MAD JANUARY 2018

PROJECT ID: 1007-11-71
WITH: 1007-11-76

COUNTY: DANE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 650

01

DESIGN DESIGNATION

			IH 39
A.A.D.T.	2020	=	56,650
A.A.D.T.	2040	=	70,300
D.H.V.	2040	=	7,450
D.D.		=	58/42
T.		=	29.1%
DESIGN SPEED		=	70 MPH
ESALS		=	45,858,600

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

ILLINOIS STATE LINE - MADISON

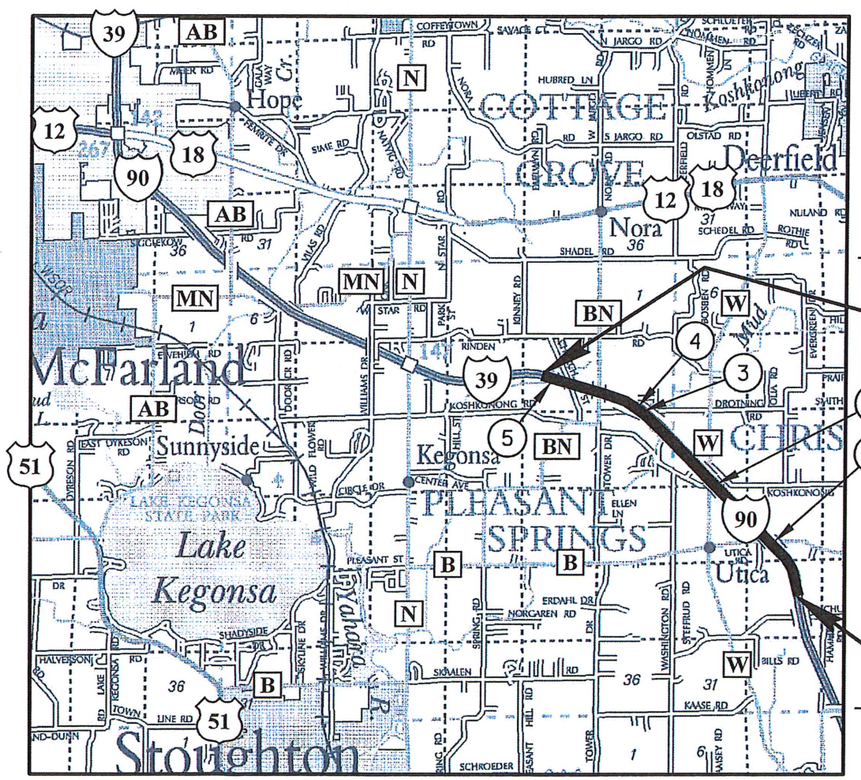
EAST CHURCH RD TO CHURCH ST - NB

IH 39

DANE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1007-11-71	WISC 2018030	1

STATE PROJECT NUMBER
1007-11-71



T-7-N

N

T-6-N

R-10-E | R-11-E

LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 4.678 MI.

1. STRUCTURE B-13-713
2. STRUCTURE B-13-715
3. STRUCTURE B-13-717
4. BOX CULVERT C-13-3083 STG 1
5. BOX CULVERT C-13-3084 STG 2

END PROJECT
STA 2195+00.00

BEGIN PROJECT
STA 1948+00.00
Y = 440,119.542
X = 897,743.839

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. VERTICAL DATUM BASED ON USGS (NAVD 88)

ORIGINAL PLANS PREPARED BY

SEH
Building a Better World for All of Us®
Short Elliott Hendrickson Inc.
6808 Odana Road, Suite 200
Madison, WI 53719-1137
608.620.6199 main | 888.908.8166 fax
800.732.4362 toll free | www.sehinc.com

WISCONSIN
DEAN V. STODOLA
36006-006
MCFARLAND
WI
PROFESSIONAL ENGINEER

7-17-17 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	DANE PARTNERS
Designer	DANE PARTNERS
Project Manager	CRAIG PRINGLE
Regional Examiner	JIM BUSCHKOPF
Regional Supervisor	KATRINA FELTES

APPROVED FOR THE DEPARTMENT
DATE: 7.19.17 Katrina Feltes (Signature)

E

ORDER OF SHEETS - SECTION 2

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
GRADING DETAILS
REMOVAL PLANS
PLAN DETAILS
EROSION CONTROL PLAN
STORM SEWER DETAILS
ITS PLANS
PERMANENT SIGNING & PAVEMENT MARKING
TRAFFIC CONTROL
DETOUR PLAN
ALIGNMENT DETAILS

DNR AREA LIAISON

ERIC HEGGELUND
DEPARTMENT OF NATURAL RESOURCES
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711-5397
PHONE: (608)275-3301
EMAIL: ERIC.HEGGELUND@WISCONSIN.GOV

WISDOT DESIGN

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111 INTERSTATE BLVD
MADISON, WI 53534
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EMAIL: CRAIG.PRINGLE@DOT.WI.GOV

WISDOT CONSTRUCTION

MARK SPONEM
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MADISON, WI 53534
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CONSULTANT DESIGN

GREG WEYANDT
SEH INC.
10 NORTH BRIDGE STREET
CHIPPEWA FALLS, WI 54729-2550
PHONE: (715) 720-6266
EMAIL: GWEYANDT@SEHINC.COM

UTILITY CONTACT LIST

TRANSCANADA A/K/A ANR PIPELINE - GAS/PETROLEUM
6827 CONSOLIDATED SCHOOL ROAD
JANESVILLE, WI 53545
DICK MELLOM
OFFICE: (608) 373-6923
CELL: (331) 256-0815
DICK_MELLOM@TRANSCANADA.COM

ALLIANT ENERGY (WPL) - ELECTRICITY
SUITE 1000
4902 N BILTMORE LANE
MADISON, WI 53718
MIKE BROLIN
(608) 458-4871
MICHAELBROLIN@ALLIANTENERGY.COM

ALLIANT ENERGY(WPL) -GAS/PETROLEUM
SUITE 1000
4902 N BILTMORE LANE
MADISON, WI 53718
MIKE BROLIN
(608) 458-4871
MICHAELBROLIN@ALLIANTENERGY.CO

ATC MANAGEMENT INC. - ELECTRICITY
2489 RINDEN ROAD
COTTAGE GROVE, WI 53527
DOUG VOSBERG
OFFICE: (608) 877-7650
DVOSBERG@ATCLLC.COM

WISCONSIN DEPARTMENT OF TRANSPORTATION - COMMUNICATION LINE
SUITE. 300
433 W. ST. PAUL AVE.
MILWAUKEE, WI 53203-3007
JEFF MADSON
(414) 225-3723
JEFFREY.MADSON@DOT.WI.GOV

AT&T WISCONSIN - COMMUNICATION LINE
316 W WASHINGTON AVE
MADISON, WI 53703
CAROL ANASON
(608) 252-2385
CA2624@ATT.COM

CHARTER COMMUNICATIONS - COMMUNICATION LINE
2701 DANIELS ST
MADISON, WI 53718
GLEN JAKUSZ
(608) 209-3202
GLEN.JAKUSZ@CHARTER.COM

FRONTIER COMMUNICATIONS - COMMUNICATION LINE
118 DIVISION ST
PLYMOUTH, WI 53073
RUSSEL RYAN
OFFICE: (920) 583-3275
CELL: (920) 737-9662
RUSSELL.W.RYAN@FTR.COM

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

DIGGERS HOTLINE

Dial 811 or (800)242-8511

www.DiggersHotline.com

NOTE: WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

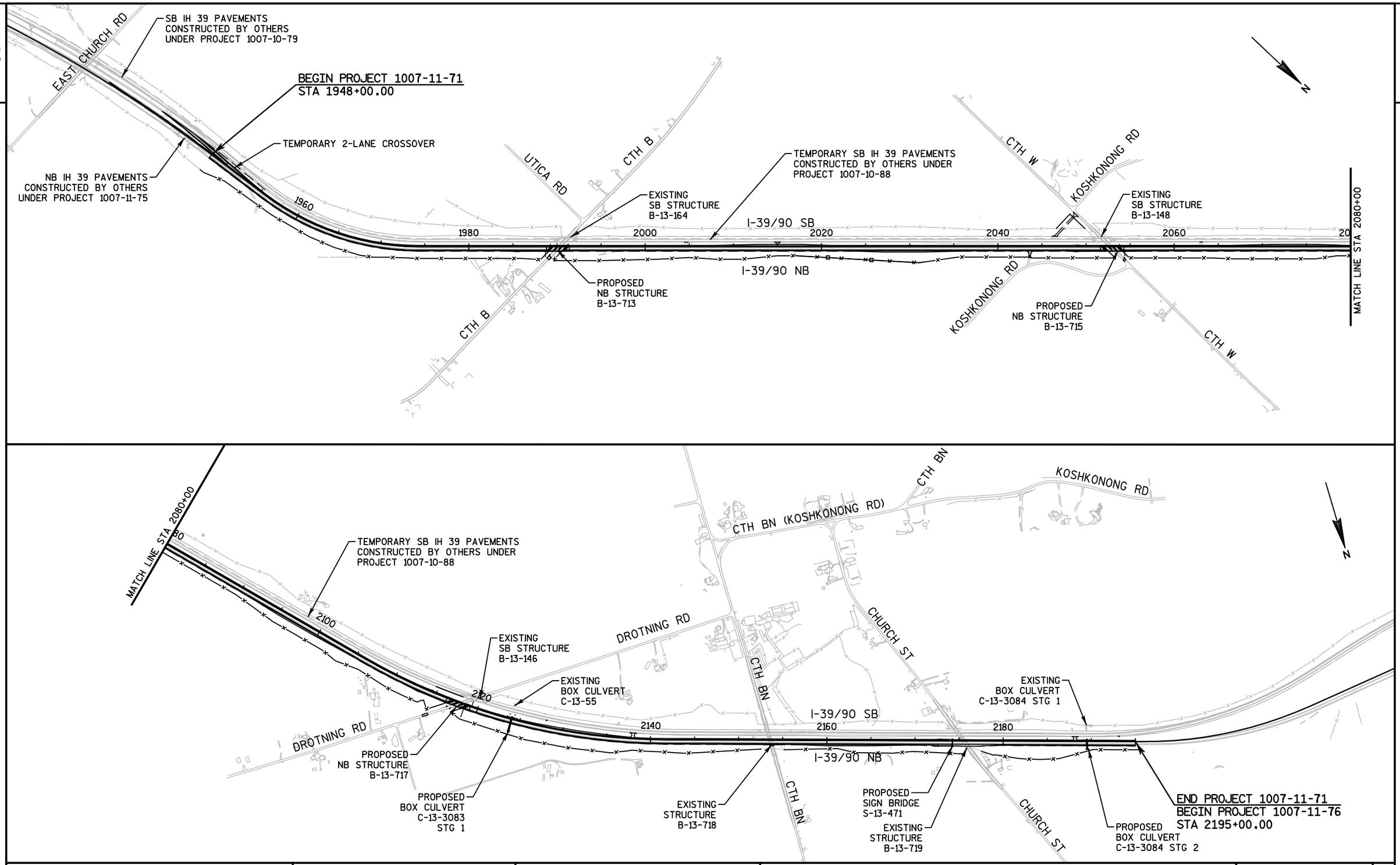
STANDARD ABBREVIATIONS

ABUT	ABUTMENT
AC	ACRE
AGG	AGGREGATE
AECPRC	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
AECPCS	APRON ENDWALL FOR CULVERT PIPE CORRUGATED STEEL
ASPH	ASPHALTIC
AVG	AVERAGE
ADT	AVERAGE DAILY TRAFFIC
BF	BACK FACE
BM	BENCH MARK
BR	BRIDGE
CE	COMMERCIAL ENTRANCE
C/L OR ℄	CENTER LINE
Δ	CENTRAL ANGLE OR DELTA
CONC	CONCRETE
COB	CENTER OF BARRIER
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CR	CREEK
CY	CUBIC YARD
C&G	CURB AND GUTTER
D	DEGREE OF CURVE
DHV	DESIGN HOUR VOLUME
DISCH	DISCHARGE
DG	DITCH GRADE
DWY	DRIVEWAY
X	EAST GRID COORDINATE
EAT	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
EOR	END POINT OF RADIUS
EL	ELEVATION
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EXIST	EXISTING
FC	FACE OF CURB
FF	FACE TO FACE
FERT	FERTILIZE
FE	FIELD ENTRANCE
FL	FLOW LINE
FO	FIBER OPTIC
CWT	HUNDREDWEIGHT
HYD	HYDRANT
ID	INSIDE DIAMETER
INV	INVERT
IP	IRON PIPE ON PIN
LHF	LEFT-HAND FORWARD
L	LENGTH OF CURVE
LF	LINEAR FOOT
LC	LONG CHORD OF CURVE
LS	LUMP SUM
MH	MANHOLE
MOR	MID POINT OF RADIUS
NC	NORMAL CROWN
NO	NUMBER
OBLIT	OBLITERATE
PAVT	PAVEMENT
PE	PRIVATE ENTRANCE
PVRC	POINT OF VERTICAL REVERSE CURVE
QOR	QUARTER POINT OF RADIUS
R	RADIUS
REQ'D	REQUIRED
RES	RESIDENCE OR RESIDENTIAL
RHF	RIGHT-HAND FORWARD
R/W	RIGHT-OF-WAY
R	RIVER
RDWY	ROADWAY
R/L OR ℞	REFERENCE LINE
SALV	SALVAGED
SAN	SANITARY SEWER
SF	SQUARE FEET
SY	SQUARE YARD
SDD	STANDARD DETAIL DRAWINGS
STA	STATION
SS	STORM SEWER
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SE	SUPERELEVATION RATE
TC	TOP OF CURB
T OR TN	TOWN
T	TRUCKS (PERCENT OF)
TYP	TYPICAL
VAR	VARIABLE
VC	VERTICAL CURVE
Y	NORTH GRID COORDINATE
YD	YARD

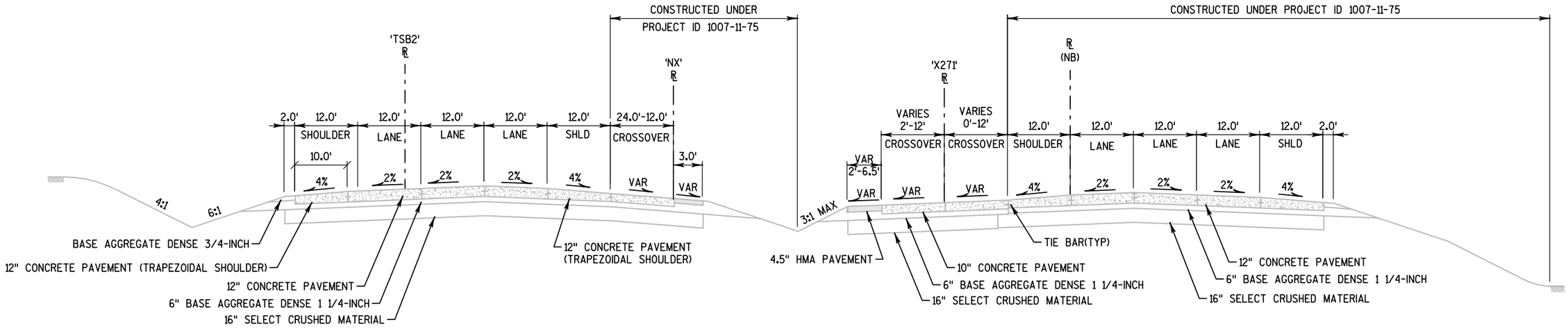
GENERAL NOTES

1. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.
4. PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS WITH THE ENGINEER.
5. INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
6. WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.
7. BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP.
8. CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH.
9. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
10. REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.
11. THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
12. ASPHALTIC AND CONCRETE SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
13. DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND MULCHED.
14. FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.
15. THE FOLLOWING CONVERSION FACTORS ARE USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE:
    - 3/4-INCH = 2.1 TONS/CY
    - 1 1/4-INCH = 2.0 TON/CY
16. A CONVERSION FACTOR OF 1.9 TON/CY IS USED TO ESTIMATE QUANTITIES FOR SELECT CRUSHED MATERIAL.
17. A CONVERSION FACTOR OF 110 LBS/IN/SY IS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.
18. ALL TYPES OF ASPHALTIC PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

ITEM CODE	TOTAL PAVEMENT DEPTH (INCH)	LAYER DEPTH (INCH)	HMA PAVEMENT ITEM
AP07	4.0	SINGLE: 4.0	4 LT 58-28 S
AP13	3.5	UPPER: 1.75	4 LT 58-28 S
		LOWER: 1.75	4 LT 58-28 S

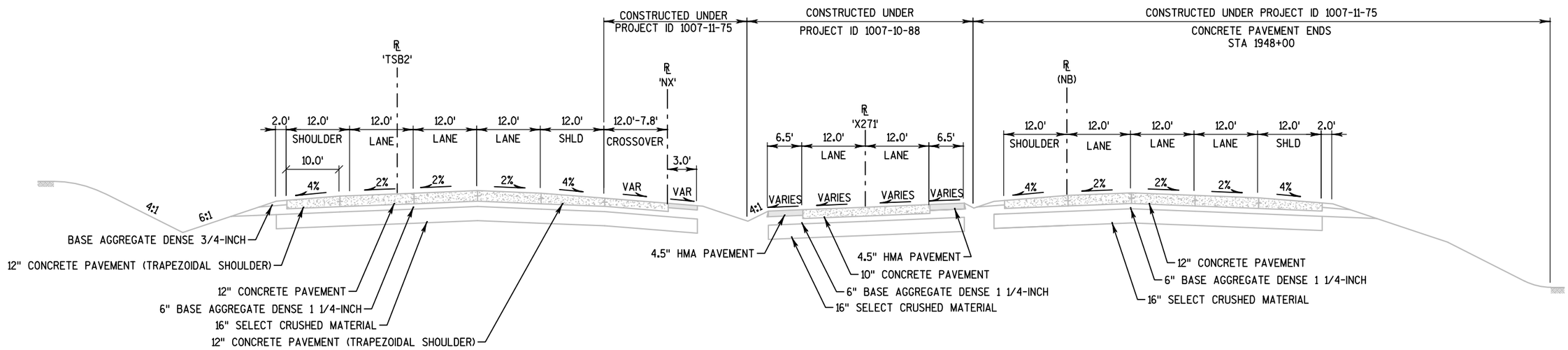


PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E



TYPICAL EXISTING SECTION

STA 743+91'TSB2' TO 747+77'TSB2'
STA 1942+56 TO 1946+40



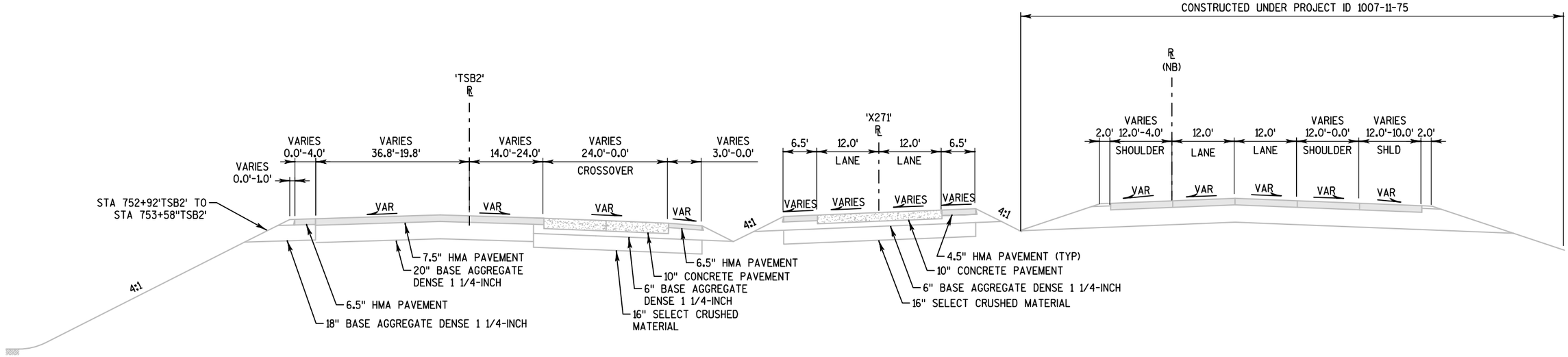
TYPICAL EXISTING SECTION

STA 747+77'TSB2' TO 74.9+38'TSB2'
STA 1946+40 TO 1948+00

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS - EXISTING	PAGE 01 OF 10	SHEET 4	E

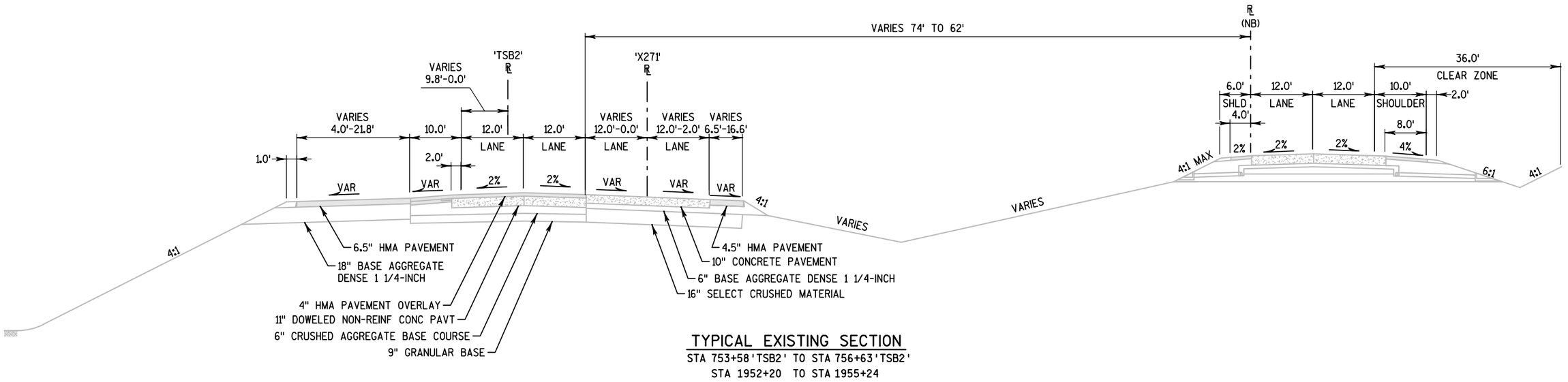
FILE NAME : 020300_TS (TYPICAL EXISTING SECTIONS).DWG | PLOT DATE : 10/9/2017 5:24 PM | PLOT BY : SEH | LAYOUT NAME : 01 | PLOT SCALE : 1 IN:20 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS



TYPICAL EXISTING SECTION

STA 749+13'TSB2' TO 753+58'TSB2'
STA 1948+00 TO 1952+00



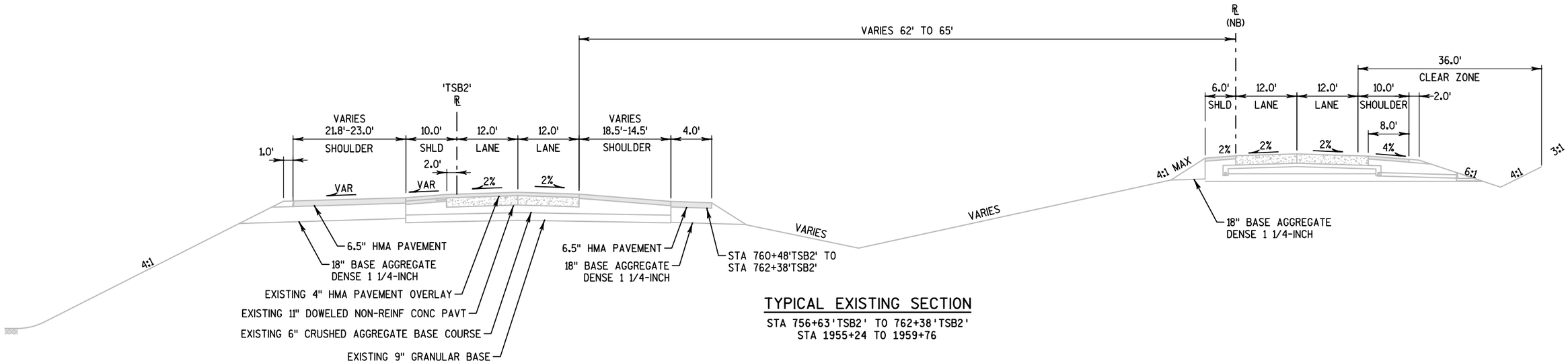
TYPICAL EXISTING SECTION

STA 753+58'TSB2' TO STA 756+63'TSB2'
STA 1952+20 TO STA 1955+24

PROJECT NO:1007-11-71	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS - EXISTING	PAGE 02 OF 10	SHEET 5	E

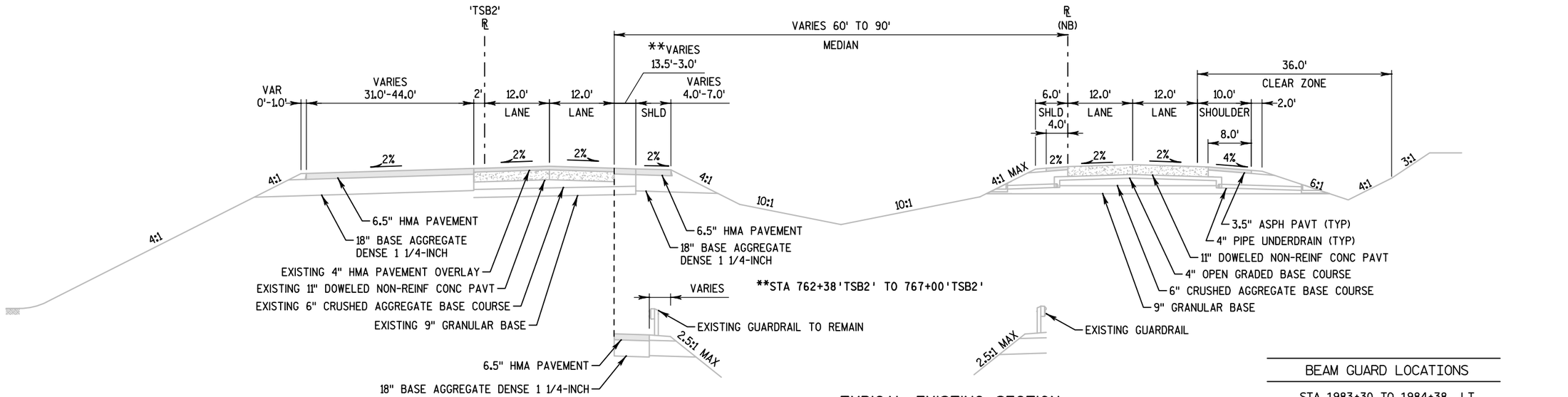
FILE NAME : 020300_TS (TYPICAL EXISTING SECTIONS).DWG | PLOT DATE : 10/9/2017 5:24 PM | PLOT BY : SEH | LAYOUT NAME : 02 | PLOT SCALE : 1 IN:20 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02



TYPICAL EXISTING SECTION

STA 756+63'TSB2' TO 762+38'TSB2'
STA 1955+24 TO 1959+76



TYPICAL EXISTING SECTION

STA 762+38'TSB2' TO 785+18'TSB2'
STA 1961+18 TO 1984+38

BEAM GUARD LOCATIONS

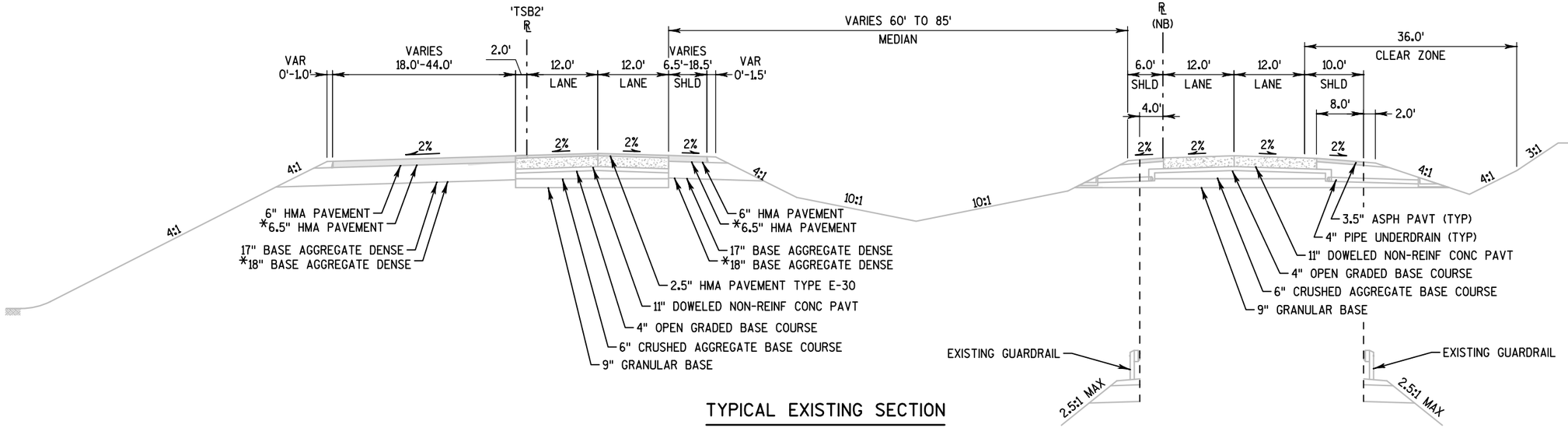
STA 1983+30 TO 1984+38, LT

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS - EXISTING	PAGE 03 OF 10	SHEET 6	E

FILE NAME : 020300_TS (TYPICAL EXISTING SECTIONS).DWG | PLOT DATE : 10/9/2017 5:24 PM | PLOT BY : SEH | LAYOUT NAME : 03 | PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

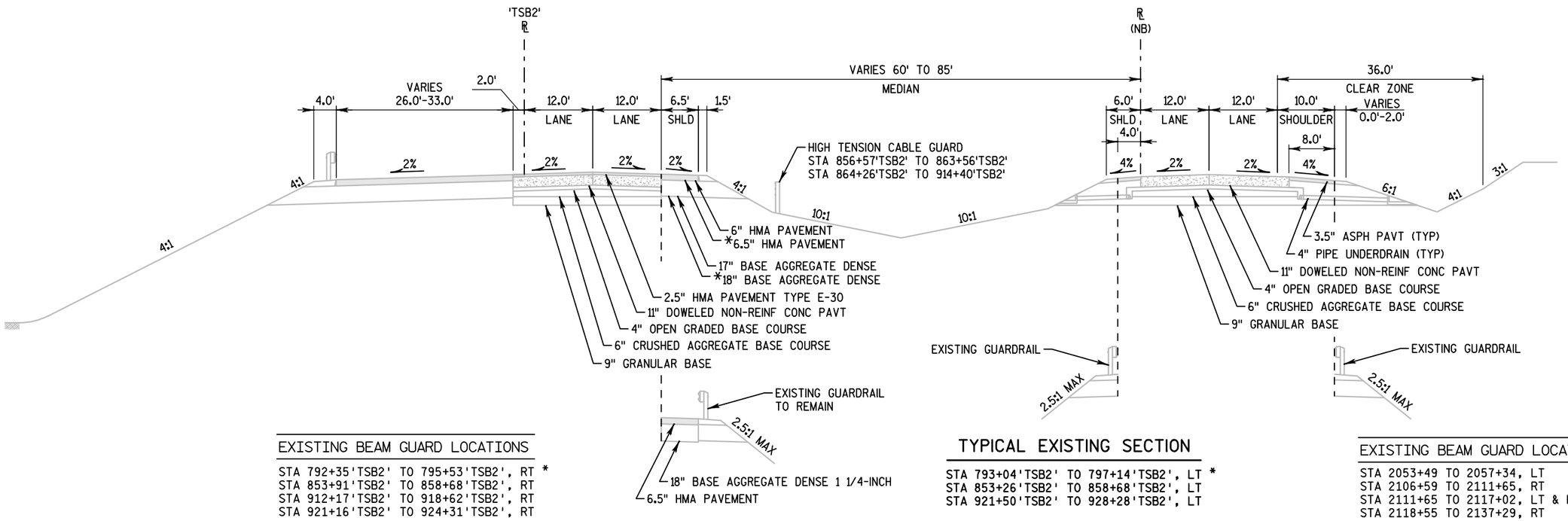


TYPICAL EXISTING SECTION

STA 785+18'TSB2' TO 824+78'TSB2'*
STA 824+78'TSB2' TO 991+45'TSB2'
STA 1984+38 TO 2024+00*
STA 2024+00 TO 2191+18

EXISTING BEAM GUARD LOCATIONS

STA 1984+41 TO 1989+58, LT & RT
STA 1990+71 TO 1997+14, RT
STA 2048+32 TO 2049+35, LT
STA 2049+35 TO 2052+35, LT & RT



EXISTING BEAM GUARD LOCATIONS

STA 792+35'TSB2' TO 795+53'TSB2', RT *
STA 853+91'TSB2' TO 858+68'TSB2', RT
STA 912+17'TSB2' TO 918+62'TSB2', RT
STA 921+16'TSB2' TO 924+31'TSB2', RT

TYPICAL EXISTING SECTION

STA 793+04'TSB2' TO 797+14'TSB2', LT *
STA 853+26'TSB2' TO 858+68'TSB2', LT
STA 921+50'TSB2' TO 928+28'TSB2', LT

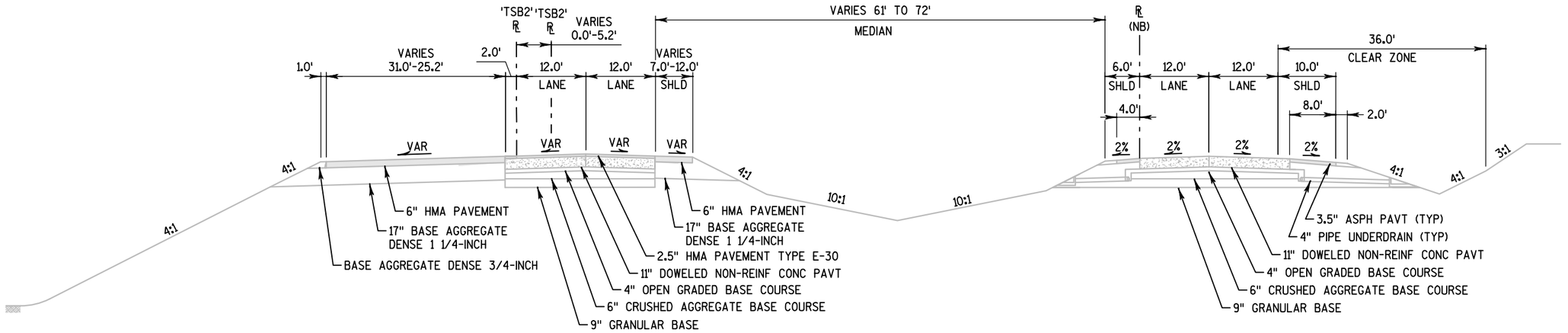
EXISTING BEAM GUARD LOCATIONS

STA 2053+49 TO 2057+34, LT
STA 2106+59 TO 2111+65, RT
STA 2111+65 TO 2117+02, LT & RT
STA 2118+55 TO 2137+29, RT

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS - EXISTING	PAGE 04 OF 10	SHEET 7	E

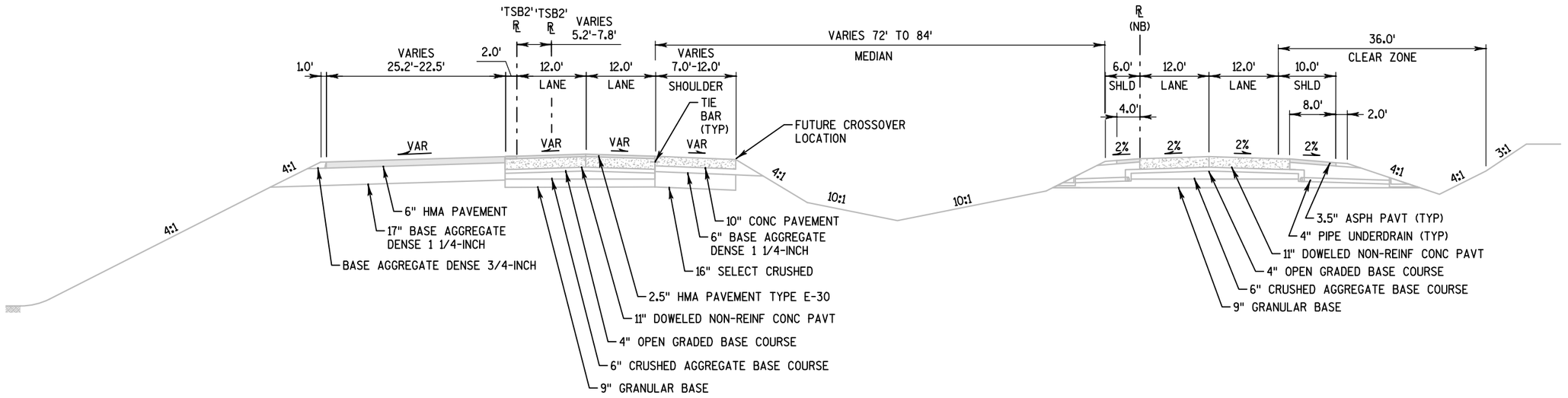
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007171\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 020300_TS (TYPICAL EXISTING SECTIONS).DWG
PLOT DATE : 10/9/2017 5:24 PM
PLOT BY : SEH
LAYOUT NAME : 04
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



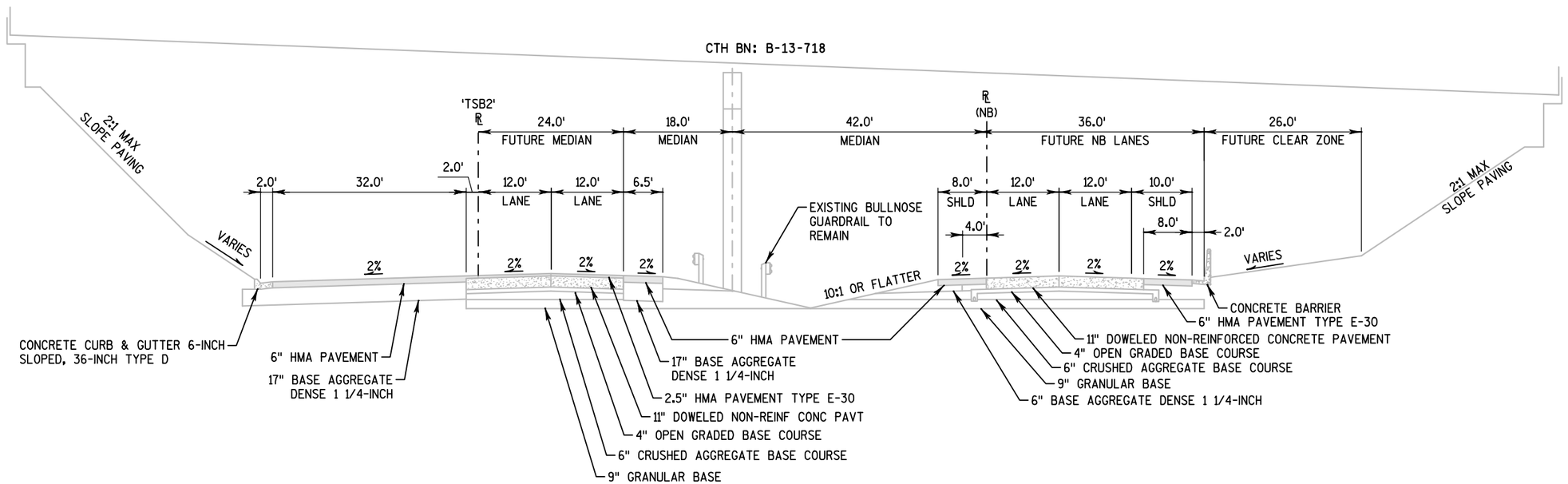
TYPICAL EXISTING SECTION

STA 994+45'TSB2' TO 993+77'TSB2'
STA 2191+18 TO 2193+53



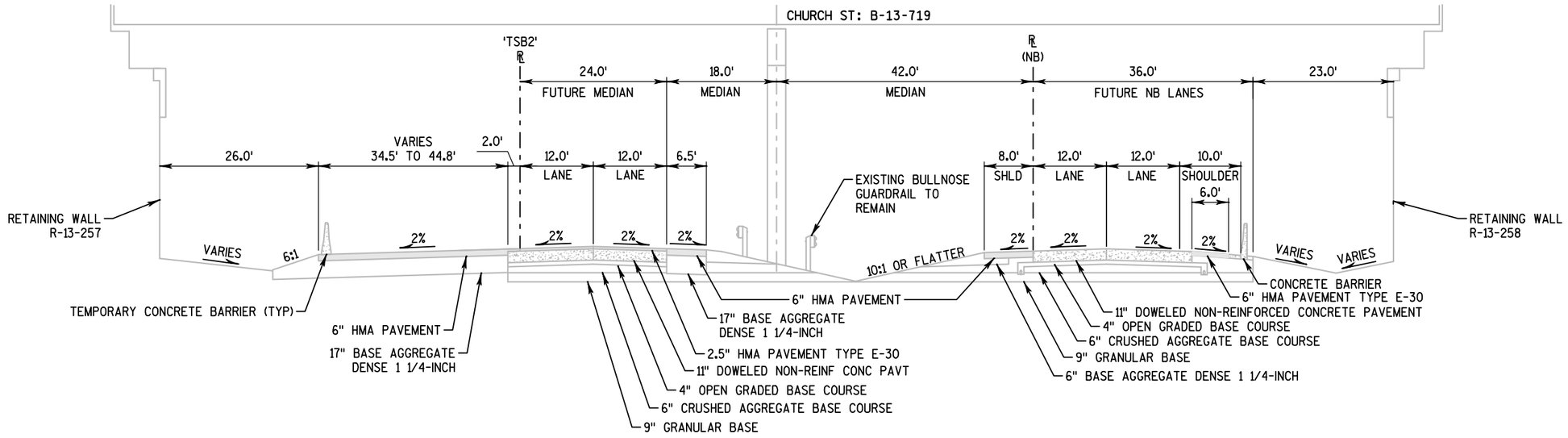
TYPICAL EXISTING SECTION

STA 993+77'TSB2' TO 995+18'TSB2'
STA 2193+53 TO 2194+94



TYPICAL EXISTING SECTION - IH 39

STA 2152+87 TO 2153+51



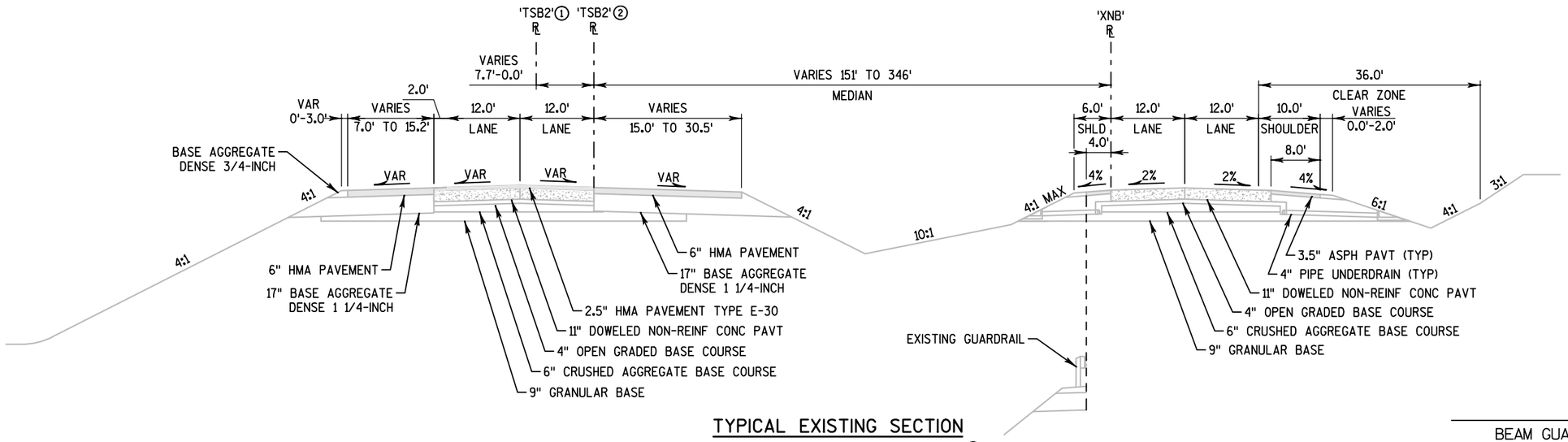
TYPICAL EXISTING SECTION - IH 39

STA 2174+63 TO 2179+02

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS - EXISTING	PAGE 06 OF 10	SHEET 9	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007111

2

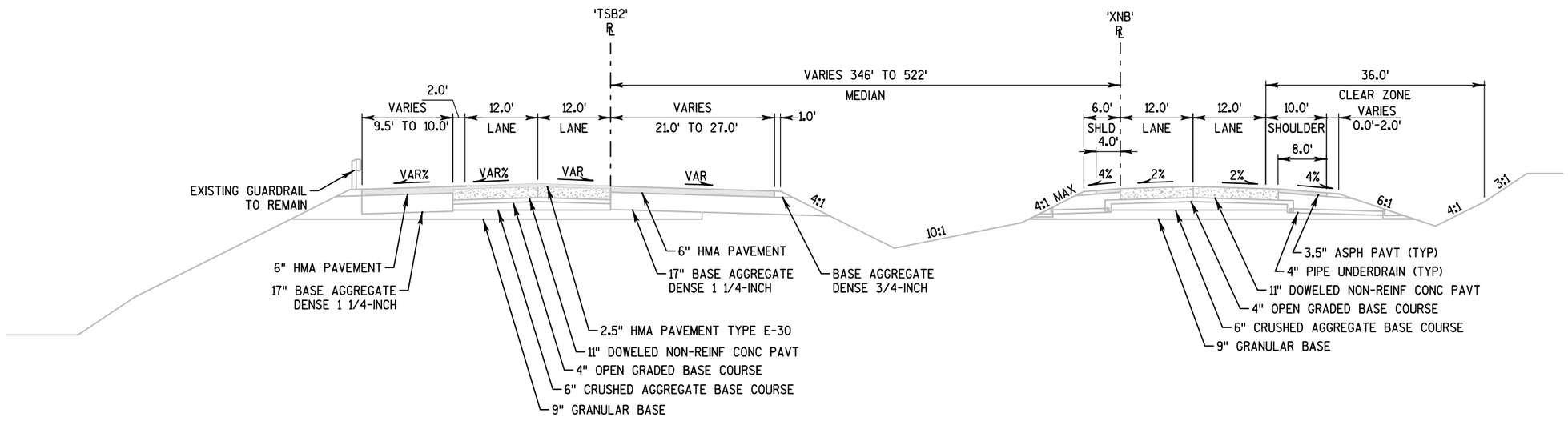


TYPICAL EXISTING SECTION

STA 999+99'TSB2' TO 1014+30'TSB2'①
STA 1054+22'TSB2' TO 1056+81'TSB2'②

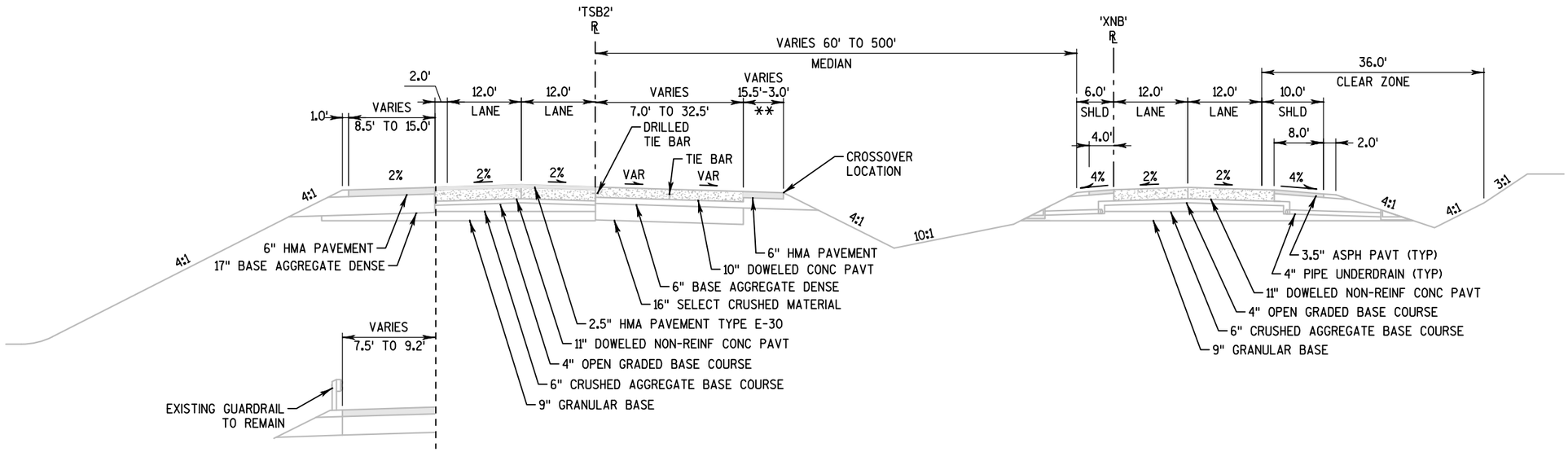
BEAM GUARD LOCATIONS

STA 812+24'XNB' TO 819+12'XNB', LT



TYPICAL EXISTING SECTION

STA 1014+30'TSB2' TO 1038+75'TSB2'



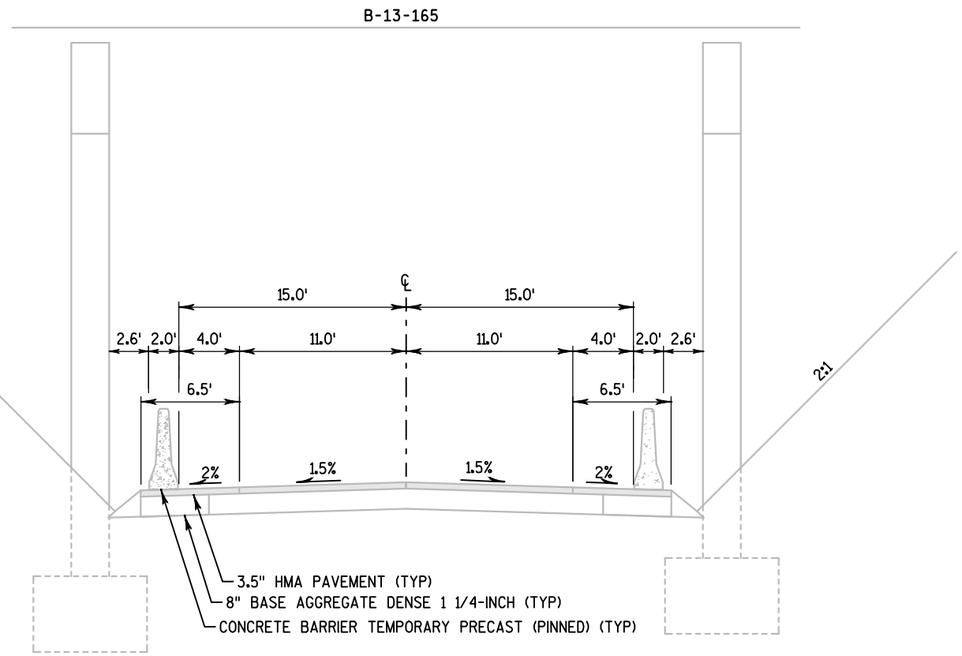
STA 1038+75'TSB2' TO 1054+14'TSB2', LT

TYPICAL EXISTING SECTION

STA 1038+75'TSB2' TO 1054+22'TSB2'
**STA 1038+75'TSB2' TO 1044+53'TSB2'
ONLY

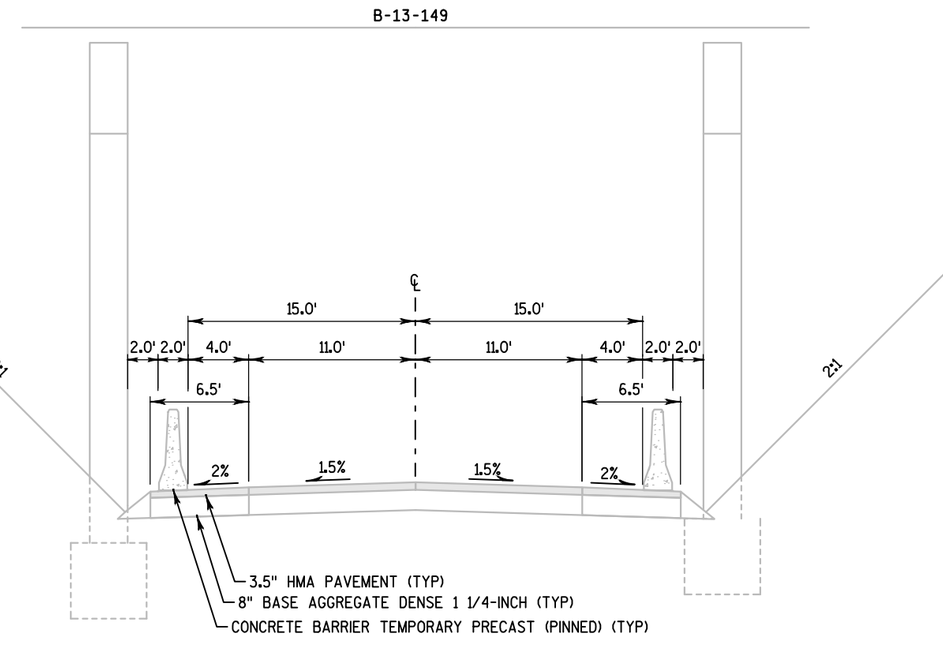
2

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS



TYPICAL EXISTING SECTION

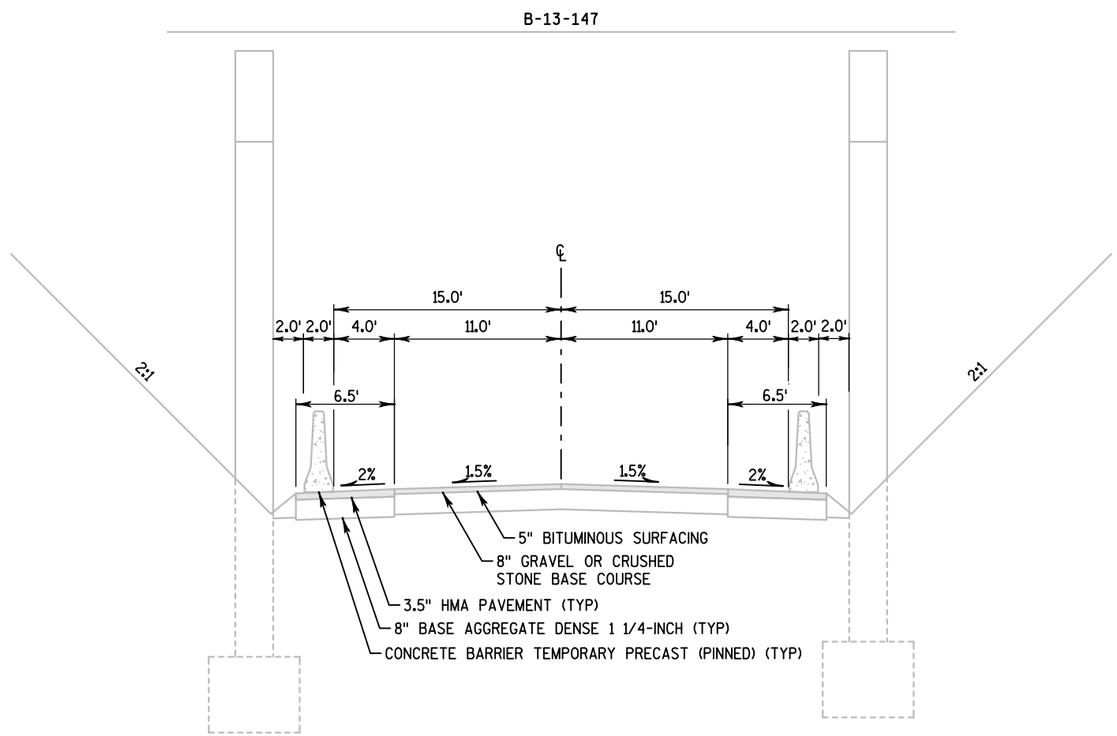
CTH B
47+85'B' TO 53+14'B'



TYPICAL EXISTING SECTION

CTH W
47+50'W' TO 53+80'W'

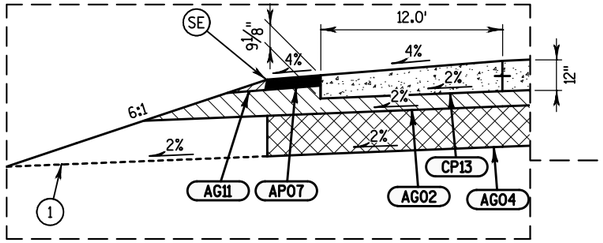
2



TYPICAL EXISTING SECTION

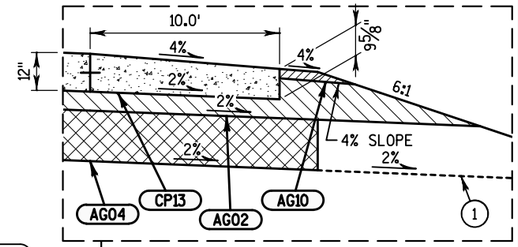
DROTNING ROAD
48+40'DR' TO 54+61'DR'

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS



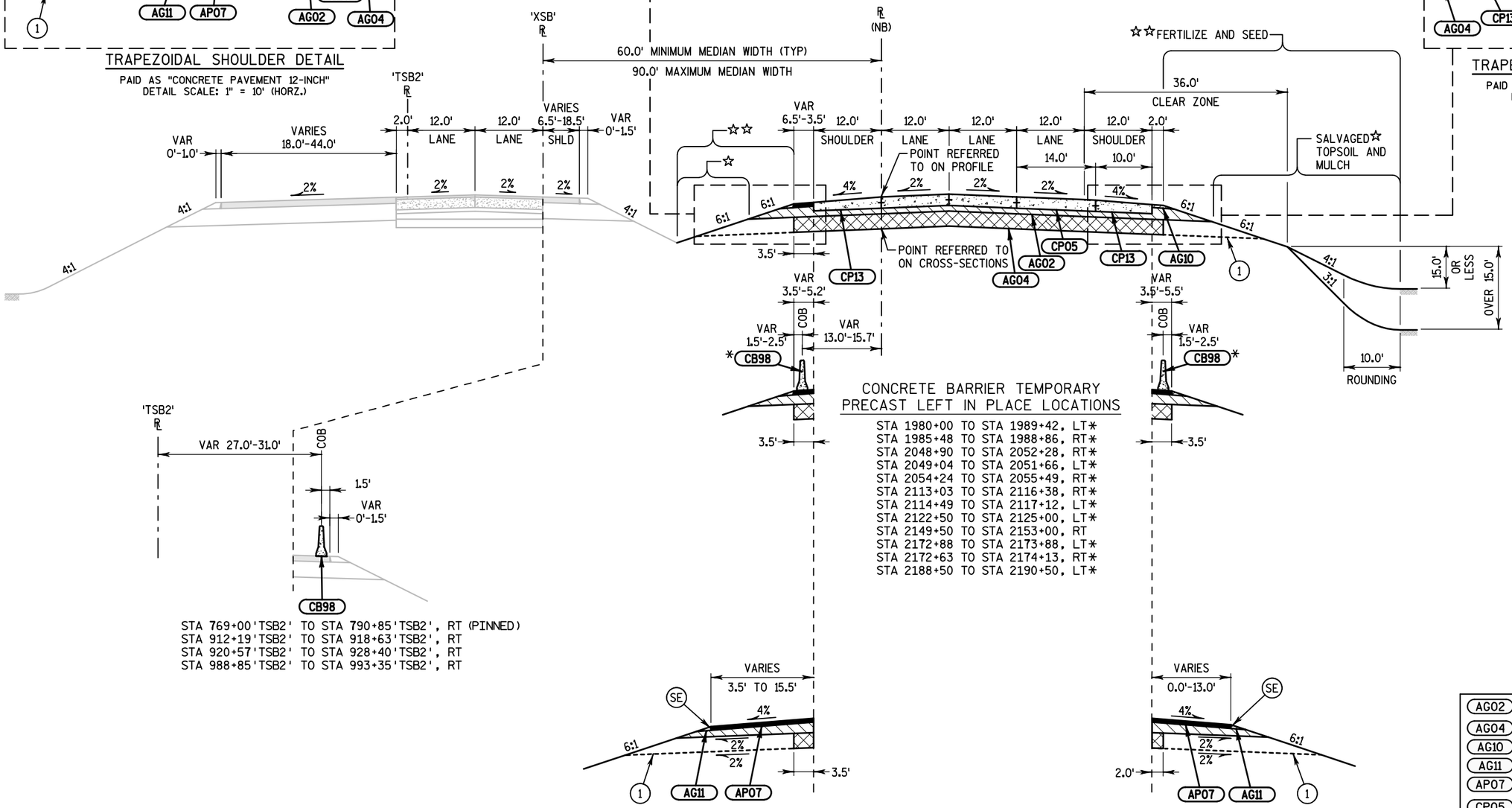
TRAPEZOIDAL SHOULDER DETAIL

PAID AS "CONCRETE PAVEMENT 12-INCH"
DETAIL SCALE: 1" = 10' (HORZ.)



TRAPEZOIDAL SHOULDER DETAIL

PAID AS "CONCRETE PAVEMENT 12-INCH"
DETAIL SCALE: 1" = 8' (HORZ.)



CONCRETE BARRIER TEMPORARY
PRECAST LEFT IN PLACE LOCATIONS

STA 1980+00 TO STA 1989+42, LT*
STA 1985+48 TO STA 1988+86, RT*
STA 2048+90 TO STA 2052+28, RT*
STA 2049+04 TO STA 2051+66, LT*
STA 2054+24 TO STA 2055+49, RT*
STA 2113+03 TO STA 2116+38, RT*
STA 2114+49 TO STA 2117+12, LT*
STA 2122+50 TO STA 2125+00, LT*
STA 2149+50 TO STA 2153+00, RT
STA 2172+88 TO STA 2173+88, LT*
STA 2172+63 TO STA 2174+13, RT*
STA 2188+50 TO STA 2190+50, LT*

STA 769+00'TSB2' TO STA 790+85'TSB2', RT (PINNED)
STA 912+19'TSB2' TO STA 918+63'TSB2', RT
STA 920+57'TSB2' TO STA 928+40'TSB2', RT
STA 988+85'TSB2' TO STA 993+35'TSB2', RT

TYPICAL EMERGENCY PULLOUT SECTION

STA 2007+75 TO STA 2021+25, LT
STA 2066+25 TO STA 2079+75, LT
STA 2124+25 TO STA 2137+73, LT

TYPICAL EMERGENCY PULLOUT SECTION

STA 2022+94 TO STA 2037+19, RT
STA 2090+94 TO STA 2104+78, RT
STA 2155+94 TO STA 2117+19, RT

TYPICAL FINISHED SECTION

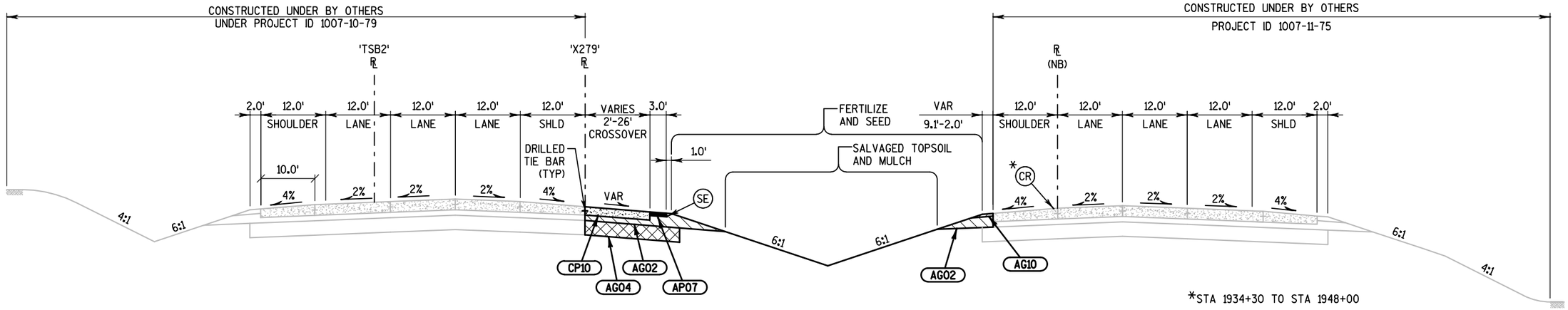
STA 1953+82 TO STA 2195+00

KEYNOTE LEGEND

AG02	6" BASE AGGREGATE DENSE 1 1/4-INCH
AG04	16" SELECT CRUSHED MATERIAL
AG10	3" BASE AGGREGATE DENSE 3/4-INCH
AG11	4" BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT SINGLE: 4.0" 4 LT 58-28 S
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID AS CONCRETE PAVEMENT 12-INCH)
MGS	MGS GUARDRAIL COMPONENTS
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
(1)	RELIEF TRENCH (SEE CONSTRUCTION DETAIL - INCIDENTAL)
(SE)	SAFETY EDGE REQ'D (INCIDENTAL)

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS - FINISHED	PAGE 01 OF 09	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I171\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 020300_TS (TYPICAL FINISHED SECTIONS).DWG
PLOT DATE : 10/10/2017 10:58 AM
PLOT BY : SEH INC
LAYOUT NAME : 01
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

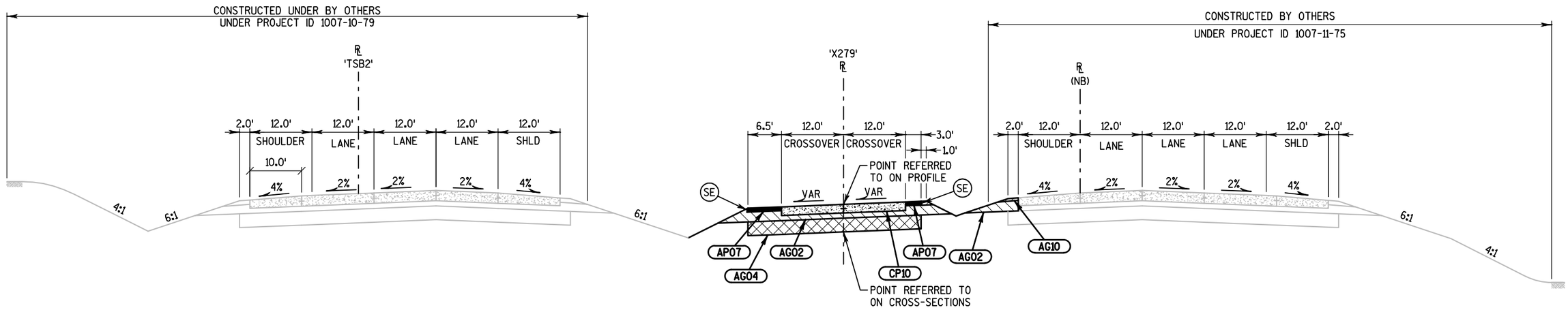


TYPICAL FINISHED SECTION

STA 1933+81 TO STA 1945+36 (NB MEDIAN SHOULDER)
STA 1941+33'X279' TO STA 1945+60'X279'

KEYNOTE LEGEND

AG02	6" BASE AGGREGATE DENSE 1 1/4-INCH
AG04	16" SELECT CRUSHED MATERIAL
AG10	3" BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT SINGLE: 4.0" 4 LT 58-28 S
CP10	CONCRETE PAVEMENT 10-INCH
SE	SAFETY EDGE REQ'D (INCIDENTAL)
CR	CONCRETE SHOULDER RUMBLE STRIPS

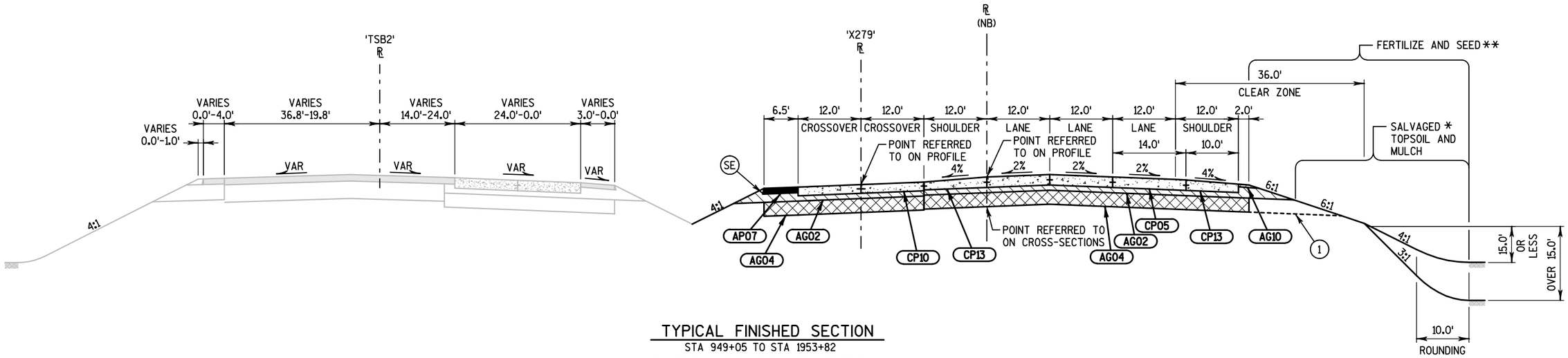


TYPICAL FINISHED SECTION

STA 1945+36 TO STA 1949+05
STA 1945+60'X279' TO STA 1949+33'X279'

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 020300_TS (TYPICAL FINISHED SECTIONS).DWG
PLOT DATE : 10/9/2017 5:25 PM PLOT BY : SEH INC LAYOUT NAME : 02
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2



TYPICAL FINISHED SECTION

STA 949+05 TO STA 1953+82
STA 1949+33'X279' TO STA 1954+09'X279'

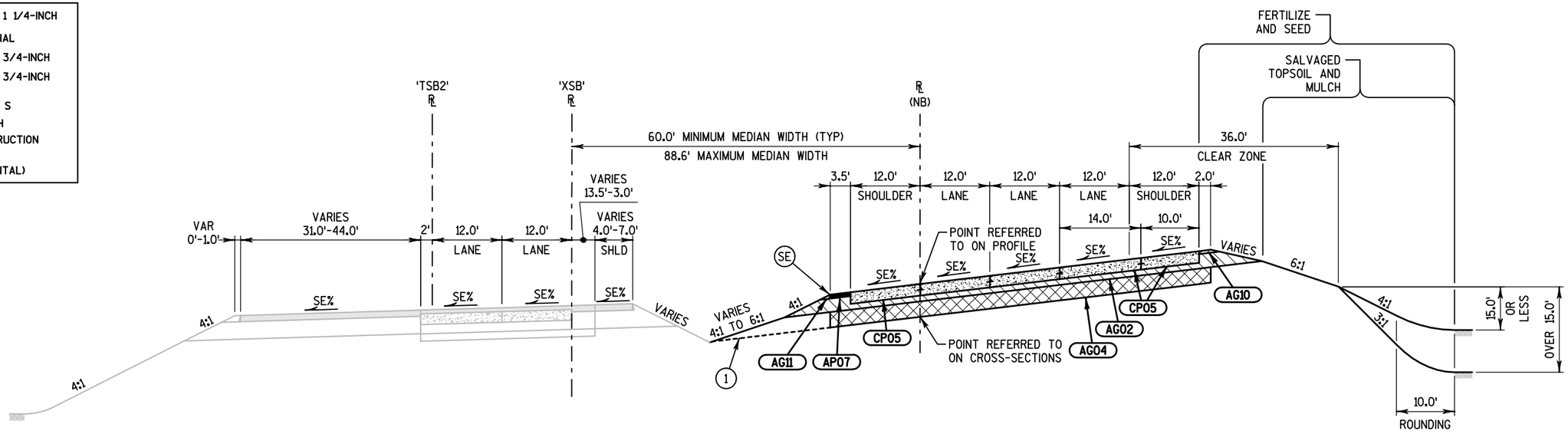
KEYNOTE LEGEND

AG02	6" BASE AGGREGATE DENSE 1 1/4-INCH
AG04	16" SELECT CRUSHED MATERIAL
AG10	3" BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT SINGLE: 4.0" 4 LT 58-28 S
CP05	CONCRETE PAVEMENT 12-INCH
CP10	CONCRETE PAVEMENT 10-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID AS CONCRETE PAVEMENT 12-INCH)
1	RELIEF TRENCH (SEE CONSTRUCTION DETAIL - INCIDENTAL)
SE	SAFETY EDGE REQ'D (INCIDENTAL)

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007101-SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 020300_TS (TYPICAL FINISHED SECTIONS).DWG
PLOT DATE : 10/9/2017 5:25 PM
PLOT BY : SEH INC
LAYOUT NAME : 03
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

KEYNOTE LEGEND

AG02	6" BASE AGGREGATE DENSE 1 1/4-INCH
AG04	16" SELECT CRUSHED MATERIAL
AG10	3" BASE AGGREGATE DENSE 3/4-INCH
AG11	4" BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT SINGLE: 4.0" 4 LT 58-28 S
CP05	CONCRETE PAVEMENT 12-INCH
1	RELIEF TRENCH (SEE CONSTRUCTION DETAIL - INCIDENTAL)
SE	SAFETY EDGE REQ'D (INCIDENTAL)



TYPICAL FINISHED SECTION

STA 1956+76 TO STA 1973+11
STA 2106+63 TO STA 2141+02

	C2	C3	C4
PI STA =	1965+27.98	2124+24.27	2205+72.27
Y =	441,837.1950	453,423.5983	455,795.5698
X =	897,555.1816	886,571.1929	878,689.7161
Δ =	37°12'12"	29°46'46"	24°18'50"
D =	1°58'33"	0°50'00"	1°14'44"
T =	976.05'	1827.98'	990.93'
L =	1,883.02'	3,573.28'	1,952.04'
R =	2,900.00'	6,875.00'	4,600.00'
PC STA =	1955+51.93	2105+96.29	2195+81.33
PT STA =	1974+34.96	2141+69.57	2215+33.37

IH 39 NB PROPOSED RL

SUPERELEVATION TRANSITION EVENT POINTS		RATE			
		LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
LOCATION	STATION	LEFT SHOULDER	LEFT LANE	RIGHT LANES	RIGHT SHOULDER
CURVE 2					
END NORMAL SHOULDER	1952+11.93'	-4.00%	-2.00%	-2.00%	-4.00%
END NORMAL CROWN	1952+11.93'	-4.00%	-2.00%	-2.00%	-4.00%
LEVEL CROWN	1953+31.93'	-4.00%	-2.00%	0.00%	0.00%
REVERSE CROWN	1954+51.93'	-4.00%	-2.00%	2.00%	2.00%
LOW SHOULDER MATCH	1955+71.93'	-4.00%	-4.00%	4.00%	4.00%
BEGIN FULL SUPER	1956+61.93'	-5.50%	-5.50%	5.50%	5.50%
END FULL SUPER	1973+24.96'	-5.50%	-5.50%	5.50%	5.50%
LOW SHOULDER MATCH	1974+14.96'	-4.00%	-4.00%	4.00%	4.00%
REVERSE CROWN	1975+34.96'	-4.00%	-2.00%	2.00%	2.00%
LEVEL CROWN	1976+54.96'	-4.00%	-2.00%	0.00%	0.00%
BEGIN NORMAL CROWN	1977+74.96'	-4.00%	-2.00%	-2.00%	-4.00%
BEGIN NORMAL SHOULDER	1977+74.96'	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 3					
END NORMAL SHOULDER	2103+60.29'	-4.00%	-2.00%	-2.00%	-4.00%
END NORMAL CROWN	2103+60.29'	-4.00%	-2.00%	-2.00%	-4.00%
LEVEL CROWN	2104+80.29'	-4.00%	-2.00%	0.00%	0.00%
REVERSE CROWN	2106+00.29'	-4.00%	-2.00%	2.00%	2.00%
BEGIN FULL SUPER	2106+54.29'	-4.00%	-2.90%	2.90%	2.90%
END FULL SUPER	2141+11.57'	-4.00%	-2.90%	2.90%	2.90%
REVERSE CROWN	2141+65.57'	-4.00%	-2.00%	2.00%	2.00%
LEVEL CROWN	2142+85.57'	-4.00%	-2.00%	0.00%	0.00%
BEGIN NORMAL CROWN	2144+05.57'	-4.00%	-2.00%	-2.00%	-4.00%
BEGIN NORMAL SHOULDER	2144+05.57'	-4.00%	-2.00%	-2.00%	-4.00%

IH 39 NB PROPOSED RL

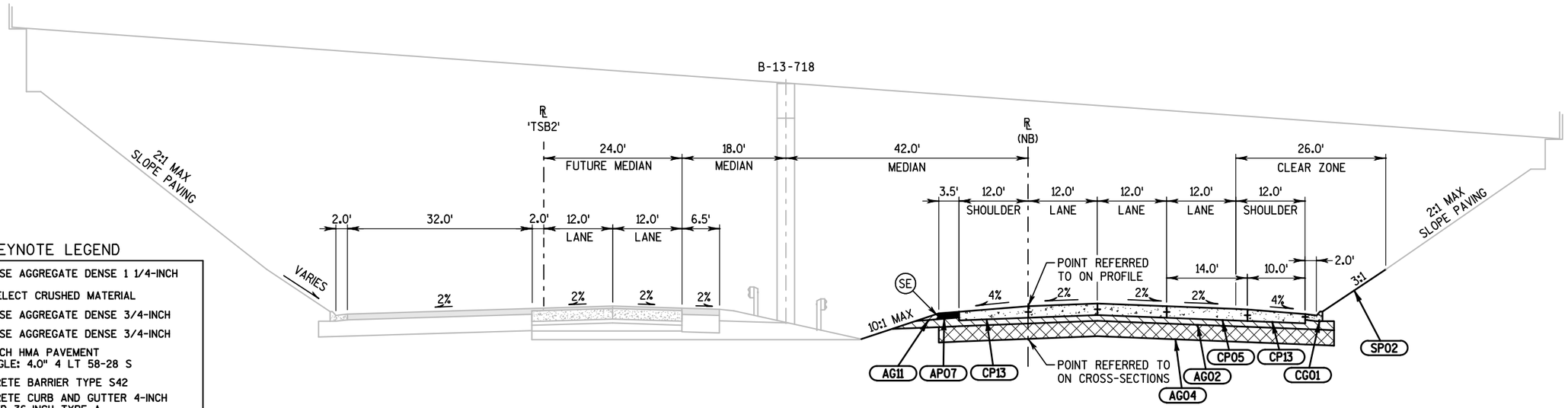
SUPERELEVATION TRANSITION EVENT POINTS		RATE			
		LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
LOCATION	STATION	LEFT SHOULDER	LEFT LANE	RIGHT LANES	RIGHT SHOULDER
CURVE 4					
END NORMAL SHOULDER	2193+01.33'	-4.00%	-2.00%	-2.00%	-4.00%
END NORMAL CROWN	2193+01.33'	-4.00%	-2.00%	-2.00%	-4.00%
LEVEL CROWN	2194+21.33'	-4.00%	-2.00%	0.00%	0.00%
REVERSE CROWN	2195+41.33'	-4.00%	-2.00%	2.00%	2.00%
BEGIN FULL SUPER	2196+61.33'	-4.00%	-4.00%	4.00%	4.00%
END FULL SUPER	2214+53.37'	-4.00%	-4.00%	4.00%	4.00%
REVERSE CROWN	2215+73.37'	-4.00%	-2.00%	2.00%	2.00%
LEVEL CROWN	2216+93.37'	-4.00%	-2.00%	0.00%	0.00%
BEGIN NORMAL CROWN	2218+13.37'	-4.00%	-2.00%	-2.00%	-4.00%
BEGIN NORMAL SHOULDER	2218+13.37'	-4.00%	-2.00%	-2.00%	-4.00%

IH 39 NB PROPOSED RL

SUPERELEVATION TRANSITION EVENT POINTS		RATE			
		LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
LOCATION	STATION	LEFT SHOULDER	LEFT LANE	RIGHT LANES	RIGHT SHOULDER
BRIDGE SHLDR TRANS -B	1987+60.00'	-4.00%	-2.00%	-2.00%	-4.00%
BRIDGE SHLDR TRANS -B	1988+80.00'	-2.00%	-2.00%	-2.00%	-2.00%
BRIDGE SHLDR TRANS -B	1991+40.00'	-2.00%	-2.00%	-2.00%	-2.00%
BRIDGE SHLDR TRANS -B	1992+60.00'	-4.00%	-2.00%	-2.00%	-4.00%
BRIDGE SHLDR TRANS -W	2050+45.00'	-4.00%	-2.00%	-2.00%	-4.00%
BRIDGE SHLDR TRANS -W	2051+65.00'	-2.00%	-2.00%	-2.00%	-2.00%
BRIDGE SHLDR TRANS -W	2054+35.00'	-2.00%	-2.00%	-2.00%	-2.00%
BRIDGE SHLDR TRANS -W	2055+55.00'	-4.00%	-2.00%	-2.00%	-4.00%
BRIDGE SHLDR TRANS -DR	2116+50.00'	-4.00%	-2.90%	2.90%	2.90%
BRIDGE SHLDR TRANS -DR	2117+10.00'	-2.90%	-2.90%	2.90%	2.90%
BRIDGE SHLDR TRANS -DR	2119+20.00'	-2.90%	-2.90%	2.90%	2.90%
BRIDGE SHLDR TRANS -DR	2119+80.00'	-4.00%	-2.90%	2.90%	2.90%

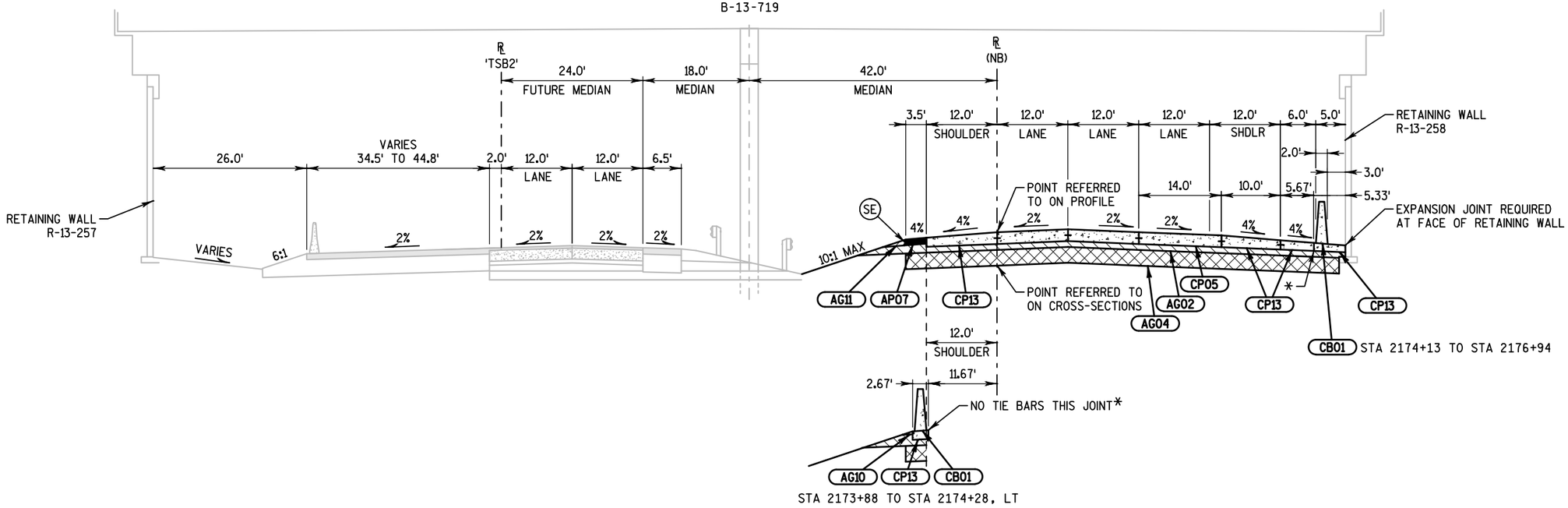
KEYNOTE LEGEND

AG02	6" BASE AGGREGATE DENSE 1 1/4-INCH
AG04	16" SELECT CRUSHED MATERIAL
AG10	3" BASE AGGREGATE DENSE 3/4-INCH
AG11	4" BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT SINGLE: 4.0" 4 LT 58-28 S
CB01	CONCRETE BARRIER TYPE S42
CG01	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE A
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID AS CONCRETE PAVEMENT 12-INCH)
SP02	SLOPE PAVING CRUSHED AGGREGATE
SE	SAFETY EDGE REQ'D (INCIDENTAL)



TYPICAL FINISHED SECTION

CTH BN OVERPASS
STA 2153+00 TO 2154+50



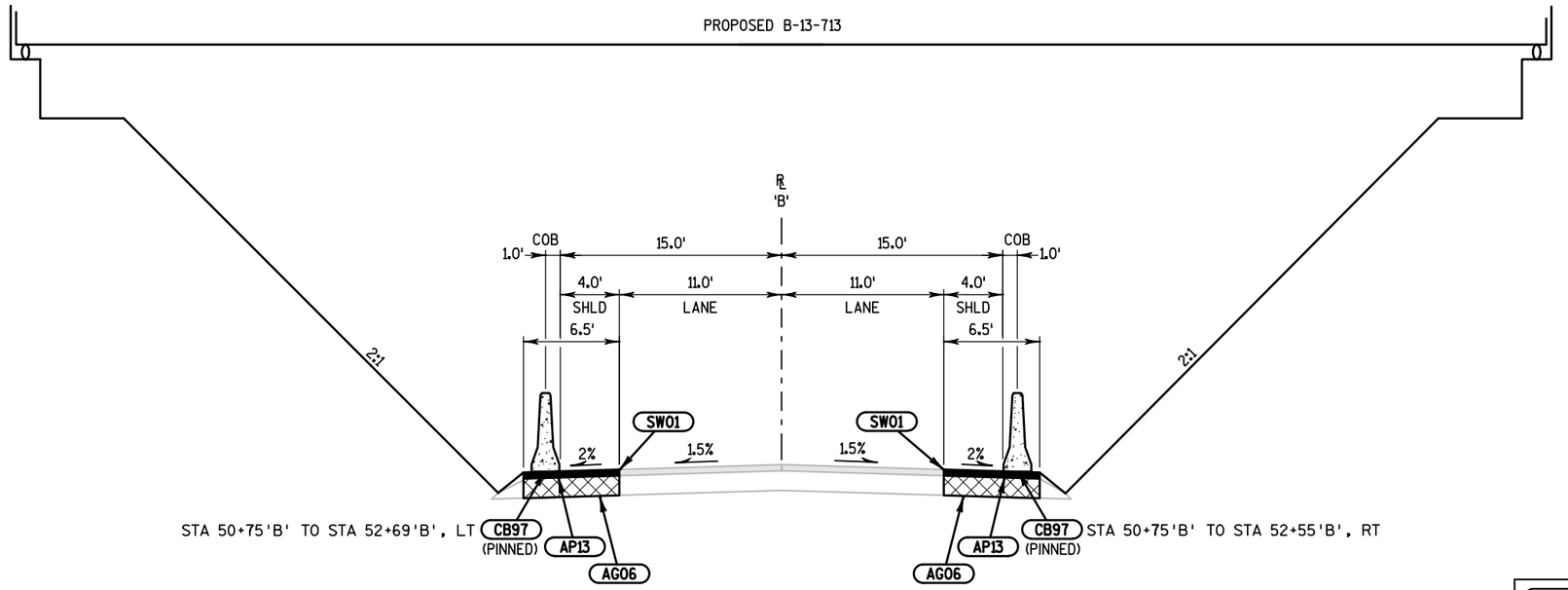
TYPICAL FINISHED SECTION

CHURCH STREET OVERPASS
STA 2171+63 TO 2179+04

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS - FINISHED	PAGE 05 OF 09	SHEET E

SAVE FOLDER PATH: \\SEHMADISONNPROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 020300_TS (TYPICAL FINISHED SECTIONS).DWG
PLOT DATE : 10/9/2017 5:25 PM
PLOT BY : SEH INC
LAYOUT NAME : 05
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2



TYPICAL FINISHED SECTION

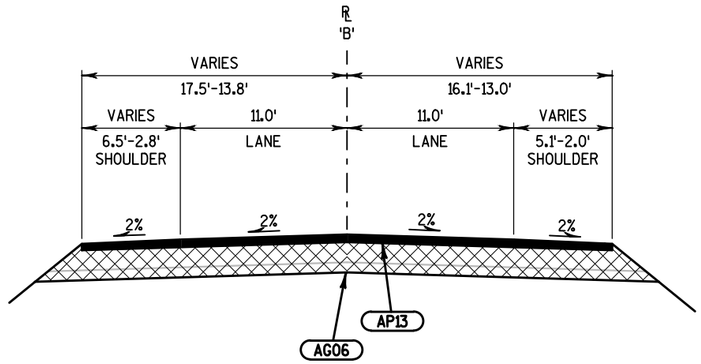
CTH B

STA 50+89'B' TO STA 51+44'B', LT

STA 51+29'B' TO STA 51+84'B', RT

KEYNOTE LEGEND

AG06	8" BASE AGGREGATE DENSE 1 1/4-INCH
AP13	3.5-INCH HMA PAVEMENT UPPER: 1.75" - 4 LT 58-28 S LOWER: 1.75" - 4 LT 58-28 S
CB97	MAINTENANCE AND REMOVAL OF CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE BY OTHERS
SW01	SAWING ASPHALT



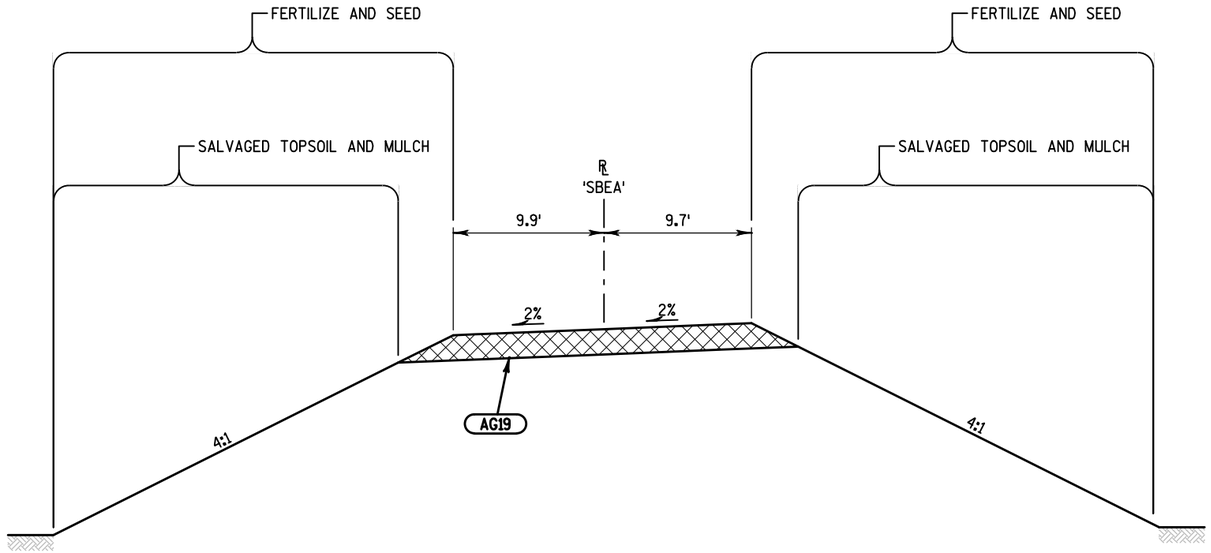
TYPICAL FINISHED SECTION

CTH B

STA 52+69'B' TO STA 53+00'B'

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

2



KEYNOTE LEGEND

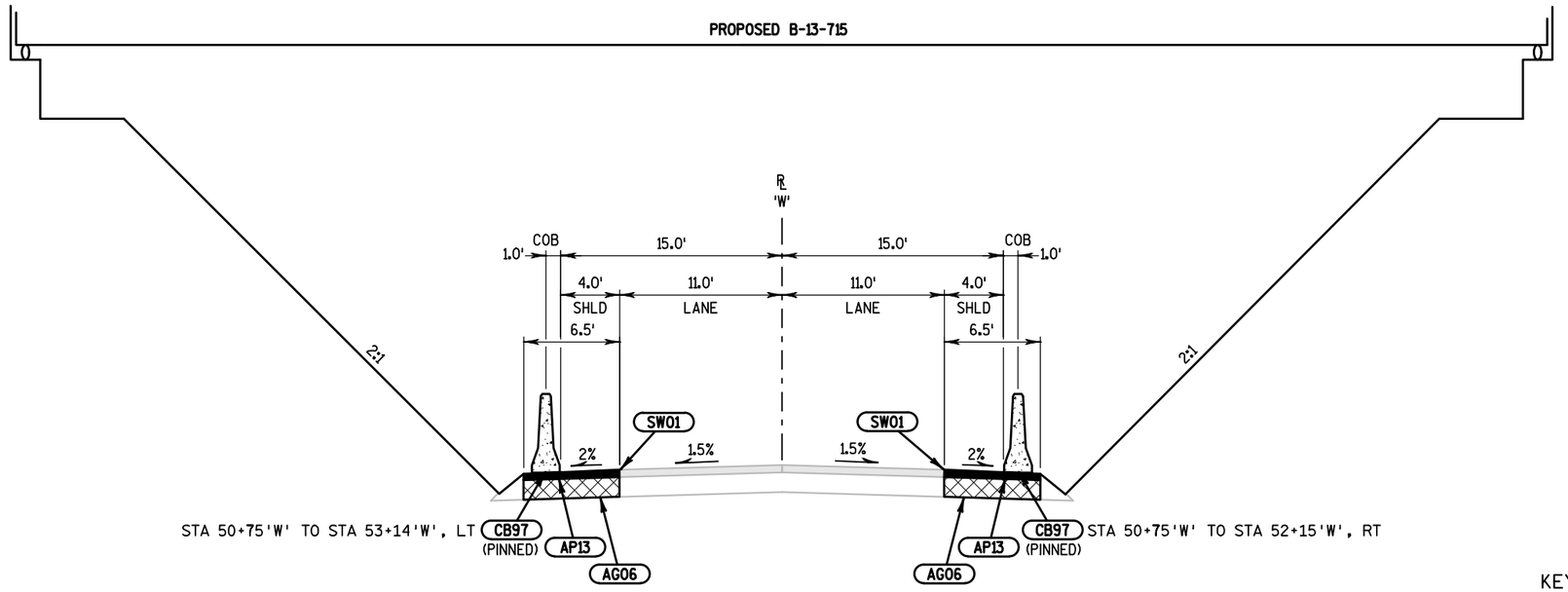
AG19	10" BASE AGGREGATE DENSE 1 1/4-INCH

TYPICAL FINISHED SECTION

SB EMERGENCY ACCESS

STA 96+12'SBEA' TO STA 99+54'SBEA'

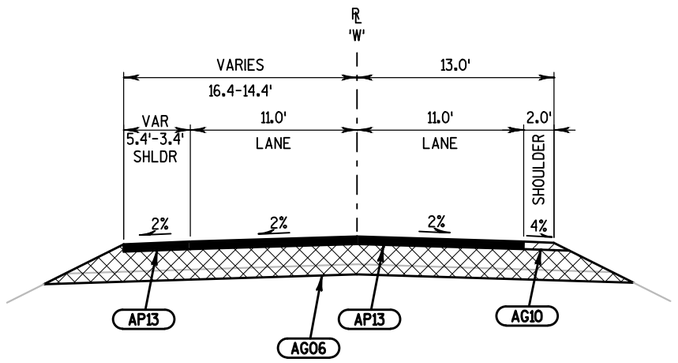
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS



TYPICAL FINISHED SECTION

CTH W

STA 51+33'W' TO STA 51+89'W', LT
STA 50+91'W' TO STA 51+48'W', RT



TYPICAL FINISHED SECTION

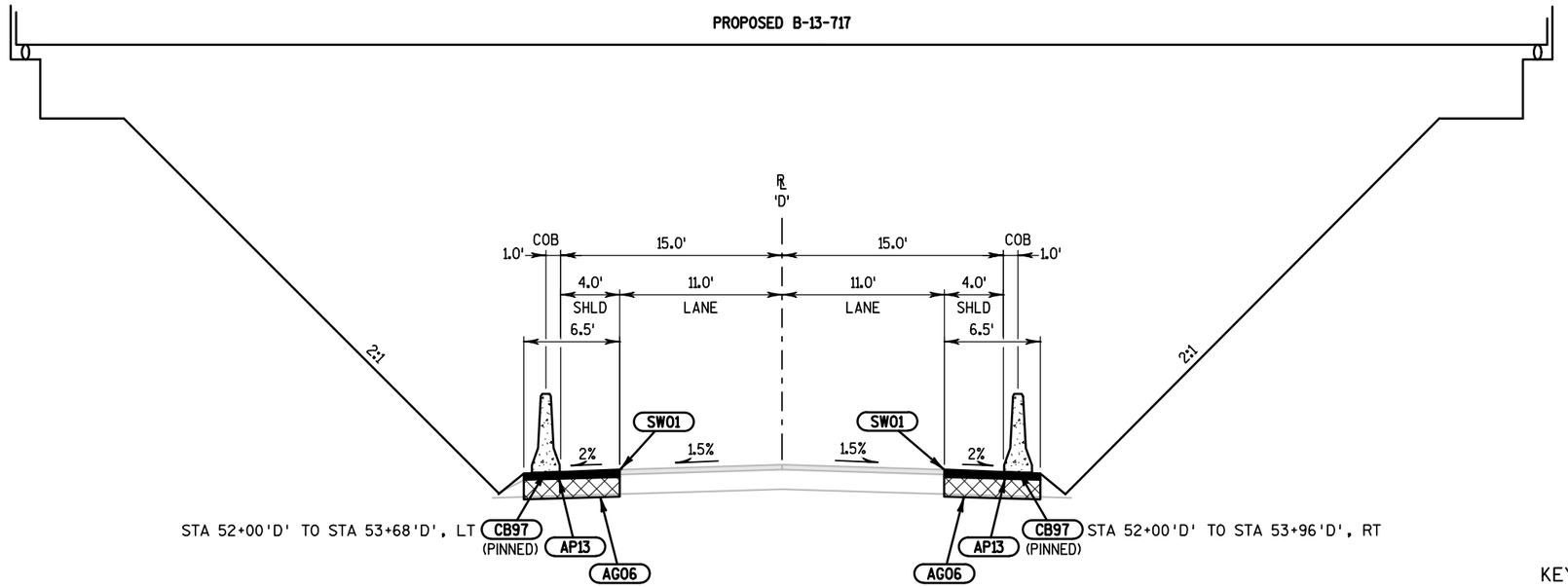
CTH W

STA 53+25'W' TO STA 53+45'W'

KEYNOTE LEGEND

AG06	8" BASE AGGREGATE DENSE 1 1/4-INCH
AG10	3" BASE AGGREGATE DENSE 3/4-INCH
AP13	3.5-INCH HMA PAVEMENT UPPER: 1.75" - 4 LT 58-28 S LOWER: 1.75" - 4 LT 58-28 S
CB97	MAINTENANCE AND REMOVAL OF CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE BY OTHERS
SW01	SAWING ASPHALT

SAVE FOLDER PATH: \\SEHMADISONN\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 020300_TS (TYPICAL FINISHED SECTIONS).DWG
PLOT DATE : 10/9/2017 5:25 PM
PLOT BY : SEH INC
LAYOUT NAME : 08
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

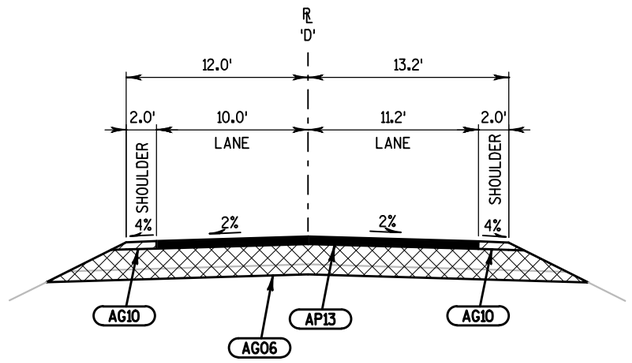


TYPICAL FINISHED SECTION

DROTNING RD

STA 52+05'D' TO STA 52+68'D', LT

STA 52+59'D' TO STA 53+21'D', RT



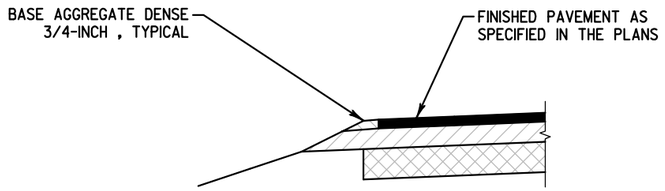
TYPICAL FINISHED SECTION

DROTNING RD

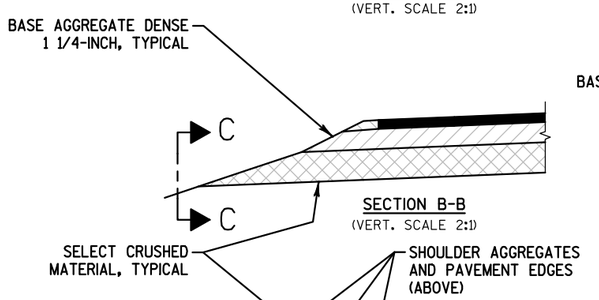
STA 56+35'D' TO STA 56+96'D'

KEYNOTE LEGEND

AG06	8" BASE AGGREGATE DENSE 1 1/4-INCH
AG10	3" BASE AGGREGATE DENSE 3/4-INCH
AP13	3.5-INCH HMA PAVEMENT UPPER: 1.75" - 4 LT 58-28 S LOWER: 1.75" - 4 LT 58-28 S
CB97	MAINTENANCE AND REMOVAL OF CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE BY OTHERS
SW01	SAWING ASPHALT

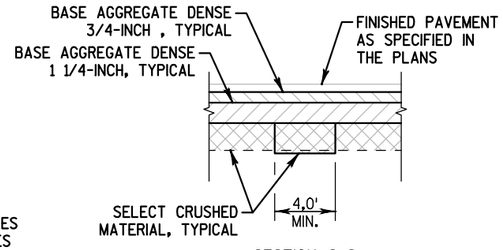


SECTION A-A
(VERT. SCALE 2:1)



SECTION B-B
(VERT. SCALE 2:1)

PLAN VIEW
(VIEW PLANE AT TOP OF
SELECT CRUSHED MATERIAL)



SECTION C-C
(VERT. SCALE 2:1)

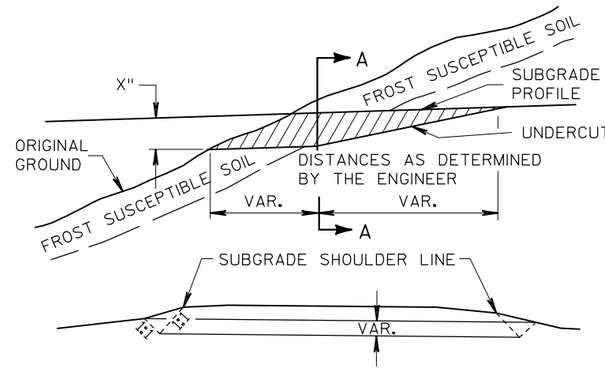
NOTE:

CONSTRUCT RELIEF TRENCHES AT 200'-300' INTERVALS AND AT PROFILE SAG POINTS (LEFT AND RIGHT).

FINAL LOCATIONS TO BE APPROVED OR DETERMINED BY THE ENGINEER IN THE FIELD.

MATERIALS AND LABOR FOR RELIEF TRENCH ARE INCLUDED IN THE SELECT CRUSHED MATERIAL BID ITEM.

RELIEF TRENCH



SECTION A-A
CROSS SECTION SHOWING UNDERCUT

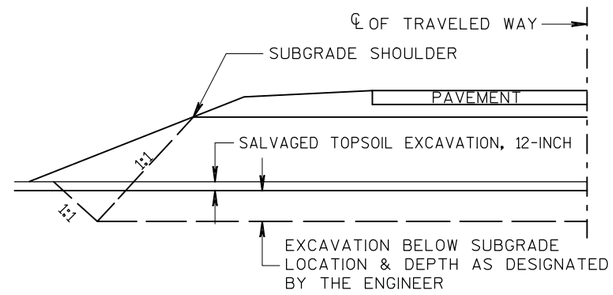
NOTE:

EXACT LOCATIONS AND EXTENT OF E.B.S. SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

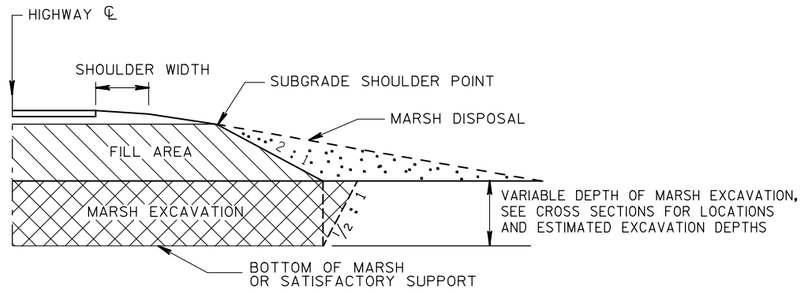
BACKFILL E.B.S. WITH SLECT BORROW.

THE FILL SECTION WITHIN 100' OF THE MOUTH OF THE CUT MUST BE KEPT 2' BELOW SUBGRADE UNTIL E.B.S. IS COMPLETED.

EXCAVATION BELOW SUBGRADE AT CUTS



EXCAVATION BELOW SUBGRADE



NOTE:

MARSH EXCAVATION SHALL BE REPLACED WITH SELECT BORROW IN AREAS WHERE WATER IS ENCOUNTERED. WHERE WATER IS ENCOUNTERED, PLACE SELECT BORROW TO AN ELEVATION 2 FT ABOVE THE WATER LINE. ALL OTHER AREAS SHALL BE REPLACED WITH EMBANKMENT.

MARSH DISPOSAL SHALL NOT BE PLACED IN THE MEDIAN.

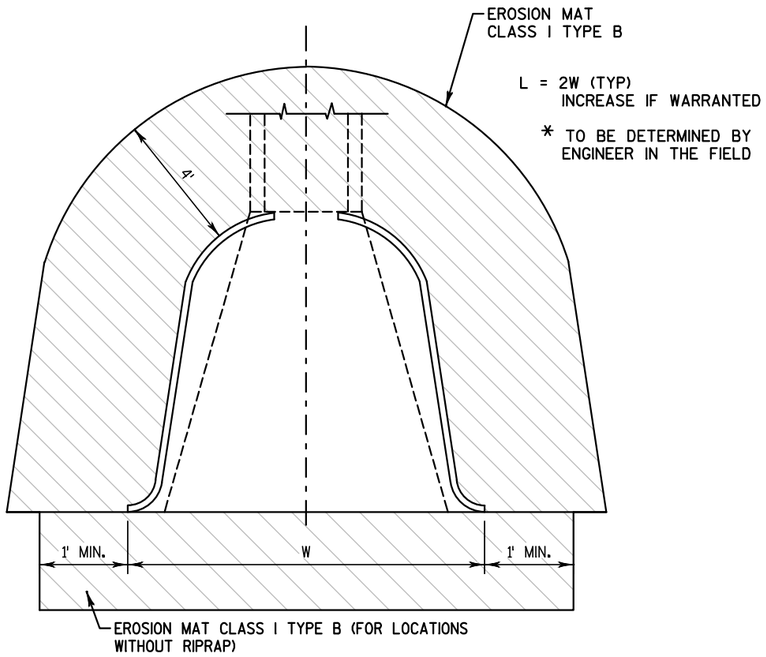
MARSH EXCAVATION

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

RUNOFF COEFFICIENT TABLE

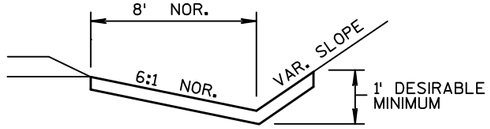
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = 244.9 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 85.5 ACRES

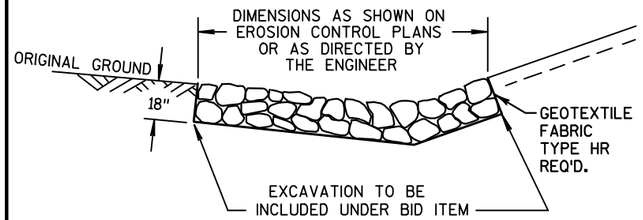


EROSION MAT AT APRON ENDWALLS

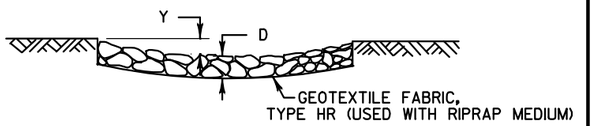
(SEE EROSION CONTROL PLANS FOR APPROXIMATE LOCATIONS)



EROSION MAT FOR DITCHES

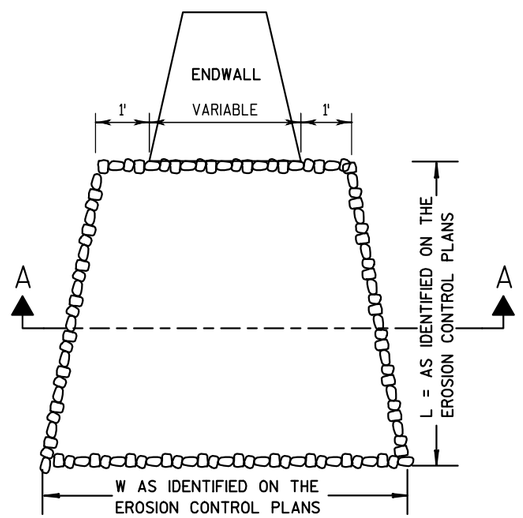


RIPRAP MEDIUM IN DITCHES



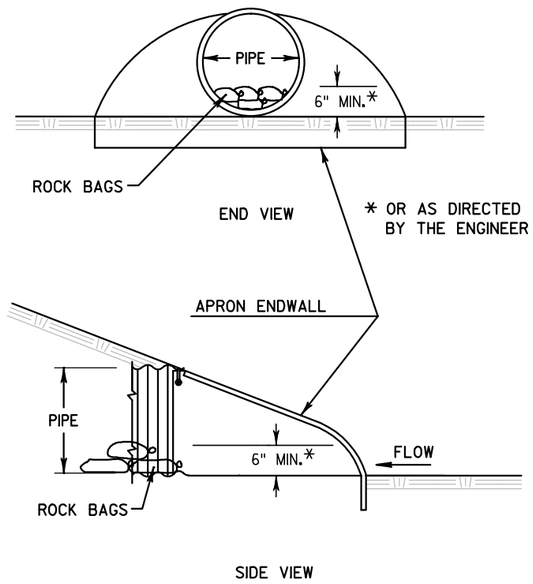
SECTION A-A

D = 18" FOR RIPRAP MEDIUM
Y = 0' FOR TYPICAL CULVERT DISCHARGE INTO DITCH
= 12" FOR CULVERT DISCHARGE DOWN EMBANKMENT SLOPE



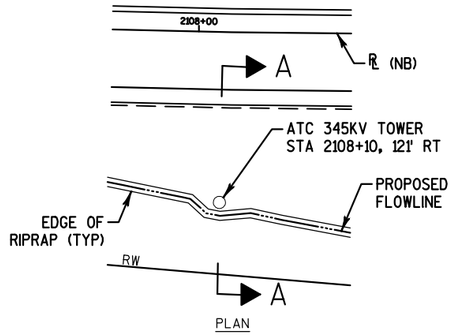
RIPRAP MEDIUM AND GEOTEXTILE FABRIC AT APRON ENDWALLS

(SEE EROSION CONTROL PLANS FOR APPROXIMATE LOCATIONS)

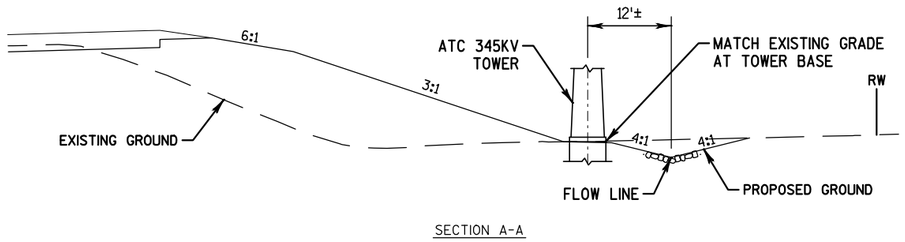


CULVERT PIPE CHECK

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\100711\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 021000_CD (CSTR DET).DWG
PLOT DATE : 10/9/2017 5:25 PM
PLOT BY : SEH INC
LAYOUT NAME : 02
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



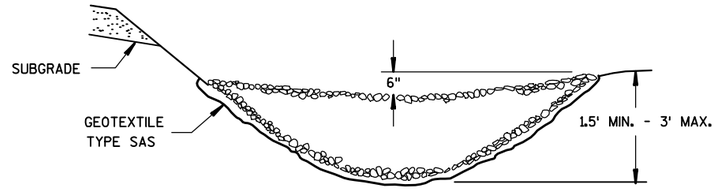
PLAN



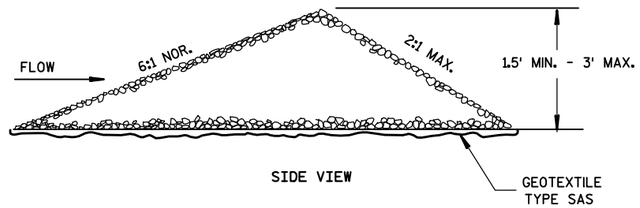
SECTION A-A

ATC TOWER GRADING

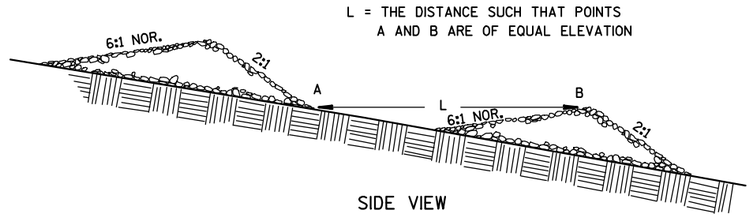
(STA 2108+10, RT)



CROSS SECTIONAL VIEW



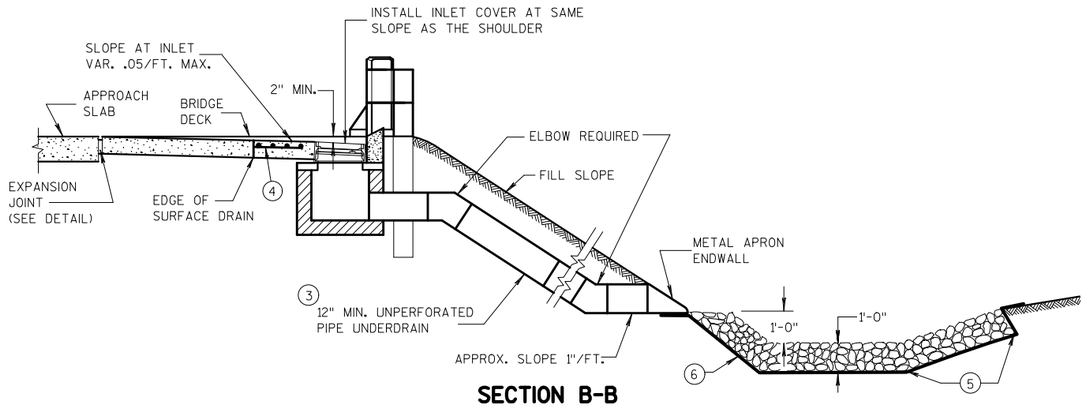
SIDE VIEW



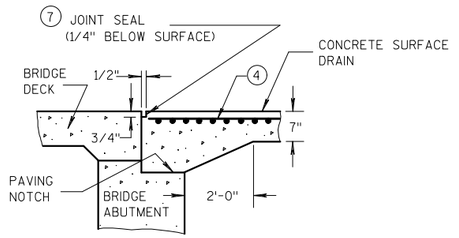
SIDE VIEW

STONE OR ROCK DITCH CHECKS

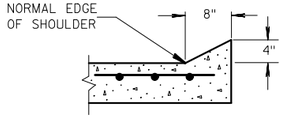
2



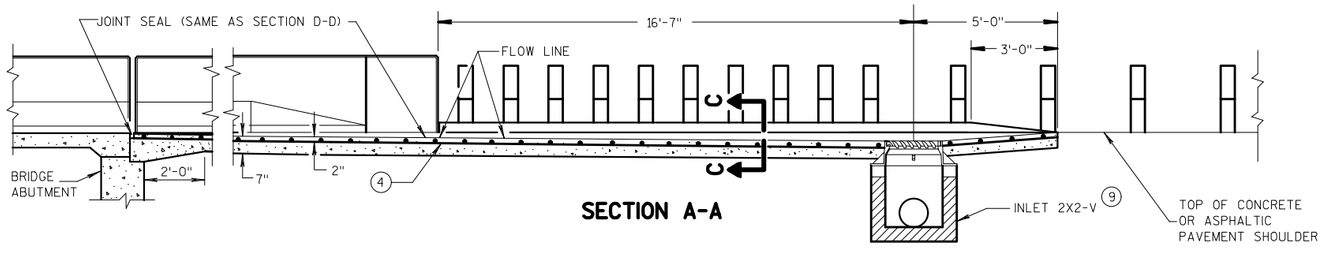
SECTION B-B



SECTION D-D



SECTION C-C



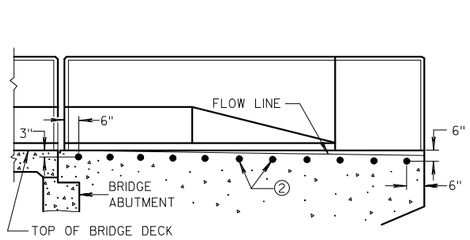
SECTION A-A

GENERAL NOTES

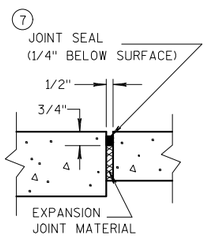
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

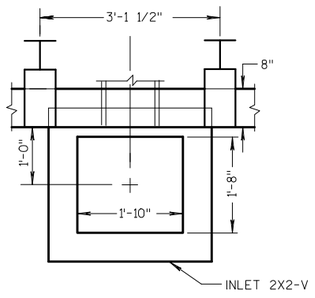
1. NO. 4 X 2'-0" TIE BARS SPACED AT 3'-0" CENTERS TO BE USED ONLY WHEN ADJACENT TO P.C. CONCRETE.
2. NO. 4 X 2'-0" TIE BARS SPACED AT 12" CENTERS TO BE PLACED BY BRIDGE CONTRACTOR, OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.
3. THE PIPE UNDERDRAIN MAY BE ANY ONE OF THE SIX MATERIALS LISTED IN THE STANDARD SPECIFICATIONS SECTION 612.2 EXCEPT DRAIN TILE.
4. MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C-C.
5. LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.
6. GEOTEXTILE FABRIC, TYPE 'R' OR TYPE 'HR', DEPENDENT ON RIPRAP TYPE
7. HOT POURED SEALANT UNLESS OTHERWISE SPECIFIED.
8. THIS DIMENSION MAY VARY DEPENDING ON THE SPACING OF POSTS FOR THE STEEL PLATE BEAM GUARD. THE TYPICAL LOCATION FOR THE SURFACE DRAIN IS WHERE THE POST SPACING IS 3'-1 1/2".
9. SEE CURRENT STANDARD DETAIL DRAWINGS 8A5 AND 8C7 FOR DETAILS.



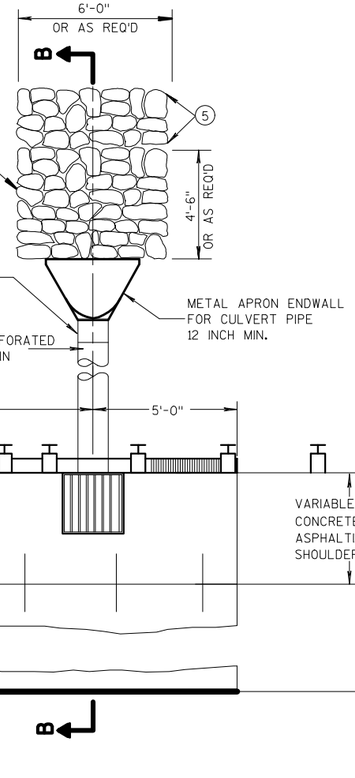
LOCATION OF TIE BARS IN WINGWALL



EXPANSION JOINT DETAIL

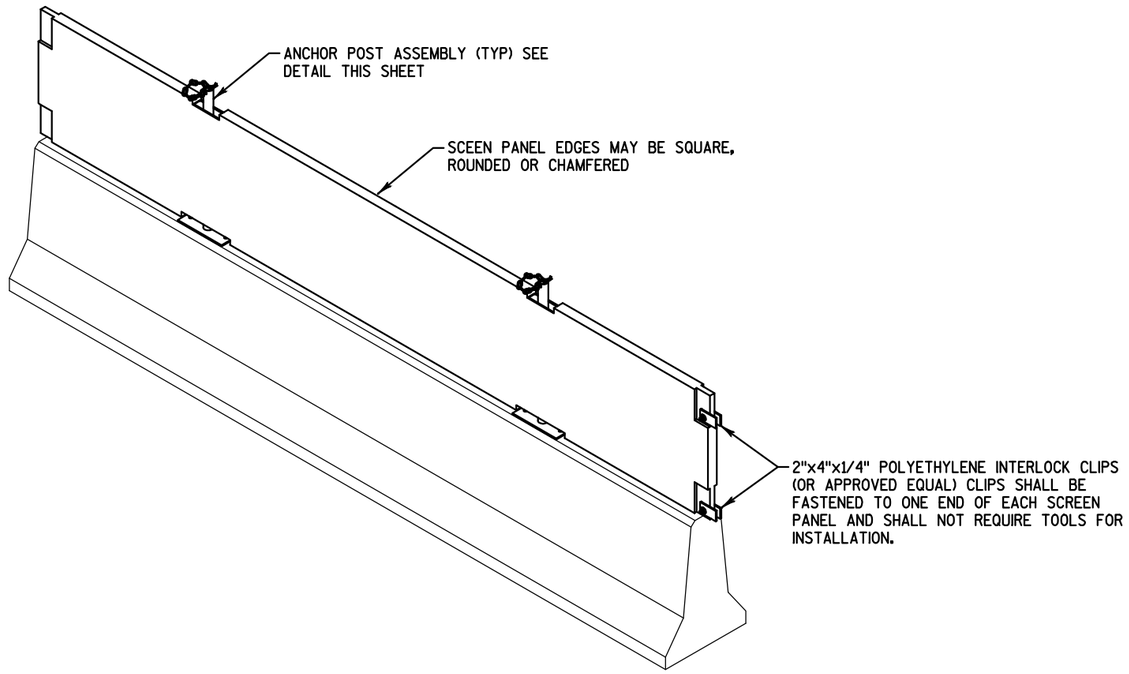


PLAN VIEW



PLAN VIEW

CONCRETE SURFACE DRAIN AT STRUCTURES



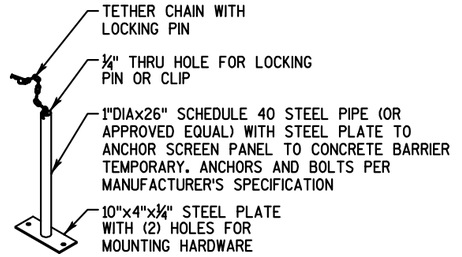
NOTE:

THE DESIGN OF THIS ITEM, WHICH INCLUDES ALL ASPECTS SHOWN, SHALL BE DESIGNED SO THAT THE SCREEN IS CAPABLE OF REMAINING IN PLACE FROM TRAFFIC GUSTS, WIND GUSTS, AND OTHER OUTDOOR ELEMENTS THAT MAY MOVE OR DISPLACE THE SCREEN.

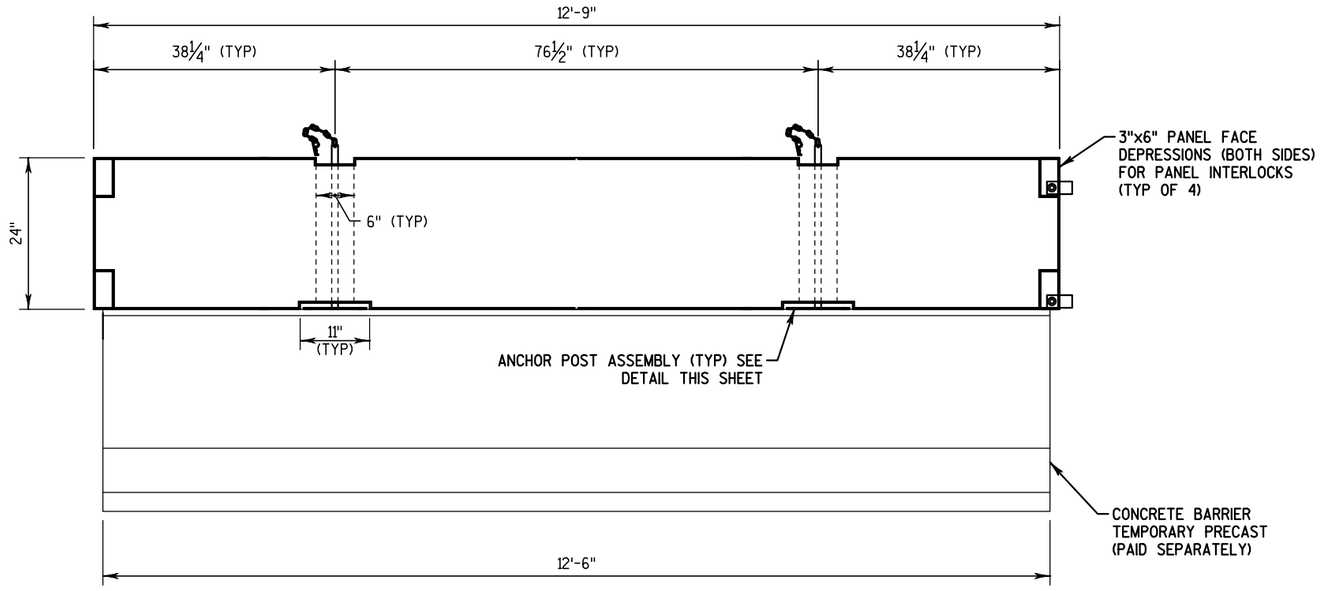
VENT HOLES THROUGH THE SCREEN PANEL ARE PERMITTED BUT NOT REQUIRED. IF VENT HOLES ARE USED, THE HOLES SHALL NOT EXCEED 3-INCHES IN DIAMETER AND SHALL BE LIMITED TO 24 OR LESS PER PANEL.

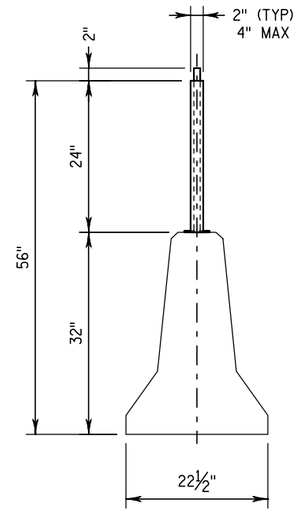
SCREEN PANELS SHALL HAVE A NON-REFLECTIVE MAT OR FLAT GRAY FINISH OR PAINTED SURFACE.

SHOP DRAWINGS WITH A FULL SIZE SAMPLE SHALL BE PROVIDED TO THE CMT (CORRIDOR MANAGEMENT TEAM) FOR APPROVAL PRIOR TO USE.



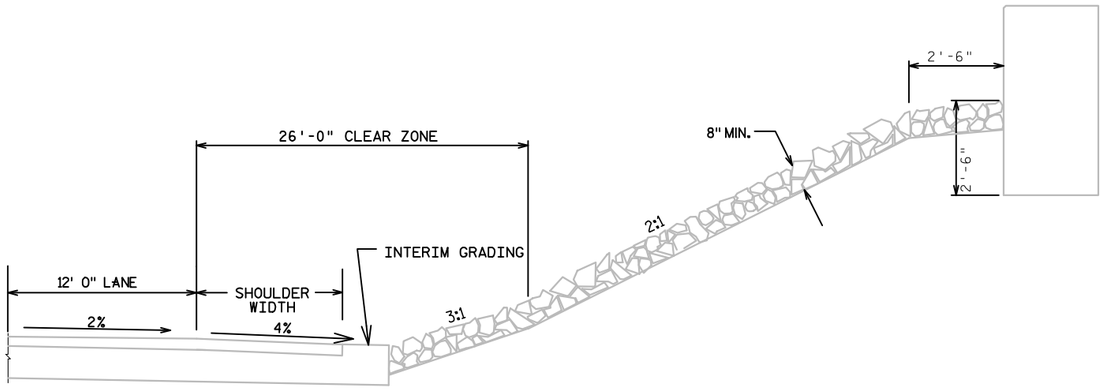
ANCHOR POST ASSEMBLY



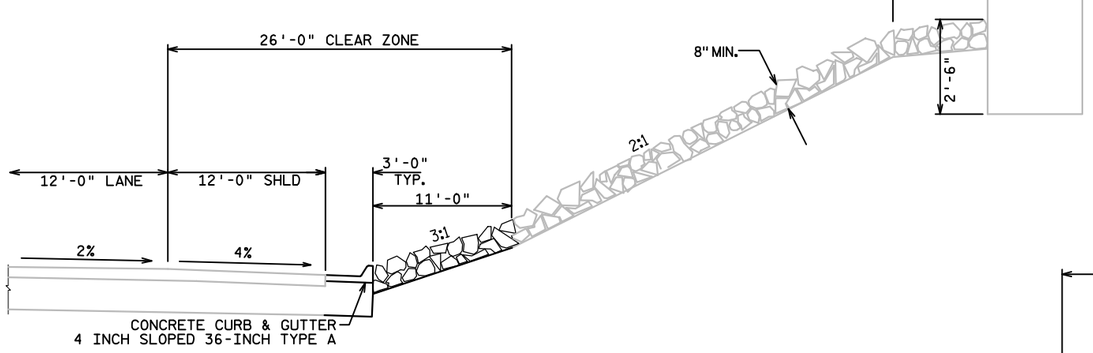


TRAFFIC CONTROL GAWK SCREEN

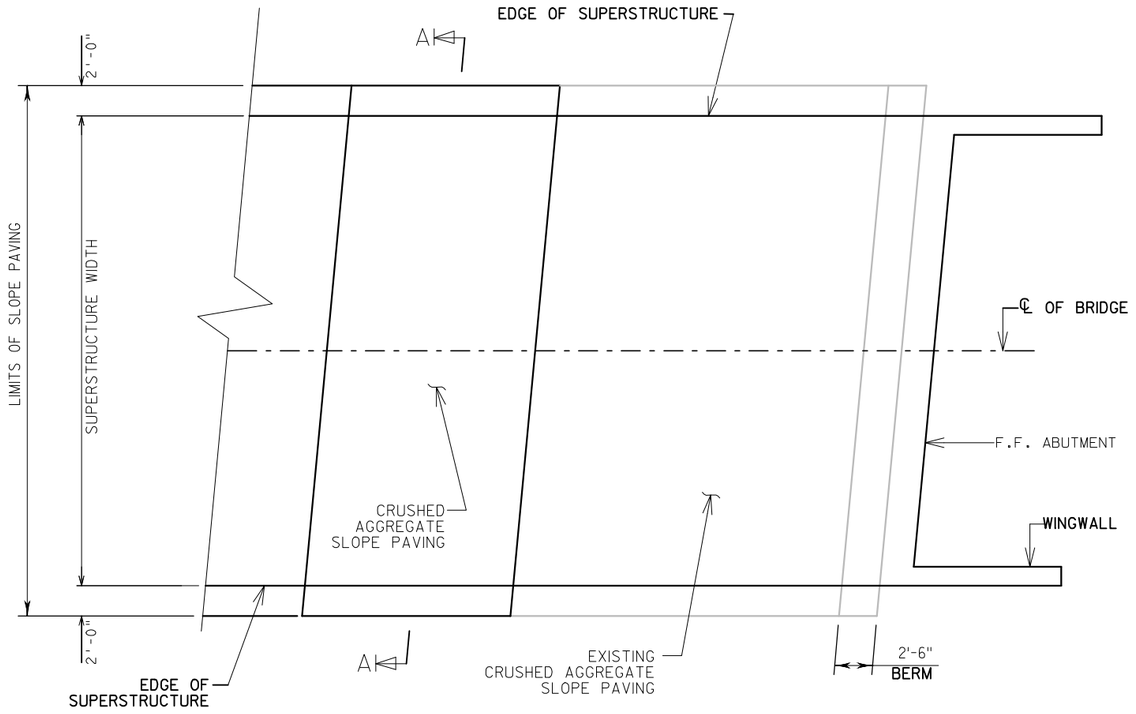
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007117I\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 021000_CD (CSTR DET).DWG
PLOT DATE : 10/9/2017 5:25 PM
PLOT BY : SEH INC
LAYOUT NAME : 05
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION
B-13-718 NORTH ABUTMENT

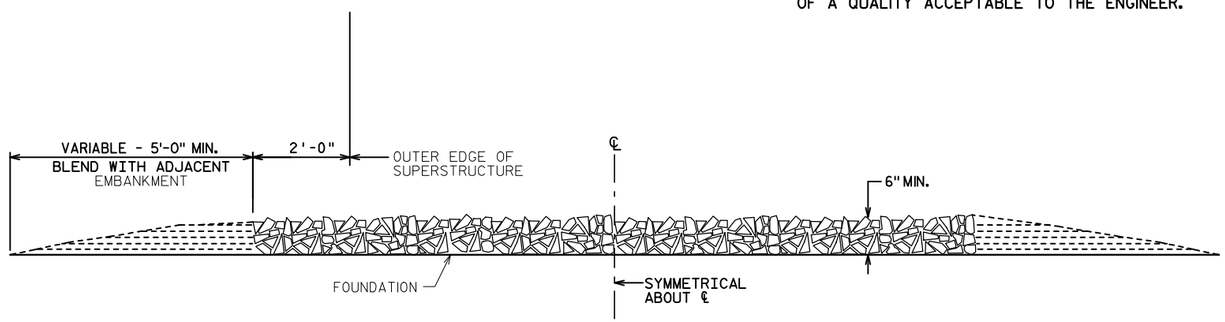


FINISHED TYPICAL SECTION
B-13-718 NORTH ABUTMENT



NOTE:

WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.



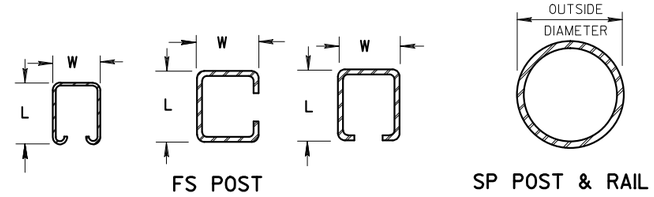
SECTION A-A

SLOPE PAVING CRUSHED AGGREGATE
(B-13-718)

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CONSTRUCTION DETAILS	PAGE 06 OF 12	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007111\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021000_CD (CSTR DET).DWG
PLOT DATE : 10/9/2017 5:25 PM
PLOT BY : SEH INC
LAYOUT NAME : 06
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



FS POST

SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. DOME TOPS
5. TRUSS RODS
6. TENSION BAR
7. TENSION BANDS
8. BRACE RAIL
9. LATCH CHAIN **
   - SECURE TO GATE WITH BOLT
10. TYPE II SIGN (W5-56) - SEE DETAILS

**KEYED LOCKS TO BE PROVIDED BY WISDOT

GENERAL NOTES

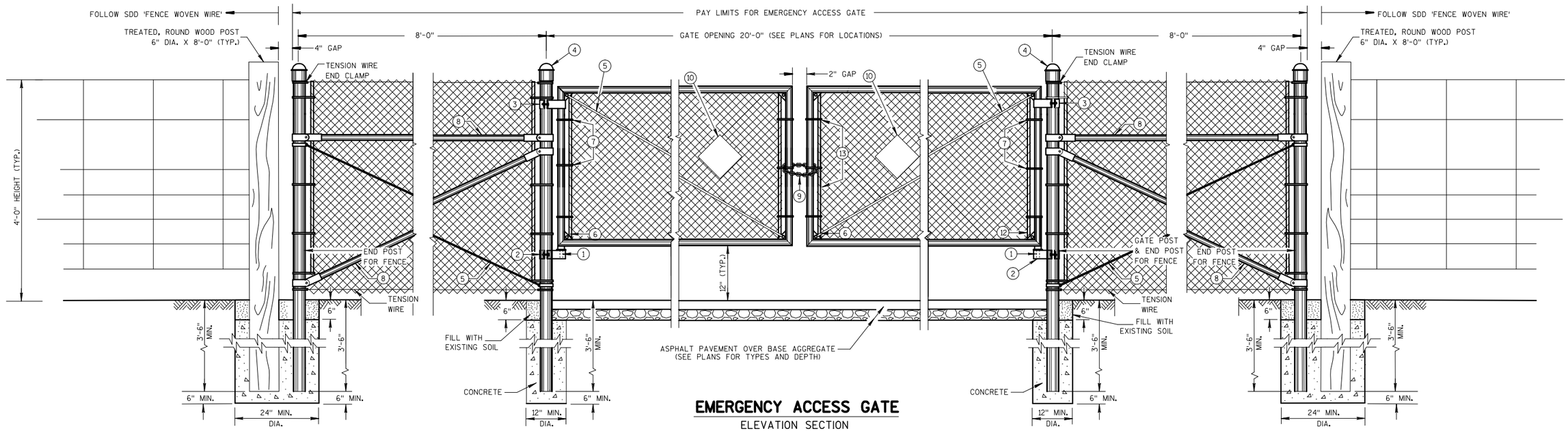
FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.



EMERGENCY ACCESS GATE

ELEVATION SECTION

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR ROUND STEEL FENCE POST

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

REQUIRED POST SIZE FOR GATES

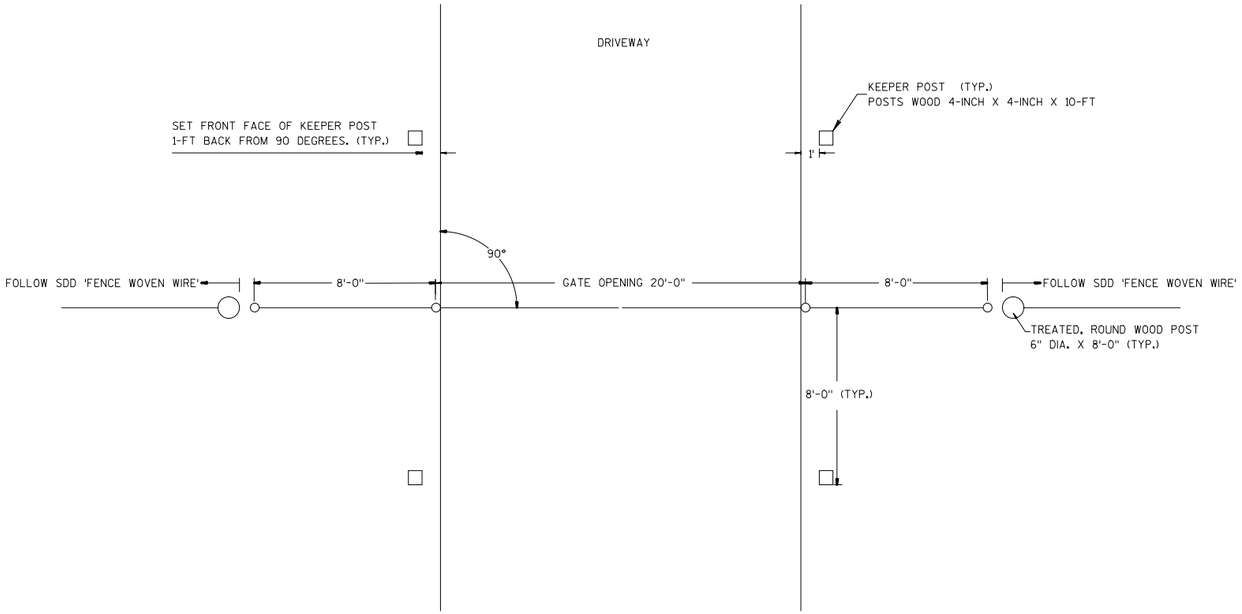
USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR FORMED STEEL FENCE POST

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

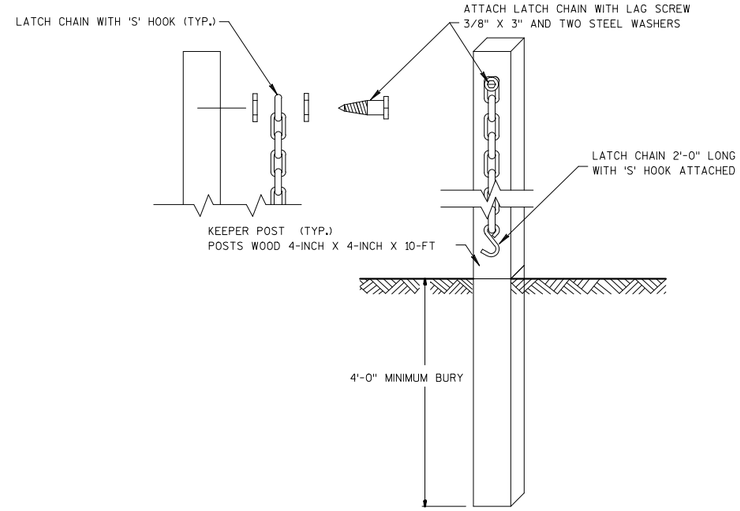
EMERGENCY ACCESS GATE

(PAGE 01 OF 02)

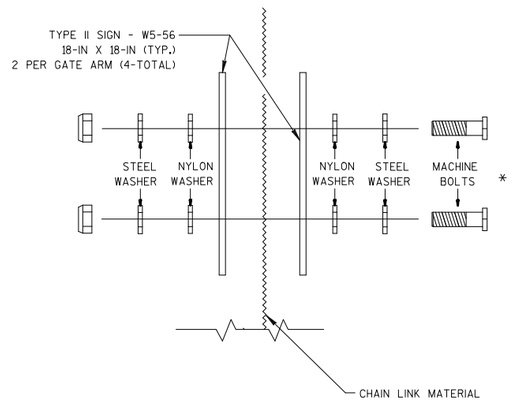


EMERGENCY ACCESS GATE

TYPICAL PLAN VIEW



KEEPER POST



SIGN CONNECTION

NUTS, BOLTS, AND LAGS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:
A. HOT DIP OR MECHANICALLY GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR
B. CADMIUM PLATED IN ACCORDANCE WITH ASTM DESIGNATION: B 766 TYPE 3, CLASS 12, OR
C. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3.

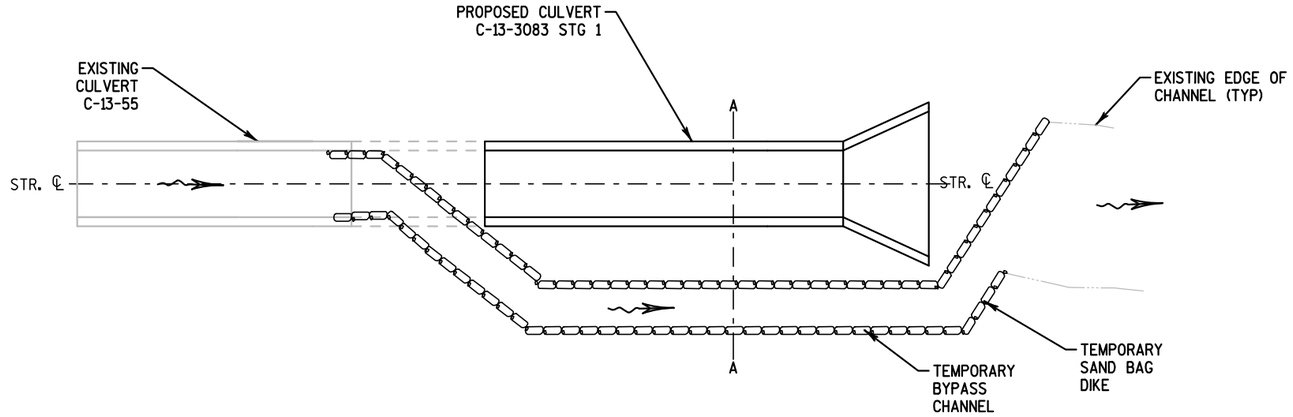
THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 2-1/4"
* BOLT LENGTHS MAY VARY BASED ON SIGN THICKNESS PROVIDED.
WASHERS
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X 0.080 NYLON

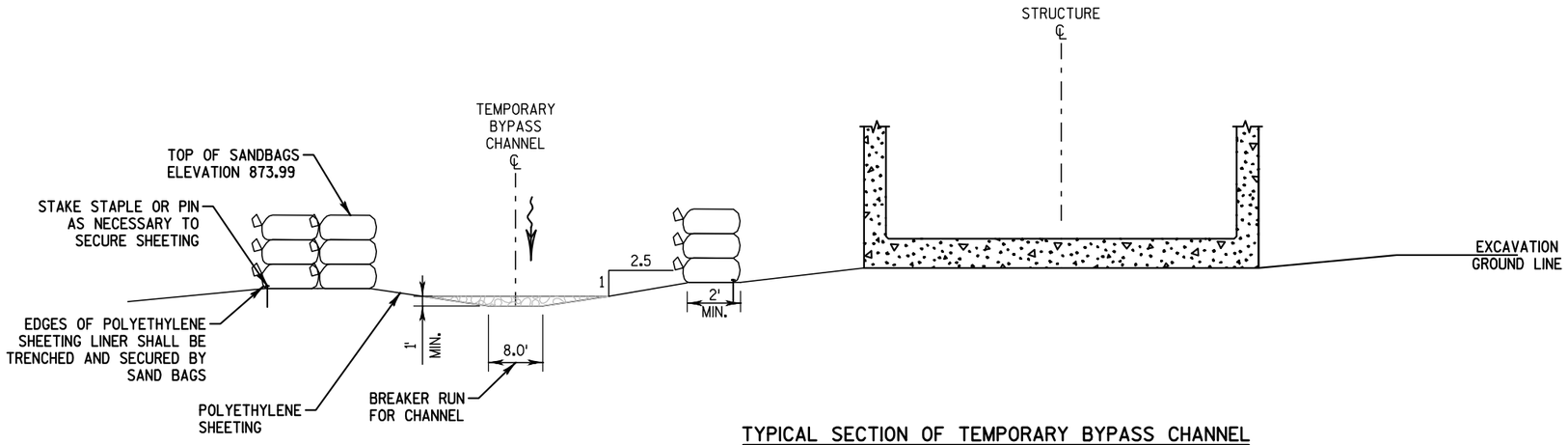
EMERGENCY ACCESS GATE
(PAGE 02 OF 02)

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

2



PLAN VIEW OF TEMPORARY BYPASS CHANNEL



TYPICAL SECTION OF TEMPORARY BYPASS CHANNEL
SECTION A-A

NOTE:

THE TEMPORARY BYPASS CHANNEL MUST BE CAPABLE OF DIVERTING THE 2-YEAR RAINFALL EVENT STREAM FLOW. FISH AND AQUATIC SPECIES THAT BECOME STRANDED IN DEWATERED AREAS OR TEMPORARY CHANNELS SHOULD BE CAPTURED AND RETURNED TO THE ACTIVE CHANNEL IMMEDIATELY. SEE STRUCTURE PLANS FOR HYDRAULIC INFORMATION.

BREAKER RUN PAID UNDER STRUCTURE BID ITEM "BREAKER RUN," POLYETHYLENE SHEETING AND TEMPORARY SANDBAG DIKE PAID UNDER STRUCTURE BID ITEM "COFFERDAMS C-13-3083". SEE STRUCTURE PLAN FOR DETAILS.

EXCAVATION AND BACKFILL REQUIRED FOR DEWATERING WORK ZONE WILL BE INCLUDED IN STRUCTURE BID ITEM "COFFERDAMS C-13-3083".

THE TOP OF THE SANDBAGS IS SHOWN AT EL. 873.99 WHICH IS HIGHER THAN THE STREAM ELEVATION RESULTING FROM A 2-YEAR RAINFALL EVENT. IT IS ASSUMED THE WORK ZONE WILL BE INUNDATED FOR RAINFALL EVENTS EXCEEDING 2 YEARS.

A BACKWATER INCREASE DUE TO COFFERDAM IS NOT ALLOWED.

SCHEMATIC VIEWS OF DEWATERED WORK ZONE ARE FOR THE CONTRACTOR'S INFORMATION. CONTRACTOR MAY CHOOSE DEWATERING METHODS WHICH SUIT THEIR BEST PRACTICES.

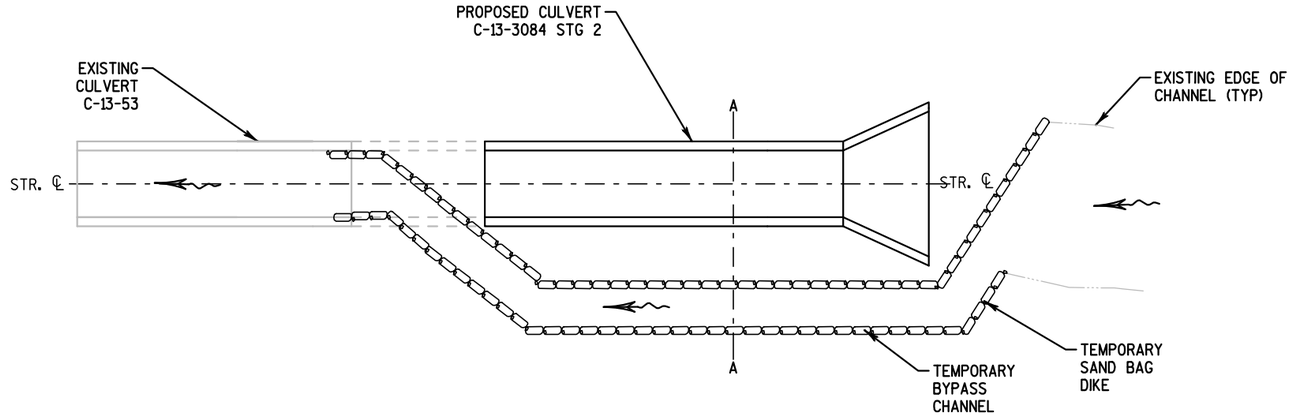
SUBMIT A WATER DIVERSION PLAN TO THE ENGINEER AND ECIP.

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

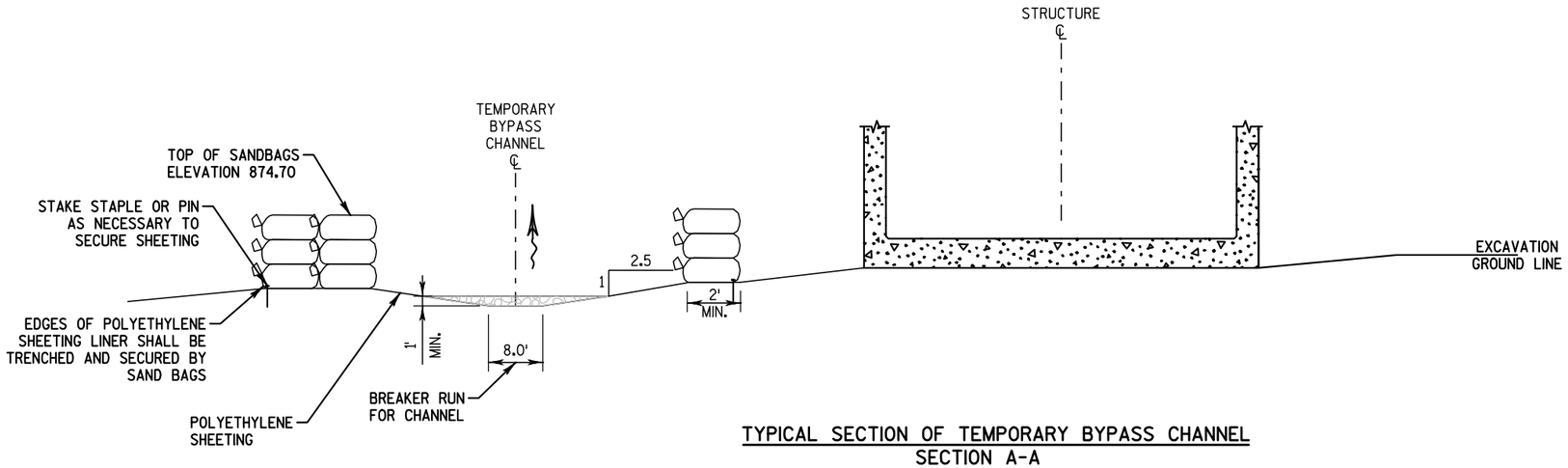
FILE NAME : 021000_CD (CSTR DET).DWG | PLOT DATE : 10/9/2017 5:25 PM | PLOT BY : SEH INC | LAYOUT NAME : 09 | PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



PLAN VIEW OF TEMPORARY BYPASS CHANNEL



TYPICAL SECTION OF TEMPORARY BYPASS CHANNEL
SECTION A-A

NOTE:

THE TEMPORARY BYPASS CHANNEL MUST BE CAPABLE OF DIVERTING THE 2-YEAR RAINFALL EVENT STREAM FLOW. FISH AND AQUATIC SPECIES THAT BECOME STRANDED IN DEWATERED AREAS OR TEMPORARY CHANNELS SHOULD BE CAPTURED AND RETURNED TO THE ACTIVE CHANNEL IMMEDIATELY. SEE STRUCTURE PLANS FOR HYDRAULIC INFORMATION.

BREAKER RUN PAID UNDER STRUCTURE BID ITEM "BREAKER RUN," POLYETHYLENE SHEETING AND TEMPORARY SANDBAG DIKE PAID UNDER STRUCTURE BID ITEM "COFFERDAMS C-13-3084". SEE STRUCTURE PLAN FOR DETAILS.

EXCAVATION AND BACKFILL REQUIRED FOR DEWATERING WORK ZONE WILL BE INCLUDED IN STRUCTURE BID ITEM "COFFERDAMS C-13-3084".

THE TOP OF THE SANDBAGS IS SHOWN AT EL. 874.70 WHICH IS HIGHER THAN THE STREAM ELEVATION RESULTING FROM A 2-YEAR RAINFALL EVENT. IT IS ASSUMED THE WORK ZONE WILL BE INUNDATED FOR RAINFALL EVENTS EXCEEDING 2 YEARS.

A BACKWATER INCREASE DUE TO COFFERDAM IS NOT ALLOWED.

SCHEMATIC VIEWS OF DEWATERED WORK ZONE ARE FOR THE CONTRACTOR'S INFORMATION. CONTRACTOR MAY CHOOSE DEWATERING METHODS WHICH SUIT THEIR BEST PRACTICES.

SUBMIT A WATER DIVERSION PLAN TO THE ENGINEER AND ECIP.

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021000_CD (CSTR DET).DWG | PLOT DATE : 10/9/2017 5:25 PM | PLOT BY : SEH INC | LAYOUT NAME : 10 | PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

EDGE OF EXISTING TRAVEL LANES (TYP)

EDGE OF ASPH SHOULDER (TYP)

EXISTING C-13-55 (SB PORTION TO REMAIN)

IH 39 SB

EXISTING CONTOURS (TYP)

PROPOSED CONTOURS (TYP)

TEMPORARY SHORING TO REMAIN IN PLACE (SEE STRUCTURE PLANS)

2123+72.29
73.64'LT

2123+66.76
59.95'LT

2124+30.86
73.79'LT

2124+39.21
58.88'LT

2123+51.78
40.34'LT

2124+01.37
46.66'LT

RIPRAP (TYP) (SEE EROSION CONTROL PLANS)

SLOPE INTERCEPT (TYP)

2124+64.99
38.56'LT

2124+28.42
38.43'LT

2123+40.37
40.40'LT

2123+74.91
40.38'LT

2123+96.57
31.00'LT

2124+02.00
35.36'LT

2124+08.23
31.26'LT

CC

EDGE OF TEMPOARY ASPH SHOULDER (TYP)

EDGE OF CONC SHOULDER (TYP)

TEMPORARY SHORING TO REMAIN IN PLACE (SEE STRUCTURE PLANS)

PROPOSED ROADWAY GRADING CONTOURS (TYP)

LONGITUDINAL CONC CONSTRUCTION JOINT (TYP)

IH 39 NB

EDGE OF CONC SHOULDER (TYP)

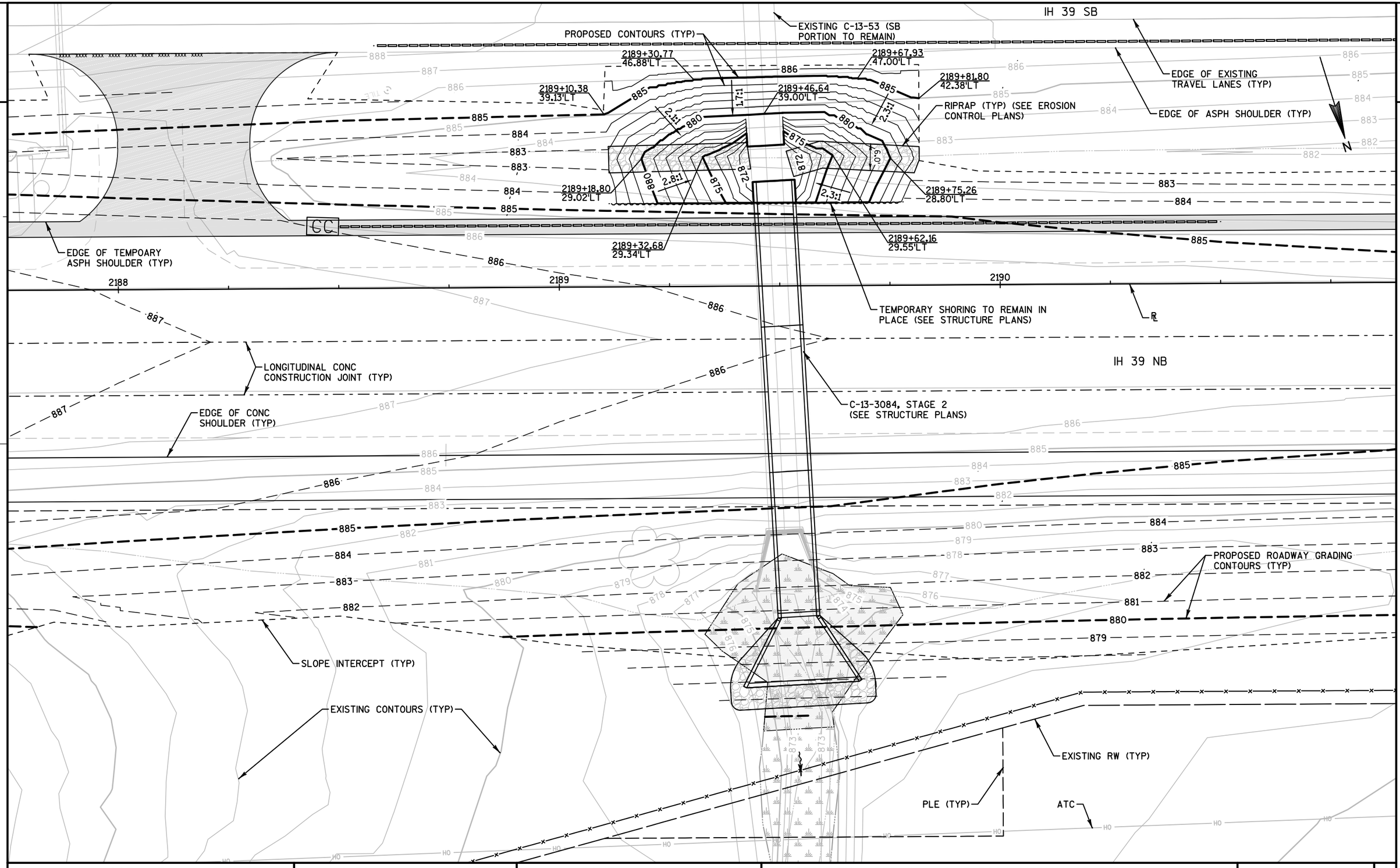
C-13-3083, STAGE 2 (SEE STRUCTURE PLANS)

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CONSTRUCTION DETAIL - C-13-3083 MEDIAN GRADING PAGE 11 OF 13	SHEET E

FILE NAME : 021600_CM (GRADING DETAILS).DWG | PLOT DATE : 10/9/2017 5:28 PM | PLOT BY : SEH | LAYOUT NAME : 11 | PLOT SCALE : 1.0 IN = 20.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007110O1\SHEETSPLAN\1007117



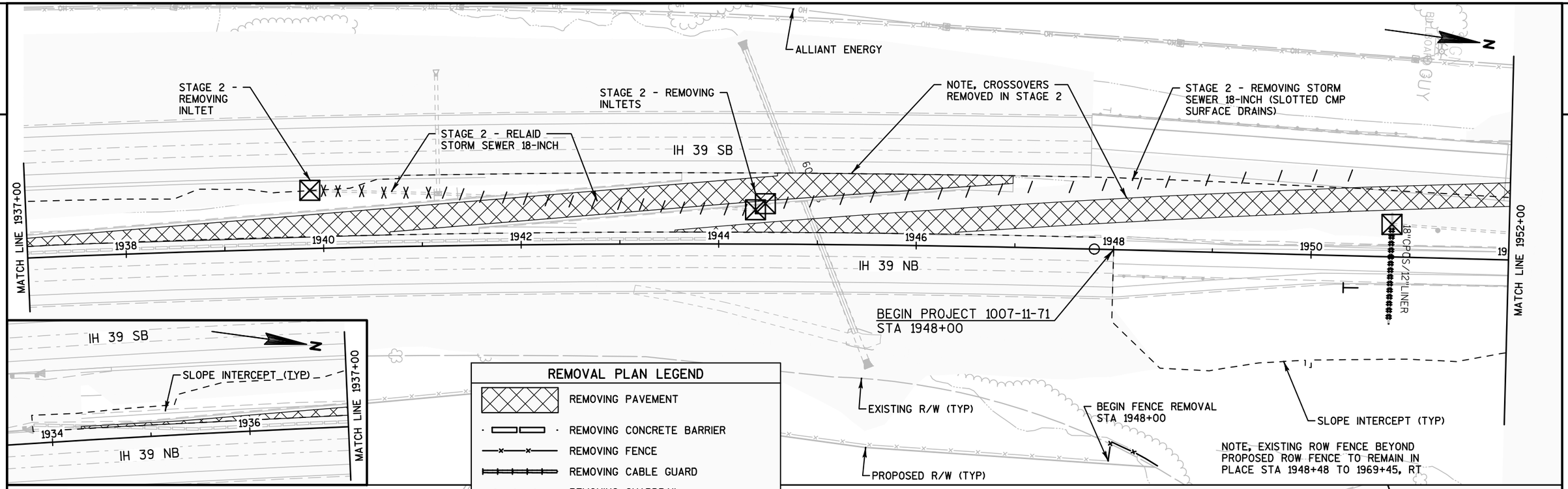
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CONSTRUCTION DETAIL - C-13-3084 MEDIAN GRADING PAGE 12 OF 13	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021600_CM (GRADING DETAILS).DWG | PLOT DATE : 10/9/2017 5:29 PM | PLOT BY : SEH | LAYOUT NAME : 12 | PLOT SCALE : 1.0 IN = 20.0 FT

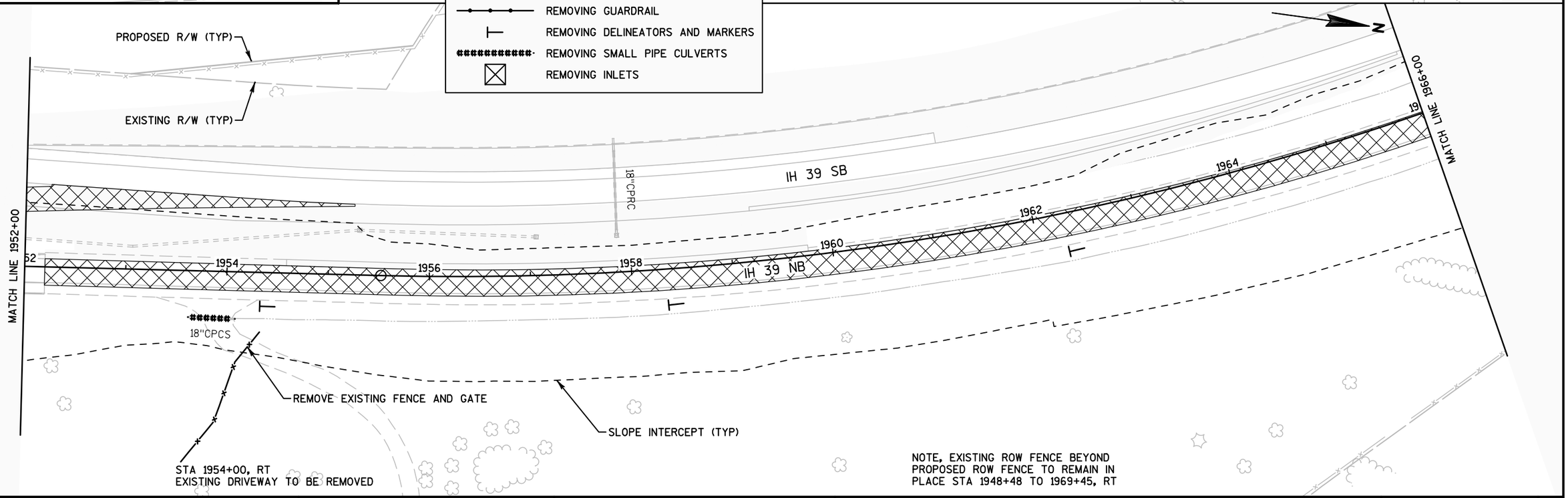
WISDOT/CADDS SHEET 42

2



REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING CONCRETE BARRIER
- REMOVING FENCE
- REMOVING CABLE GUARD
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS
- REMOVING INLETS



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN PAGE 01 OF 09	SHEET	E

FILE NAME : 021100_RM (REMOVAL PLAN).DWG | PLOT DATE : 10/10/2017 3:35 PM | PLOT BY : SEH | LAYOUT NAME : 01 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

2

MATCH LINE 1966+00

1966

1968

1970

1972

1974

1976

1978

1980

IH 39 SB

IH 39 NB

MATCH LINE 1980+50

SEE ITS PLANS

WISDOT

WISDOT

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

NOTE, EXISTING ROW FENCE BEYOND PROPOSED ROW FENCE TO REMAIN IN PLACE STA 1948+48 TO 1969+45, RT

BEGIN FENCE REMOVAL STA 1969+44

PROPOSED R/W (TYP)

STA 1972+00, RT TO STA 1977+00, RT CLEARING AND GRUBBING REQ'D

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING CONCRETE BARRIER
- REMOVING FENCE
- REMOVING CABLE GUARD
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS
- REMOVING INLETS

PLE (TYP)

TLE (TYP)

CTH B

36"CPCS

36"CPCS

B-13-164 EXISTING

18"CPCS/12"LINER

42"CPCS/30"LINER

18"CPCS/12"LINER

IH 39 SB

48"CPCS/36"LINER

MATCH LINE 1980+50

1982

1984

1986

1988

1990

1992

1994

MATCH LINE 1995+40

B-13-165 EXISTING

IH 39 NB

REMOVING OLD STRUCTURE (SEE STRUCTURE PLAN, B-13-713)

REMOVING PAVEMENT

18"x24"PACS

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

ALLIANT ENERGY FRONTIER COM

CTH B

FRONTIER COM

STA 1982+00, RT TO STA 1984+00, RT CLEARING AND GRUBBING REQ'D

STA 1986+00, RT TO STA 1989+00, RT CLEARING AND GRUBBING REQ'D

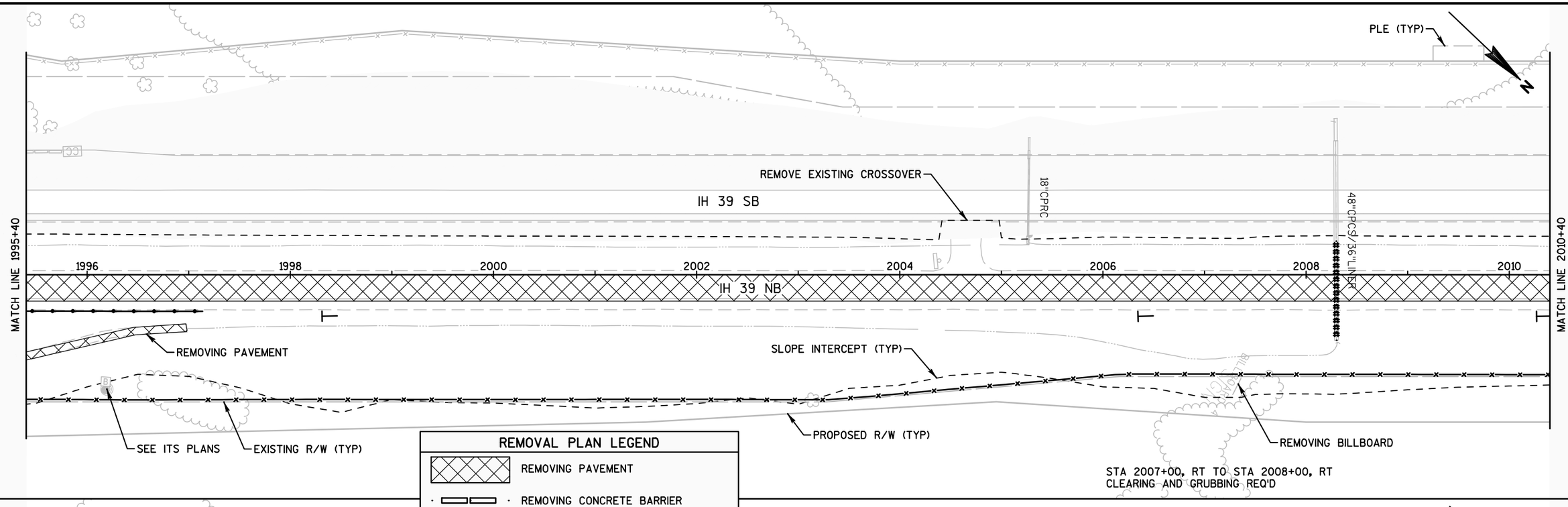
STA 1990+00, RT TO STA 1993+00, RT CLEARING AND GRUBBING REQ'D

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 02 OF 09	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

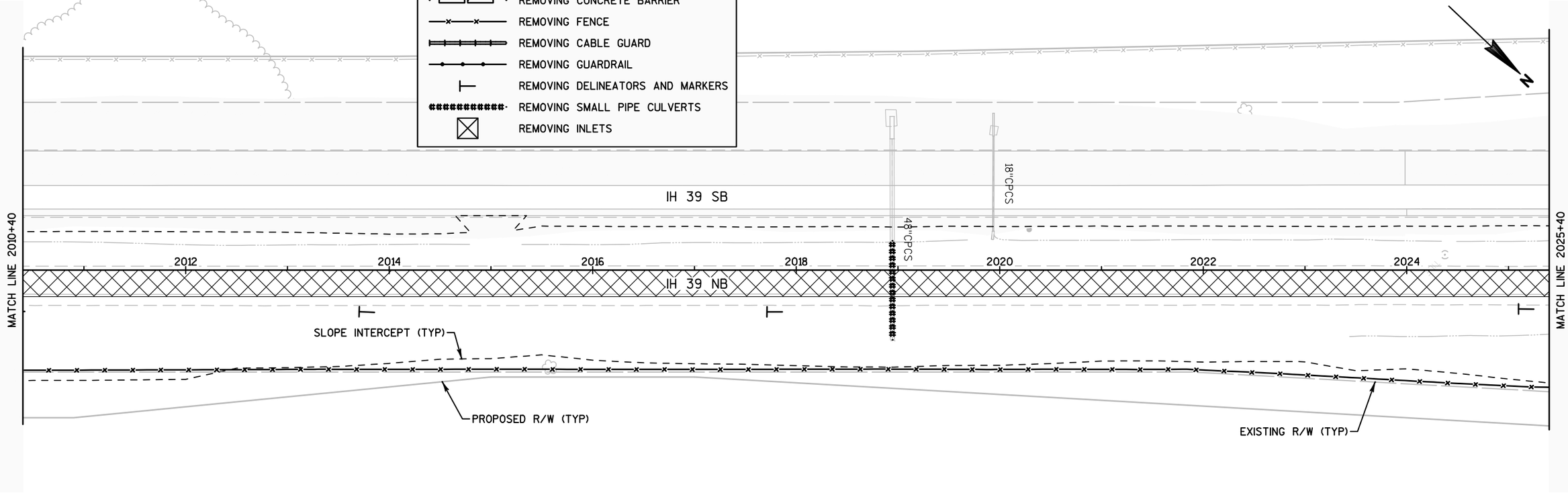
FILE NAME : 021100_RM (REMOVAL PLAN).DWG PLOT DATE : 10/10/2017 3:36 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42



REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING CONCRETE BARRIER
- REMOVING FENCE
- REMOVING CABLE GUARD
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS
- REMOVING INLETS



2

2

MATCH LINE 2025+40

MATCH LINE 2040+40

IH 39 SB

2026 2028 2030 2032 2034 2036 2038 2040

18"CPPC

IH 39 NB

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

STA 2031+00, RT TO STA 2032+00, RT
CLEARING AND GRUBBING REQ'D

N

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING CONCRETE BARRIER
- REMOVING FENCE
- REMOVING CABLE GUARD
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS
- REMOVING INLETS

CTH W

42"x54"PACS

B-13-148
EXISTING

B-13-149
EXISTING

MATCH LINE 2040+40

MATCH LINE 2055+40

IH 39 SB

2042 2044 2046 2048 2050 2052 2054

18"CPPC

IH 39 NB

24"CPPC

18"CPCS

REMOVING OLD STRUCTURE
(SEE STRUCTURE PLAN, B-13-715)

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

EXISTING BILL
BOARD TO REMAIN

KOSHKONONG RD

CTH W

20"x25"PACS

AT&T

STA 2050+00, RT TO STA 2053+00, RT
CLEARING AND GRUBBING REQ'D

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 04 OF 09	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021100_RM (REMOVAL PLAN).DWG PLOT DATE : 10/10/2017 3:37 PM PLOT BY : SEH LAYOUT NAME : 04 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 2055+40

MATCH LINE 2070+40

REMOVE EXISTING CROSSOVER

IH 39 SB

IH 39 NB

36"CPC

30"CPCSS

18"CPRC

2056 2058 2060 2062 2064 2066 2068 2070

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

ALLIANT ENERGY

STA 2054+00, RT TO STA 2056+00, RT
CLEARING AND GRUBBING REQ'D

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING CONCRETE BARRIER
- REMOVING FENCE
- REMOVING CABLE GUARD
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS
- REMOVING INLETS

ALLIANT ENERGY

ATC

MATCH LINE 2070+40

MATCH LINE 2085+40

IH 39 SB

IH 39 NB

18"CPRC

2072 2074 2076 2078 2080 2082 2084

18"CPRC

SLOPE INTERCEPT (TYP)

CAUTION

ATC TOWER

ATC

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

CAUTION

ATC

ALLIANT ENERGY (20" HIGH PRESSURE, STEEL)

CAUTION
ATC
(345kV)

STA 2074+00, RT TO STA 2079+00, RT
CLEARING AND GRUBBING REQ'D

STA 2080+00, RT TO STA 2081+00, RT
CLEARING AND GRUBBING REQ'D

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 05 OF 09	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021100_RM (REMOVAL PLAN).DWG PLOT DATE : 10/10/2017 3:38 PM PLOT BY : SEH LAYOUT NAME : 05 PLOT SCALE : 1.0 IN = 100.0 FT WISDOT/CADDS SHEET 42

2

2

MATCH LINE 2085+40

MATCH LINE 2100+40

IH 39 SB

IH 39 NB

2086 2088 2090 2092 2094 2096 2098 2100

8"CPCS

24"CPCS

TLE (TYP)

N

SLOPE INTERCEPT (TYP)

ATC TOWER

CAUTION
ATC
(345kV)

ATC

EXISTING R/W (TYP)

ATC TOWER

STA 2085+00, RT TO STA 2088+00, RT
CLEARING AND GRUBBING REQ'D

HO

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING CONCRETE BARRIER
- REMOVING FENCE
- REMOVING CABLE GUARD
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS
- REMOVING INLETS

MATCH LINE 2100+40

MATCH LINE 2115+40

IH 39 SB

IH 39 NB

2102 2104 2106 2108 2110 2112 2114

48"CPCS

48"CPCS

24"CPCS

N

ATC

ATC TOWER

CAUTION
ATC
(345kV)

SLOPE INTERCEPT (TYP)

ATC TOWER

EXISTING BILL
BOARD TO REMAIN

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

STA 2106+00, RT TO STA 2109+00, RT
CLEARING AND GRUBBING REQ'D

ATC TOWER
AT&T
ALLIANT ENERGY

48"CPCS

48"CPCS

STA 2113+00, RT TO STA 2115+00, RT
CLEARING AND GRUBBING REQ'D

HO

PROJECT NO:1007-11-71	HWY:IH 39	COUNTY:DANE	REMOVAL PLAN	PAGE 06 OF 09	SHEET 40	E

FILE NAME : 021100_RM (REMOVAL PLAN).DWG | PLOT DATE : 10/10/2017 3:38 PM | PLOT BY : SEH | LAYOUT NAME : 06 | PLOT SCALE : 1.0 IN = 100.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

2

B-13-146
EXISTING

DROTNING RD

PLE (TYP)

MATCH LINE 2115+40

B-13-147
EXISTING

IH 39 SB

2116

2118

2120

2122

2124

2126

2128

7.5'(W)x8.5'(H)"BOX
C-13-55

18"CSXT"LINER

IH 39 NB

DROTNING RD

REMOVING OLD STRUCTURE
(SEE STRUCTURE PLAN, B-13-717)

REMOVING OLD STRUCTURE
(SEE STRUCTURE PLAN, C-13-3083, STAGE 1)

MATCH LINE 2130+00

ATC

EXISTING BILL
BOARD TO REMAIN

CAUTION
ATC
(345kV)

EXISTING R/W (TYP)

ATC TOWER

PROPOSED R/W (TYP)

STA 2124+00, RT TO STA 2138+00, RT
CLEARING AND GRUBBING REQ'D

SLOPE INTERCEPT (TYP)

N

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING CONCRETE BARRIER
- REMOVING FENCE
- REMOVING CABLE GUARD
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS
- REMOVING INLETS

MATCH LINE 2130+00

18"CPRC

IH 39 SB

2132

2134

2136

2138

2140

2142

2144

IH 39 NB

MATCH LINE 2145+00

CAUTION
ATC
(345kV)

ATC TOWER

SLOPE INTERCEPT (TYP)

ATC

ATC TOWER

PROPOSED R/W (TYP)

ATC TOWER

EXISTING R/W (TYP)

STA 2124+00, RT TO STA 2138+00, RT
CLEARING AND GRUBBING REQ'D

STA 2139+00, RT TO STA 2141+00, RT
CLEARING AND GRUBBING REQ'D

STA 2143+00, RT TO STA 2145+00, RT
CLEARING AND GRUBBING REQ'D

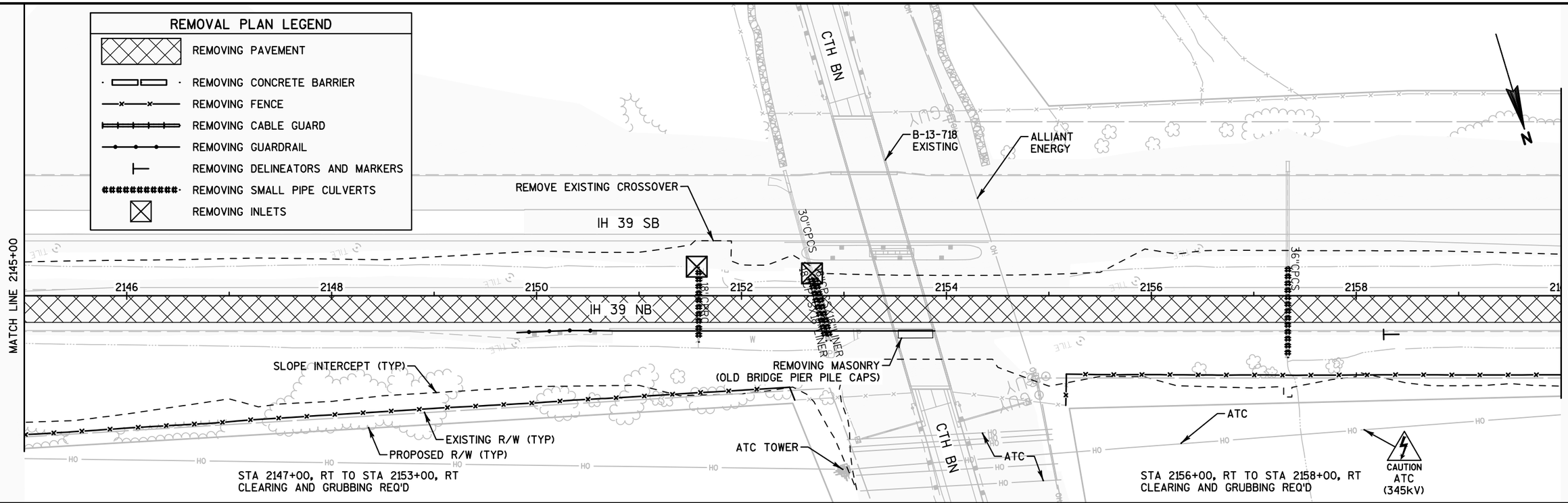
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 07 OF 09	SHEET	E

SAVE FOLDER PATH: P:\VE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021100_RM (REMOVAL PLAN).DWG
PLOT DATE : 10/10/2017 3:39 PM
PLOT BY : SEH
LAYOUT NAME : 07
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING CONCRETE BARRIER
- REMOVING FENCE
- REMOVING CABLE GUARD
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS
- REMOVING INLETS



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 08 OF 09	SHEET 42	E

FILE NAME : 021100_RM (REMOVAL PLAN).DWG | PLOT DATE : 10/10/2017 3:40 PM | PLOT BY : SEH | LAYOUT NAME : 08 | PLOT SCALE : 1.0 IN = 100.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

2

TLE (TYP)

PLE (TYP)

N

B-13-719
EXISTING

IH 39 SB

18"CPRC

7.0'(W)x8.0'(H) BOX
C-13-553

MATCH LINE 2175+00

2176 2178 2180 2182 2184 2186 2188

IH 39 NB

MATCH LINE 2190+00

R-13-258
EXISTING

CHURCH ST

REMOVING MASONRY
(OLD BRIDGE PIER PILE CAPS)

SLOPE INTERCEPT (TYP)

CAUTION
ATC
(345KV)

ATC

REMOVING OLD STRUCTURE
(SEE STRUCTURE PLAN, C-13-3084)

ATC

ALLIANT
ENERGY

AT&T

ATC TOWER

PROPOSED R/W (TYP)

ATC TOWER

EXISTING R/W (TYP)

STA 2177+00, RT TO STA 2179+00, RT
CLEARING AND GRUBBING REQ'D

30"CPSP

IH 39 SB

N

2204

2202

2200

2198

2196

2194

2192

90

MATCH LINE 2190+00

IH 39 NB

30"CPCS

EXISTING R/W (TYP)

SLOPE INTERCEPT (TYP)

ATC TOWER

END PROJECT 1007-11-71
BEGIN PROJECT 1007-11-76
STA 2195+00

CAUTION
ATC
(345kV)

ATC

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING CONCRETE BARRIER
- REMOVING FENCE
- REMOVING CABLE GUARD
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS
- REMOVING INLETS

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 09 OF 09	SHEET	E

FILE NAME : 021100_RM (REMOVAL PLAN).DWG | PLOT DATE : 10/10/2017 3:40 PM | PLOT BY : SEH | LAYOUT NAME : 09 | PLOT SCALE : 1.0 IN = 100.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

2

ALLIANT ENERGY

EXISTING RW (TYP)

SIGN

N

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
SW01	SAWING ASPHALT
SW02	SAWING CONCRETE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

B-13-710

IH 39 SB

℄ 'X279'

1932'X279'
1932'TSB2'
1933'X279'
1933'TSB2'
1934'X279'
1934'TSB2'
1935'X279'
1935'TSB2'
1936'X279'
1936'TSB2'
1937'X279'
1937'TSB2'

SLOPE INTERCEPT (TYP)

1933+80.76
21.13'LT

AG01

SW02

1934+85.34
14.00'LT

1934+29.86
12.00'LT

SW01

℄

B-13-711

1932
1933
1934
1935
1936
1937

IH 39 NB

BEGIN CONSTRUCTION
STA 1933+80.76, 12.00'LT

MATCH LINE 1937+30

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 01 OF 49	SHEET 44	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG | PLOT DATE : 10/9/2017 5:34 PM | PLOT BY : SEH | LAYOUT NAME : 01 | PLOT SCALE : 1.0 IN = 40.0 FT

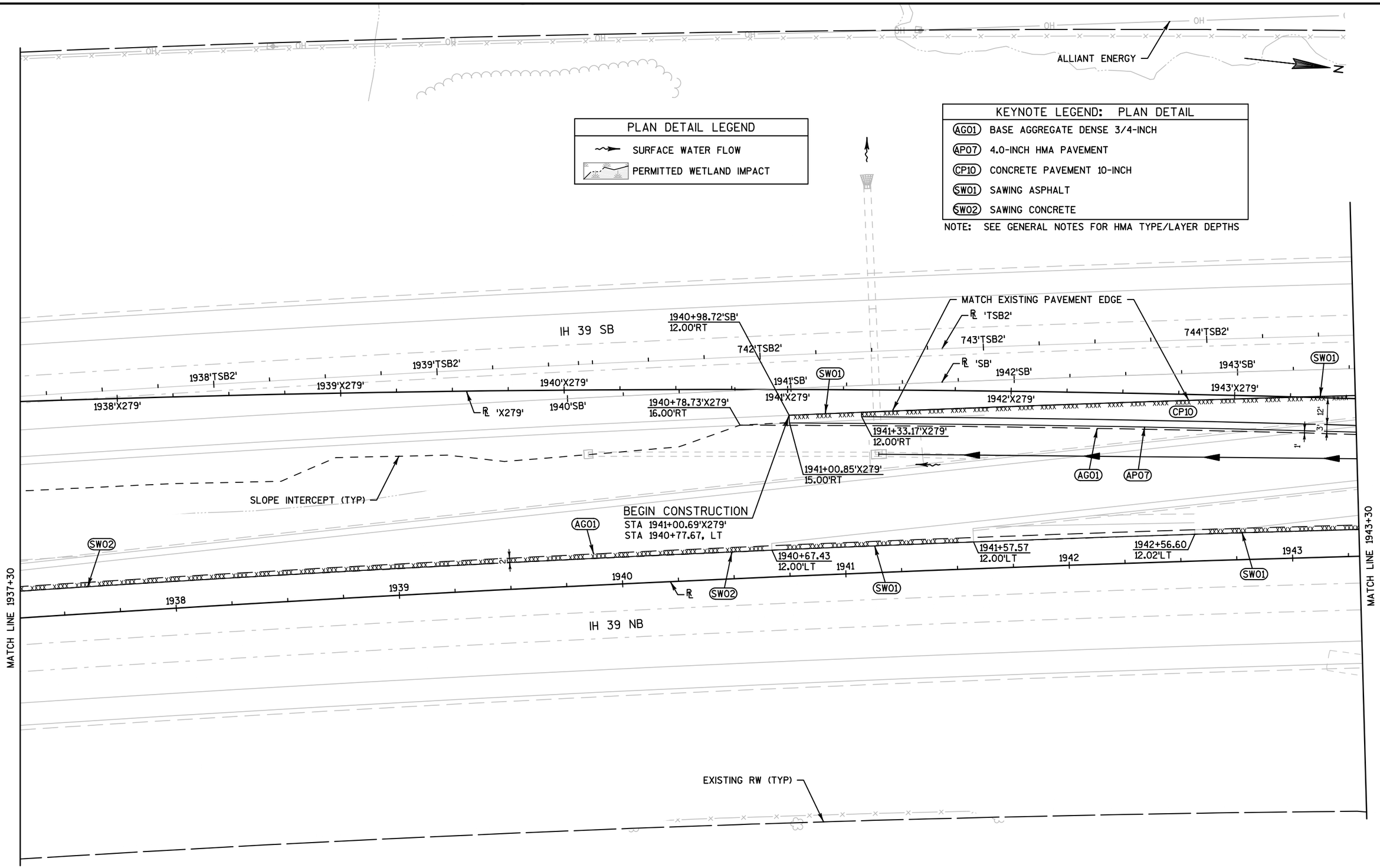
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007

2

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
SW01	SAWING ASPHALT
SW02	SAWING CONCRETE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 02 OF 49	SHEET 45	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG | PLOT DATE : 10/9/2017 5:34 PM | PLOT BY : SEH | LAYOUT NAME : 02 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007

2

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

MATCH LINE 1943+30

MATCH LINE 1949+30

1944+82.30'SB'
12.00'RT

MATCH EXISTING PAVEMENT EDGE

1947+21.03'SB'
12.00'RT

1948+00.00'SB'
12.00'RT

745'TSB2'

746'TSB2'

747'TSB2'

IH 39 SB

748'TSB2'

749'TSB2'

750'TSB2'

SW01

1944'SB'

SW01

1945'SB'

SW02

1945+60.28'X279'
12.00'LT

1946'SB'

℄ 'TSB2'

℄ 'SB'

1947'SB'

SW02

1947+10.30'X279'
18.50'LT

SW01

1948'SB'

749+13.95'TSB2'
26.03'RT

750+00.00'TSB2'
26.73'RT

SW01

AP07

AP07

1944'X279'

1945'X279'

1946'X279'

℄ 'X279'

1947'X279'

1948'X279'

1949+33.09'X279'
15.00'RT

CP10

6.5'

12'

12'

3'

1'

1945+35.76
70.00'LT

AG01

AP07

AG01

SW02

AG01

AP07

SW02

1946+39.66
12.00'LT

1947+53.72
12.00'LT

1943+55.65
12.00'LT

1944

1945

1946

1947

1948

1949

1949+05.20
12.00'LT

SW01

SW01

℄

IH 39 NB

CP13

CP05

CP05

CP05

CP13

12'

12'

14'

10'

2'

2'

AG01

BEGIN PROJECT 1007-11-71
END PROJECT 1007-11-75
STA 1948+00.00
MATCH EXISTING PAVEMENT
Y=440,119.542
X=897,743.839

NOTE, PROJECT 1007-11-75
CONSTRUCTED BY OTHERS

SLOPE INTERCEPT (TYP)

EXISTING RW (TYP)

PLAN DETAIL LEGEND

~~	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

NOTE, EXISTING ROW FENCE BEYOND PROPOSED ROW FENCE TO REMAIN IN PLACE STA 1948+48 TO 1969+45, RT

BEGIN CONSTRUCTION FENCE WOVEN WIRE 4-FOOT STA 1948+00

1948+00.00
213.89'RT

1948+48.46
215.90'RT

ITS

PROPOSED RW (TYP)

MATCH EXISTING FENCE INSTALLED UNDER PROJECT 1007-11-75

FE01

3' (TYP)

END FENCE REMOVAL STA 1948+50

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP10	CONCRETE PAVEMENT 10-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
SW01	SAWING ASPHALT
SW02	SAWING CONCRETE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

2

N

751'TSB2' 752'TSB2' 753'TSB2' 754'TSB2' 755'TSB2' 756'TSB2'

751+00.00'TSB2' 27.71'RT
751+74.80'TSB2' 28.87'RT
753+00.00'TSB2' 31.69'RT
754+00.00'TSB2' 34.74'RT
754+40.70'TSB2' 36.18'RT
755+00.00'TSB2' 38.56'RT
756+00.00'TSB2' 41.90'RT
756+51.56'TSB2' 42.74'RT

SW01 SW02

IH 39 SB

1950'X279'
1950+40.48'X279' 12.00'RT
1950+12.56 12.00'LT
1951'X279'
1952'X279'
1953'X279'
1954'X279'
1955'X279'
1954+09.20'X279' 12.00'LT
1953+81.98 12.00'LT

AP07 CP10 CP13 CP05 AG01

ENC=-2.00% 1952+11.83
LC=0.00% 1953+31.93

6.5' 12' 12'

1950 1951 1952 1953 1954 1955

CP13	12'	951.76	952.33	952.91	953.48	954.05	954.62	955.19	955.76	956.34	956.91	957.48	958.05	958.62
		952			953'X279'		953		954'X279'	954			955	
CP05	12'	952.24	952.81	953.39	953.96	954.53	955.10	955.67	956.24	956.82	957.39	957.96	958.53	959.10
		952.48	953.05	953.63	954.20	954.77	955.34	955.91	956.48	957.06	957.63	958.20	958.82	959.44
CP05	12'	952.24	952.84	953.46	954.08	954.71	955.33	955.95	956.57	957.19	957.81	958.44	959.10	959.78
CP05	14'	951.96	952.59	953.27	953.95	954.63	CP05 CP05 955.31	955.99	956.67	957.35	958.03	958.71	959.44	960.17
CP13	10'	951.56	952.23	953.00	953.76	954.52	CP13 CP05 955.29	956.02	956.74	957.46	958.19	958.91	959.68	960.45
	2'													

IH 39 NB

MATCH LINE 1949+30

MATCH LINE 1955+25

REMOVE EXISTING ACCESS

SLOPE INTERCEPT (TYP)

1951+00.00
150.00'RT

FE01

ITS

NOTE, EXISTING ROW FENCE BEYOND PROPOSED ROW FENCE TO REMAIN IN PLACE STA 1948+48 TO 1969+45, RT

PLAN DETAIL LEGEND

- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP10	CONCRETE PAVEMENT 10-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
SW01	SAWING ASPHALT
SW02	SAWING CONCRETE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

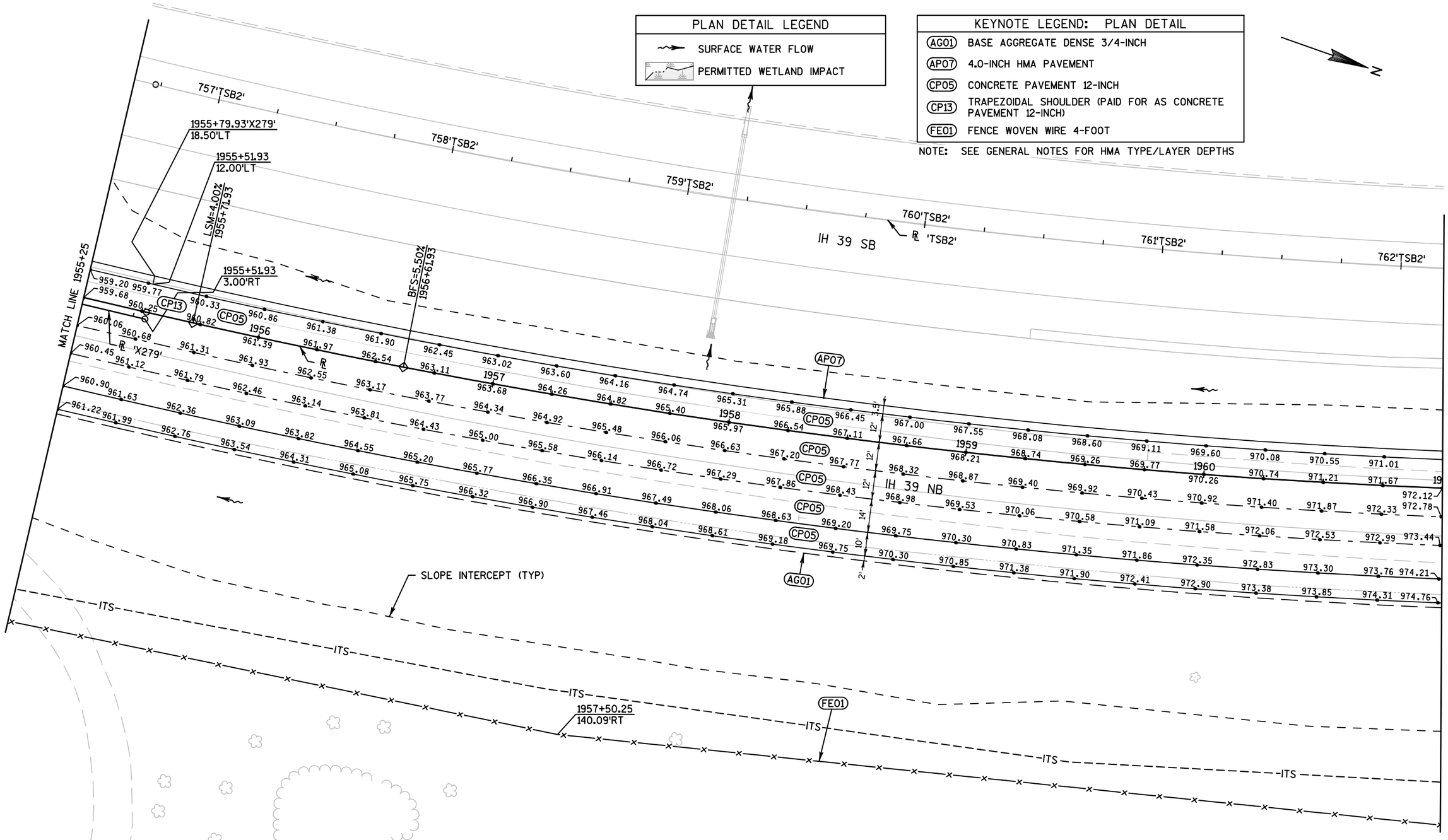
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007171\SEC 02 TYPICAL SECTIONS & DETAILS

2

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS



NOTE, EXISTING ROW FENCE BEYOND PROPOSED ROW FENCE TO REMAIN IN PLACE STA 1948+48 TO 1969+45, RT

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 05 OF 49	SHEET 48	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG | PLOT DATE : 10/9/2017 5:35 PM | PLOT BY : SEH | LAYOUT NAME : 05 | PLOT SCALE : 1.0 IN = 40.0 FT

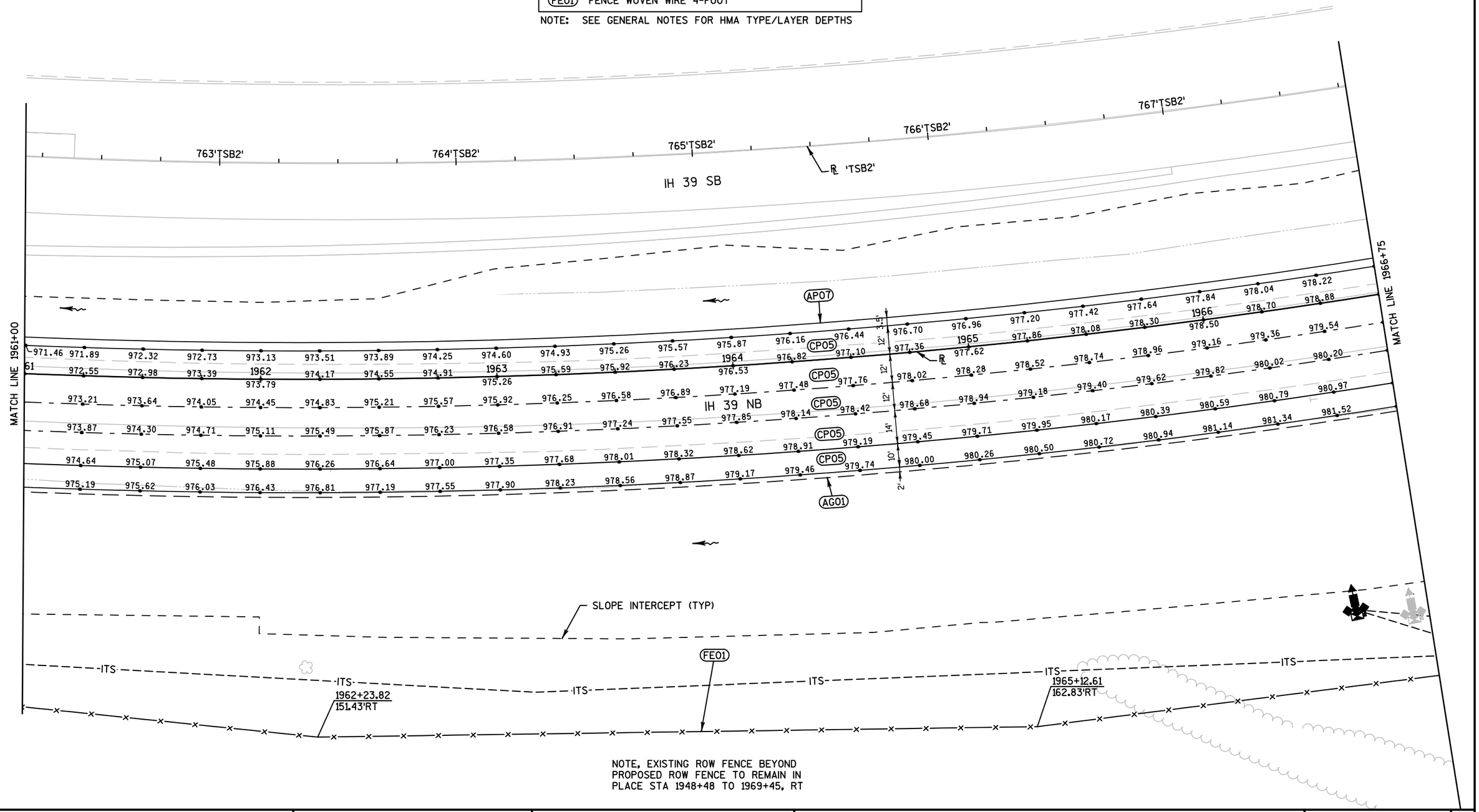
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007101\SEC 02 TYPICAL SECTIONS & DETAILS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 06 OF 49	SHEET 49	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007101 AN1007171\SEC 02 TYPICAL SECTIONS & DETAILS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CP05	CONCRETE PAVEMENT 12-INCH
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

N

768'TSB2'
769'TSB2'
769+00.00'TSB2'
29.00'RT
770'TSB2'
771'TSB2'
772'TSB2'
IH 39 SB
'TSB2'
CB98 (PINNED)
29'
AP07
MATCH LINE 1966+75
978.38 978.54 978.68 978.81 978.93 979.04 979.13 979.22 979.31 979.39 979.48 979.56 979.65 979.73 979.83 979.91 980.00 980.08 980.17 980.25 980.34
979.04 1967 979.20 979.34 979.47 979.59 1968 979.70 979.79 979.88 979.97 1969 980.05 980.14 980.22 980.31 1970 980.39 980.49 980.57 980.66 1971 980.74 980.83 980.91 981.00 19
979.70 979.86 980.00 980.13 980.25 980.36 980.45 980.54 980.63 980.71 980.80 980.88 980.97 981.05 981.15 981.23 981.32 981.40 981.49 981.57 981.66 981.74
980.36 980.52 980.66 980.79 980.91 981.02 981.11 981.20 981.29 981.37 981.46 981.54 981.63 981.71 981.81 981.89 981.98 982.06 982.15 982.23 982.32 982.40
981.13 981.29 981.43 981.56 981.68 981.79 981.88 981.97 982.06 982.14 982.23 982.31 982.40 982.48 982.58 982.66 982.75 982.83 982.92 983.00 983.09 983.17
981.68 981.84 981.98 982.11 982.23 982.34 982.43 982.52 982.61 982.69 982.78 982.86 982.95 983.03 983.13 983.21 983.30 983.38 983.47 983.55 983.64 983.72
CP05
AG01
12'
14'
10'
2'
MATCH LINE 1972+00
WISDOT ITS (PROJECT 1007-10-70)
V
ITS
SLOPE INTERCEPT (TYP)
1968+00.07
170.23'RT
ALLIANT
FE01
1969+44.81
161.92'RT
1970+89.77
139.79'RT
3'
(TYP)
CAUTION
CAUTION
EXISTING RW (TYP)
PROPOSED RW (TYP)
NOTE, EXISTING ROW FENCE BEYOND PROPOSED ROW FENCE TO REMAIN IN PLACE STA 1948+48 TO 1969+45, RT

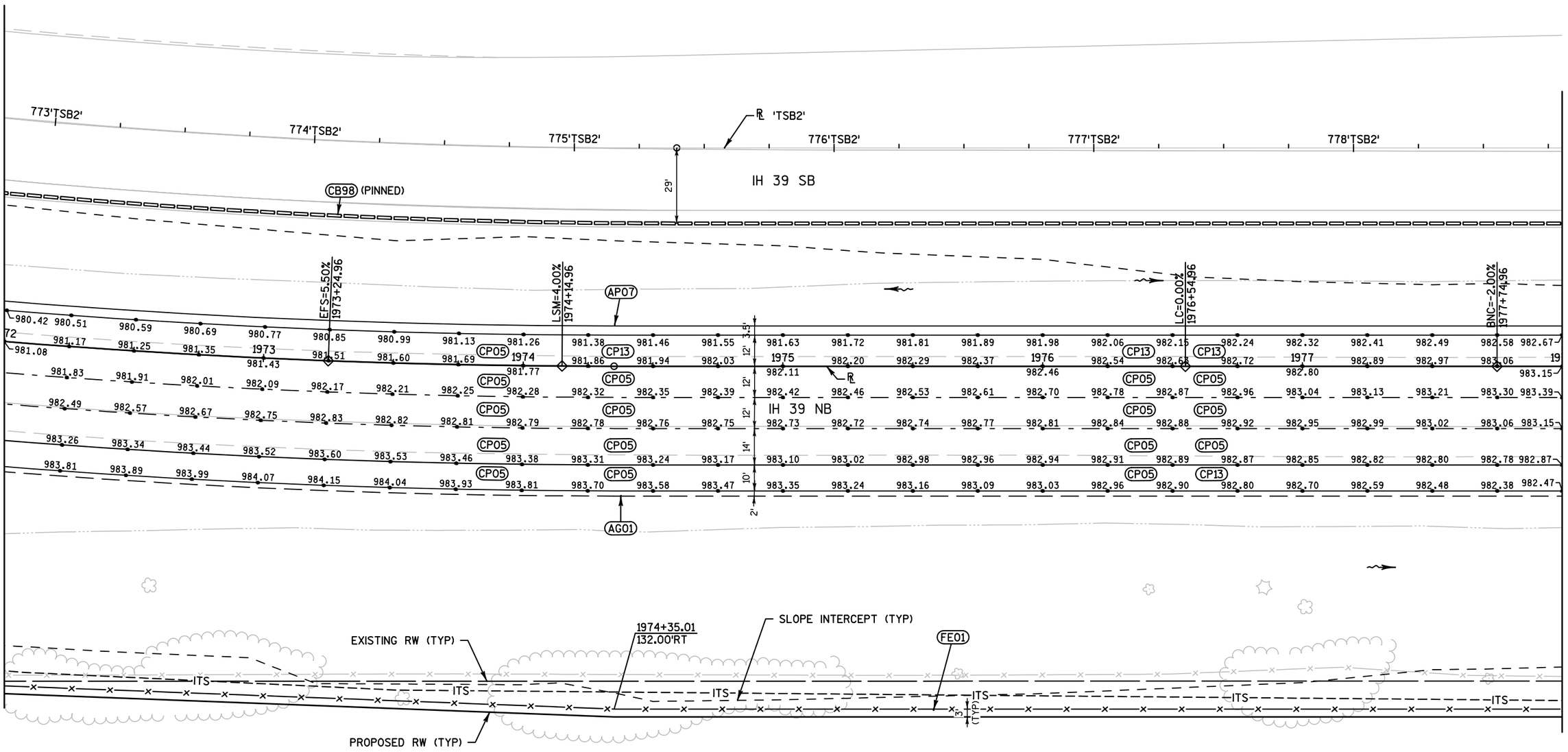
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 07 OF 49	SHEET 50	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 08 OF 49	SHEET 51	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG | PLOT DATE : 10/9/2017 5:36 PM | PLOT BY : SEH | LAYOUT NAME : 08 | PLOT SCALE : 1.0 IN = 40.0 FT

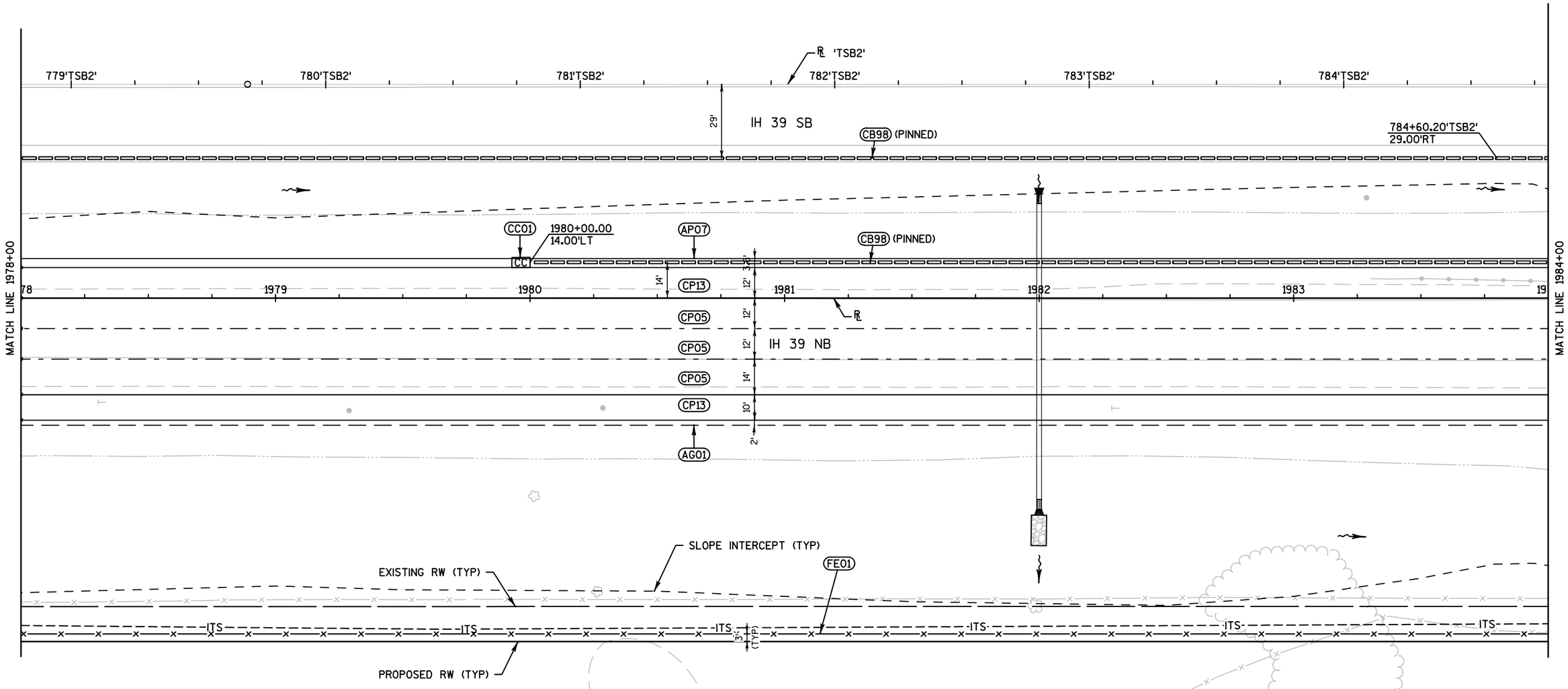
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007171\SEC 02 TYPICAL SECTIONS & DETAILS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CC01	CRASH CUSHIONS PERMANENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 09 OF 49	SHEET 52	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:36 PM PLOT BY : SEH LAYOUT NAME : 09 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CC01	CRASH CUSHIONS PERMANENT

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

TRANSITION TO TIED-DOWN SYSTEM SEE SDD, "CONCRETE BARRIER TEMPORARY PRECAST" (CURB PORTION OF CONCRETE SURFACE DRAINS NOT REQUIRED)

MATCH LINE 1984+00

MATCH LINE 1990+00

785'TSB2' 786'TSB2' 787'TSB2' 788'TSB2' 789'TSB2' 790'TSB2'

℄ 'TSB2'

VARIES 29.0'-27.4'

IH 39 SB

IH 39 NB

787+90.13'TSB2' 28.60'RT

789+27.06'TSB2' 29.00'RT

CB98 (PINNED)

AP07

CP13 14' 12' 3.5'

CP05 12'

CP05 12'

CP05 14'

CP13 10'

3.5' 0.5'

1984+65.53 48.00'RT

1984+59.35 50.00'RT

1985+48.01 52.00'RT

1985+73.01 50.00'RT

CC

CC01

1985+48.01 53.50'RT

1985+48.46 55.94'RT

1985+73.07 51.50'RT

1985+73.44 53.33'RT

1985+98.62 51.94'RT

CB98

AP07

AG01

1986+00.09 132.00'RT

SLOPE INTERCEPT (TYP)

EXISTING RW (TYP)

PROPOSED RW (TYP)

FE01

ITS

3' (TYP)

1988+13.21 145.50'RT

53+69.53'B' 54.90'RT

1988+79.82 38.00'RT

1988+63.93 45.00'RT

PV01

PV11

1988+85.51 48.00'RT

1988+60.51 50.00'RT

1988+73.01 48.86'RT

1988+85.51 48.86'RT

1988+92.75 62.54'RT

1988+92.76 38.00'RT

52+54.12'B' 54.90'RT

1989+17.45 14.00'LT

1989+20.87 9.00'LT

1989+29.95 13.00'LT

1989+42.45 13.00'LT

1989+28.82 0.00'

CTH B

52+80.14'B' 54.90'LT

1989+54.48 157.00'RT

FRONTIER COM

ALLIANT ENERGY

NOTE: SEE PAGE 46 OF 49 FOR CTH B DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
PV01	CONCRETE PAVEMENT APPROACH SLAB
PV11	CONCRETE SURFACE DRAINS

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 10 OF 49	SHEET 53	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 11/1/2017 12:20 PM PLOT BY : SEH LAYOUT NAME : 10 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

NOTE: SEE PAGE 46 OF 49 FOR CTH B DETAILS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
PV01	CONCRETE PAVEMENT APPROACH SLAB

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

CTH B

FRONTIER COM

ALLIANT ENERGY

B-13-164 EXISTING

DELINEATED WETLAND (TYP)

IH 39 SB

IH 39 NB

791'TSB2'

792'TSB2'

793'TSB2'

794'TSB2'

795'TSB2'

796'TSB2'

790+84.74'TSB2'
27.44'RT

1991+35.89
15.50'LT

1991+26.74
0.00'

1991+38.13
12.00'LT

1990+90.68
38.00'RT

1991+39.68
38.00'RT

1990+81.19
48.00'RT

B-13-713

51+51.81'B'
54.90'LT

1990+42.82
63.91'RT

MATCH LINE 1990+00

MATCH LINE 1996+00

1991

1992

1993

1994

1995

AP07

CP13

CP05

AG01

PV01

FE01

3.5'

12'

14'

10'

2'

EXISTING RW (TYP)

SLOPE INTERCEPT (TYP)

PROPOSED RW (TYP)

ITS

1994+99.97
157.00'RT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007171\SEC 02 TYPICAL SECTIONS & DETAILS

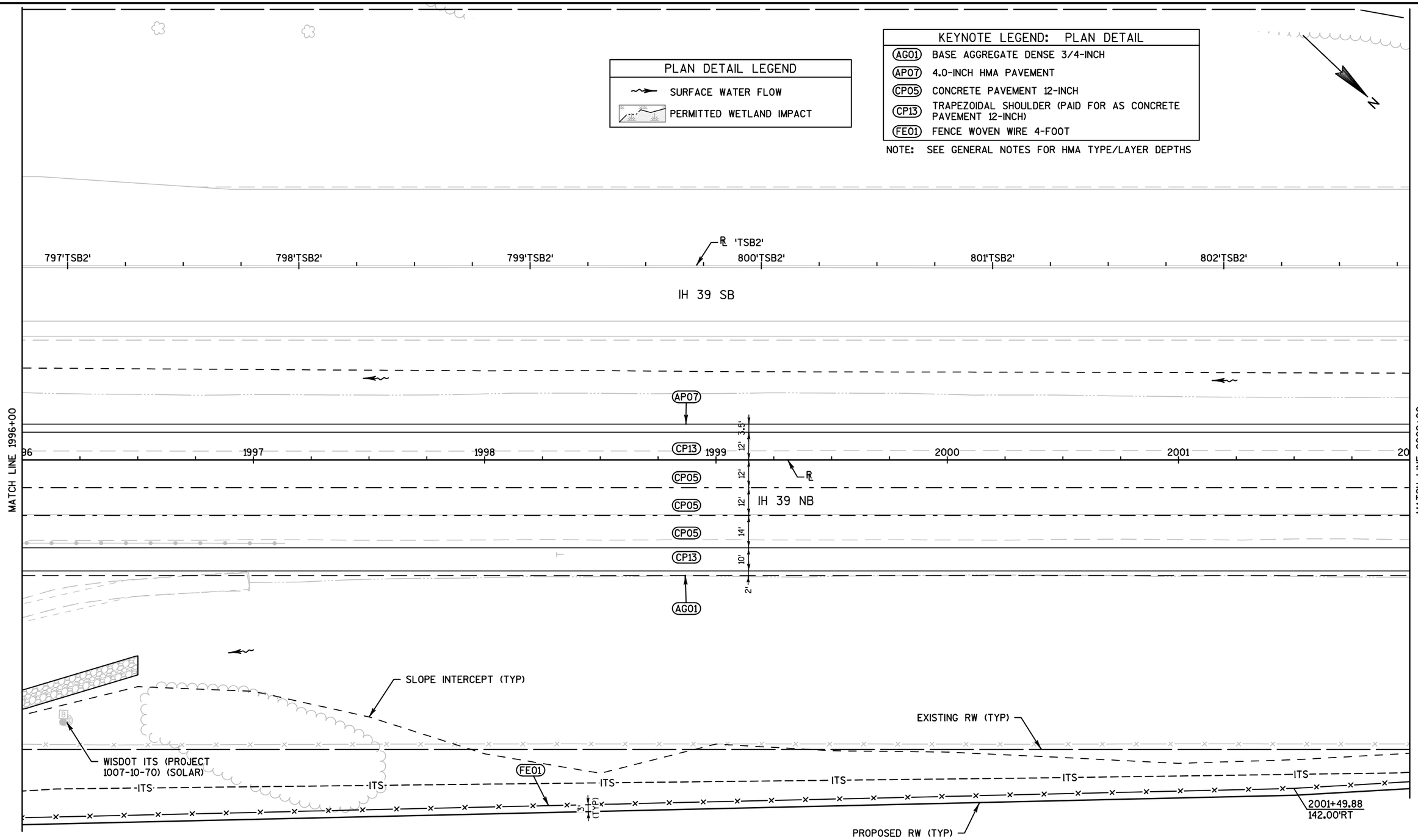
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 11 OF 49	SHEET 54	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:36 PM PLOT BY : SEH LAYOUT NAME : 11 PLOT SCALE : 1.0 IN = 40.0 FT

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS



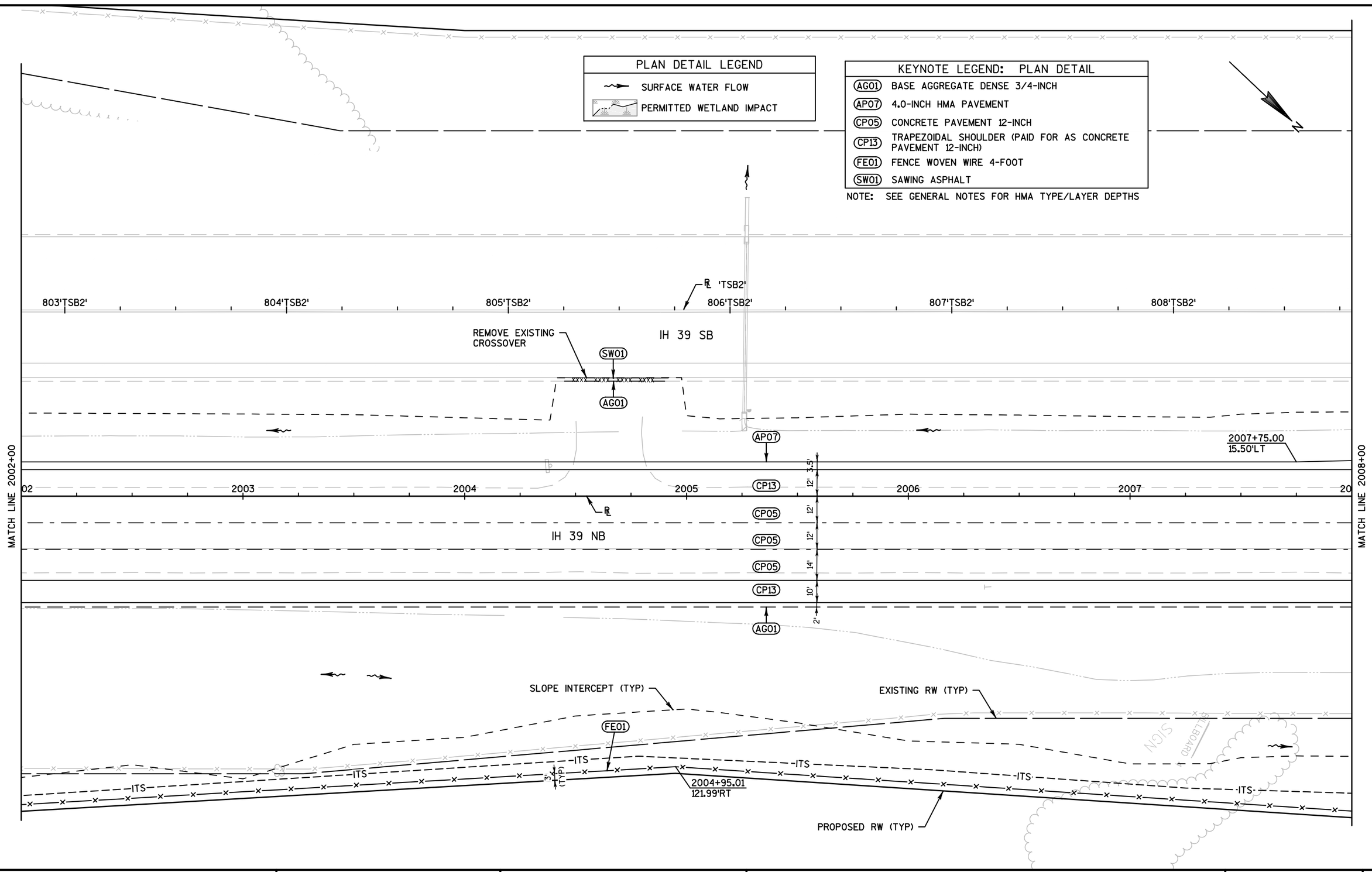
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 12 OF 49	SHEET 55	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I171\SEC 02 TYPICAL SECTIONS & DETAILS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 13 OF 49	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:37 PM PLOT BY : SEH LAYOUT NAME : 13 PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007171\SEC 02 TYPICAL SECTIONS & DETAILS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLE (TYP)

N

℄ 'TSB2'

809'TSB2' 810'TSB2' 811'TSB2' 812'TSB2' 813'TSB2' 814'TSB2'

IH 39 SB

FUTURE TEMPORARY EMERGENCY PULLOUT

2013+00.00
27.50'LT

MATCH LINE 2008+00

2008 2009 2010 2011 2012 2013 2014

MATCH LINE 2014+00

AP07 VARIES 3.5'-15.5'

CP13 12'

CP05 12'

CP05 12'

CP05 14'

CP13 10'

2'

15.5'

12'

AG01

℄

IH 39 NB

SLOPE INTERCEPT (TYP)

2008+00.10
142.00'RT

2010+89.85
142.00'RT

FE01

ITS

V

3' (TYP)

EXISTING RW (TYP)

PROPOSED RW (TYP)

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 14 OF 49	SHEET 57	E

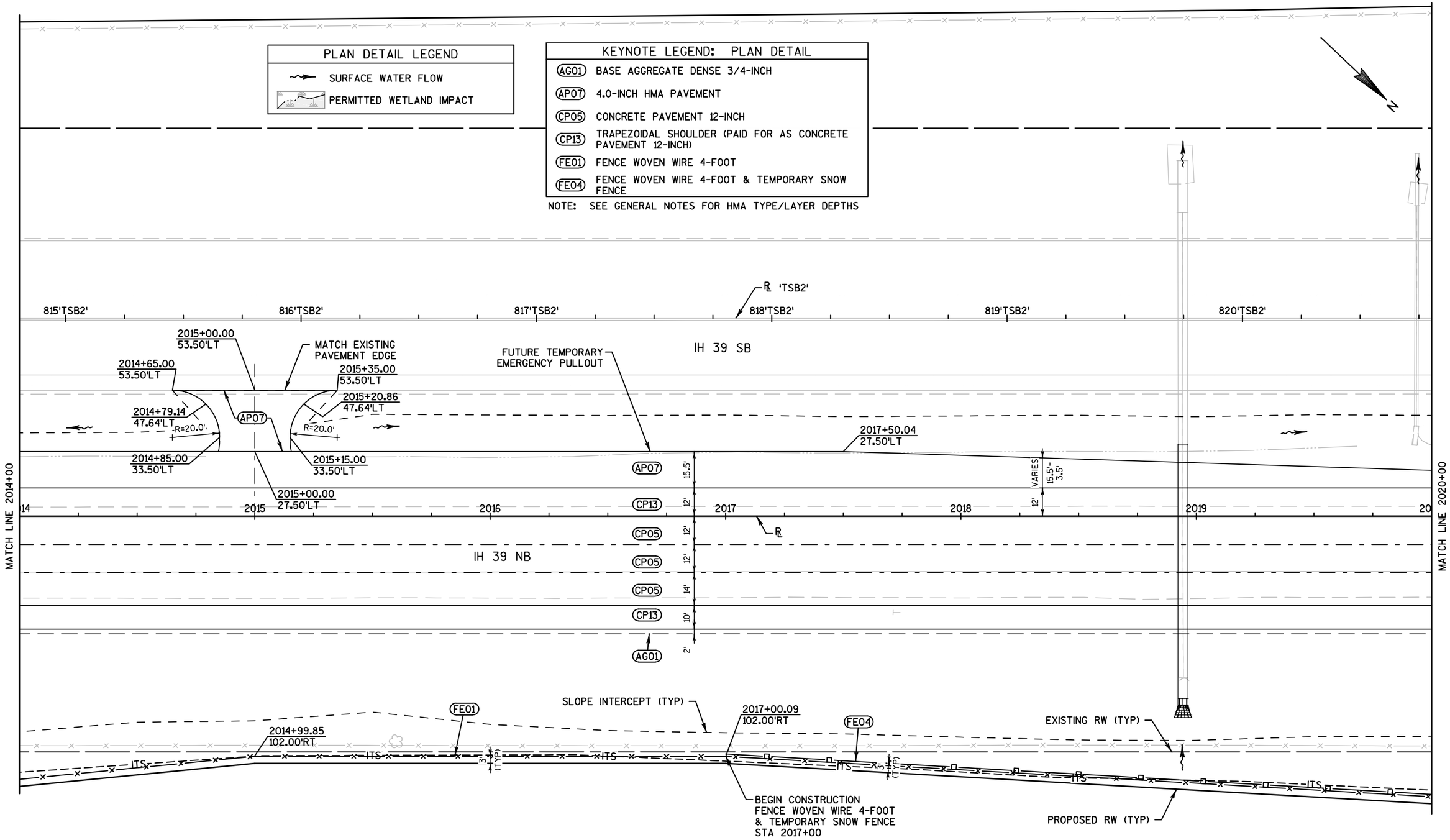
FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:37 PM PLOT BY : SEH LAYOUT NAME : 14 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 15 OF 49	SHEET 58	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG | PLOT DATE : 10/9/2017 5:37 PM | PLOT BY : SEH | LAYOUT NAME : 15 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

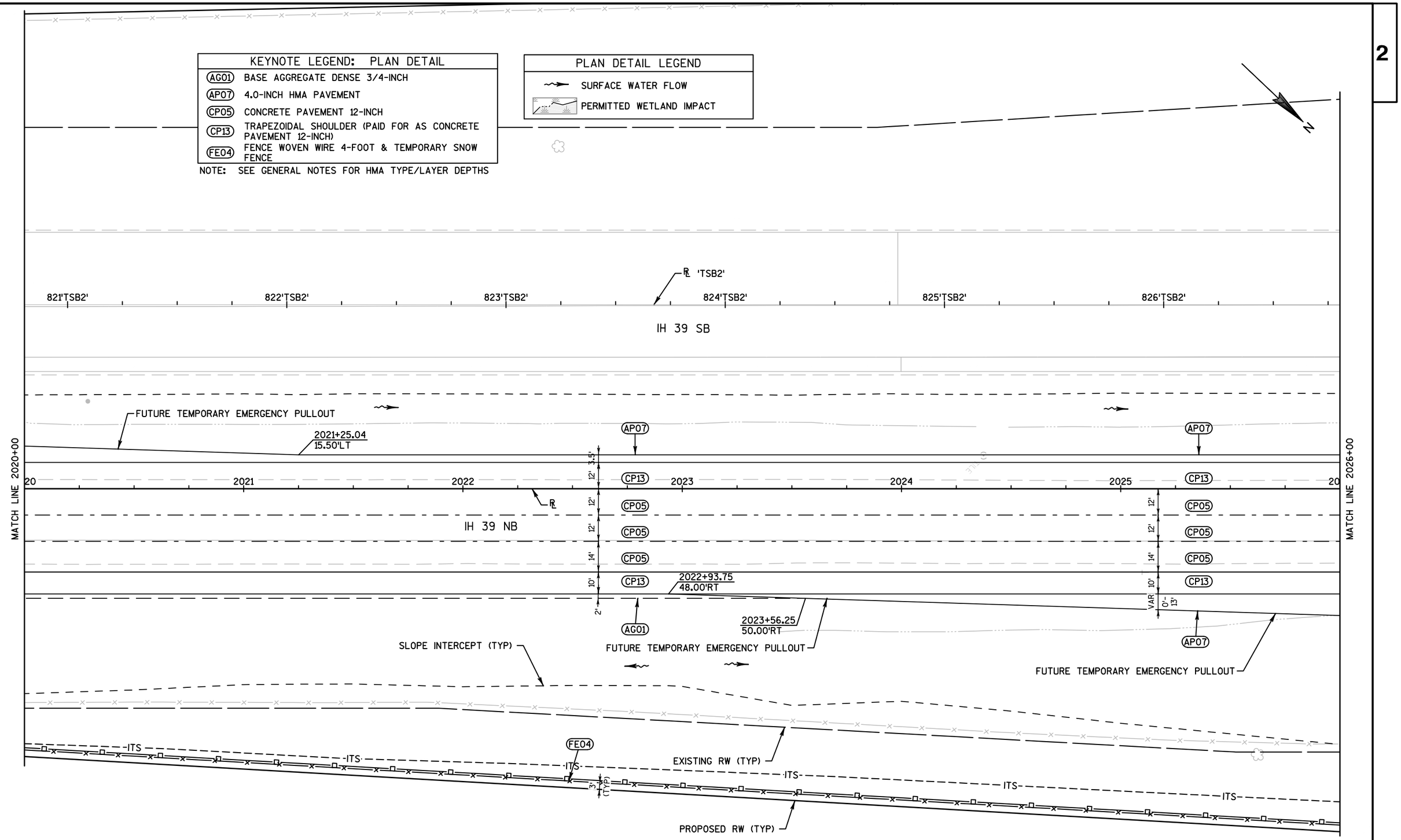
KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

SURFACE WATER FLOW

PERMITTED WETLAND IMPACT



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 16 OF 49	SHEET 59	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG | PLOT DATE : 10/9/2017 5:38 PM | PLOT BY : SEH | LAYOUT NAME : 16 | PLOT SCALE : 1.0 IN = 40.0 FT

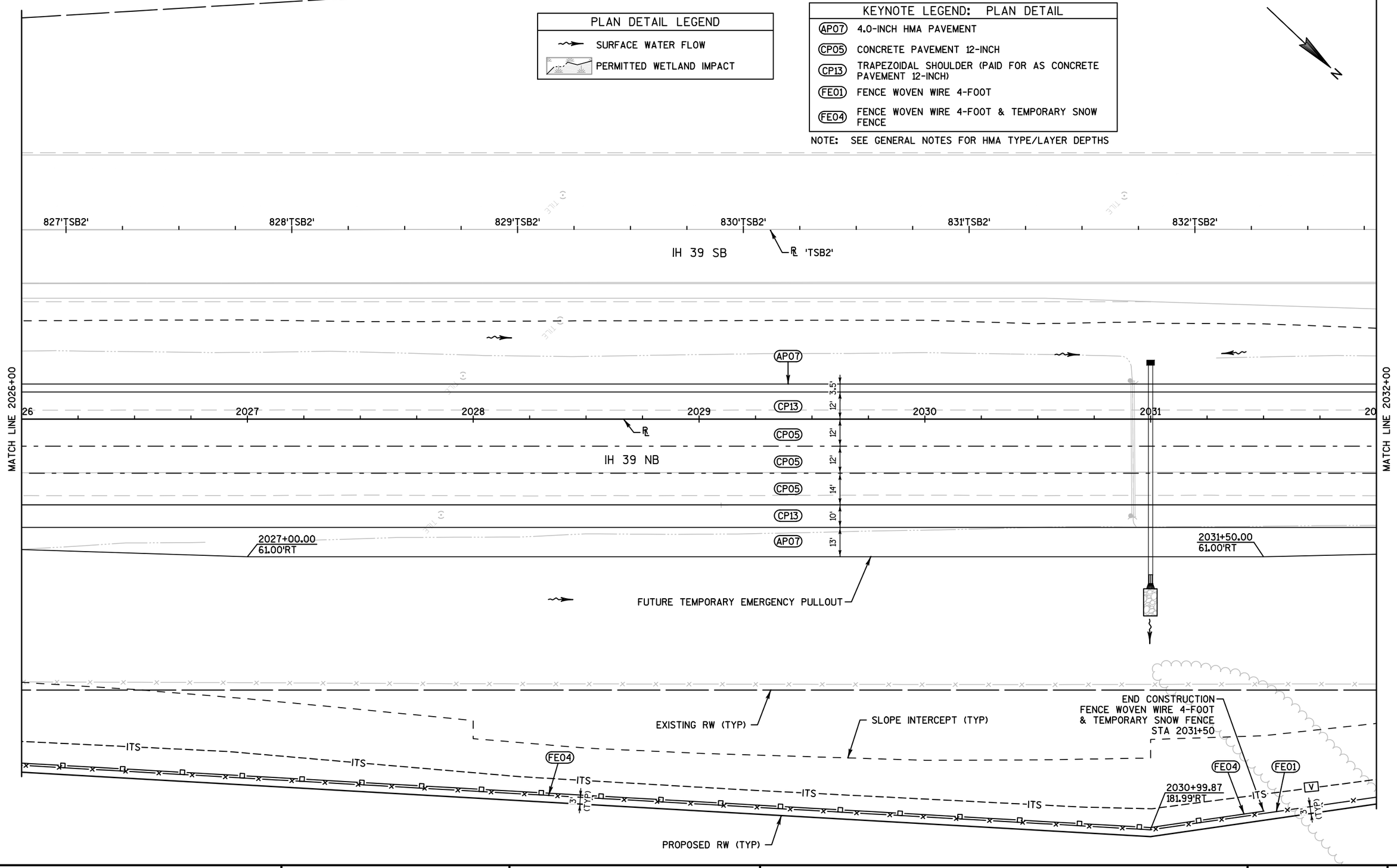
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 17 OF 49	SHEET 60	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG | PLOT DATE : 10/9/2017 5:38 PM | PLOT BY : SEH | LAYOUT NAME : 17 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

N

833'TSB2'

834'TSB2'

835'TSB2'

℄ 'TSB2'

836'TSB2'

837'TSB2'

838'TSB2'

IH 39 SB

MATCH LINE 2032+00

MATCH LINE 2038+00

2032

2033

2034

2035

2036

2037

2038

AP07

CP13

CP05

CP05

CP05

CP13

AP07

℄

IH 39 NB

12' 3.5'

12'

12'

14'

10'

VAR 13'-0"

12' 3.5'

12'

12'

14'

10'

2'

2037+18.75
48.00'RT

2036+31.25
50.00'RT

FUTURE TEMPORARY EMERGENCY PULLOUT

SLOPE INTERCEPT (TYP)

2035+49.78
117.06'RT

FE01

ITS

EXISTING RW (TYP)

PROPOSED RW (TYP)

3' (TYP)

KEYNOTE LEGEND: PLAN DETAIL	
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

SURFACE WATER FLOW

PERMITTED WETLAND IMPACT

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 18 OF 49	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117I\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:38 PM PLOT BY : SEH LAYOUT NAME : 18 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
GA03	EMERGENCY ACCESS GATE 20-FT (SEE CONSTRUCTION DETAIL)
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

SURFACE WATER FLOW

PERMITTED WETLAND IMPACT

PROPOSED RW (TYP)

N

839'TSB2' 840'TSB2' 841'TSB2' ℄ 'TSB2' 842'TSB2' 843'TSB2' 844'TSB2'

IH 39 SB

IH 39 NB

MATCH LINE 2038+00

MATCH LINE 2044+00

38 2039 2040 2041 2042 2043 20

AP07 3.5'

CP13 12'

CP05 12'

CP05 12'

CP05 14'

CP13 10'

AG01 2'

℄

SLOPE INTERCEPT (TYP)

FE01

ITS

3' (TYP)

EXISTING RW (TYP)

2043+26.34 48.50'RT

2043+99.55 48.50'RT

2043+84.49 56.11'RT

2043+42.75 57.46'RT

2043+75.92 70.65'RT

R=30.0'

R=30.0'

AP07

2043+50.67 74.39'RT

SW01

1' 12' 1'

2043+54.52 106.18'RT

2043+66.95 106.15'RT

2043+48.60 117.04'RT

GA03

2043+68.60 117.04'RT

2043+76.60 126.42'RT

2043+76.60 117.04'RT

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 19 OF 49	SHEET 62	E

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CC01	CRASH CUSHIONS PERMANENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND
- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

NOTE: SEE PAGE 47 OF 49 FOR SB EMERGENCY ACCESS DETAILS

PROPOSED RW (TYP)

SB EMERGENCY ACCESS

'SBEA' 98+66

'SBEA' 98+86

'SBEA' 100+00

℄ 'SBEA'

℄ 'TSB2'

845'TSB2' 846'TSB2' 847'TSB2' 848'TSB2' 849'TSB2' 850'TSB2'

IH 39 SB

MATCH LINE 2044+00

2044 2045 2046 2047 2048 2049 20

AP07 AG01 CP13 CP05 CP05 CP05 CP13 AG01

3.5' 12' 12' 14' 10' 2'

℄

IH 39 NB

2048+37.83 15.50'LT
2049+29.41 17.33'LT
2049+04.43 19.94'LT
2049+54.39 15.94'LT
2049+03.79 14.00'LT
CC01 CC01

2048+90.38 52.00'RT
2049+15.38 50.00'RT
CC01 CC01
2048+07.88 48.00'RT
2048+01.72 50.00'RT
AP07
2048+90.40 53.50'RT
2048+90.82 55.94'RT
2049+15.44 51.50'RT
2049+15.80 53.33'RT
CB98
2049+40.98 51.94'RT

MATCH LINE 2050+00

SLOPE INTERCEPT (TYP)

ITS ITS ITS ITS ITS ITS

FE01

3' (TYP)

EXISTING RW (TYP)

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 20 OF 49	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:38 PM PLOT BY : SEH LAYOUT NAME : 20 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CC01	CRASH CUSHIONS PERMANENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
PV01	CONCRETE PAVEMENT APPROACH SLAB
PV11	CONCRETE SURFACE DRAINS

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

NOTE: SEE PAGE 48 OF 49 FOR CTH W DETAILS

49'W' CTH W

50'W'

51'W'

52'W'

53'W' CTH W

54'W'

B-13-148 EXISTING

B-13-715

IH 39 SB

IH 39 NB

851'TSB2' 852'TSB2' 853'TSB2' 854'TSB2' 855'TSB2' 856'TSB2'

℄ 'TSB2'

TRANSITION TO TIED-DOWN SYSTEM SEE SDD, "CONCRETE BARRIER TEMPORARY PRECAST" (CURB PORTION OF CONCRETE SURFACE DRAINS NOT REQUIRED)

MATCH LINE 2050+00

MATCH LINE 2056+00

2050 2051 2052 2053 2054 2055 2056

2051+63.96 12.00'LT
2051+53.79 13.00'LT
2051+41.29 14.00'LT
2051+66.21 13.00'LT
2051+76.31 0.00'
2053+84.45 9.00'LT
2052+15.32 38.00'RT
2051+63.46 38.00'RT
2052+52.39 50.90'RT
2052+02.88 50.00'RT
2052+15.38 49.00'RT
2052+27.91 49.00'RT
2052+25.58 48.00'RT
51+35.83'W' 56.00'RT
2053+77.52 0.00'
2054+16.53 38.00'RT
2054+29.38 38.00'RT
2054+46.05 45.00'RT
2054+49.46 50.00'RT
2054+36.96 49.00'RT
2054+24.46 49.00'RT
2054+12.90 50.90'RT
52+50.80'W' 56.00'LT
2055+49.46 50.00'RT
2055+49.46 51.50'RT
2055+48.86 51.93'RT
2055+94.01 50.00'RT
52+44.97'W' 56.00'RT
2053+30.56 127.05'RT
53+59.87'W' 56.00'LT
2054+91.02 127.00'RT

CP13 CP05 AG01 AP07 CB98 PV01 PV11 FE01

SLOPE INTERCEPT (TYP)

EXISTING RW (TYP)

FRONTIER COM

ITS

TRANSITION TO TIED-DOWN SYSTEM SEE SDD, "CONCRETE BARRIER TEMPORARY PRECAST" (CURB PORTION OF CONCRETE SURFACE DRAINS NOT REQUIRED)

NOTE: SEE PAGE 48 OF 49 FOR CTH W DETAILS

PLAN DETAIL LEGEND
SURFACE WATER FLOW
PERMITTED WETLAND IMPACT

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 21 OF 49	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 11/1/2017 12:18 PM PLOT BY : SEH LAYOUT NAME : 21 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

DELINEATED WETLAND (TYP)

PROPOSED RW (TYP)

℄ 'TSB2'

857'TSB2' 858'TSB2' 859'TSB2' 860'TSB2' 861'TSB2' 862'TSB2'

IH 39 SB

MATCH LINE 2056+00

56 2057 2058 2059 2060 2061 20

MATCH LINE 2062+00

AP07

CP13 3.5'

CP05 12'

CP05 12'

CP05 14'

CP13 10'

AG01 2'

℄

IH 39 NB

2056+01.96
48.00'RT

ALLIANT ENERGY

SLOPE INTERCEPT (TYP)

FE01

ITS ITS ITS ITS ITS ITS

3' (TYP)

EXISTING RW (TYP)

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\11919\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 22 OF 49	SHEET 65	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:39 PM PLOT BY : SEH LAYOUT NAME : 22 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

N

863'TSB2' 864'TSB2' 865'TSB2' ℄ 'TSB2' 866'TSB2' 867'TSB2' 868'TSB2'

REMOVE EXISTING CROSSOVER

SW01

AG01

IH 39 SB

FUTURE TEMPORARY EMERGENCY PULLOUT

2066+25.00
15.50'LT

AP07

MATCH LINE 2062+00

62 2063 2064 2065 CP13 12' 3.5' 2066 2067 20

℄

CP05 12'

IH 39 NB

CP05 12'

CP05 14'

CP13 10'

2'

AG01

MATCH LINE 2068+00

SLOPE INTERCEPT (TYP)

FE01

2064+25.05
127.00'RT

2066+70.06
137.00'RT

ITS ITS ITS ITS ITS ITS

3' (TYP)

EXISTING RW (TYP)

PROPOSED RW (TYP)

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 23 OF 49	SHEET 66	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:39 PM PLOT BY : SEH LAYOUT NAME : 23 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

869'TSB2' 870'TSB2' 871'TSB2' ℄ 'TSB2' 872'TSB2' 873'TSB2' 874'TSB2'

IH 39 SB

FUTURE TEMPORARY EMERGENCY PULLOUT

2071+50.00
27.50'LT

MATCH LINE 2068+00

68 2069 2070 2071 ℄ 2072 2073 20

AP07 15.5'
CP13 12'
CP05 12'
IH 39 NB
CP05 12'
CP05 14'
CP13 10'
2'
AG01

MATCH LINE 2074+00

SLOPE INTERCEPT (TYP)

FE01

ITS ITS ITS ITS ITS ITS ITS

EXISTING RW (TYP)

3' (TYP)

PROPOSED RW (TYP)

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 24 OF 49	SHEET 67	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:39 PM PLOT BY : SEH LAYOUT NAME : 24 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

875'TSB2' 876'TSB2' 877'TSB2' ℄ 'TSB2' 878'TSB2' 879'TSB2' 880'TSB2'

IH 39 SB

FUTURE TEMPORARY EMERGENCY PULLOUT

2076+00.00
27.50'LT

2079+75.00
15.50'LT

MATCH LINE 2074+00

74 2075 2076 2077 2078 2079 20

℄

AP07 VAR 15.5'-3.5'
CP13 12'
CP05 12'
CP05 12'
CP05 14'
CP13 10'
AG01 2'

IH 39 NB

CAUTION

MATCH LINE 2080+00

ALLIANT ENERGY (20" HIGH PRESSURE, STEEL)

SLOPE INTERCEPT (TYP)

ATC TOWER

2078+49.79
101.92'RT

ATC

ITS

EXISTING RW (TYP)

FE01

V

2076+04.79
137.00'RT

3' (TYP)

PROPOSED RW (TYP)

ATC TOWER

CAUTION
ATC
(345kV)

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 25 OF 49	SHEET 68	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:40 PM PLOT BY : SEH LAYOUT NAME : 25 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

2

ALLIANT ENERGY

PROPOSED RW (TYP)

ATC

CAUTION

ALLIANT ENERGY (20" HIGH PRESSURE, STEEL)

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

℄ 'TSB2'

881'TSB2' 882'TSB2' 883'TSB2' 884'TSB2' 885'TSB2' 886'TSB2'

IH 39 SB

MATCH LINE 2080+00

80 2081 2082 2083 2084 2085 20

MATCH LINE 2086+00

AP07

CP13 12' 3.5'

CP05 12'

CP05 12'

CP05 14'

CP13 10'

AG01 2'

℄

IH 39 NB

DELINEATED WETLAND (TYP)

SLOPE INTERCEPT (TYP)

EXISTING RW (TYP)

FE01

3' (TYP)

ITS

CAUTION ATC (345kV)

HO

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007171\SEC 02 TYPICAL SECTIONS & DETAILS

PROPOSED RW (TYP)

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

N

887'TSB2' 888'TSB2' 889'TSB2' ℄ 'TSB2' 890'TSB2' 891'TSB2' 892'TSB2'

IH 39 SB

MATCH LINE 2086+00

2086 2087 2088 2089 2090 2091 2092

AP07 3.5'
CP13 12'
CP05 12'
CP05 12'
CP05 14'
CP13 10'
AG01 2'

℄

IH 39 NB

MATCH LINE 2092+00

2090+93.75
48.00'RT

2091+56.25
50.00'RT

EXISTING RW (TYP)

FE01

SLOPE INTERCEPT (TYP)

2089+73.17
101.88'RT

ITS

3' (TYP)

HO

ATC TOWER

CAUTION
ATC
(345kV)

2

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 27 OF 49	SHEET 70	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007171\SEC 02 TYPICAL SECTIONS & DETAILS

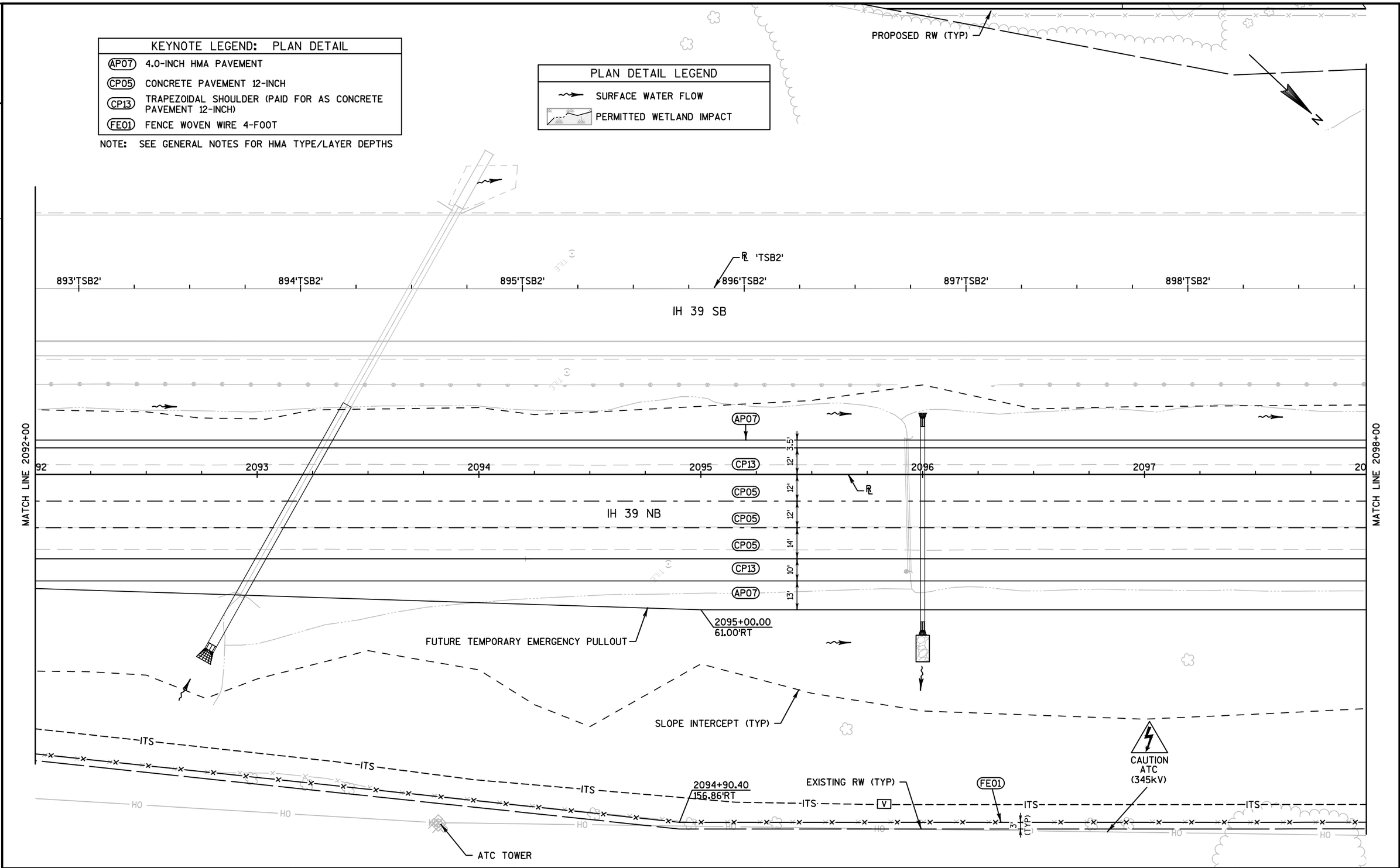
FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:40 PM PLOT BY : SEH LAYOUT NAME : 27 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAIL	
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT



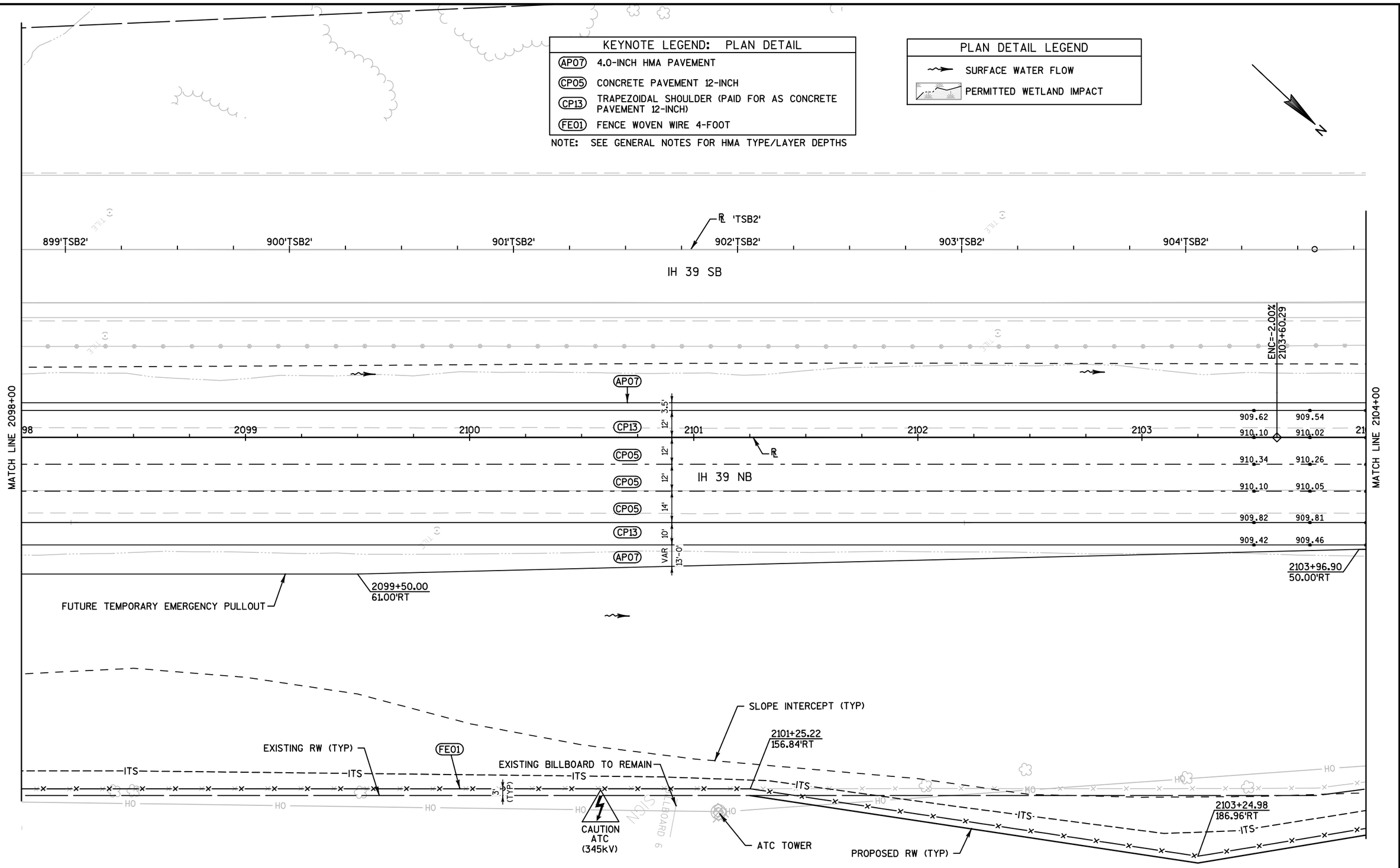
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 28 OF 49	SHEET 71	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND
- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 29 OF 49	SHEET 72	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG | PLOT DATE : 10/9/2017 5:41 PM | PLOT BY : SEH | LAYOUT NAME : 29 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

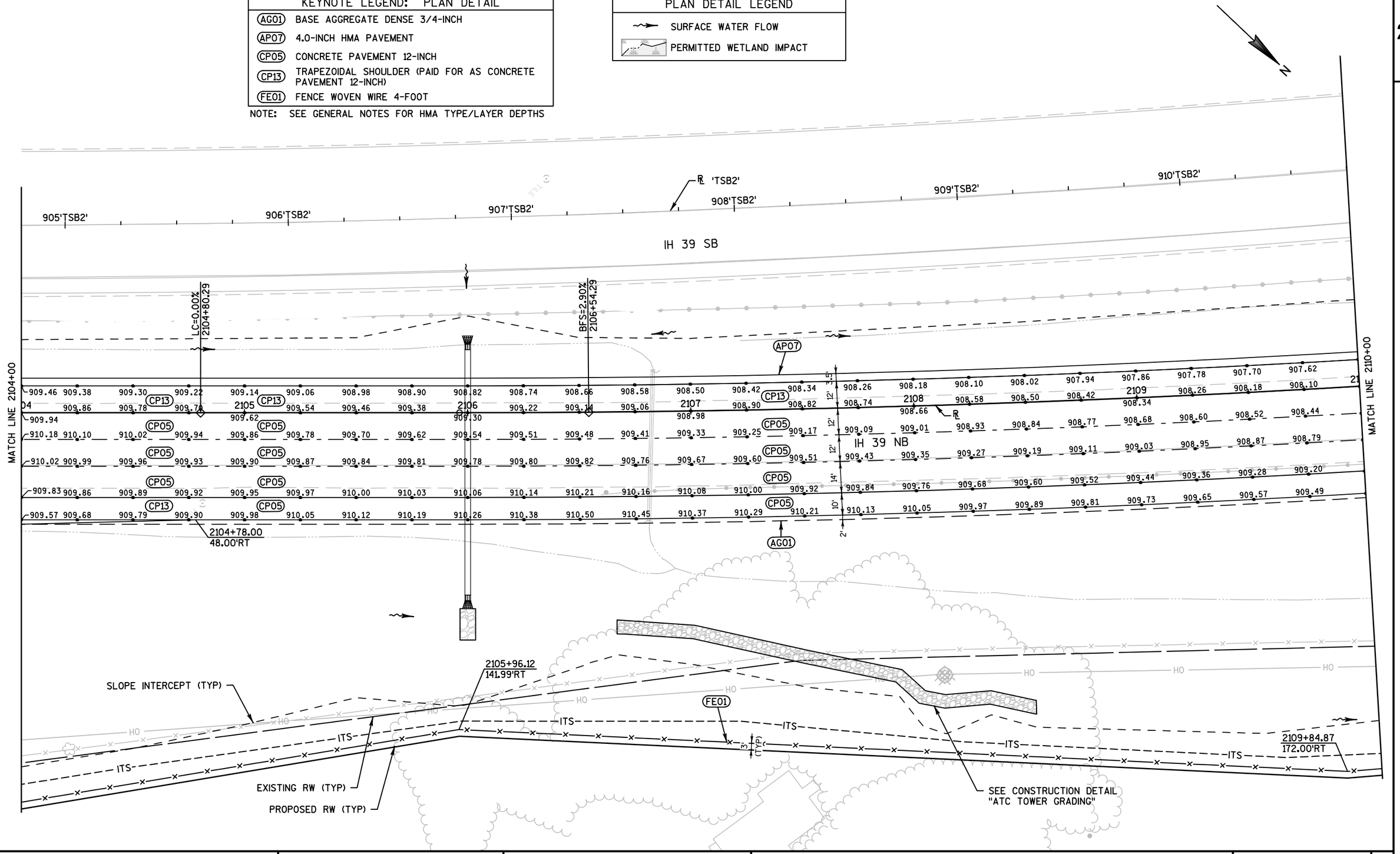
KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

SURFACE WATER FLOW

PERMITTED WETLAND IMPACT



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 30 OF 49	SHEET 73	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG | PLOT DATE : 10/9/2017 5:41 PM | PLOT BY : SEH | LAYOUT NAME : 30 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007171\SEC 02 TYPICAL SECTIONS & DETAILS

2

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CC01	CRASH CUSHIONS PERMANENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

N

911'TSB2' 912'TSB2' 913'TSB2' 914'TSB2' 915'TSB2' 916'TSB2'

℄ 'TSB2'

IH 39 SB

IH 39 NB

MATCH LINE 2110+00

MATCH LINE 2116+00

912+18.73'TSB2' 29.00'RT

915+36.04'TSB2' 29.00'RT

915+36.05'TSB2' 30.00'RT

2113+66.73 15.50'LT

2114+49.44 21.00'LT

2114+49.44 15.50'LT

2114+49.44 14.00'LT

2114+74.51 17.33'LT

2114+99.58 15.94'LT

2114+99.58 12.00'LT

2111+99.20 50.00'RT

2112+20.90 48.00'RT

2113+02.83 52.00'RT

2113+03.34 57.00'RT

2113+27.64 50.00'RT

2113+28.13 53.33'RT

2113+52.94 51.93'RT

2113+97.67 121.05'RT

2113+65.35 142.39'RT

2113+41.20 172.00'RT

2114+66.43 202.17'RT

56+28.99'D' 57.00'RT

AP07 CB98 AG01 CC01 CP13 CP05 FE01

907.53 907.46 907.37 907.30 907.21 907.13 907.05 906.97 906.89 906.81 906.73 906.65 906.57 906.49 906.40 906.31 906.22 906.12 906.02 905.91 905.80 905.69 905.57 905.44

908.01 907.94 907.85 907.78 907.69 907.61 907.53 907.45 907.37 907.29 907.21 907.13 907.05 906.97 906.88 906.79 906.70 906.60 906.50 906.39 906.28 906.17 906.05 905.92

908.36 908.28 908.20 908.12 908.04 907.96 907.88 907.80 907.72 907.64 907.56 907.48 907.40 907.32 907.23 907.14 907.05 906.95 906.85 906.74 906.63 906.51 906.40 906.27

908.71 908.63 908.55 908.47 908.39 908.31 908.23 908.15 908.07 907.99 907.91 907.83 907.75 907.67 907.58 907.49 907.40 907.30 907.20 907.09 906.98 906.86 906.74 906.62

909.12 909.04 908.96 908.88 908.80 908.72 908.63 908.56 908.47 908.40 908.31 908.23 908.15 908.07 907.99 907.90 907.80 907.70 907.60 907.49 907.38 907.27 907.15 907.03

909.41 909.33 909.25 909.17 909.09 909.01 908.92 908.85 908.76 908.69 908.60 908.52 908.44 908.36 908.28 908.19 908.09 907.99 907.89 907.78 907.67 907.56 907.44 907.32

12' 12' 14' 10' 2' 12' 12' 12' 14' 10' 4'

DELINEATED WETLAND (TYP)

EXISTING RW (TYP)

SLOPE INTERCEPT (TYP)

PROPOSED RW (TYP)

CAUTION ATC (345kV)

ATC TOWER

ITS

HO

80.00' (TYP)

57.00' (TYP)

3' (TYP)

NOTE: SEE PAGE 49 OF 49 FOR DROTNING RD DETAILS

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 31 OF 49	SHEET 74	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:41 PM PLOT BY : SEH LAYOUT NAME : 31 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
PV01	CONCRETE PAVEMENT APPROACH SLAB
PV11	CONCRETE SURFACE DRAINS

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

B-13-146 EXISTING

DROTNING RD

IH 39 SB

IH 39 NB

MATCH LINE 2116+00

MATCH LINE 2122+00

CURB PORTION OF CONCRETE SURFACE DRAINS NOT REQUIRED

B-13-717

CHARTER COMMUNICATIONS

AT&T

ALLIANT ENERGY

ALLIANT ENERGY

SLOPE INTERCEPT (TYP)

DELINEATED WETLAND (TYP)

EXISTING RW (TYP)

PROPOSED RW (TYP)

ATC TOWER

CAUTION ATC (345kV)

ITS

NOTE: SEE PAGE 49 OF 49 FOR DROTNING RD DETAILS

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 32 OF 49	SHEET 75	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG | PLOT DATE : 11/8/2017 6:22 AM | PLOT BY : SEH | LAYOUT NAME : 32 | PLOT SCALE : 1.0 IN = 40.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I171\SEC 02 TYPICAL SECTIONS & DETAILS

2

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CC01	CRASH CUSHIONS PERMANENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

923'TSB2' 924'TSB2' 925'TSB2' 926'TSB2' 928'TSB2'

℄ 'TSB2'

IH 39 SB

923+91.43'TSB2' 28.23'RT

924+74.35'TSB2' 29.00'RT

928+40.39'TSB2' 31.00'RT

928+15.39'TSB2' 29.00'RT

29'

TEMPORARY SHORING TO REMAIN IN PLACE (SEE STRUCTURE PLAN) (SEE CONSTRUCTION DETAIL - C-13-3083 MEDIAN GRADING)

CB98

CC01 2122+50.00 14.00'LT

2124+25.00 15.50'LT

2124+25.00 14.00'LT

CB98 2125+00.00 15.71'LT

AP07

2126+87.38 21.50'LT

R=6853.70'

FUTURE TEMPORARY EMERGENCY PULLOUT

MATCH LINE 2122+00

MATCH LINE 2127+90

898.34 898.13 897.92 897.70 897.49 897.28 897.06 896.85 896.63 896.42 896.21 896.00 895.78 895.60 895.41 895.27 VAR 3.5'-15.5' 895.16 895.09 895.02 895.00 895.00 895.05 895.10 895.21

22 898.48 898.26 898.05 2123 897.84 ℄ 897.62 897.41 897.20 2124 896.98 896.77 896.56 896.34 2125 896.13 895.95 895.76 CP13 895.62 12' 2126 895.51 895.44 895.37 895.35 2127 895.35 895.40 895.45 895.56

898.69 899.04 898.83 898.61 898.40 898.18 897.97 897.76 897.54 897.33 897.12 896.90 896.69 896.48 896.29 896.11 895.97 CP05 12' 895.86 895.79 895.72 895.70 895.70 895.75 895.80 895.90

899.39 899.17 898.96 898.75 898.53 898.32 898.11 897.89 897.68 897.46 897.25 897.04 896.82 896.64 896.46 896.31 CP05 12' 896.20 896.14 896.07 896.05 896.05 896.10 896.14 896.25

899.58 899.37 899.15 898.94 898.73 898.51 898.30 898.08 897.87 897.66 897.45 897.23 897.05 896.86 896.72 CP05 14' 896.61 896.54 896.47 896.45 896.45 896.50 896.55 896.66

899.79 900.08 899.87 899.66 899.44 899.23 899.02 898.80 898.59 898.37 898.16 897.95 897.74 897.52 897.34 897.15 897.01 CP05 10' 896.90 896.83 896.76 896.74 896.74 896.79 896.84 896.95

2' AG01

IH 39 NB

C-13-3083 REQ'D STAGE 1

EXISTING RW (TYP)

DELINEATED WETLAND (TYP)

REALIGNED DITCH TO MIMIC EXISTING DITCH ELEVATIONS AND SECTION

CAUTION ATC (345kV)

ATC TOWER

FE01

ITS

HQ

3' (TYP)

PROPOSED RW (TYP)

R=64.9'

15'-10' VAR

5'

5'

2124+53.27 163.99'RT

2124+75.64 154.38'RT

2124+99.92 154.15'RT

2125+84.10 151.95'RT

R=20.1'

SLOPE INTERCEPT (TYP)

2125+94.70 154.90'RT

2126+01.45 162.01'RT

2126+02.94 164.68'RT

2126+07.74 186.99'RT

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 33 OF 49	SHEET 76	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:42 PM PLOT BY : SEH LAYOUT NAME : 33 PLOT SCALE : 1.0 IN = 40.0 FT

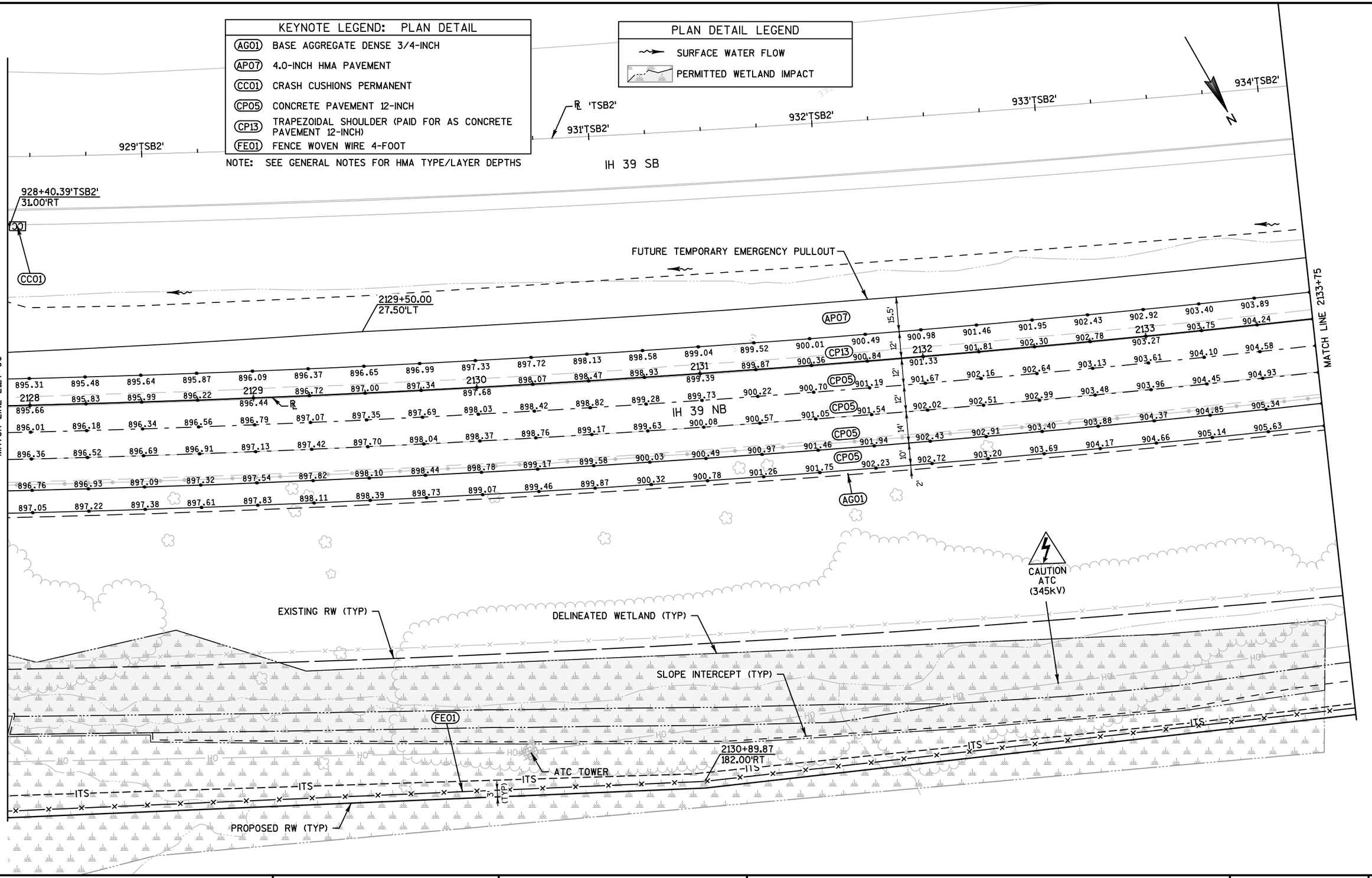
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CC01	CRASH CUSHIONS PERMANENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND
- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 34 OF 49	SHEET 77	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG | PLOT DATE : 10/9/2017 5:42 PM | PLOT BY : SEH | LAYOUT NAME : 34 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AGO1	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

N

IH 39 SB

935'TSB2'

936'TSB2'

℄ 'TSB2'

IH 39 SB

937'TSB2'

938'TSB2'

939'TSB2'

2134+00.00
27.50'LT

FUTURE TEMPORARY EMERGENCY PULLOUT

2135+86.41
21.50'LT

R=6851.98'

AP07

MATCH LINE 2133+75

904.37 904.86 905.34 905.83 906.31 906.80 907.28 907.77 908.25 908.74 909.22 909.71 910.19 910.68 911.16 911.64 912.10 912.56 913.00 913.43 913.85 914.26 914.65

2134 2135 2136 2137 2138 2139

904.72 905.20 905.69 906.17 906.66 907.14 907.63 908.11 908.60 909.08 909.57 910.05 910.54 911.02 911.51 911.99 912.45 912.91 913.35 913.78 914.20 914.61 915.00

905.07 905.55 906.04 906.52 907.01 907.49 907.98 908.46 908.95 909.43 909.92 910.40 910.89 911.37 911.86 912.34 912.80 913.26 913.70 914.13 914.54 914.96 915.34

905.42 905.90 906.39 906.87 907.36 907.84 908.33 908.81 909.30 909.78 910.27 910.75 911.24 911.72 912.20 912.68 913.15 913.61 914.05 914.48 914.89 915.30 915.69

905.82 906.31 906.79 907.28 907.76 908.25 908.73 909.22 909.70 910.19 910.67 911.16 911.64 912.13 912.61 913.09 913.55 914.01 914.45 914.88 915.30 915.71 916.10

906.11 906.60 907.08 907.57 908.05 908.54 909.02 909.51 909.99 910.48 910.96 911.45 911.93 912.42 912.90 913.38 913.84 914.30 914.74 915.17 915.59 916.00 916.39

CP13

CP05

CP05

CP05

CP05

AGO1

R

12'

12'

14'

10'

2'

15.5'-3.5' VAR

MATCH EXISTING PAVEMENT EDGE

2138+00.00
66.08'LT

2137+59.83
42.00'LT

2137+59.78
37.00'LT

R=25'

15'

15'

AP07

2138+40.24
40.15'LT

2138+40.22
37.00'LT

2137+72.67
15.54'LT

AP07

2138+00.00
12.00'LT

2138+27.41
15.50'LT

MATCH LINE 2139+50

EXISTING RW (TYP)

SLOPE INTERCEPT (TYP)

CAUTION
ATC
(345kV)

2137+99.77
129.67'RT

HO

ITS

FE01

2135+64.72
176.99'RT

V

3'
(TYP)

PROPOSED RW (TYP)

ATC TOWER

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 35 OF 49	SHEET 78	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG | PLOT DATE : 10/9/2017 5:42 PM | PLOT BY : SEH | LAYOUT NAME : 35 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

N

940'TSB2' 941'TSB2' 942'TSB2' ℄ 'TSB2' 943'TSB2' 944'TSB2' 945'TSB2'

IH 39 SB

EFS=2.90%
2141+11.57

LC=0.00%
2142+85.57

BNC=-2.00%
2144+05.57

AP07

MATCH LINE 2139+50

915.04 915.40 915.76 916.11 916.44 916.76 917.08 917.40 917.74 918.04 918.30 918.54 918.79 919.01 919.23 919.42 919.62 919.79 919.96 920.11
915.38 915.75 2140 916.11 916.45 916.79 917.11 2141 917.42 917.72 918.01 918.28 2142 918.54 918.78 919.03 919.25 2143 919.47 919.66 919.86 920.03 2144 920.20 920.35 2145
915.73 916.10 916.46 916.80 917.14 917.46 917.77 918.04 918.28 918.52 918.78 919.02 919.27 919.49 919.71 919.90 920.10 920.27 920.44 920.59
916.08 916.45 916.81 917.15 917.49 917.81 918.12 918.36 918.55 918.74 918.95 919.15 919.34 919.51 919.68 919.82 919.97 920.09 920.21 920.35
916.49 916.85 917.21 917.56 917.89 918.21 918.53 918.74 918.87 919.00 919.15 919.29 919.42 919.54 919.64 919.73 919.82 919.88 919.94 920.07
916.78 917.14 917.50 917.85 918.18 918.50 918.82 919.01 919.09 919.18 919.30 919.38 919.48 919.55 919.62 919.66 919.71 919.72 919.75 919.87

CP13 CP05 AG01

IH 39 NB

12' 3.5" 12' 12' 14' 10' 2'

MATCH LINE 2145+50

SLOPE INTERCEPT (TYP)

ITS ITS ITS ITS

HO HO HO HO HO HO HO HO HO

EXISTING RW (TYP)

PROPOSED RW (TYP)

FE01

2144+00.00
152.00'RT

3'-0" (TYP)

CAUTION
ATC
(345kV)

ATC TOWER

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 36 OF 49	SHEET 79	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:42 PM PLOT BY : SEH LAYOUT NAME : 36 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007171\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

N

946'TSB2' 947'TSB2' 948'TSB2' ℄ 'TSB2' 949'TSB2' 950'TSB2' 951'TSB2'

IH 39 SB

MATCH LINE 2145+50

2146 2147 2148 2149 2150 2151

IH 39 NB

AP07 3.5' CP13 12' CP05 12' CP05 12' CP05 14' CP13 10' AG01 2'

℄

2149+50.00
50.50'RT

AP07 2.5'

MATCH LINE 2151+50

SLOPE INTERCEPT (TYP)

EXISTING RW (TYP)

FE01

-ITS-

3'

PROPOSED RW (TYP)

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 37 OF 49	SHEET 80	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:42 PM PLOT BY : SEH LAYOUT NAME : 37 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CG01	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE A
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
SP02	SLOPE PAVING CRUSHED AGGREGATE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

N

CTH BN

49'BN'

50'BN'

51'BN'

52'BN'

B-13-718
EXISTING

952'TSB2' 953'TSB2' 954'TSB2' 955'TSB2' 956'TSB2' 957'TSB2'

℄ 'TSB2'

REMOVE EXISTING
CROSSOVER

SW01

IH 39 SB

EXISTING GUARD
RAIL TO REMAIN

IH 39 NB

MATCH LINE 2151+50

MATCH LINE 2157+50

2152 2153 2154 2155 2156 2157

AP07 CP13 CP05 CP05 CP05 CP13

3.5' 12' 12' 12' 14' 10' 2'

2.5'

2153+00.00
48.00'RT

2153+50.89
51.00'RT

CG01

2153+95.64
51.00'RT

2154+50.00
48.00'RT

2155+93.75
48.00'RT

2156+56.25
50.00'RT

2153+00.00
50.50'RT

2153+10.00
51.00'RT

2153+54.06
62.00'RT

SP02

2153+98.82
62.00'RT

2154+65.00
50.00'RT

2154+40.00
51.00'RT

ALLIANT ENERGY

AG01

FUTURE TEMPORARY EMERGENCY PULLOUT

EXISTING RW (TYP)

SLOPE INTERCEPT (TYP)

2155+16.45
107.09'RT

FE01

3' (TYP)

ITS

V

2152+51.97
101.87'RT

MATCH EXISTING FENCE
CONSTRUCTED UNDER
PROJECT ID 1007-11-70

EXISTING FENCE
TO REMAIN

ALLIANT ENERGY

MATCH EXISTING FENCE
CONSTRUCTED UNDER
PROJECT ID 1007-11-70

PROPOSED RW (TYP)

CAUTION
ATC
(345kV)

HO

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 38 OF 49	SHEET 81	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:43 PM PLOT BY : SEH LAYOUT NAME : 38 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAIL	
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND
- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

N

958'TSB2' 959'TSB2' 960'TSB2' 961'TSB2' ℄ 'TSB2' 962'TSB2' 963'TSB2'

IH 39 SB

MATCH LINE 2157+50

2158 2159 2160 2161 ℄ 2162 2163

MATCH LINE 2163+50

AP07 3.5'
CP13 12'
CP05 12'
CP05 12'
CP05 14'
CP13 10'
AP07 13'

IH 39 NB

2160+00.00
61.00'RT

EXISTING RW (TYP)
FE01
SLOPE INTERCEPT (TYP)
FUTURE TEMPORARY EMERGENCY PULLOUT
2161+20.28
91.99'RT
PROPOSED RW (TYP)
3' (TYP)
ITS
HO
ATC TOWER
2163+30.34
137.00'RT
CAUTION
ATC
(345kV)

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 39 OF 49	SHEET 82	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:43 PM PLOT BY : SEH LAYOUT NAME : 39 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

SURFACE WATER FLOW

PERMITTED WETLAND IMPACT

N

964'TSB2' 965'TSB2' 966'TSB2' ℄ 'TSB2' 967'TSB2' 968'TSB2' 969'TSB2'

IH 39 SB

IH 39 NB

MATCH LINE 2163+50

MATCH LINE 2169+50

2164 2165 2166 2167 2168 2169

AP07 3.5'

CP13 12'

CP05 12'

CP05 12'

CP05 14'

CP13 10'

AP07 VAR 13'-0'

℄

2164+50.00
61.00'RT

2169+31.25
50.00'RT

AG01

FUTURE TEMPORARY EMERGENCY PULLOUT

DELINEATED WETLAND (TYP)

CAUTION
ATC
(345kV)

EXISTING RW (TYP)

SLOPE INTERCEPT (TYP)

FE01

2167+39.89
142.00'RT

5' (TYP)

PROPOSED RW (TYP)

HO ITS

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 40 OF 49	SHEET 83	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:43 PM PLOT BY : SEH LAYOUT NAME : 40 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007117I\SEC 02 TYPICAL SECTIONS & DETAILS

2

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB01	CONCRETE BARRIER TYPE S42
CB98	TEMPORARY CONCRETE BARRIER PRECAST LEFT IN PLACE
CC01	CRASH CUSHIONS PERMANENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

SURFACE WATER FLOW

PERMITTED WETLAND IMPACT

PROPOSED RW (TYP)

AT&T

CHURCH ST

49'CS'

50'CS'

N

RETAINING WALL R-13-257 EXISTING

B-13-719 EXISTING

970'TSB2' 972'TSB2' 973'TSB2' 974'TSB2' 975'TSB2'

IH 39 SB

IH 39 NB

EXISTING GUARD RAIL TO REMAIN

S-13-471 REQ'D

MATCH LINE 2169+50

MATCH LINE 2175+50

2170 2171 2172 2173 2174 2175

2172+12.50 15.50'LT

2172+97.50 21.00'LT

2172+87.56 14.00'LT

2173+22.50 17.33'LT

2173+47.50 16.00'LT

2173+62.56 14.00'LT

2173+75.06 13.00'LT

2173+87.52 13.00'LT

2173+87.52 12.00'LT

2174+27.52 15.50'LT

2174+27.52 12.00'LT

2170+18.75 48.00'RT

2170+68.12 50.00'RT

2171+63.12 50.00'RT

2172+62.52 55.00'RT

2172+63.12 63.00'RT

2172+88.12 59.26'RT

2173+13.12 54.00'RT

2173+13.12 57.93'RT

2174+12.52 55.00'RT

2174+12.52 54.00'RT

2174+12.52 56.33'RT

2175+28.65 59.00'RT

2169+74.94 121.31'RT

2175+43.07 142.78'RT

2175+41.23 146.69'RT

3.5' 12' 12' 12' 14' VAR 10'

6' 10' 11' 2.33' 2'

SLOPE INTERCEPT (TYP)

WISDOT ITS (PROJECT 1007-10-70)

ITS

HO

V

B

ATC TOWER

ALLIANT ENERGY

CAUTION ATC (345kV)

EXISTING RW (TYP)

3' (TYP)

RETAINING WALL R-13-258 EXISTING

MATCH EXISTING FENCE CONSTRUCTED UNDER PROJECT ID 1007-10-89

WISDOT ITS (PROJECT 1007-10-70)

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 41 OF 49	SHEET 84	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:43 PM PLOT BY : SEH LAYOUT NAME : 41 PLOT SCALE : 1.0 IN = 40.0 FT WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB01	CONCRETE BARRIER TYPE S42
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

N

976'TSB2' 977'TSB2' 978'TSB2' 979'TSB2' ℄ 'TSB2' 980'TSB2' 981'TSB2'

IH 39 SB

EXISTING GUARD RAIL TO REMAIN

B-13-719 EXISTING

MATCH LINE 2175+50

MATCH LINE 2181+50

2176 2177 2178 2179 2180 2181

AP07 CP13 CP05 CP05 CP05 CP13

3.5' 12' 12' 14' 10' 2'

IH 39 NB

5%CS

CB01

CP13 10' 11' 6'

2176+93.65 54.00'RT

2176+93.65 59.00'RT

2176+93.65 61.00'RT

AG01

CP13 10' 6'

2178+10.32 54.00'RT

2177+63.65 56.00'RT

2179+03.65 50.00'RT

2179+50.36 50.00'RT

AG01

R-13-258 EXISTING

52'CS

CHURCH ST

53'CS

SLOPE INTERCEPT (TYP)

MATCH EXISTING FENCE CONSTRUCTED UNDER PROJECT ID 1007-10-89

2177+53.55 116.06'RT

ALLIANT ENERGY

CAUTION ATC (345kV)

ITS HO

2178+86.99 157.43'RT

FE01

2179+31.55 157.43'RT

5' (TYP)

ATC TOWER

ATC

EXISTING RW (TYP)

AT&T

ALLIANT ENERGY

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 42 OF 49	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:44 PM PLOT BY : SEH LAYOUT NAME : 42 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

N

982'TSB2' 983'TSB2' 984'TSB2' 985'TSB2' 986'TSB2' 987'TSB2'

℄ 'TSB2'

IH 39 SB

IH 39 NB

MATCH LINE 2181+50

MATCH LINE 2187+50

2182 2183 2184 2185 2186 2187

AP07

CP13 12' 3.5'

CP05 12'

CP05 12'

CP05 14'

CP13 10'

2'

AG01

℄

SLOPE INTERCEPT (TYP)

HO

CAUTION
ATC
(345kV)

ATC TOWER

ITS

2181+87.33
197.45'RT

EXISTING RW (TYP)

2184+00.01
207.00'RT

FE01

2186+30.89
197.48'RT

3' (TYP)

PROPOSED RW (TYP)

SIGN

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 43 OF 49	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:44 PM PLOT BY : SEH LAYOUT NAME : 43 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CC01	CRASH CUSHIONS PERMANENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

PROPOSED RW (TYP)

DELINEATED WETLAND (TYP)

N

℄ 'TSB2'

988'TSB2' 989'TSB2' 990'TSB2' 991'TSB2' 992'TSB2' 993'TSB2'

MATCH EXISTING PAVEMENT EDGE

SW01

2187+80.00 33.50'LT

2188+15.00 53.50'LT

988+85.43'TSB2' 29.00'RT

CB98 IH 39 SB

29'

993+34.67'TSB2' 29.00'RT

CC01

AP07

2188+50.00 33.40'LT

R=20'

15' 15'

TEMPORARY SHORING TO REMAIN IN PLACE (SEE STRUCTURE PLAN) (SEE CONSTRUCTION DETAIL - C-13-3084 MEDIAN GRADING)

2188+50.00 32.00'LT

ENC=-2.00% 2193+01.33

3.5'

CC

2188+50.00 14.00'LT

2190+50.00 14.00'LT

CP13

12'

2188 2189 2190 2191 2192 2193

882.29 882.38 882.62 882.53

882.77 882.86

882.53 882.67

882.25 882.44

882.05 882.29

2187+80.00 32.00'LT

CC01

CB98

2188+15.00 12.00'LT

IH 39 NB

CP05

CP05

CP05

14'

10'

2'

MATCH LINE 2187+50

MATCH LINE 2193+50

C-13-3084 STG 2 REQ'D

AG01

SLOPE INTERCEPT (TYP)

2190+18.03 92.48'RT

FE01

ITS

3' (TYP)

EXISTING RW (TYP)

HO

CAUTION ATC (345kV)

PLE (TYP)

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 44 OF 49	SHEET 87	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG PLOT DATE : 10/9/2017 5:44 PM PLOT BY : SEH LAYOUT NAME : 44 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007

KEYNOTE LEGEND: PLAN DETAIL

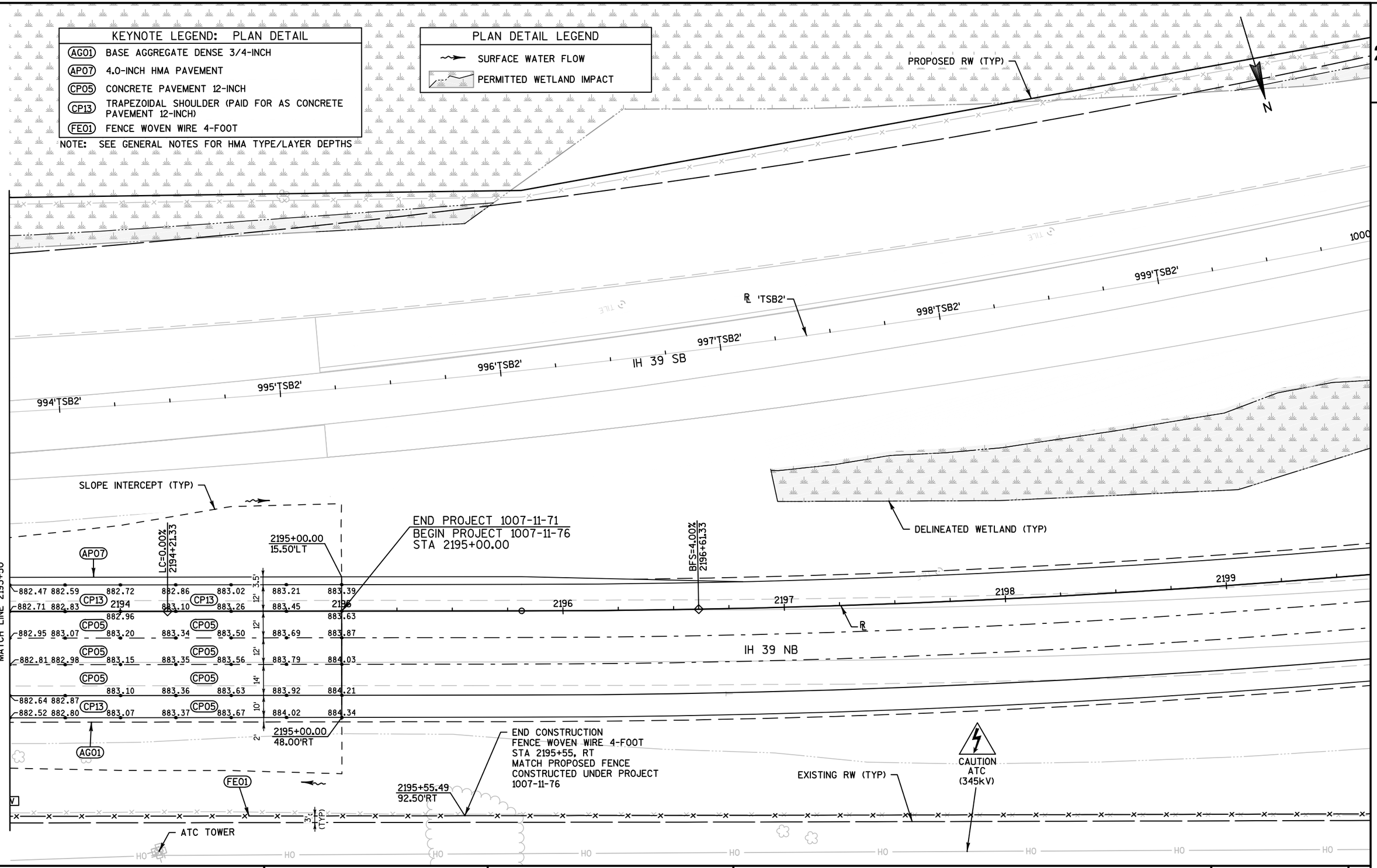
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

SURFACE WATER FLOW

PERMITTED WETLAND IMPACT



PROJECT NO:1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 45 OF 49	SHEET 88	E

FILE NAME : 021200_PD (PLAN DETAILS).DWG | PLOT DATE : 10/9/2017 5:44 PM | PLOT BY : SEH | LAYOUT NAME : 45 | PLOT SCALE : 1.0 IN = 40.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AP13	3.5-INCH HMA PAVEMENT
CB97	MAINTENANCE AND REMOVAL OF CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE BY OTHERS
CC02	SALVAGED CRASH CUSHIONS
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

N

2

2

SLOPE INTERCEPT (TYP)

DELINEATED WETLAND (TYP)

B-13-164
EXISTING

B-13-713

FRONTIER COM

ALLIANT ENERGY

EXISTING RW (TYP)

PROPOSED RW (TYP)

MATCH EXISTING PAVEMENT

CTH B

IH 39 SB

IH 39 NB

ASPH

CONC

48'B'

49'B'

52'B'

53'B'

50+88.92'B' 17.50'LT

51+43.91'B' 17.50'LT

50+75.00'B' 16.00'LT

50+88.92'B' 11.00'LT

51+43.91'B' 11.00'LT

51+28.96'B' 11.00'RT

51+83.98'B' 11.00'RT

50+75.00'B' 16.00'RT

51+28.97'B' 17.47'RT

51+83.98'B' 17.64'RT

52+68.91'B' 17.50'LT

52+68.91'B' 16.00'LT

53+05.00'B' 13.82'LT

52+54.62'B' 16.00'RT

52+68.91'B' 16.08'RT

53+05.00'B' 13.00'RT

52+99.74'B' 13.00'RT

10:1

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS - CTH B	PAGE 46 OF 49	SHEET 89	E

2

N

CTH W

47'W'

46'W'

45'W'

44'W'

FE01

RM03

FRONTIER COM

ALLIANT ENERGY

IH 39 NB

IH 39 SB

'TSB2'

'SBEA'

97'SBEA'

98'SBEA'

99'SBEA'

100'SBEA'

AG19

SB EMERGENCY ACCESS

GA03

R=27.60'

R=27.80'

R=6.0'

R=50.0'

46+17.35'W'
15.00'RT

46+08.09'W'
15.00'RT

96+43.02'SBEA'
9.90'LT

96+16.87'SBEA'
28.68'LT

96+57.70'SBEA'
18.00'LT

96+26.93'SBEA'
15.08'LT

96+41.76'SBEA'
9.70'RT

96+57.09'SBEA'
18.00'RT

96+15.93'SBEA'
27.22'RT

99+30.72'SBEA'
15.90'LT

99+30.72'SBEA'
9.90'LT

847+59.60'TSB2'
34.00'LT

99+60.44'SBEA'
14.71'RT

846+92.93'TSB2'
34.00'LT

99+35.81'SBEA'
9.69'RT

98+80.49'SBEA'
52.00'RT

99+80.45'SBEA
28.91'RT

45+52.18'W'
15.00'RT

45+42.34'W'
15.00'RT

96+56.51'SBEA'
52.00'RT

SLOPE INTERCEPT (TYP)

PROPOSED RW (TYP)

MATCH EXISTING FENCE

EXISTING RW (TYP)

KOSHKONONG RD

GUY

TILE

KEYNOTE LEGEND: PLAN DETAIL	
AG19	BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
GA03	EMERGENCY ACCESS GATE 20-FT (SEE CONSTRUCTION DETAIL)
RM03	REMOVING FENCE

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS - SB EMERGENCY ACCESS	PAGE 47 OF 49	SHEET 90	E

KEYNOTE LEGEND: PLAN DETAIL	
AP13	3.5-INCH HMA PAVEMENT
CB97	MAINTENANCE AND REMOVAL OF CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE BY OTHERS
CC02	SALVAGED CRASH CUSHIONS
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROPOSED RW (TYP)
ALLIANT ENERGY
B-13-148 EXISTING
B-13-715
AT&T
MATCH EXISTING FENCE
47+65.45'W' 56.00'RT
48'W'
49'W' CTH W
50'W'
51'W'
52'W'
53'W'
CTH W
℄ 'W'
℄ 'TSB2'
℄
855'TSB2'
854'TSB2'
853'TSB2'
852'TSB2'
851'TSB2'
2055
2054
2052
2051
IH 39 SB
IH 39 NB
CONC
ASPH
ITS
50+75.00'W' 16.00'LT
CB97
51+32.84'W' 17.50'LT
51+89.24'W' 17.50'LT
CB97
53+25.00'W' 16.43'LT
53+14.25'W' 16.00'LT
53+45.00'W' 14.43'LT
50+91.40'W' 11.00'RT
51+47.90'W' 11.00'RT
AP13
52+15.25'W' 16.00'RT
CC02
SW01
AP13
SW01
51+32.84'W' 11.00'LT
51+89.24'W' 11.00'LT
50+75.00'W' 16.00'RT
50+91.40'W' 17.50'RT
51+47.90'W' 17.50'RT
CB97
CB97
CC02
53+25.00'W' 11.00'RT
53+45.00'W' 11.00'RT
MATCH EXISTING PAVEMENT
SLOPE INTERCEPT (TYP)
EXISTING RW (TYP)
N

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS - CTH W	PAGE 48 OF 49	SHEET 91	E

2

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

N

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AP13	3.5-INCH HMA PAVEMENT
CB97	MAINTENANCE AND REMOVAL OF CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE BY OTHERS
CC02	SALVAGED CRASH CUSHIONS
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

EXISTING RW (TYP)
PROPOSED RW (TYP)
ATC TOWER
SLOPE INTERCEPT (TYP)
ALLIANT ENERGY
ATC
CAUTION ATC (345kV)
B-13-717
CB97
CC02
52+04.90'D' 17.50'LT
52+68.00'D' 17.50'LT
52+00.00'D' 16.00'LT
52+04.90'D' 11.00'LT
52'D'
AP13
52+68.00'D' 11.00'LT
53'D'
53+68.00'D' 16.00'LT
54'D'
55'D'
DROTNING RD
52+58.50'D' 11.00'RT
53+21.44'D' 11.00'RT
53+96.45'D' 16.00'CC
52+00.00'D' 16.00'RT
52+58.50'D' 17.50'RT
53+21.44'D' 17.50'RT
B-13-146 EXISTING
AT&T
CHARTER COMMUNICATIONS
MUD CREEK
56+34.50'D' 10.00'LT
56'D'
SW01
57'D'
56+95.51'D' 10.00'LT
MATCH EXISTING PAVEMENT
56+34.34'D' 11.25'RT
56+95.84'D' 11.25'RT
ALLIANT ENERGY
AT&T
ATC TOWER
DELINEATED WETLAND (TYP)
IH 39 SB
IH 39 NB
℄ 'TSB2'
℄
CONC
ASPH
2H2
2H5
2H7
2S1.6%
2S1.8%
2S2%

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN DETAILS - DROTNING RD	PAGE 49 OF 49	SHEET 92 E

FILE NAME : 021201_PD (PLAN DETAILS B-W-DROT).DWG | PLOT DATE : 11/8/2017 8:14 AM | PLOT BY : SEH | LAYOUT NAME : 49 | PLOT SCALE : 1.0 IN = 40.0 FT

2

IH 39 SB

IH 39 NB

1938 1940 1942 1944 1946 1948 1950

MATCH LINE 1952+00

EXISTING R/W (TYP)

RIPRAP HEAVY
L=12 FT
W=6 FT

SLOPE INTERCEPT (TYP)

EROSION CONTROL LEGEND

- SOIL STABILIZER TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- STONE OR ROCK DITCH CHECKS
- CULVERT PIPE CHECK
- EROSION BALE
- SURFACE WATER FLOW

EROSION CONTROL NOTES:

PLACE SALVAGED TOPSOIL, SEED, FERTILIZER AND MULCH WITHIN ANY SURFACE SLOPE INTERCEPT AREAS THAT DO NOT USE EROSION MAT.

DO NOT DRIVE EQUIPMENT OR STORE EQUIPMENT OR MATERIALS IN WETLANDS OR WATERWAYS.

WHEN INLET PROTECTION TYPE A OR B ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT AND USE TYPE B AFTER THE INLET CASTINGS ARE IN PLACE.

PLACE SILT FENCE TWO FEET FROM THE SLOPE INTERCEPT WHERE APPROPRIATE.

IH 39 SB

IH 39 NB

1954 1956 1958 1960 1962 1964

MATCH LINE 1952+00

MATCH LINE 1956+00

SLOPE INTERCEPT (TYP)

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 01 OF 09	SHEET 93	E

FILE NAME : 022000_EC (EROSION CONTROL).DWG PLOT DATE : 10/9/2017 5:49 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007001\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

2

MATCH LINE 1966+00

1966 1968 1970 1972 1974 1976 1978 1980

IH 39 SB

IH 39 NB

MATCH LINE 1980+50

WISDOT

PROPOSED R/W (TYP)

SLOPE INTERCEPT (TYP)

EROSION CONTROL LEGEND

- SOIL STABILIZER TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- STONE OR ROCK DITCH CHECKS
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALE

MATCH LINE 1980+50

1982 1984 1986 1988 1990 1992 1994

IH 39 SB

IH 39 NB

CTH B

MATCH LINE 1995+40

RIPRAP HEAVY
L=12 FT
W=6 FT

PROPOSED R/W (TYP)

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

RIPRAP MEDIUM
L=16 FT
W=8 FT

RIPRAP MEDIUM
L=35 FT
W=7 FT

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 02 OF 09	SHEET 94	E

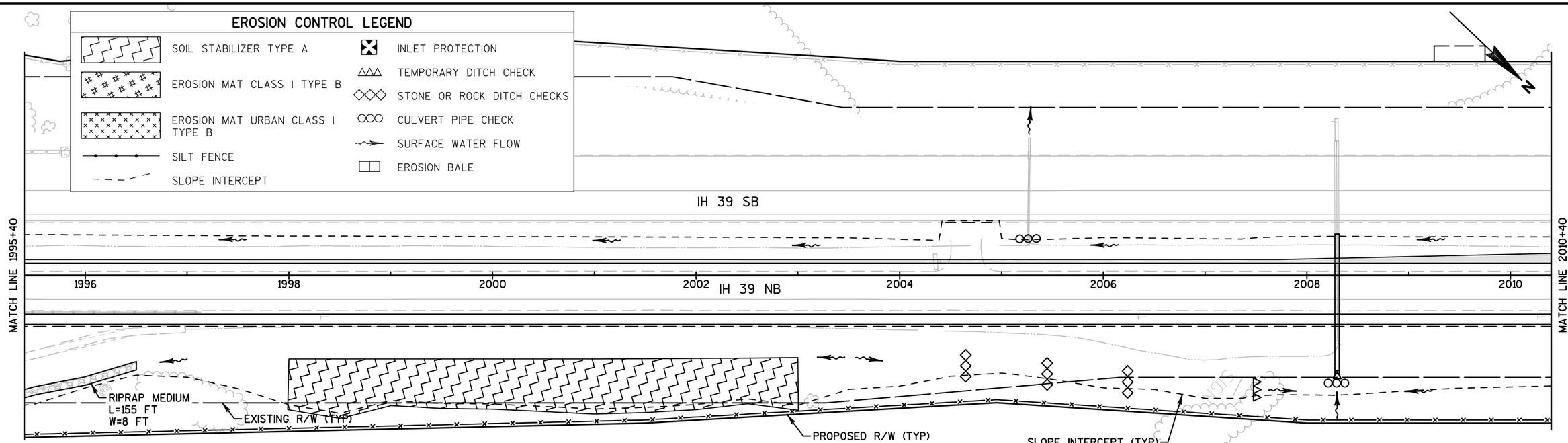
FILE NAME : 022000_EC (EROSION CONTROL).DWG PLOT DATE : 10/9/2017 5:49 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 100.0 FT

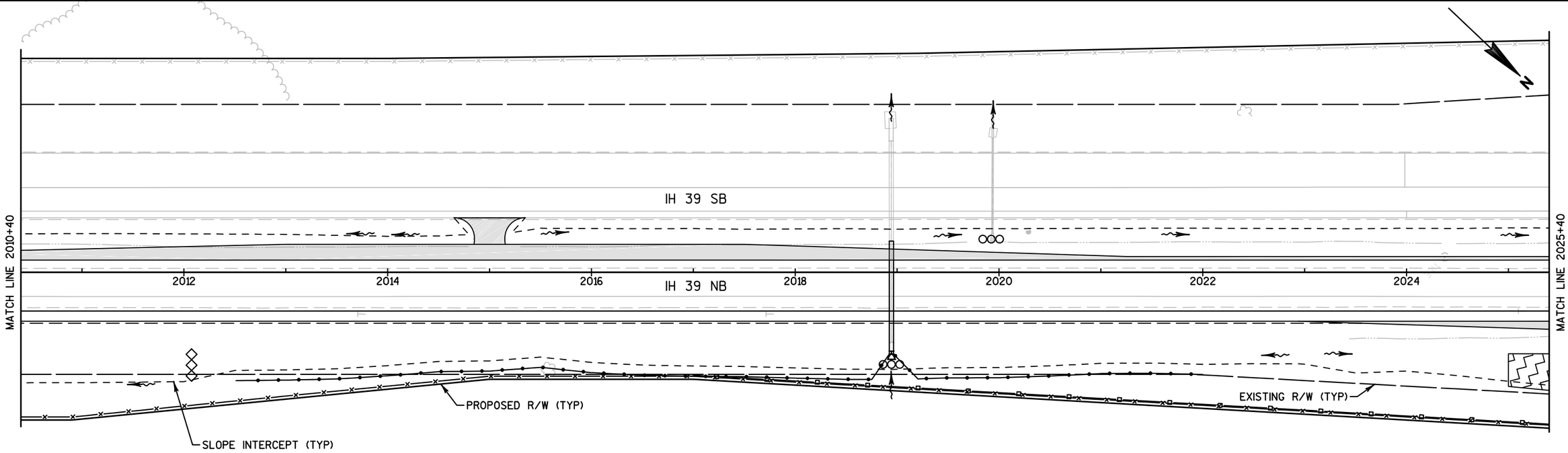
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007117I_SEC 02 TYPICAL SECTIONS & DETAILS

EROSION CONTROL LEGEND

- SOIL STABILIZER TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- STONE OR ROCK DITCH CHECKS
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALE





PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 03 OF 09	SHEET	E

FILE NAME : 022000_EC (EROSION CONTROL).DWG | PLOT DATE : 10/9/2017 5:50 PM | PLOT BY : SEH | LAYOUT NAME : 03 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

EROSION CONTROL LEGEND

- SOIL STABILIZER TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- STONE OR ROCK DITCH CHECKS
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALE

IH 39 SB

MATCH LINE 2025+40

2026 2028 2030 2032 IH 39 NB 2034 2036 2038 2040

MATCH LINE 2040+40

RIPRAP MEDIUM
L=12 FT
W=6 FT

PROPOSED R/W (TYP)

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

RIPRAP MEDIUM
L=18 FT
W=9 FT

CTH W

IH 39 SB

MATCH LINE 2040+40

2042 2044 2046 IH 39 NB 2048 2050 2052 2054

MATCH LINE 2055+40

RIPRAP MEDIUM
L=12 FT
W=6 FT

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

RIPRAP HEAVY
L=12 FT
W=6 FT

CTH W

RIPRAP MEDIUM
L=18 FT
W=9 FT

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 04 OF 09	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

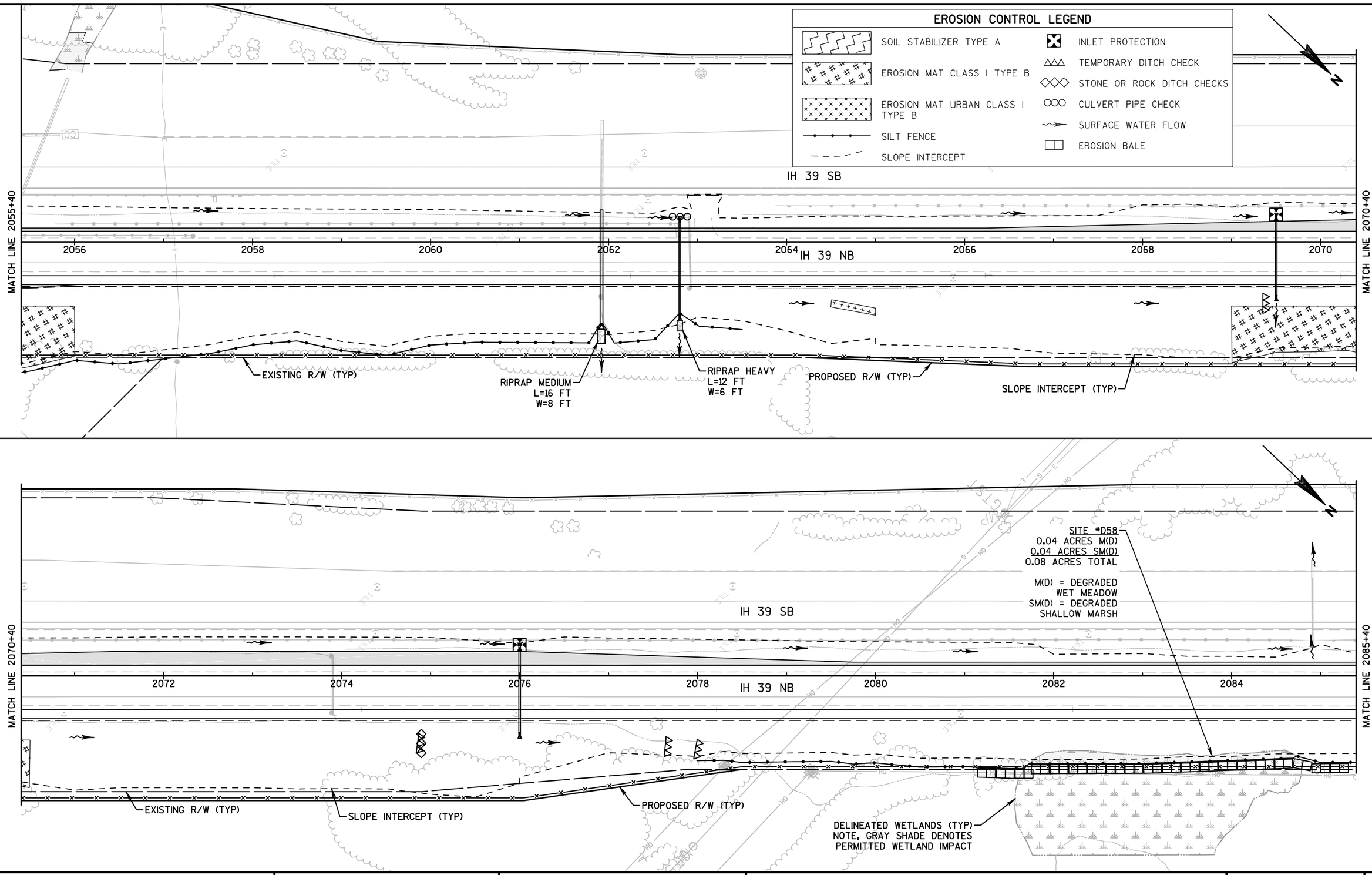
FILE NAME : 022000_EC (EROSION CONTROL).DWG PLOT DATE : 10/9/2017 5:50 PM PLOT BY : SEH LAYOUT NAME : 04 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

EROSION CONTROL LEGEND

- SOIL STABILIZER TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- STONE OR ROCK DITCH CHECKS
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALE



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 05 OF 09	SHEET	E

FILE NAME : 022000_EC (EROSION CONTROL).DWG PLOT DATE : 10/9/2017 5:50 PM PLOT BY : SEH LAYOUT NAME : 05 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\1\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

MATCH LINE 2085+40

MATCH LINE 2100+40

IH 39 SB

IH 39 NB

2086 2088 2090 2092 2094 2096 2098 2100

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

RIPRAP MEDIUM
L=12 FT
W=6 FT

EROSION CONTROL LEGEND

- SOIL STABILIZER TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- STONE OR ROCK DITCH CHECKS
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALE

SITE *D23
0.43 ACRES M(D)
0.43 ACRES TOTAL

M(D) = DEGRADED
WET MEADOW

MATCH LINE 2100+40

MATCH LINE 2115+40

IH 39 SB

IH 39 NB

2102 2104 2106 2108 2110 2112 2114

30'

EXISTING R/W (TYP)
COMPOST TUBES

PROPOSED R/W (TYP)

RIPRAP MEDIUM
L=195 FT
W=6 FT

RIPRAP MEDIUM
L=12 FT
W=6 FT

SLOPE INTERCEPT (TYP)

RIPRAP HEAVY
L=126 FT
W1=31 FT
W2=41 FT

RIPRAP MEDIUM
L=26 FT
W1=39 FT
W2=65 FT

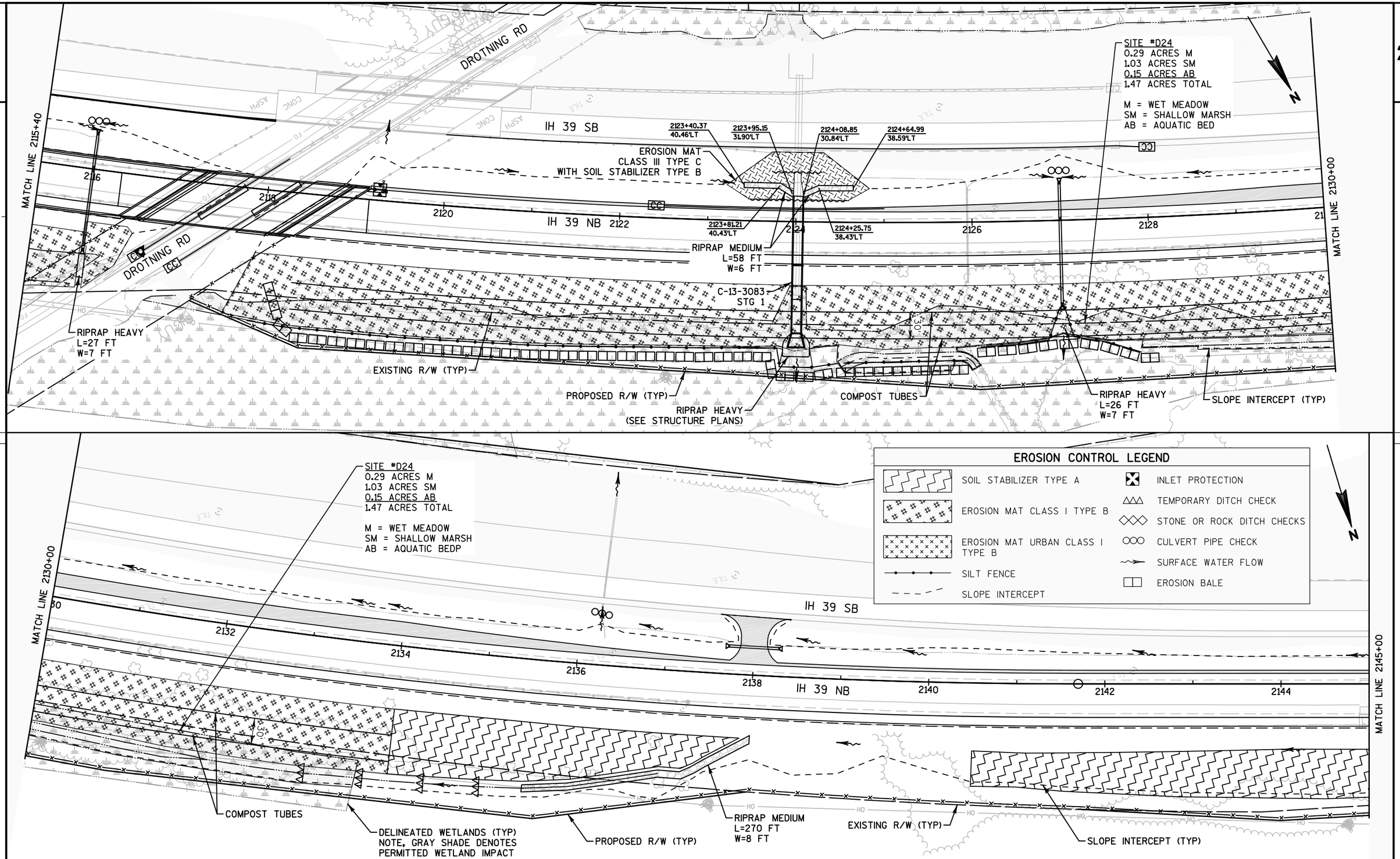
PROJECT NO:1007-11-71	HWY:IH 39	COUNTY:DANE	EROSION CONTROL PLAN	PAGE 06 OF 09	SHEET 98	E

FILE NAME : 022000_EC (EROSION CONTROL).DWG PLOT DATE : 10/9/2017 5:51 PM PLOT BY : SEH LAYOUT NAME : 06 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

2



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 07 OF 09	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022000_EC (EROSION CONTROL).DWG PLOT DATE : 11/8/2017 6:33 AM PLOT BY : SEH LAYOUT NAME : 07 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

EROSION CONTROL LEGEND

- SOIL STABILIZER TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- STONE OR ROCK DITCH CHECKS
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALE

CTH BN

IH 39 SB

IH 39 NB

MATCH LINE 2145+00

2146 2148 2150 2152 2154 2156 2158

MATCH LINE 2160+00

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

SLOPE INTERCEPT (TYP)

RIPRAP MEDIUM
L=16 FT
W=8 FT

RIPRAP MEDIUM
L=16 FT
W=8 FT

N

CHURCH ST

SITE *D25
0.44 ACRES M
0.44 ACRES TOTAL

M = WET MEADOW

IH 39 SB

IH 39 NB

MATCH LINE 2160+00

2162 2164 2166 2168 2170 2172 2174

MATCH LINE 2175+00

RIPRAP MEDIUM
L=12 FT
W=6 FT

PROPOSED R/W (TYP)

RIPRAP HEAVY
L=20 FT
W=10 FT

RIPRAP HEAVY
L=12 FT
W=6 FT

DELINEATED WETLANDS (TYP)
NOTE, GRAY SHADE DENOTES
PERMITTED WETLAND IMPACT

EXISTING R/W (TYP)

SLOPE INTERCEPT (TYP)

RIPRAP MEDIUM
L=12 FT
W=6 FT

RIPRAP MEDIUM
L=14 FT
W=7 FT

N

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 08 OF 09	SHEET 100	E

FILE NAME : 022000_EC (EROSION CONTROL).DWG PLOT DATE : 10/9/2017 5:51 PM PLOT BY : SEH LAYOUT NAME : 08 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

2

MATCH LINE 2175+00

IH 39 SB

2176 2178 2180 2182 IH 39 NB 2184 2186 2188

RIPRAP MEDIUM
L=32 FT
W=6 FT

EROSION MAT
CLASS III TYPE C
WITH SOIL STABILIZER TYPE B

2189+80.82
28.47'LT

2189+11.38
28.49'LT

2189+42.86
29.55'LT

2189+59.54
29.71'LT

2189+52.47
27.65'LT

CC

MATCH LINE 2190+00

C-13-3084
STG 2

RIPRAP HEAVY
(SEE STRUCTURE PLANS)

CHURCH ST

SLOPE INTERCEPT (TYP)

30'

COMPOST TUBES

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

N

IH 39 SB

MATCH LINE 2190+00

2190 2192 2194 2196 IH 39 NB 2198 2200 2202 2204

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

END PROJECT 1007-11-71
BEGIN PROJECT 1007-11-76
STA 2195+00

EROSION CONTROL LEGEND

- SOIL STABILIZER TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- STONE OR ROCK DITCH CHECKS
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALE

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 09 OF 09	SHEET 101	E

FILE NAME : 022000_EC (EROSION CONTROL).DWG | PLOT DATE : 10/9/2017 5:52 PM | PLOT BY : SEH | LAYOUT NAME : 09 | PLOT SCALE : 1.0 IN = 100.0 FT

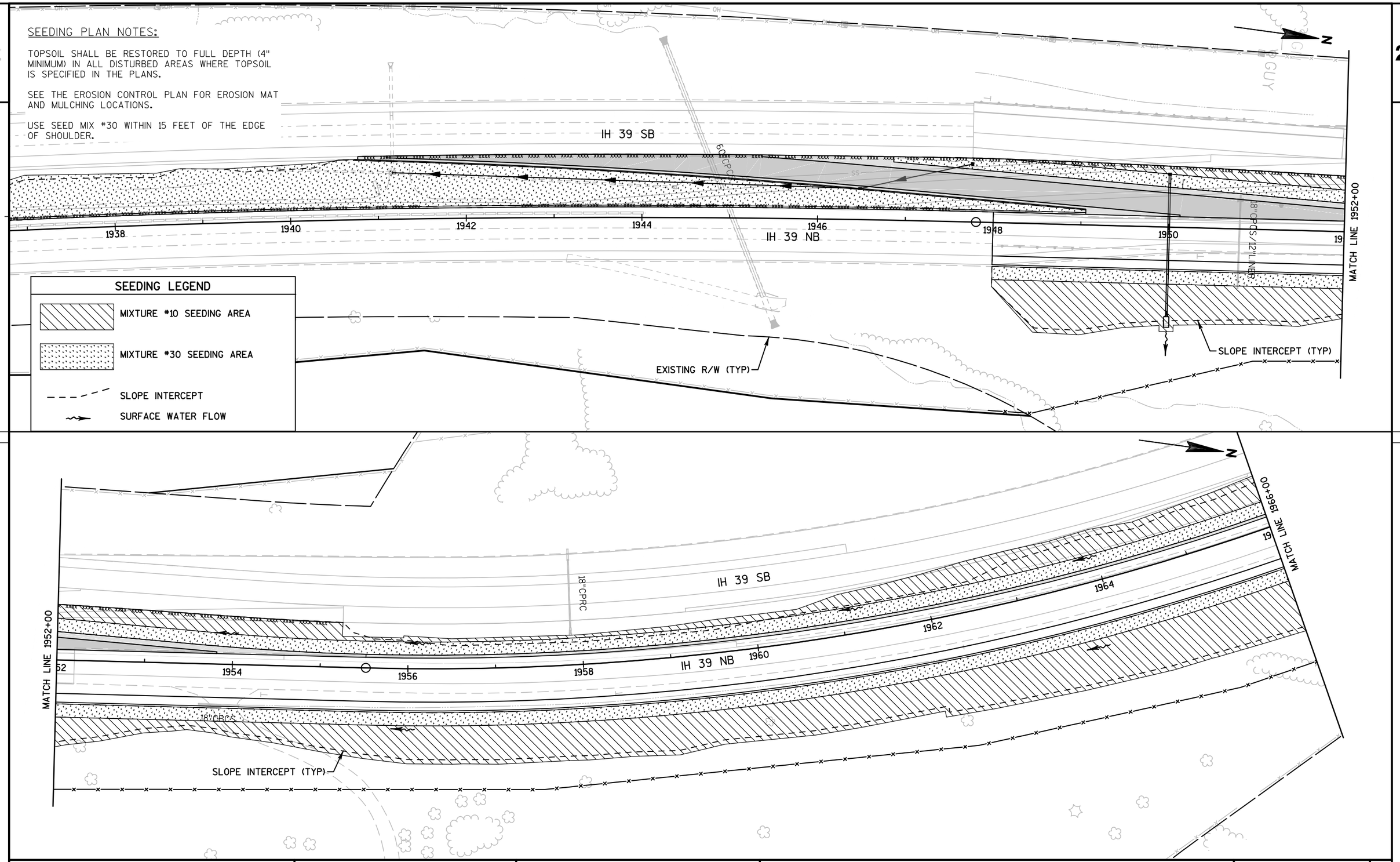
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

SEEDING PLAN NOTES:

TOPSOIL SHALL BE RESTORED TO FULL DEPTH (4" MINIMUM) IN ALL DISTURBED AREAS WHERE TOPSOIL IS SPECIFIED IN THE PLANS.

SEE THE EROSION CONTROL PLAN FOR EROSION MAT AND MULCHING LOCATIONS.

USE SEED MIX #30 WITH 15 FEET OF THE EDGE OF SHOULDER.



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	SEEDING PLAN	PAGE 01 OF 09	SHEET 102	E

FILE NAME : 022000_EC (EC SEEDING).DWG | PLOT DATE : 10/9/2017 5:53 PM | PLOT BY : SEH | LAYOUT NAME : 01 | PLOT SCALE : 1.0 IN = 100.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

MATCH LINE 1966+00

1968

1970

1972

1974

1976

1978

1980

IH 39 SB

IH 39 NB

MATCH LINE 1980+50

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

SLOPE INTERCEPT (TYP)

SEEDING LEGEND

MIXTURE #10 SEEDING AREA

MIXTURE #30 SEEDING AREA

SLOPE INTERCEPT

SURFACE WATER FLOW

36"CPCS

36"CPCS

18"CPCS/12"LINER

42"CPCS/30"LINER

18"CPCS/12"LINER

48"CPCS/36"LINER

18"CPCS/12"LINER

IH 39 SB

1982

1984

1986

1988

IH 39 NB

1990

1992

1994

MATCH LINE 1980+50

MATCH LINE 1995+40

PROPOSED R/W (TYP)

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

CTH BL

N

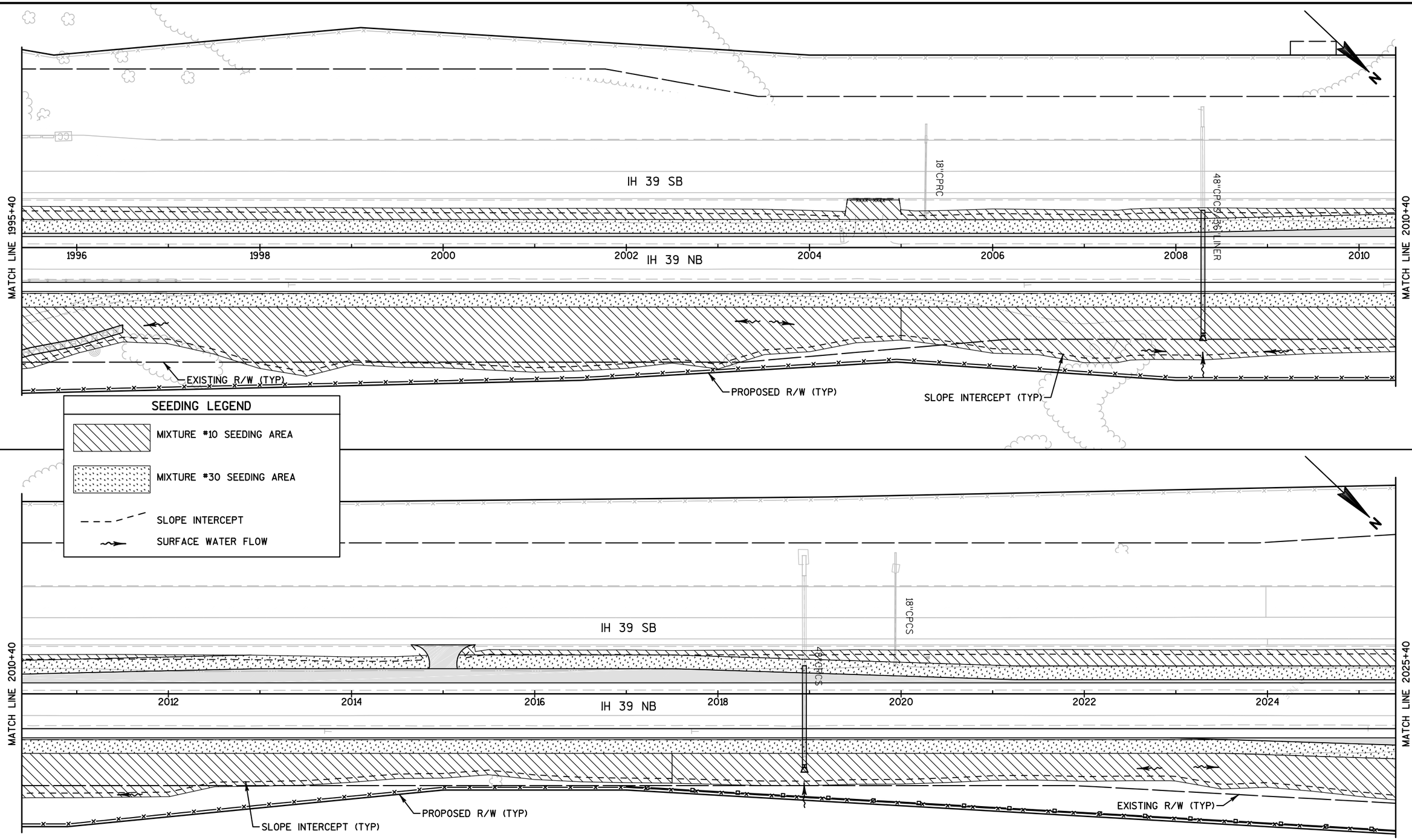
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	SEEDING PLAN	PAGE 02 OF 09	SHEET	E

FILE NAME : 022000_EC (EC SEEDING).DWG PLOT DATE : 10/9/2017 5:54 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2



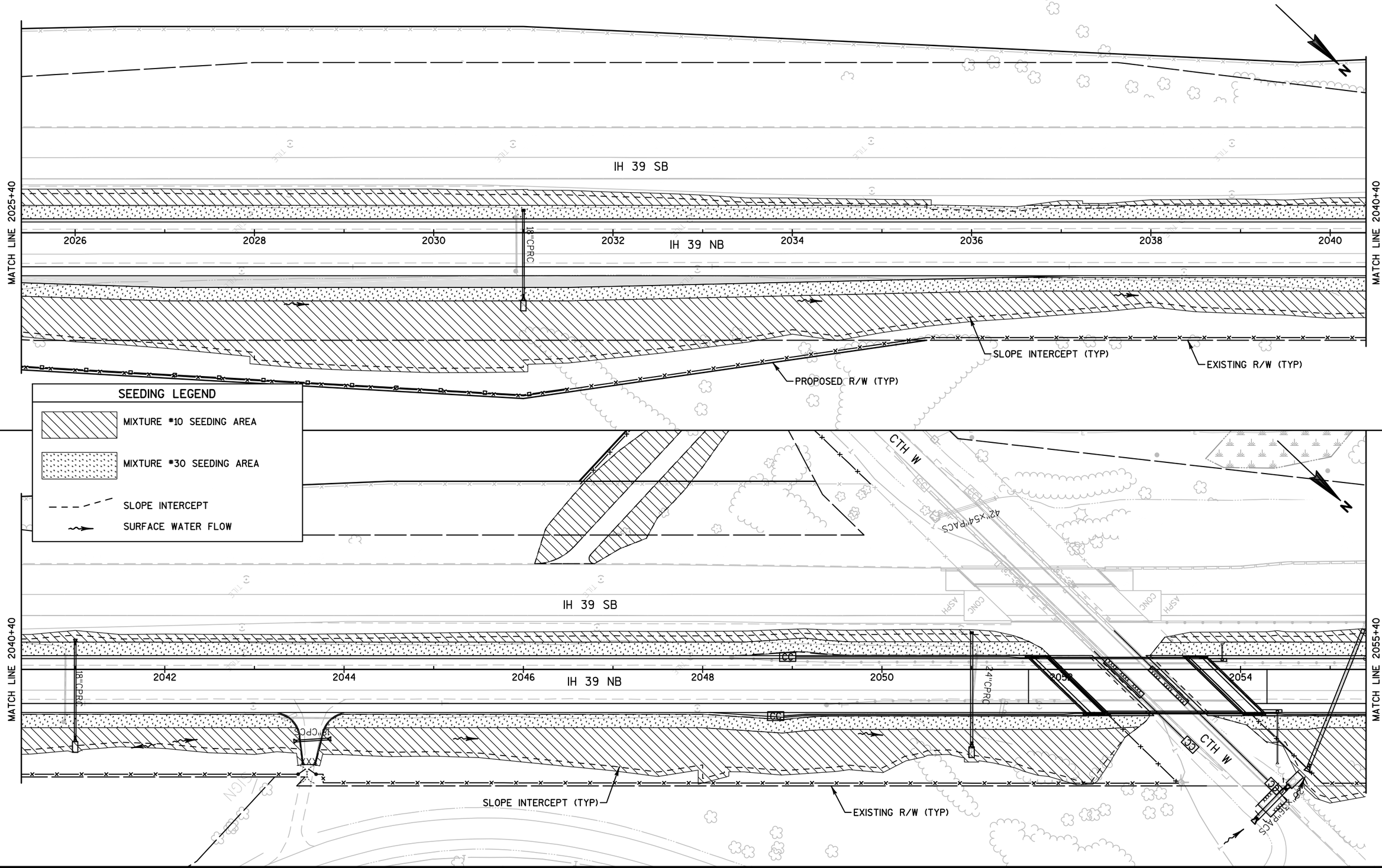
SEEDING LEGEND

- MIXTURE #10 SEEDING AREA
- MIXTURE #30 SEEDING AREA
- SLOPE INTERCEPT
- SURFACE WATER FLOW

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	SEEDING PLAN	PAGE 03 OF 09	SHEET 104	E

2

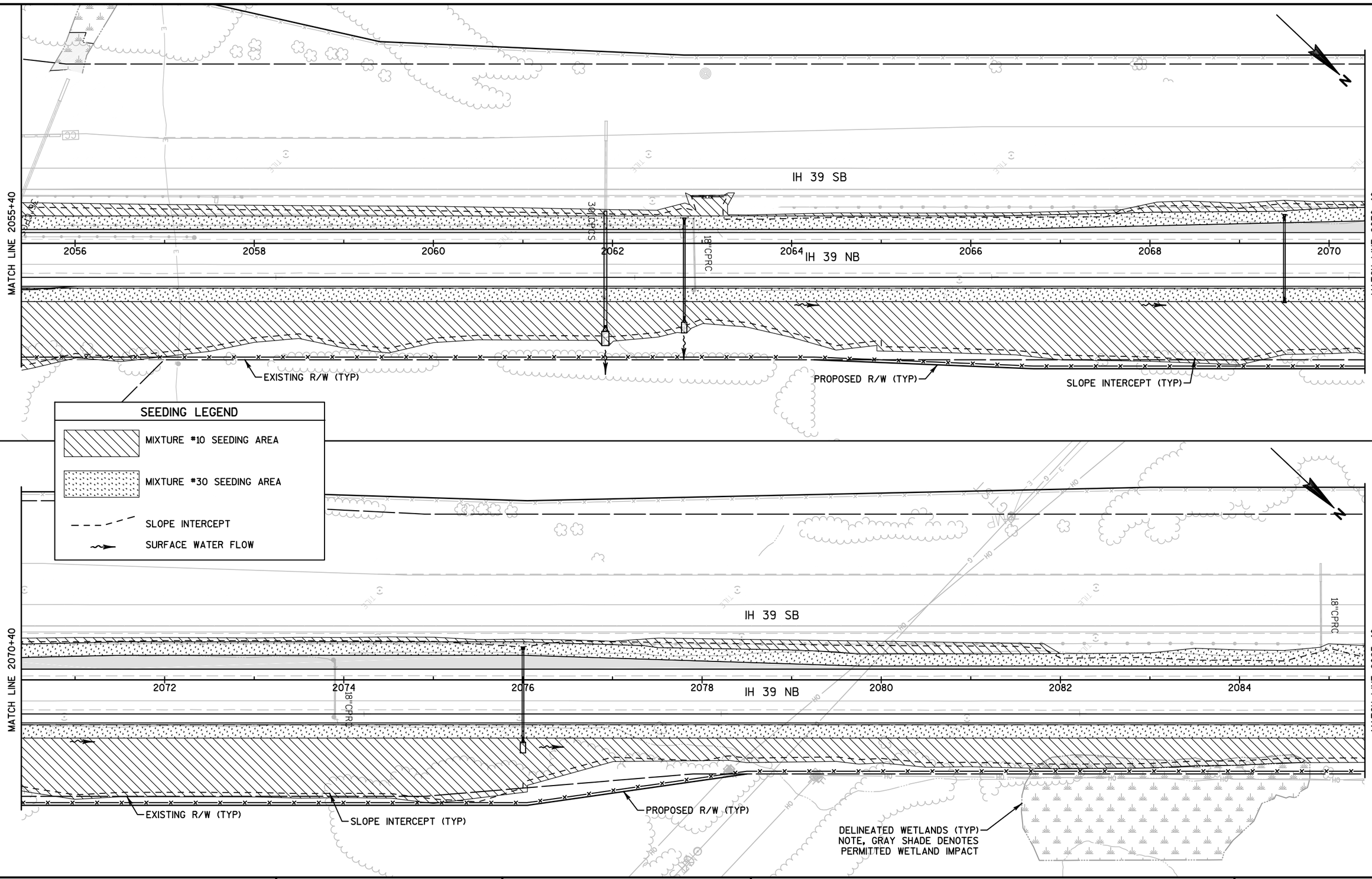


PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	SEEDING PLAN	PAGE 04 OF 09	SHEET 105	E

FILE NAME : 022000_EC (EC SEEDING).DWG | PLOT DATE : 10/9/2017 5:54 PM | PLOT BY : SEH | LAYOUT NAME : 04 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS



SEEDING LEGEND

- MIXTURE #10 SEEDING AREA
- MIXTURE #30 SEEDING AREA
- SLOPE INTERCEPT
- SURFACE WATER FLOW

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	SEEDING PLAN	PAGE 05 OF 09	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022000_EC (EC SEEDING).DWG PLOT DATE : 10/9/2017 5:54 PM PLOT BY : SEH LAYOUT NAME : 05 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 2085+40

MATCH LINE 2100+40

IH 39 SB

IH 39 NB

2086 2088 2090 2092 2094 2096 2098 2100

18"PRC

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

SEEDING LEGEND

MIXTURE #10 SEEDING AREA

MIXTURE #30 SEEDING AREA

SLOPE INTERCEPT

SURFACE WATER FLOW

MATCH LINE 2100+40

MATCH LINE 2115+40

IH 39 SB

IH 39 NB

2102 2104 2106 2108 2110 2112 2114

18"CPRC

48"CPRC

24"CPRC

15"CPRC

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

SLOPE INTERCEPT (TYP)

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	SEEDING PLAN	PAGE 06 OF 09	SHEET 107	E

FILE NAME : 022000_EC (EC SEEDING).DWG PLOT DATE : 10/9/2017 5:55 PM PLOT BY : SEH LAYOUT NAME : 06 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02

2

2

MATCH LINE 2115+40

MATCH LINE 2130+00

MATCH LINE 2130+00

MATCH LINE 2145+00

DROTNING RD

DROTNING RD

30"CPC

IH 39 SB

IH 39 NB

IH 39 SB

IH 39 NB

18"CPRC

18"CPRC

18"CPRC

2116

2118

2120

2122

2124

2126

2128

2130

2132

2134

2136

2138

2140

2142

2144

N

N

SEEDING LEGEND

MIXTURE #10 SEEDING AREA

MIXTURE #30 SEEDING AREA

SLOPE INTERCEPT

SURFACE WATER FLOW

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

SLOPE INTERCEPT (TYP)

DELINEATED WETLANDS (TYP)
NOTE, GRAY SHADE DENOTES
PERMITTED WETLAND IMPACT

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

SLOPE INTERCEPT (TYP)

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	SEEDING PLAN	PAGE 07 OF 09	SHEET	E

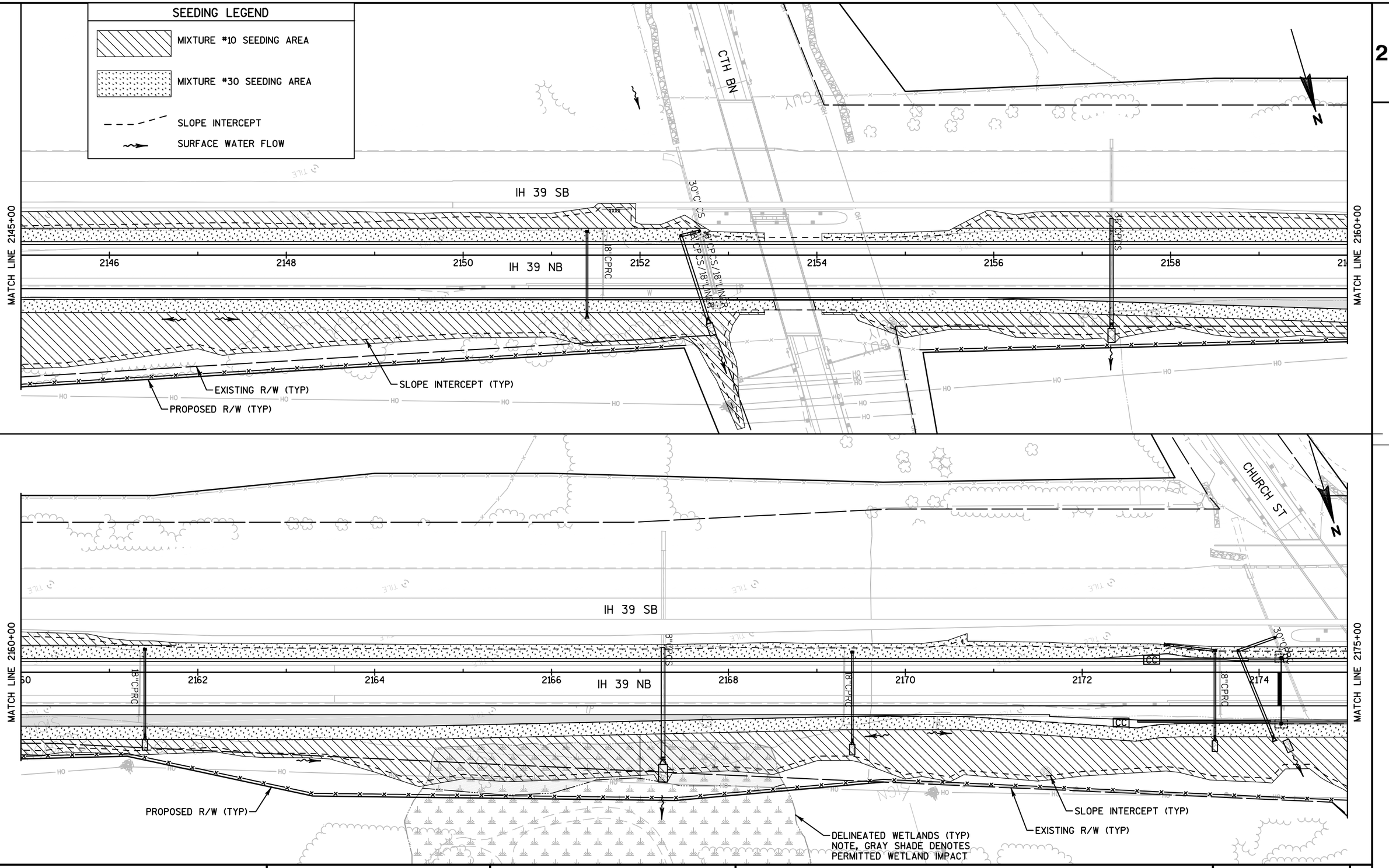
FILE NAME : 022000_EC (EC SEEDING).DWG | PLOT DATE : 11/8/2017 6:35 AM | PLOT BY : SEH | LAYOUT NAME : 07 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

SEEDING LEGEND

- MIXTURE #10 SEEDING AREA
- MIXTURE #30 SEEDING AREA
- SLOPE INTERCEPT
- SURFACE WATER FLOW



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	SEEDING PLAN	PAGE 08 OF 09	SHEET	E

FILE NAME : 022000_EC (EC SEEDING).DWG | PLOT DATE : 10/9/2017 5:55 PM | PLOT BY : SEH | LAYOUT NAME : 08 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 2175+00

MATCH LINE 2190+00

IH 39 SB

IH 39 NB

2176 2178 2180 2182 2184 2186 2188

18"CPRC

18"CPRC

7.0'(W)x8.

C-13

53

CHURCH ST

SLOPE INTERCEPT (TYP)

RIPRAP MEDIUM

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

HO

N

30"CPSP

IH 39 SB

2204 2202 2200 2198 2196 2194 2192 90

30"CPCS

IH 39 NB

MATCH LINE 2190+00

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

END PROJECT 1007-11-71
STA 2195+00

SEEDING LEGEND

MIXTURE #10 SEEDING AREA

MIXTURE #30 SEEDING AREA

SLOPE INTERCEPT

SURFACE WATER FLOW

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	SEEDING PLAN	PAGE 09 OF 09	SHEET 110	E

FILE NAME : 022000_EC (EC SEEDING).DWG PLOT DATE : 10/9/2017 5:56 PM PLOT BY : SEH LAYOUT NAME : 09 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007117L\SEC 02 TYPICAL SECTIONS & DETAILS

2

IH 39 SB

N

X279-E1 STA 1941+17 , 52.9' LT
TIE INTO EXISTING INLET

1941 1942 1943 1944 1945 1946

MATCH LINE 1946+25

IH 39 NB

X279-E1

928.18

924.72

923.81

533 LF CPRC CLASS III 18-INCH @ 0.7%

EXISTING 60-INCH RCP

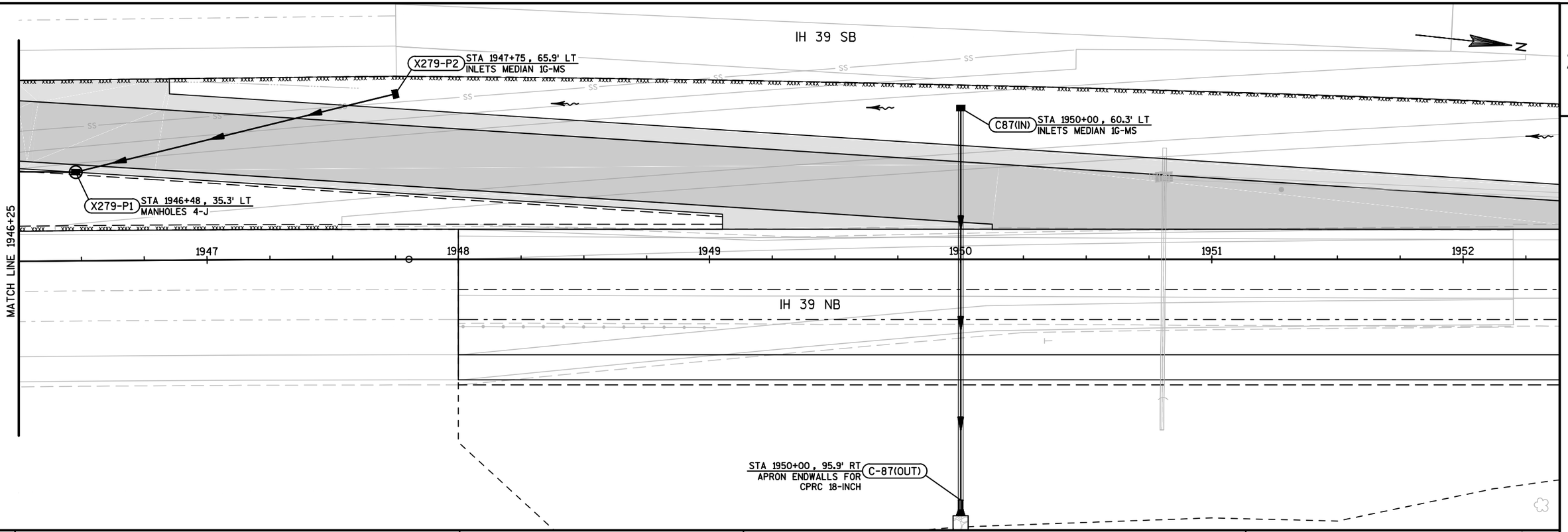
932 930 928 926 924 922 920 918 916

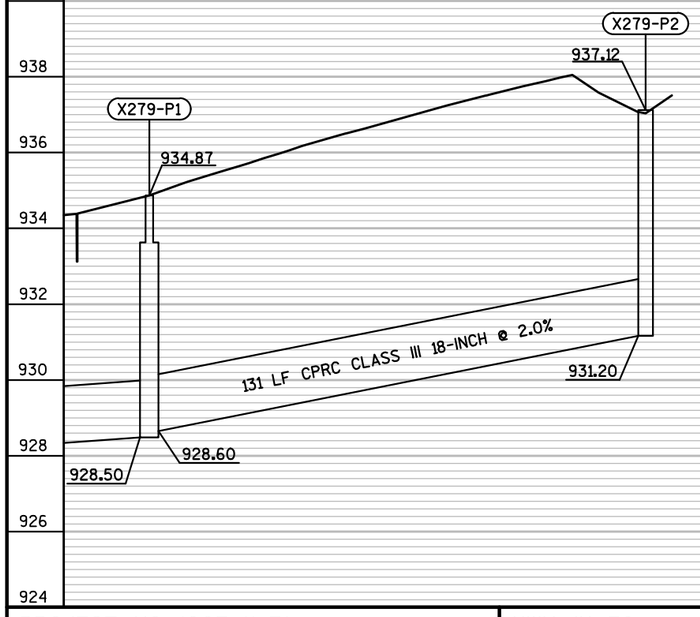
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 01 OF 07	SHEET	E

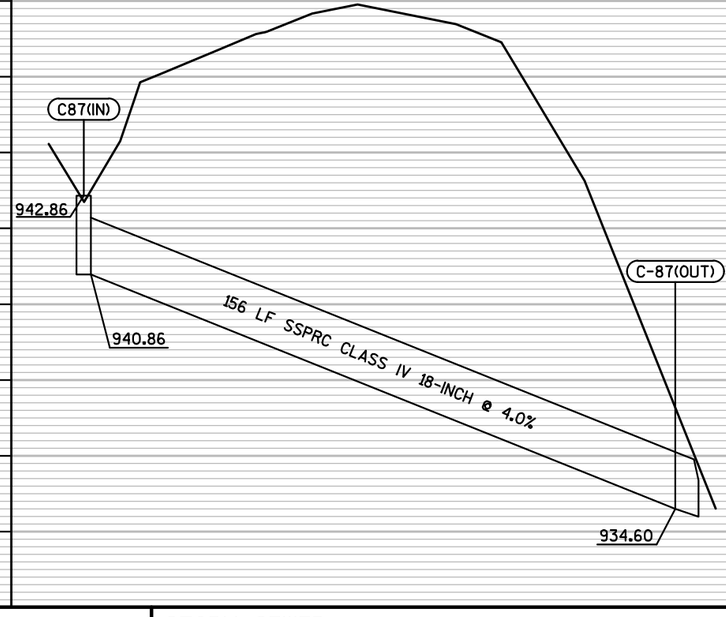
FILE NAME : 022501_SS (STORM SEWER DETAILS).DWG
PLOT DATE : 10/9/2017 5:59 PM
PLOT BY : SEH
LAYOUT NAME : 01
PLOT SCALE : 1 IN = 40.0 FT
WISDOT/CADDS SHEET 42

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYP

2



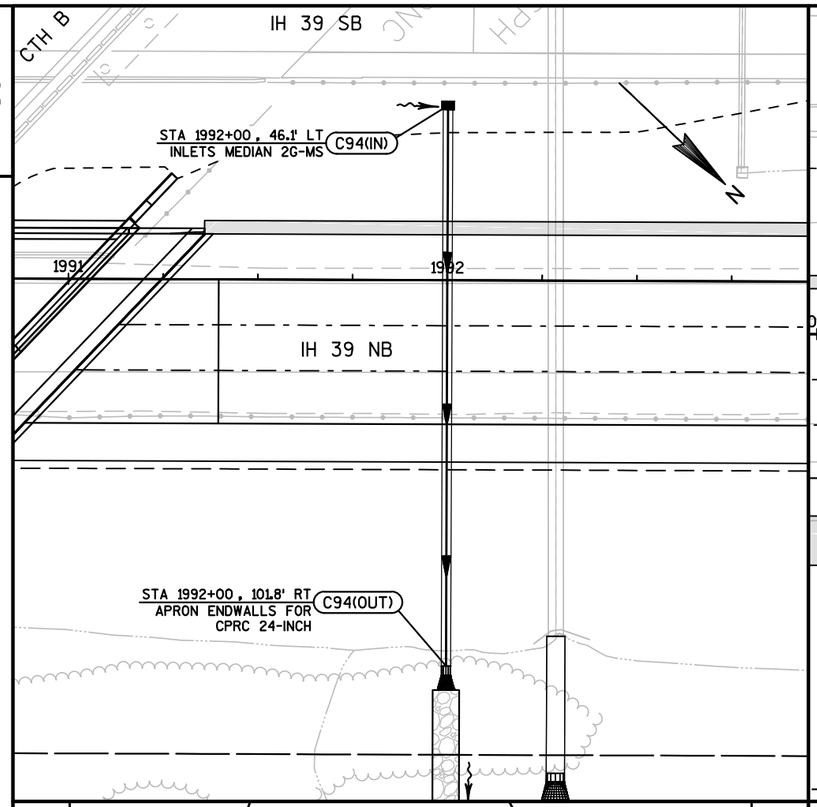


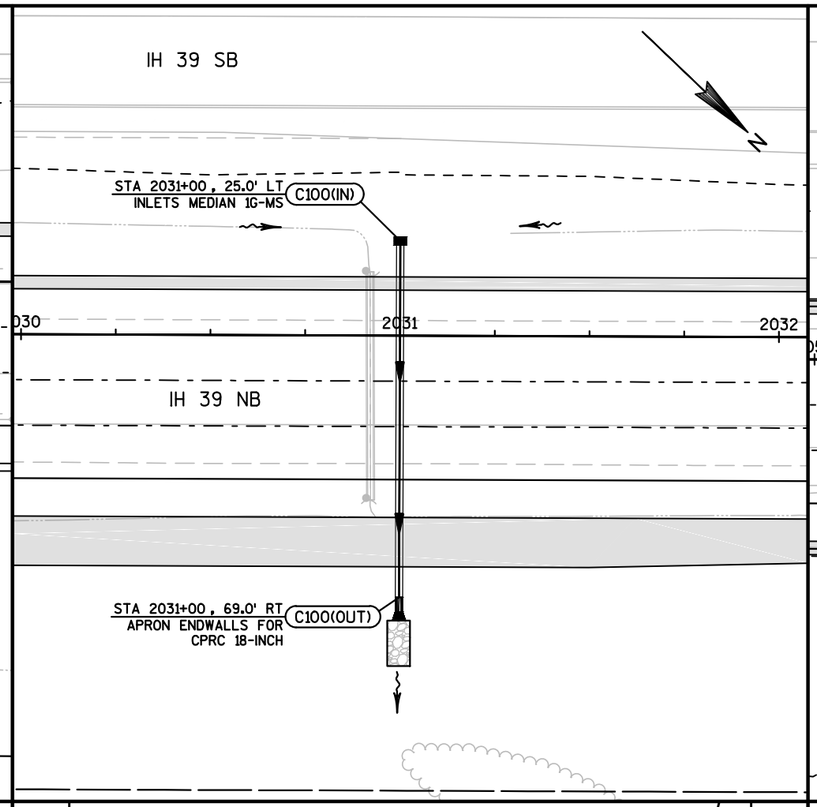


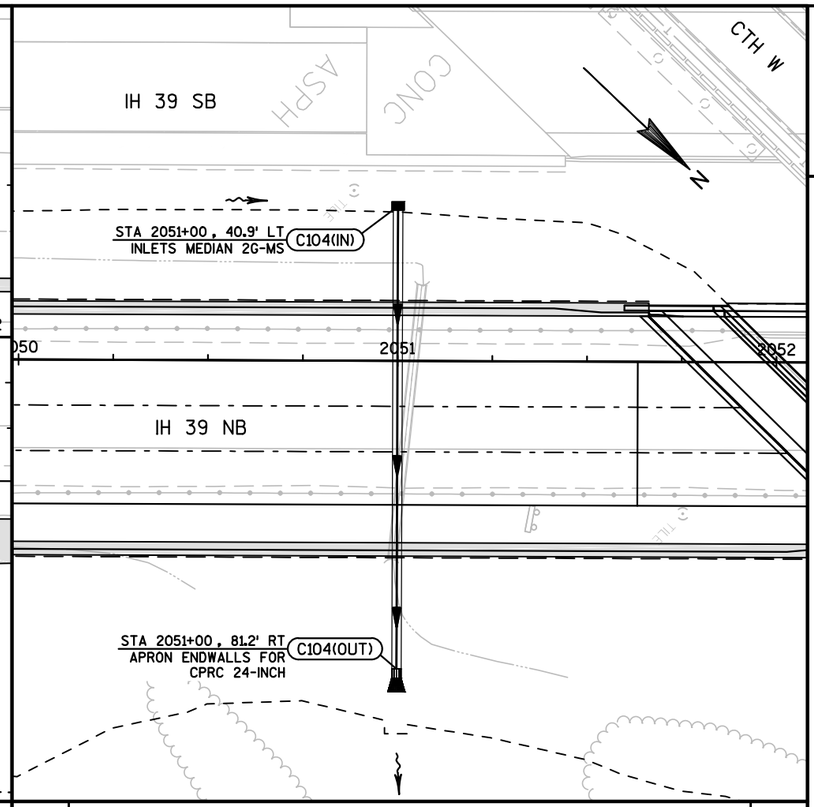
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 02 OF 07	SHEET	E

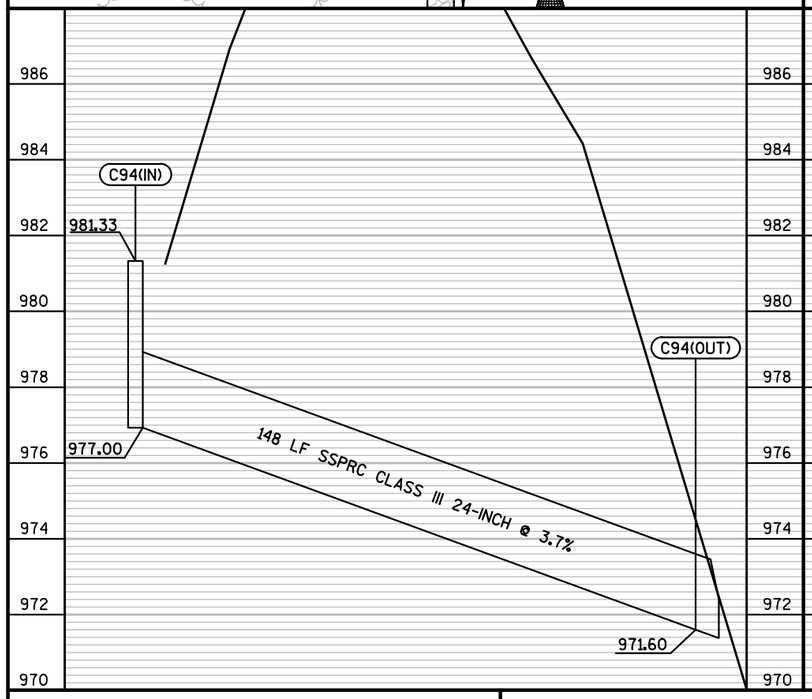
FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

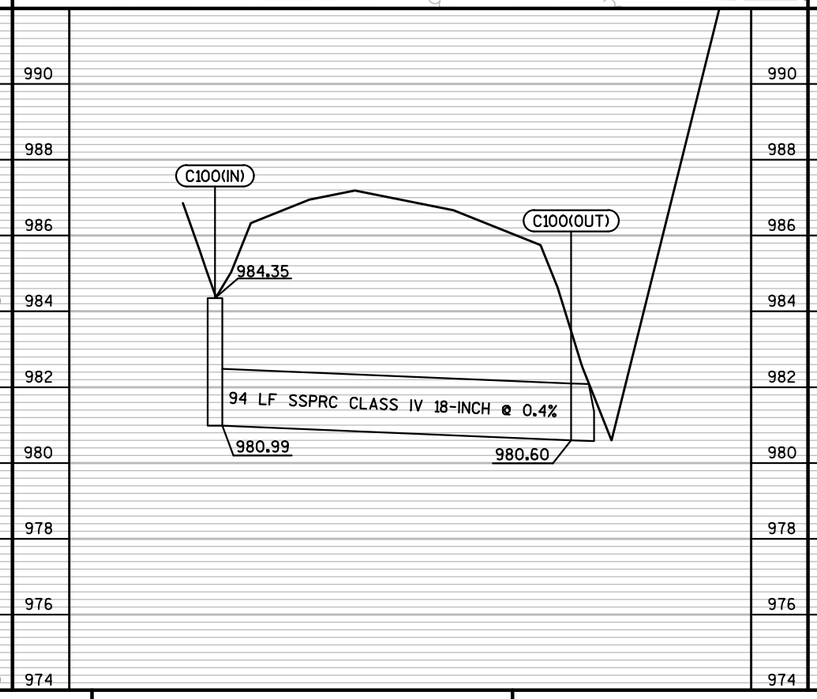
FILE NAME : 022501_SS (STORM SEWER DETAILS).DWG PLOT DATE : 10/9/2017 5:59 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1 IN = 40.0 FT

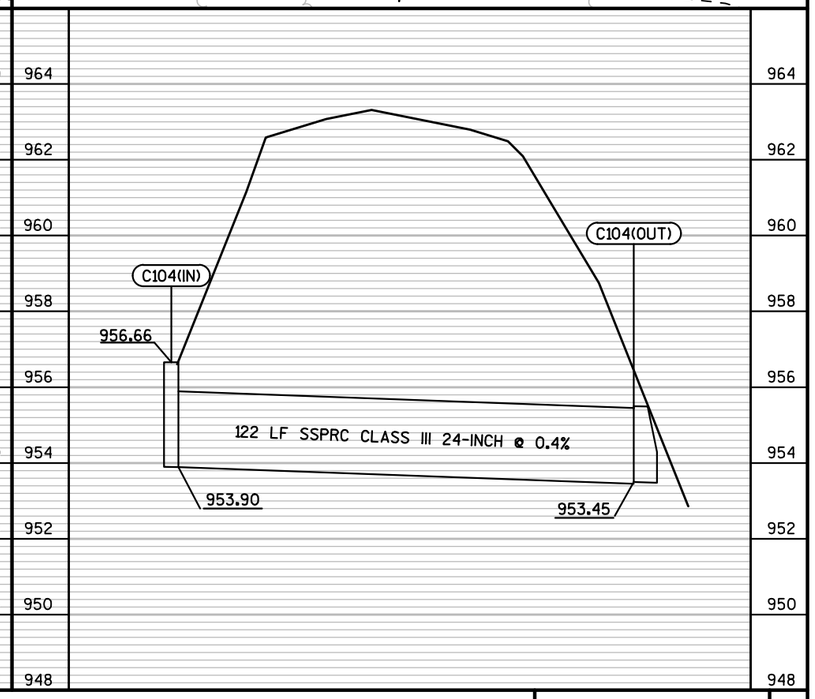






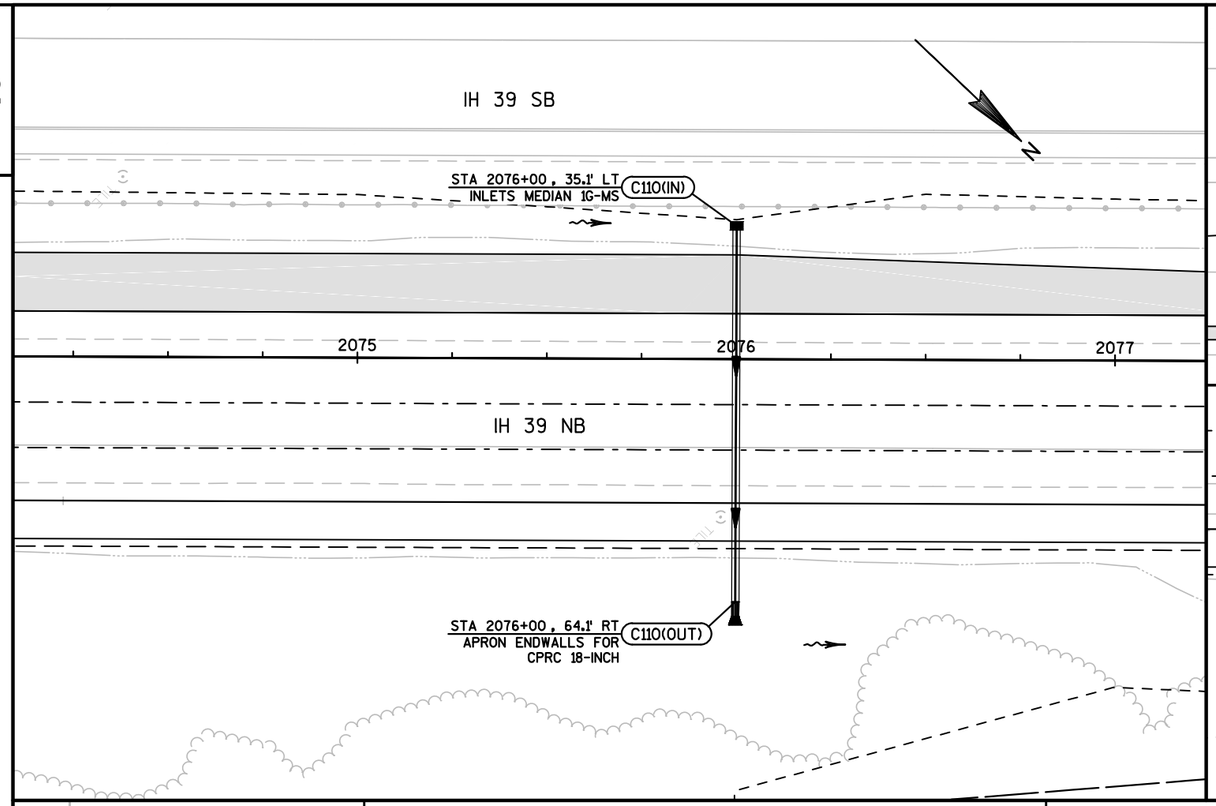


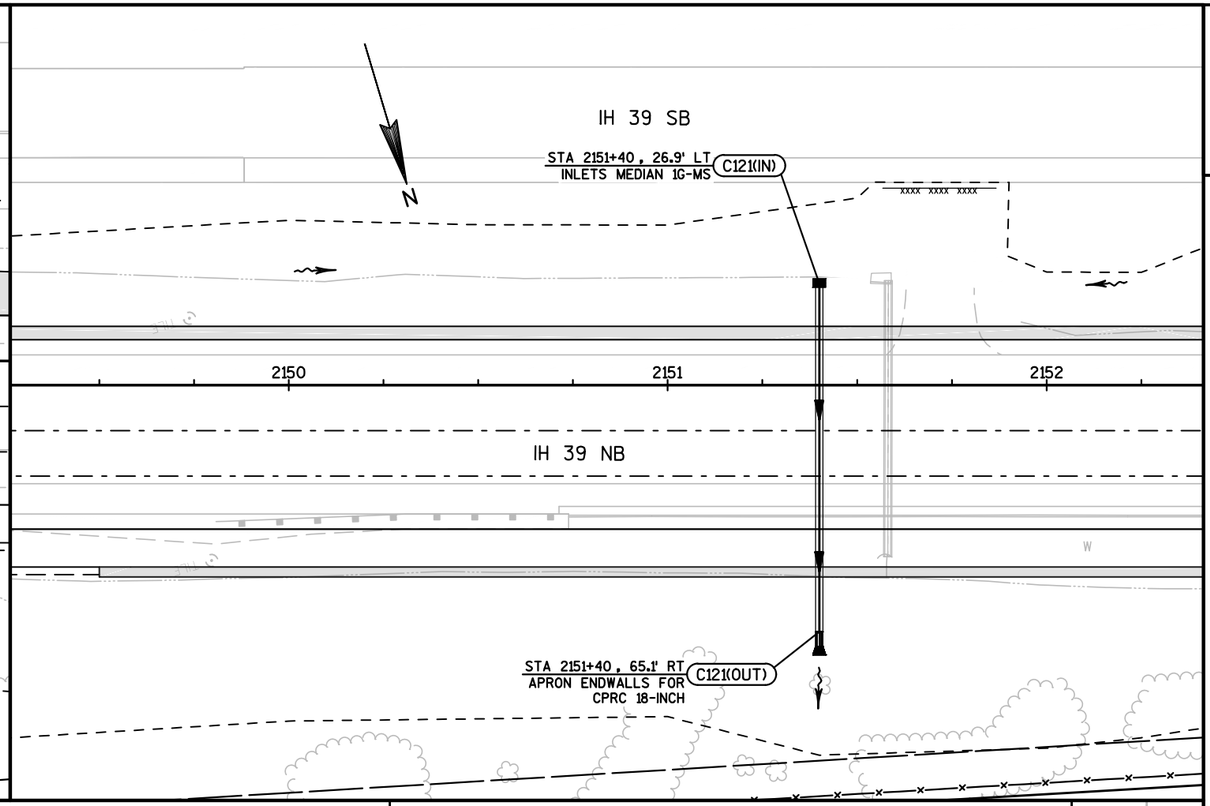


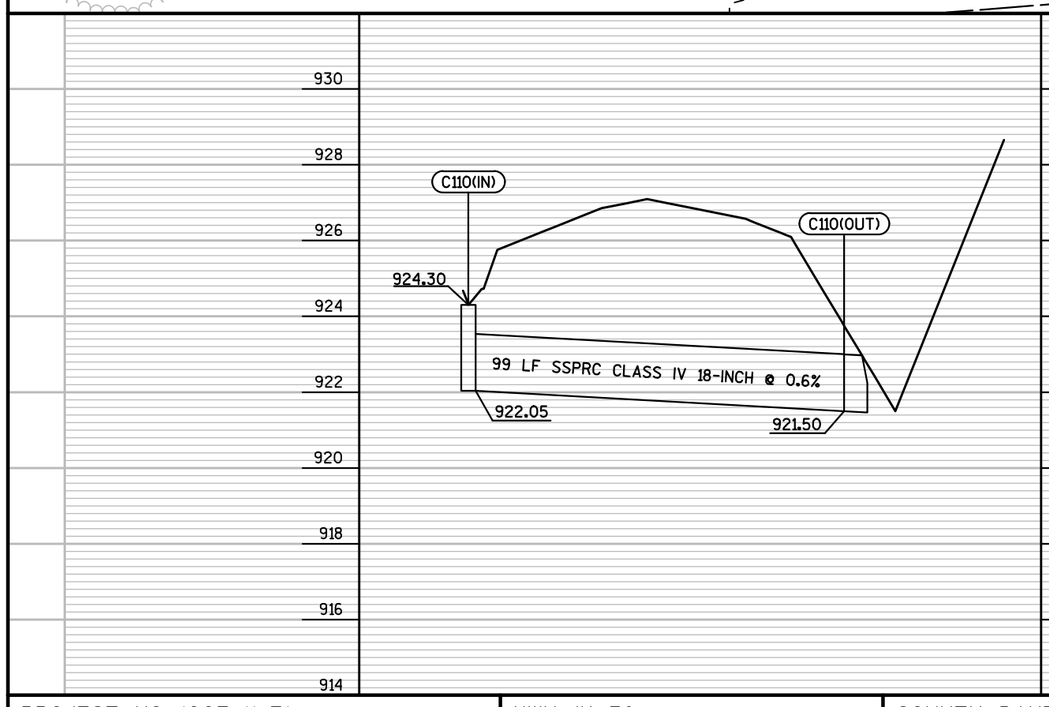


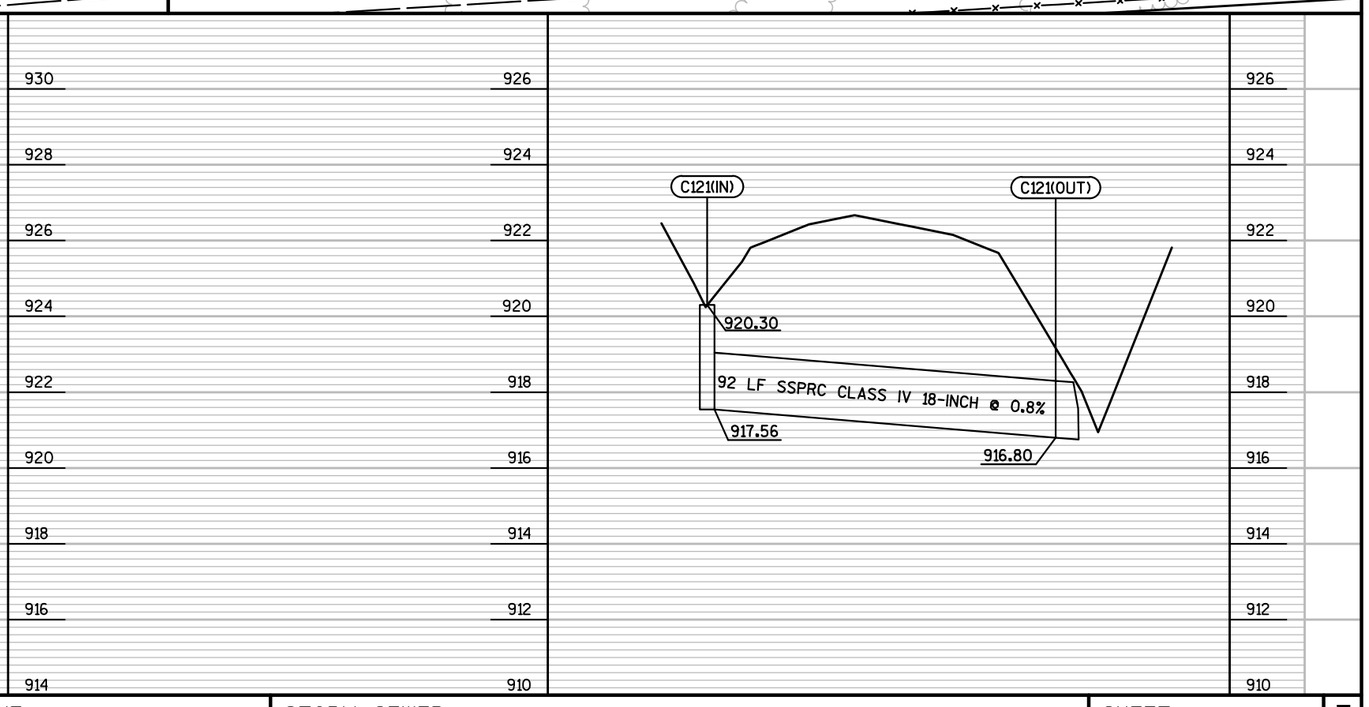
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 03 OF 07	SHEET E

2









PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 04 OF 07	SHEET	E

2

CTH BN

IH 39 SB

N

C122T(MH) (1) STA 2152+67, 27.0' LT
MANHOLES 5-J

C122(MH) (2) STA 2152+46, 22.0' LT
MANHOLES 6-J

2152 2153 2154

IH 39 NB

RIPRAP

C122(OUT) STA 2152+76, 71.2' RT
APRON ENDWALLS FOR
CPRC 30-INCH

IH 39 SB

N

STA 2161+40, 25.9' LT C126(IN)
INLETS MEDIAN 1G-MS

2160 2161 2162

IH 39 NB

STA 2161+40, 70.2' RT C126(OUT)
APRON ENDWALLS FOR
CPRC 18-INCH

2

926 924 922 920 918 916 914 912 910

C122T(MH) (1)
C122(MH) (2)
921.79
920.80
EXISTING 30"
CPCS @ 2.14%
(917.95)
22 LF SSPRC CLASS III 24-INCH
@ 0.8%
98 LF SSPRC CLASS IV 30-INCH @ 0.8%
915.00
914.82
914.82
C122(OUT)
914.00

926 924 922 920 918 916 914 912 910
916 914 912 910 908 906 904 902 900

C126(IN)
910.60
C126(OUT)
96 LF SSPRC CLASS IV 18-INCH @ 1.3%
907.82
906.60

916 914 912 910 908 906 904 902 900

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 05 OF 07	SHEET E

FILE NAME : 022501_SS (STORM SEWER DETAILS).DWG PLOT DATE : 10/9/2017 6:02 PM PLOT BY : SEH LAYOUT NAME : 05 PLOT SCALE : 1 IN = 40.0 FT

WISDOT/CADDS SHEET 42

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007111

IH 39 SB

STA 2169+40 , 22.7' LT
INLETS MEDIAN 1G-MS
C127(IN)

STA 2173+50 , 24.6' LT
INLETS MEDIAN 1G-MS
C129T(IN)

N

CC

2168 2169 2170 2171 2172 2173

STA 2172+99 , 30.6' LT
APRON ENDWALLS FOR
CPRC 18-INCH
C129(IN)

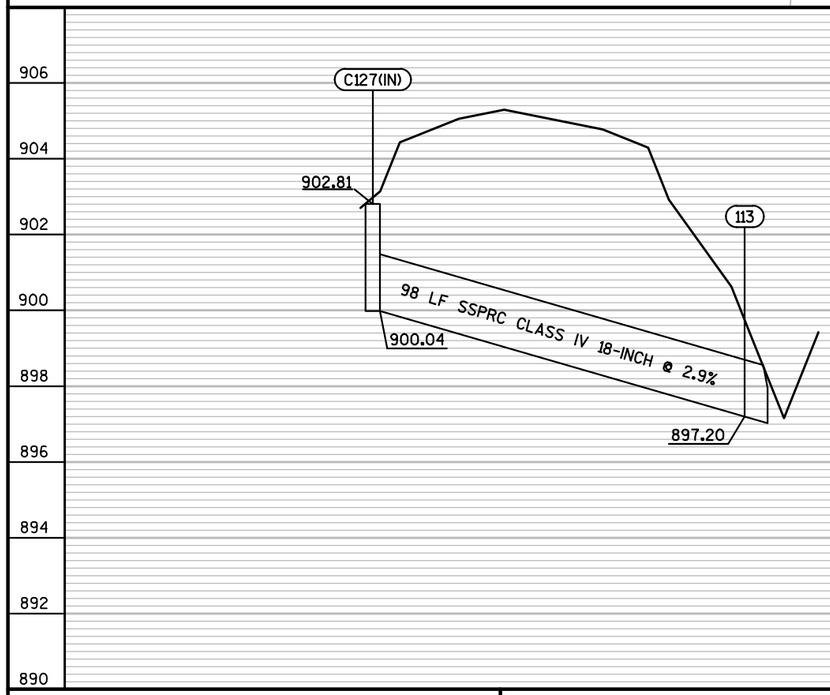
IH 39 NB

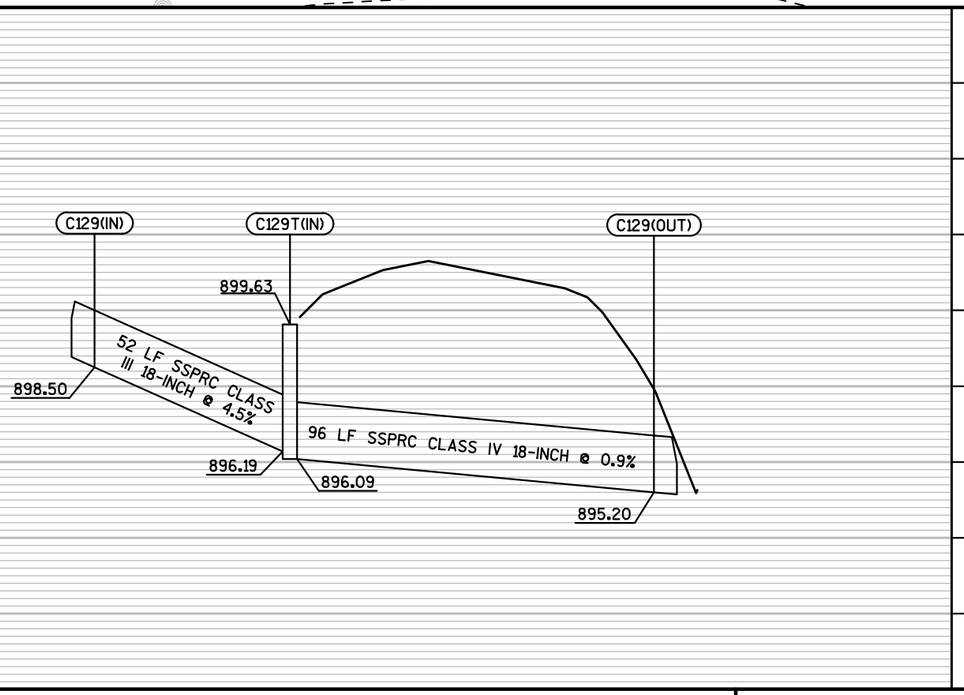
MATCH LINE 2173+70

CC

STA 2169+40 , 75.5' RT
APRON ENDWALLS FOR
CPRC 18-INCH
113

STA 2173+50 , 71.5' RT
APRON ENDWALLS FOR
CPRC 18-INCH
C129(OUT)





PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 06 OF 07	SHEET	E

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022501_SS (STORM SEWER DETAILS).DWG PLOT DATE : 10/9/2017 6:02 PM PLOT BY : SEH LAYOUT NAME : 06 PLOT SCALE : 1 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

CHURCH ST

IH 39 SB

N

C130T(MH) STA 2174+18 , 39.2' LT
MANHOLES 5-L

MATCH LINE 2173+70

2174 2175 2176 2177 2178 2179

S-13-471

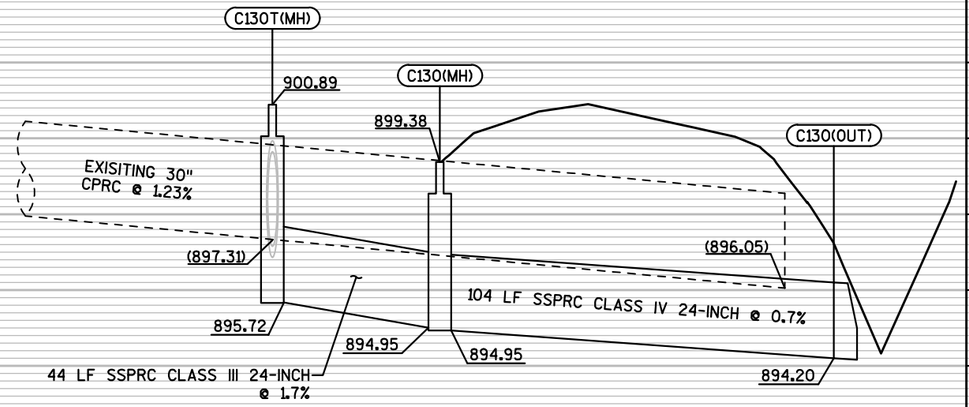
C130(MH) STA 2173+76 , 24.2' LT
MANHOLES 5-L

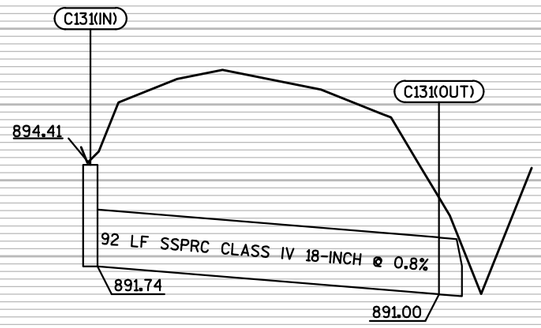
IH 39 NB

C130(OUT) STA 2174+15 , 72.1' RT
APRON ENDWALLS FOR
CPRC 24-INCH

STA 2178+00 , 22.9' LT
INLETS MEDIAN 1G-MS C131(IN)

STA 2178+00 , 69.1' RT
APRON ENDWALLS FOR
CPRC 18-INCH C131(OUT)





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902 896
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896 890
894 888
892 886
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ITS GENERAL NOTES

THESE PLANS AND THE ASSOCIATED SPECIAL PROVISIONS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS AND SPECIAL PROVISIONS. ALL SCALES, DIMENSIONS, AND LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION OF WORK SHOWN IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE APPLICATION OF ALL WORK SHOWN IN THE PLANS TO THE ACTUAL PHYSICAL FIELD CONDITIONS TO PROVIDE A COMPLETE AND ACCEPTED PROJECT. IN THE EVENT THAT ACTUAL PHYSICAL FIELD CONDITIONS AFFECT OR PREVENT THE APPLICATION OR PROGRESSION OF ANY WORK SHOWN IN THE PLANS OR SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, AND PRIOR TO ANY FURTHER WORK ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY LOCATION CHANGES.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.

NO TEST BORINGS WERE MADE WHERE CONDUIT, PULL BOXES, POLES, FOUNDATIONS, OR OTHER EQUIPMENT IS TO BE INSTALLED.

THE CONTRACTOR IS FULLY RESPONSIBLE FOR EXAMINING THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

AREAS WITHIN RIGHT-OF-WAY DISTURBED SPECIFICALLY FOR ITS CONSTRUCTION ARE TO BE RESTORED TO THE ORIGINAL CONDITION WITH TOPSOIL, FERTILIZER, SEED, AND MULCH. RESTORATION FOR AREAS DISTURBED FOR OTHER CONSTRUCTION OPERATIONS, BUT ALSO CONTAINING ITS CONSTRUCTION, WILL BE DONE ACCORDING TO REQUIREMENTS AND PAYMENT PROVISIONS FOR THE OTHER CONSTRUCTION OPERATIONS. NO PAYMENT WILL BE MADE FOR RESTORING AREAS DISTURBED FOR ITS CONSTRUCTION OPERATIONS.

DUE TO RAMP, LANE, AND SHOULDER CLOSURE RESTRICTIONS AND WORK UNDER OTHER CONTRACTS, SOME WORK MAY BE REQUIRED TO BE PERFORMED AT NIGHT. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING RAMP, LANE, SHOULDER, AND ROADWAY CLOSURES WITH OTHER CONTRACTS IN THE AREA.

NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

HAND DIG TRENCHES NEAR EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE. VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE.

ITS LEGEND

DESCRIPTION	SYMBOL
JUNCTION BOX	▬
CCTV CAMERA	◀▬
GROUND MOUNTED CABINET	▭
POLE MOUNTED CABINET	▬
POLE	●
PULL BOX NON-CONDUCTIVE 24X36	◑
PULL BOX NON-CONDUCTIVE 24X42	⊗
COMMUNICATIONS VAULT	V
COMMUNICATIONS MANHOLE	Ⓜ
MICROWAVE DETECTOR	◆
ITS CONDUIT	- - -
DYNAMIC MESSAGE SIGN, OVERHEAD	▙▁▟
DYNAMIC MESSAGE SIGN, ROADSIDE	▙▮▟
DYNAMIC MESSAGE SIGN, BUTTERFLY	▟▙
DYNAMIC MESSAGE SIGN, CANTILEVER	▁▟
PORTABLE CHANGEABLE MESSAGE SIGN	PCMS
ROAD WEATHER INFORMATION SYSTEM	▮
METER BREAKER PEDESTAL	⊠
METER SOCKET	⊗
BREAKER DISCONNECT BOX	⊞
RAMP CLOSURE GATE	▭▶
BLUETOOTH SENSOR	B
WIRELESS MESH NODE	W
AUTOMATIC TRAFFIC RECORDER	ATR
WOODEN POWER POLE	⊡–
WOOD POST	⊡
TRANSFORMER	⧄
DETECTION ZONE	⬭
QUANTITY POINT	▲

ITS STANDARD ABBREVIATIONS

ATR	-----	AUTOMATIC TRAFFIC RECORDER
CB	-----	CONTROLLER CABINET
CCTV	-----	CLOSED CIRCUIT TELEVISION
CP	-----	CAMERA POLE
CV	-----	COMMUNICATIONS VAULT
DMS	-----	DYNAMIC MESSAGE SIGN
DP	-----	DETECTOR POLE
DS	-----	DRAINAGE STRUCTURE (ON ITS PLANS ONLY)
EX	-----	EXISTING
FO	-----	FIBER OPTIC
JB	-----	JUNCTION BOX
MB	-----	METER BREAKER
MD	-----	MICROWAVE DETECTOR
MH	-----	MANHOLE
MM	-----	MULTIMODE
PB	-----	PULL BOX
PCMS	-----	PORTABLE CHANGEABLE MESSAGE SIGN
PF	-----	POLE FOUNDATION
PP	-----	POWER POLE
QP	-----	QUANTITY POINT
RWIS	-----	ROAD WEATHER INFORMATION SYSTEM
S	-----	OVERHEAD SIGNAL SUPPORT
SB	-----	SIGNAL BASE
SDS	-----	SYSTEM DETECTOR STATION
SM	-----	SINGLE MODE
SWEF	-----	SAFETY AND WEIGHT ENFORCEMENT FACILITY
WDS	-----	WIRELESS DETECTION SENSOR
WIM	-----	WEIGH IN MOTION
WMN	-----	WIRELESS MESH NODE

ITS CONTACTS

WISCONSIN DEPARTMENT OF TRANSPORTATION
SW REGION
MR. KYLE HEMP
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WISCONSIN DEPARTMENT OF TRANSPORTATION
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MR. DEAN BEEKMAN
414-227-2154
MR. DON SCHELL
414-227-2148
433 W. ST. PAUL AVENUE, SUITE 300
MILWAUKEE, WI 53203

SRF CONSULTING GROUP
INTELLIGENT TRANSPORTATION SYSTEMS
MR. JACOB FOLKERINGA
763-452-4730
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763-452-4806
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MINNEAPOLIS, MN 55447

ORIGINAL PLANS PREPARED BY

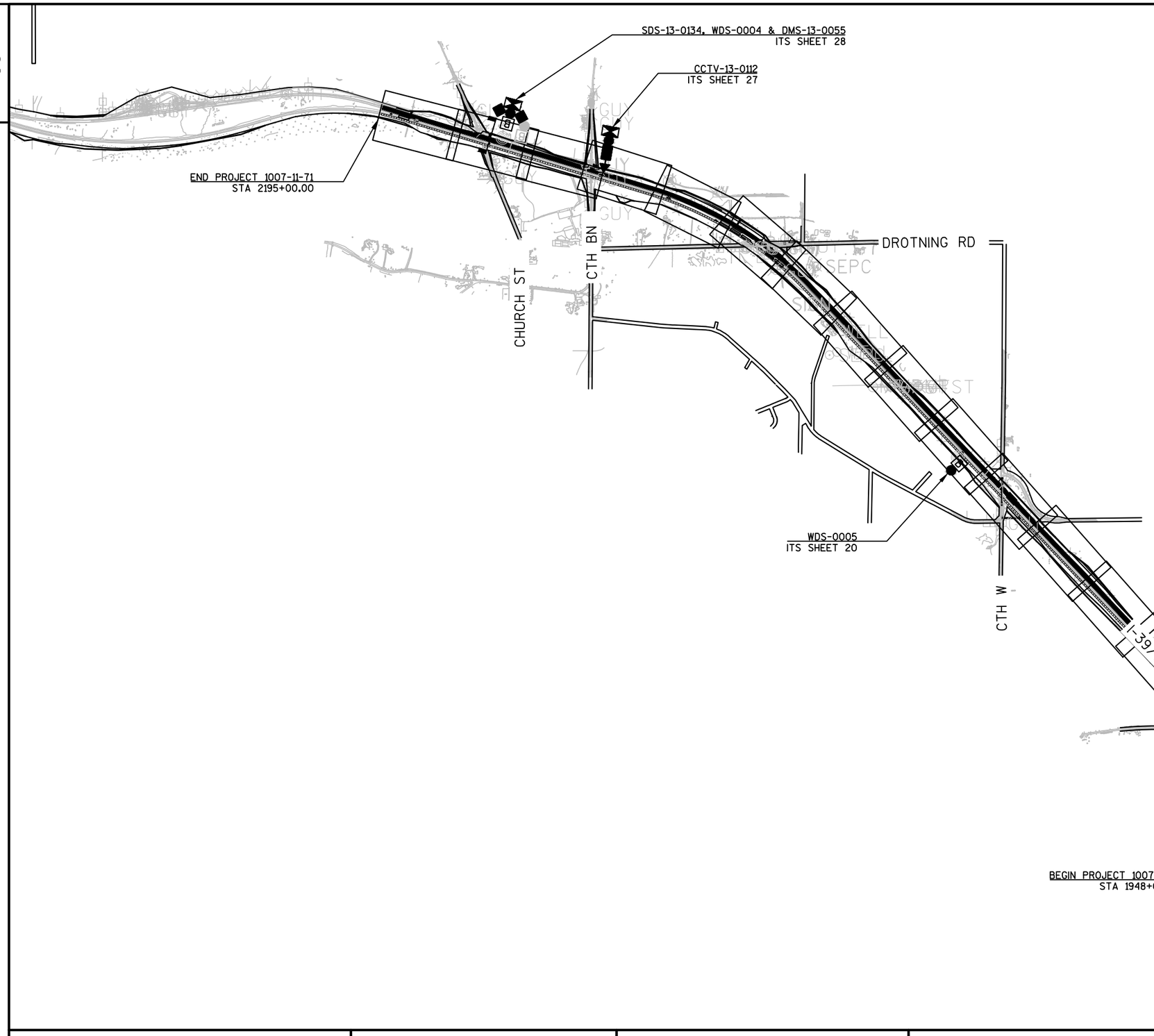
SRF Consulting Group, Inc. | ENGINEERS PLANNERS DESIGNERS

ITS SHEETS 1-29

WISCONSIN
JACOB HW
FOLKERINGA
E-43224
MINNEAPOLIS,
MN
PROFESSIONAL ENGINEER

7/20/2017 (Date)

(Signature)



ITS LEGEND

DESCRIPTION	SYMBOL
POLE MOUNTED CABINET	
CCTV CAMERA	
POLE	
MICROWAVE DETECTOR	
ITS CONDUIT	
DYNAMIC MESSAGE SIGN, OVERHEAD	
DYNAMIC MESSAGE SIGN, ROADSIDE	
BLUETOOTH SENSOR	B

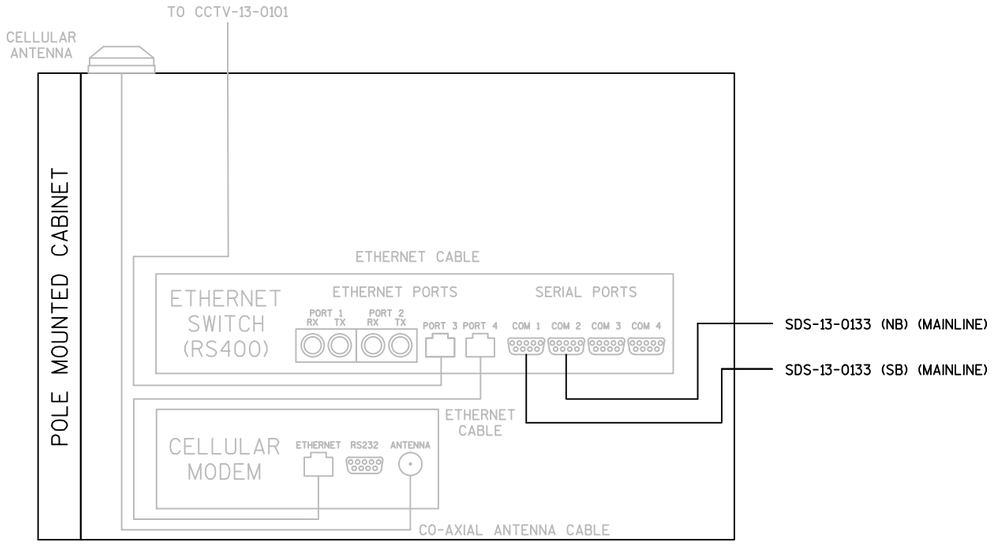
ITS STANDARD ABBREVIATIONS

CCTV	-----	CLOSED CIRCUIT TELEVISION
DMS	-----	DYNAMIC MESSAGE SIGN
SDS	-----	SYSTEM DETECTOR STATION
WDS	-----	WIRELESS DETECTION SENSOR

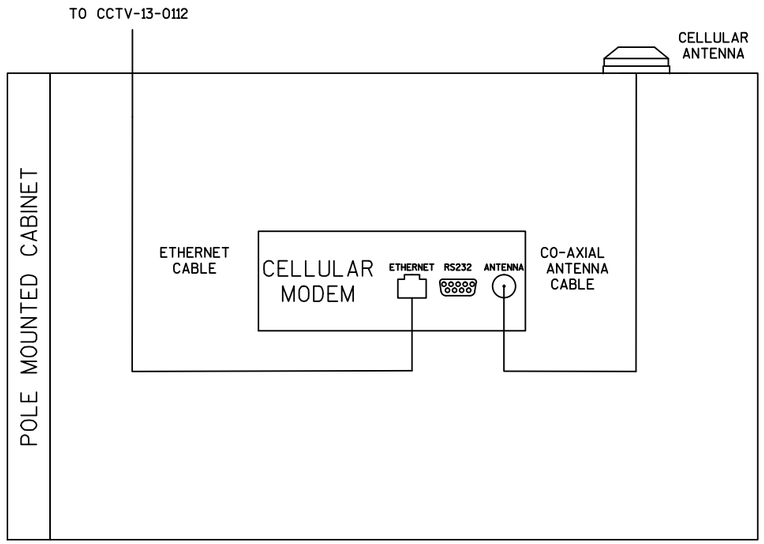
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ITS PROJECT OVERVIEW	SHEET E

FILE NAME : H:\PROJMDSN\8136\CAD_BIM\PLAN\1007-11-71_E CHURCH RD TO CHURCH ST 4.5 MILES_ML\SR_ITS PLANS_10071171.DWG PLOT DATE : 10/10/2017 12:56 PM PLOT BY : CORTNEY FALERO PLOT NAME : PLOT SCALE : 1 IN:2000 FT

NOT TO SCALE



CCTV-13-0101 & SDS-13-0133 - I-39/90 @ SOUTH OF CTH B



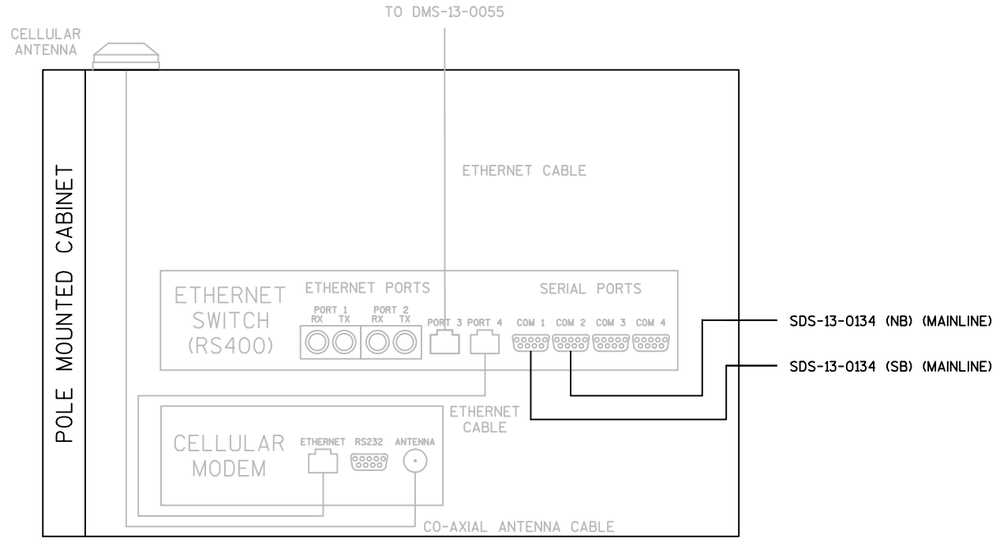
CCTV-13-0112 - IH 39/90 SB @ CTH BN

NOTES

ALL CABLES INCIDENTAL TO DEVICE INSTALLATION.

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ITS COMMUNICATION SCHEMATICS	SHEET 120	E

NOT TO SCALE



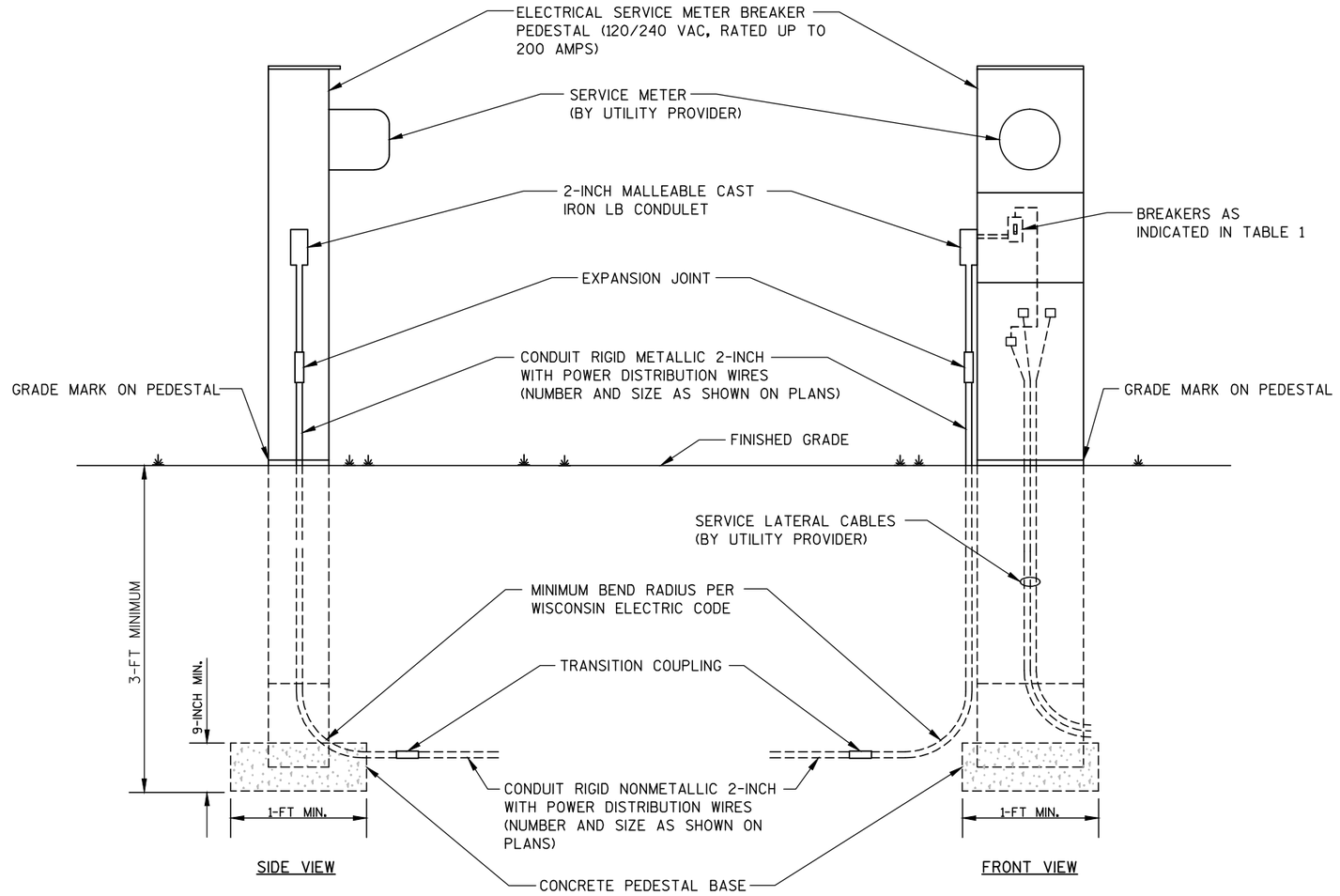
SDS-13-0134, WDS-0004, & DMS-13-0055 - I-39/90 @ CHURCH STREET

NOTES

ALL CABLES INCIDENTAL TO DEVICE INSTALLATION.

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ITS COMMUNICATION SCHEMATICS	SHEET 121	E

NOT TO SCALE



ELECTRICAL SERVICE METER BREAKER PEDESTAL

CCTV-13-0112 - I-39/90 CTH BN

NOTES

MOUNT EQUIPMENT UTILIZING STAINLESS STEEL BANDS OR METHOD APPROVED BY THE ENGINEER.

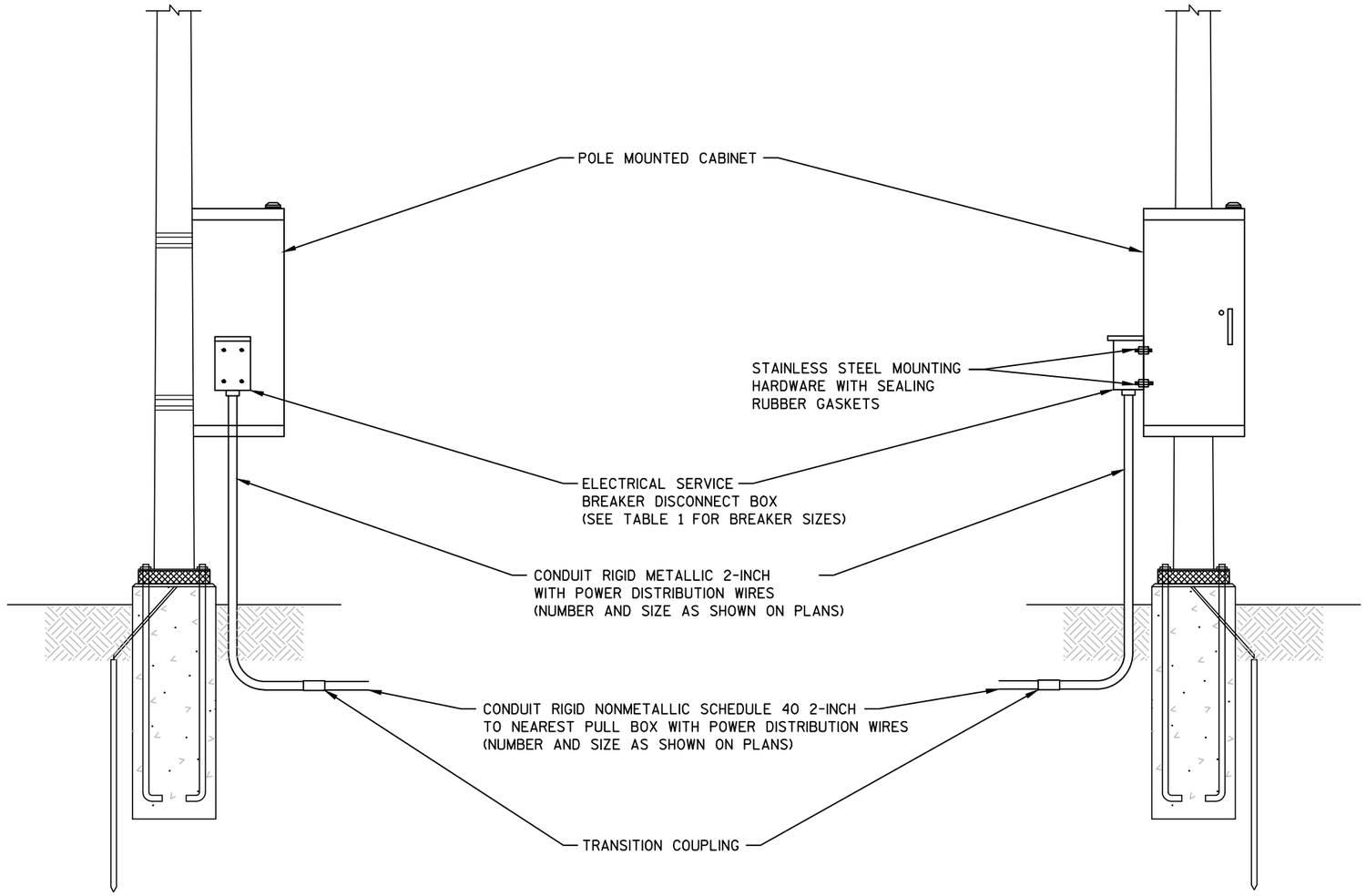
MAIN BREAKER MAY BE INCREASED IF MAXIMUM POWER DRAW IS EXPECTED TO EXCEED 100 AMPS.

TABLE 1

BREAKER SIZES BY LOCATION

LOCATION	ID	MAIN BREAKER SIZE	SUB-BREAKER #1 SIZE	SUB-BREAKER #2 SIZE	SUB-BREAKER #3 SIZE
I-39/90 @ CTH BN	CCTV-13-0112	100 AMPS (2P)	30 AMPS (CCTV)	30 AMPS (SPARE)	

NOT TO SCALE



SIDE VIEW

FRONT VIEW

ELECTRICAL SERVICE BREAKER DISCONNECT BOX

(POLE MOUNTED CABINET)

CCTV-13-0101 & SDS-13-0133 - I-39/90 CTH B

CCTV-13-0112 - I-39/90 @ CTH BN

DMS-13-0055 & SDS-13-0134 & WDS-0004 - I-39/90 @ CHURCH ST

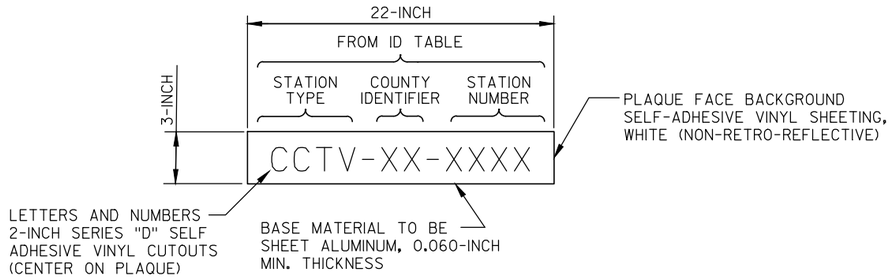
NOTES

MOUNT EQUIPMENT UTILIZING STAINLESS STEEL BANDS OR METHOD APPROVED BY THE ENGINEER.

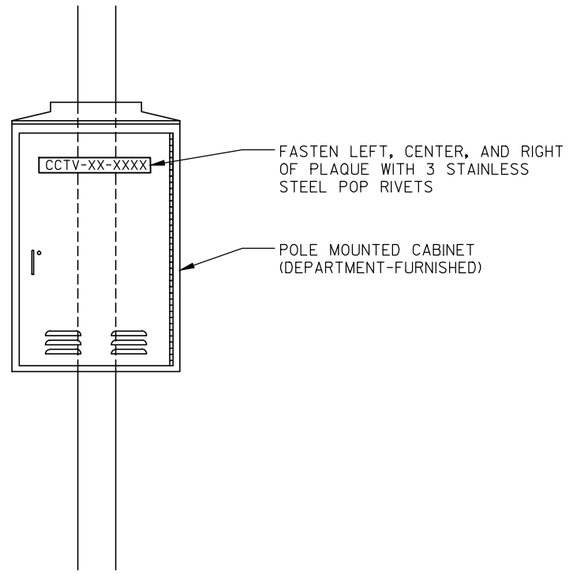
BREAKER SIZES BY LOCATION

LOCATION	ID	MAIN BREAKER SIZE	SUB-BREAKER #1 SIZE	SUB-BREAKER #2 SIZE	SUB-BREAKER #3 SIZE
I-39/90 SOUTH OF CTH B	CCTV-13-0101 SDS-13-0133	30 AMPS (CCTV/SDS)			
I-39/90 @ CTH BN	CCTV-13-0112	30 AMPS (CCTV)			
I-39/90 @ CHURCH ST	DMS-13-0055 SDS-13-0134 WDS-0004	100 AMPS (2P)	60 AMPS (2P) DMS	30 AMPS (CB)	

NOT TO SCALE



CONTROL CABINET IDENTIFICATION PLAQUE



CONTROL CABINET PLAQUES SEQUENCE

IDENTIFICATION

PLAQUES SEQUENCE IDENTIFICATION TABLE		
SITE LOCATION	ID PLAQUE	NO. OF PLAQUES
I-39/90 SOUTH OF CTH B	SDS-13-0133	2
	CCTV-13-0101	1
I-39/90 @ CTH BN	CCTV-13-0112	2
I-39/90 @ CHURCH ST	DMS-13-0055	1
	SDS-13-0134	2
	WDS-0004	2

STATION TYPE LEGEND

ATR - AUTOMATIC TRAFFIC RECORDER
CCTV - CLOSED CIRCUIT TELEVISION
DMS - DYNAMIC MESSAGE SIGN
G - RAMP CLOSURE GATE
SDS - SYSTEM DETECTOR STATION
WDS - WIRELESS DETECTION SENSOR

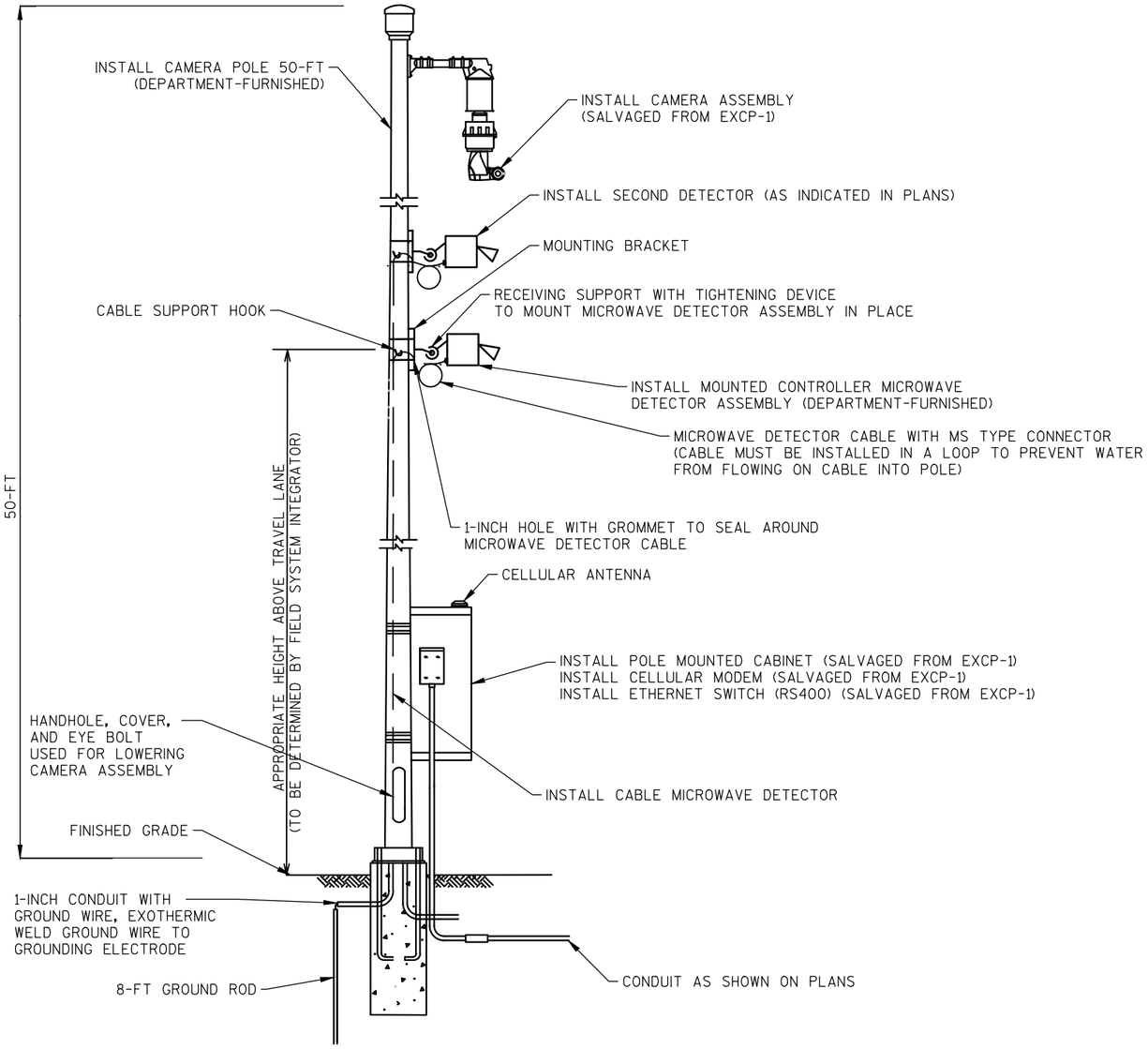
NOTES

TWO PLAQUES PER DEVICE REQUIRED ON CONTROL CABINET.

FASTEN ONE PLAQUE ON FRONT DOOR, UPPER HALF.

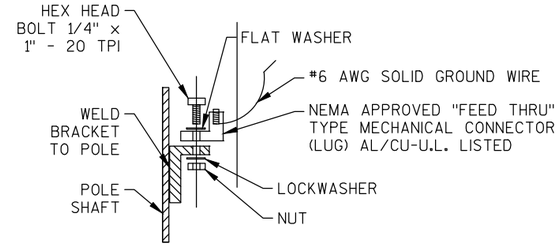
FASTEN ONE PLAQUE ON SIDE FACING LOCAL STREET. IF NO LOCAL STREET NEARBY, OR IF SUCH LOCATION COINCIDES WITH LOCATION OF PLAQUE IN PREVIOUS NOTE, FASTEN PLAQUE ON REAR OF CABINET, UPPER HALF.

NOT TO SCALE

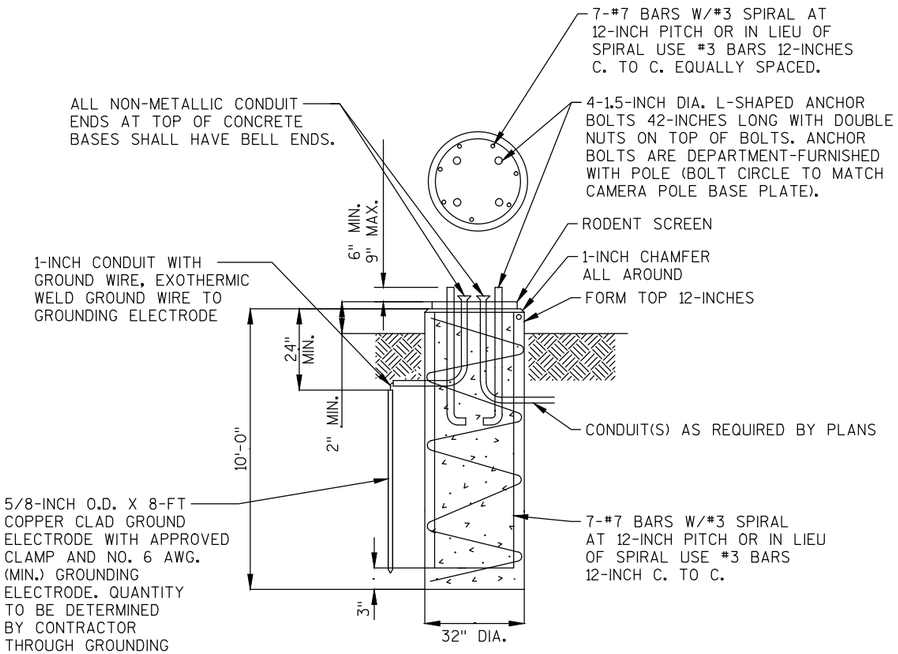


CAMERA & POLE MOUNTED CABINET MOUNTING

CCTV-13-0101 & SDS-13-0133 - I-39/90 SOUTH OF CTH B



FIELD INSTALLED GROUNDING LUG



MATERIALS DATA

CONCRETE	f'c = 3,500 psi
HIGH STRENGTH BAR STEEL REINFORCEMENT	fy = 60,000 psi

BASE CAMERA POLE 50-FT

NOTES

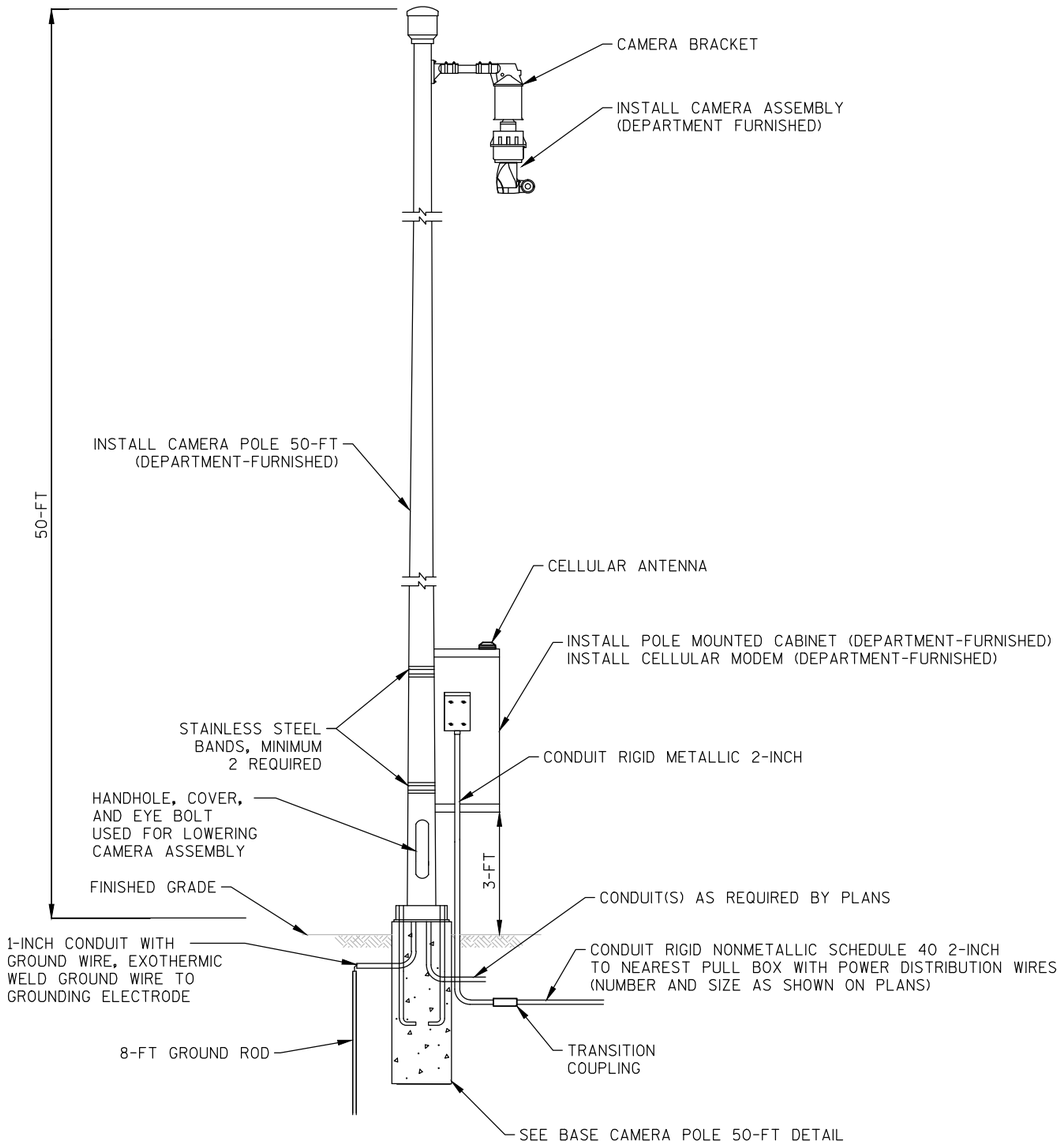
ALL HARDWARE AND FASTENERS SHALL BE STAINLESS STEEL.

POLE DRAWINGS SHOWN FOR BIDDING INFORMATION PURPOSES ONLY. POLES AND ANCHOR BOLTS WILL BE DEPARTMENT-FURNISHED.

CONTRACTOR SHALL CONFIRM BOLT PATTERN OF CAMERA POLE PRIOR TO CONSTRUCTION OF CONCRETE BASE.

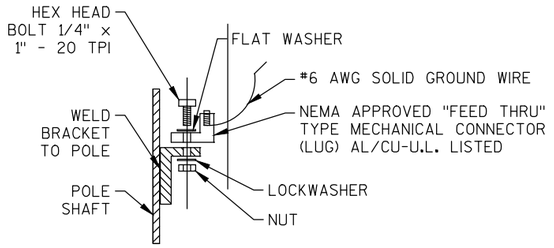
CONTRACTOR SHALL INSTALL GROUNDING LUG AS SHOWN.

NOT TO SCALE

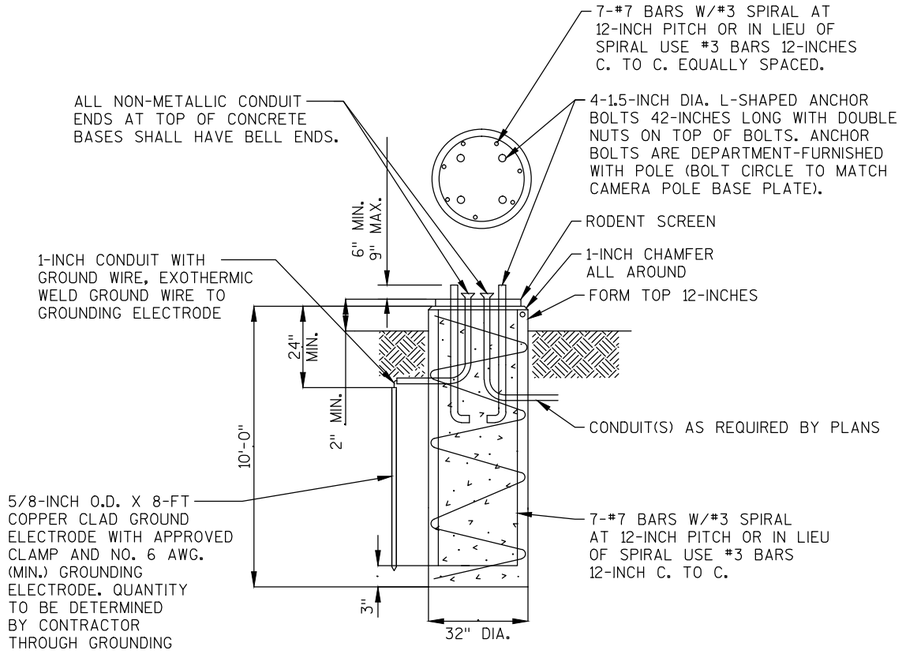


CAMERA & POLE MOUNTED CABINET MOUNTING

CCTV-13-0112 - I-39/90 NB @ CTH BN



FIELD INSTALLED GROUNDING LUG



MATERIALS DATA

CONCRETE	f'c = 3,500 psi
HIGH STRENGTH BAR STEEL REINFORCEMENT	fy = 60,000 psi

BASE CAMERA POLE 50-FT

NOTES

ALL HARDWARE AND FASTENERS SHALL BE STAINLESS STEEL.

POLE DRAWINGS SHOWN FOR BIDDING INFORMATION PURPOSES ONLY. POLES AND ANCHOR BOLTS WILL BE DEPARTMENT-FURNISHED.

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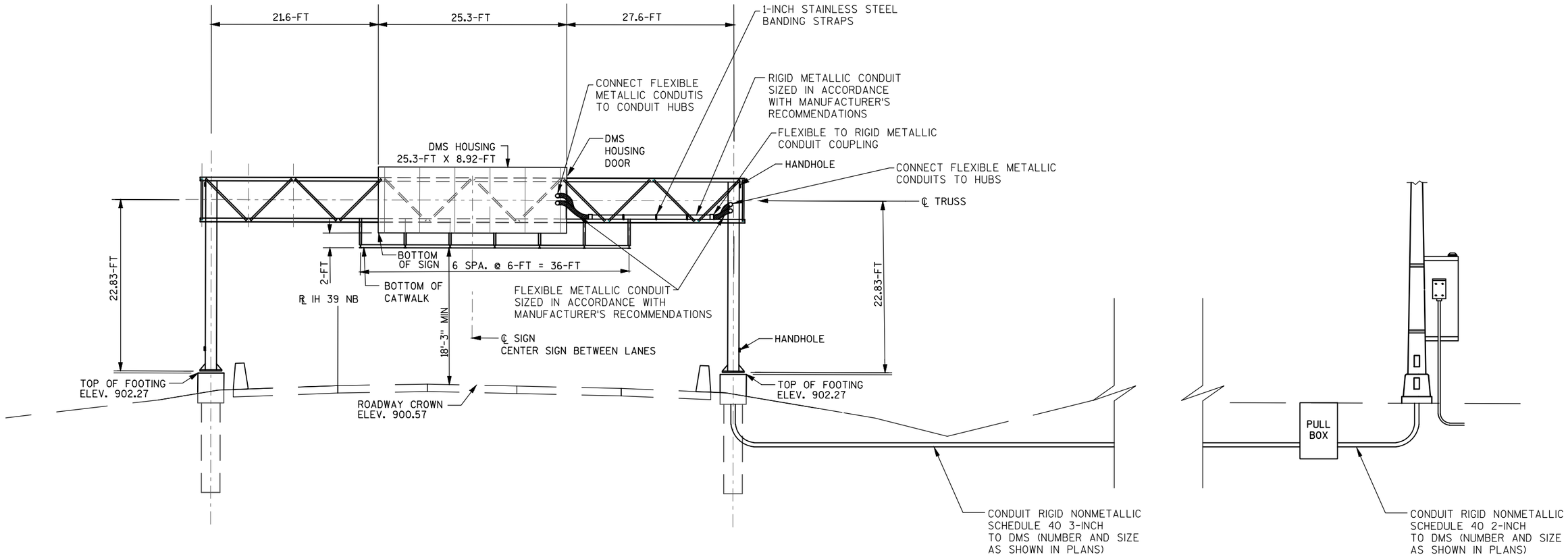
CONTRACTOR SHALL INSTALL GROUNDING LUG AS SHOWN.

NOT TO SCALE



DMS-13-0055

I-39/90 @ CHURCH ST

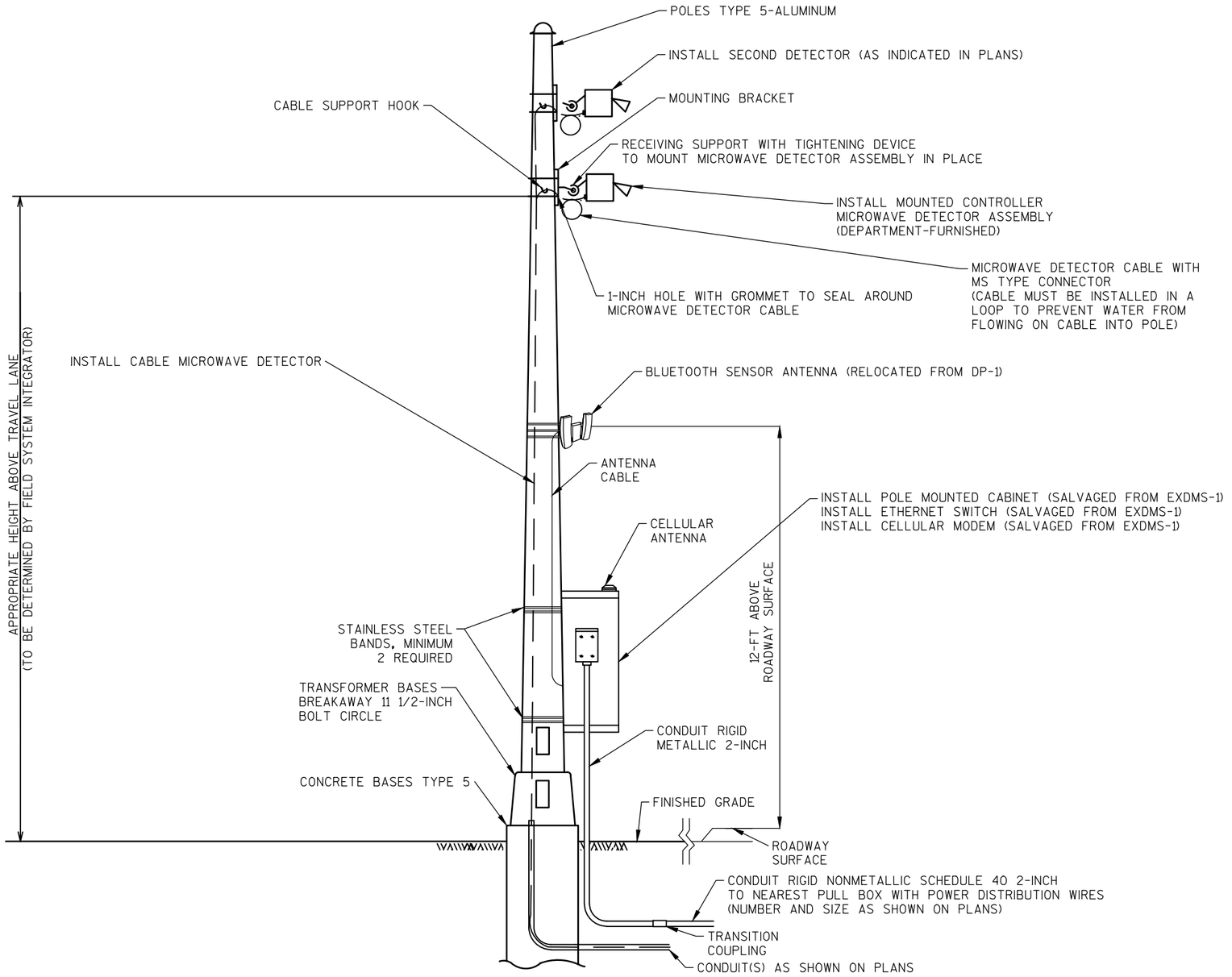
NOTES

MOUNT EQUIPMENT UTILIZING STAINLESS STEEL BANDS OR METHOD APPROVED BY THE ENGINEER.

SEE S-13-471 STRUCTURE PLANS FOR STRUCTURAL DETAILS.

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ITS CONSTRUCTION DETAILS	SHEET 127	E

NOT TO SCALE



ELEVATION VIEW

BLUETOOTH SENSOR & MICROWAVE DETECTOR ASSEMBLY & POLE MOUNTED CABINET MOUNTING

DMS-13-0055 & WDS-0004 & SDS-13-0134 - IH 39/90 @ CHURCH ST

NOTES

ALL HARDWARE AND FASTENERS SHALL BE STAINLESS STEEL.

SECURE LOOSE CABLES TO POLE AT 5-FT INTERVALS.

INSTALL DRIP LOOPS ON LOOSE CABLES TO PREVENT WATER FROM FLOWING ON CABLE AND ENTERING POLES/ENCLOSURES.

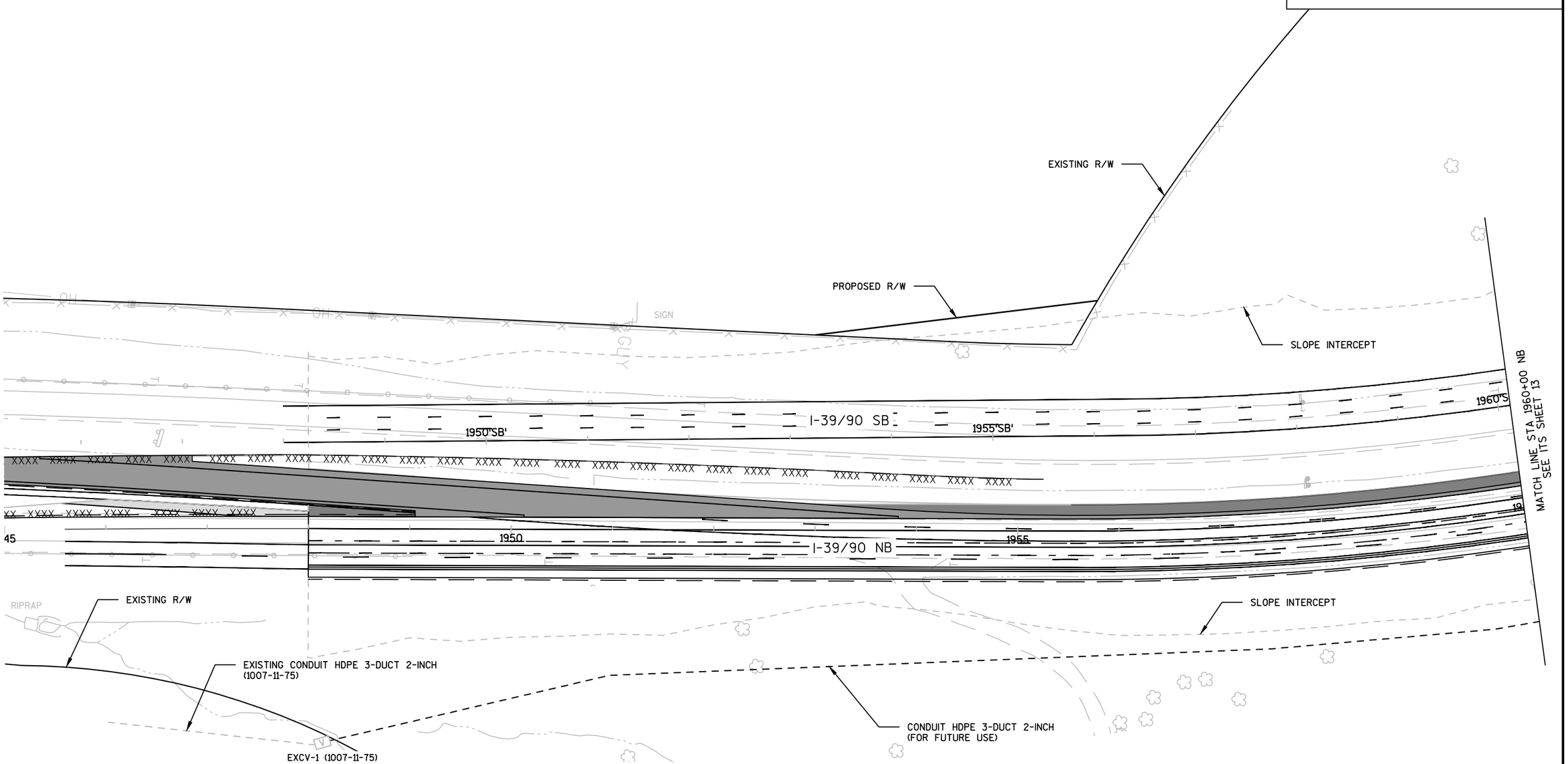
MOUNT EQUIPMENT UTILIZING STAINLESS STEEL BANDS OR METHOD APPROVED BY THE ENGINEER.

ITS LEGEND

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	---

ITS STANDARD ABBREVIATIONS

CV ----- COMMUNICATIONS VAULT
EX ----- EXISTING



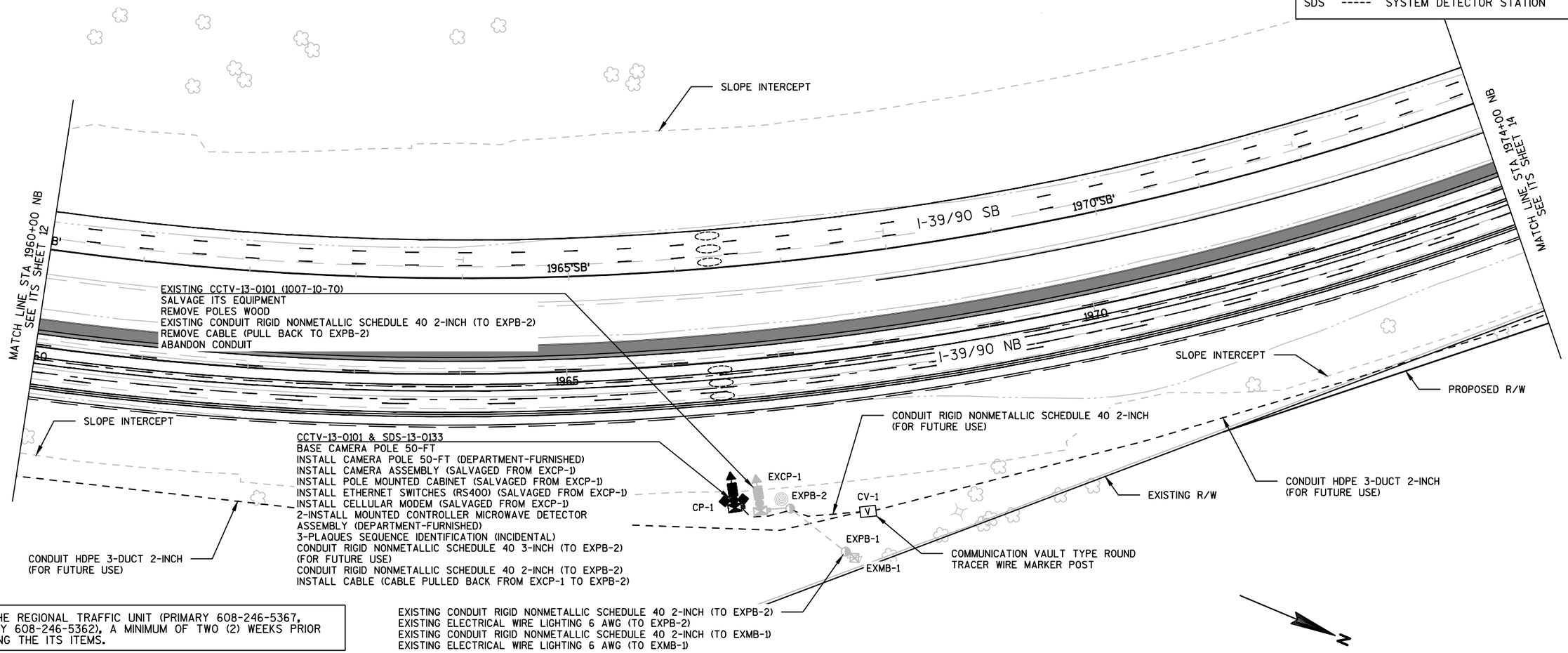
NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

ITS LEGEND

DESCRIPTION	SYMBOL
CCTV CAMERA	
POLE MOUNTED CABINET	
POLE	
COMMUNICATIONS VAULT	V
MICROWAVE DETECTOR	
ITS CONDUIT	
BREAKER DISCONNECT BOX	
PULL BOX NON-CONDUCTIVE 24X36	
METER BREAKER PEDESTAL	
DETECTION ZONE	

ITS STANDARD ABBREVIATIONS

CCTV	-----	CLOSED CIRCUIT TELEVISION
CP	-----	CAMERA POLE
CV	-----	COMMUNICATIONS VAULT
EX	-----	EXISTING
MB	-----	METER BREAKER
PB	-----	PULL BOX
SDS	-----	SYSTEM DETECTOR STATION



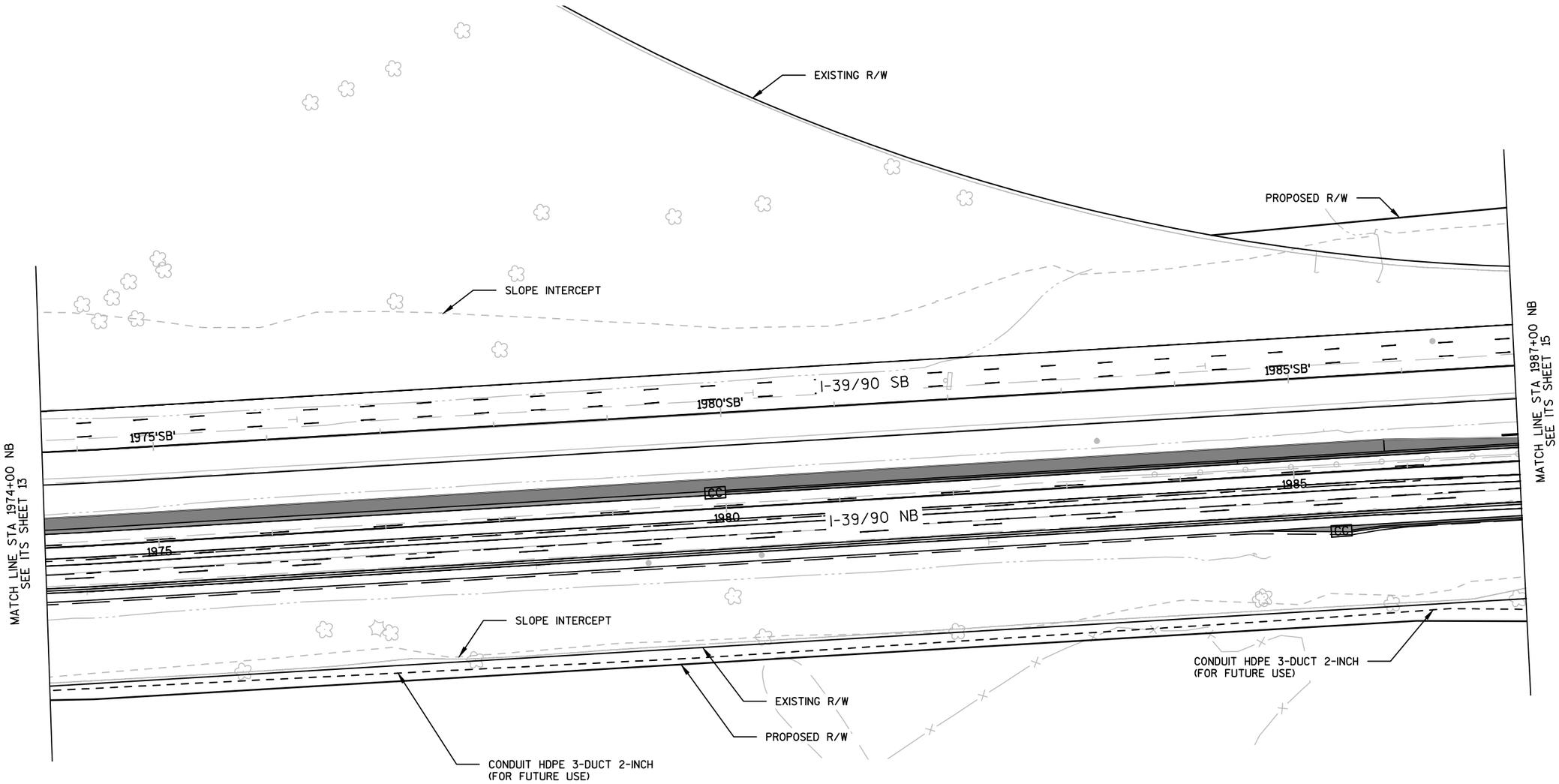
NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

ITS LEGEND

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	---

ITS STANDARD ABBREVIATIONS

CV ----- COMMUNICATIONS VAULT



NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

2

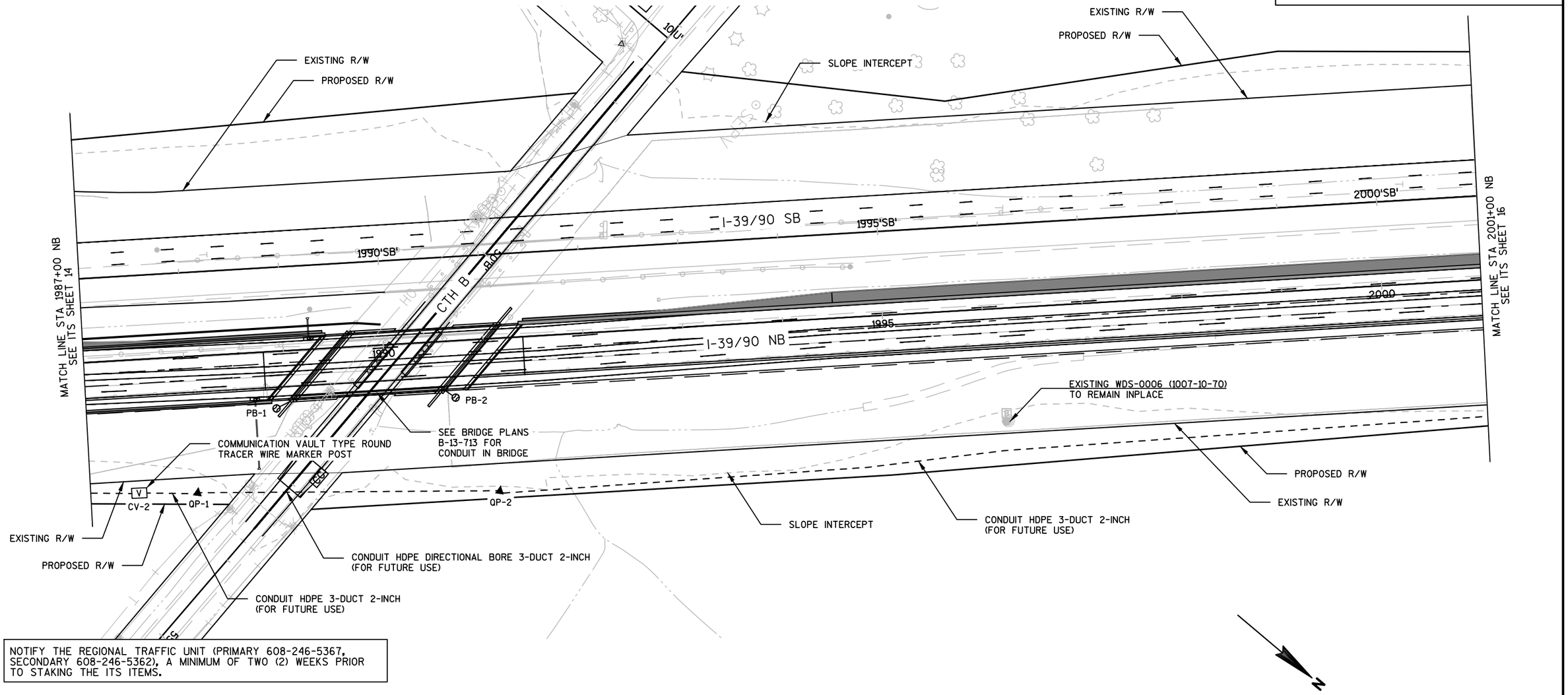
ITS LEGEND

ITS SHEET 15 OF 29

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	
POLE	●
PULL BOX NON-CONDUCTIVE 24X42	PB
BLUETOOTH SENSOR	B
QUANTITY POINT	▲

ITS STANDARD ABBREVIATIONS

CV	-----	COMMUNICATIONS VAULT
EX	-----	EXISTING
PB	-----	PULL BOX
QP	-----	QUANTITY POINT
WDS	-----	WIRELESS DETECTION STATION



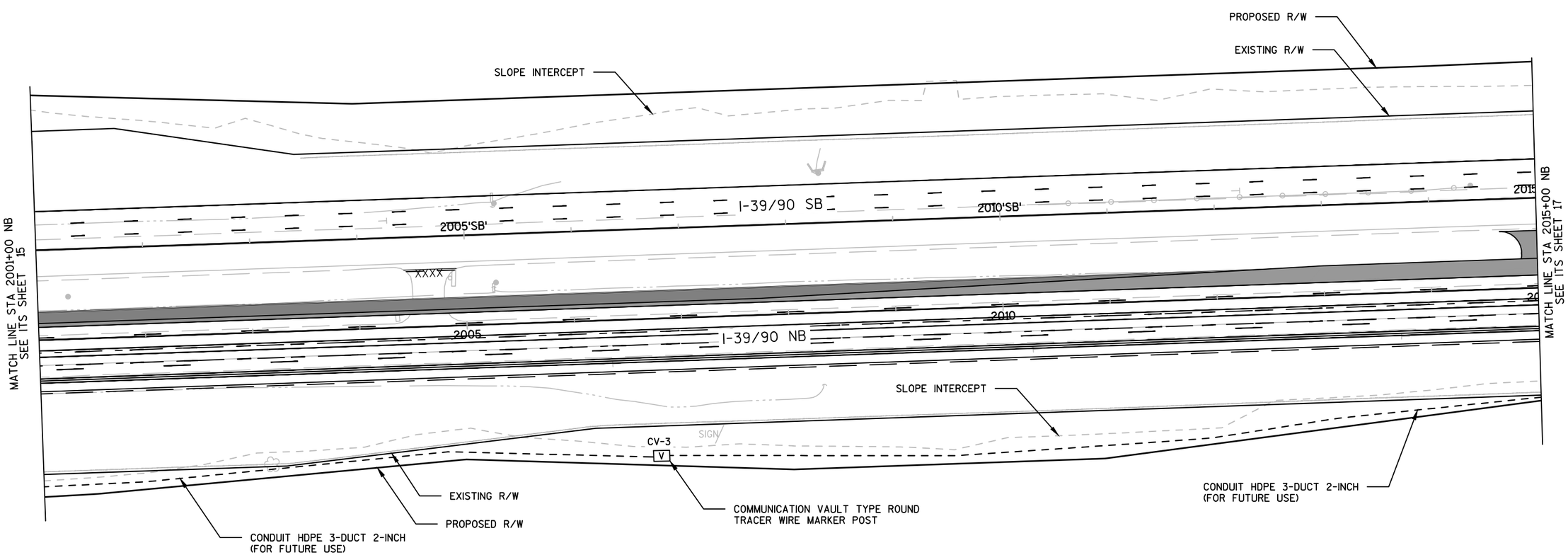
NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

ITS LEGEND

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	---

ITS STANDARD ABBREVIATIONS

CV ----- COMMUNICATIONS VAULT



NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

2

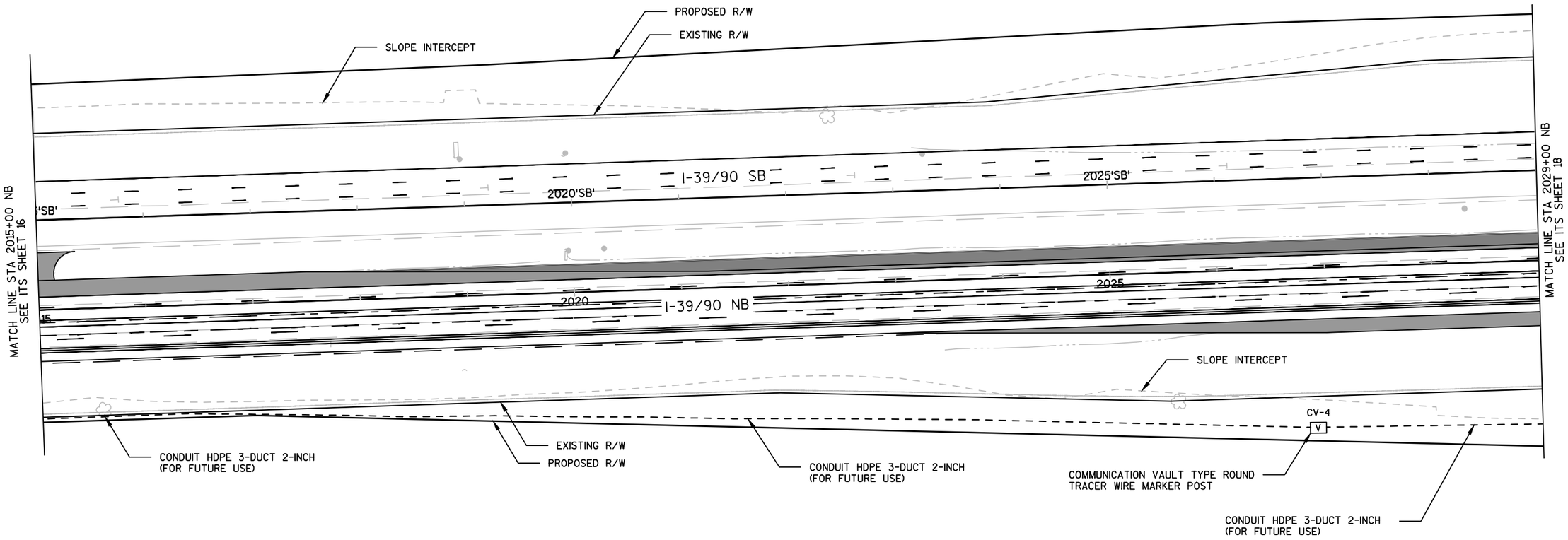
ITS LEGEND

ITS SHEET 17 OF 29

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	

ITS STANDARD ABBREVIATIONS

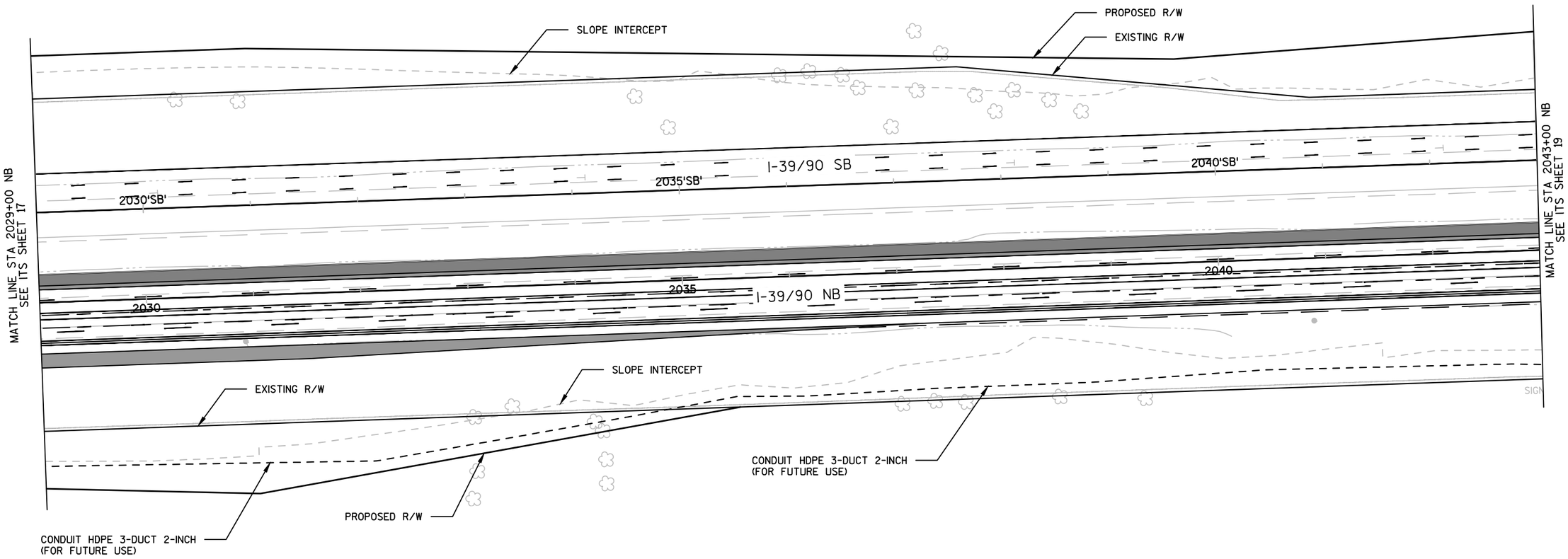
CV ----- COMMUNICATIONS VAULT



NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

ITS LEGEND

DESCRIPTION	SYMBOL
ITS CONDUIT	---------- ---



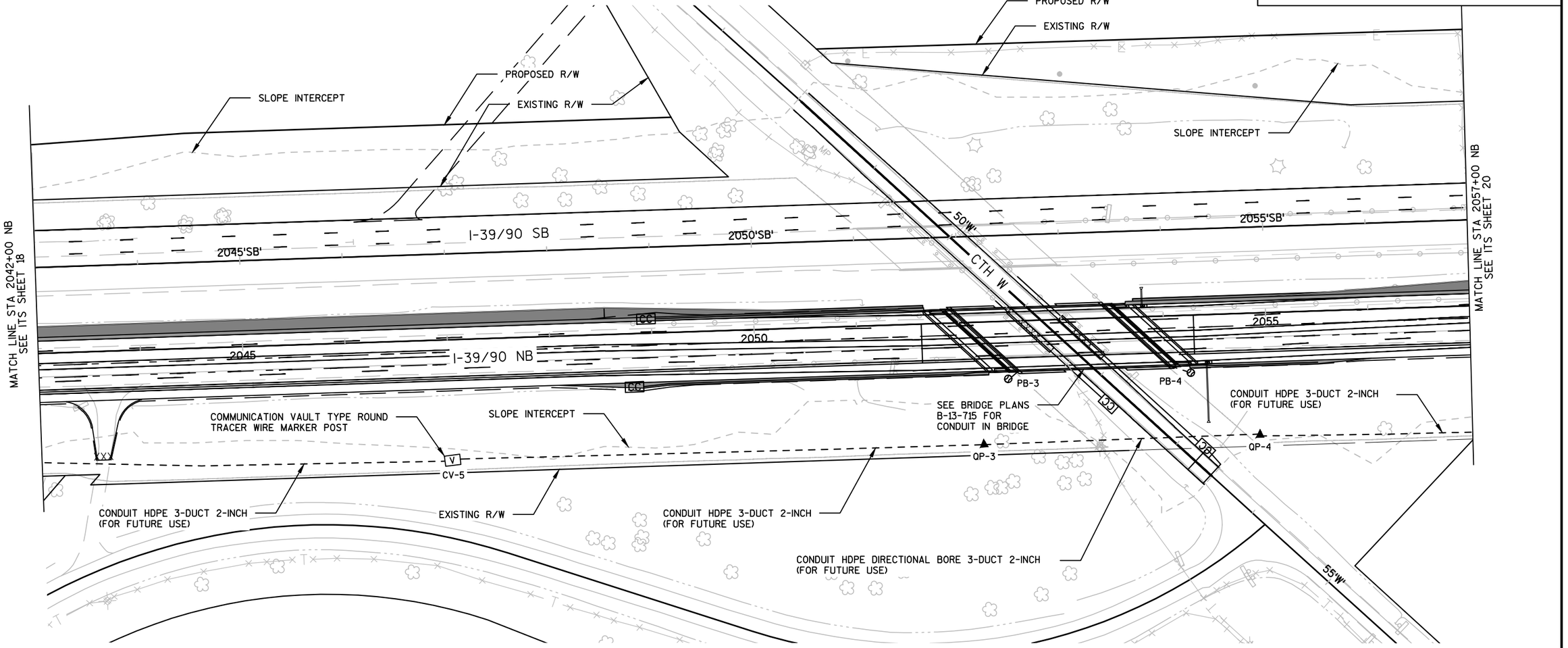
NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

ITS LEGEND

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	---
PULL BOX NON-CONDUCTIVE 24X42	PB
QUANTITY POINT	▲

ITS STANDARD ABBREVIATIONS

CV ----- COMMUNICATIONS VAULT
PB ----- PULL BOX
QP ----- QUANTITY POINT



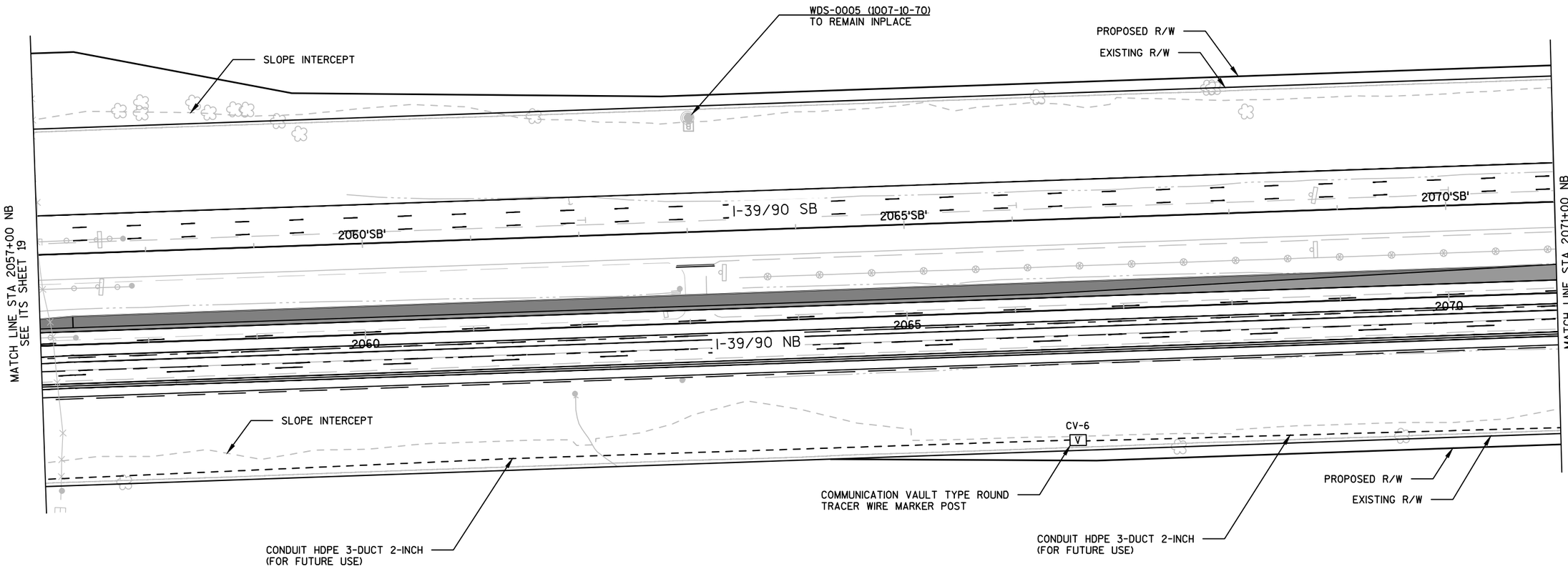
NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

ITS LEGEND

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	---
POLE	●
BLUETOOTH SENSOR	B

ITS STANDARD ABBREVIATIONS

CV ----- COMMUNICATIONS VAULT
WDS ----- WIRELESS DETECTION STATION

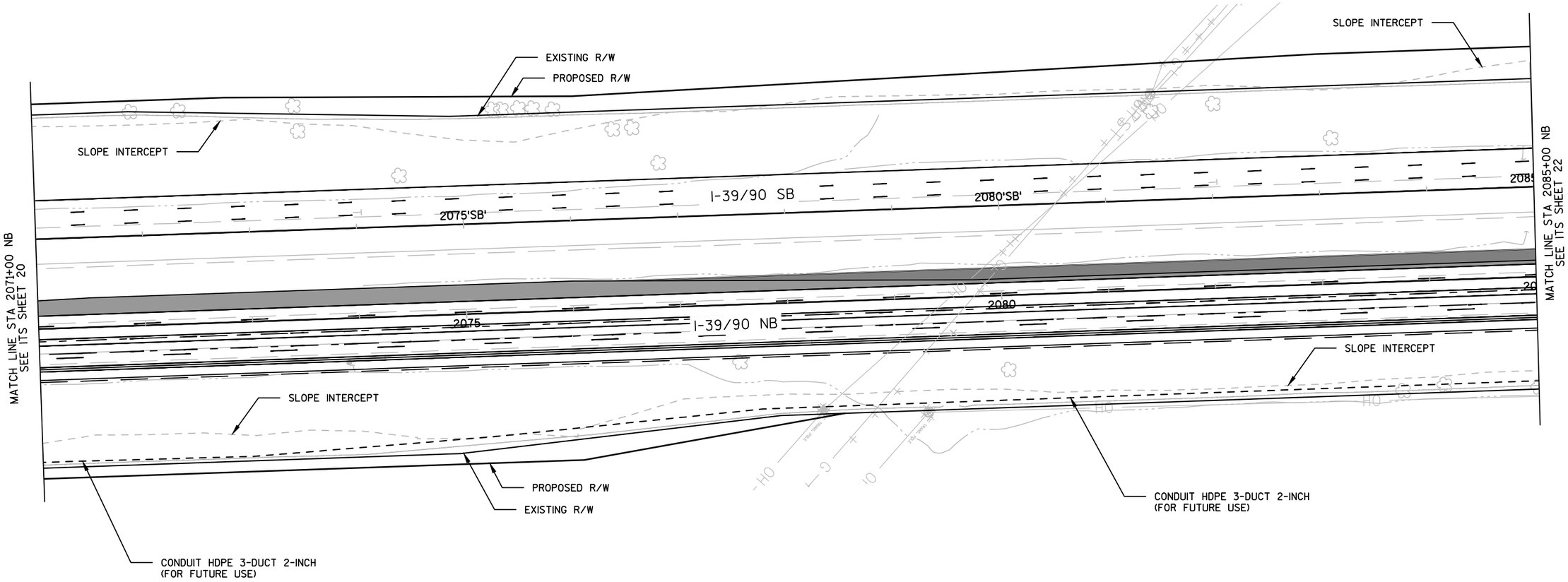


NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

ITS LEGEND

ITS SHEET 21 OF 29

DESCRIPTION	SYMBOL
ITS CONDUIT	---------- ---



NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ITS PLANS	SHEET	E

FILE NAME : H:\PROJMDSN\8136\CAD_BIM\PLAN\1007-11-71_E CHURCH RD TO CHURCH ST 4.5 MILES_ML\SR_ITS PLANS_10071171.DWG PLOT DATE : 10/10/2017 1:00 PM PLOT BY : CORTNEY FALERO PLOT NAME : PLOT SCALE : 1 IN = 100 FT_XREF

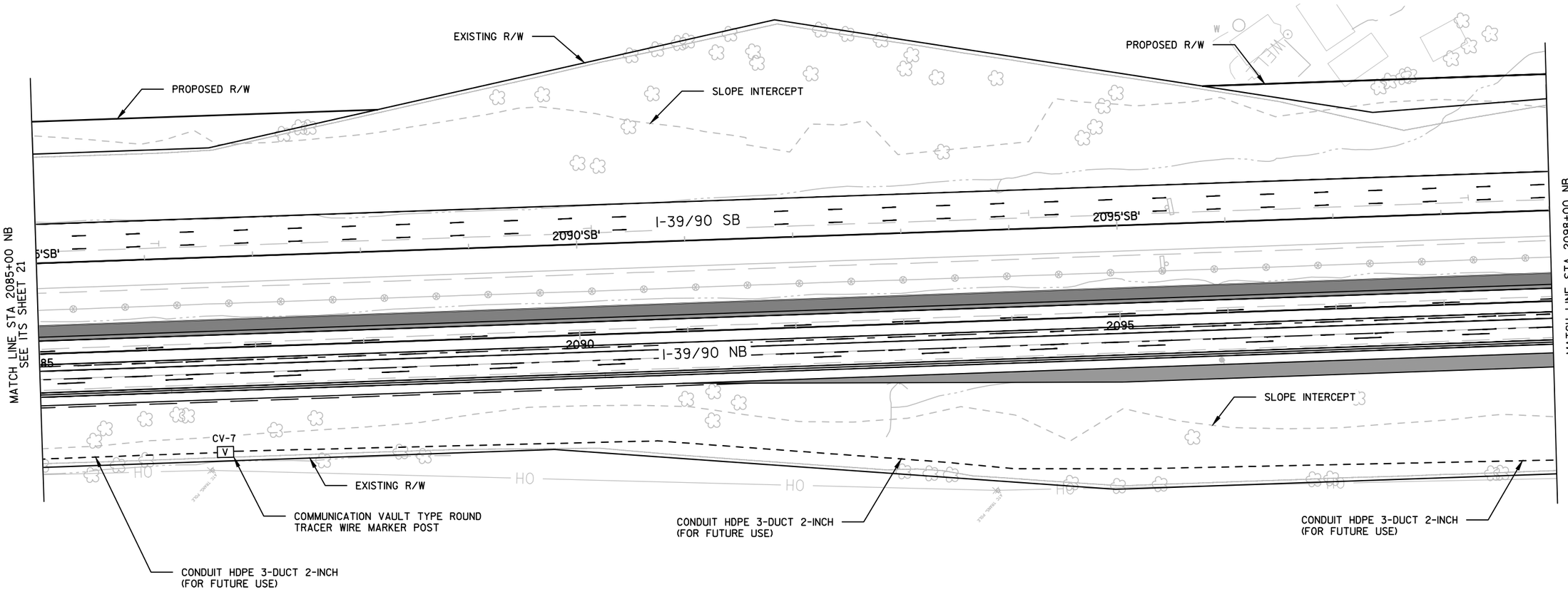
ITS LEGEND

ITS SHEET 22 OF 29

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	---

ITS STANDARD ABBREVIATIONS

CV ----- COMMUNICATIONS VAULT



NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

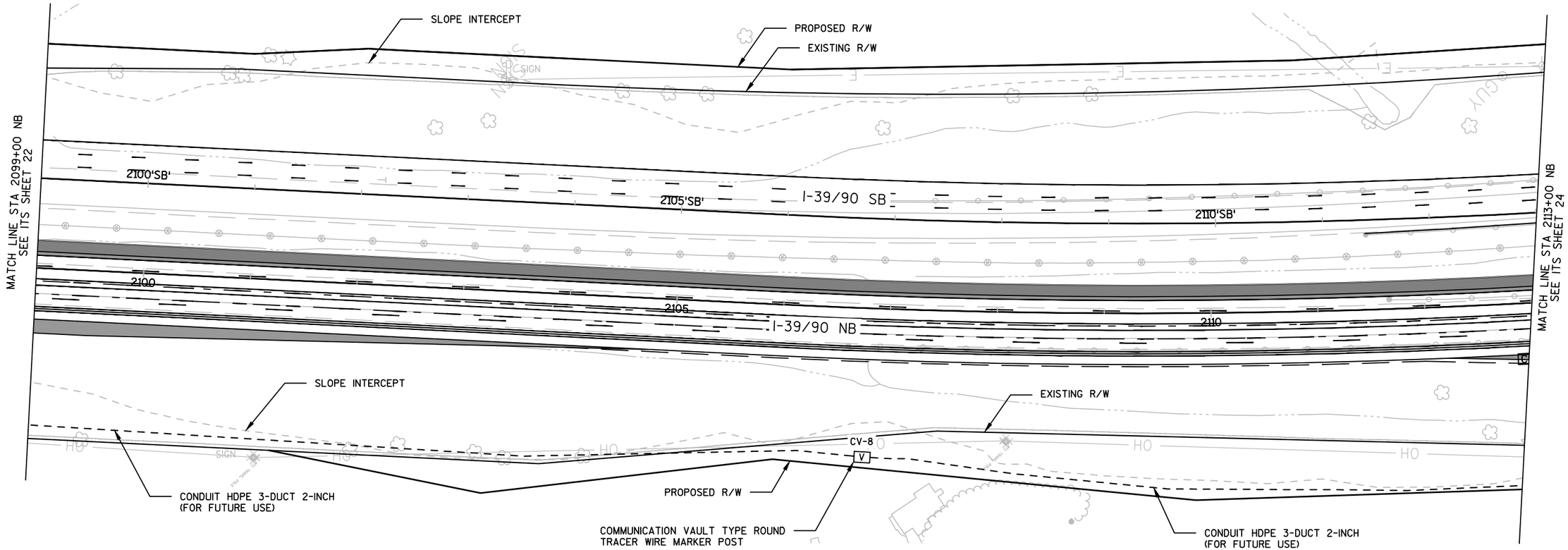
ITS LEGEND

ITS SHEET 23 OF 29

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	---

ITS STANDARD ABBREVIATIONS

CV ----- COMMUNICATIONS VAULT



NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

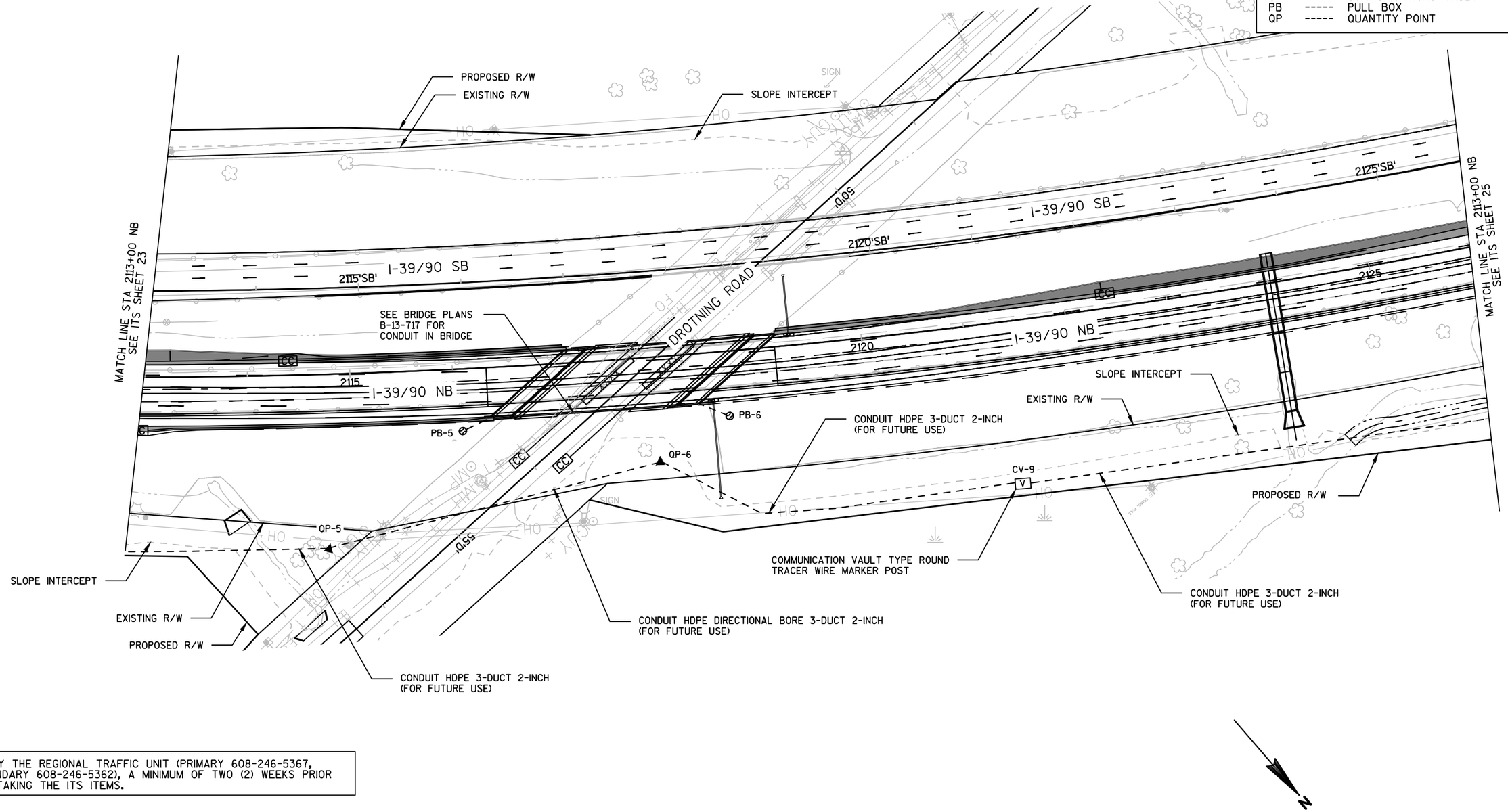
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ITS PLANS	SHEET 140	E

ITS LEGEND

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	
PULL BOX NON-CONDUCTIVE 24X42	
QUANTITY POINT	▲

ITS STANDARD ABBREVIATIONS

CV	-----	COMMUNICATIONS VAULT
PB	-----	PULL BOX
QP	-----	QUANTITY POINT



NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ITS PLANS	SHEET	E

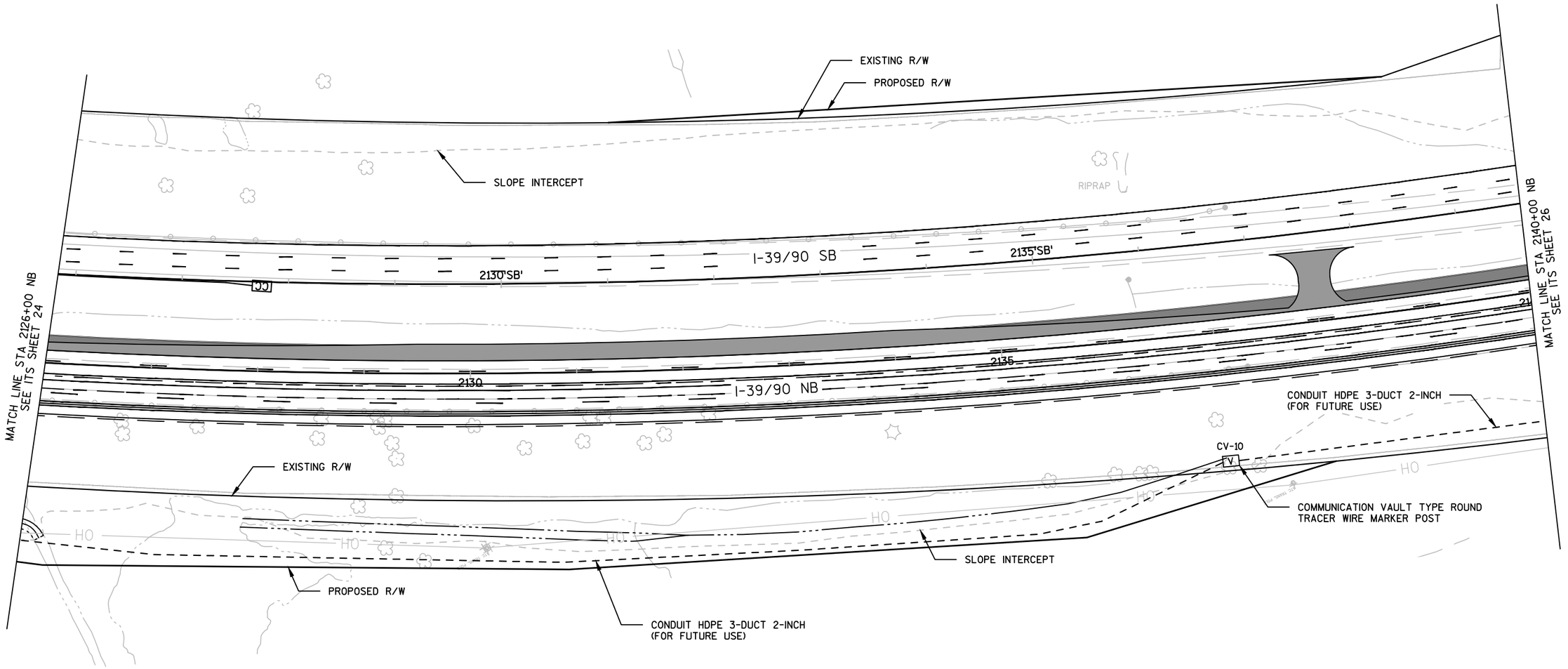
FILE NAME : H:\PROJMDSN\8136\CAD_BIM\PLAN\1007-11-71_E CHURCH RD TO CHURCH ST 4.5 MILES_ML\SR_ITS PLANS_10071171.DWG PLOT DATE : 10/10/2017 1:01 PM PLOT BY : CORTNEY FALERO PLOT NAME : PLOT SCALE : 1 IN = 100 FT_XREF
WISDOT/CADDS SHEET 42

ITS LEGEND

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	---

ITS STANDARD ABBREVIATIONS

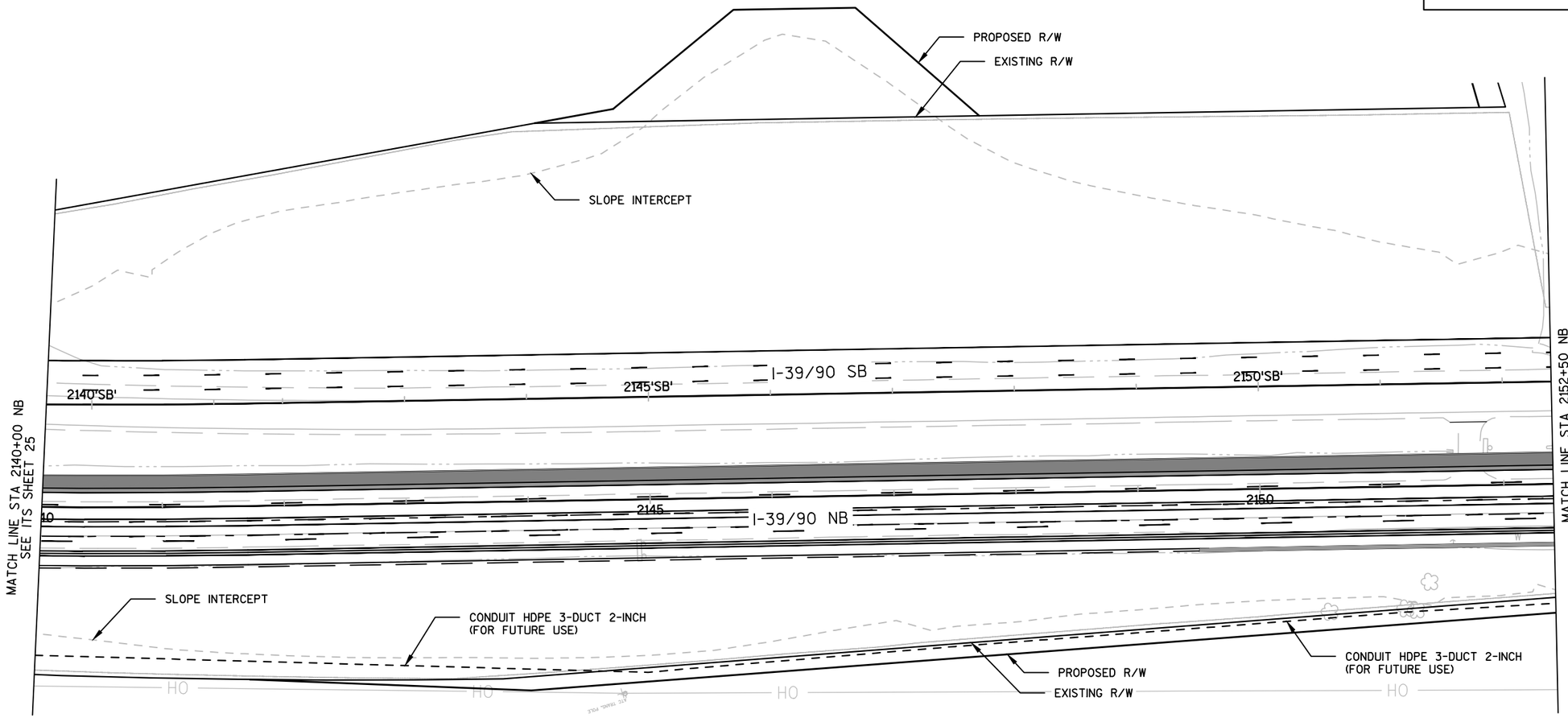
CV ----- COMMUNICATIONS VAULT



NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

ITS LEGEND

DESCRIPTION	SYMBOL
ITS CONDUIT	----------



NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

N

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ITS PLANS	SHEET 143	E

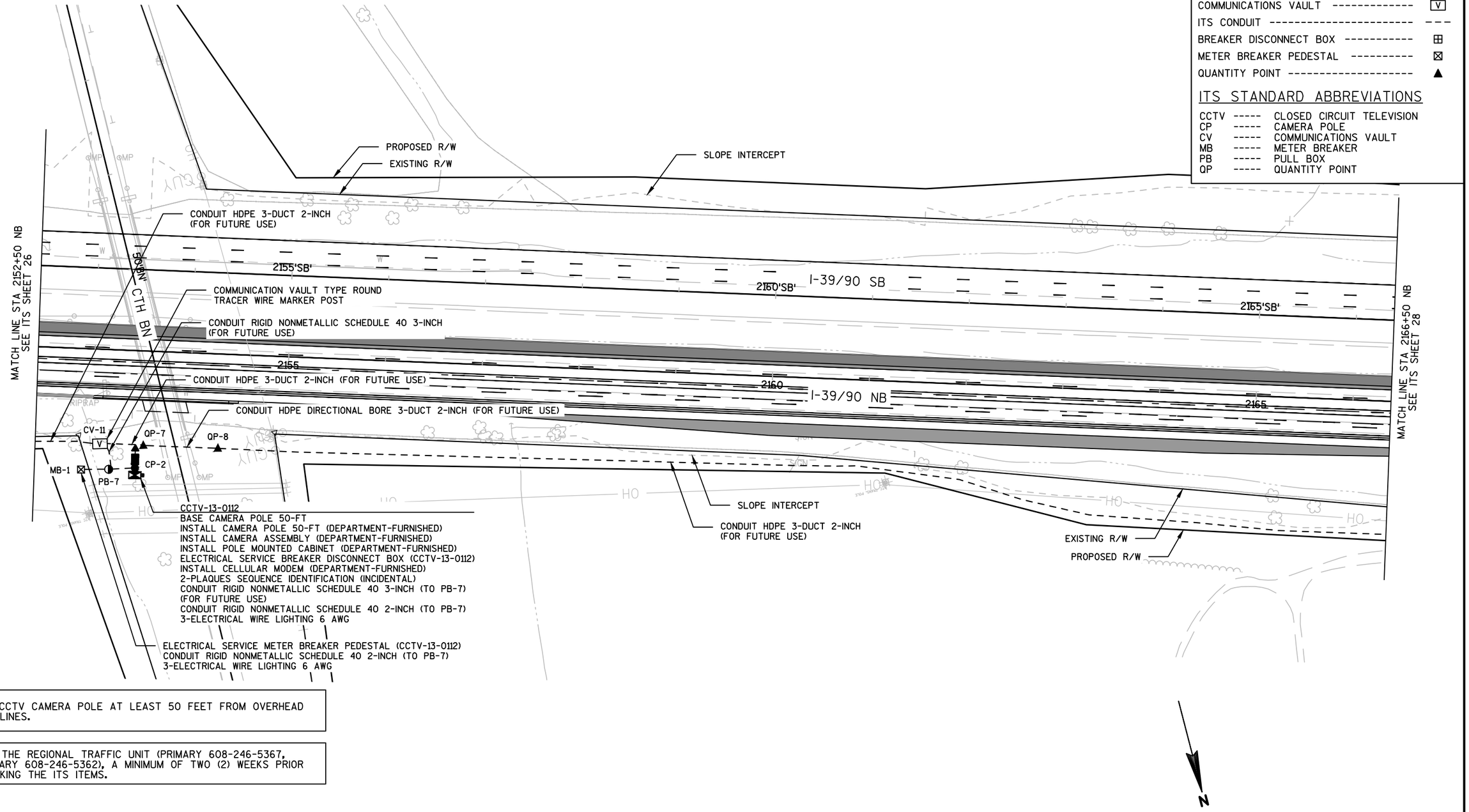
2

ITS LEGEND

DESCRIPTION	SYMBOL
CCTV CAMERA	
POLE MOUNTED CABINET	
POLE	
PULL BOX NON-CONDUCTIVE 24X36	
COMMUNICATIONS VAULT	V
ITS CONDUIT	
BREAKER DISCONNECT BOX	
METER BREAKER PEDESTAL	
QUANTITY POINT	

ITS STANDARD ABBREVIATIONS

CCTV	-----	CLOSED CIRCUIT TELEVISION
CP	-----	CAMERA POLE
CV	-----	COMMUNICATIONS VAULT
MB	-----	METER BREAKER
PB	-----	PULL BOX
QP	-----	QUANTITY POINT



PLACE CCTV CAMERA POLE AT LEAST 50 FEET FROM OVERHEAD POWER LINES.

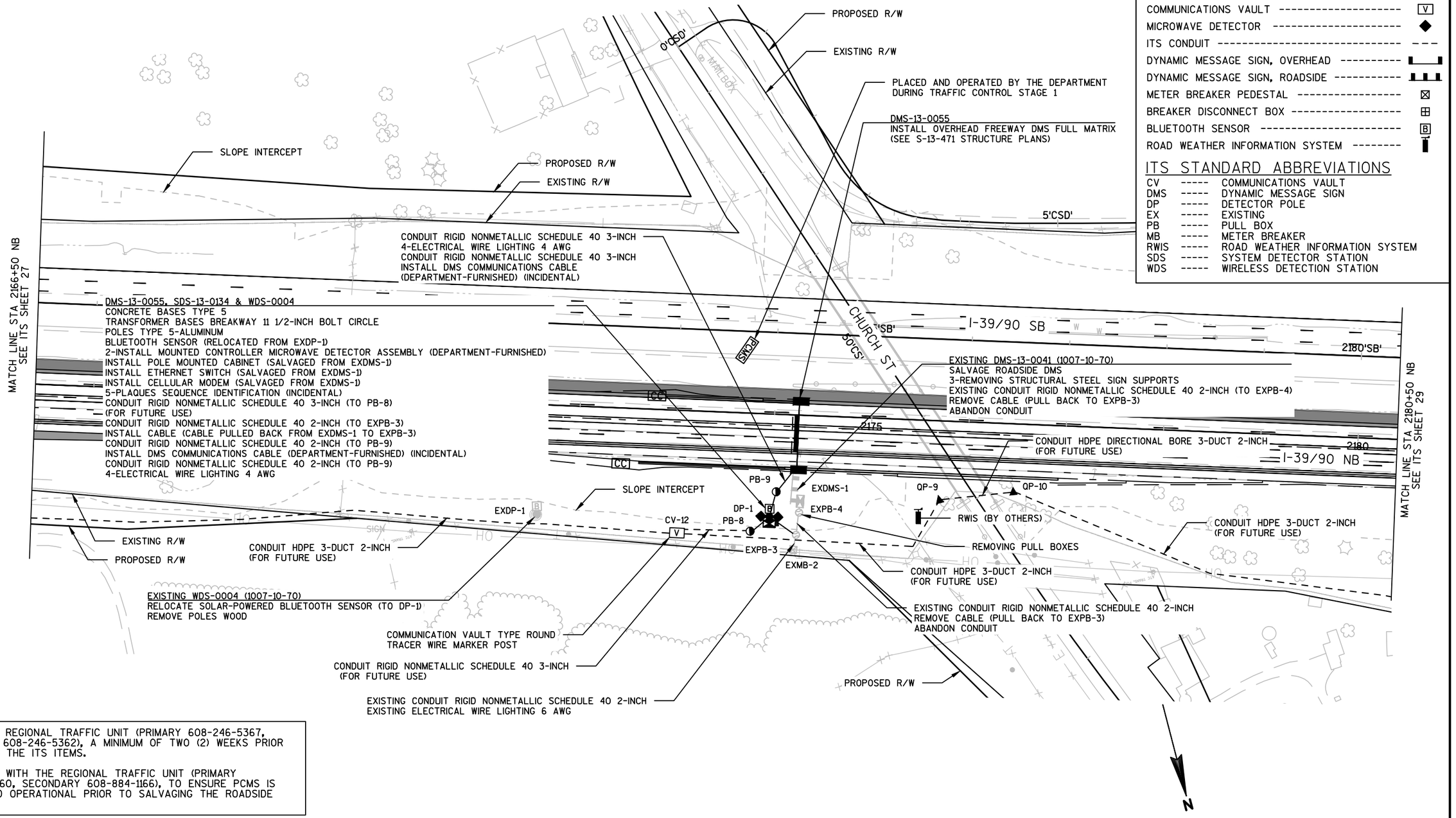
NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

ITS LEGEND

DESCRIPTION	SYMBOL
POLE MOUNTED CABINET	
POLE	
PULL BOX NON-CONDUCTIVE 24X36	
PULL BOX NON-CONDUCTIVE 24X42	
COMMUNICATIONS VAULT	V
MICROWAVE DETECTOR	
ITS CONDUIT	
DYNAMIC MESSAGE SIGN, OVERHEAD	
DYNAMIC MESSAGE SIGN, ROADSIDE	
METER BREAKER PEDESTAL	
BREAKER DISCONNECT BOX	
BLUETOOTH SENSOR	B
ROAD WEATHER INFORMATION SYSTEM	

ITS STANDARD ABBREVIATIONS

CV	-----	COMMUNICATIONS VAULT
DMS	-----	DYNAMIC MESSAGE SIGN
DP	-----	DETECTOR POLE
EX	-----	EXISTING
PB	-----	PULL BOX
MB	-----	METER BREAKER
RWIS	-----	ROAD WEATHER INFORMATION SYSTEM
SDS	-----	SYSTEM DETECTOR STATION
WDS	-----	WIRELESS DETECTION STATION



NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

COORDINATE WITH THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5360, SECONDARY 608-884-1166), TO ENSURE PCMS IS PLACED AND OPERATIONAL PRIOR TO SALVAGING THE ROADSIDE DMS.

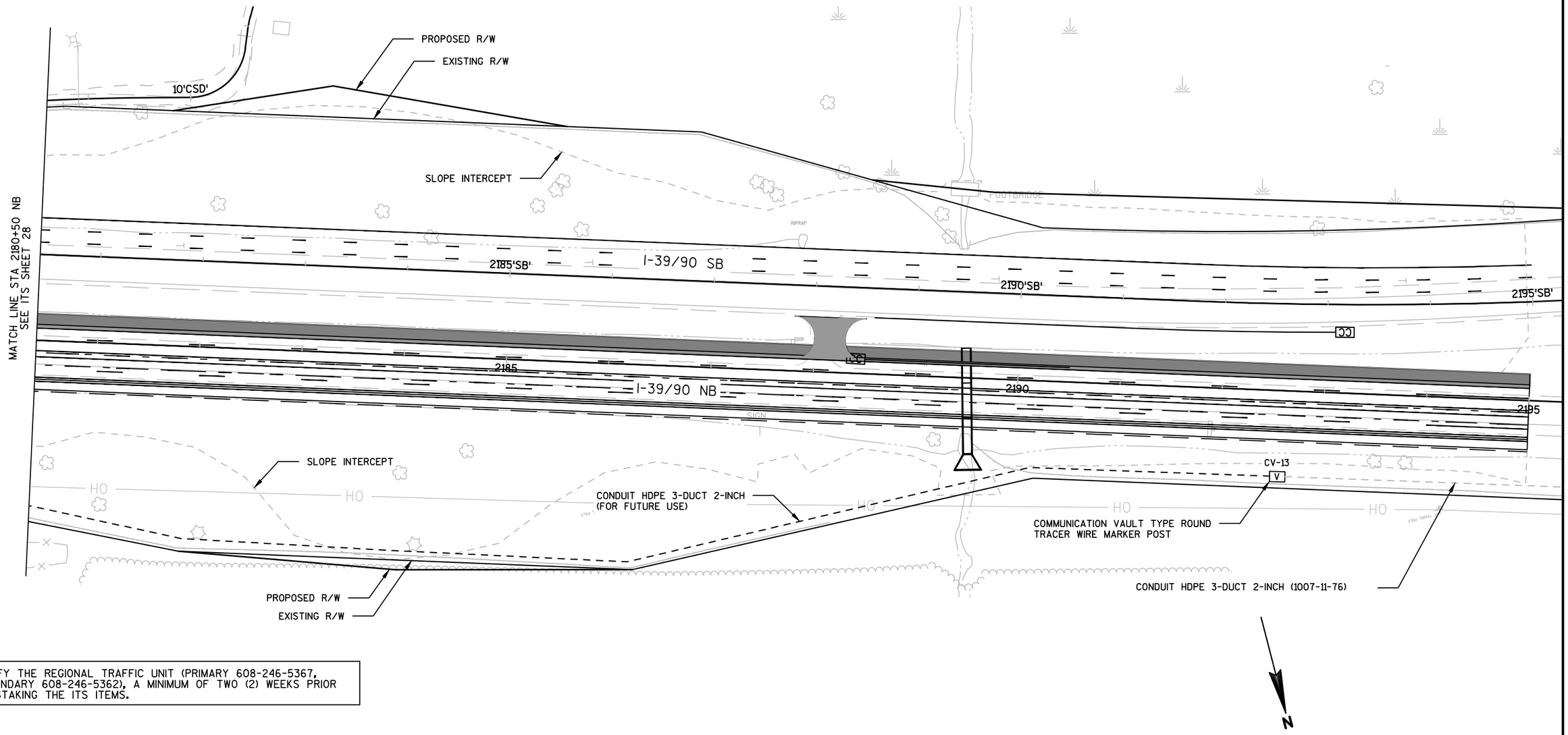
ITS LEGEND

ITS SHEET 29 OF 29

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	---

ITS STANDARD ABBREVIATIONS

CV ----- COMMUNICATIONS VAULT



NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ITS PLANS	SHEET	E

FILE NAME : H:\PROJMDSN\8136\CAD_BIM\PLAN\1007-11-71_E CHURCH RD TO CHURCH ST 4.5 MILES_ML\SR_ITS PLANS_10071171.DWG PLOT DATE : 10/10/2017 1:02 PM PLOT BY : CORTNEY FALERO PLOT NAME : PLOT SCALE : 1 IN = 100 FT_XREF

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
51	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER ASSEMBLY (WHITE)
52	SINGLE DELINEATOR ASSEMBLY, DOUBLE SIDED (YELLOW)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

EAST
39
90
MILE
154
.0

EXISTING SIGN TO REMAIN

MATCH EXISTING EDGE LINES

1 2 3

52 (4 EACH, 5' CENTER TO CENTER ON EXTENDED LINE)

51 (5' CENTER TO CENTER)

52 (4 EACH, 5' CENTER TO CENTER ON EXTENDED LINE)

1938'SPM' 1940'SPM' 1942'SPM' 1944'SPM' 1946'SPM' 1948'SPM' 1950'SPM' 1952'SPM'

12'12'12'

IH 39 SB

BEGIN SB MARKING
STA 1940+00'SPM'

MATCH EXISTING CYCLE

1945+86.9
40.0'LT

1950+82.5
40.0'LT

5' (TYP)

5' (TYP)

1938 1940 1942 1944 1946 1948 1950 1952+00

12'12'12'

IH 39 NB

MATCH LINE 1952+00

END PROJECT 1007-11-75

MATCH EXISTING EDGE LINES

+00

MATCH EXISTING CYCLE

1 2 3

98

BEGIN PROJECT 1007-11-71
BEGIN NB MARKING
STA 1948+00

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

M01-01

WEST
39
90
MILE
154
.0

D10-5A

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 01 OF 18	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/9/2017 6:03 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

EAST 39 90 MILE 153 .8

EXISTING SIGN TO REMAIN

STA 1961+29.6'SPM', 0.0'
STA 562+30.0'XSB', 12.0'LT

MATCH LINE 1952+00

MATCH LINE 1966+00

1954'SPM'

1956'SPM'

1958'SPM'

1960'SPM'

IH 39 SB

564'XSB'

566'XSB'

1954

1956

1958

1960

1962

1964

IH 39 NB

12'

12'

98

R02-01
NO MOTOR VEHICLES
REMOVE

M02-01
WEST 39 90 MILE 153 .8
D10-5A

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 02 OF 18	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/9/2017 6:04 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

EAST 39 90 MILE 153 .6
EXISTING SIGN TO REMAIN

EAST 39 90 MILE 153 .4
EXISTING SIGN TO REMAIN

MATCH LINE 1966+00

568'XSB' 570'XSB' 572'XSB' 574'XSB' IH 39 SB 576'XSB' 578'XSB' 580'XSB'

1966 1968 1970 1972 1974 1976 1978 1980

IH 39 NB

12' 12' 12' 12'

+77 +70 +65 +65

98

MATCH LINE 1980+50

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

M03-01
WEST 39 90 MILE 153 .6
D10-5A

M03-02
WEST 39 90 MILE 153 .4
D10-5A

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 03 OF 18	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/9/2017 6:04 PM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

EMERGENCY STOPPING ONLY
EXISTING SIGN TO REMAIN

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

EAST 39 90 MILE 153 .2
EXISTING SIGN TO REMAIN

EASEMENT (TYP)

TLE (TYP)

UTICA RD

CTH B

Hwy B
EXISTING SIGN TO REMAIN

BEGIN MARKING
STA 50+50'B'

582'XSB' 584'XSB' 586'XSB' 588'XSB' 590'XSB' 592'XSB' 594'XSB' 596'XSB'

IH 39 SB

12'|12'

MATCH EXISTING EDGE AND ℄

MATCH LINE 1980+50

1982 1984 1986 1988 1990 1992 1994

IH 39 NB

MATCH LINE 1995+40

98 +65 +65 +65

2

M04-01
WEST 39 90 MILE 153 .2
D10-5A

04-02
Hwy B
M1-94
54"x21"

1 (DBL)

MATCH EXISTING EDGE AND ℄

END MARKING
STA 53+50'B'

R04-01
Hwy B
REMOVE

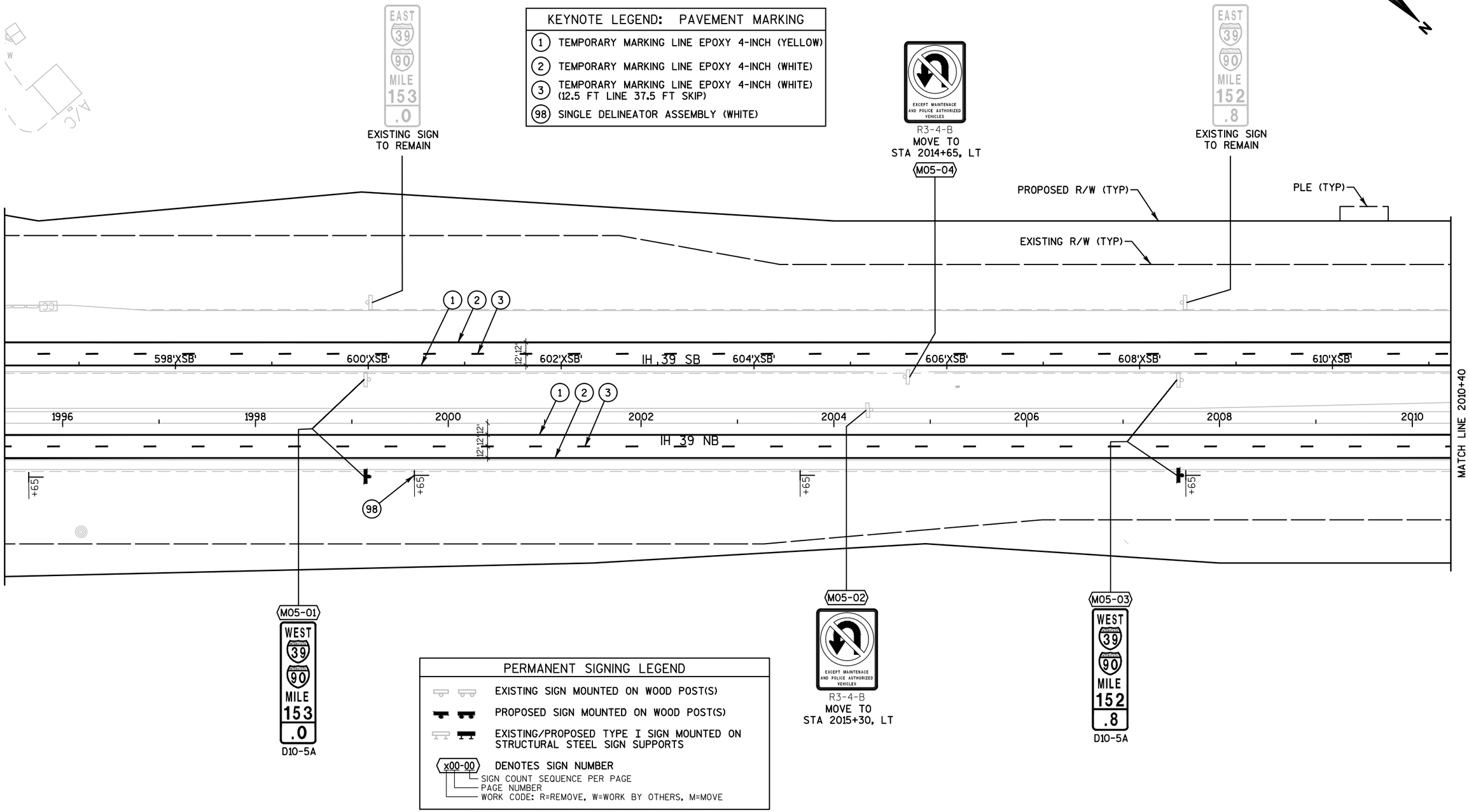
SEPTIC

RUINS

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

2

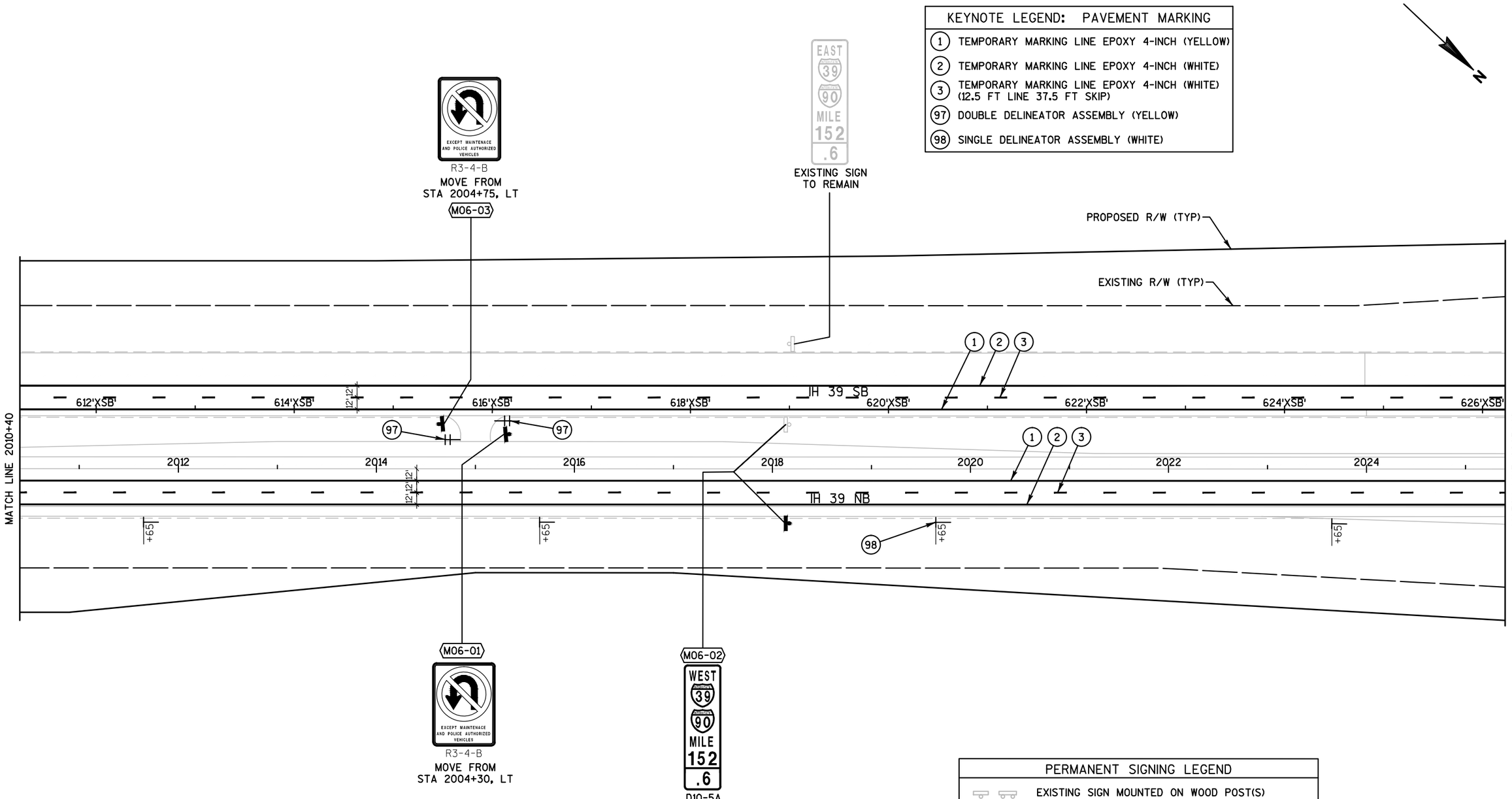
KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)



PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

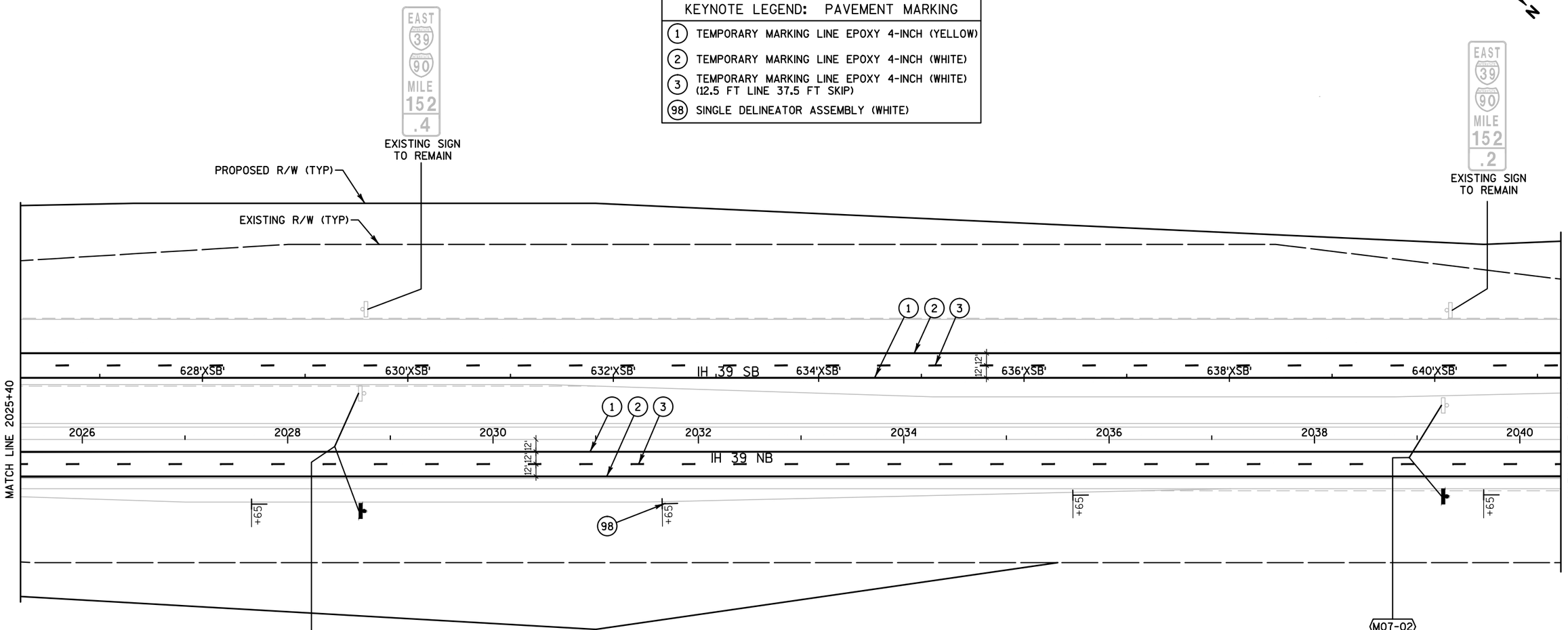
2

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
97	DOUBLE DELINEATOR ASSEMBLY (YELLOW)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)



PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)



PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 07 OF 18	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/9/2017 6:04 PM PLOT BY : SEH LAYOUT NAME : 07 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

R5-1 48"x48" DO NOT ENTER
R3-4-A 36"X12" EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES
08-07

KOSHKONONG RD

08-08
08-09
08-10
08-11
W5-56 18"X18"
(MOUNTED ON EMERGENCY ACCESS GATE, SEE CONSTRUCTION DETAIL, SPECIFIED FASTENIERS INCIDENTAL TO SIGN ITEMS)

EAST 39 90 MILE 152 .0
EXISTING SIGN TO REMAIN

Hwy W
EXISTING SIGN TO REMAIN

PROPOSED R/W (TYP)
EXISTING R/W (TYP)

48'W
CTH W 48'W
50'W
52'W
CTH W 54'W

BEGIN MARKING
STA 50+50'W'

MATCH EXISTING EDGE AND ℄

MATCH LINE 2040+40
MATCH LINE 2055+40

642'XSB' 644'XSB' 646'XSB' TH 39 SB 648'XSB' 650'XSB' 652'XSB' 654'XSB' 656'XSB'
2042 2044 2046 2048 2050 2052 2054
IH 39 NB
12'
12'12'

+99 +65 +13

1 2 3 (DBL)

98

08-01
R5-1 48"x48" DO NOT ENTER
R3-4-A 36"X12" EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES
(MOUNTED ON EMERGENCY ACCESS GATE, SEE CONSTRUCTION DETAIL, SPECIFIED FASTENIERS INCIDENTAL TO SIGN ITEMS)

08-02
08-03
08-04
08-05
W5-56 18"X18"

R08-01
DO NOT ENTER EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES
REMOVE

M08-03
WEST 39 90 MILE 152 .0
D10-5A

R08-02
Hwy W
REMOVE

08-06
Hwy W
M1-94 54"x21"

MATCH EXISTING EDGE AND ℄

END MARKING
STA 53+50'W'

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 08 OF 18	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG | PLOT DATE : 10/9/2017 6:04 PM | PLOT BY : SEH | LAYOUT NAME : 08 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

R3-4-B
MOVE TO
STA 2137+60, LT
M09-03

EXISTING SIGN
TO REMAIN

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

658'XSB' 660'XSB' 662'XSB' 664'XSB' IH 39 SB 666'XSB' 668'XSB' 670'XSB'

MATCH LINE 2055+40

2056 2058 2060 2062 2064 2066 2068 2070

IH 39 NB

MATCH LINE 2070+40

+65 +65 +65 +65

12' 12' 12' 12'

1 2 3

98

56'W

M09-01

R3-4-B
MOVE TO
STA 2138+35, LT

M09-02

D10-5A

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 09 OF 18	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/9/2017 6:04 PM PLOT BY : SEH LAYOUT NAME : 09 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

EAST 39 90 MILE 151 .6
EXISTING SIGN TO REMAIN

EAST 39 90 MILE 151 .4
EXISTING SIGN TO REMAIN

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

672'XSB' 674'XSB' 676'XSB' 678'XSB' 680'XSB' 682'XSB' 684'XSB' 686'XSB'

12'

12'

IH 39 SB

IH 39 NB

MATCH LINE 2070+40

2072 2074 2076 2078 2080 2082 2084

MATCH LINE 2085+40

+65 +65 +65 +03

98

M10-01
WEST 39 90 MILE 151 .6
D10-5A

M10-02
WEST 39 90 MILE 151 .4
D10-5A

<CAUTION>

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

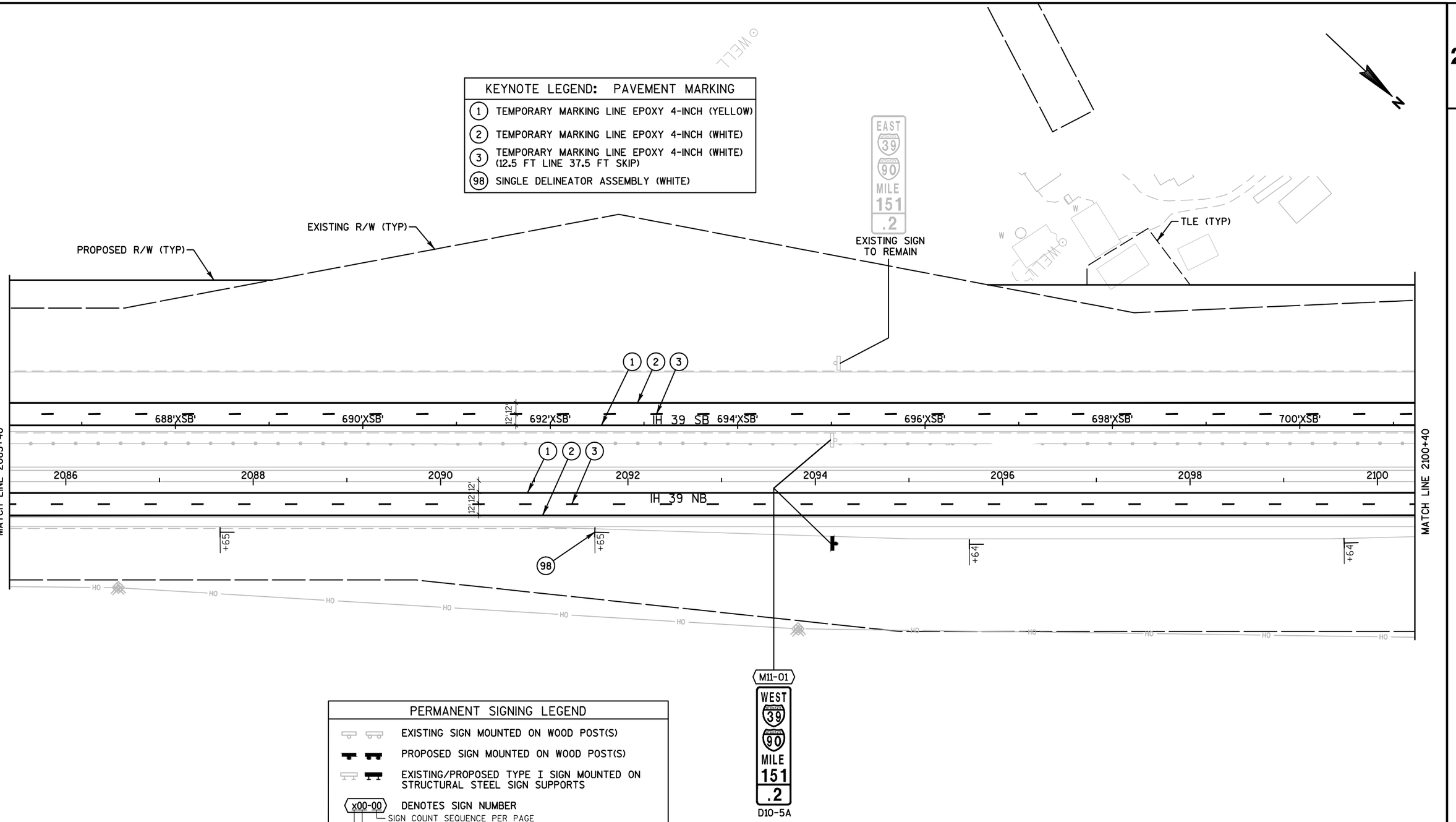
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 10 OF 18	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/9/2017 6:05 PM PLOT BY : SEH LAYOUT NAME : 10 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007\1001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)



PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG | PLOT DATE : 10/9/2017 6:05 PM | PLOT BY : SEH | LAYOUT NAME : 11 | PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

2

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

EAST 39 90 MILE 151 .0
EXISTING SIGN TO REMAIN

PROPOSED R/W (TYP)
EXISTING R/W (TYP)
PLE (TYP)

MATCH LINE 2100+40
MATCH LINE 2115+40

IH 39 SB
IH 39 NB

12'
12'

2102 2104 2106 2108 2110 2112 2114
702'XSB 704'XSB 706'XSB 708'XSB 710'XSB 712'XSB 714'XSB 716'XSB
+64 +63 +60

M12-01
WEST 39 90 MILE 151 .0
D10-5A

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

DROTNING RD
MAILBOX
SEPTIC

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 12 OF 18	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG | PLOT DATE : 10/9/2017 6:05 PM | PLOT BY : SEH | LAYOUT NAME : 12 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

EAST 39 90 MILE 150 .8
EXISTING SIGN TO REMAIN

EAST 39 90 MILE 150 .6
EXISTING SIGN TO REMAIN

DROTNING RD

PLE (TYP)

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

MATCH LINE 2115+40

MATCH LINE 2130+00

IH 39, SB

IH 39 NB

718'XSB 720'XSB 722'XSB 724'XSB 726'XSB 728'XSB 730'XSB

2116 2118 2120 2122 2124 2126 2128

+57 +54 +50 +47

44'D 46'D 50'D 52'D 54'D

12' 12' 12' 12' 12'

M13-01
WEST 39 90 MILE 150 .8
D10-5A

M13-02
WEST 39 90 MILE 150 .6
D10-5A

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 13 OF 18	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 11/8/2017 6:39 AM PLOT BY : SEH LAYOUT NAME : 13 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
97	DOUBLE DELINEATOR ASSEMBLY (YELLOW)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

EAST 39 90 MILE 150 .4

EXISTING SIGN TO REMAIN

EXCEPT MAINTENACE AND POLICE AUTHORIZED VEHICLES

R3-4-B
MOVE FROM
STA 2063+40, LT
M14-03

N

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

MATCH LINE 2130+00

732'XSB 734'XSB 736'XSB 738'XSB IH 39 SB 740'XSB 742'XSB 744'XSB

2132 2134 2136 2138 2140 2142 2144

IH 39 NB

+44 +41 +38 +36

MATCH LINE 2145+00

HO

TOWER

M14-01
WEST 39 90 MILE 150 .4
D10-5A

M14-02
EXCEPT MAINTENACE AND POLICE AUTHORIZED VEHICLES
R3-4-B
MOVE FROM
STA 2062+75, LT

R14-01
SLOWER TRAFFIC KEEP RIGHT
REMOVE

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 14 OF 18	SHEET E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007111\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/9/2017 6:05 PM PLOT BY : SEH LAYOUT NAME : 14 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON WOOD POST(S)
- PROPOSED SIGN MOUNTED ON WOOD POST(S)
- EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
- x00-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

CTH BN

46'BN'

48'BN'

50'BN'

52'BN'

54'BN'

EAST 39 90 MILE 150 .2

EXISTING SIGN TO REMAIN

REMOVE R15-03

EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES

Hwy BN

EXISTING SIGN TO REMAIN

EAST 39 90 MILE 150 .0

EXISTING SIGN TO REMAIN

746'XSB' 748'XSB' 750'XSB' IH 39 SB 752'XSB' 754'XSB' 756'XSB' 758'XSB' 760'XSB'

12' 12'

MATCH LINE 2145+00

2146 2148 2150 2152 2154 2156 2158

IH 39 NB

12' 12' 12'

MATCH LINE 2160+00

+36

HO

M15-01

WEST 39 90 MILE 150 .2

D10-5A

R15-01

REMOVE

R15-02

Hwy BN

REMOVE

15-01

Hwy BN

M1-94

60"x21"

98

M15-02

WEST 39 90 MILE 150 .0

D10-5A

N

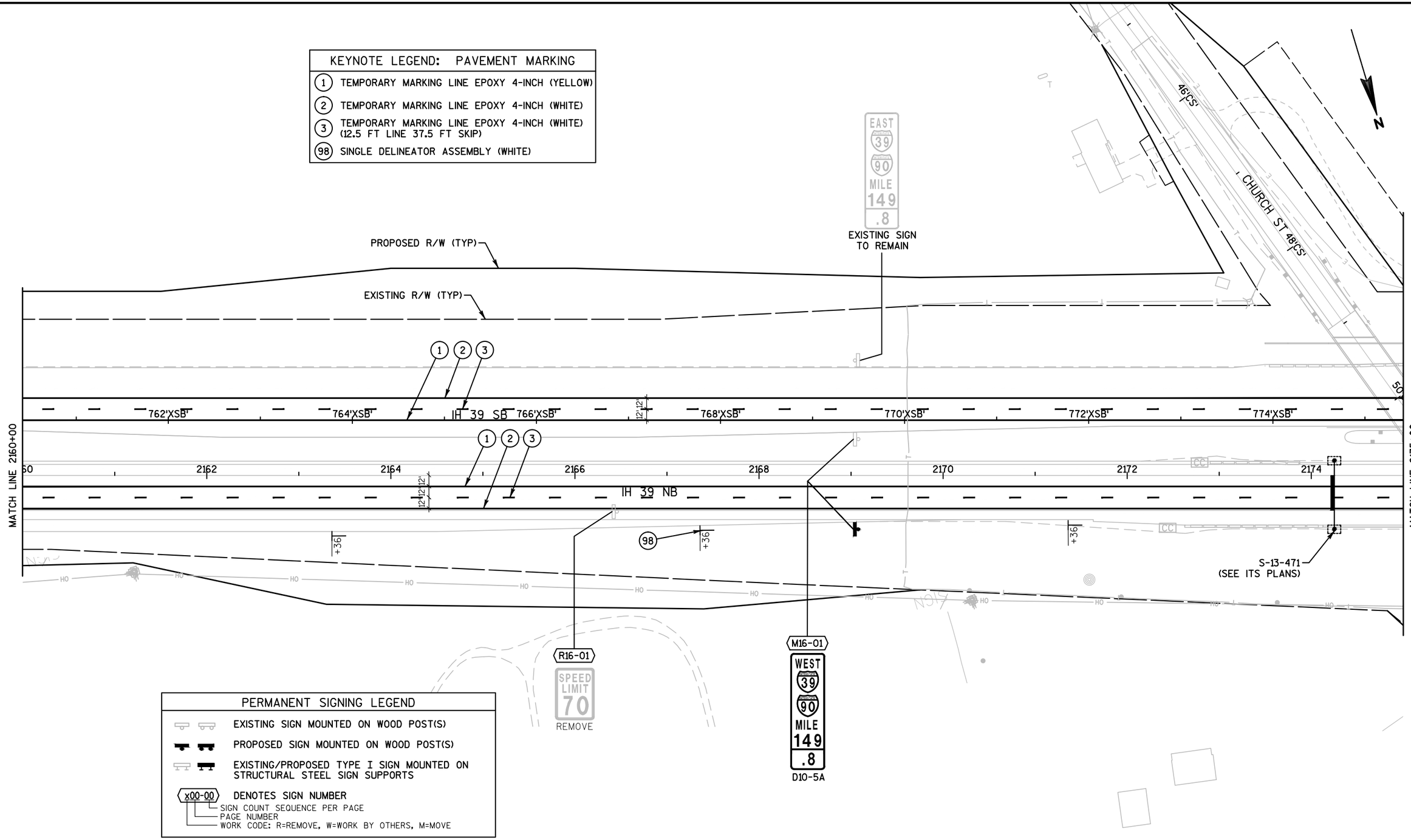
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 15 OF 18	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/9/2017 6:05 PM PLOT BY : SEH LAYOUT NAME : 15 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)



PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 16 OF 18	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/9/2017 6:05 PM PLOT BY : SEH LAYOUT NAME : 16 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
97	DOUBLE DELINEATOR ASSEMBLY (YELLOW)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

EAST INTERSTATE 39 INTERSTATE 90 MILE 149 .6

EXISTING SIGN TO REMAIN

TLE (TYP)

EXISTING R/W (TYP)

EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES

R3-4-B

M17-02

N

776'XSB 778'XSB 780'XSB IH 39 SB 782'XSB 784'XSB 786'XSB 788'XSB 790'XSB

MATCH LINE 2175+00

2176 2178 2180 2182 2184 2186 2188 2190

IH 39 NB

MATCH LINE 2190+00

12' 12' 12'

+36

52'CS

CHURCH ST

54'CS

56'CS

M17-01

WEST INTERSTATE 39 INTERSTATE 90 MILE 149 .6

D10-5A

PROPOSED R/W (TYP)

17-01

SLOWER TRAFFIC KEEP RIGHT

R4-3

48"x60"

M17-03

EXCEPT MAINTENACE AND POLICE AUTHORIZED VEHICLES

R3-4-B

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 17 OF 18	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/9/2017 6:05 PM PLOT BY : SEH LAYOUT NAME : 17 PLOT SCALE : 1.0 IN = 100.0 FT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS

2

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

EAST 39 90 MILE 149 .4
EXISTING SIGN TO REMAIN

W5-52L
18"x54"
(BARRIER MOUNT REQUIRED)
18-01

EAST 39 90 MILE 149 .2
(SEE PROJECT 1007-11-76)

N

PROPOSED R/W (TYP)

END SB MARKING
STA 795+35'XSB'

792'XSB'
794'XSB'
796'XSB'
798'XSB'
800'XSB'
802'XSB'
804'XSB'
806'

IH. 39 SB

12'

END PROJECT 1007-11-71
STA 2195+00
BEGIN PROJECT 1007-11-76

2192
2194

IH 39 NB

MATCH LINE 2190+00

98
+36

EXISTING R/W (TYP)

HO

M18-01
R18-01

WEST 39 90 MILE 149 .4
D10-5A

EMERGENCY STOPPING ONLY
REMOVE

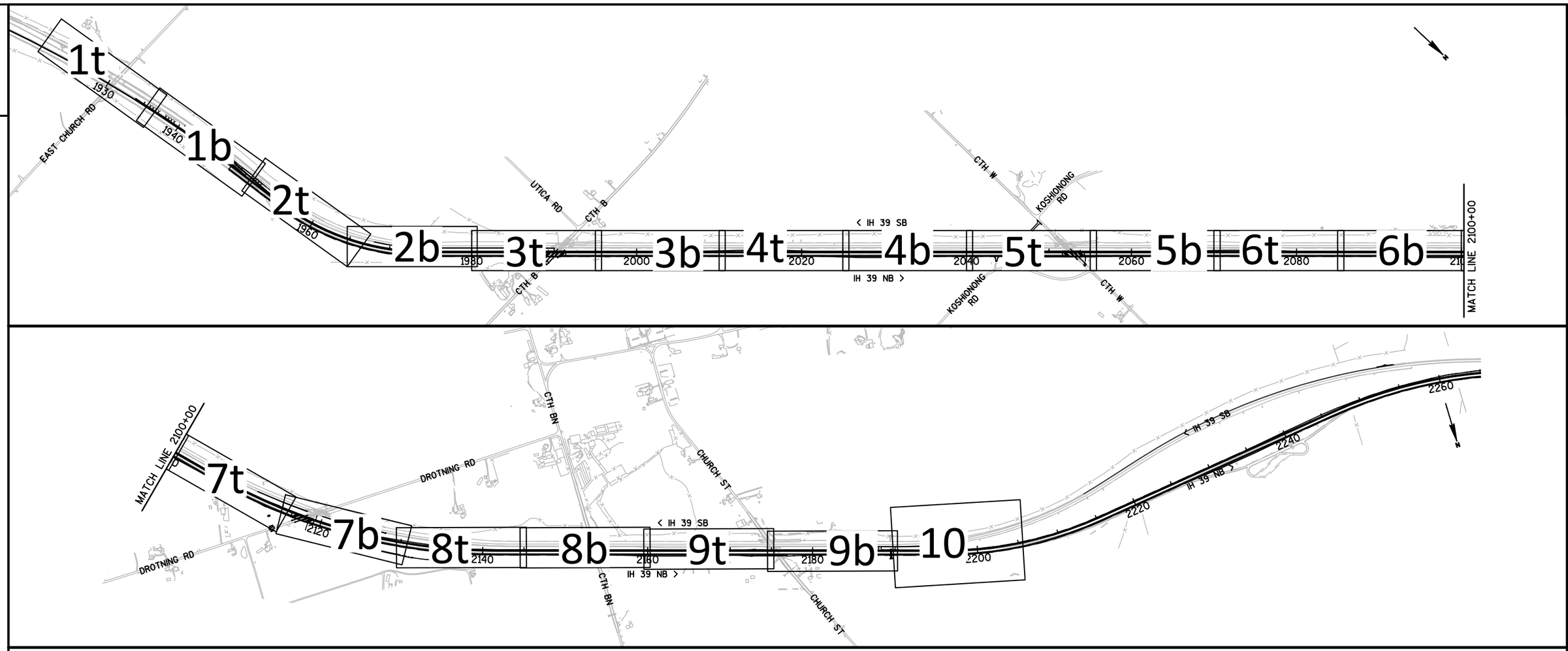
(SEE PROJECT 1007-11-76)
WEST 39 90 MILE 149 .2

(SEE PROJECT 1007-11-76)
FOOD-EXIT 147
ARBYS
SUBWAY
ATTRACTION-EXIT 147
STOUGHTON OPERA HOUSE

NOT TO SCALE

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007101\SEC 02 TYPICAL SECTIONS & DETAILS



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK SPACE
- TEMPORARY PAVEMENT

GENERAL NOTES: TRAFFIC CONTROL

1. THE FOLLOWING NOTES ARE APPLICABLE TO ALL STAGES. SEE THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL AND CONSTRUCTION STAGING REQUIREMENTS.
2. NORTHBOUND AND SOUTHBOUND, PORTABLE CHANGEABLE MESSAGES SIGNS (PCMS), ON IH 39, SHALL BE LOCATED BY WISDOT SOUTHWEST REGION TRAFFIC SECTION.
3. FOR APPLICATION OF REGULATORY OR ADVISORY SPEED LIMIT SIGNS, CONTACT RICH CANNON, I-39/90 TRAFFIC MANAGEMENT ENGINEER, AT (608) 884-1160.
4. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.
5. ALL "WO" OR "W" DIAMOND SHAPED WARNING SIGNS, SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.
6. ALL DRUMS IN TAPERS SHALL HAVE A TRAFFIC CONTROL WARNING LIGHTS TYPE C, (STEADY BURN).
7. MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.
8. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.
9. ALL SHORT TERM LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROW BOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION. DRUMS ADJACENT TO GUARDRAIL SHOULD BE STORED BEHIND THE GUARDRAIL IN LOCATIONS WHERE PRACTICAL.
10. SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.
11. DIMENSIONS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE FACE OF THE BARRIER ADJACENT TO TRAFFIC. STATION/OFFSET CALL-OUTS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE CENTER OF THE BARRIER.
12. ALWAYS PROVIDE A MINIMUM OF 2' CLEAR FROM EDGE OF TRAVEL LANE TO THE TOE OF THE CONCRETE BARRIER TEMPORARY PRECAST.
13. WITHIN 2 FEET OF TRAVEL LANE, EXISTING SHOULDER SHALL BE REPLACED WITH NEW PAVEMENTS IN THE SAME NIGHT. NO AGGREGATE SHOULDERS SHALL BE PERMITTED ADJACENT TO TRAVEL LANES.

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - GENERAL NOTES & SHEET INDEX	SHEET E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007171\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL
FILE NAME : 025200_TC (IH 39 TRAF CNTRL OVERVIEW & GEN NOTES).DWG
PLOT DATE : 10/9/2017 6:06 PM
PLOT BY : SEH
LAYOUT NAME : 025000_TC (TC GEN NOTES & SHEET INDEX)
PLOT SCALE : 1.0 IN = 1200.0 FT
WISDOT/CADDS SHEET 42

2

TRAFFIC CONTROL LEGEND	
TYPE III BARRICADE (WITH/WITH OUT SIGN)	
TRAFFIC CONTROL DRUM	WORK SPACE
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	
FLASHING ARROW BOARD	TEMPORARY PAVEMENT
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	
CONC. BARRIER TEMP. PRECAST	
CC — CRASH CUSHIONS PERMANENT	
CRASH CUSHIONS TRAFFIC CONTROL	
DIRECTION OF TRAFFIC	
PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)	

DRAWING NOTE:

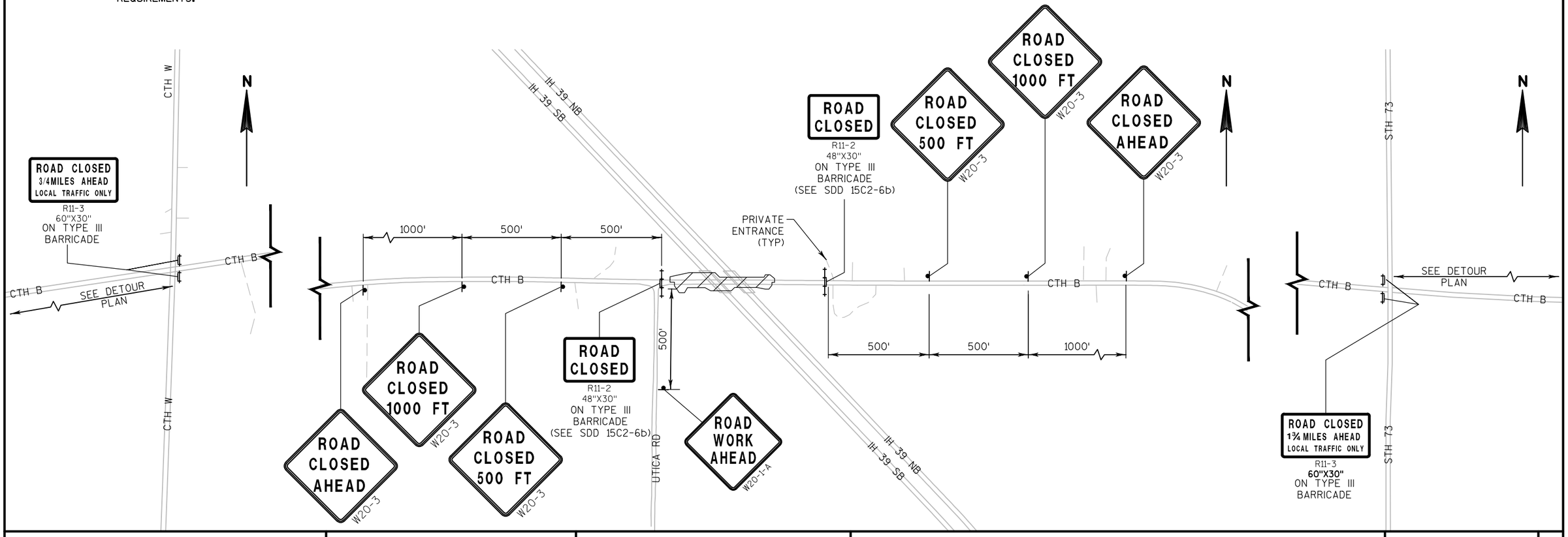
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR ADDITIONAL INFORMATION

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.

SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.

GENERAL NOTES: TRAFFIC CONTROL

1. THE FOLLOWING NOTES ARE APPLICABLE TO ALL STAGES. SEE THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL AND CONSTRUCTION STAGING REQUIREMENTS.
2. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.
3. ALL "WO" OR "W" WARNING SIGNS, SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.
4. MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.
5. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.
6. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.
7. SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - CLOSURE DETAIL, CTH B PAGE 01 OF 02	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 025001_TC (TC CLOSURE DETAIL B-W-DROT).DWG PLOT DATE : 10/9/2017 6:06 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 500.0 FT

WISDOT/CADDS SHEET 42

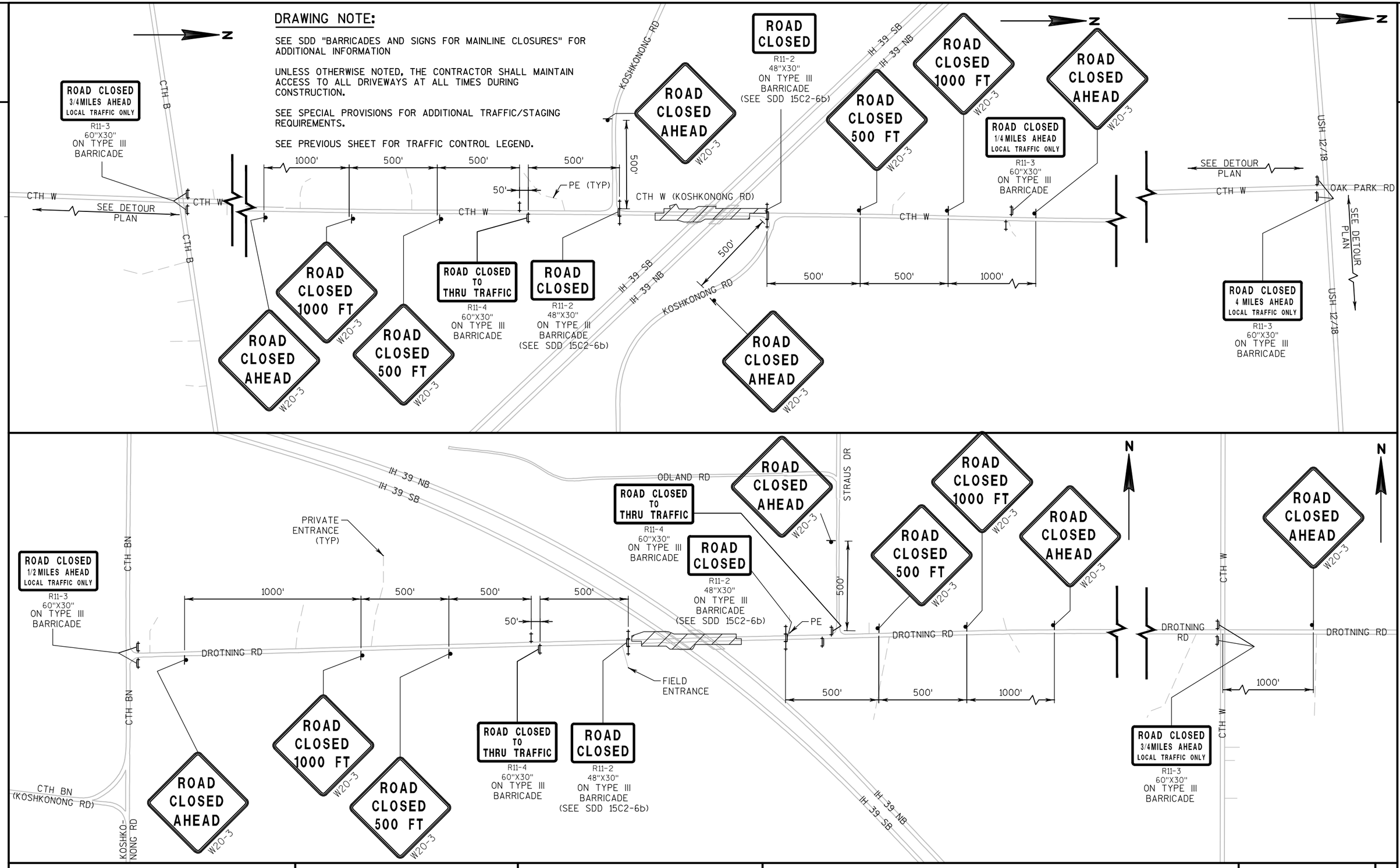
DRAWING NOTE:

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR ADDITIONAL INFORMATION

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.

SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.

SEE PREVIOUS SHEET FOR TRAFFIC CONTROL LEGEND.



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAF CNTRL - CLOSURE DETAIL, CTH W, DROTNING RD PAGE 02 OF 02	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 025001_TC (TC CLOSURE DETAIL B-W-DROT).DWG PLOT DATE : 10/9/2017 6:06 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 500.0 FT

WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

BLACK ON FLUORESCENT ORANGE

ROAD WORK NEXT XX MILES

FINES DOUBLE IN WORK ZONES — Give 'em a BRAKE SLOW DOWN

W21-62
96"_X_48"

BLACK ON WHITE

PLACE ONLY AS DIRECTED BY ENGINEER

TRAFFIC CONTROL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, 500 FEET DESIRABLE, DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

TRAFFIC CONTROL DEVICES NOT IN USE SHALL BE LAYED DOWN OR REMOVED, TURNING OF DEVICES TO OBSCURE THE MESSAGE WILL NOT BE ALLOWED.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS WITH A MINIMUM 5' MOUNTING HEIGHT.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 7 CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

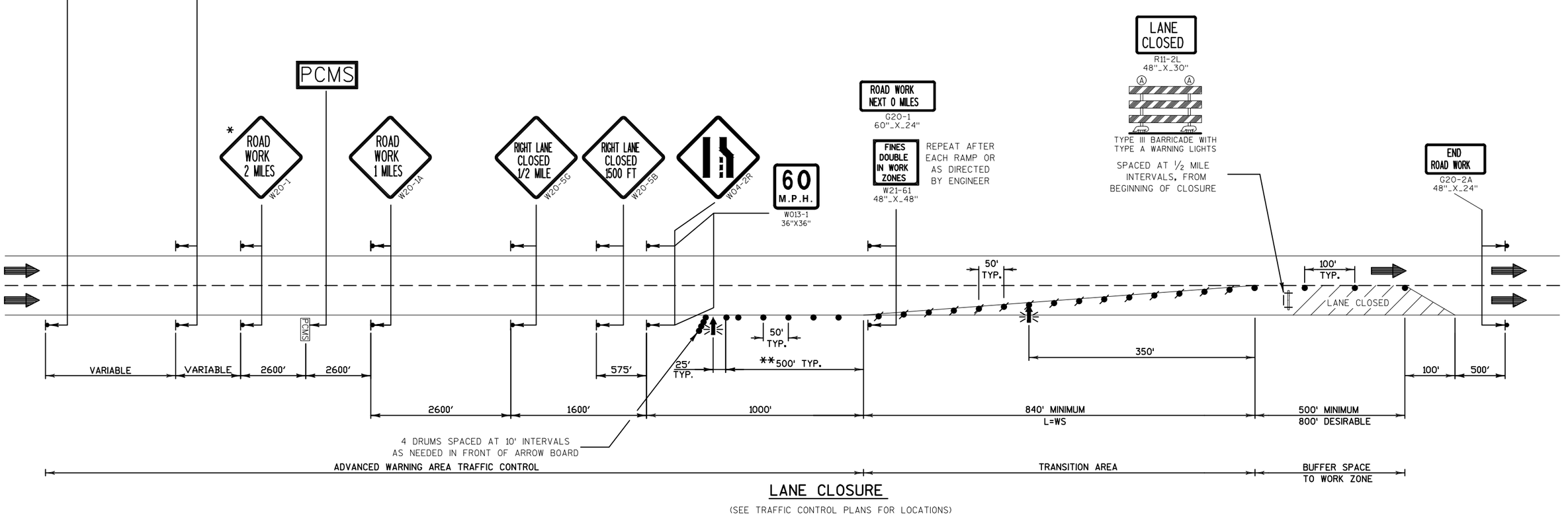
IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY ½ MILE ACROSS THE CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ½ THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* OPTIONAL - USE WHEN WARRANTED BY ROADWAY GEOMETRICS OR TRAFFIC VOLUMES

** CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM OF 1500 FEET IN FRONT OF THE DRUMS.

COVERING AND REMOVAL OF MATERIAL COVERING TEMPORARY REGULATORY SPEED LIMIT SIGNS AND EXISTING SPEED LIMIT SIGNS RELATED TO TEMPORARY AND/OR PERIODIC LANE CLOSURES SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

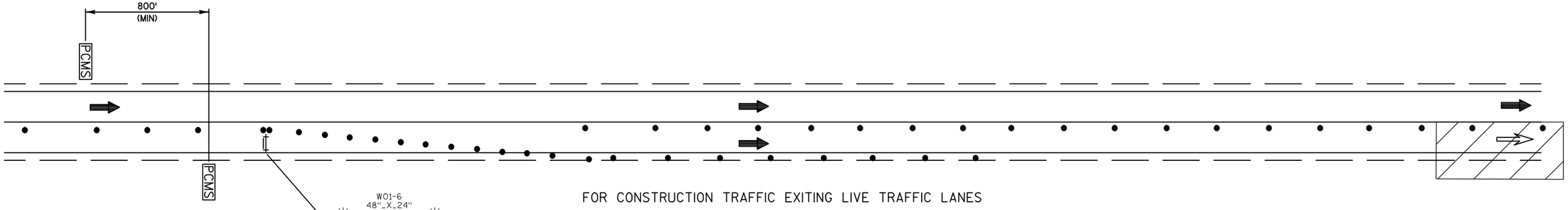


LANE CLOSURE

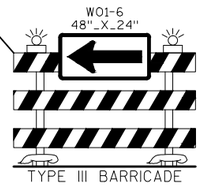
(SEE TRAFFIC CONTROL PLANS FOR LOCATIONS)

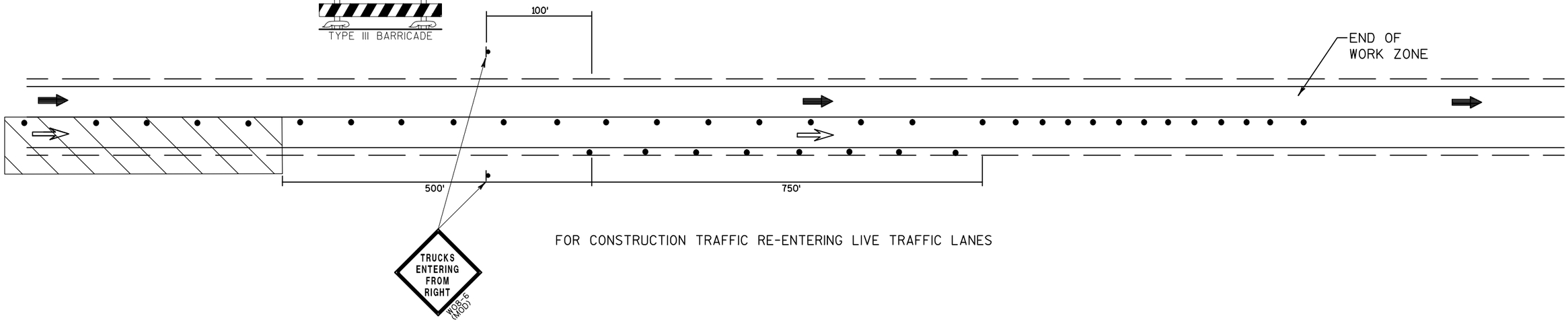
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL DETAIL	SHEET 168	E

2



FOR CONSTRUCTION TRAFFIC EXITING LIVE TRAFFIC LANES





FOR CONSTRUCTION TRAFFIC RE-ENTERING LIVE TRAFFIC LANES

NOTE:
SPACING AND LOCATIONS OF DEVICES IN THE FIELD
SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER

SEE OTHER TRAFFIC CONTROL DETAILS AND STANDARD
DETAIL DRAWINGS FOR LANE CLOSURE DETAILS

PORTABLE MESSAGE SIGN MESSAGES SHOULD READ:

FRAME 1	FRAME 2
TRUCKS EXITING RIGHT	TRAFFIC STAY LEFT

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL SIGN
- IH 39 TRAFFIC
- CONSTRUCTION TRAFFIC
- WORK ZONE
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

TRAFFIC CONTROL DETAIL FOR CONSTRUCTION ACCESS AT LANE CLOSURES

NIGHT USE ONLY

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL DETAIL	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007117I\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

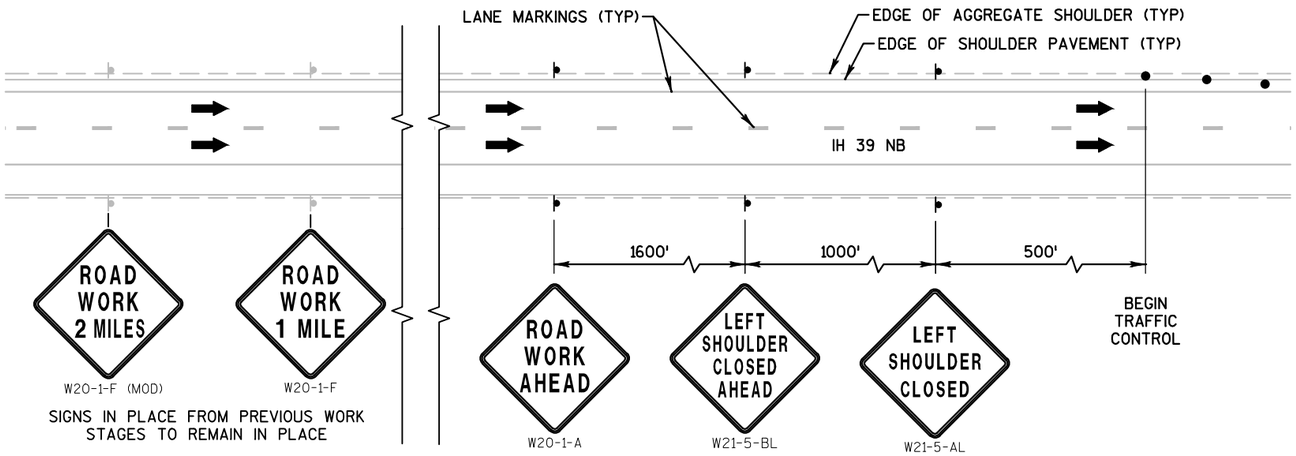
FILE NAME : 025000_TC (CMT TRAF CNTRL DETAIL - IH 39- TRUCK ACCESS AT LANE CLOSURE).DWG PLOT DATE : 10/9/2017 6:07 PM PLOT BY : CMT LAYOUT NAME : 04 PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 42

SPACING AND LOCATIONS OF DEVICES IN THE FIELD SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER.

LEFT SHOULDER CLOSURE SHOWN. MIRROR LAYOUT AND SIGN MESSAGES FOR RIGHT SHOULDER CLOSURE.

ALL "WO" OR "W" DIAMOND SHAPED WARNING SIGNS, SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED.



TRAFFIC CONTROL ADVANCED WARNING AREA - SHOULDER CLOSURE

IH 39 NORTHBOUND OR SOUTHBOUND (NB SHOWN)

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

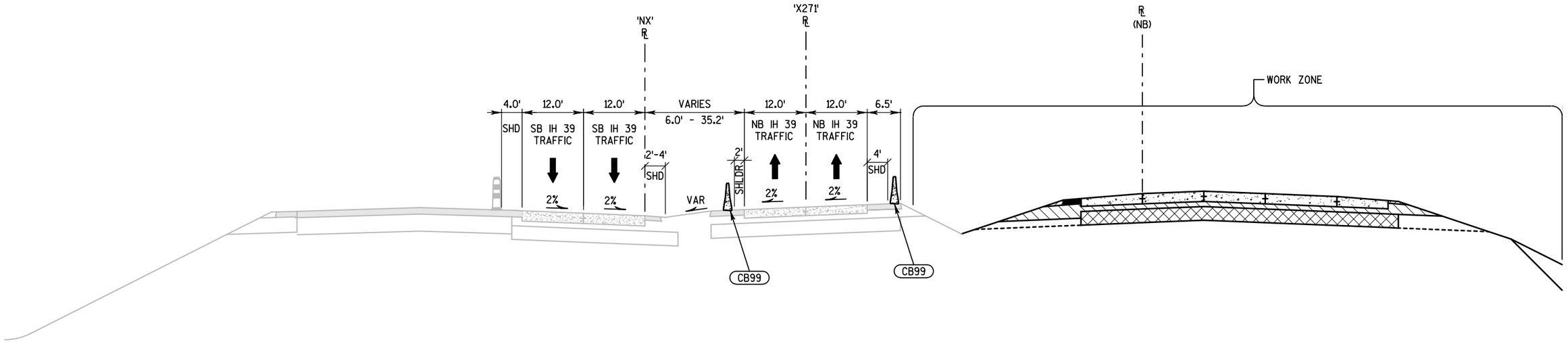
WORK SPACE

TEMPORARY PAVEMENT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

KEYNOTE LEGEND: TYPICAL SECTIONS

CB99	CONCRETE BARRIER TEMPORARY PRECAST



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 1

STA 1936+28'X271' TO 1956+11.56'X271'
STA 936+38.34'NX' TO 956+12.90'NX'

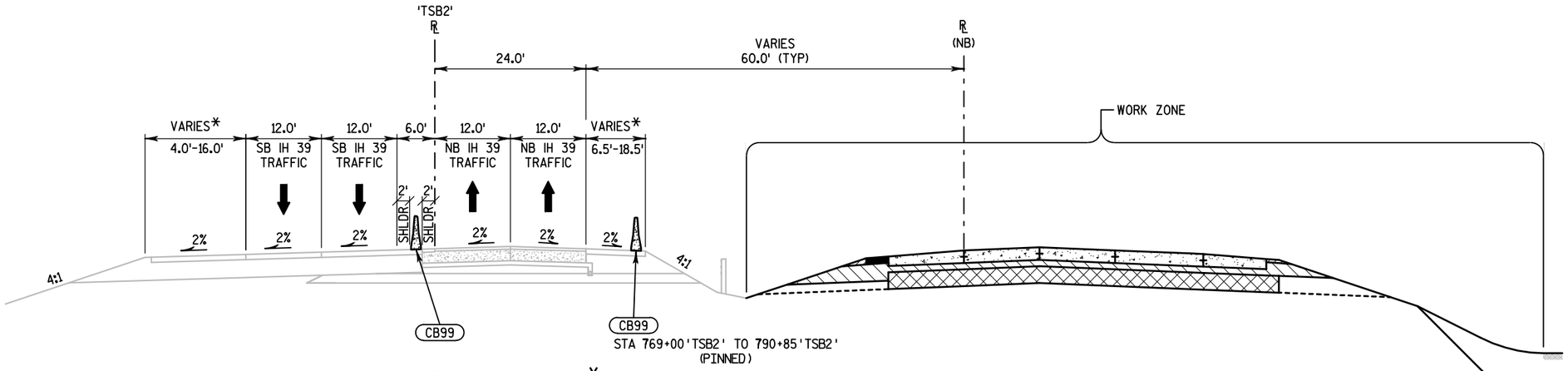
PROJECT NO:1007-11-71	HWY:IH 39	COUNTY:DANE	TRAFFIC CONTROL - TYPICAL SECTIONS, STAGE 1	SHEET 171 E

FILE NAME : 025301_TC_TS (TC TYP SEC SOUTH).DWG | PLOT DATE : 10/9/2017 6:07 PM | PLOT BY : SEH | LAYOUT NAME : 01 | PLOT SCALE : 1 IN:20 FT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

KEYNOTE LEGEND: TYPICAL SECTIONS

CB99	CONCRETE BARRIER TEMPORARY PRECAST



TEMPORARY EMERGENCY PULLOUTS*

STA 757+47'TSB2' TO STA 761+97'TSB2', RT
STA 779+94'TSB2' TO STA 784+44'TSB2', LT
STA 835+09'TSB2' TO STA 839+59'TSB2', RT
STA 866+94'TSB2' TO STA 871+44'TSB2', LT
STA 933+19'TSB2' TO STA 937+69'TSB2', LT
STA 962+44'TSB2' TO STA 966+44'TSB2', RT
STA 979+94'TSB2' TO STA 984+44'TSB2', LT

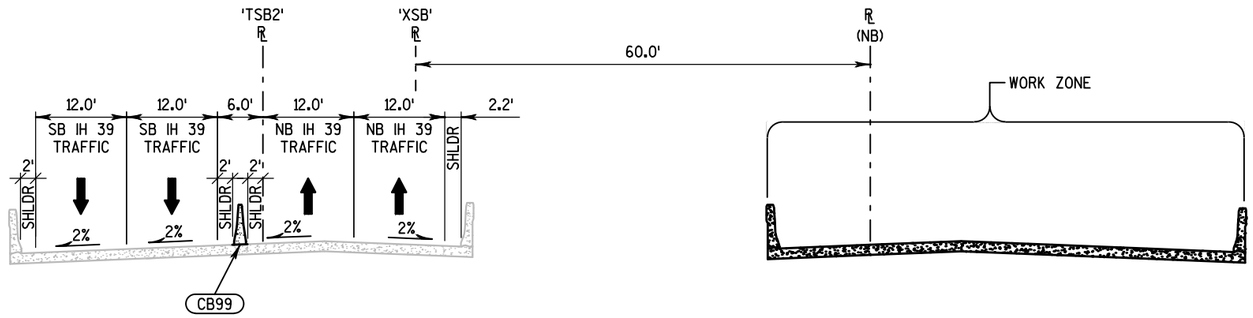
TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 1

STA 757+47'TSB2' TO 995+19'TSB2'

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

KEYNOTE LEGEND: TYPICAL SECTIONS

CB99	CONCRETE BARRIER TEMPORARY PRECAST

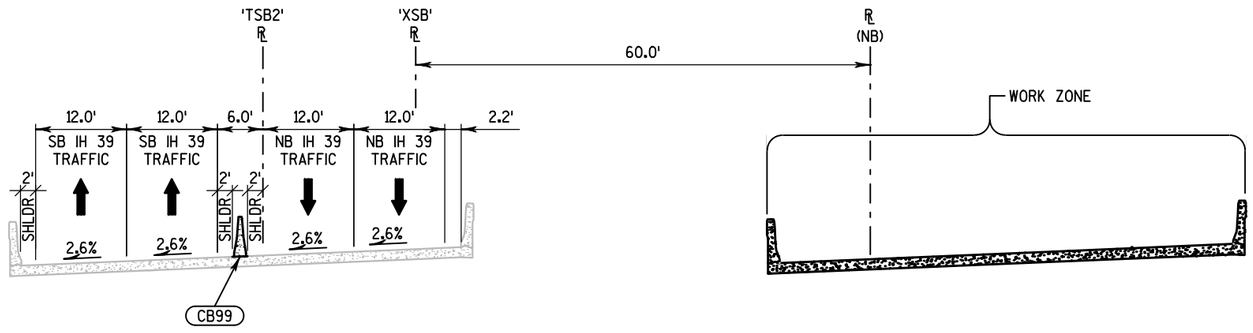


UNDERPASS CTH B: B-13-164
UNDERPASS CTH W: B-13-148

UNDERPASS CTH B: B-13-713
UNDERPASS CTH W: B-13-715

TYPICAL FINISHED SECTION - TRAFFIC CONTROL STAGE 1

UNDERPASS CTH B
UNDERPASS CTH W



UNDERPASS DROTNING RD: B-13-146

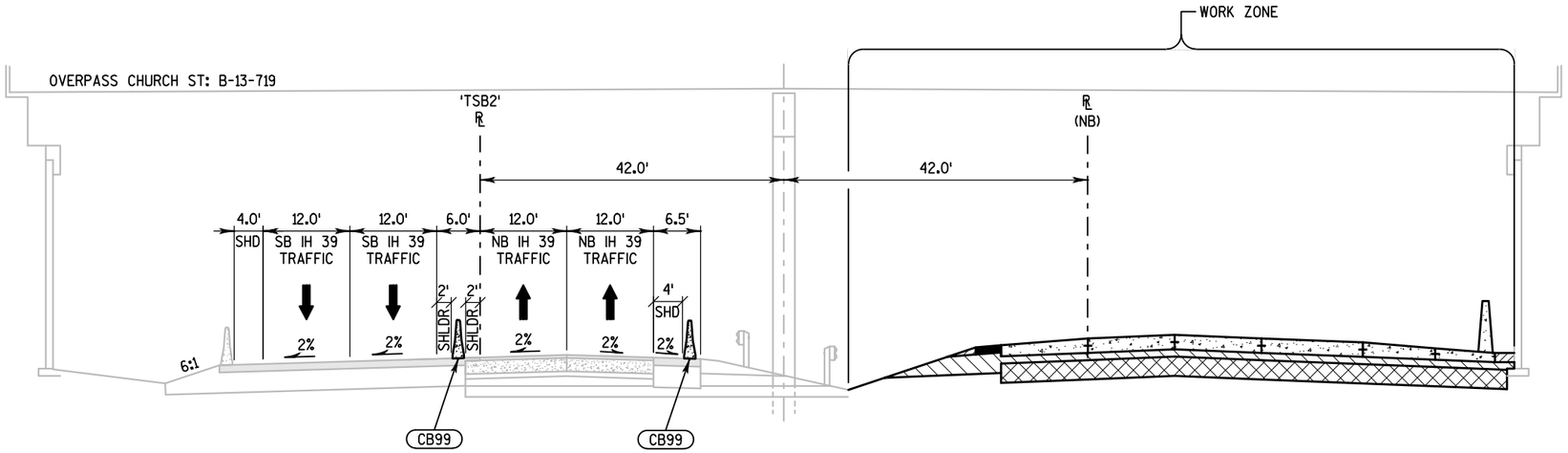
UNDERPASS DROTNING RD: B-13-717

TYPICAL FINISHED SECTION - TRAFFIC CONTROL STAGE 1

UNDERPASS DROTNING RD

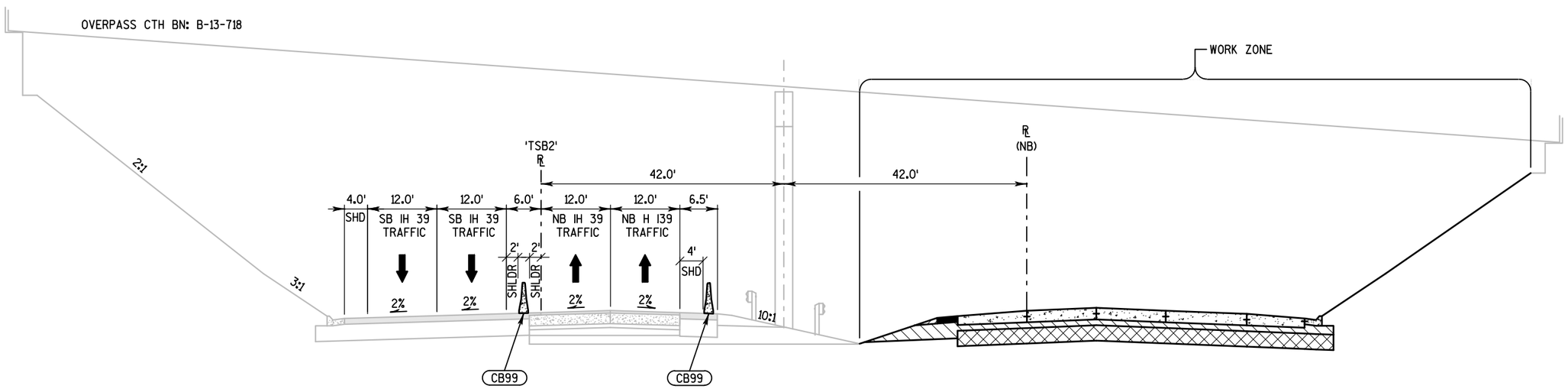
KEYNOTE LEGEND: TYPICAL SECTIONS

(CB99) CONCRETE BARRIER TEMPORARY PRECAST



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 1

OVERPASS CHURCH ST STA 973+86'TSB2' TO 975+78'TSB2'



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 1

OVERPASS CTH BN STA 952+93'TSB2' TO 954+03'TSB2'

PROJECT NO:1007-11-71	HWY:IH 39	COUNTY:DANE	TRAFFIC CONTROL - TYPICAL SECTIONS, STAGE 1	SHEET 174	E

FILE NAME : 025301_TC_TS (TC TYP SEC SOUTH).DWG | PLOT DATE : 10/9/2017 6:08 PM | PLOT BY : SEH | LAYOUT NAME : 04 | PLOT SCALE : 1 IN:20 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- WORK SPACE
- TEMPORARY PAVEMENT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CNTRL.
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

STAGE 1 CONSTRUCTION SUMMARY

CONSTRUCTION OPERATIONS CONCURRENT WITH PROJECTS 1007-11-74 AND 1007-11-76.

CONSTRUCT NB IH 39 CONCRETE PAVEMENTS AND TEMPORARY HMA SHOULDERS.

CONSTRUCT BRIDGE STRUCTURES B-13-713, B-13-715, AND B-13-717.

CONSTRUCT CULVERT STRUCTURES C-13-3083 STG 1 AND C-13-3084 STG 2.

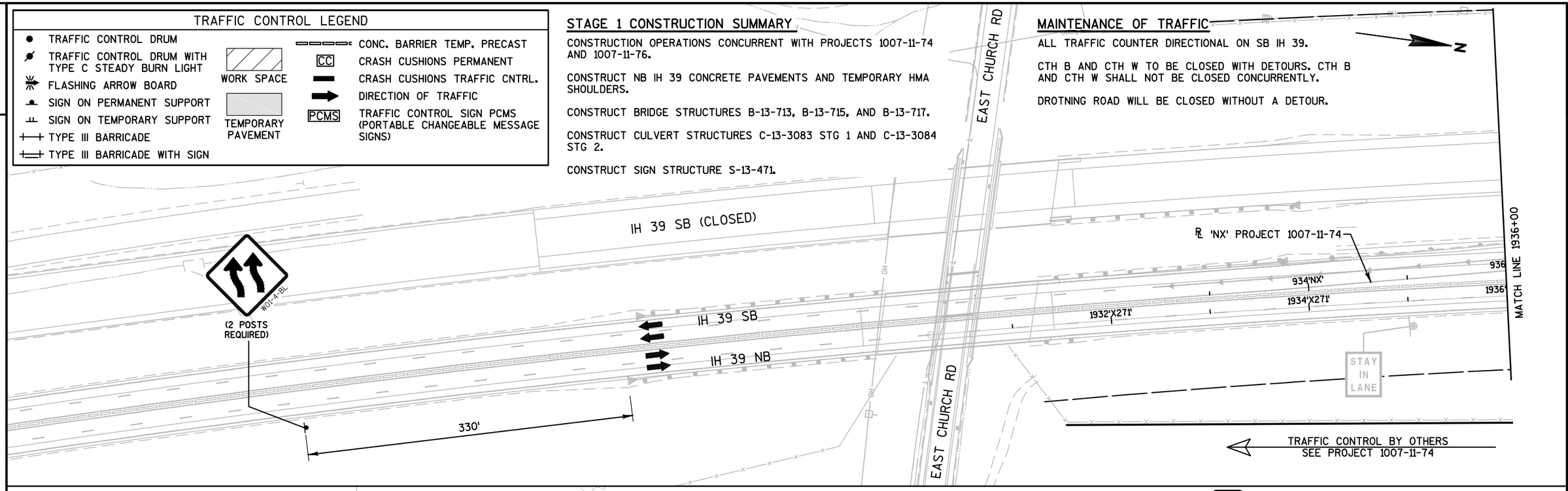
CONSTRUCT SIGN STRUCTURE S-13-471.

MAINTENANCE OF TRAFFIC

ALL TRAFFIC COUNTER DIRECTIONAL ON SB IH 39.

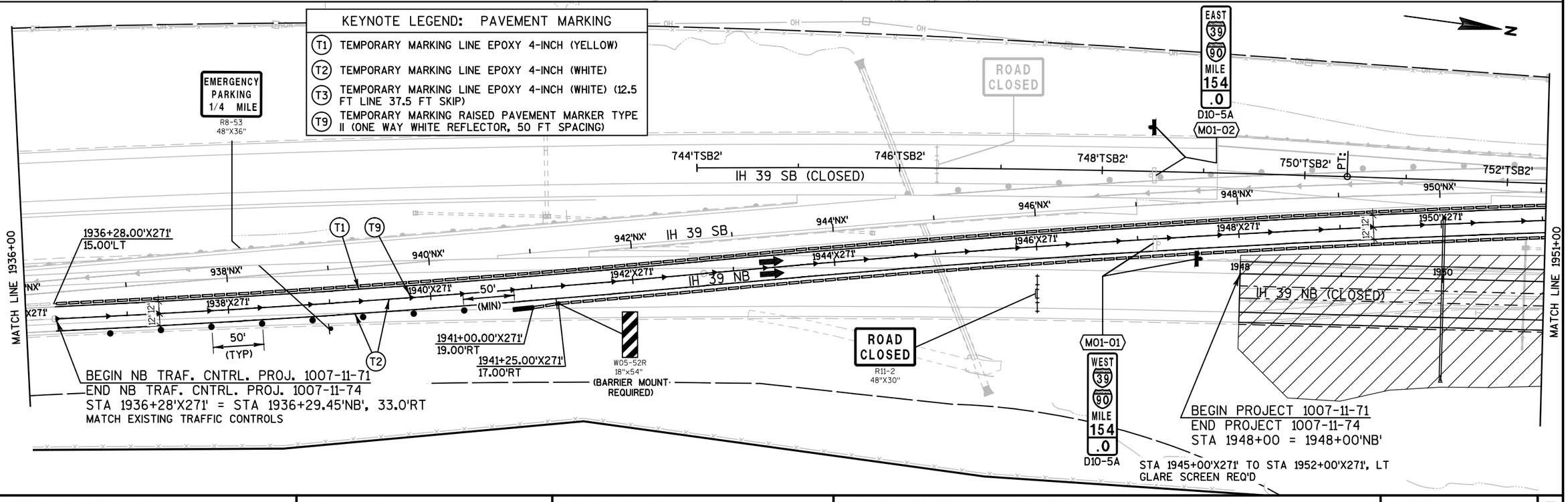
CTH B AND CTH W TO BE CLOSED WITH DETOURS. CTH B AND CTH W SHALL NOT BE CLOSED CONCURRENTLY.

DROTNING ROAD WILL BE CLOSED WITHOUT A DETOUR.



KEYNOTE LEGEND: PAVEMENT MARKING

- (T1) TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
- (T2) TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
- (T3) TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
- (T9) TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE II (ONE WAY WHITE REFLECTOR, 50 FT SPACING)



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 01 OF 10	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL
FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG
PLOT DATE : 10/9/2017 6:09 PM
PLOT BY : SEH
LAYOUT NAME : 01
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

2

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T9	TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE II (ONE WAY WHITE REFLECTOR, 50 FT SPACING)

SB TRAFFIC CONTROL BY OTHERS
SEE PROJECT 1007-11-74

EAST 39 90 MILE 153 .8
D10-5A
M02-04

STAY IN LANE

BEGIN SB TRAFFIC CONTROL
PROJECT 1007-11-71

MATCH LINE 1951+00

R 'NX' PROJECT 1007-11-74
R 'X271'
952'NX'
754'TSB2'
1952'X271'
954'NX'
756'TSB2'
1954'X271'
1956+11.56'X271'
15.00'LT
757+46.45'TSB2'
3.00'LT
956'NX'
758'TSB2'
16' (MIN)
8'X271'
1952+41.00'X271'
17.00'RT
1955+67.19'X271'
28.03'RT
GATES PIPE SINGLE LEAF, 16-FOOT REQ'D
1956+11.30'X271'
29.00'RT
STA 1945+00'X271' TO STA 1952+00'X271', LT
GLARE SCREEN REQ'D
STA 1955+73, LT
CONSTRUCT TEMPORARY EMERGENCY MEDIAN ACCESS
1-24"X28' CULVERT PIPE TEMPORARY REQ'D
2-24" AEW FOR CULVERT PIPE REQ'D

W05-52R
18"x54"
(BARRIER MOUNT REQUIRED)

IH 39 SB
762'TSB2'
760'TSB2'
IH 39 NB
IH 39 NB (CLOSED)
766'TSB2'
764+58.31'TSB2'
35.01'RT
761+96.26'TSB2'
41.00'RT
757+46.41'TSB2'
41.00'RT
TEMPORARY EMERGENCY PULLOUT

EMERGENCY PARKING 2 HR MAX
R8-54
48"X36"

WEST 39 90 MILE 153 .8
D10-5A
M02-01

MATCH LINE 1966+00

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- WORK SPACE
- TEMPORARY PAVEMENT
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CNTRL.
- DIRECTION OF TRAFFIC
- PCMS TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

EAST 39 90 MILE 153 .6
D10-5A
M02-06

767+20.90'TSB2'
29.00'RT

MATCH LINE 1966+00

768'TSB2'
770'TSB2'
772'TSB2'
STA 769+00'TSB2' TO STA 790+85'TSB2', RT
PIN CONCRETE BARRIER TEMPORARY PRECAST
IH 39 SB
774'TSB2'
IH 39 NB
776'TSB2'
778'TSB2'
780'TSB2'
779+69.30'TSB2'
29.00'RT
IH 39 NB (CLOSED)

W05-52R
18"x54"
(BARRIER MOUNT REQUIRED)

WEST 39 90 MILE 153 .6
D10-5A
M02-02

W024-1-4R
(2 POSTS REQUIRED)

EMERGENCY PARKING 2 HR MAX
R8-54
48"X36"

EAST 39 90 MILE 153 .4
D10-5A
M02-05

TEMPORARY EMERGENCY PULLOUT

WEST 39 90 MILE 153 .4
D10-5A
M02-03

MATCH LINE 1980+30

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 02 OF 10	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL
FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG
PLOT DATE : 10/10/2017 11:07 AM
PLOT BY : SEH
LAYOUT NAME : 02
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY EMERGENCY PULLOUT

NOTE, SEE "TRAFFIC CONTROL - CLOSURE DETAIL, CTH B"

CTH B

EAST 39 90 MILE 153 .2 D10-5A

M03-06

W05-52R 18"x54" (BARRIER MOUNT REQUIRED)

W05-52R 18"x54" (BARRIER MOUNT REQUIRED)

T1 T2 T3 T2 T9

IH 39 SB

IH 39 NB

782'TSB2' 784'TSB2' 786'TSB2' 788'TSB2' 790'TSB2' 792'TSB2' 794'TSB2' 796'TSB2'

PI

6' 12' 12' 12' 16'

MATCH LINE 1980+30

1982 1984 1986 1988 1990 1992 1994

787+47.31'TSB2' 29.00'RT

789+27.06'TSB2' 29.00'RT

790+84.73'TSB2' 27.44'RT

795+53.41'TSB2' 35.26'RT

796+03.10'TSB2' 28.64'RT

MATCH LINE 1995+40

IH 39 NB (CLOSED)

TEMPORARY SHORING REQ'D

STAY IN LANE R4-9 48"x60" (2 POSTS REQUIRED)

M03-01

WEST 39 90 MILE 153 .2 D10-5A

W05-52L 12"X36" (BARRIER MOUNT REQUIRED)

W05-52R 12"X36" (BARRIER MOUNT REQUIRED)

CC

NOTE, SEE "TRAFFIC CONTROL - CLOSURE DETAIL, CTH B"

STA 792+33'TSB2' TO STA 795+53'TSB2', RT
RE-LAP GUARDRAIL REQ'D

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- WORK SPACE
- TEMPORARY PAVEMENT
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CNTRL.
- DIRECTION OF TRAFFIC
- PCMS TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

KEYNOTE LEGEND: PAVEMENT MARKING

- (T1) TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
- (T2) TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
- (T3) TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
- (T9) TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE II (ONE WAY WHITE REFLECTOR, 50 FT SPACING)

W024-1-AL (2 POSTS REQUIRED)

EAST 39 90 MILE 152 .8 D10-5A M03-04

EMERGENCY PARKING 1/4 MILE R8-53 48"X36"

STAY IN LANE R4-9 48"x60" (2 POSTS REQUIRED)

EAST 39 90 MILE 153 .0 D10-5A M03-05

T2 T9 50' (TYP)

798'TSB2' 800'TSB2' 802'TSB2' 804'TSB2' 806'TSB2' 808'TSB2' 810'TSB2'

IH 39 SB

IH 39 NB

MATCH LINE 1995+40

1996 1998 2000 2002 2004 2006 2008 2010

IH 39 NB (CLOSED)

M03-02

WEST 39 90 MILE 153 .0 D10-5A

M03-03

WEST 39 90 MILE 152 .8 D10-5A

MATCH LINE 2010+40

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 03 OF 10	SHEET	E

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG PLOT DATE : 10/9/2017 6:09 PM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007171\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

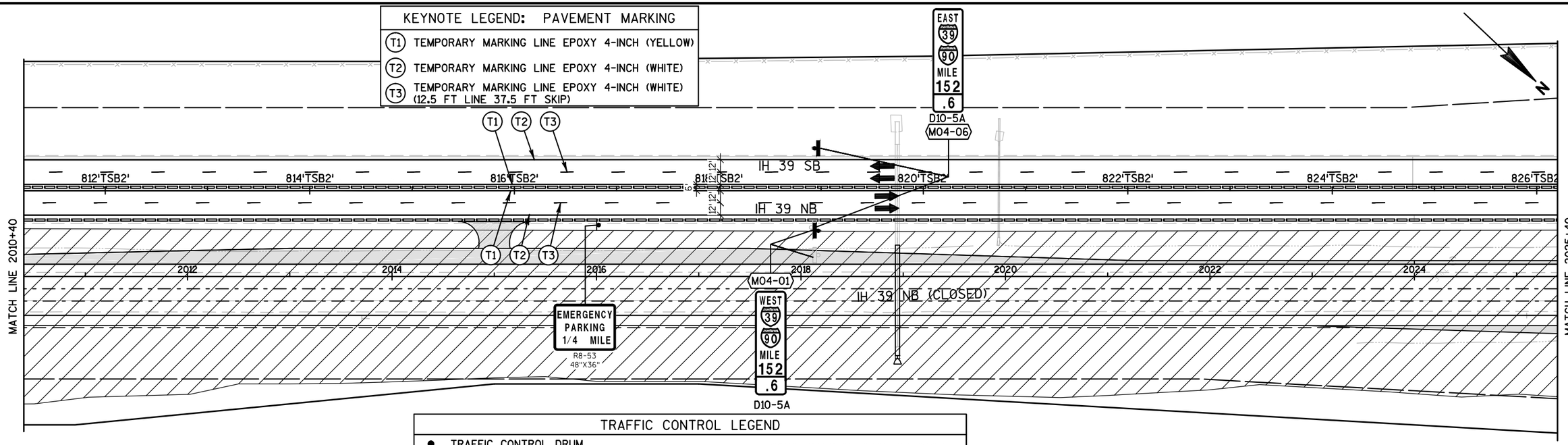
2

KEYNOTE LEGEND: PAVEMENT MARKING

(T1) TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)

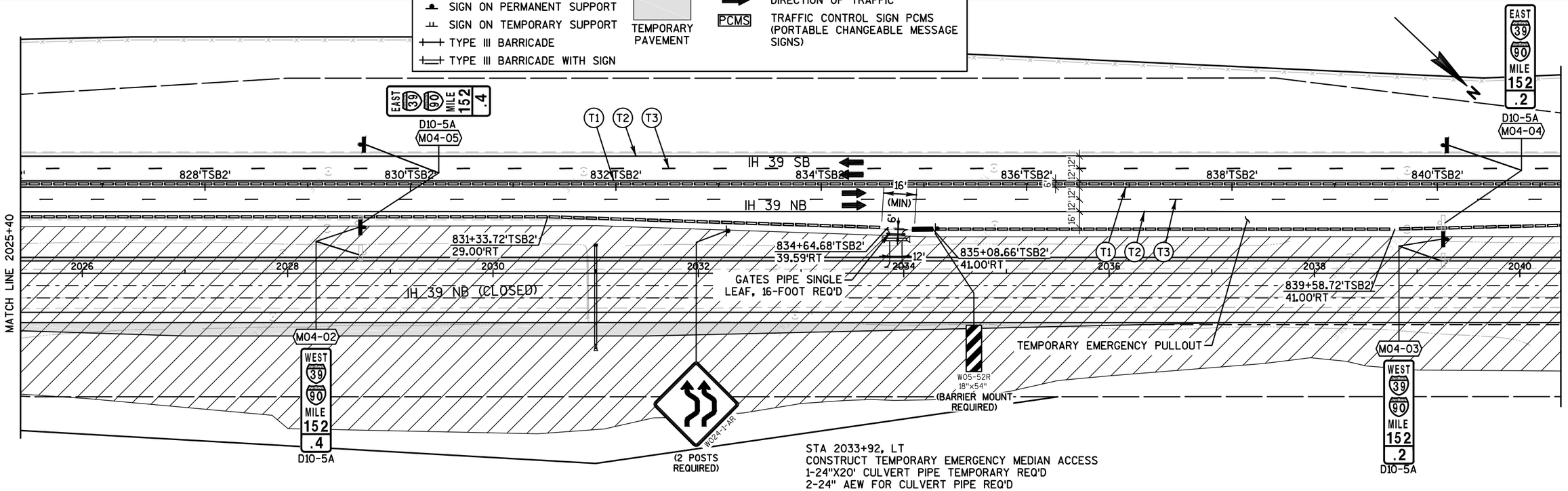
(T2) TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)

(T3) TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)



TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- WORK SPACE
- TEMPORARY PAVEMENT
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CNTRL.
- DIRECTION OF TRAFFIC
- PCMS TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)



STA 2033+92, LT
CONSTRUCT TEMPORARY EMERGENCY MEDIAN ACCESS
1-24"X20' CULVERT PIPE TEMPORARY REQ'D
2-24" AEW FOR CULVERT PIPE REQ'D

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 04 OF 10	SHEET	E

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG | PLOT DATE : 10/9/2017 6:10 PM | PLOT BY : SEH | LAYOUT NAME : 04 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T9	TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE II (ONE WAY WHITE REFLECTOR, 50 FT SPACING)

TRAFFIC CONTROL LEGEND			
●	TRAFFIC CONTROL DRUM		CONC. BARRIER TEMP. PRECAST
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	CC	CRASH CUSHIONS PERMANENT
	FLASHING ARROW BOARD		CRASH CUSHIONS TRAFFIC CNTRL.
	SIGN ON PERMANENT SUPPORT		DIRECTION OF TRAFFIC
	SIGN ON TEMPORARY SUPPORT	PCMS	TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
	TYPE III BARRICADE		
	TYPE III BARRICADE WITH SIGN		
	WORK SPACE		
	TEMPORARY PAVEMENT		

MATCH LINE 2040+40

MATCH LINE 2055+40

MATCH LINE 2055+40

MATCH LINE 2070+40

IH 39 SB

IH 39 NB

IH 39 NB (CLOSED)

SB EMERGENCY ACCESS

CTH W

KOSHKONONG RD

842'TSB2' 844'TSB2' 846'TSB2' 848'TSB2' 850'TSB2' 852'TSB2' 854'TSB2' 856'TSB2'

858'TSB2' 860'TSB2' 862'TSB2' 864'TSB2' 866'TSB2' 868'TSB2' 870'TSB2'

844+83.73'TSB2' 29.00'RT

848+26.09'TSB2' 29.00'RT

848+85.75'TSB2' 28.20'RT

850+05.80'TSB2' 28.60'RT

852+24.49'TSB2' 27.00'RT

859+12.74'TSB2' 29.00'RT

858+68.74'TSB2' 34.40'RT

STA 853+78'TSB2' TO STA 858+69'TSB2', RT
RE-LAP GUARDRAIL REQ'D

EMERGENCY PARKING 2 HR MAX
R8-54
48"X36"

STAY IN LANE
R4-9
48"x60"
(2 POSTS REQUIRED)

W05-52R
18"x54"
(BARRIER MOUNT REQUIRED)

W05-52L
12"X36"
(BARRIER MOUNT REQUIRED)

W05-52R
12"x36"
(BARRIER MOUNT REQUIRED)

EAST 39 90 MILE 152 .0
D10-5A
M05-04

WEST 39 90 MILE 152 .0
D10-5A
M05-01

EAST 39 90 MILE 151 .8
D10-5A
M05-03

WEST 39 90 MILE 151 .8
D10-5A
M05-02

NOTE, SEE "TRAF CNTRL - CLOSURE DETAIL, CTH W, DROTNING RD"

TRANSITION TO TIED-DOWN SYSTEM SEE SDD: CONCRETE BARRIER TEMPORARY PRECAST

TEMPORARY SHORING REQ'D

50' (TYP)

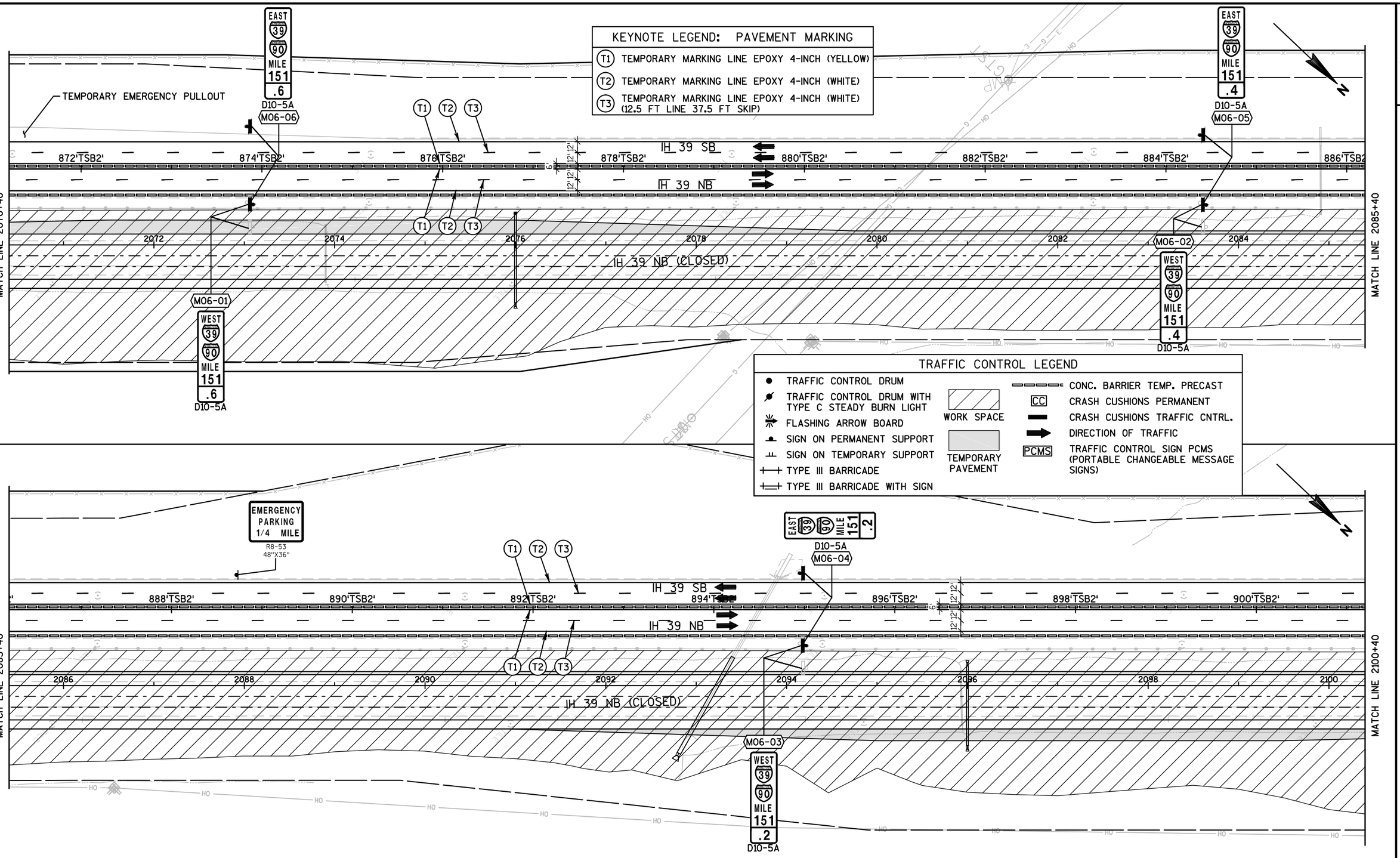
TEMPORARY EMERGENCY PULLOUT

W024-1-ALL
(2 POSTS REQUIRED)

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 05 OF 10	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007111\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG PLOT DATE : 10/9/2017 6:10 PM PLOT BY : SEH LAYOUT NAME : 05 PLOT SCALE : 1.0 IN = 100.0 FT WISDOT/CADDS SHEET 42



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 06 OF 10	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\DV\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007111\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG | PLOT DATE : 10/9/2017 6:10 PM | PLOT BY : SEH | LAYOUT NAME : 06 | PLOT SCALE : 1.0 IN = 100.0 FT | WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PAVEMENT MARKING

- (T1) TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
- (T2) TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
- (T3) TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
- (T9) TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE II (ONE WAY WHITE REFLECTOR, 50 FT SPACING)

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- WORK SPACE
- TEMPORARY PAVEMENT
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CNTRL.
- DIRECTION OF TRAFFIC
- PCMS TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

EAST 39 90 MILE 151 .0 D10-5A M07-06

WEST 39 90 MILE 151 .0 D10-5A M07-01

EAST 39 90 MILE 150 .8 D10-5A M07-05

WEST 39 90 MILE 150 .8 D10-5A M07-02

WEST 39 90 MILE 150 .6 D10-5A M07-03

EAST 39 90 MILE 150 .6 D10-5A M07-04

IH 39 SB

IH 39 NB

IH 39 NB (CLOSED)

902'TSB2' 904'TSB2' 906'TSB2' 908'TSB2' 910'TSB2' 912'TSB2' 914'TSB2' 916'TSB2'

MATCH LINE 2100+40

MATCH LINE 2115+40

MATCH LINE 2130+00

2102 2104 2106 2108 2110 2112 2114

912+18.73'TSB2' 29.00'RT

915+36.04'TSB2' 29.00'RT

W05-52R 18"x54"

GAWK SCREEN REQ'D
STA 910+50'TSB2' TO STA 915+50'TSB2'

TEMPORARY SHORING REQ'D

STAY IN LANE R4-9 48"x60" (2 POSTS REQUIRED)

NOTE, SEE "TRAF CNTRL - CLOSURE DETAIL, CTH W, DROTNING RD"

W024-1AR (2 POSTS REQUIRED)

DROTNING RD

TRANSITION TO TIED-DOWN SYSTEM SEE SDD: CONCRETE BARRIER TEMPORARY PRECAST

NOTE, SEE "TRAF CNTRL - CLOSURE DETAIL, CTH W, DROTNING RD"

W05-52R 18"x54" (BARRIER MOUNT REQUIRED)

918'TSB2' 920'TSB2' 922'TSB2' 924'TSB2' 926'TSB2' 928'TSB2' 930'TSB2'

50' (TYP)

918+35.94'TSB2' 27.00'RT

918+63.23'TSB2' 27.00'RT

916+86.24'TSB2' 28.01'RT

920+56.92'TSB2' 27.00'RT

921+74.57'TSB2' 27.00'RT

923+24.27'TSB2' 27.94'RT

924+74.46'TSB2' 29.00'RT

R=10685.69'

R=11339.71'

2116 2118 2120 2122 2124 2126 2128

TEMPORARY SHORING REQ'D

C-13-3083 STG 1

W05-52L 12"X36" (BARRIER MOUNT REQUIRED)

W05-52R 12"x36" (BARRIER MOUNT REQUIRED)

GAWK SCREEN REQ'D
STA 922+00'TSB' TO STA 927+00'TSB', RT

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 07 OF 10	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG PLOT DATE : 11/8/2017 6:45 AM PLOT BY : SEH LAYOUT NAME : 07 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

EMERGENCY PARKING 2 HR MAX
R8-54
48"X36"

50' (TYP)

TEMPORARY EMERGENCY PULLOUT

MATCH LINE 2130+00

932'TSB2'

934'TSB2'

936'TSB2'

12' 12' 16'

12' 12' 24'

IH 39 SB

IH 39 NB

938'TSB2'

940'TSB2'

942'TSB2'

944'TSB2'

EAST 39 90 MILE 150 .4
D10-5A
M08-06

T1 T2 T3

W024-1-AL
(2 POSTS REQUIRED)

N

2132 2134 2136 2138 2140 2142 2144

IH 39 NB (CLOSED)

M08-01

WEST 39 90 MILE 150 .4
D10-5A

MATCH LINE 2145+00

HO

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- WORK SPACE
- TEMPORARY PAVEMENT
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CNTRL.
- DIRECTION OF TRAFFIC
- PCMS TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

CTH BN

EMERGENCY PARKING 1/4 MILE
R8-53
48"X36"

KEYNOTE LEGEND: PAVEMENT MARKING

- (T1) TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
- (T2) TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
- (T3) TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

EAST 39 90 MILE 150 .0
D10-5A
M08-04

D10-5A
M08-05
EAST 39 90 MILE 150 .2

946'TSB2' 948'TSB2' 950'TSB2' 952'TSB2' 954'TSB2' 956'TSB2' 958'TSB2' 960'TSB2'

IH 39 SB

IH 39 NB

MATCH LINE 2145+00

2146 2148 2150 2152 2154 2156 2158

958+68.64'TSB2'
29.00'RT

IH 39 NB (CLOSED)

EMERGENCY PARKING 1/4 MILE
R8-53
48"X36"

M08-02

WEST 39 90 MILE 150 .2
D10-5A

M08-03

WEST 39 90 MILE 150 .0
D10-5A

MATCH LINE 2160+00

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 08 OF 10	SHEET	E

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG
PLOT DATE : 10/9/2017 6:10 PM
PLOT BY : SEH
LAYOUT NAME : 08
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007171\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

MATCH LINE 2160+00

961+99.67'TSB2'
39.59'RT

GATES PIPE SINGLE LEAF, 16-FOOT REQ'D

16' (MIN)

12'

962'TSB2'

962+43.64'TSB2'
41.00'RT

964'TSB2'

966'TSB2'

968'TSB2'

970'TSB2'

972'TSB2'

974'TSB2'

IH 39 NB (CLOSED)

IH 39 SB

IH 39 NB

TEMPORARY CONCRETE BARRIER GATE REQ'D

TEMPORARY SHORING REQ'D

966+93.71'TSB2'
41.00'RT

TEMPORARY EMERGENCY PULLOUT

972+18.69'TSB2'
29.00'RT

CC

W05-52R
18"x54"
(BARRIER MOUNT REQUIRED)

EAST 39 90 MILE 149 .8
D10-5A
M09-04

WEST 39 90 MILE 149 .8
D10-5A
M09-01

CHURCH ST

N

MATCH LINE 2175+00

EMERGENCY PARKING 2 HR MAX
R8-54
48"X36"

STA 2161+81, LT
CONSTRUCT TEMPORARY
1-24"X20' CULVERT PIPE
2-24" AEW FOR CULVER

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- WORK SPACE
- TEMPORARY PAVEMENT
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CNTRL.
- DIRECTION OF TRAFFIC
- PCMS TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

MATCH LINE 2175+00

EMERGENCY PARKING 2 HR MAX
R8-54
48"X36"

D10-5A
M09-03
EAST 39 90 MILE 149 .6

50' (TYP)

TEMPORARY EMERGENCY PULLOUT

976'TSB2'

978'TSB2'

980'TSB2'

982'TSB2'

984'TSB2'

986'TSB2'

988'TSB2'

990'TSB2'

IH 39 SB

IH 39 NB

IH 39 NB (CLOSED)

TEMPORARY SHORING REQ'D

C-13-3084 STG 2

M09-02
WEST 39 90 MILE 149 .6
D10-5A

CHURCH ST

GAWK SCREEN REQ'D
STA 988+00'TSB2' TO STA 992+00'TSB2', RT

MATCH LINE 2190+00

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 09 OF 10	SHEET	E

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG
PLOT DATE : 10/9/2017 6:11 PM
PLOT BY : SEH
LAYOUT NAME : 09
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007111\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- WORK SPACE
- TEMPORARY PAVEMENT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CNTRL.
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

N

EAST 39 90 MILE 149 .4
D10-5A
M10-02

SEE PROJECT 1007-11-76

T1 T2 T3

PC: 6 12' 12' 12' 12'

992'TSB2'
994'TSB2'
996'TSB2'
998'TSB2'
1000'TSB2'
1002'TSB2'
1004'TSB2'

IH 39 SB
IH 39 NB

MATCH LINE 2190+00

2190 2192 2194 2196 2198 2200 2202 2204

IH 39 NB (CLOSED)

END TRAFFIC CONTROL PROJECT 1007-11-71
BEGIN TRAFFIC CONTROL PROJECT 1007-11-76
STA 995+19'TSB2'

END PROJECT 1007-11-71
BEGIN PROJECT 1007-11-76
STA 2195+00

HO

M10-01
WEST 39 90 MILE 149 .4
D10-5A

KEYNOTE LEGEND: PAVEMENT MARKING

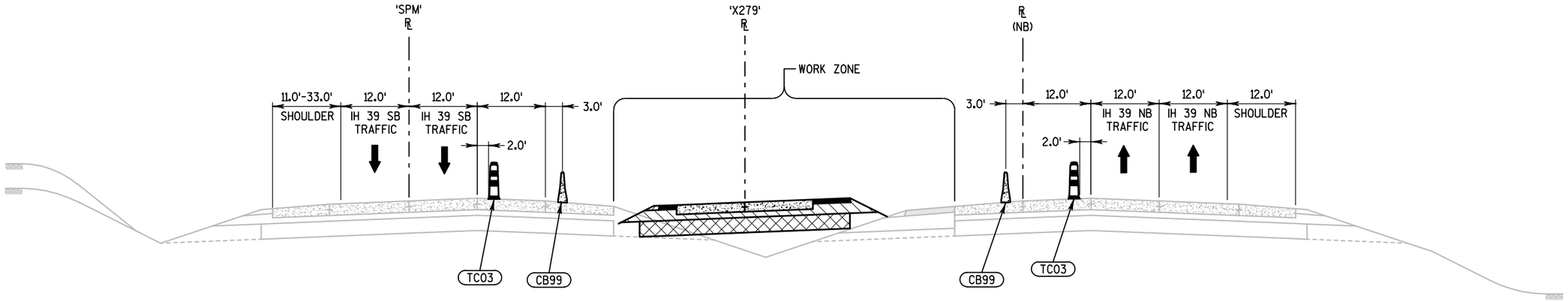
T1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 10 OF 10	SHEET	E

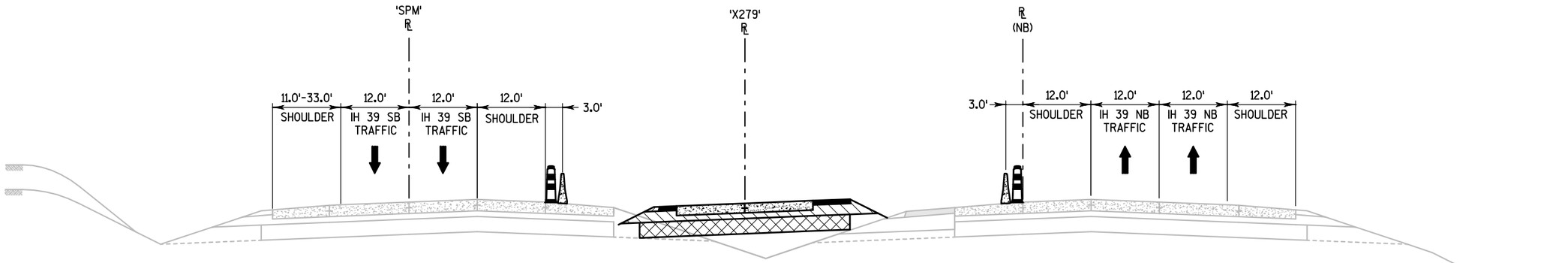
FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG
PLOT DATE : 10/9/2017 6:11 PM
PLOT BY : SEH
LAYOUT NAME : 10
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007111\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 2 - NIGHTTIME HOURS



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 2 - DAYTIME HOURS

KEYNOTE LEGEND: TYPICAL SECTIONS

CB99	CONCRETE BARRIER TEMPORARY PRECAST
TC03	TYPICAL DRUM SPACING 100'

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - TYPICAL SECTIONS, STAGE 2	SHEET 185	E

FILE NAME : 025301_TC_TS (TC TYP SEC SOUTH).DWG | PLOT DATE : 10/9/2017 6:11 PM | PLOT BY : SEH | LAYOUT NAME : 05 | PLOT SCALE : 1 IN:20 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- WORK SPACE
- TEMPORARY PAVEMENT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CNTRL.
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

STAGE 2 CONSTRUCTION SUMMARY

CONSTRUCTION OPERATIONS CONCURRENT WITH PROJECTS 1007-11-76 AND 1007-11-81.

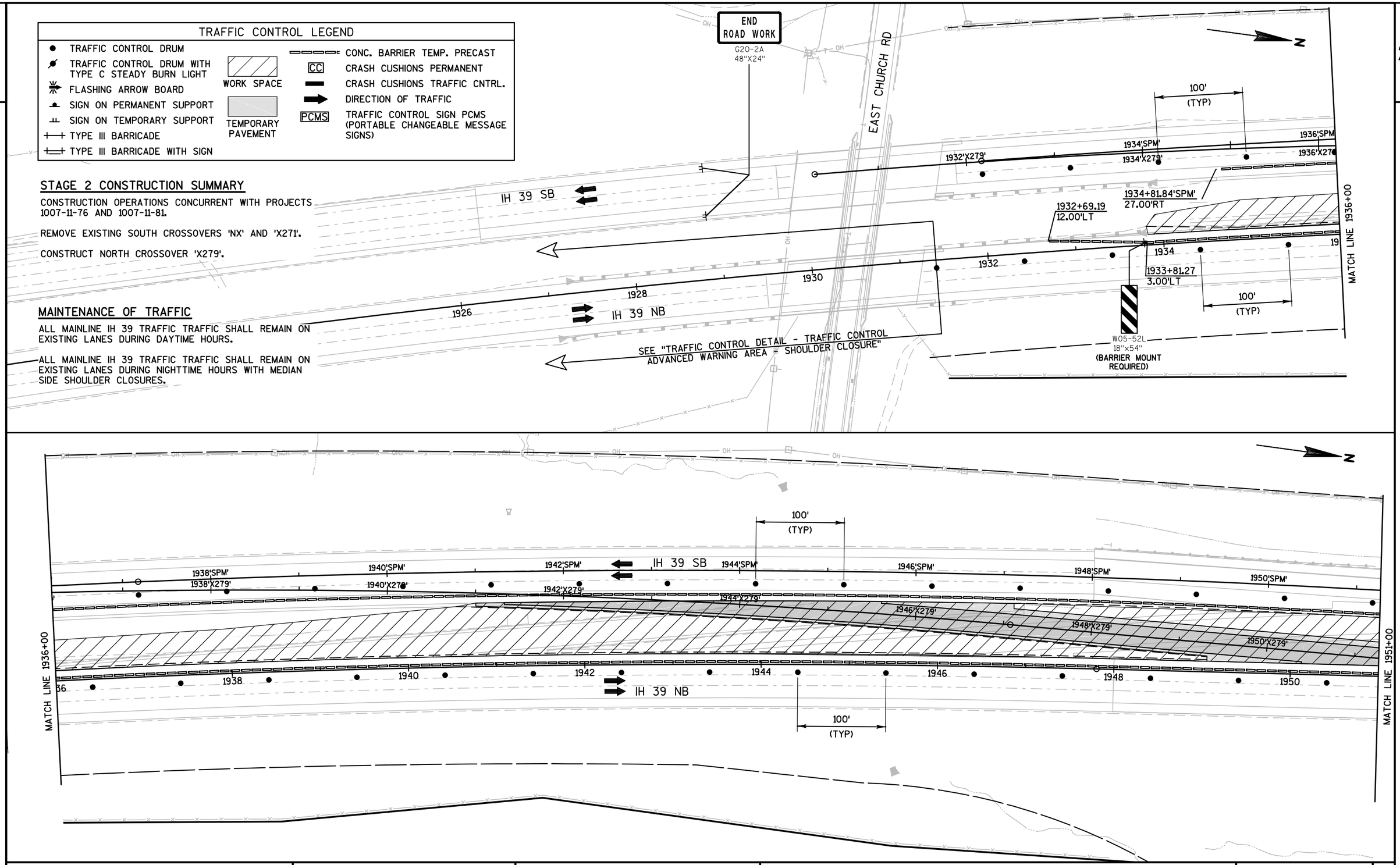
REMOVE EXISTING SOUTH CROSSOVERS 'NX' AND 'X271'.

CONSTRUCT NORTH CROSSOVER 'X279'.

MAINTENANCE OF TRAFFIC

ALL MAINLINE IH 39 TRAFFIC TRAFFIC SHALL REMAIN ON EXISTING LANES DURING DAYTIME HOURS.

ALL MAINLINE IH 39 TRAFFIC TRAFFIC SHALL REMAIN ON EXISTING LANES DURING NIGHTTIME HOURS WITH MEDIAN SIDE SHOULDER CLOSURES.

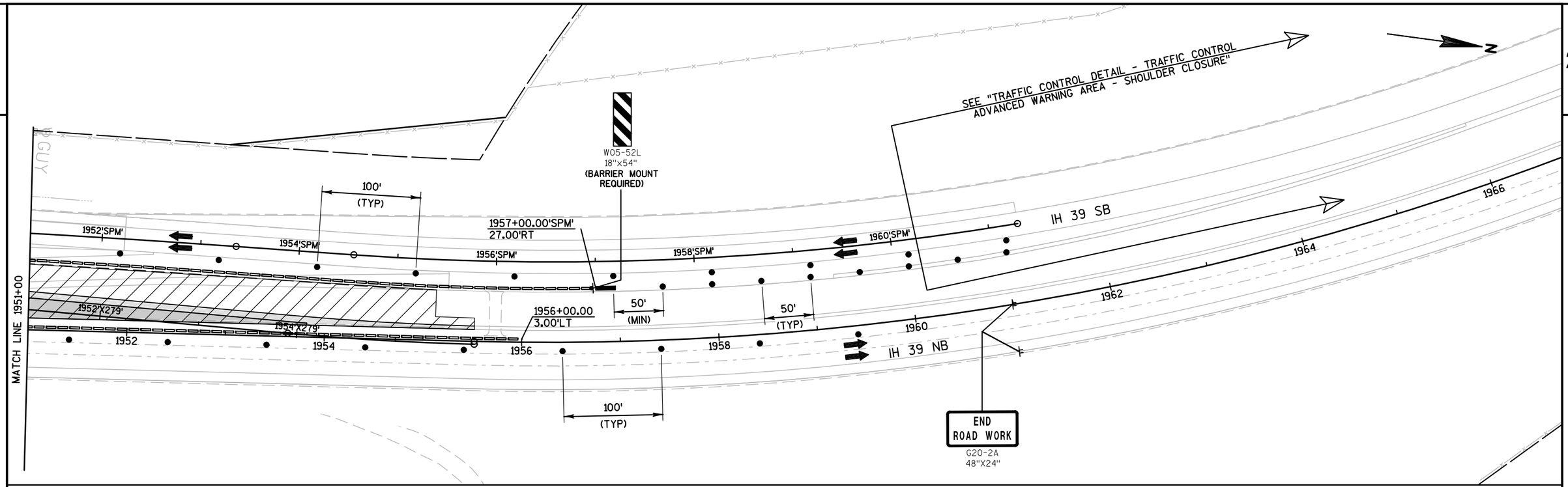


PROJECT NO:1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 01 OF 2	SHEET 186	E

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 02).DWG PLOT DATE : 10/9/2017 6:12 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL



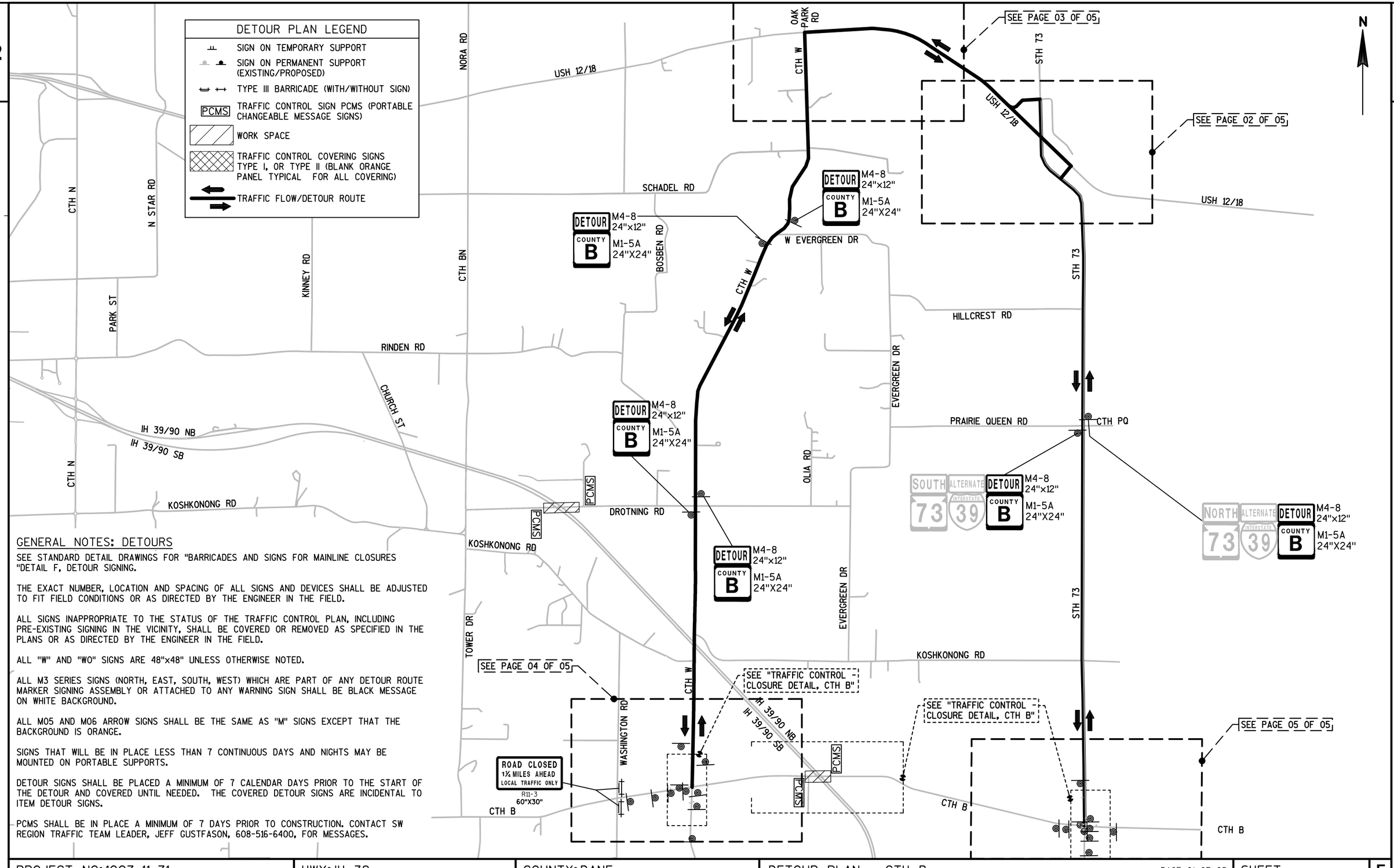
TRAFFIC CONTROL LEGEND			
● TRAFFIC CONTROL DRUM	WORK SPACE	▭▭▭	CONC. BARRIER TEMP. PRECAST
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		CC	CRASH CUSHIONS PERMANENT
FLASHING ARROW BOARD		▬	CRASH CUSHIONS TRAFFIC CNTRL.
SIGN ON PERMANENT SUPPORT	TEMPORARY PAVEMENT	➡	DIRECTION OF TRAFFIC
SIGN ON TEMPORARY SUPPORT		PCMS	TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
TYPE III BARRICADE			
TYPE III BARRICADE WITH SIGN			

PROJECT NO:1007-11-71	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 02 OF 2	SHEET 187	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

DETOUR PLAN LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT (EXISTING/PROPOSED)
- TYPE III BARRICADE (WITH/WITHOUT SIGN)
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK SPACE
- TRAFFIC CONTROL COVERING SIGNS TYPE I, OR TYPE II (BLANK ORANGE PANEL TYPICAL FOR ALL COVERING)
- TRAFFIC FLOW/DETOUR ROUTE



GENERAL NOTES: DETOURS

SEE STANDARD DETAIL DRAWINGS FOR "BARRICADES AND SIGNS FOR MAINLINE CLOSURES "DETAIL F, DETOUR SIGNING.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE TRAFFIC CONTROL PLAN, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

ALL "W" AND "WO" SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

ALL M3 SERIES SIGNS (NORTH, EAST, SOUTH, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK MESSAGE ON WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

DETOUR SIGNS SHALL BE PLACED A MINIMUM OF 7 CALENDAR DAYS PRIOR TO THE START OF THE DETOUR AND COVERED UNTIL NEEDED. THE COVERED DETOUR SIGNS ARE INCIDENTAL TO ITEM DETOUR SIGNS.

PCMS SHALL BE IN PLACE A MINIMUM OF 7 DAYS PRIOR TO CONSTRUCTION. CONTACT SW REGION TRAFFIC TEAM LEADER, JEFF GUSTFASON, 608-516-6400, FOR MESSAGES.

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	DETOUR PLAN - CTH B	PAGE 01 OF 05	SHEET E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 027002_DT (CTH B DETOUR PLAN).DWG PLOT DATE : 10/9/2017 6:12 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1 IN:3000 FT

WISDOT/CADDS SHEET 42

2

N

USH 12/18

STH 73

SHAUL LN

DETOUR AHEAD W20-2-A

M4-8 24"x12"
M3-4 24"x12"
M1-5A 24"X24"
M06-1 21"X21"
M05-1L 21"X21"
M05-1R 21"X21"

Madison
Deerfield

DETOUR PLAN LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT (EXISTING/PROPOSED)
- TYPE III BARRICADE (WITH/WITHOUT SIGN)
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK SPACE
- TRAFFIC CONTROL COVERING SIGNS TYPE I, OR TYPE II (BLANK ORANGE PANEL TYPICAL FOR ALL COVERING)
- TRAFFIC FLOW/DETOUR ROUTE

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	DETOUR PLAN - CTH B	PAGE 02 OF 05	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 027002_DT (CTH B DETOUR PLAN).DWG PLOT DATE : 10/9/2017 6:12 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

N

DETOUR PLAN LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT (EXISTING/PROPOSED)
- TYPE III BARRICADE (WITH/WITHOUT SIGN)
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK SPACE
- TRAFFIC CONTROL COVERING SIGNS TYPE I, OR TYPE II (BLANK ORANGE PANEL TYPICAL FOR ALL COVERING)
- TRAFFIC FLOW/DETOUR ROUTE

OAK PARK RD

USH 12/18

CTH W

MILO WAY

500'

DETOUR AHEAD W20-2-A

COUNTY B M1-5A 24"X24"

DETOUR M4-8 24"x12"
EAST M3-2 24"X12"
COUNTY B M1-5A 24"X24"
M06-1 21"X21"

COUNTY W
COUNTY B M1-5A 24"X24"
M06-1 21"X21"

JCT COUNTY W

DETOUR M4-8 24"x12"
EAST M3-2 24"X12"
COUNTY B M1-5A 24"X24"
M06-1 21"X21"

DETOUR M4-8 24"x12"
COUNTY B M1-5A 24"X24"

12 18 DETOUR M4-8 24"x12"
COUNTY B M1-5A 24"X24"
M06-1 21"X21"

EAST EAST 12 18 DETOUR M4-8 24"x12"
EAST M3-2 24"X12"
COUNTY B M1-5A 24"X24"

DETOUR M4-8 24"x12"
COUNTY B M1-5A 24"X24"
M05-1L 21"X21"

JCT JCT 12 18 DETOUR M4-8 24"x12"
COUNTY B M1-5A 24"X24"
M05-1R 21"X21"

DETOUR M4-8 24"x12"
COUNTY B M1-5A 24"X24"

PROJECT NO:1007-11-71	HWY: IH 39	COUNTY: DANE	DETOUR PLAN - CTH B	PAGE 03 OF 05	SHEET 190	E

FILE NAME : 027002_DT (CTH B DETOUR PLAN).DWG | PLOT DATE : 10/9/2017 6:12 PM | PLOT BY : SEH | LAYOUT NAME : 03 | PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

DETOUR PLAN LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT (EXISTING/PROPOSED)
- TYPE III BARRICADE (WITH/WITHOUT SIGN)
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK SPACE
- TRAFFIC CONTROL COVERING SIGNS TYPE I, OR TYPE II (BLANK ORANGE PANEL TYPICAL FOR ALL COVERING)
- TRAFFIC FLOW/DETOUR ROUTE

KOSHKONONG RD

WASHINGTON RD

CTH W

CTH B

IH 39/90 NB

IH 39/90 SB

N

EAST / COUNTY B — M3-2 24"X12" / M1-5A 24"X24"

ROAD CLOSED AHEAD — W20-3-A

JCT / COUNTY B

500'

DETOUR — M4-8 24"x12"

COUNTY W / COUNTY B — M1-5A 24"X24"

END DETOUR — M4-8A 24"X18"

COUNTY B

M06-1 21"X21"

COVER EXISTING ARROW

COUNTY W

DETOUR AHEAD — W20-2-A

COUNTY B

COVER EXISTING SIGN

ROAD CLOSED 1¼ MILES AHEAD LOCAL TRAFFIC ONLY — R11-3 60"X30"

1000'

500'

ROAD CLOSED AHEAD — W20-3-A

JCT / COUNTY W / COUNTY B — DETOUR M4-8 24"x12" / M1-5A 24"X24" / M05-1L 21"X21'

COUNTY W / COUNTY B — DETOUR M4-8 24"x12" / M1-5A 24"X24" / M06-1 21"X21"

COUNTY W

CTH W 500'

1000'

DETOUR M4-8 24"x12" / EAST M3-2 24"X12" / JCT / COUNTY B / COUNTY B M1-5A 24"X24" / M06-1 21"X21"

DETOUR M4-8 24"x12" / WEST M3-4 24"X12" / EAST M3-2 24"X12" / COUNTY B / COUNTY B M1-5A 24"X24" / M06-1 21"X21" / M06-1 21"X21" — COVER EXISTING ARROW

COUNTY B M1-5A 24"X24" — DETOUR AHEAD — W20-2-A

COUNTY B M1-5A 24"X24" — ROAD CLOSED AHEAD — W20-3-A

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	DETOUR PLAN - CTH B	PAGE 04 OF 05	SHEET	E

FILE NAME : 027002_DT (CTH B DETOUR PLAN).DWG | PLOT DATE : 10/9/2017 6:12 PM | PLOT BY : SEH | LAYOUT NAME : 04 | PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

DETOUR PLAN LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT (EXISTING/PROPOSED)
- TYPE III BARRICADE (WITH/WITHOUT SIGN)
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK SPACE
- TRAFFIC CONTROL COVERING SIGNS TYPE I, OR TYPE II (BLANK ORANGE PANEL TYPICAL FOR ALL COVERING)
- TRAFFIC FLOW/DETOUR ROUTE

N

WEST / COUNTY B — M3-4 24"X12" / M1-5A 24"X24"
ROAD CLOSED AHEAD W20-3-A

JCT COUNTY B

STH 73

500'

END DETOUR / COUNTY B — M4-6 24"X12" / M4-8 24"x12"

M06-1 21"X21"
COVER EXISTING ARROW

COVER EXISTING SIGN

CTH B

NORTH ALTERNATE 73 94 INTERSTATE — DETOUR / COUNTY B — M4-8 24"x12" / M1-5A 24"X24"

M4-8 24"x12" — DETOUR / COUNTY B 73 — M1-5A 24"X24"
M06-1 21"X21"

M4-8 24"x12" — DETOUR JCT / COUNTY B 73 — M1-5A 24"X24"
M05-1R 21"X21"

DETOUR AHEAD W20-2-A

ROAD CLOSED AHEAD W20-3-A

500'

1000'

CTH B

COUNTY B

JCT 73

73

SOUTH ALTERNATE 73 94 INTERSTATE

M3-2 24"X12" — EAST — DETOUR WEST M4-8 24"x12" M3-4 24"X12" — COUNTY B — COUNTY B M1-5A 24"X24"
M06-1 21"X21" — M06-1 21"X21"
COVER EXISTING ARROW

DETOUR WEST — M4-8 24"x12" M3-4 24"X12" — JCT COUNTY B — COUNTY B M1-5A 24"X24"
M06-1 21"X21"

500'

1000'

STH 73

COUNTY B M1-5A 24"X24"
DETOUR AHEAD W20-2-A

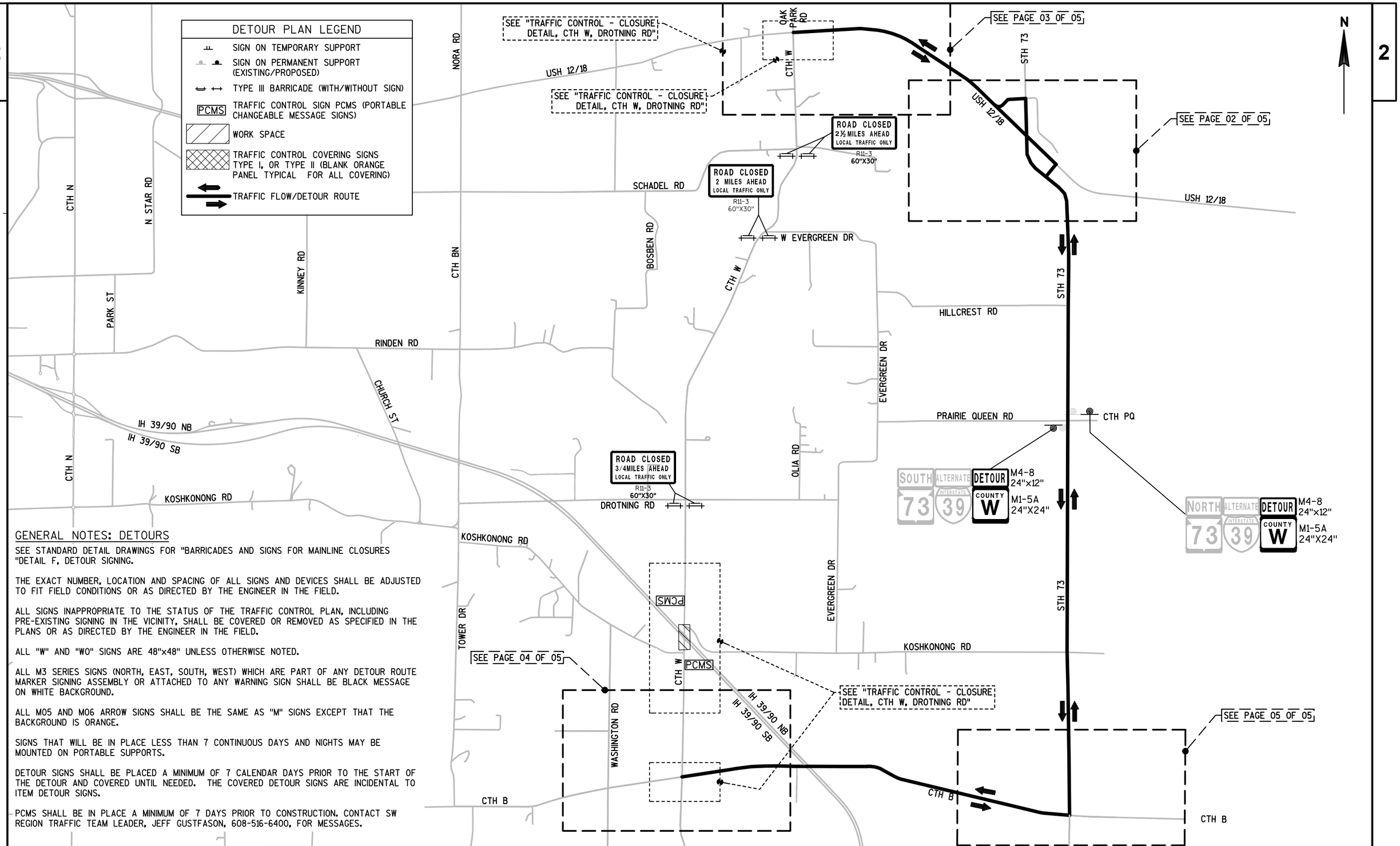
WEST / COUNTY B — M3-4 24"X12" / M1-5A 24"X24"
ROAD CLOSED AHEAD W20-3-A

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	DETOUR PLAN - CTH B	PAGE 05 OF 05	SHEET	E

FILE NAME : 027002_DT (CTH B DETOUR PLAN).DWG | PLOT DATE : 10/9/2017 6:12 PM | PLOT BY : SEH | LAYOUT NAME : 05 | PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL



GENERAL NOTES: DETOURS

SEE STANDARD DETAIL DRAWINGS FOR "BARRICADES AND SIGNS FOR MAINLINE CLOSURES "DETAIL F, DETOUR SIGNING.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE TRAFFIC CONTROL PLAN, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

ALL "W" AND "WO" SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

ALL M3 SERIES SIGNS (NORTH, EAST, SOUTH, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK MESSAGE ON WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

DETOUR SIGNS SHALL BE PLACED A MINIMUM OF 7 CALENDAR DAYS PRIOR TO THE START OF THE DETOUR AND COVERED UNTIL NEEDED. THE COVERED DETOUR SIGNS ARE INCIDENTAL TO ITEM DETOUR SIGNS.

PCMS SHALL BE IN PLACE A MINIMUM OF 7 DAYS PRIOR TO CONSTRUCTION. CONTACT SW REGION TRAFFIC TEAM LEADER, JEFF GUSTFASON, 608-516-6400, FOR MESSAGES.

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	DETOUR PLAN - CTH W	PAGE 01 OF 05	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL SEC 02

FILE NAME : 027001_DT (CTH W DETOUR PLAN).DWG PLOT DATE : 10/9/2017 6:13 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1 IN:3000 FT

WISDOT/CADDS SHEET 42

2

N

USH 12/18

STH 73

SHAUL LN

500'

USH 12/18

STH 73

M4-8 24"x12" DETOUR
M1-5A 24"X24" COUNTY W
M06-1 21"X21"
M05-1L 21"X21"
M05-1R 21"X21"
Madison
Deerfield
DETOUR AHEAD W20-2-A

DETOUR PLAN LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT (EXISTING/PROPOSED)
- TYPE III BARRICADE (WITH/WITHOUT SIGN)
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK SPACE
- TRAFFIC CONTROL COVERING SIGNS TYPE I, OR TYPE II (BLANK ORANGE PANEL TYPICAL FOR ALL COVERING)
- TRAFFIC FLOW/DETOUR ROUTE

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	DETOUR PLAN - CTH W	PAGE 02 OF 05	SHEET	E

FILE NAME : 027001_DT (CTH W DETOUR PLAN).DWG | PLOT DATE : 10/9/2017 6:13 PM | PLOT BY : SEH | LAYOUT NAME : 02 | PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

N

DETOUR PLAN LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT (EXISTING/PROPOSED)
- TYPE III BARRICADE (WITH/WITHOUT SIGN)
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK SPACE
- TRAFFIC CONTROL COVERING SIGNS TYPE I, OR TYPE II (BLANK ORANGE PANEL TYPICAL FOR ALL COVERING)
- TRAFFIC FLOW/DETOUR ROUTE

OAK PARK RD

USH 12/18

CTH W

MILO WAY

COUNTY W M1-5A 24"X24" DETOUR AHEAD W20-2-A — 500'

DETOUR M4-8 24"x12" / COUNTY W M1-5A 24"X24" / M06-1 21"X21" — 500'

END DETOUR M4-8A 24"X18" / COUNTY W — COVER EXISTING ARROW

COUNTY W M1-5A 24"X24" ROAD CLOSED AHEAD W20-3-A — 500'

COUNTY W M1-5A 24"X24" DETOUR AHEAD W20-2-A — 1000' — 500'

ROAD CLOSED 4 MILES AHEAD LOCAL TRAFFIC ONLY R11-3 60"X30"

DETOUR M4-8 24"x12" / SOUTH M3-3 24"X12" / COUNTY W M1-5A 24"X24" / M06-1 21"X21"

DETOUR M4-8 24"x12" / SOUTH M3-3 24"X12" / COUNTY W M06-1 21"X21" — COVER EXISTING ARROW

COUNTY W — COVER EXISTING SIGN

EAST EAST 12 18 DETOUR M4-8 24"x12" / COUNTY W M1-5A 24"X24"

12 18 DETOUR M4-8 24"x12" / COUNTY W M1-5A 24"X24" / M06-1 21"X21"

JCT COUNTY W

JCT JCT 12 18

COUNTY W M1-5A 24"X24" ROAD CLOSED AHEAD W20-3-A

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	DETOUR PLAN - CTH W	PAGE 03 OF 05	SHEET 195	E

FILE NAME : 027001_DT (CTH W DETOUR PLAN).DWG | PLOT DATE : 10/9/2017 6:13 PM | PLOT BY : SEH | LAYOUT NAME : 03 | PLOT SCALE : 1 IN:500 FT

DETOUR PLAN LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT (EXISTING/PROPOSED)
- TYPE III BARRICADE (WITH/WITHOUT SIGN)
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK SPACE
- TRAFFIC CONTROL COVERING SIGNS TYPE I, OR TYPE II (BLANK ORANGE PANEL TYPICAL FOR ALL COVERING)
- TRAFFIC FLOW/DETOUR ROUTE

N

KOSHKONONG RD

WASHINGTON RD

CTH W

IH 39/90 NB

IH 39/90 SB

CTH B

COUNTY W M1-5A 24"X24"
ROAD CLOSED AHEAD W20-3-A

COUNTY W M1-5A 24"X24"
DETOUR AHEAD W20-2-A

COUNTY B

JCT COUNTY B

COVER EXISTING SIGN

END DETOUR M4-8A 24"X18"
COUNTY W
M06-1 21"X21"
COVER EXISTING ARROW

DETOUR M4-8 24"x12"
COUNTY B
COUNTY W M1-5A 24"X24"

500'
1000'

JCT COUNTY W

ROAD CLOSED ¾ MILES AHEAD LOCAL TRAFFIC ONLY
R11-3 60"X30"

DETOUR M4-8 24"x12"
COUNTY B
COUNTY W M1-5A 24"X24"
M06-1 21"X21"

DETOUR M4-8 24"x12"
M3-3 24"X12"
SOUTH NORTH M3-1 36"x18"
COUNTY W M1-5A 24"X24"
M06-1 21"X21"
COVER EXISTING ARROW

COUNTY W M1-5A 24"X24"
ROAD CLOSED AHEAD W20-3-A

DETOUR AHEAD W20-2-A

JCT DETOUR M4-8 24"x12"
COUNTY B
COUNTY W M1-5A 24"X24"
M05-1R 21"X21"

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	DETOUR PLAN - CTH W	PAGE 04 OF 05	SHEET	E

FILE NAME : 027001_DT (CTH W DETOUR PLAN).DWG | PLOT DATE : 10/9/2017 6:13 PM | PLOT BY : SEH | LAYOUT NAME : 04 | PLOT SCALE : 1 IN:500 FT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

DETOUR PLAN LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT (EXISTING/PROPOSED)
- TYPE III BARRICADE (WITH/WITHOUT SIGN)
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK SPACE
- TRAFFIC CONTROL COVERING SIGNS TYPE I, OR TYPE II (BLANK ORANGE PANEL TYPICAL FOR ALL COVERING)
- TRAFFIC FLOW/DETOUR ROUTE

N

CTH B

STH 73

M4-8 24"x12" DETOUR JCT COUNTY W COUNTY B
M1-5A 24"X24"
M05-1R 21"X21"

M4-8 24"x12" DETOUR COUNTY W COUNTY B
M1-5A 24"X24"
M06-1 21"X21"

M4-8 24"x12" DETOUR COUNTY W COUNTY B
M1-5A 24"X24"

NORTH ALTERNATE INTERSTATE 73 94
M4-8 24"x12" DETOUR COUNTY W
M1-5A 24"X24"

M4-8 24"x12" DETOUR NORTH
M3-1 24"X12"
M1-5A 24"X24" COUNTY W 73
M06-1 21"X21"

M4-8 24"x12" DETOUR NORTH
M3-1 24"X12"
JCT 73 COUNTY W
M1-5A 24"X24"
M05-1R 21"X21"

COUNTY W M1-5A 24"X24"
DETOUR AHEAD W20-2-A

500'

M4-8 24"x12" DETOUR JCT 73 COUNTY W
M1-5A 24"X24"
M05-1L 21"X21'

M4-8 24"x12" DETOUR 73 COUNTY W
M1-5A 24"X24"
M06-1 21"X21'

SOUTH ALTERNATE INTERSTATE 73 94

500'

1000'

STH 73

COUNTY W M1-5A 24"X24"
DETOUR AHEAD W20-2-A

COUNTY W M1-5A 24"X24"
ROAD CLOSED AHEAD W20-3-A

M4-8 24"x12" DETOUR NORTH
M3-1 24"X12"
COUNTY B COUNTY W
M1-5A 24"X24"
M06-1 21"X21"

M4-8 24"x12" DETOUR JCT NORTH
M3-1 24"X12"
COUNTY B COUNTY W
M1-5A 24"X24"
M06-1 21"X21"

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	DETOUR PLAN - CTH W	PAGE 05 OF 05	SHEET	E

FILE NAME : 027001_DT (CTH W DETOUR PLAN).DWG | PLOT DATE : 10/9/2017 6:13 PM | PLOT BY : SEH | LAYOUT NAME : 05 | PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

	C1	C2
PI STA =	1924+79.40	1965+27.98
Y =	437,779.0391	441,837.1950
X =	898,000.9060	897,555.1816
Δ =	16°55'06"	37°12'12"
D =	0°21'54"	1°58'33"
T =	2334.92'	976.05'
L =	4,635.87'	1,883.02'
R =	15,700.00'	2,900.00'
PC STA =	1901+44.48	1955+51.93
PT STA =	1947+80.35	1974+34.96

	C51	C52	C71	C72
PI STA =	745+80.24'TSB2'	766+41.15'TSB2'	1938+69.71'X279'	1954+85.39'X279'
Y =	439,752.0253	441,802.4336	439,154.7015	440,773.2454
X =	897,681.4799	897,472.3887	897,746.6853	897,675.0577
Δ =	3°20'51"	37°38'55"	10°11'14"	3°44'03"
D =	0°21'46"	2°01'01"	0°36'23"	1°58'25"
T =	461.65'	968.42'	842.34'	94.63'
L =	923.05'	1,866.65'	1,680.23'	189.19'
R =	15,799.00'	2,840.79'	9,450.00'	2,903.00'
PC STA =	741+18.72'TSB2'	756+72.72'TSB2'	1930+27.37'X279'	1953+90.77'X279'
PT STA =	750+41.76'TSB2'	775+39.38'TSB2'	1947+07.60'X279'	1955+79.96'X279'

N

STA 1930+12.02, 108.00'LT
STA 1930+27.37'X279' POT:
Y=438,333.0413
X=897,932.1750

STA 1936+34.26'TSB'
(1007-11-75)
STA 1936+77.73'X279'

STA 1939+63.44'TSB'
(1007-11-75)

EQUATION

STA 1939+85.10, 99.00'LT
STA 741+18.72'TSB2' POT:
Y=439,296.2707
X=897,755.0520

BP:PC

EP(1007-11-75)
BP:PC:(1007-11-75)

SEE INSET THIS SHEET

℄ 'TSB' PROJECT 1007-11-75

℄ 'NB' PROJECT 1007-11-75
= ℄ PROJECT 1007-11-71

IH 39 SB

IH 39 NB

℄ 'TSB2'

BEGIN PROJECT 1007-11-71
STA 1948+00.00
Y=440,119.5419
X=897,743.8387

STA 1954+19.99
STA 1954+47.97'X279'

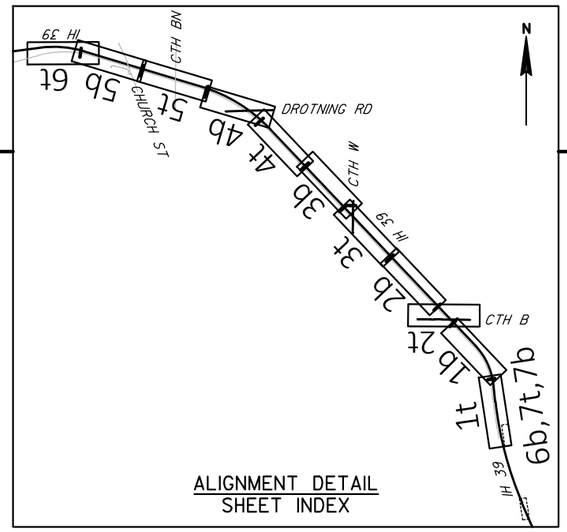
STA 1955+51.93, 3.00'RT
STA 1955+79.96'X279' POT:
Y=440,867.3092
X=897,664.7263

MATCH LINE 1957+85

℄ 'TSB' PROJECT
1007-11-75

N23°11'10"W

STA 1898+00.00 POT:
Y=435,316.0506
X=899,055.8375



REFERNCE LINE LABEL/MODEL NAME INDEX

'LABEL'	MODEL NAME	DESCRIPTION
'NB'	IH 39 NB PROPOSED RL	PRIMARY PROJECT ALIGNMENT PROJECT 1007-11-75
'TSB'	1175 TSB ALIGNMENT	TRAFFIC CONTROL PROJECT 1007-11-75
'NX'	1175 NORTH CROSSOVER	EXISTING 2 LANE CROSSOVER PROJECT 1007-11-75
	IH 39 NB PROPOSED RL	PRIMARY PROJECT ALIGNMENT
'TSB2'	IH 39 SB 1176 - TRAFFIC CONTROL	TRAFFIC CONTROL STAGE 1 NB/SB
'B'	CTH B CL - PROPOSED	PROPOSED UNDERPASS CENTERLINE
'W'	CTH W CL - PROPOSED	PROPOSED UNDERPASS CENTERLINE
'D'	DROTNING RD CL - PROPOSED	PROPOSED UNDERPASS CENTERLINE
'BN'	CTH BN CL - PROPOSED	EXISTING OVERPASS CENTERLINE
'CS'	CHURCH ST CL - PROPOSED	EXISTING OVERPASS CENTERLINE
'SPM'	IH 39 SB 0788 - BEGIN TRANSITION	SB EXISTING TO PROPOSED PAVEMENT TRANSITION
'SB'	IH 39 SB PROPOSED RL	PROPOSED SB PROJECT ALIGNMENT
'X279'	IH 39 SB 1179 2L SOUTH XOVER	BEGIN PROJECT FUTURE SB 2 LANE CROSSOVER
'X271'	IH 39 NB 1171 2L XOVER	TRAFFIC CONTROL STAGE 1 NB CROSSOVER
'SBEA'	CTH W - EMERGENCY ACCESS - SBEA	SB EMERGENCY ACCESS

C52

PI STA =	766+41.15'TSB2'
Y =	441,802.4336
X =	897,472.3887
Δ =	37°38'55"
D =	2°01'01"
T =	968.42'
L =	1,866.65'
R =	2,840.79'
PC STA =	756+72.72'TSB2'
PT STA =	775+39.38'TSB2'

C2

PI STA =	1965+27.98
Y =	441,837.1950
X =	897,555.1816
Δ =	37°12'12"
D =	1°58'33"
T =	976.05'
L =	1,883.02'
R =	2,900.00'
PC STA =	1955+51.93
PT STA =	1974+34.96

MATCH LINE 1957+85

N43°28'16"W

STA 779+69.30'TSB2' PI:
Y=442,817.2429
X=896,510.3426

STA 787+46.92'TSB2' PI:
Y=443,381.5822
X=895,975.3452

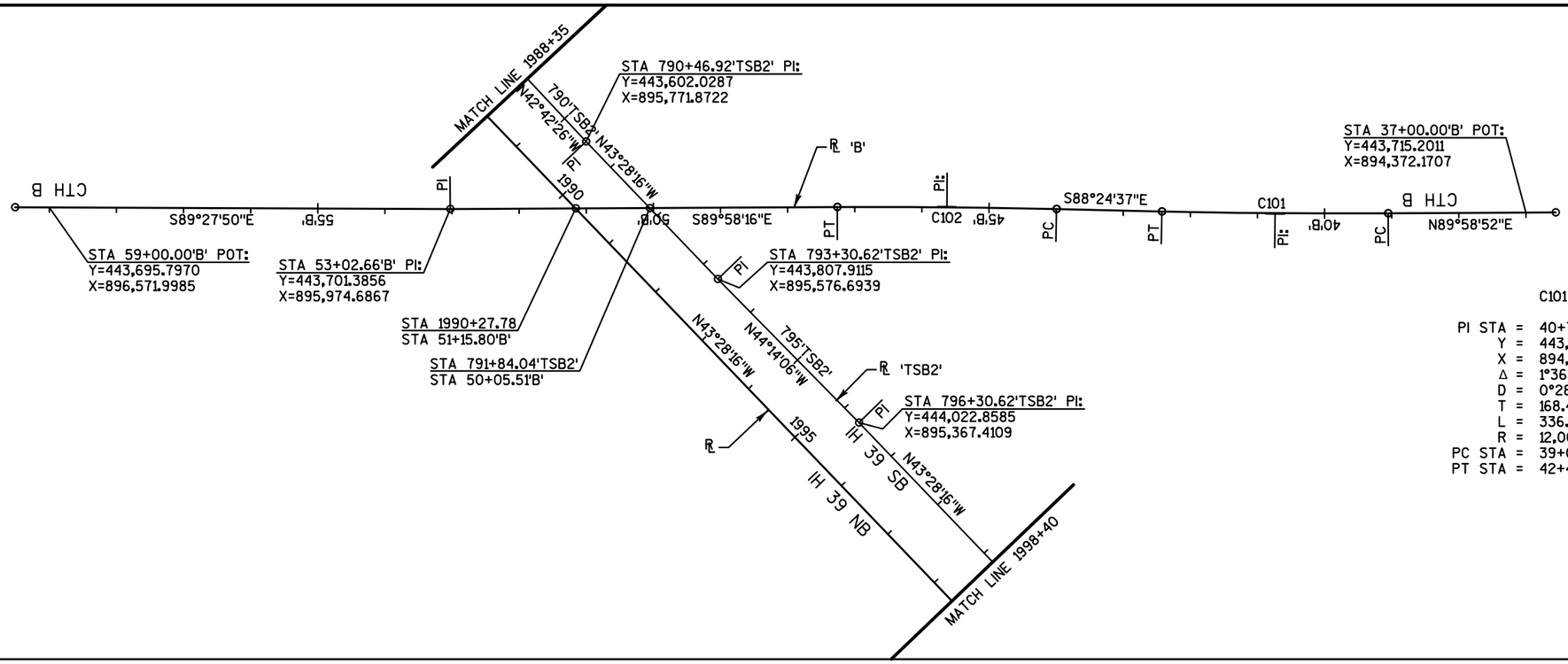
N42°42'26"W

MATCH LINE 1988+35

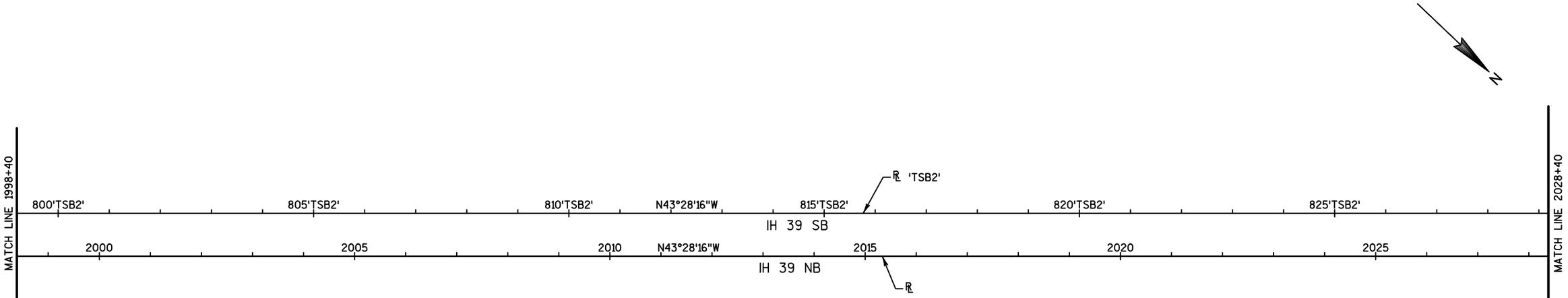
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 01 OF 07	SHEET E

FILE NAME : 027201_AD (ALIGNMENT DETAILS).DWG | PLOT DATE : 10/9/2017 6:14 PM | PLOT BY : SEH | LAYOUT NAME : 01 | PLOT SCALE : 1.0 IN = 200.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 02 TYPICAL SECTIONS & DETAILS



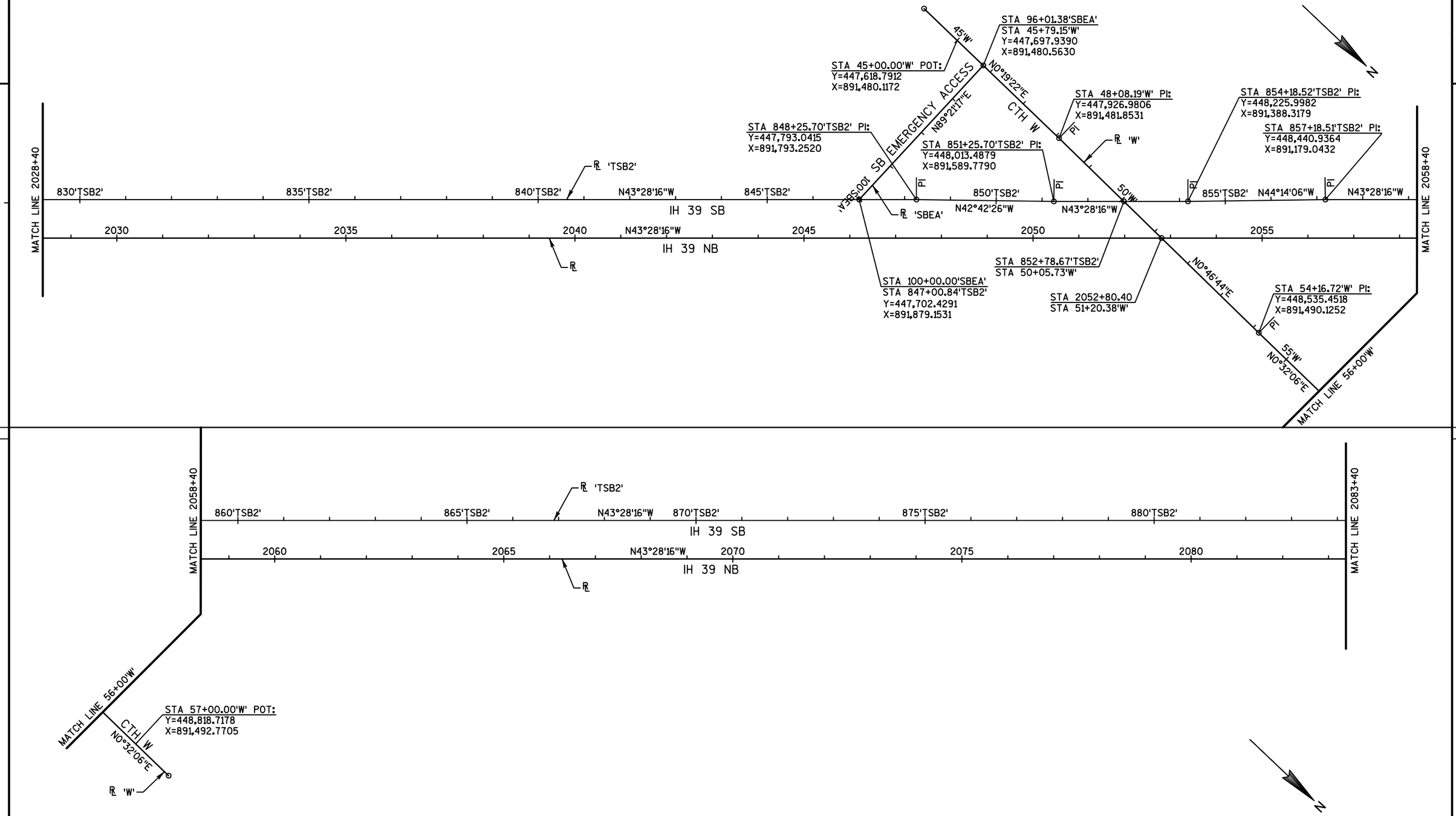
	C101	C102
PI STA =	40+73.81'B'	45+62.76'B'
Y =	443,715.3244	443,701.7587
X =	894,745.9761	895,234.7646
Δ =	1°36'31"	1°33'39"
D =	0°28'39"	0°28'39"
T =	168.47'	163.46'
L =	336.92'	326.91'
R =	12,000.00'	12,000.00'
PC STA =	39+05.34'B'	43+99.30'B'
PT STA =	42+42.25'B'	47+26.20'B'



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 02 OF 07	SHEET	E

FILE NAME : 027201_AD (ALIGNMENT DETAILS).DWG | PLOT DATE : 10/9/2017 6:14 PM | PLOT BY : SEH | LAYOUT NAME : 02 | PLOT SCALE : 1.0 IN = 200.0 FT | WISDOT/CADDS SHEET 42

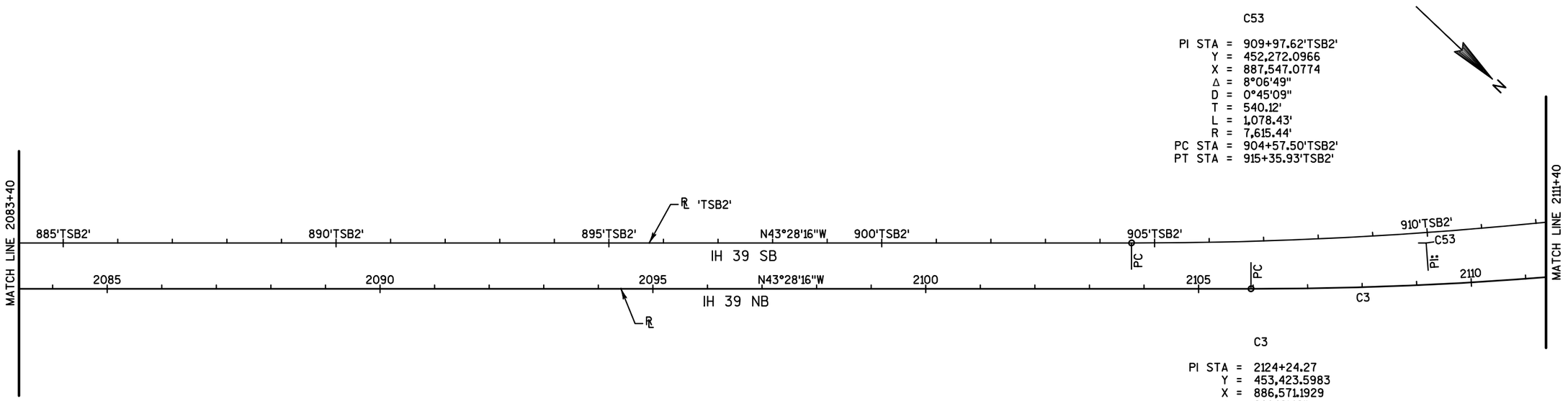
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117I\SEC

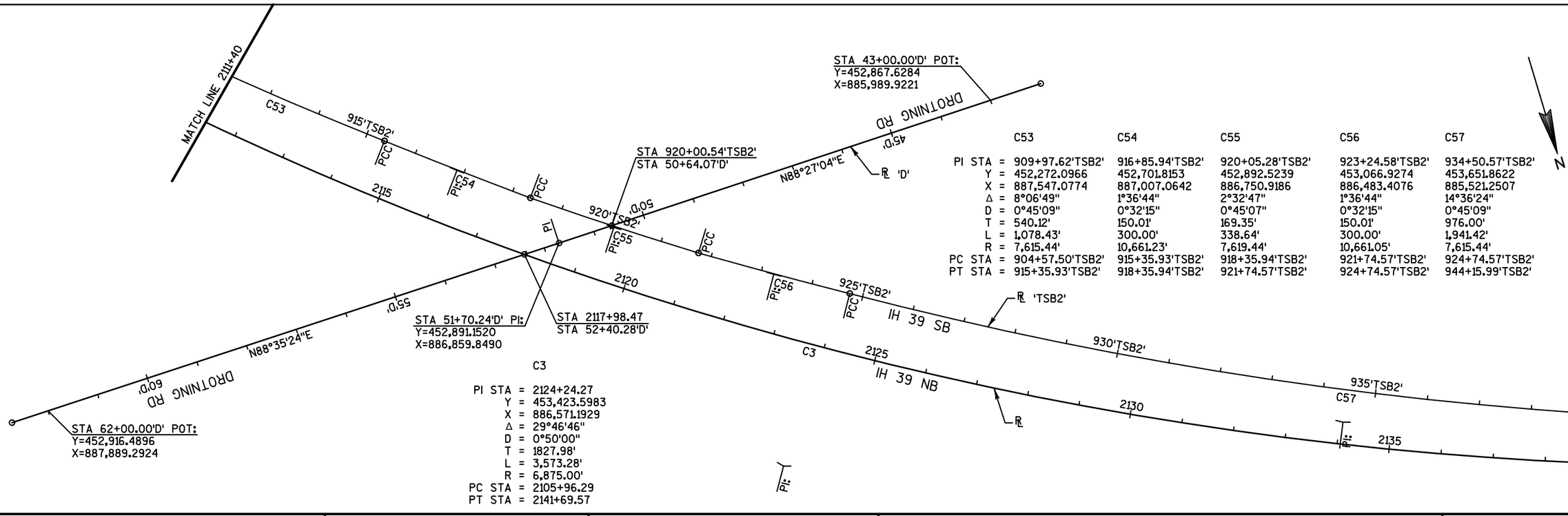


PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 03 OF 07	SHEET 200	E

FILE NAME : 027201_AD (ALIGNMENT DETAILS).DWG | PLOT DATE : 10/9/2017 6:14 PM | PLOT BY : SEH | LAYOUT NAME : 03 | PLOT SCALE : 1.0 IN = 200.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117I\SEC 02 TYPICAL SECTIONS & DETAILS





PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 04 OF 07	SHEET	E

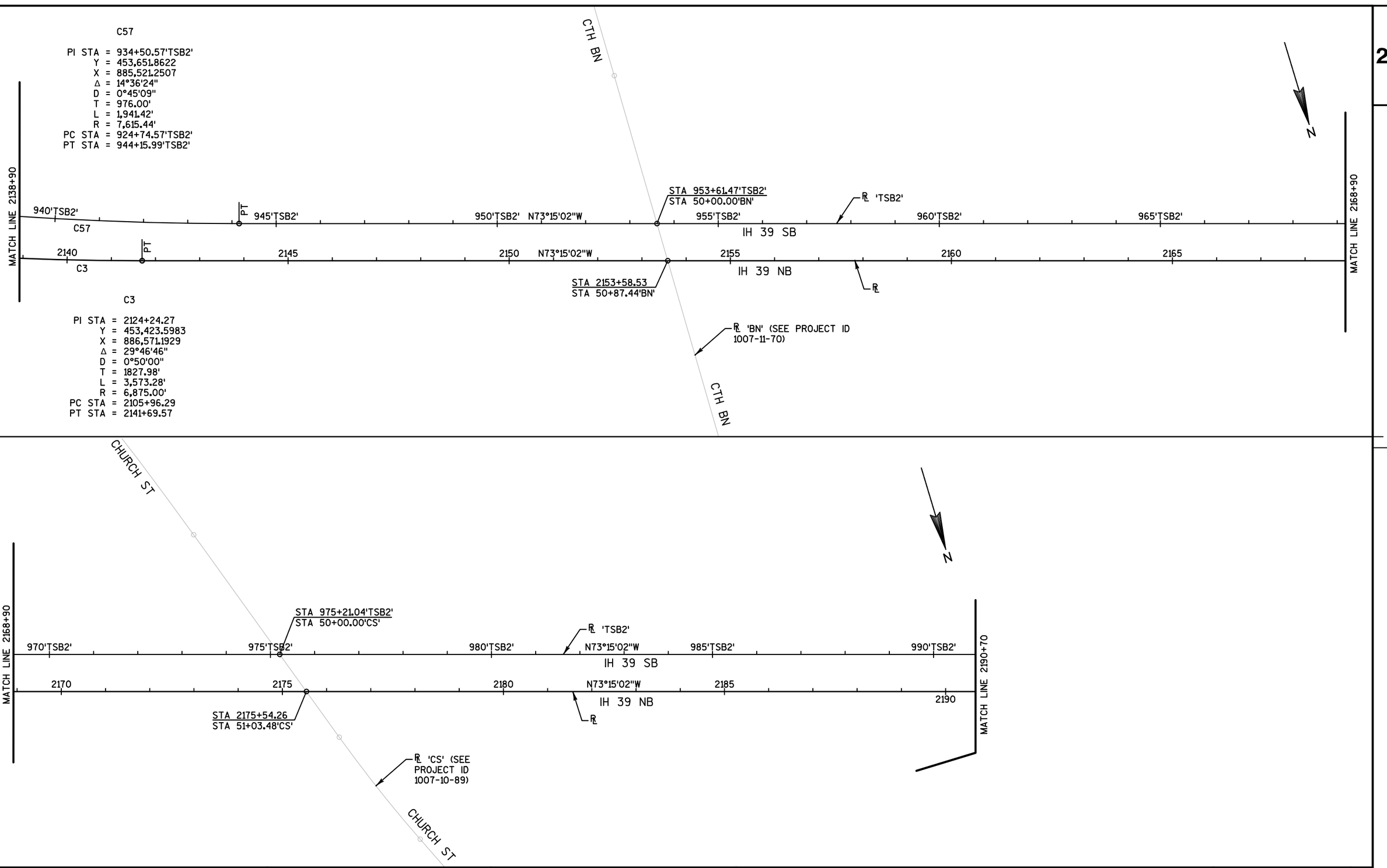
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007117I\SEC 02
FILE NAME : 027201_AD (ALIGNMENT DETAILS).DWG
PLOT DATE : 10/9/2017 6:14 PM
PLOT BY : SEH
LAYOUT NAME : 04
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

C57

PI STA = 934+50.57'TSB2'
Y = 453,651.8622
X = 885,521.2507
Δ = 14°36'24"
D = 0°45'09"
T = 976.00'
L = 1,941.42'
R = 7,615.44'
PC STA = 924+74.57'TSB2'
PT STA = 944+15.99'TSB2'

C3

PI STA = 2124+24.27
Y = 453,423.5983
X = 886,571.1929
Δ = 29°46'46"
D = 0°50'00"
T = 1827.98'
L = 3,573.28'
R = 6,875.00'
PC STA = 2105+96.29
PT STA = 2141+69.57

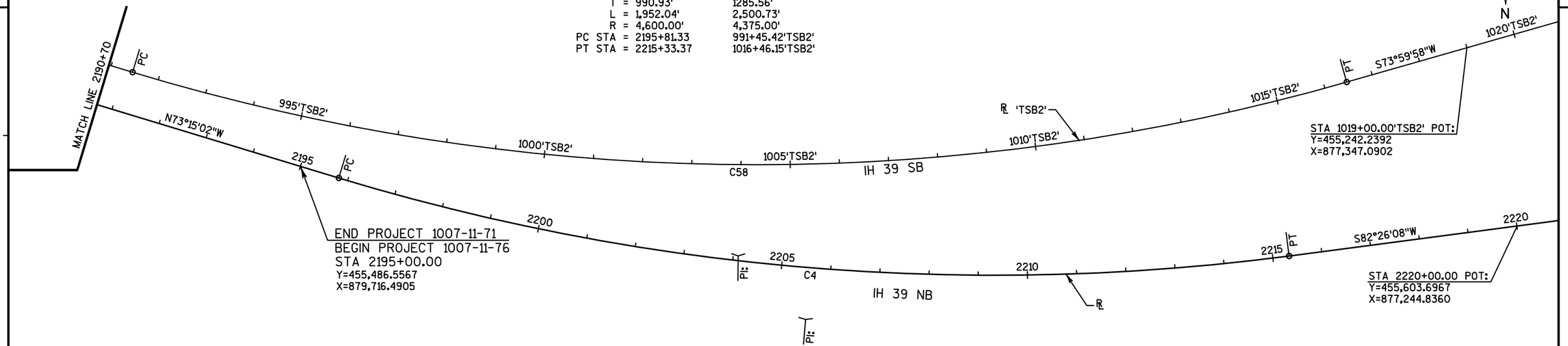


PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 05 OF 07	SHEET	E

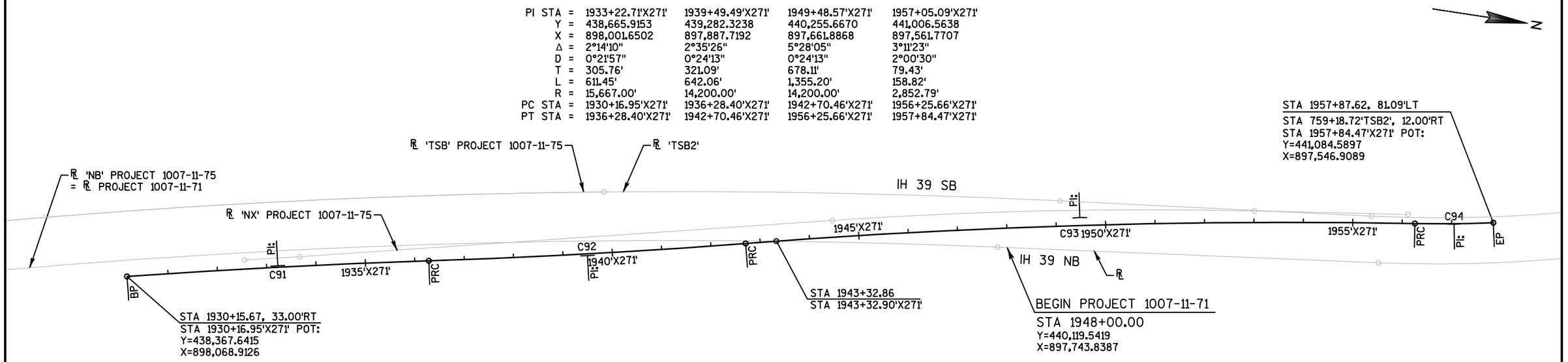
SAVE FOLDER PATH: \\SEH\MADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007117L\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 027201_AD (ALIGNMENT DETAILS).DWG
PLOT DATE : 10/9/2017 6:14 PM
PLOT BY : SEH
LAYOUT NAME : 05
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

	C4	C58
PI STA =	2205+72.27	1004+30.98'TSB2'
Y =	455,795.5698	455,666.5731
X =	878,689.7161	878,826.8641
Δ =	24°18'50"	32°45'00"
D =	1°14'44"	1°18'35"
T =	990.93'	1285.56'
L =	1,952.04'	2,500.73'
R =	4,600.00'	4,375.00'
PC STA =	2195+81.33	991+45.42'TSB2'
PT STA =	2215+33.37	1016+46.15'TSB2'



	C91	C92	C93	C94
PI STA =	1933+22.71'X271'	1939+49.49'X271'	1949+48.57'X271'	1957+05.09'X271'
Y =	438,665.9153	439,282.3238	440,255.6670	441,006.5638
X =	898,001.6502	897,887.7192	897,661.8868	897,561.7707
Δ =	2°14'10"	2°35'26"	5°28'05"	3°11'23"
D =	0°21'57"	0°24'13"	0°24'13"	2°00'30"
T =	305.76'	321.09'	678.11'	79.43'
L =	611.45'	642.06'	1,355.20'	158.82'
R =	15,667.00'	14,200.00'	14,200.00'	2,852.79'
PC STA =	1930+16.95'X271'	1936+28.40'X271'	1942+70.46'X271'	1956+25.66'X271'
PT STA =	1936+28.40'X271'	1942+70.46'X271'	1956+25.66'X271'	1957+84.47'X271'



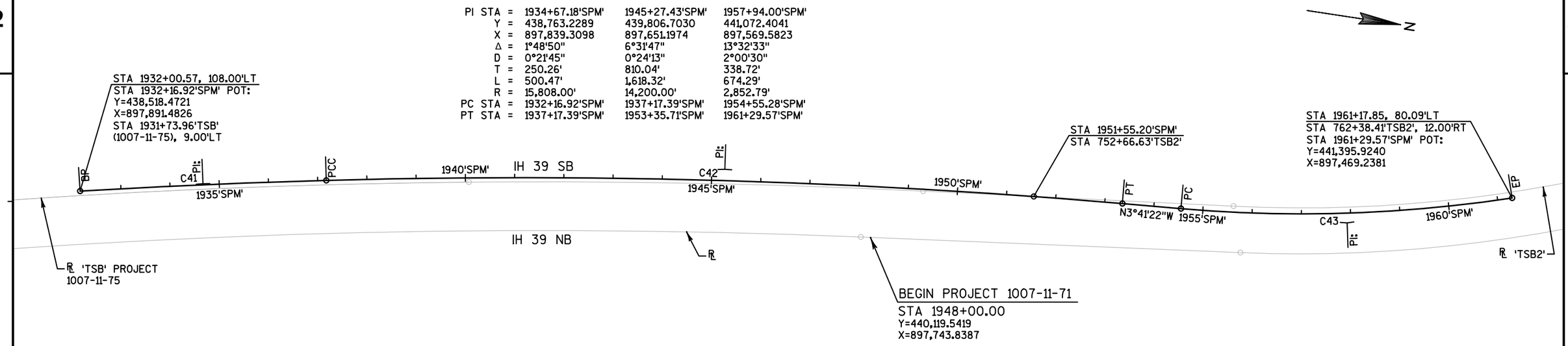
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 06 OF 07	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007117I\SEC 02 TYPICAL SECTIONS & DETAILS

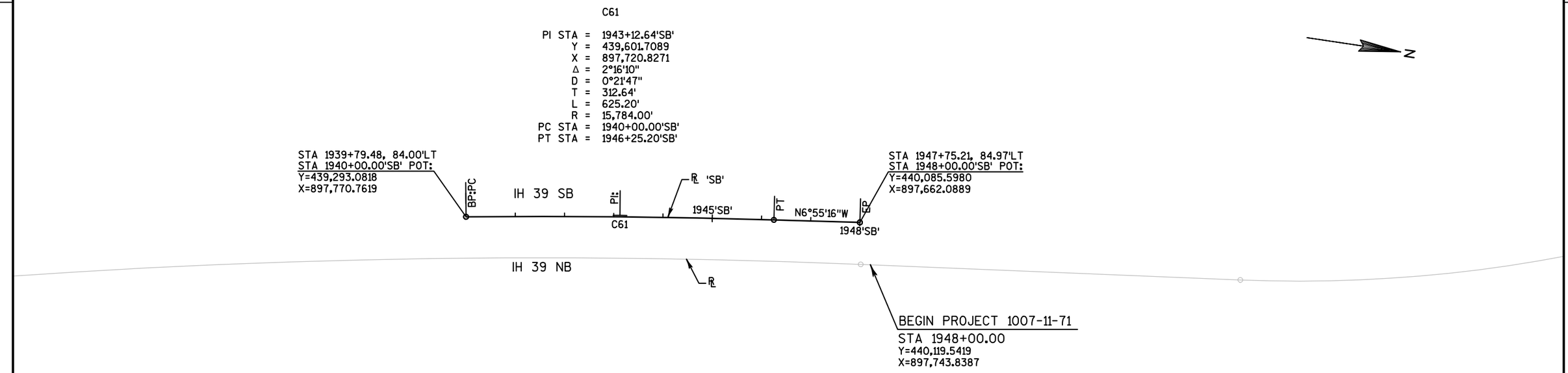
FILE NAME : 027201_AD (ALIGNMENT DETAILS).DWG PLOT DATE : 10/9/2017 6:14 PM PLOT BY : SEH LAYOUT NAME : 06 PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 42

	C41	C42	C43
PI STA =	1934+67.18'SPM'	1945+27.43'SPM'	1957+94.00'SPM'
Y =	438,763.2289	439,806.7030	441,072.4041
X =	897,839.3098	897,651.1974	897,569.5823
Δ =	1°48'50"	6°31'47"	13°32'33"
D =	0°21'45"	0°24'13"	2°00'30"
T =	250.26'	810.04'	338.72'
L =	500.47'	1,618.32'	674.29'
R =	15,808.00'	14,200.00'	2,852.79'
PC STA =	1932+16.92'SPM'	1937+17.39'SPM'	1954+55.28'SPM'
PT STA =	1937+17.39'SPM'	1953+35.71'SPM'	1961+29.57'SPM'



	C61
PI STA =	1943+12.64'SB'
Y =	439,601.7089
X =	897,720.8271
Δ =	2°16'10"
D =	0°21'47"
T =	312.64'
L =	625.20'
R =	15,784.00'
PC STA =	1940+00.00'SB'
PT STA =	1946+25.20'SB'



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 07 OF 07	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\111989\CIVIL 3D\10071001\SHEETSPLAN\1007117I\SEC 02
FILE NAME : 027203_AD (ALIGNMENT DETAILS TC).DWG
PLOT DATE : 10/9/2017 6:15 PM
PLOT BY : SEH
LAYOUT NAME : 07
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

1007-11-71

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	62.000	62.000
0004	201.0205	Grubbing	STA	62.000	62.000
0006	203.0100	Removing Small Pipe Culverts	EACH	33.000	33.000
0008	203.0200	Removing Old Structure (station) 700. 1990'NB'+27.78	LS	1.000	1.000
0010	203.0200	Removing Old Structure (station) 701. 2052'NB'+80.40	LS	1.000	1.000
0012	203.0200	Removing Old Structure (station) 702. 2117'NB'+98	LS	1.000	1.000
0016	203.0200	Removing Old Structure (station) 800. STA. 2123+80	LS	1.000	1.000
0018	203.0200	Removing Old Structure (station) 801. STA. 2189+50	LS	1.000	1.000
0024	204.0100	Removing Pavement	SY	72,513.000	72,513.000
0028	204.0157	Removing Concrete Barrier	LF	624.000	624.000
0030	204.0165	Removing Guardrail	LF	7,774.000	7,774.000
0032	204.0170	Removing Fence	LF	22,634.000	22,634.000
0034	204.0180	Removing Delineators and Markers	EACH	38.000	38.000
0036	204.0185	Removing Masonry	CY	48.000	48.000
0038	204.0220	Removing Inlets	EACH	6.000	6.000
0044	204.0245	Removing Storm Sewer (size) 002. 18-Inch	LF	689.000	689.000
0050	204.9060.S	Removing (item description) 001. Gate	EACH	3.000	3.000
0052	204.9090.S	Removing (item description) 001. Cable Guard	LF	5,725.000	5,725.000
0054	205.0100	Excavation Common	CY	302,992.000	302,992.000
0056	205.0200	Excavation Rock	CY	27,117.000	27,117.000
0058	205.0400	Excavation Marsh	CY	6,634.000	6,634.000
0060	206.1000	Excavation for Structures Bridges (structure) 700. B-13-713	LS	1.000	1.000
0062	206.1000	Excavation for Structures Bridges (structure) 701. B-13-715	LS	1.000	1.000
0064	206.1000	Excavation for Structures Bridges (structure) 702. B-13-717	LS	1.000	1.000
0070	206.2000	Excavation for Structures Culverts (structure) 800. C-13-3083	LS	1.000	1.000
0072	206.2000	Excavation for Structures Culverts (structure) 801. C-13-3084	LS	1.000	1.000
0076	206.5000	Cofferdams (structure) 800. C-13-3083	LS	1.000	1.000
0078	206.5000	Cofferdams (structure) 801. C-13-3084	LS	1.000	1.000
0082	208.1100	Select Borrow	CY	24,966.000	24,966.000
0084	210.1500	Backfill Structure Type A	TON	3,841.000	3,841.000
0086	210.2500	Backfill Structure Type B	TON	1,682.000	1,682.000
0088	213.0100	Finishing Roadway (project) 001. 1007-11-71	EACH	1.000	1.000
0092	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,776.000	1,776.000
0094	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	98,555.000	98,555.000
0096	311.0115	Breaker Run	CY	286.000	286.000
0098	312.0110	Select Crushed Material	TON	151,512.000	151,512.000

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Line	Item	Item Description	Unit	Total	Qty
0100	415.0100	Concrete Pavement 10-Inch **P**	SY	2,486.000	2,486.000
0102	415.0120	Concrete Pavement 12-Inch **P**	SY	160,395.000	160,395.000
0106	415.0410	Concrete Pavement Approach Slab **P**	SY	762.000	762.000
0108	415.5110.S	Concrete Pavement Joint Layout 001. Project 1007-11-71	LS	1.000	1.000
0112	416.0610	Drilled Tie Bars	EACH	167.000	167.000
0114	416.1010	Concrete Surface Drains **P**	CY	6.800	6.800
0116	416.1110	Concrete Shoulder Rumble Strips	LF	1,370.000	1,370.000
0118	440.4410	Incentive IRI Ride	DOL	27,528.000	27,528.000
0120	450.4000	HMA Cold Weather Paving	TON	1,067.000	1,067.000
0122	455.0605	Tack Coat	GAL	982.000	982.000
0124	460.2000	Incentive Density HMA Pavement	DOL	2,810.000	2,810.000
0128	460.5224	HMA Pavement 4 LT 58-28 S	TON	4,383.000	4,383.000
0136	501.1000.S	Ice Hot Weather Concreting	LB	22,140.000	22,140.000
0138	502.0100	Concrete Masonry Bridges **P**	CY	1,129.000	1,129.000
0140	502.3100	Expansion Device (structure) 702. B-13-717	LS	1.000	1.000
0142	502.3200	Protective Surface Treatment **P**	SY	4,003.000	4,003.000
0144	502.3210	Pigmented Surface Sealer	SY	600.000	600.000
0150	503.0172	Prestressed Girder Type I 72W-Inch **P**	LF	4,599.000	4,599.000
0152	504.0100	Concrete Masonry Culverts **P**	CY	455.000	455.000
0154	504.0900	Concrete Masonry Endwalls **P**	CY	20.000	20.000
0156	505.0400	Bar Steel Reinforcement HS Structures **P**	LB	103,970.000	103,970.000
0158	505.0600	Bar Steel Reinforcement HS Coated Structures **P**	LB	312,640.000	312,640.000
0160	505.0800.S	Bar Steel Reinforcement HS Stainless Structures **P**	LB	6,480.000	6,480.000
0162	506.2605	Bearing Pads Elastomeric Non-Laminated	EACH	40.000	40.000
0164	506.2610	Bearing Pads Elastomeric Laminated	EACH	10.000	10.000
0166	506.4000	Steel Diaphragms (structure) 700. B-13-713 **P**	EACH	18.000	18.000
0168	506.4000	Steel Diaphragms (structure) 701. B-13-715 **P**	EACH	18.000	18.000
0170	506.4000	Steel Diaphragms (structure) 702. B-13-717 **P**	EACH	18.000	18.000
0176	506.5000	Bearing Assemblies Fixed (structure) 702. B-13-717	EACH	10.000	10.000
0178	511.1100	Temporary Shoring	SF	4,070.000	4,070.000
0182	511.2200	Temporary Shoring Left in Place (structure) 800. C-13-3083	SF	2,435.000	2,435.000
0184	511.2200	Temporary Shoring Left in Place (structure) 801. C-13-3084	SF	610.000	610.000
0198	516.0500	Rubberized Membrane Waterproofing	SY	192.000	192.000
0200	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	6.000	6.000
0202	520.2024	Culvert Pipe Temporary 24-Inch	LF	68.000	68.000
0204	520.8000	Concrete Collars for Pipe	EACH	14.000	14.000
0206	521.1012	Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH	5.000	5.000

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Line	Item	Item Description	Unit	Total	Qty
0208	522.0118	Culvert Pipe Reinforced Concrete Class III 18-Inch	LF	108.000	108.000
0210	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	316.000	316.000
0212	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	262.000	262.000
0214	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	14.000	14.000
0216	522.0142	Culvert Pipe Reinforced Concrete Class III 42-Inch	LF	490.000	490.000
0218	522.0148	Culvert Pipe Reinforced Concrete Class III 48-Inch	LF	36.000	36.000
0220	522.0418	Culvert Pipe Reinforced Concrete Class IV 18-Inch	LF	416.000	416.000
0222	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	110.000	110.000
0226	522.0436	Culvert Pipe Reinforced Concrete Class IV 36-Inch	LF	162.000	162.000
0228	522.0472	Culvert Pipe Reinforced Concrete Class IV 72-Inch	LF	400.000	400.000
0230	522.0554	Culvert Pipe Reinforced Concrete Class V 54-Inch	LF	168.000	168.000
0234	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	21.000	21.000
0236	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	11.000	11.000
0238	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	3.000	3.000
0240	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	1.000	1.000
0242	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	4.000	4.000
0244	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	1.000	1.000
0246	522.1054	Apron Endwalls for Culvert Pipe Reinforced Concrete 54-Inch	EACH	1.000	1.000
0250	522.2319	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 19x30-Inch	LF	56.000	56.000
0252	522.2324	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 24x38-Inch	LF	104.000	104.000
0254	522.2329	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 29x45-Inch	LF	80.000	80.000
0256	522.2348	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 48x76-Inch	LF	156.000	156.000
0258	522.2619	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	2.000	2.000
0260	522.2624	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	EACH	1.000	1.000
0262	522.2629	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 29x45-Inch	EACH	4.000	4.000
0264	524.0148	Culvert Pipe Salvaged 48-Inch	LF	24.000	24.000
0266	550.0500	Pile Points	EACH	71.000	71.000
0268	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	3,905.000	3,905.000

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Line	Item	Item Description	Unit	Total	Qty
0270	550.1120	Piling Steel HP 12-Inch X 53 Lb	LF	5,000.000	5,000.000
0272	601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A **P**	LF	65.000	65.000
0274	603.1142	Concrete Barrier Type S42 **P**	LF	281.000	281.000
0276	603.8000	Concrete Barrier Temporary Precast Delivered	LF	57,459.000	57,459.000
0278	603.8125	Concrete Barrier Temporary Precast Installed	LF	57,459.000	57,459.000
0282	604.0500	Slope Paving Crushed Aggregate	SY	2,132.000	2,132.000
0284	606.0200	Riprap Medium	CY	628.000	628.000
0286	606.0300	Riprap Heavy	CY	531.000	531.000
0288	608.0005	Storm Sewer Rock Excavation	CY	60.000	60.000
0290	608.0118	Relaid Storm Sewer 18-Inch	LF	452.000	452.000
0292	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	262.000	262.000
0294	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	314.000	314.000
0296	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	823.000	823.000
0298	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	126.000	126.000
0300	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	98.000	98.000
0302	611.0530	Manhole Covers Type J	EACH	3.000	3.000
0304	611.0545	Manhole Covers Type L	EACH	2.000	2.000
0310	611.0642	Inlet Covers Type MS	EACH	13.000	13.000
0314	611.0654	Inlet Covers Type V	EACH	5.000	5.000
0316	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000
0318	611.2005	Manholes 5-FT Diameter	EACH	3.000	3.000
0320	611.2006	Manholes 6-FT Diameter	EACH	1.000	1.000
0324	611.3220	Inlets 2x2-FT	EACH	5.000	5.000
0328	611.3901	Inlets Median 1 Grate	EACH	9.000	9.000
0330	611.3902	Inlets Median 2 Grate	EACH	2.000	2.000
0334	612.0212	Pipe Underdrain Unperforated 12-Inch	LF	176.000	176.000
0336	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	1,055.000	1,055.000
0338	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	12.000	12.000
0340	614.0800	Crash Cushions Permanent	EACH	12.000	12.000
0342	614.0905	Crash Cushions Temporary	EACH	5.000	5.000
0344	614.0930	Salvaged Crash Cushions	EACH	6.000	6.000
0346	616.0100	Fence Woven Wire (height) 001. 4-ft **P**	LF	25,263.000	25,263.000
0348	616.0360.S	Gates Pipe Single Leaf (length) 001. 16-ft	EACH	3.000	3.000
0350	618.0100	Maintenance And Repair of Haul Roads (project) 001. 1007-11-71	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0354	619.1000	Mobilization	EACH	0.600	0.600
0356	624.0100	Water	MGAL	1,100.000	1,100.000
0360	625.0500	Salvaged Topsoil	SY	313,000.000	313,000.000
0362	627.0200	Mulching	SY	270,000.000	270,000.000
0364	628.1104	Erosion Bales	EACH	955.000	955.000
0366	628.1504	Silt Fence	LF	9,000.000	9,000.000
0368	628.1520	Silt Fence Maintenance	LF	9,000.000	9,000.000
0370	628.1905	Mobilizations Erosion Control	EACH	12.000	12.000
0372	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0374	628.2004	Erosion Mat Class I Type B	SY	28,240.000	28,240.000
0376	628.2008	Erosion Mat Urban Class I Type B	SY	13,710.000	13,710.000
0378	628.2037	Erosion Mat Class III Type C	SY	950.000	950.000
0382	628.6505	Soil Stabilizer Type A	ACRE	7.500	7.500
0384	628.6510	Soil Stabilizer Type B	ACRE	0.500	0.500
0386	628.7005	Inlet Protection Type A	EACH	25.000	25.000
0388	628.7010	Inlet Protection Type B	EACH	25.000	25.000
0390	628.7504	Temporary Ditch Checks	LF	5,880.000	5,880.000
0392	628.7515.S	Stone or Rock Ditch Checks	CY	105.000	105.000
0394	628.7555	Culvert Pipe Checks	EACH	232.000	232.000
0396	628.7560	Tracking Pads	EACH	10.000	10.000
0398	628.7570	Rock Bags	EACH	100.000	100.000
0400	629.0205	Fertilizer Type A	CWT	200.000	200.000
0402	630.0110	Seeding Mixture No. 10	LB	2,750.000	2,750.000
0404	630.0130	Seeding Mixture No. 30	LB	1,975.000	1,975.000
0406	633.0100	Delineator Posts Steel	EACH	65.000	65.000
0408	633.0500	Delineator Reflectors	EACH	68.000	68.000
0410	633.1100	Delineators Temporary	EACH	2.000	2.000
0412	633.5200	Markers Culvert End	EACH	44.000	44.000
0414	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	12.000	12.000
0416	636.0100	Sign Supports Concrete Masonry **P**	CY	26.000	26.000
0420	636.1500	Sign Supports Steel Coated Reinforcement HS	LB	3,530.000	3,530.000
0424	637.2210	Signs Type II Reflective H	SF	107.250	107.250
0426	638.2102	Moving Signs Type II	EACH	78.000	78.000
0430	638.2602	Removing Signs Type II	EACH	10.000	10.000
0432	638.3000	Removing Small Sign Supports	EACH	13.000	13.000
0434	638.3100	Removing Structural Steel Sign Supports	EACH	3.000	3.000
0436	641.6600	Sign Bridge (structure) 950. S-13-471	LS	1.000	1.000
0438	643.0300	Traffic Control Drums	DAY	3,300.000	3,300.000
0440	643.0420	Traffic Control Barricades Type III	DAY	4,300.000	4,300.000
0442	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	100.000	100.000

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Line	Item	Item Description	Unit	Total	Qty
0444	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	100.000	100.000
0446	643.0705	Traffic Control Warning Lights Type A	DAY	6,650.000	6,650.000
0448	643.0715	Traffic Control Warning Lights Type C	DAY	1,800.000	1,800.000
0450	643.0800	Traffic Control Arrow Boards	DAY	100.000	100.000
0452	643.0900	Traffic Control Signs	DAY	30,900.000	30,900.000
0454	643.0920	Traffic Control Covering Signs Type II	EACH	690.000	690.000
0456	643.1050	Traffic Control Signs PCMS	DAY	140.000	140.000
0458	643.5000	Traffic Control	EACH	0.600	0.600
0460	645.0105	Geotextile Type C	SY	706.000	706.000
0462	645.0111	Geotextile Type DF Schedule A	SY	624.000	624.000
0464	645.0120	Geotextile Type HR	SY	2,129.000	2,129.000
0466	645.0140	Geotextile Type SAS	SY	900.000	900.000
0468	645.0220	Geogrid Type SR	SY	6,200.000	6,200.000
0470	646.9000	Marking Removal Line 4-Inch	LF	160,461.000	160,461.000
0474	649.0105	Temporary Marking Line Paint 4-Inch	LF	106,974.000	106,974.000
0476	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	115,204.000	115,204.000
0482	649.0770	Temporary Marking Raised Pavement Marker Type II	EACH	150.000	150.000
0484	652.0125	Conduit Rigid Metallic 2-Inch **P**	LF	123.000	123.000
0486	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	LF	1,485.000	1,485.000
0488	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	265.000	265.000
0490	653.0154	Pull Boxes Non-Conductive 24x36-Inch	EACH	3.000	3.000
0492	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	6.000	6.000
0494	653.0222	Junction Boxes 18x12x6-Inch	EACH	6.000	6.000
0496	653.0905	Removing Pull Boxes	EACH	1.000	1.000
0498	654.0105	Concrete Bases Type 5	EACH	1.000	1.000
0500	655.0610	Electrical Wire Lighting 12 AWG	LF	25,203.000	25,203.000
0502	655.0625	Electrical Wire Lighting 6 AWG	LF	420.000	420.000
0504	655.0630	Electrical Wire Lighting 4 AWG	LF	460.000	460.000
0506	656.0200	Electrical Service Meter Breaker Pedestal (location) 400. CCTV-13-0112	LS	1.000	1.000
0508	656.0500	Electrical Service Breaker Disconnect Box (location) 400. CCTV-13-0112	LS	1.000	1.000
0510	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	1.000	1.000
0512	657.0322	Poles Type 5-Aluminum	EACH	1.000	1.000
0514	670.0100	Field System Integrator 400. ITS 1007-11-71	LS	1.000	1.000
0518	670.0200	ITS Documentation 400. ITS 1007-11-71	LS	1.000	1.000
0522	671.0132	Conduit HDPE 3-Duct 2-Inch **P**	LF	23,570.000	23,570.000
0524	671.0232	Conduit HDPE Directional Bore 3-Duct 2-Inch **P**	LF	1,070.000	1,070.000
0526	672.0250	Base Camera Pole 50-FT	EACH	2.000	2.000
0528	673.0110	Communication Vault Type Round	EACH	13.000	13.000

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Line	Item	Item Description	Unit	Total	Qty
0530	673.0200	Tracer Wire Marker Posts	EACH	13.000	13.000
0532	673.0225.S	Install Pole Mounted Cabinet	EACH	3.000	3.000
0534	674.0300	Remove Cable	LF	95.000	95.000
0536	674.0400	Reinstall Cable	LF	95.000	95.000
0538	675.0300	Install Mounted Controller Microwave Detector Assembly	EACH	4.000	4.000
0540	677.0150	Install Camera Pole 50-FT	EACH	2.000	2.000
0542	677.0200	Install Camera Assembly	EACH	2.000	2.000
0544	678.0100.S	Install Overhead Freeway DMS Full Matrix	EACH	1.000	1.000
0546	678.0600	Install Ethernet Switches	EACH	2.000	2.000
0548	678.0800	Install Cellular Modems	EACH	3.000	3.000
0550	690.0150	Sawing Asphalt	LF	1,877.000	1,877.000
0552	690.0250	Sawing Concrete	LF	1,427.000	1,427.000
0554	715.0415	Incentive Strength Concrete Pavement	DOL	48,864.300	48,864.300
0556	715.0502	Incentive Strength Concrete Structures	DOL	9,504.000	9,504.000
0558	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	3,200.000	3,200.000
0560	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	6,000.000	6,000.000
0562	SPV.0035	Special 001. Roadway Embankment	CY	186,150.000	186,150.000
0564	SPV.0035	Special 700. High Performance Concrete (HPC) Masonry Structures **P**	CY	1,822.000	1,822.000
0566	SPV.0060	Special 001. Baseline CPM Progress Schedule	EACH	0.600	0.600
0568	SPV.0060	Special 002. CPM Progress Schedule Updates and Accepted Revisions	EACH	10.000	10.000
0570	SPV.0060	Special 003. Removing Billboards	EACH	1.000	1.000
0572	SPV.0060	Special 004. Test Pits	EACH	16.000	16.000
0576	SPV.0060	Special 006. Emergency Access Gate	EACH	2.000	2.000
0578	SPV.0060	Special 007. Department Owned Field Office Equipment and Maintenance	EACH	0.600	0.600
0580	SPV.0060	Special 008. Roadway Cleanup	EACH	8.000	8.000
0582	SPV.0060	Special 009. Repair State Owned Energy Absorbing Terminal (EAT)	EACH	6.000	6.000
0584	SPV.0060	Special 200. Temporary Concrete Barrier Gate	EACH	1.000	1.000
0586	SPV.0060	Special 201. Install Department Furnished Crash Cushion Low Maintenance	EACH	1.000	1.000
0588	SPV.0060	Special 202. Repair State Owned Crash Cushion Low Maintenance	EACH	1.000	1.000
0590	SPV.0060	Special 203. Repair State Owned Crash Cushion	EACH	6.000	6.000
0592	SPV.0060	Special 204. Emergency Response to Traffic Incident Involving Roadside Safety Devices	EACH	5.000	5.000
0594	SPV.0060	Special 401. Remove Poles Wood	EACH	1.000	1.000
0596	SPV.0090	Special 001. Furnishing Temporary Snow Fence	LF	1,453.000	1,453.000

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Line	Item	Item Description	Unit	Total	Qty
0598	SPV.0090	Special 002. Installing Temporary Snow Fence	LF	1,453.000	1,453.000
0600	SPV.0090	Special 003. Concrete Pavement Joint Sealing	LF	281.000	281.000
0602	SPV.0090	Special 004. Re-Lap Guardrail	LF	1,620.000	1,620.000
0604	SPV.0090	Special 005. Repair State Owned Guardrail	LF	1,800.000	1,800.000
0606	SPV.0090	Special 150. Compost Tube	LF	6,380.000	6,380.000
0608	SPV.0090	Special 200. Traffic Control Gawk Screen Furnished	LF	1,000.000	1,000.000
0610	SPV.0090	Special 201. Traffic Control Gawk Screen Installed	LF	1,000.000	1,000.000
0612	SPV.0090	Special 202. Traffic Control Glare Screen Furnished	LF	700.000	700.000
0614	SPV.0090	Special 203. Traffic Control Glare Screen Installed	LF	700.000	700.000
0616	SPV.0090	Special 204. Concrete Barrier Temporary Precast Left In Place	LF	7,379.000	7,379.000
0618	SPV.0090	Special 205. Maintenance and Removal of Concrete Barrier Temp Precast L.I.P. by Others	LF	1,113.000	1,113.000
0620	SPV.0090	Special 206. Repair State Owned Concrete Barrier Temporary Precast	LF	700.000	700.000
0624	SPV.0105	Special 001. Survey Project 1007-11-71 with Optional AMG for Conc Pavement & Base Course	LS	1.000	1.000
0630	SPV.0105	Special 401. Salvage ITS Equipment	LS	1.000	1.000
0632	SPV.0105	Special 402. Salvage Roadside DMS	LS	1.000	1.000
0634	SPV.0105	Special 403. Relocate Solar-Powered Bluetooth Sensor	LS	1.000	1.000
0636	SPV.0165	Special 700. Longitudinal Grooving Bridge Deck **P**	SF	35,710.000	35,710.000

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CLEARING AND GRUBBING

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	201.0105 CLEARING (STA)	201.0205 GRUBBING (STA)
1007-11-71	1000	1	1972+00	-	1977+00	RT	5	5
			1982+00	-	1984+00	RT	2	2
			1986+00	-	1989+00	RT	3	3
			1990+00		1993+00	RT	3	3
			2007+00	-	2008+00	RT	1	1
			2031+00	-	2032+00	RT	1	1
			2050+00	-	2053+00	RT	3	3
			2054+00	-	2056+00	RT	2	2
			2074+00	-	2079+00	RT	5	5
			2080+00	-	2081+00	RT	1	1
			2085+00	-	2088+00	RT	3	3
			2106+00	-	2109+00	RT	3	3
			2113+00	-	2115+00	RT	2	2
			2124+00	-	2138+00	RT	14	14
			2139+00	-	2141+00	RT	2	2
			2143+00	-	2145+00	RT	2	2
			2147+00	-	2153+00	RT	6	6
			2156+00	-	2158+00	RT	2	2
			2177+00	-	2179+00	RT	2	2
						STAGE SUBTOTALS	62	62
						PROJECT TOTALS	**62**	**62**

REMOVING PAVEMENT

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0100 (SY)	REMARKS
1007-11-71	1000	1	1948+00		1989+54	IH 39 NB	11985	TRAVEL LANES
			1991+06		2052+02	IH 39 NB	17686	TRAVEL LANES
			1994+52		1996+97	RT	213	CONCRETE FLUME
			2053+54		2117+07	IH 39 NB	18273	TRAVEL LANES
			2118+87		2195+00	IH 39 NB	22053	TRAVEL LANES
						STAGE SUBTOTALS	70210	
		2	1934+35		1955+25	IH 39 NB MEDIAN	2303	CROSSOVERS
						STAGE SUBTOTALS	2303	
						PROJECT TOTALS	**72513**	

REMOVING CONCRETE BARRIER

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0157 (LF)
1007-11-71	1000	-	2150+71	-	2153+89	IH 39 NB, RT	318
			2172+96		2176+02	IH 39 NB, RT	306
						STAGE SUBTOTALS	624
						PROJECT TOTALS	**624**

REMOVING SMALL PIPE CULVERTS

PROJECT NUMBER	CATEGORY	STAGE	STATION	OFFSET	DESCRIPTION	203.0100 (EACH)	REMARKS
1007-11-71	1000	1	1950+81	-	18" X 112' CPCS	1	
			1953+86	RT	18" X 46' CPCS	1	DRIVEWAY/FE
			1984+80	-	42" X 115' CPCS	1	REMOVE NB PORTION
			1992+29	-	48" X 135' CPCS	1	REMOVE NB PORTION
			2008+30	-	48" X 105' CPCS	1	REMOVE NB PORTION
			2018+94	-	48" X 99' CPCS	1	REMOVE NB PORTION
			2030+92	-	18" X 60' CPRC	1	
			2040+89		18" X 75' CPRC	1	
			2043+64	RT	18" X 53' CPCS	1	DRIVEWAY/FE
			2051+04		24" X 73' CPRC	1	
			2055+19		36" X 145' CPCS	1	REMOVE NB PORTION
			2061+92		30" X 101' CPCS	1	REMOVE NB PORTION
			2062+91		18" X 80' CPRC	1	
			2073+90		18" X 64' CPRC	1	
			2093+23		48" X 99' CPCS	1	REMOVE NB PORTION
			2095+93		18" X 60' CPRC	1	
			2106+83		18" X 68' CPRC	1	
			2112+92		48" X 185' CPCS	1	REMOVE NB PORTION
			2112+99		48" X 186' CPCS	1	REMOVE NB PORTION
			2116+01		18" X 102' CPRC	1	
			2125+95		18" X 107' CPCS	1	
			2151+58		18" X 73' CPRC	1	
			2157+33		36" X 102' CPCS	1	REMOVE NB PORTION
			2161+35		18" X 68' CPRC	1	
			2167+26		48" X 108' CPCS	1	REMOVE NB PORTION
			2169+31		18" X 72' CPRC	1	
			2174+34		30" X 84' CPRC	1	REMOVE NB PORTION
			2177+31		18" X 60' CPRC	1	
						1	
			52+28'B'	-	18"x29" X 63' PACS	1	CTH B
			53+34'W'	-	20"x36" X 52' PACS	1	CTH W
			56+62'DR'	-	48" X 52' PACS	1	DROTNING RD
			56+68'DR'	-	48" X 51' PACS	1	DROTNING RD
					STAGE SUBTOTALS	33	
					PROJECT TOTALS	**33**	

REMOVING FENCE

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0170 (LF)
1007-11-71	1000	-	1969+44	-	1989+17	IH 39 NB, RT	2023
			1990+62	-	2052+46	IH 39 NB, RT	6475
			847+44'TSB2'	-	850+66'TSB2'	IH 39 SB, LT	324
			2053+96	-	2116+66	IH 39 NB, RT	6410
			2118+43	-	2152+52	IH 39 NB, RT	3519
			2155+16		2175+43	IH 39 NB, RT	2058
			2177+54		2195+00	IH 39 NB, RT	1825
						STAGE SUBTOTALS	22634
						PROJECT TOTALS	**22634**

3

REMOVING GUARDRAIL

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0165 (LF)
1007-11-71	1000	-	1983+31	-	1989+58	IH 39 NB, LT	627
			1984+41	-	1989+17	IH 39 NB, RT	476
			1989+63			IH 39 NB MEDIAN	50
			1990+84	-	1997+14	IH 39 NB, RT	630
			1991+18			IH 39 NB MEDIAN	52
			2048+32	-	2051+92	IH 39 NB, LT	360
			2049+35	-	2052+39	IH 39 NB, RT	304
			2053+42			IH 39 NB MEDIAN	43
			2053+45	-	2057+34	IH 39 NB, LT	389
			2106+60	-	2116+58	IH 39 NB, RT	998
			912+18'TSB2'	-	924+32'TSB2'	IH 39 SB MEDIAN	1016
			2111+65	-	2117+06	IH 39 NB, LT	541
			2117+07			IH 39 NB MEDIAN	114
			2118+55	-	2137+29	IH 39 NB, RT	1874
			2119+11			IH 39 NB MEDIAN	114
			2149+81	-	2150+74	IH 39 NB, RT	93
			2172+06	-	2172+99	IH 39 NB, RT	93
						SUBTOTAL	7774
						PROJECT TOTALS	**7774**

REMOVING STORM SEWER

PROJECT NUMBER	CATEGORY	STAGE	STATION	OFFSET	204.0245.001 18-INCH (LF)	REMARKS
1007-11-71	1000	1	2151+58	LT & RT	73	CONCRETE
			2152+72	LT & RT	66	CONCRETE
			2152+76	LT & RT	66	CONCRETE
			2173+56	LT & RT	72	CONCRETE
				STAGE SUBTOTALS	277	
		2	1934+37 - 1934+49	LT	12	CONCRETE
			1934+49 - 1938+49	LT	400	SLOTTED DRAIN
				STAGE SUBTOTALS	412	
				PROJECT TOTALS	**689**	

REMOVING INLETS

CATEGORY	STAGE	STATION	OFFSET	DESCRIPTION	204.0220 (EACH)
1000	1	1950+80	30.0' LT	MEDIAN INLET	1
		2151+58	28.0' LT	MEDIAN INLET	1
		2152+69	22.0' LT	MEDIAN INLET	1
		2173+55	25.0' LT	MEDIAN INLET	1
				STAGE SUBTOTAL	3
	2	1939+88	58.7' LT	MEDIAN INLET	1
		1944+37	34.5' LT	MEDIAN INLET	1
		1944+49	40.0' LT	MEDIAN INLET	1
				STAGE SUBTOTAL	3
				PROJECT TOTAL	**6**

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REMOVING MASONRY

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0185 (CY)	REMARKS
1007-11-71	1000	1	2153+54	-	2153+85	IH 39 NB, RT	23	REMOVE EXISTING PIER FOOTING/COLUMN
			2175+64	-	2176+00	IH 39 NB, RT	25	REMOVE EXISTING PIER FOOTING/COLUMN
						STAGE SUBTOTALS	48	
						PROJECT TOTALS	**48**	

REMOVING DELINEATORS AND MARKERS

CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0180 (EACH)
1000	1	1948+00		1989+54	IH 39 NB	9
		1991+06		2052+02	IH 39 NB	12
		2053+54		2117+07	IH 39 NB	12
		2118+87		2195+00	IH 39 NB	5
					PROJECT TOTAL	**38**

REMOVING CABLE GUARD

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.9090.S (LF)
1007-11-71	1000	1	2055+77	-	2062+77	IH 39 NB, LT	700
		1	2063+50	-	2113+75	IH 39 NB, LT	5025
						STAGE SUBTOTALS	5725
						PROJECT TOTALS	**5725**

EARTHWORK SUMMARY

PROJECT NUMBER	CATEGORY	STAGE	LOCATION	STATION - STATION	205.0100 EXCAVATION COMMON (1) CY CUT (2) (CY)	EBS EXCAVATION (3) (CY)	205.0400 EXCAVATION MARSH (4) (CY)	205.0200 ROCK EXCAVATION (CY)	FILL (CY)	208.1100 SELECT BORROW(7) (CY)	645.0220 GEOGRID TYPE SR (SY)	SPV.0035.001 ROADWAY EMBANKMENT (5) (CY)	MASS ORDINATE +/- (6) (CY)
1007-11-71	1000	1	BEGIN STAGE - CTH B	1948+00 - 1989+00	85852			771	14804			14804	71048
			CTH B - CTH W	1990+82 - 2052+31	55819			15113	50044			50044	5775
			CTH W - DROTNING RD	2054+30 - 2116+37	53012	233	4186		51553	4419	3700	47134	1459
			DROTNING RD - END STAGE	2118+36 - 2195+00	80968	99	2448	11293	73928	2547	2500	71381	7040
			CTH B	50+89'B' - 53+05'B'	53				5			5	48
			CTH W	50+91'W' - 53+45'W'	45				1			1	44
			CTH W / IH 39 SB EMERGENCY ACCESS	96+43'SBEA' - 99+31'SBEA'	113				2712			2712	-2599
			DROTNING RD	52+05'DR' - 56+96'DR'	81				2			2	79
			MEDIAN GRADING FOR C-13-3083 STG 1	GRADING	1612				0			0	1612
			MEDIAN GRADING FOR C-13-3084 STG 2	GRADING	326				0			0	326
			DITCH GRADING NEAR CTH BN	GRADING	95				0			0	95
			DITCH GRADING NEAR CHURCH ST	GRADING	370				0			0	370
			STAGE SUBTOTALS		**278346**	**332**	**6634**	**27177**	**193049**	**6966**	**6200**	**186083**	**85297**
		2	CROSSOVER 'X279'	1941+01'X279' - 1952+50'X279'	4667				67			67	4600
			IH 39 NB MEDIAN RESTORATION	1933+83 - 1948+00	1647				0			0	1647
			STAGE SUBTOTALS		**6314**	**0**	**0**	**0**	**67**	**0**	**0**	**67**	**6247**
			UNDISTRIBUTED			18000				18000			
			CATEGORY 1000 SUBTOTALS		284660	18332	6634	27177	193116	24966	6200	186150	91544
			PROJECT TOTALS		**284660**	**18332**	**6634**	**27177**	**193116**	**24966**	**6200**	**186150**	**91544**
					302992								

1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT BORROW
SEE CONSTRUCTION DETAILS FOR LIMITS OF EBS EXCAVATION AND PLACEMENT.
4) MARSH EXCAVATION TO BE BACKFILLED WITH SELECT BORROW IN AREAS OF WATER AS STATED IN NOTE 7. AREAS OF MARSH EXCAVATION NOT FILLED WITH SELECT BORROW TO BE BACKFILLED WITH EMBANKMENT.
SEE CONSTRUCTION DETAILS FOR LIMITS OF MARSH EXCAVATION AND PLACEMENT.
5) ROADWAY EMBANKMENT = FILL + (MARSH EXCAVATION - (SELECT BORROW - EBS))
6) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
MASS ORDINATE = CUT + EBS EXC + MARSH EXC - EMBANKMENT. THE MASS ORDINATE IS FOR INFORMATION PURFOSES ONLY AS COMMON EXCAVATION AND ROADWAY EMBANKMENT ARE NOT BALANCED FOR QUANTITY PURPOSES AND DOES NOT GUARANTEE THE QUALITY OF COMMON EXCAVATION, AND IF IT CAN BE REUSED ONSITE.
7) WHERE WATER IS ENCOUNTERED, PLACE SELECT BORROW TO AN ELEVATION 2 FEET ABOVE THE WATER LINE.

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BASE AGGREGATE ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH (TON)	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)	*312.0110 SELECT CRUSHED MATERIAL (TON)	**624.0100 WATER (MGAL)
1007-11-71	1000	1	1948+00	-	1989+29	IH 39 NB	316	12004	24199	123
			1955+52	-	1984+51	IH 39 NB MEDIAN TEMP WIDENING	-	1809	949	18
			1955+73, LT			TEMPORARY EMERGENCY MEDIAN ACCESS	22	-	-	0
			1991+27	-	2051+76	IH 39 NB	328	16981	35139	173
			1991+36	-	2049+04	IH 39 NB MEDIAN TEMP WIDENING	-	4393	1895	44
			2014+84	-	2015+16	TEMPORARY MAINTENANCE CROSSOVER	25	-	-	0
			2022+94	-	2037+19	IH 39 NB OUTSIDE TEMP WIDENING	-	1498	267	15
			2033+92, LT			TEMPORARY EMERGENCY MEDIAN ACCESS	18	-	-	0
			2043+61, RT			DRIVEWAY	42	-	-	0
			2053+63	-	2114+49	IH 39 NB MEDIAN TEMP WIDENING	-	4580	2001	46
			2053+75	-	2116+95	IH 39 NB	342	17476	36265	178
			2090+94	-	2104+78	IH 39 NB OUTSIDE TEMP WIDENING	-	1480	260	15
			2119+00	-	2195+00	IH 39 NB	403	21477	44538	219
			2119+16	-	2172+98	IH 39 NB MEDIAN TEMP WIDENING	-	4159	1767	42
			2137+73	-	2015+16	TEMPORARY MAINTENANCE CROSSOVER	50	-	-	1
			2149+50	-	2153+00	IH 39 NB OUTSIDE TEMP WIDENING	-	173	84	2
			2155+94	-	2170+19	IH 39 NB OUTSIDE TEMP WIDENING	-	1516	267	15
			2161+81, LT			TEMPORARY EMERGENCY MEDIAN ACCESS	18	-	-	0
			2174+28	-	2195+00	IH 39 NB MEDIAN TEMP WIDENING	-	990	466	10
			2187+80	-	2188+50	TEMPORARY MAINTENANCE CROSSOVER	36	-	-	0
						CTH B	-	106	-	1
						CTH W	-	69	-	1
						DROTNING RD	-	116	-	1
						CTH W / IH 39 SB EMERGENCY ACCESS	-	537	-	5
						STAGE SUBTOTALS	1601	89364	148098	910
	1000	2	1933+81	-	1948+00	IH 39 NB MEDIAN SHLD RESTORATION	132	916	301	10
			1941+01'X279'	-	1955+80'X279'	IH 39 TEMP CROSSOVER SHLD	33	3312	981	33
			1941+33'X279'	-	1954+09'X279'	IH 39 TEMP CROSSOVER	10	3548	2100	36
						STAGE SUBTOTALS	175	7775	3382	80
						UNDISTRIBUTED				111
						PROJECT TOTALS	**1776**	**97139**	**151480**	**1100**

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS
** WATER CONVERSION IS 1 MGAL/100 TON OF BASE AGGREGATE DENSE MATERIAL. USE WATER FOR BASE COMPACTION AND DUST CONTROL

CONCRETE PAVEMENT ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	415.0100 10-INCH SY	415.0120 12-INCH SY	416.0610 DRILLED TIE BARS EACH	REMARKS
1007-11-71	1000	1	1948+00	-	1989+29	IH 39 NB	-	27364	24	NB TRAVEL LANES/SHOULDERS
			1991+27	-	2051+76	IH 39 NB	-	40310	-	NB TRAVEL LANES/SHOULDERS
			2053+75	-	2116+95	IH 39 NB	-	41573	-	NB TRAVEL LANES/SHOULDERS
			2119+00	-	2195+00	IH 39 NB	-	51148	-	NB TRAVEL LANES/SHOULDERS
						STAGE SUBTOTALS	0	160395	24	
	1000	2	1941+33'X279'	-	1954+09'X279'	IH 39 NB/SB	2486	-	143	CROSSOVER
						STAGE SUBTOTALS	2486	0	143	
						PROJECT TOTALS	**2486**	**160395**	**167**	

ASPHALTIC PAVEMENT ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	LAYER THICKNESS (IN)	455.0605 TACK COAT (GAL)	460.5224 HMA PAVEMENT 4 LT 58-28 S (TON)	450.4000 HMA COLD WEATHER PAVING (TON)	
1007-11-71	1000	1	1955+52	-	1989+42	IH 39 NB MEDIAN TEMP WIDENING	4.00	66	295	74	SINGLE
			1984+66	-	1988+86	IH 39 NB OUTSIDE TEMP WIDENING	4.00	8	36	9	SINGLE
			1991+36	-	2051+66	IH 39 NB MEDIAN TEMP WIDENING	4.00	177	794	199	SINGLE
			2014+84	-	2015+16	TEMP MAINTENANCE CROSSOVER	4.00	5	24	6	SINGLE
			2022+94	-	2037+19	IH 39 NB OUTSIDE TEMP PULLOUT	4.00	68	303	76	SINGLE
			2043+61, RT			DRIVEWAY	4.00	9	40	10	SINGLE
			2048+08	-	2052+28	IH 39 NB OUTSIDE TEMP WIDENING	4.00	8	36	9	SINGLE
			2053+63	-	2117+12	IH 39 NB MEDIAN TEMP WIDENING	4.00	183	822	205	SINGLE
			2054+24	-	2056+02	IH 39 NB OUTSIDE TEMP WIDENING	4.00	3	13	3	SINGLE
			2090+94	-	2104+78	IH 39 NB OUTSIDE TEMP PULLOUT	4.00	66	297	74	SINGLE
			2112+21	-	2116+38	IH 39 NB OUTSIDE TEMP WIDENING	4.00	8	35	9	SINGLE
			2119+16	-	2172+95	IH 39 NB MEDIAN TEMP WIDENING	4.00	166	744	186	SINGLE
			2137+73	-	2138+27	TEMP MAINTENANCE CROSSOVER	4.00	11	48	12	SINGLE
			2149+50	-	2153+00	IH 39 NB OUTSIDE TEMP WIDENING	4.00	5	22	6	SINGLE
			2155+94	-	2170+19	IH 39 NB OUTSIDE TEMP PULLOUT	4.00	68	303	76	SINGLE
			2174+28	-	2195+00	IH 39 NB MEDIAN TEMP WIDENING	4.00	40	181	45	SINGLE
			2187+80	-	2188+50	TEMP MAINTENANCE CROSSOVER	4.00	8	35	9	SINGLE
			50+89'B'	-	53+05'B'	CTH B	1.75	-	21	-	LOWER
			50+89'B'	-	53+05'B'		1.75	11	21	-	UPPER
			50+91'W'	-	53+45'W'	CTH W	1.75	-	14	-	LOWER
			50+91'W'	-	53+45'W'		1.75	7	14	-	UPPER
			52+05'D'	-	56+96'D'	DROTNING RD	1.75	-	23	-	LOWER
			52+05'D'	-	56+96'D'		1.75	12	23	-	UPPER
						STAGE SUBTOTALS		929	4144	1007	
	1000	2	1941+01'X279'	-	1955+80'X279'	IH 39 TEMP CROSSOVER SHLD	4.00	53	239	60	SINGLE
						STAGE SUBTOTALS		53	239	60	
						PROJECT TOTALS		**982**	**4383**	**1067**	

CONCRETE PAVEMENT APPROACH SLAB

PROJECT NUMBER	CATEGORY	STAGE	LOCATION	415.0410 SY
1007-11-71	1000	1	B-13-713	139
			B-13-715	291
			B-13-717	331
			STAGE SUBTOTALS	762
			PROJECT TOTALS	**762**

TEMPORARY SHORING

CATEGORY	STAGE	STATION	LOCATION	511.1100 (SF)
1000	1	1993+00	LT	1200
		2055+37	LT	970
		2112+60	LT	1400
		2167+26	LT	500
		CATEGORY 1000 SUBTOTAL		4070
		PROJECT TOTAL		**4070**

RUMBLE STRIPS

PROJECT NUMBER	CATEGORY	STAGE	STATION	STATION	OFFSET	LOCATION	416.1110 CONCRETE SHOULDER RUMBLE STRIPS (LF)	COMMENTS
1007-11-71	1000	2	1934+30	1948+00	LT	IH 39 NB	1370	MEDIAN SHLDR
						STAGE SUBTOTALS	1370	
						PROJECT TOTALS	**1370**	

CULVERT ITEMS

PROJECT NUMBER	CATEGORY	STAGE	PIPE NAME	INLET STATION	INLET OFFSET	INLET ELEV. (FT)	OUTLET STATION	OUTLET OFFSET	OUTLET ELEV. (FT)	SLOPE (%)	*520.8000 CONCRETE COLLARS FOR PIPE (EACH)	522.0118 CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH (LF)	522.0124 24-INCH (LF)	522.0130 30-INCH (LF)	522.0136 36-INCH (LF)	522.0142 42-INCH (LF)	522.0148 48-INCH (LF)	522.0418 CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH (LF)	522.0424 24-INCH (LF)	522.0436 36-INCH (LF)	522.0472 72-INCH (LF)	522.0554 CULVERT PIPE REINFORCED CONCRETE CLASS V 54-INCH (LF)	524.0148 CULVERT PIPE SALVAGED 48-INCH (LF)	*522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH (EACH)	*522.1024 24-INCH (EACH)	*522.1030 30-INCH (EACH)	522.1036 36-INCH (EACH)	522.1042 42-INCH (EACH)	522.1048 48-INCH (EACH)	522.1054 54-INCH (EACH)	*504.0900 CONCRETE MASONRY ENDWALLS (CY)	*633.5200 MARKERS CULVERT END (EACH)
1007-11-71	1000	1	C91	1982+00	28.8' LT	977.76	1982+00	79.2' RT	975.58	2.02%	-	108	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1
			C90**	1984+56	88.2' RT	973.62	1984+91	40.9' LT	970.71	2.17%	1	-	-	134	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
			C93-T	1992+29	130.0' RT	961.00	1992+29	93.8' RT	959.00	5.56%	1	-	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
			C93**	1993+00	124.1' RT	958.00	1993+00	43.9' LT	957.73	0.16%	-	-	-	-	-	-	-	-	-	-	-	168	-	-	-	-	-	-	1	-	-	1
			C97**	2008+30	93.4' RT	979.59	2008+30	40.6' LT	978.92	0.50%	1	-	-	-	-	134	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
			C98**	2018+94	77.4' RT	980.35	2018+94	30.6' LT	979.74	0.57%	1	-	-	-	-	108	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
			C101	2041+00	27.5' LT	971.98	2041+00	74.5' RT	969.64	2.30%	-	-	-	-	-	-	-	102	-	-	-	-	-	2	-	-	-	-	-	-	-	1
			C102	2043+47	80.0' RT	967.83	2043+82	77.6' RT	967.13	1.94%	-	-	-	-	-	-	-	36	-	-	-	-	-	2	-	-	-	-	-	-	-	-
			C107**	2054+77	105.9' RT	930.00	2055+37	44.6' LT	929.08	0.57%	1	-	-	-	-	-	-	-	-	162	-	-	-	-	-	1	-	-	-	-	1
			C108**	2061+92	36.0' LT	932.97	2061+92	92.0' RT	931.20	1.38%	1	-	-	128	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
			C109	2062+80	22.0' LT	937.17	2062+80	82.0' RT	932.66	4.34%	-	-	-	-	-	-	-	104	-	-	-	-	-	2	-	-	-	-	-	-	-	1
			C522	2069+50	30.5' LT	928.20	2069+50	60.1' RT	928.00	0.23%	-	-	-	-	-	-	-	86	-	-	-	-	-	2	-	-	-	-	-	-	-	1
			C112**	2092+80	76.7' RT	903.65	2093+41	31.3' LT	903.28	0.30%	1	-	-	-	-	124	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
			C113	2096+00	21.6' LT	907.67	2096+00	66.4' RT	907.00	0.76%	-	-	-	-	-	-	-	88	-	-	-	-	-	2	-	-	-	-	-	-	-	1
			C114	2106+00	28.2' LT	902.27	2106+00	81.7' RT	901.20	0.97%	-	-	-	-	-	-	-	-	110	-	-	-	-	-	2	-	-	-	-	-	-	-	1
			C115A***	2112+70	29.0' LT	877.96	2113+79	137.9' RT	876.50	0.73%	2	-	-	-	-	-	-	-	-	-	200	-	12	-	-	-	-	-	-	4	1
			C115B***	2112+79	34.9' LT	877.96	2113+88	132.3' RT	876.50	0.73%	2	-	-	-	-	-	-	-	-	-	200	-	12	-	-	-	-	-	-	4	1
			C116	2116+00	39.3' LT	896.80	2116+00	90.8' RT	892.50	3.31%	-	-	-	130	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1
			C119	2127+00	41.4' LT	889.11	2127+00	94.5' RT	885.55	2.61%	-	-	-	136	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1
			-	2137+73	31.6' LT	912.66	2138+24	31.6' LT	911.74	1.85%	-	-	-	50	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
			C124-T	2157+33	41.6' LT	911.50	2157+33	27.2' LT	908.74	19.71%	1	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			C128**	2167+26	28.0' LT	891.33	2167+26	96.0' RT	889.85	1.19%	1	-	-	-	-	-	124	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
									STAGE SUBTOTALS		13	108	316	262	14	490	36	416	110	162	400	168	24	12	8	2	1	4	1	1	8	19
									PROJECT TOTALS		**13**	**108**	**316**	**262**	**14**	**490**	**36**	**416**	**110**	**162**	**400**	**168**	**24**	**12**	**8**	**2**	**1**	**4**	**1**	**1**	**8**	**19**

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS
**STAGED PIPE CONSTRUCTION. TEMPORARY PLUGS INCIDENTAL TO PIPE INSTALLATION.
***STAGED PIPE CONSTRUCTION. TEMPORARY CONNECTIONS REQUIRE A 48-INCH TO 48-INCH CONCRETE COLLAR AND A 48-INCH TO 72-INCH CONCRETE COLLAR

CULVERT ITEMS - HORIZONTAL ELLIPTICAL

PROJECT NUMBER	CATEGORY	STAGE	PIPE NAME	INLET STATION	INLET OFFSET	INLET ELEV. (FT)	OUTLET STATION	OUTLET OFFSET	OUTLET ELEV. (FT)	SLOPE (%)	*520.8000 CONCRETE COLLARS FOR PIPE (EACH)	522.2319 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 19x30-INCH (LF)	522.2324 24x38-INCH (LF)	522.2329 29x45-INCH (LF)	522.2348 48x76-INCH (LF)	523.2619 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19x30-INCH (EACH)	523.2624 24x38-INCH (EACH)	523.2629 29x45-INCH (EACH)	*504.0900 CONCRETE MASONRY ENDWALLS (CY)	*633.5200 MARKERS CULVERT END (EACH)
1007-11-71	1000	1	C124**	2157+33	27.2' LT	908.74	2157+33	76.8' RT	908.50	0.23%	1	-	104	-	-	-	1	-	-	1
			C92	53+05'B'	21.9' RT	962.75	52+72'B'	23.2' LT	962.00	1.34%	-	56	-	-	-	2	-	-	-	2
			C105	53+35'W'	22.0' RT	931.90	53+35'W'	22.0' LT	931.50	0.91%	-	-	-	44	-	-	-	2	-	2
			C105A	96+75'SBEA'	18.0' RT	944.25	96+75'SBEA'	18.0' LT	944.00	0.69%	-	-	-	36	-	-	-	2	-	2
			C117A	56+54'D'	26.0' RT	874.05	56+54'D'	26.0' LT	874.00	0.10%	-	-	-	-	52	-	-	-	4	2
			C117B	56+65'D'	26.0' RT	874.05	56+65'D'	26.0' LT	874.00	0.10%	-	-	-	-	52	-	-	-	4	2
			C117C	56+76'D'	26.0' RT	874.05	56+76'D'	26.0' LT	874.00	0.10%	-	-	-	-	52	-	-	-	4	2
									STAGE SUBTOTALS		1	56	104	80	156	2	1	4	12	13
									PROJECT TOTALS		**1**	**56**	**104**	**80**	**156**	**2**	**1**	**4**	**12**	**13**

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS
**STAGED PIPE CONSTRUCTION. TEMPORARY PLUGS INCIDENTAL TO PIPE INSTALLATION.

TEMPORARY CULVERT ITEMS

PROJECT NUMBER	CATEGORY	STAGE	INLET STATION	INLET OFFSET	INLET ELEV. (FT)	OUTLET STATION	OUTLET OFFSET	OUTLET ELEV. (FT)	SLOPE (%)	520.2024 CULVERT PIPE TEMPORARY 24-INCH (LF)	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH (EACH)	COMMENTS
1007-11-71	1000	1	1955+87	32.0' LT	956.73	1955+59	32.0' LT	956	2.61%	28	2	TEMP PIPE UNDER TEMP EMERGENCY ACCESS
			2033+82	33.0' LT	982.75	2034+02	33.0' LT	982.65	0.50%	20	2	TEMP PIPE UNDER TEMP EMERGENCY ACCESS
			2161+71	28.2' LT	910.54	2161+91	28.2' LT	910.29	1.25%	20	2	TEMP PIPE UNDER TEMP EMERGENCY ACCESS
								STAGE SUBTOTALS		68	6	
								PROJECT TOTALS		**68**	**6**	

CONCRETE BARRIER TEMPORARY ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED (LF)	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED (LF)	603.8125 CONCRETE BARRIER TEMPORARY PRECAST PINNED** (LF)	SPV.0060.200 TEMPORARY CONCRETE BARRIER GATE (EACH)	614.0905 CRASH CUSHIONS TEMPORARY (EACH)	BACK WIDTH (FT)	SIGN PLATE	CRASH TEST LEVEL	TRAFFIC LOCATION	SPV.0090.200 TRAFFIC CONTROL GAWK SCREEN FURNISHED (LF)	SPV.0090.201 TRAFFIC CONTROL GAWK SCREEN INSTALLED (LF)	SPV.0090.202 TRAFFIC CONTROL GLARE SCREEN FURNISHED (LF)	SPV.0090.203 TRAFFIC CONTROL GLARE SCREEN INSTALLED (LF)
1007-11-71	1000	1	1936+28'X271'	-	1956+12'X271'	LT	1984	1984										700	700
			1941+00'X271'	-	1955+67'X271'	RT	1467	1467			1	2	WO5-58R	TL-3	LT				
			757+46'TSB2'	-	995+19'TSB2'	LT	23773	23773		1									
			757+46'TSB2'	-	790+85'TSB2'	RT	3339	3339	2185		1	2	WO5-58R	TL-3	LT				
			1980+00	-	1989+42	LT	943	943											
			1985+48	-	1988+86	RT	338	338											
			795+53'TSB2'	-	834+65'TSB2'	RT	3912	3912											
			835+09'TSB2'	-	852+24'TSB2'	RT	1715	1715			1	2	WO5-58R	TL-3	LT				
			2048+90	-	2052+28	RT	338	338											
			2049+04	-	2051+66	LT	263	263											
			2054+24	-	2055+49	RT	125	125											
			858+69'TSB2'	-	918+63'TSB2'	RT	5994	5994								500	500		
			2113+03	-	2116+38	RT	338	338											
			2114+49	-	2117+12	LT	263	263											
			2122+50	-	2125+00	LT	250	250											
			920+57'TSB2'	-	962+00'TSB2'	RT	4143	4143								500	500		
			962+44'TSB2'	-	995+19'TSB2'	RT	3275	3275			1	2	WO5-58R	TL-3	LT				
			2172+63	-	2174+13	RT	150	150											
			2172+88	-	2173+88	LT	100	100											
			2188+50	-	2190+50	LT	200	200											
						STAGE SUBTOTALS	52,910	52,910	2,185	1	4					1,000	1,000	700	700
	1000	2	1932+69	-	1956+00	LT	2331	2331	-							-	-	-	-
			1934+82'SPM'	-	1957+00'SPM'	RT	2218	2218	-		1	2	WO5-58L	TL-3	RT	-	-	-	-
						STAGE SUBTOTALS	4549	4549	0	0	1					0	0	0	0
						PROJECT TOTALS	**57459**	**57459**	**2185**	**1**	**5**					**1000**	**1000**	**700**	**700**

**NON-BID ITEM: FOR INFORMATION ONLY

CONCRETE CURB & GUTTER

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	601.0551 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A (LF)
1007-11-71	1000	1	2153+41	-	2154+06	NB OUTSIDE SHLD	65
						STAGE SUBTOTAL	**65**
						PROJECT TOTALS	**65**

CONCRETE BARRIER

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	603.1142 TYPE S42 (LF)	SPV.0090.003 CONCRETE PAVEMENT JOINT SEALING (LF)
1007-11-71	1000	1	2174+13	-	2176+94	RT	281	281
						STAGE SUBTOTALS	281	281
						PROJECT TOTALS	**281**	**281**

SLOPE PAVING CRUSHED AGGREGATE

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	604.0500 (SY)	REMARKS
1007-11-71	1000	-	2153+51	-	2153+99	RT	55	B-13-718
						STAGE SUBTOTALS	55	
						PROJECT TOTALS	**55**	

CONCRETE BARRIER TEMPORARY LEFT IN PLACE ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	SPV.0090.204 CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE (LF)	SPV.0090.205 MAINTENANCE AND REMOVAL OF CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE BY OTHERS (LF)	614.0930 SALVAGED CRASH CUSHIONS (EACH)	614.0800 CRASH CUSHIONS PERMANENT (EACH)	BACK WIDTH (FT)	SIGN PLATE	CRASH TEST LEVEL	TRAFFIC LOCATION
1007-11-71	1000	1				CTH B	-	375	2	-				
						CTH W	-	375	2	-				
						DROTNING RD	-	363	2	-				
			1980+00			LT	-	-	-	1	2	W05-58L	TL-3	RT
			1985+48			RT	-	-	-	1	2	W05-58R	TL-3	LT
			2048+90			RT	-	-	-	1	2	W05-58R	TL-3	LT
			2049+04			LT	-	-	-	1	2	W05-58L	TL-3	RT
			2113+03			RT	-	-	-	1	2	W05-58R	TL-3	LT
			2114+49			LT	-	-	-	1	2	W05-58L	TL-3	RT
			2122+50			LT	-	-	-	1	2	W05-58L	TL-3	RT
			928+40'TSB2'			RT	-	-	-	1	2	W05-58L	TL-3	RT
			2172+63			RT	-	-	-	1	2	W05-58R	TL-3	LT
			2172+88			LT	-	-	-	1	2	W05-58L	TL-3	RT
			2188+50			LT	-	-	-	1	2	W05-58L	TL-3	RT
			993+35'TSB2'			RT	-	-	-	1	2	W05-58L	TL-3	RT
						CATEGORY 1000 SUBTOTALS	0	1113	6	12				
	1800	1	769+00'TSB2'	-	790+85'TSB2'	RT	2191	-	-	-				
			1980+00	-	1989+42	LT	943	-	-	-				
			1985+48	-	1988+86	RT	338	-	-	-				
			2048+90	-	2052+28	RT	338	-	-	-				
			2049+04	-	2051+66	LT	263	-	-	-				
			2054+24	-	2055+49	RT	125	-	-	-				
			912+19'TSB2'	-	918+63'TSB2'	RT	647	-	-	-				
			2113+03	-	2116+38	RT	338	-	-	-				
			2114+49	-	2117+12	LT	263	-	-	-				
			2122+50	-	2125+00	LT	250	-	-	-				
			920+57'TSB2'	-	928+40'TSB2'	RT	783	-	-	-				
			2172+63	-	2174+13	RT	150	-	-	-				
			2172+88	-	2173+88	LT	100	-	-	-				
			988+85'TSB2'	-	993+35'TSB2'	RT	450	-	-	-				
			2188+50	-	2190+50	LT	200	-	-	-				
						CATEGORY 1800 SUBTOTALS	7379	0	0	0				
						PROJECT TOTALS	**7379**	**1113**	**6**	**12**				

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STORM SEWER STRUCTURE SUMMARY

PROJECT NUMBER	CATEGORY	STAGE	STRUCTURE	STATION	OFFSET	FLANGE ELEVATION	TOP OF STRUCTURE ELEVATION	BOTTOM OF STRUCTURE ELEVATION	DEPTH	611.3901 INLETS MEDIAN 1 GRATE (EACH)	611.3902 INLETS MEDIAN 2 GRATE (EACH)	611.0642 INLET COVERS TYPE MS (EACH)	611.2004 MANHOLES 4-FT DIAMETER (EACH)	611.2005 MANHOLES 5-FT DIAMETER (EACH)	611.2006 MANHOLES 6-FT DIAMETER (EACH)	611.0530 MANHOLE COVERS TYPE J (EACH)	611.0545 MANHOLE COVERS TYPE L (EACH)
1007-11-71	1000	1	C87(IN)	1950+00	60.3' LT	942.86	942.19	940.65	1.542	1	-	1	-	-	-	-	-
			C94(IN)	1992+00	46.1' LT	981.33	980.66	976.75	3.913	-	1	2	-	-	-	-	-
			C100(IN)	2031+00	25.0' LT	984.35	983.68	980.78	2.899	1	-	1	-	-	-	-	-
			C104(IN)	2051+00	40.8' LT	956.66	955.99	953.65	2.343	-	1	2	-	-	-	-	-
			C110(IN)	2076+00	35.1' LT	924.30	923.63	921.84	1.795	1	-	1	-	-	-	-	-
			C121(IN)	2151+40	26.9' LT	920.30	919.63	917.35	2.282	1	-	1	-	-	-	-	-
			C122T(MH) (1)	2152+46	22.0' LT	920.80	919.56	914.53	5.032	-	-	-	-	-	1	1	-
			C122(MH) (2)	2152+67	27.0' LT	921.79	920.55	914.75	5.800	-	-	-	-	1	-	1	-
			C126(IN)	2161+40	25.9' LT	910.60	909.93	907.62	2.318	1	-	1	-	-	-	-	-
			C127(IN)	2169+40	22.7' LT	902.80	902.13	899.83	2.303	1	-	1	-	-	-	-	-
			C129T(IN)	2173+50	24.6' LT	899.63	898.96	895.88	3.082	1	-	1	-	-	-	-	-
			C130(MH)	2173+76	24.2' LT	899.38	898.54	894.70	3.843	-	-	-	-	1	-	-	1
			C130T(MH)	2174+18	39.2' LT	900.89	900.06	895.47	4.587	-	-	-	-	1	-	-	1
			C131(IN)	2178+00	22.9' LT	894.41	893.74	891.54	2.208	1	-	1	-	-	-	-	-
										8	2	12	0	3	1	2	2
		2	X279-P1	1946+48	35.3' LT	934.87	933.63	928.29	5.339	-	-	-	1	-	-	1	-
			X279-P2	1947+75	65.9' LT	937.12	936.45	930.99	5.462	1	-	1	-	-	-	-	-
										1	0	1	1	0	0	1	0
										9	**2**	**13**	**1**	**3**	**1**	**3**	**2**

** STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
*** DEPTH = FLANGE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT - BOTTOM OF STRUCTURE ELEVATION

STORM SEWER ROCK EXCAVATION

PROJECT NUMBER	CATEGORY	STAGE	STATION	STATION	608.0005 CY
1007-11-71	1000	1	2031+00	C100(IN)	60
			STAGE SUBTOTALS		60
			PROJECT TOTALS		**60**

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STORM SEWER SUMMARY

PROJECT NUMBER	CATEGORY	STAGE		INLET / RIM STATION	INLET / RIM OFFSET	INLET / RIM ELEV. (FT)	OUTLET / SUMP STATION	OUTLET / SUMP OFFSET	OUTLET / SUMP ELEV. (FT)	SLOPE (%)	*522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH (EACH)	*522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH (EACH)	*522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH (EACH)	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH (LF)	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH (LF)	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH (LF)	608.0118 RELAID STORM SEWER 18-INCH (LF)	*633.5200 MARKERS CULVERT END (EACH)
1007-11-71	1000	1	C87-SS	1950+00	60.3' LT	940.86	1950+00	95.9' RT	934.60	4.01%	1	-	-	-	-	156	-	-	-	1
			C94-SS	1992+00	46.1' LT	977.00	1992+00	101.8' RT	971.60	3.65%	-	1	-	-	148	-	-	-	-	1
			C100-SS	2031+00	25.0' LT	980.99	2031+00	69.0' RT	980.60	0.41%	1	-	-	-	-	94	-	-	-	1
			C104-SS	2051+00	40.8' LT	953.90	2051+00	81.2' RT	953.45	0.37%	-	1	-	-	122	-	-	-	-	1
			C110	2076+00	35.1' LT	922.05	2076+00	64.1' RT	921.50	0.56%	1	-	-	-	-	99	-	-	-	1
			C121	2151+40	26.9' LT	917.56	2151+40	65.1' RT	916.80	0.83%	1	-	-	-	-	92	-	-	-	1
			C122	2152+46	22.0' LT	914.82	2152+76	71.2' RT	914.00	0.84%	-	-	1	-	-	-	-	98	-	1
			C122-T	2152+67	27.0' LT	915.00	2152+46	22.0' LT	914.82	0.82%	-	-	-	-	-	-	22	-	-	-
			C126	2161+40	25.9' LT	907.82	2161+40	70.2' RT	906.60	1.27%	1	-	-	-	-	96	-	-	-	1
			C127	2169+40	22.7' LT	900.04	2169+40	75.5' RT	897.20	2.90%	1	-	-	-	-	98	-	-	-	1
			C129-T	2172+99	30.6' LT	898.50	2173+50	24.6' LT	896.19	4.44%	1	-	-	52	-	-	-	-	-	-
			C129	2173+50	24.6' LT	896.09	2173+50	71.5' RT	895.20	0.93%	1	-	-	-	-	96	-	-	-	1
			C130	2173+83	25.0' LT	894.95	2174+28	71.2' RT	894.19	0.73%	-	1	-	-	-	-	104	-	-	1
			C130-T	2174+18	39.2' LT	895.72	2173+83	25.0' LT	894.95	1.75%	-	-	-	-	44	-	-	-	-	-
			C131	2178+00	22.9' LT	891.74	2178+00	69.1' RT	891.00	0.81%	1	-	-	-	-	92	-	-	-	1
									STAGE SUBTOTAL		9	3	1	52	314	823	126	98	0	12
		2	-	1941+41'X279'	28.6' RT	928.50	1946+75'X279'	15.0' RT	924.72	0.71%	-	-	-	79	-	-	-	-	452	-
			-	1948+00'X279'	24.4' LT	931.20	1946+75'X279'	15.0' RT	928.60	1.98%	-	-	-	131	-	-	-	-	-	-
									STAGE SUBTOTAL		0	0	0	210	0	0	0	0	452	0
									PROJECT TOTALS		**9**	**3**	**1**	**262**	**314**	**823**	**126**	**98**	**452**	**12**

* ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS

3

3

DROP INLET ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	INLET OFFSET	AEW OFFSET	LOCATION	FLANGE ELEVATION	**TOP OF STRUCTURE ELEVATION	BOTTOM OF STRUCTURE ELEVATION	PIPE UNDERDRAIN OUTLET ELEVATION	DEPTH	416.1010 CONCRETE SURFACE DRAINS (CY)	521.1012 APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH (EACH)	*606.0200 RIPRAP MEDIUM (CY)	611.3220 INLETS 2X2-FT (EACH)	611.0654 INLET COVERS TYPE V (EACH)	612.0212 PIPE UNDERDRAIN UNPERFORATED 12-INCH (LF)	*645.0120 GEOTEXTILE FABRIC TYPE HR (SY)
1007-11-71	1000	-	1988+68.93	47.0' RT	114.2' RT	IH 39	986.75	985.42	983.42	965.46	2.00	1.5	1	-	1	1	71	-
			1989+25.87	11.0' LT	29.8' LT	IH 39	987.27	985.94	983.94	980.44	2.00	1.3	1	-	1	1	19	-
			2053+79.45	11.0' LT	27.0' LT	IH 39	958.39	957.06	955.06	953.36	2.00	1.3	1	-	1	1	16	-
			2054+41.05	47.0' RT	103.6' RT	IH 39	957.13	955.80	953.80	934.80	2.00	1.5	1	-	1	1	60	-
			2119+29.68	11.0' LT	21.0' LT	IH 39	903.39	902.06	900.06	899.91	2.00	1.2	1	-	1	1	10	-
						UNDISTRIBUTED						-	-	15	-	-	-	15
						STAGE SUBTOTALS						6.8	5	15	5	5	176	15
						PROJECT TOTALS						**6.8**	**5**	**15**	**5**	**5**	**176**	**15**

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS
**6-INCH ADJUSTMENT INCLUDED

FENCING ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	616.0100 FENCE WOVEN WIRE 4-FT (LF)	SPV.0060.006 EMERGENCY ACCESS GATE (EACH)	SPV.0090.001 FURNISHING TEMPORARY SNOW FENCE (LF)	SPV.0090.002 INSTALLING TEMPORARY SNOW FENCE (LF)
1007-11-71	1000	-	1948+00	-	1988+93	IH 39 NB, RT	4236	-	-	-
			1990+43	-	2052+52	IH 39 NB, RT	6598	1	-	-
			2017+00	-	2032+00	IH 39 NB, RT	-	-	1,453	1,453
			2054+13		2116+44	IH 39 NB, RT	6411	-	-	-
			2118+26		2152+52	IH 39 NB, RT	3731	-	-	-
			2155+16		2175+43	IH 39 NB, RT	2036	-	-	-
			2177+54	-	2195+55	IH 39 NB, RT	1826	-	-	-
			98+80'SBEA'	-	47+65'W'	CTH W/SB EMERGENCY ACCESS	425	1	-	-
						PROJECT TOTALS	**25263**	**2**	**1453**	**1453**

DELINEATOR ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	633.0100 DELINEATOR POSTS STEEL (EACH)	633.0500 DELINEATOR REFLECTORS (EACH)	633.1100 DELINEATOR TEMPORARY (EACH)
1007-11-71	1000	1	1940+00	-	2195+00	RT	62	62	-
			2014+65	-	2015+35	MAINTENANCE CROSSOVER	1	2	-
			2137+60	-	2138+40	MAINTENANCE CROSSOVER	1	2	-
			2187+80	-	2188+50	MAINTENANCE CROSSOVER	1	2	-
						STAGE SUBTOTALS	65	68	0
		2	1945+90'X279'	-	1951+30'X279'	CROSSOVER X279	-	-	2
						STAGE SUBTOTALS	0	0	2
						PROJECT TOTALS	**65**	**68**	**2**

TEMPORARY FENCING ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	OFFSET	616.0360.S GATES PIPE SINGLE LEAF 16-FT (EACH)	204.9060.S REMOVING GATE (EACH)
1007-11-71	1000	-	1955+75'X271'	34' RT	1	1
			834+73'TSB2'	46' RT	1	1
			962+08'TSB2'	46' RT	1	1
				PROJECT TOTALS	**3**	**3**

GUARDRAIL ITEMS

CATEGORY	STAGE	STATION	-	STATION	LOCATION	SPV.0090.004 RE-LAP GUARDRAIL (LF)
1000	1	792+33'TSB2'	-	795+53'TSB2'	RT	640
		853+78'TSB2'	-	858+69'TSB2'	RT	980
					STAGE SUBTOTAL	1620
					PROJECT TOTAL	**1,620**

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 03 MISC QTY\030200_MQ.DWG PLOT DATE : 11/8/2017 8:07 AM PLOT BY : SEH LAYOUT NAME : 08 PLOT SCALE : NTS
WISDOT/CADDS SHEET 42

EROSION CONTROL ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	*606.0200 RIPRAP MEDIUM (CY)	606.0300 RIPRAP HEAVY (CY)	628.1104 EROSION BALES (EACH)	628.1504 SILT FENCE (LF)	628.1520 SILT FENCE MAINTENANCE (LF)	628.2004 EROSION MAT CLASS I TYPE B (SY)	628.2008 EROSION MAT URBAN CLASS I TYPE B (SY)	628.2037 EROSION MAT CLASS III TYPE C (SY)	SPV.0090.150 COMPOST TUBE (LF)	628.6505 SOIL STABILIZER TYPE A (ACRE)	628.6510 SOIL STABILIZER TYPE B (ACRE)	628.7005 INLET PROTECTION TYPE A (EACH)	628.7010 INLET PROTECTION TYPE B (EACH)	628.7504 TEMPORARY DITCH CHECKS (LF)	628.7515.S STONE OR ROCK DITCH CHECKS (CY)	628.7555 CULVERT PIPE CHECKS (EACH)	628.7570 ROCK BAGS (EACH)	628.7560 TRACKING PADS (EACH)	*645.0120 GEOTEXTILE TYPE HR (SY)	645.0140 GEOTEXTILE TYPE SAS (SY)
1007-11-71	1000	1	1948+00	-	1989+29	IH 39 NB	-	5	-	569	569	1352	309	-	-	2.1	-	3	3	2625	10	14	-	-	16	60
			1991+27	-	2051+76	IH 39 NB	98	5	-	1622	1622	785	90	-	-	2.4	-	3	3	875	35	60	-	-	203	210
			2053+75	-	2116+95	IH 39 NB	80	342	166	2333	2333	7992	5670	-	953	0.4	-	3	3	1000	5	58	-	-	673	150
			2119+00	-	2195+00	IH 39 NB	212	34	596	2666	2666	13404	5354	784	4364	1.2	0.1	7	7	400	55	7	-	-	475	330
						CTH B	7	0	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	14	-
						CTH W	9	0	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	18	-
						CTH W - SBEA	27	0	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	18	-
						DROTNING RD	78	0	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	157	-
						STAGE SUBTOTALS	512	386	762	7190	7190	23532	11423	784	5317	6.1	0.1	16	16	4900	105	193	0	0	1574	750
1007-11-71	1000	2	1941+33'X279'	-	1954+09'X279'	IH 39 NB/SB	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-
						STAGE SUBTOTALS	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0
						UNDISTRIBUTED	101	84	193	1810	1810	4708	2288	166	1063	1.4	0.4	6	6	980	0	39	100	10	384	150
						PROJECT TOTALS	**613**	**470**	**955**	**9000**	**9000**	**28240**	**13710**	**950**	**6380**	**7.5**	**0.5**	**25**	**25**	**5880**	**105**	**232**	**100**	**10**	**1958**	**900**

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS

EROSION CONTROL MOBILIZATION

PROJECT NUMBER	CATEGORY	STAGE	LOCATION	628.1905 MOBILIZATION EROSION CONTROL (EACH)	628.1910 EMERGENCY MOBILIZATIONS EROSION CONTROL (EACH)
1007-11-71	1000	1	IH 39 NB	8	2
		2	IH 39 NB	2	1
			STAGE SUBTOTALS	10	3
			UNDISTRIBUTED	2	1
			PROJECT TOTALS	**12**	**4**

FINISHING ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	625.0500 SALVAGED TOPSOIL (SY)	627.0200 MULCHING (SY)	629.0205 FERTILIZER TYPE A (CWT)	630.0110 SEEDING MIXTURE NO. 10 (LB)	630.0130 SEEDING MIXTURE NO. 30 (LB)
1007-11-71	1000	1	1948+00	-	1989+29	IH 39 NB	49566	47906	31.2	434	314
			1991+27	-	2051+76	IH 39 NB	61858	60984	39.0	560	367
			2053+75	-	2116+95	IH 39 NB	62650	48989	39.5	556	386
			2119+00	-	2195+00	IH 39 NB	79617	60860	50.2	738	450
						CTH B	30	30	0.0	0.5	1
						CTH W	30	30	0.0	0.5	1
						CTH W - SBEA	222	222	0.1	3	0
						DROTNING RD	40	40	0.0	0.5	1
						STAGE SUBTOTALS	254015	219060	160	2292	1518
1007-11-71	1000	2	1941+33'X279'	-	1954+09'X279'	IH 39 NB/SB	7100	7100	4.5	-	128
						STAGE SUBTOTALS	7100	7100	4.5	0	128
						UNDISTRIBUTED	51885	43840	36	458	329
						PROJECT TOTALS	**313000**	**270000**	**200**	**2750**	**1975**

ROADWAY CLEANUP

PROJECT NUMBER	CATEGORY	LOCATION	SPV.0060.008 (EACH)
1007-11-71	1000	UNDISTRIBUTED	8
		PROJECT TOTALS	**8**

EMERGENCY RESPONSE TO TRAFFIC INCIDENT INVOLVING ROADSIDE SAFETY DEVICES

PROJECT NUMBER	CATEGORY	LOCATION	SPV.0060.204 (EACH)
1007-11-71	1000	UNDISTRIBUTED	5
		PROJECT TOTALS	**5**

GUARDRAIL AND BARRIER REPAIR ITEMS

PROJECT NUMBER	CATEGORY	LOCATION	SPV.0060.009 REPAIR STATE OWNED ABSORBING TERMINAL (EAT) (EACH)	SPV.0090.005 REPAIR STATE OWNED GUARDRAIL (LF)	SPV.0060.201 INSTALL DEPARTMENT FURNISHED CRASH CUSHION LOW MAINTENANCE (EACH)	SPV.0060.202 REPAIR STATE OWNED (EACH)	SPV.0060.203 REPAIR STATE OWNED CRASH CUSHION (EACH)	SPV.0090.206 REPAIR STATE OWNED CONCRETE BARRIER TEMPORARY PRECAST (LF)
1007-11-71	1000	UNDISTRIBUTED	6	1800		1	6	700
	1800	UNDISTRIBUTED			1			
		PROJECT TOTALS	**6**	**1800**	**1**	**1**	**6**	**700**

MOVING SIGNS

PROJECT NUMBER	CATEGORY	STAGE	SIGN #	SIGN CODE	LOCATION	638.2102 MOVING SIGNS TYPE II (EACH)	*634.0616 POSTS WOOD 4X6-INCH X 16 FT (EACH)
1007-11-71	1000	1	M01-01	D10-5A	IH 39 NB	1	-
			M01-02	D10-5A	IH 39 NB	1	-
			M02-01	D10-5A	IH 39 NB	1	-
			M02-02	D10-5A	IH 39 NB	1	-
			M02-03	D10-5A	IH 39 NB	1	-
			M02-04	D10-5A	IH 39 NB	1	-
			M02-05	D10-5A	IH 39 NB	1	-
			M02-06	D10-5A	IH 39 NB	1	-
			M03-01	D10-5A	IH 39 NB	1	-
			M03-02	D10-5A	IH 39 NB	1	-
			M03-03	D10-5A	IH 39 NB	1	-
			M03-04	D10-5A	IH 39 NB	1	-
			M03-05	D10-5A	IH 39 NB	1	-
			M03-06	D10-5A	IH 39 NB	1	-
			M04-01	D10-5A	IH 39 NB	1	-
			M04-02	D10-5A	IH 39 NB	1	-
			M04-03	D10-5A	IH 39 NB	1	-
			M04-04	D10-5A	IH 39 NB	1	-
			M04-05	D10-5A	IH 39 NB	1	-
			M04-06	D10-5A	IH 39 NB	1	-
			M05-01	D10-5A	IH 39 NB	1	-
			M05-02	D10-5A	IH 39 NB	1	-
			M05-03	D10-5A	IH 39 NB	1	-
			M05-04	D10-5A	IH 39 NB	1	-
			M06-01	D10-5A	IH 39 NB	1	-
			M06-02	D10-5A	IH 39 NB	1	-
			M06-03	D10-5A	IH 39 NB	1	-
			M06-04	D10-5A	IH 39 NB	1	-
			M06-05	D10-5A	IH 39 NB	1	-
			M06-06	D10-5A	IH 39 NB	1	-
			M07-01	D10-5A	IH 39 NB	1	-
			M07-02	D10-5A	IH 39 NB	1	-
			M07-03	D10-5A	IH 39 NB	1	-
			M07-04	D10-5A	IH 39 NB	1	-
			M07-05	D10-5A	IH 39 NB	1	-
			M07-06	D10-5A	IH 39 NB	1	-
			M08-01	D10-5A	IH 39 NB	1	-
			M08-02	D10-5A	IH 39 NB	1	-
			M08-03	D10-5A	IH 39 NB	1	-
			M08-04	D10-5A	IH 39 NB	1	-
			M08-05	D10-5A	IH 39 NB	1	-
			M08-06	D10-5A	IH 39 NB	1	-
			M09-01	D10-5A	IH 39 NB	1	-
			M09-02	D10-5A	IH 39 NB	1	-
			M09-03	D10-5A	IH 39 NB	1	-
			M09-04	D10-5A	IH 39 NB	1	-
			M10-01	D10-5A	IH 39 NB	1	-
			M10-02	D10-5A	IH 39 NB	1	-
					STAGE SUBTOTALS	**48**	**0**
		2	M01-01	D10-5A	IH 39 NB	1	-
			M02-01	D10-5A	IH 39 NB	1	-
			M03-01	D10-5A	IH 39 NB	1	-
			M03-02	D10-5A	IH 39 NB	1	-
			M04-01	D10-5A	IH 39 NB	1	-
			M04-02	D10-5A	IH 39 NB	1	-
			M04-03	D10-5A	IH 39 NB	1	-
			M04-04	D10-5A	IH 39 NB	1	-
			M04-05	D10-5A	IH 39 NB	1	-
			M04-06	D10-5A	IH 39 NB	1	-
			M05-01	D10-5A	IH 39 NB	1	-
			M05-02	D10-5A	IH 39 NB	1	-
			M05-03	D10-5A	IH 39 SB	1	-
			M05-04	R3-4B	IH 39 SB	1	-
			M06-02	D10-5A	IH 39 SB	1	-
			M07-01	D10-5A	IH 39 NB	1	-
			M07-02	D10-5A	IH 39 NB	1	-
			M08-03	D10-5A	IH 39 NB	1	-
			M09-01	R3-4B	IH 39 NB	1	-
			M09-02	D10-5A	IH 39 SB	1	-
			M09-03	R3-4B	IH 39 SB	1	-
			M10-01	D10-5A	IH 39 NB	1	-
			M10-02	D10-5A	IH 39 NB	1	-
			M11-01	D10-5A	IH 39 NB	1	-
			M12-01	D10-5A	IH 39 NB	1	-
			M13-01	D10-5A	IH 39 NB	1	-
			M13-02	D10-5A	IH 39 NB	1	-
			M14-01	D10-5A	IH 39 SB	1	-
			M15-01	D10-5A	IH 39 NB	1	-
			M15-02	D10-5A	IH 39 NB	1	-
			M16-01	D10-5A	IH 39 NB	1	-
			M17-01	D10-5A	IH 39 NB	1	-
			M17-02	R3-4B	IH 39 SB	1	-
			M17-03	R3-4B	IH 39 SB	1	1
			M18-01	D10-5A	IH 39 NB	1	-
					STAGE SUBTOTALS	**30**	**1**
					PROJECT TOTALS	**78**	**1**

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS

CONTINUED

PERMANENT SIGNING TYPE II

PROJECT NUMBER	CATEGORY	SIGN #	SIGN CODE	SIZE (INCH) X (INCH)	LOCATION	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	*634.0616 POSTS WOOD 4X6-INCH X 16 FT (EACH)	REMARKS
1007-11-71	1000	04-02	M1-94	54 X 21		7.88	2	HWY B
		08-01	R5-1	48 X 48		16.00	1	DO NOT ENTER
		08-01	R3-4A	36 X 12		3.00		EXCEPT AUTHORIZED VEH
		08-02/08-05	W5-56	18 X 18		9.00		4 SIGNS
		08-07	R5-1	48 X 48		16.00	1	DO NOT ENTER
		08-07	R3-4A	36 X 12		3.00		EXCEPT AUTHORIZED VEH
		08-08/08-11	W5-56	18 X 18		9.00		4 SIGNS
		08-06	M1-94	54 X 21		7.88	2	HWY W
		15-01	M1-94	60 X 21		8.75	2	HWY BN
		17-01	R4-3	48 X 60		20.00	2	SLOWER TRAFFIC KEEP RIGHT
		18-01	W5-52L	18 X 54		6.75	1	
					PROJECT TOTALS	**107.25**	**11**	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS

REMOVING SIGNS

PROJECT NUMBER	CATEGORY	SIGN #	SIGN MESSAGE	LOCATION	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	REMARKS
1007-11-71	1000	R02-01	NO MOTOR VEHICLES	IH 39 NB	1	1	
		R04-01	HWY B	IH 39 NB	1	2	
		R08-01	DO NOT ENTER EXCEPT AUTHORIZED VEH	IH 39 NB	1	1	
		R08-02	HWY W	IH 39 NB	1	2	
		R14-01	SLOWER TRAFFIC KEEP RIGHT	IH 39 NB	1	2	
		R15-01	NO U TURN EXCEPT AUTHORIZED VEH	IH 39 MEDIAN	1	1	MOUNTED ON SAME POST AS R15-03
		R15-02	HWY BN	IH 39 NB	1	2	
		R15-03	NO U TURN EXCEPT AUTHORIZED VEH	IH 39 MEDIAN	1	-	MOUNTED ON SAME POST AS R15-01
		R16-01	SPEED LIMIT 70	IH 39 NB	1	1	
		R18-01	EMERGENCY STOPPING ONLY	IH 39 NB	1	1	
				PROJECT TOTALS	**10**	**13**	

TEMPORARY MARKING LINE ITEMS (TRAFFIC CONTROL STAGING)

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	649.0105 PAINT 4-INCH EDGELINE WHITE (LF)	649.0105 PAINT 4-INCH EDGELINE YELLOW (LF)	649.0105 PAINT 4-INCH 12.5' SKIPS WHITE (LF)	649.0770 TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE II (EACH)	646.9000 MARKING REMOVAL LINE 4-INCH (LF)
1007-11-71	1000	1	757+46'TSB2'	-	995+19'TSB2'	IH 39 SB	-	-	-	-	53487
			1936+28'X279'	-	1956+11'X279'	IH 39 NB CROSSOVER 'X279'	-	-	-	40	-
			757+46'TSB2'	-	995+19'TSB2'	COUNTER DIRECTIONAL IH 39 SB	47544	47544	11886	110	106974
						STAGE SUBTOTALS	47544	47544	11886	150	160461
						PROJECT TOTALS		**106974**		**150**	**160461**

TEMPORARY MARKING LINE ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	649.0120 EPOXY 4-INCH EDGELINE WHITE (LF)	649.0120 EPOXY 4-INCH EDGELINE YELLOW (LF)	649.0120 EPOXY 4-INCH 12.5' SKIPS WHITE (LF)
1007-11-71	1000	-	1948+00	-	1990+00	IH 39 NB	4200	4200	1050
			1990+00	-	2053+00	IH 39 NB	6300	6300	1575
			2053+00	-	2118+00	IH 39 NB	6500	6500	1625
			2118+00	-	2195+00	IH 39 NB	7700	7700	1925
			1940+00'SPM	-	591+00'XSB'	IH 39 SB	5000	5000	1250
			591+00'XSB'	-	653+00'XSB'	IH 39 SB	6200	6200	1550
			653+00'XSB'	-	720+00'XSB'	IH 39 SB	6700	6700	1675
			720+00'XSB'	-	795+35'XSB'	IH 39 SB	7535	7535	1884
			50+50'B'	-	53+50'B'	CTH B	600	600	-
			50+50'W'	-	53+50'W'	CTH W	600	600	-
						STAGE SUBTOTALS	51335	51335	12534
						PROJECT TOTALS		**115204**	

TRAFFIC CONTROL

PROJECT NUMBER	CATEGORY	LOCATION	STAGE	DAYS	DRUMS EACH	643.0300 DRUMS DAYS	BARRICADES TYPE III EACH	643.0420 BARRICADES TYPE III DAYS	WARNING LIGHTS TYPE A EACH	643.0705 WARNING LIGHTS TYPE A DAYS	WARNING LIGHTS TYPE C EACH	643.0715 WARNING LIGHTS TYPE C DAYS	ARROW BOARDS EACH	643.0800 ARROW BOARDS DAYS	SIGNS PCMS EACH	643.1050 SIGNS PCMS DAYS	SIGNS EACH	643.0900 SIGNS DAYS	COVERING SIGNS TYPE II EACH	COVERING SIGNS TYPE II # OF CYCLES	643.0920 COVERING SIGNS TYPE II DAYS
1007-11-71	1000	IH 39	1	210	8	1680	3	630	4	840	8	1680	0	0	0	0	48	10080	0	-	0
		CTH B DETOUR	1	62	0	0	16	992	24	1488	0	0	0	0	2	28	155	9610	5	1	310
		CTH W DETOUR	1	62	0	0	24	1488	40	2480	0	0	0	0	2	28	152	9424	6	1	372
		DROTNING CLOSURE	1	62	0	0	18	1116	28	1736	0	0	0	0	2	28	16	992	0	-	0
		IH 39	2	23	66	1518	0	0	0	0	0	0	4	92	2	46	16	368	0	-	0
		UNDISTRIBUTED				102		74		106		120		8		10		426		1	8
		PROJECT TOTALS				**3300**		**4300**		**6650**		**1800**		**100**		**140**		**30900**			**690**

SAWING PAVEMENT

PROJECT NUMBER	CATEGORY	STAGE	STATION	STATION	LOCATION	690.0150 SAWING ASPHALT (LF)	690.0250 SAWING CONCRETE (LF)	REMARKS
1007-11-71	1000	1	50+89'B'	51+44'B'	LT	67	-	
			51+29'B'	51+84'B'	RT	67	-	
			52+55'B'			35	-	TRANSVERSE
			52+93'B'			29	-	TRANSVERSE
			50+91'W'	51+48'W'	RT	70	-	
			51+33'W'	51+89'W'	LT	70	-	
			53+25'W'			28	-	TRANSVERSE
			53+45'W'			26	-	TRANSVERSE
			52+05'DR'	52+68'DR'	LT	76	-	
			52+59'DR'	53+21'DR'	RT	76	-	
			56+34'DR'			22	-	TRANSVERSE
			56+96'DR'			22	-	TRANSVERSE
					STAGE SUBTOTALS	588	0	
		2	1933+81	1941+57	LT	139	638	LONGITUDINAL
			1942+57	1947+54	LT	213	284	LONGITUDINAL
			1940+99'SB'		CROSSOVER	4	-	TRANSVERSE
			1940+99'SB'	756+52'TSB2'	RT	933	505	LONGITUDINAL
					STAGE SUBTOTALS	1,289	1,427	
					PROJECT TOTALS	**1,877**	**1,427**	

CPM PROGRESS SCHEDULE

PROJECT NUMBER	CATEGORY	SPV.0060.001 BASELINE CPM PROGRESS SCHEDULE (EACH)	SPV.0060.002 CPM PROGRESS SCHEDULE UPDATES AND ACCEPTED REVISIONS (EACH)
1007-11-71	1000	0.6	10
	PROJECT TOTALS	**0.6**	**10**

REMOVING BILLBOARDS

PROJECT NUMBER	CATEGORY	STAGE	LOCATION	SPV.0060.003 (EACH)	REMARKS
1007-11-71	1000	1	2007+32, RT	1	1-1
			STAGE SUBTOTALS	1	
			PROJECT TOTALS	**1**	

TEST PITS

PROJECT NUMBER	CATEGORY	LOCATION	SPV.0060.004 1007-11-71 (EACH)	*312.0110 SELECT CRUSHED MATERIAL (TON)
1007-11-71	1000	UNDISTRIBUTED	16	32
		PROJECT TOTALS	**16**	**32**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

DEPARTMENT OWNED FIELD OFFICE EQUIPMENT AND MAINTENANCE

PROJECT NUMBER	CATEGORY	SPV.0060.007 (EACH)	REMARKS
1007-11-71	1000	0.6	PRORATED WITH PROJECT 1007-11-76
PROJECT TOTAL		0.6	

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

PROJECT NUMBER	CATEGORY	STAGE	LOCATION	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS (EACH)	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES (EACH)
1007-11-71	1000		CROSSOVER X279	100	100
			PROJECT TOTALS	**100**	**100**

SURVEY PROJECT 1007-11-71 WITH OPTIONAL AMG FOR CONCRETE PAVEMENT AND BASE COURSE

PROJECT NUMBER	CATEGORY	SPV.0105.001 (LS)
1007-11-71	1000	1
STAGE SUBTOTALS		1
PROJECT TOTALS		**1**

CONCRETE PAVEMENT JOINT LAYOUT PROJECT 1007-11-71

PROJECT NUMBER	CATEGORY	415.5110.S.001 (LS)
1007-11-71	1000	1
PROJECT TOTALS		**1**

3

ITS PULL BOX & COMMUNICATIONS VAULT ITEMS

EQUIPMENT CODE	STATION	OFFSET	653.0154 PULL BOXES NON-CONDUCTIVE 24x36-INCH EACH	653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH	673.0110 COMMUNICATIONS VAULT TYPE ROUND EACH	673.0200 TRACER WIRE MARKER POSTS EACH
CATEGORY 1200						
EXCV-1	1948+10 'NB'	RT			EXISTING	
CV-1	1967+70 'NB'	RT	---	---	1	1
EXPB-1	1967+40 'NB'	RT			EXISTING	
EXPB-2	1966+95 'NB'	RT			EXISTING	
CV-2	1987+50 'NB'	RT	---	---	1	1
PB-1	1988+90 'NB'	RT	---	1	---	---
PB-2	1990+70 'NB'	RT	---	1	---	---
CV-3	2006+80 'NB'	RT	---	---	1	1
CV-4	2026+90 'NB'	RT	---	---	1	1
CV-5	2047+00 'NB'	RT	---	---	1	1
PB-3	2052+40 'NB'	RT	---	1	---	---
PB-4	2054+25 'NB'	RT	---	1	---	---
CV-6	2066+55 'NB'	RT	---	---	1	1
CV-7	2086+70 'NB'	RT	---	---	1	1
CV-8	2106+75 'NB'	RT	---	---	1	1
PB-5	2116+10 'NB'	RT	---	1	---	---
PB-6	2118+65 'NB'	RT	---	1	---	---
CV-9	2121+40 'NB'	RT	---	---	1	1
CV-10	2137+00 'NB'	RT	---	---	1	1
CV-11	2153+10 'NB'	RT	---	---	1	1
PB-7	2153+20 'NB'	RT	1	---	---	---
CV-12	2173+00 'NB'	RT	---	---	1	1
PB-8	2173+75 'NB'	RT	1	---	---	---
PB-9	2174+05 'NB'	RT	1	---	---	---
EXPB-3	2174+30 'NB'	RT			EXISTING	
EXPB-4	2174+30 'NB'	RT			EXISTING	
CV-13	2192+60 'NB'	RT	---	---	1	1
TOTALS			3	6	13	13

3

ITS CONDUIT ITEMS

FROM	TO	LINEAR DISTANCE LF	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	671.0132 CONDUIT HDPE 3-DUCT 2-INCH LF	671.0232 CONDUIT HDPE DIRECTIONAL BORE 3-DUCT 2-INCH LF
CATEGORY 1200						
EXCV-1	CV-1	2000	---	---	2000	---
CV-1	EXPB-2	65	65	---	---	---
EXPB-2	CP-1	60	60	60	---	---
EXPB-2	EXPB-1	60		EXISTING		
EXPB-1	EXMB-1	10		EXISTING		
CV-1	CV-2	2000	---	---	2000	---
CV-2	QP-1	50	---	---	50	---
QP-1	QP-2	300	---	---	---	300
PB-1	PB-2	185		SEE BRIDGE PLANS B-13-713		
QP-2	CV-3	1565	---	---	1565	---
CV-3	CV-4	2000	---	---	2000	---
CV-4	CV-5	2000	---	---	2000	---
CV-5	QP-3	515	---	---	515	---
QP-3	QP-4	270	---	---	---	270
PB-3	PB-4	185		SEE BRIDGE PLANS B-13-715		
QP-4	CV-6	1155	---	---	1155	---
CV-6	CV-7	2000	---	---	2000	---
CV-7	CV-8	2000	---	---	2000	---
CV-8	QP-5	885	---	---	885	---
QP-5	QP-6	350	---	---	---	350
PB-5	PB-6	265		SEE BRIDGE PLANS B-13-717		
QP-6	CV-9	360	---	---	360	---
CV-9	CV-10	1600	---	---	1600	---
CV-10	CV-11	1600	---	---	1600	---
CV-11	PB-7	30	---	30	---	---
PB-7	MB-1	30	30	---	---	---
PB-7	CP-2	30	30	30	---	---
CV-11	QP-7	40	---	---	40	---
QP-7	QP-8	75	---	---	---	75
QP-8	CV-12	1875	---	---	1875	---
CV-12	PB-8	65	---	65	---	---
PB-8	DP-1	20	---	20	---	---
DP-1	PB-9	25	50	---	---	---
PB-9	DMS-13-0055	30	---	60	---	---
DP-1	EXPB-3	35	35	---	---	---
EXPB-3	EXMB-2	15		EXISTING		
CV-12	QP-9	290	---	---	290	---
QP-9	QP-10	75	---	---	---	75
QP-10	CV-13	1635	---	---	1635	---
TOTALS			270	265	23570	1070

ITS CABLE ITEMS

FROM	TO	LINEAR DISTANCE LF	CABLE SLACK ELECTRICAL LF	NUMBER OF WIRES/CABLES EACH	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF	674.0400 REINSTALL CABLE LF
CATEGORY 1200								
EXCV-1	CV-1	2000	6	1	2006	---	---	---
CV-1	EXPB-2	65	6	1	71	---	---	---
EXPB-2	CP-1	60	6	1 (LOCATE) 1 (REINSTALL)	66	---	---	60
EXPB-2	EXPB-1	60	6	1	66	---	---	---
EXPB-1	EXMB-1	10	6	1	16	---	---	---
CV-1	CV-2	2000	6	1	2006	---	---	---
CV-2	QP-1	50	6	1	56	---	---	---
QP-1	QP-2	300	---	1	300	---	---	---
PB-1	PB-2	185			SEE BRIDGE PLANS B-13-713			
QP-2	CV-3	1565	---	1	1565	---	---	---
CV-3	CV-4	2000	6	1	2006	---	---	---
CV-4	CV-5	2000	6	1	2006	---	---	---
CV-5	QP-3	515	6	1	521	---	---	---
QP-3	QP-4	270	---	1	270	---	---	---
PB-3	PB-4	185			SEE BRIDGE PLANS B-13-715			
QP-4	CV-6	1155	---	1	1155	---	---	---
CV-6	CV-7	2000	6	1	2006	---	---	---
CV-7	CV-8	2000	6	1	2006	---	---	---
CV-8	QP-5	885	6	1	891	---	---	---
QP-5	QP-6	270	---	1	270	---	---	---
PB-5	PB-6	265			SEE BRIDGE PLANS B-13-717			
QP-6	CV-9	360	---	1	360	---	---	---
CV-9	CV-10	1600	6	1	1606	---	---	---
CV-10	CV-11	1600	6	1	1606	---	---	---
CV-11	PB-7	30	6	1	36	---	---	---
PB-7	MB-1	30	50 (POWER) 6 (LOCATE)	3 (POWER) 1 (LOCATE)	36	240	---	---
PB-7	CP-2	30	30 (POWER) 6(LOCATE)	3 (POWER) 1 (LOCATE)	36	180	---	---
CV-11	QP-7	40	6	1	46	---	---	---
QP-7	QP-8	75	---	1	75	---	---	---
QP-8	CV-12	1875	---	1	1875	---	---	---
CV-12	PB-8	65	6	1	71	---	---	---
PB-8	DP-1	20	6	1	26	---	---	---
DP-1	PB-9	25	30 (POWER) 6(LOCATE)	4 (POWER) 1 (LOCATE)	31	---	220	---
PB-9	DMS-13-0055	30	30 (POWER) 6(LOCATE)	4 (POWER) 1 (LOCATE)	36	---	240	---
DP-1	EXPB-3	35	6	1 (LOCATE) 1 (REINSTALL)	41	---	---	35
EXPB-3	EXMB-2	15	6	1	21	---	---	---
CV-12	QP-9	290	6	1	296	---	---	---
QP-9	QP-10	75	6	1	81	---	---	---
QP-10	CV-13	1635	6	1	1641	---	---	---
TOTALS					25203	420	460	95

ITS DEVICES & COMMUNICATION ITEMS

ITEM ID	EQUIPMENT CODE	STATION	OFFSET	654.0105 CONCRETE BASES TYPE 5 EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5 ALUMINUM EACH	672.0250 BASE CAMERA POLE 50-FT EACH	673.0225.S INSTALL POLE MOUNTED CABINET EACH	675.0300 INSTALL MOUNTED CONTROLLER MICROWAVE DETECTOR ASSEMBLY EACH	677.0150 INSTALL CAMERA POLE 50-FT EACH	677.0200 INSTALL CAMERA ASSEMBLY EACH	678.0600 INSTALL ETHERNET SWITCHES EACH	678.0800 INSTALL CELLULAR MODEMS EACH	SPV.0105.403 RELOCATE SOLAR-POWERED BLUETOOTH SENSOR LS
CATEGORY 1200														
CCTV-13-0101	CP-1	1966+45 'NB'	RT	---	---	---	1	1	---	1	1	1	1	---
SDS-13-0133	CP-1	1966+45 'NB'	RT	---	---	---	---	---	2	---	---	---	---	---
CCTV-13-0112	CP-2	2153+50 'NB'	RT	---	---	---	1	1	---	1	1	---	1	---
SDS-13-0134	DP-1	2174+00 'NB'	RT	1	1	1	---	1	2	---	---	1	1	---
CATEGORY 1200 SUBTOTALS				1	1	1	2	3	4	2	2	2	3	0
CATEGORY 1810														
WDS-0004	DP-1	2174+00 'NB'	RT	---	---	---	---	---	---	---	---	---	---	1
CATEGORY 1810 SUBTOTALS				0	0	0	0	0	0	0	0	0	0	1
TOTALS				1	1	1	2	3	4	2	2	2	3	1

*ADDITIONAL QUANTITIES OF SAME ITEM SHOWN ELSEWHERE

ITS POWER CONNECTION ITEMS

ITEM ID	EQUIPMENT CODE	STATION	OFFSET	656.0200.400 ELECTRICAL SERVICE METER BREAKER PEDESTAL (CCTV-13-0112) LS	656.0500.400 ELECTRICAL SERVICE METER BREAKER DISCONNECT BOX (CCTV-13-0112) LS
CATEGORY 1200					
CCTV-13-0112	MB-1	2152+80 'NB'	RT	1	1
TOTALS				1	1

3

ITS DMS ITEMS

ITEM ID	EQUIPMENT CODE	STATION	OFFSET	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	678.0100.S INSTALL OVERHEAD FREEWAY DMS FULL MATRIX EACH	SPV.0105.402 SALVAGE ROADSIDE DMS LS
CATEGORY 1200						
EXISTING DMS-13-0041	EXDMS-1	2174+20 'NB'	RT	3	---	---
DMS-13-0055	DMS-1	2174+20 'NB'	OH	---	1	---
CATEGORY 1200 SUBTOTALS				3	1	0
CATEGORY 1810						
EXISTING DMS-13-0041	EXDMS-1	2174+20 'NB'	RT	---	---	1
CATEGORY 1810 SUBTOTALS				0	0	1
TOTALS				3	1	1

ITS REMOVAL - LINEAR FOOT ITEMS

FROM	TO	LINEAR DISTANCE LF	674.0300 REMOVE CABLE LF
CATEGORY 1200			
EXCP-1	EXPB-2	30	60
EXDMS-1	EXPB-4	10	10
EXPB-4	EXPB-3	25	25
TOTALS			95

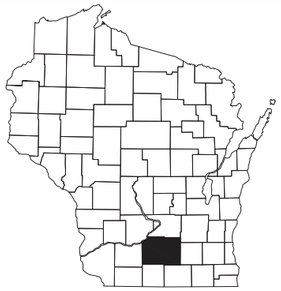
3

ITS MISCELLANEOUS ITEMS

ITEM ID	EQUIPMENT CODE	STATION	OFFSET	670.0100.400 FIELD SYSTEM INTEGRATOR (ITS) LS	670.0200.400 ITS DOCUMENTATION (ITS) LS
CATEGORY 1200					
UNDISTRIBUTED	---	---	---	1	1
TOTALS				1	1

REMOVE & SALVAGE - EACH AND LUMP SUM ITEMS

ITEM ID	EQUIPMENT CODE	STATION	OFFSET	653.0905 REMOVING PULL BOXES EACH	SPV.0060.401 REMOVE POLES WOOD EACH	SPV.0105.401 SALVAGE ITS EQUIPMENT LUMP SUM
CATEGORY 1200						
CCTV-13-0101	EXCP-1	1966+70 'NB'	RT	---	1	---
EXPB-4	EXPB-4	2174+25 'NB'	RT	1	---	---
CATEGORY 1200 SUBTOTALS				1	1	0
CATEGORY 1810						
CCTV-13-0101	EXCP-1	1966+70 'NB'	RT	---	---	1
CATEGORY 1810 SUBTOTALS				0	0	1
TOTALS				1	1	1



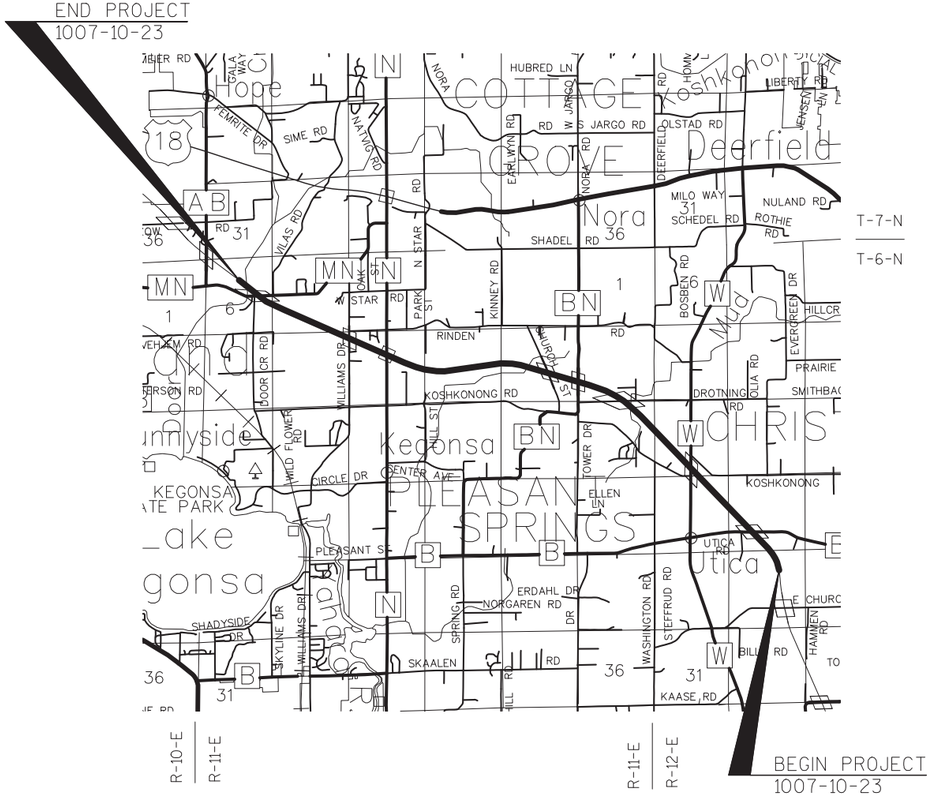
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

PROJECT 1007-10-23
ILLINOIS STATE LINE - MADISON

(EAST CHURCH ROAD TO CTH AB)

I-39/90
DANE COUNTY



CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
R/W WIDTH TO PREVIOUS PROJECT RL

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES
ELECTRIC POLE
TELEPHONE POLE
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)
ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
BRIDGE

R/W STANDARD
R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

PARCEL NUMBER 25
UTILITY NUMBER 40

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF BEGINNING	POB
ACRES	AC.	POINT OF CURVATURE	PC
AND OTHERS	ET AL	POINT OF COMPOUND CURVE	PCC
BUILDING	B	POINT OF INTERSECTION	PI
CERTIFIED SURVEY MAP	CSM	PROPERTY LINE	P.L.
COUNTY TRUNK HIGHWAY	CTH	RECORDED AS	(100')
CORNER	COR.	REFERENCE	REF.
DOCUMENT NUMBER	DOC.	REFERENCE LINE	RL
EXISTING	EX	REMAINING	REM.
GRID NORTH	GN	RIGHT	RT
INTERSECTION	INT.	RIGHT OF WAY	R/W
LEFT	LT	POINT	PNT.
MISCELLANEOUS	MISC.	SECTION	SEC.
MONUMENT	MON	STATION	STA.
NATIONAL GEODETIC SURVEY	NGS	TANGENT	TAN.
NUMBER	NO.	TEMPORARY LIMITED EASEMENT	TLE
PAGE	P.	TRAVERSE	TRAV.
POINT OF TANGENCY	PT	VOLUME	V.
PERMANENT LIMITED EASEMENT	PLE		

CURVE DATA

LONG CHORD	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

WATER —W—
GAS —G—
TELEPHONE —T—
OVERHEAD TRANSMISSION LINES —OH—
ELECTRIC —E—
CABLE TELEVISION —TV—
FIBER OPTIC —FO—
SANITARY SEWER —SAN—
STORM SEWER —SS—

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83(2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368501), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING ACCESS CONTROL ALONG WILLIAMS DRIVE HAS BEEN ESTABLISHED FROM PLEASANT OAKS SUBDIVISION PLAT.

EXISTING ACCESS CONTROL ALONG RINDEN ROAD HAS BEEN ESTABLISHED FROM PLEASANT OAKS SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH B ESTABLISHED FROM PREVIOUS DANE COUNTY PROJECT NO.15023_1969, CSM 11876, CSM 10889 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR UTICA ROAD ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, CHRISTIANA BOOK, PAGE 91 AND CSM 8022.

EXISTING HIGHWAY RIGHT-OF-WAY FOR KOSHKONONG ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, BELL VIEW SUBDIVISION PLAT, CSM 2615, CSM 12246 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH W ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND CSM 12406.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DROTNING ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 9144 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR STRAUS DRIVE ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, PLEASANT SPRINGS BOOK, PAGES 99-100, CSM 7384, CSM 9144 AND CSM 10412.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH BN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 8417 AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CHURCH STREET ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 920, CSM 9170, CSM 10311, CSM 12691 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RINDEN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 2589 AND CSM 7650.

EXISTING HIGHWAY RIGHT-OF-WAY FOR WILLIAMS DRIVE ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PLEASANT OAKS SUBDIVISION PLAT, CSM 800, CSM 6287 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR LUNDE LANE ESTABLISHED FROM DOC.4439138 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH MN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, ROIDT SUBDIVISION PLAT AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DOOR CREEK ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND ROIDT SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY FOR ROIDT DRIVE ESTABLISHED FROM ROIDT SUBDIVISION PLAT.

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 1007-10-23.

PROJECT NUMBER 1007-10-23-4.08
SHEET 2 of 2

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040100_RP.DWG
APPRAISAL PLAT DATE : 12/10/2014
PLOT DATE : 12/10/2014
PLOT BY : OTIE
PLOT SCALE : 1:100

1007-10-23-4.00

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

SCHEDULE OF LANDS & INTERESTS REQUIRED								OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES	
1	DOUGLAS O. NELSON & CARIE J. NELSON THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE	0.134	---	0.134	---	---	
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED								

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.01

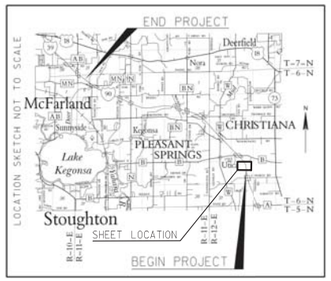
THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 29, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5219192
03/08/2016 8:54 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.01
AMENDMENT NO:___

ALUMINUM MONUMENT FOUND
Y = 447639.843
X = 896781.904

SEE TPP 1007-10-23-4.02

1 1/4" REBAR SET
Y = 442367.267
X = 896732.968

STONE MONUMENT FOUND
Y = 442375.796
X = 894069.789

3/4" REBAR FOUND
Y = 442365.617
X = 899438.167

S89°48'59"E, 2219.79' MON TO R/W
S89°48'59"E, 443.41' R/W TO MON
S89°57'54"E, 319.89' MON TO TAN.
N89°57'54"W, 2218.10' MON TO R/W
S89°57'54"E, 167.22' TAN. TO R/W
TAN. RL S43°28'16"E, 245.91' PT TO TRAV. PNT.
RL=N43°28'16"W, 1975'
PT: 1974+34.96
PI STA.1965+27.98
LOT 1 CSM 12802 V.81, P.91-92 DOC.4611825
SECTION LINE
STA. 1971+97.97
1/16 LINE
STA. 1957+24.85
1/4 LINE
STA. 1943+86.77
S2°03'11"E, 1314.59' MON TO R/W
S0°40'57"W, 979.67' MON TO R/W
N0°30'45"W, 4322.02' MON TO R/W
N2°03'11"W, 973.57' MON TO R/W

TOWN
NE-NW
NW-NE
NE-NE
OF
SE-NW
SW-NE
SE-NE
CHRISTIANA

PI STA = 1965+27.98
Y = 441837.195
X = 897555.182
DELTA = 37°12'12" LT
D = 1°58'33"
T = 976.05'
L = 1883.02'
R = 2900.00'
PC STA = 1955+51.93
PT STA = 1974+34.96
DA = N43°28'16"W

66' ACCESS EASEMENT DOC.4609166

EXISTING RL FOR PROJECT I-90-3(29)140
RAMP "W" RL FOR PROJECT I-90-3(29)140
EXISTING AUXILIARY RL FOR PROJECT I-90-3(29)140
RAMP "E" RL FOR PROJECT I-90-3(29)140
RAMP "C" RL FOR PROJECT I-90-3(29)140
I-39/90
PC: 1955+51.93
RL=N6°16'04"W
PT: 1947+80.35
S78°18'08"W, 221.76' R/W TO RL
S78°18'08"W, 216.03' RL TO R/W
N6°16'04"W, 49.87' PT TO TRAV. PNT. AT STA.1948+30.22
SEE SHEET 4.03
SIGN

SIGN NUMBER	SIGN OWNER	OASIS NO.
1-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE DOUGLAS O. NELSON & CARIE J. NELSON	14431

6" x 6" STONE MONUMENT RESET
Y = 439718.052
X = 894041.936

CALCULATED POSITION BASED ON FOUND WITNESS MONUMENT
Y = 437065.940
X = 896780.393

6" X 6" STONE MONUMENT FOUND
Y = 439705.330
X = 899533.534

SEE TPP 1007-10-21-4.23

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

R/W COURSE TABLE		
IP182-101	S43°28'23"E	714.85'
101-102	SEE CURVE DATA IN TABLE	
102-103	S88°53'58"E	294.00'
103-104	SEE CURVE DATA IN TABLE	
104-105	S2°03'11"E	373.75'
105-106	S88°59'23"W	896.78'
106-107	SEE CURVE DATA IN TABLE	
107-108	S49°21'10"W	177.50'
108-109	SEE CURVE DATA IN TABLE	
110-111	N3°39'51"W	490.73'
111-112	N13°25'54"W	253.92'
112-113	N13°25'54"W	26.07'
113-114	SEE CURVE DATA IN TABLE	
114-115	SEE CURVE DATA IN TABLE	
115-116	N11°49'23"W	104.89'

R/W STATION & OFFSET TABLE		
IP182	1970+90.06	142.78'
101	1964+42.88	307.15'
102	1956+03.86	1324.68'
103	1955+76.30	1615.73'
104	1955+36.63	1832.80'
105	1951+63.89	1805.33'
106	1952+46.07	912.33'
107	1952+07.70	601.90'
108	1951+07.48	455.41'
109	1948+51.21	220.77'
110	1948+09.78	215.06'
111	1953+00.00	192.77'
112	1955+51.93	224.43'
113	1955+80.00	227.56'
114	1964+04.24	766.16'
115	1976+26.06	607.86'
116	1977+15.36	552.83'

CURVE TABLE				
CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	2779.93'	1487.93'	1470.24'	S58°48'24"E
C2	2719.93'	223.72'	223.66'	S82°29'46"E
C3	734.00'	315.21'	312.79'	S76°41'14"W
C4	709.00'	351.04'	347.46'	S36°12'33"W
C5	1980.08'	871.69'	864.67'	N53°02'04"W
C6	1980.08'	988.37'	978.14'	N26°07'22"W

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP180	441768.837	897537.730	1" IRON ROD-"T"
IP181	441841.799	897551.278	1" IRON ROD-"T"
IP182	442366.970	897220.073	0.75" REBAR

GN

0 200 400
SCALE, FEET

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 2/26/2016 DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 3/04/2016 D

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040101_RP.DWG
APPRAISAL PLAT DATE : 2/26/2016
PLOT DATE : 2/26/2016 12:45 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : **********

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.02

THAT PART OF LOT 1, CSM 10889, LOCATED IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF LOT 2, CSM 10889, LOCATED IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 AND THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 20, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)14.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH B ESTABLISHED FROM PREVIOUS DANE COUNTY PROJECT NO. 15023_1969, CSM 11876, CSM 10889 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR UTICA ROAD ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, CHRISTIANA BOOK, PAGE 91 AND CSM 8022.

R/W STATION & OFFSET TABLE

201	1977+15.36	552.83'
202	1979+02.79	437.30'
203	1984+40.00	214.19'
204	1992+07.84	240.00'
205	1992+35.79	269.37'
206	1988+36.79	150.00'
207	1986+00.00	135.00'
208	1977+89.28	135.00'
209	1974+34.96	135.00'
IP286	1970+90.06	142.78'
210	1991+37.23	165.79'

R/W COURSE TABLE

201-202	N11°49'23"W	220.17'
202-203	SEE CURVE DATA ON SHEET	
203-204	N45°23'46"W	768.27'
204-205	N89°53'52"W	40.54'
206-207	S39°50'47"E	237.27'
207-208	S43°28'16"E	810.72'
208-209	S43°28'16"E	354.33'
209-IP286	S41°17'43"E	361.29'
204-210	S89°53'52"E	102.43'

TLE STATION & OFFSET TABLE

T250	1990+00.00	233.01'
T251	1990+00.00	245.00'
T252	1991+31.13	250.00'
T253	1991+33.44	237.50'
T254	1991+99.06	305.00'

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP280	443669.414	895422.473	2" IRON PIPE
IP281	443666.133	895988.244	0.75" REBAR
IP282	443665.099	896549.385	0.75" REBAR
IP283	443664.843	896744.797	0.75" REBAR
IP284	443036.943	896585.017	0.75" REBAR/ALUM. CAP
IP285	442950.742	896666.745	0.75" IRON PIPE
IP286	442366.970	897220.073	0.75" REBAR

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
1	DOUGLAS O. NELSON & CARIE J. NELSON THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE, TLE	1.073	0.122	1.195	0.117	---
3	TIMOTHY CAIRNS	FEE	0.350	---	0.350	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 2/26/2016 DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 3/04/2016 DATE

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
221	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS

202 WISCONSIN POWER AND LIGHT COMPANY
V.243, P.495, DOC.826825 - PARCEL 1
V.399, P.413, DOC.1086349 - PARCEL 1, 3

221 FRONTIER COMMUNICATIONS OF WI LLC
V.361, P.342, DOC.1024155 - PARCEL 1, 3

SIGN SCHEDULE

SIGN NUMBER	SIGN OWNER	OASIS NO.
1-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE DOUGLAS O. NELSON & CARIE J. NELSON	14431

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5219198
03/08/2016 9:18 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.02
AMENDMENT NO:___

ALUMINUM MONUMENT FOUND
Y = 447639.843
X = 896781.904

STONE MONUMENT FOUND
Y = 442375.796
X = 894069.789

1 1/4" REBAR SET
Y = 442367.267
X = 896732.968

3/4" REBAR FOUND
Y = 442365.617
X = 899438.167

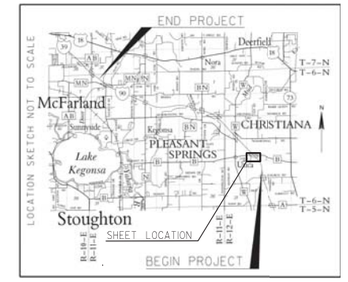
PI STA = 1965+27.98
Y = 441837.195
X = 897555.182
DELTA = 37°12'12" LT
D = 1°58'33"
T = 976.05'
L = 1883.02'
R = 2900.00'
PC STA = 1955+51.93
PT STA = 1974+34.96
DA = N43°28'16"W

R = 1840.08'
L = 584.15'
LCB = N20°55'03"W
LC = 581.70'

TAN. RL
S43°28'16"E, 245.91'
PT TO TRAV. PNT.

PT STA. 1974+34.96

TAN. RL N43°28'16"W, 230.14'
PT TO TRAV. PNT.



CHRISTIANA

SEE SHEET 4.03

SEE TPP 1007-10-23-4.01

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040102_RP.DWG
APPRAISAL PLAT DATE : 2/26/2016
PLOT DATE : 2/26/2016 2:46 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : **********

1007-10-23-4.02

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH B ESTABLISHED FROM DANE COUNTY PROJECT NO. 15023_1969, CSM 11876, CSM 10889 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR UTICA ROAD ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, CHRISTIANA BOOK, PAGE 91 AND CSM 8022.

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.03

THAT PART OF LOT 1, CSM 11876, LOCATED IN THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF LOT 2, CSM 11876, LOCATED IN THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 AND IN THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 20, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5219199
03/08/2016 9:20 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.03
AMENDMENT NO:___

SEE TPP 1007-10-23-4.04

STONE MONUMENT FOUND
Y = 445029.281
X = 894106.018

N89°59'29"E, 133.66' MON TO R/W
N89°59'29"E, 289.33' R/W TO RL
N89°59'29"E, 192.97' RL TO R/W
S89°59'29"W, 4713.01' MON TO R/W

STONE MONUMENT FOUND
Y = 445030.084
X = 899434.988

STA. 2008+57.50

SECTION LINE

1/4 LINE

STA. 1995+60.88

1/16 LINE

TOWN OF CHRISTIANA

NW-SW NE-SW

POT 2008+57.50
Y = 445029.345
X = 894529.002

RL=N43°28'16"W

EXISTING RL FOR PROJECT I-90-3(29)140

I-39/90

2010 2005 2000 1995

SIGN NUMBER	SIGN OWNER	OASIS NO.
1-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE DOUGLAS O. NELSON & CARIE J. NELSON	14431

R/W STATION & OFFSET TABLE		
301	2010+56.52	210.00'
302	2007+24.76	140.07'
303	2004+95.00	125.00'
304	2001+50.00	145.00'
305	1995+00.00	160.00'
306	1989+18.38	160.00'
307	1993+14.05	255.00'
308	1995+75.00	210.00'
309	1999+10.00	240.00'
310	2004+00.00	210.00'

R/W COURSE TABLE		
302-303	S39°43'10"E	230.25'
303-304	S46°47'20"E	345.58'
304-305	S44°47'35"E	650.17'
305-306	S43°28'16"E	581.62'
307-308	N33°41'13"W	264.80'
308-309	N48°35'18"W	336.34'
309-310	N39°58'03"W	490.92'
310-P311	N43°28'16"W	525.00'
P311-P314	N43°28'16"W	50.00'
P314-301	N43°28'16"W	81.52'

PLE STATION & OFFSET TABLE		
P311	2009+25.00	210.00'
P312	2009+25.00	225.00'
P313	2009+75.00	225.00'
P314	2009+75.00	210.00'

PLE COURSE TABLE		
P311-P312	S46°31'44"W	15.00'
P312-P313	N43°28'16"W	50.00'
P313-P314	N46°31'44"E	15.00'

GN

0 100 200
SCALE, FEET

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP380	443745.930	894753.454	1" IRON PIPE/ALUM CAP
IP381	443743.123	894903.783	1" IRON PIPE/ALUM CAP
IP382	443742.487	894938.536	0.75" REBAR
IP383	443806.726	895419.323	1.25" IRON PIPE
IP384	444307.034	894945.784	0.75" REBAR
IP385	444402.966	894854.764	1" IRON PIPE/ALUM CAP
IP386	444542.454	894763.810	1" IRON PIPE/ALUM CAP
IP387	443954.570	896590.471	0.5" IRON PIPE
IP388	443954.700	896603.479	0.75" REBAR

LOT 1 CSM 11876 V.73, P.11-13 DOC.4220962

LOT 2 CSM 11876 V.73, P.11-13 DOC.4220962

1 PLE - DRAINAGE 0.017 AC.

B-13-164 B-13-712 REQ'D.

B-13-165 B-13-713 REQ'D.

CTH B

STA. 1990+25.65

N17°58'03"W, 35.00' TRAV. PNT. TO R/W

UTICA ROAD 66'

N89°54'44"W, 372.68' RL TO TRAV. PNT.

N89°54'44"W, 213.99' TRAV. PNT. TO RL

S36°28'59"E, 40.49' R/W TO TRAV. PNT.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
1	DOUGLAS O. NELSON & CARIE J. NELSON THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE, PLE	1.886	0.037	1.923	---	0.017
2	JASON J. SCHLIECKAU & SHAWN L. SCHLIECKAU	FEE	0.232	---	0.232	---	---
4	THE ESTATE OF ANNA C. NELSON AND THE ESTATE OF BURLYN G. NELSON	FEE	0.060	0.065	0.125	---	---
5	JACK T. OLSON	FEE	0.550	---	0.550	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
221	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS

202 WISCONSIN POWER AND LIGHT COMPANY
V.399, P.413, DOC.1086349 - PARCEL 1, 2, 4, 5

221 FRONTIER COMMUNICATIONS OF WI LLC
V.361, P.342, DOC.1024155 - PARCEL 1, 2, 4, 5

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE
REGISTRATION NUMBER: S-2530
2/26/2016 DATE

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER
3/04/2016 DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, FOR DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

SEE TPP 1007-10-23-4.02

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040103_RP.DWG
APPRAISAL PLAT DATE : 2/26/2016
PLOT DATE : 2/26/2016 2:53 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : **********
1007-10-23-4.03

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.04

THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 19, AND THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 20, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5222494
03/25/2016 9:13 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.04
AMENDMENT NO:___

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, FOR DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
6	THOMAS W. HANSON AND ROXANNE HANSON	FEE	0.841	---	0.841	---	---
7	S & T FARMS, LLC	FEE	1.752	---	1.752	---	---
8	MYRON FOSDAL	FEE	0.074	---	0.074	---	---
9	THE FOSDAL REVOCABLE LIVING TRUST	FEE	0.492	---	0.492	---	---

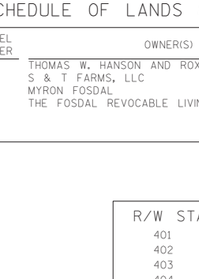
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

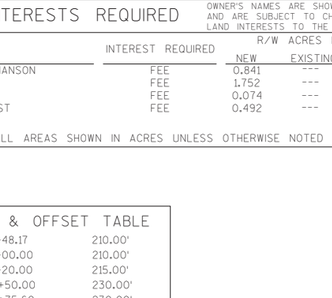
R/W STATION & OFFSET TABLE

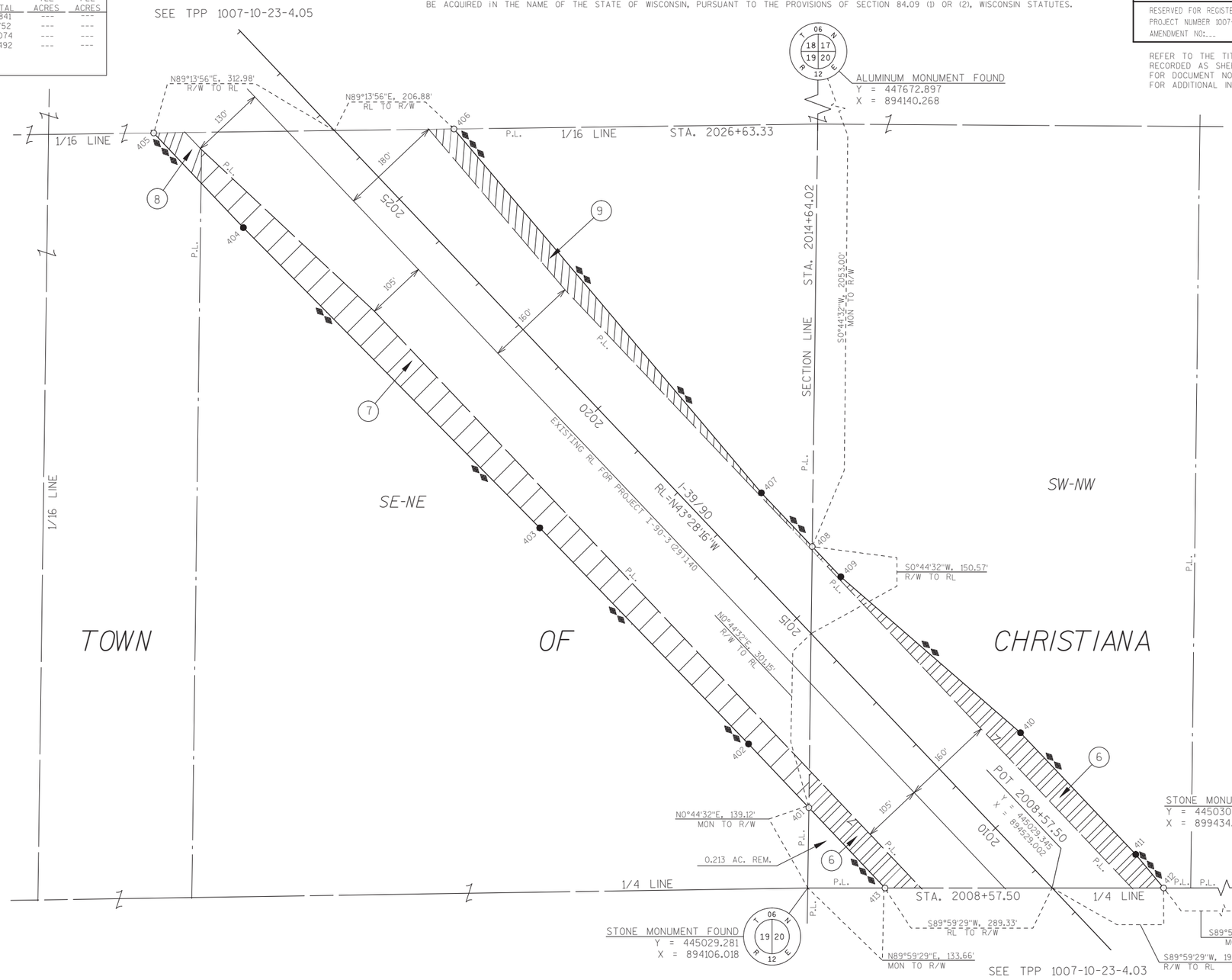
401	2012+48.17	210.00'
402	2014+00.00	210.00'
403	2019+20.00	215.00'
404	2026+50.00	230.00'
405	2028+75.60	230.00'
406	2025+23.03	152.03'
407	2017+00.00	105.00'
408	2015+71.94	105.00'
409	2015+00.00	105.00'
410	2010+90.00	145.00'
411	2008+00.00	145.00'
412	2007+24.76	140.07'
413	2010+56.52	210.00'

R/W COURSE TABLE

401-402	N43°28'16"W	151.83'
402-403	N44°01'19"W	520.02'
403-404	N44°38'54"W	730.15'
404-405	N43°28'16"W	225.60'
406-407	S40°12'02"E	824.37'
407-408	S43°28'16"E	128.06'
408-409	S43°28'16"E	71.94'
409-410	S49°02'36"E	411.95'
410-411	S43°28'16"E	290.00'
411-412	S39°43'10"E	75.41'
413-401	N43°28'16"W	191.65'







I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 3/21/2016 DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 3/24/2016 DATE

OTIE — Oneida Tribal Integrated Enterprises

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040104_RP.DWG
APPRAISAL PLAT DATE : 3/21/2016
PLOT DATE : 3/21/2016 2:05 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : ''''''''''''

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH W ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND CSM 12406.
EXISTING HIGHWAY RIGHT-OF-WAY FOR KOSHKONONG ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, BELL VIEW SUBDIVISION PLAT, CSM 2615, CSM 12246 AND EXISTING CENTER LINE.

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.05
AMENDMENT NO. 1

AMENDS PARCEL 10 OF TPP 1007-10-23-4.05 RECORDED AS DOCUMENT NUMBER 5222495.
THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 19, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

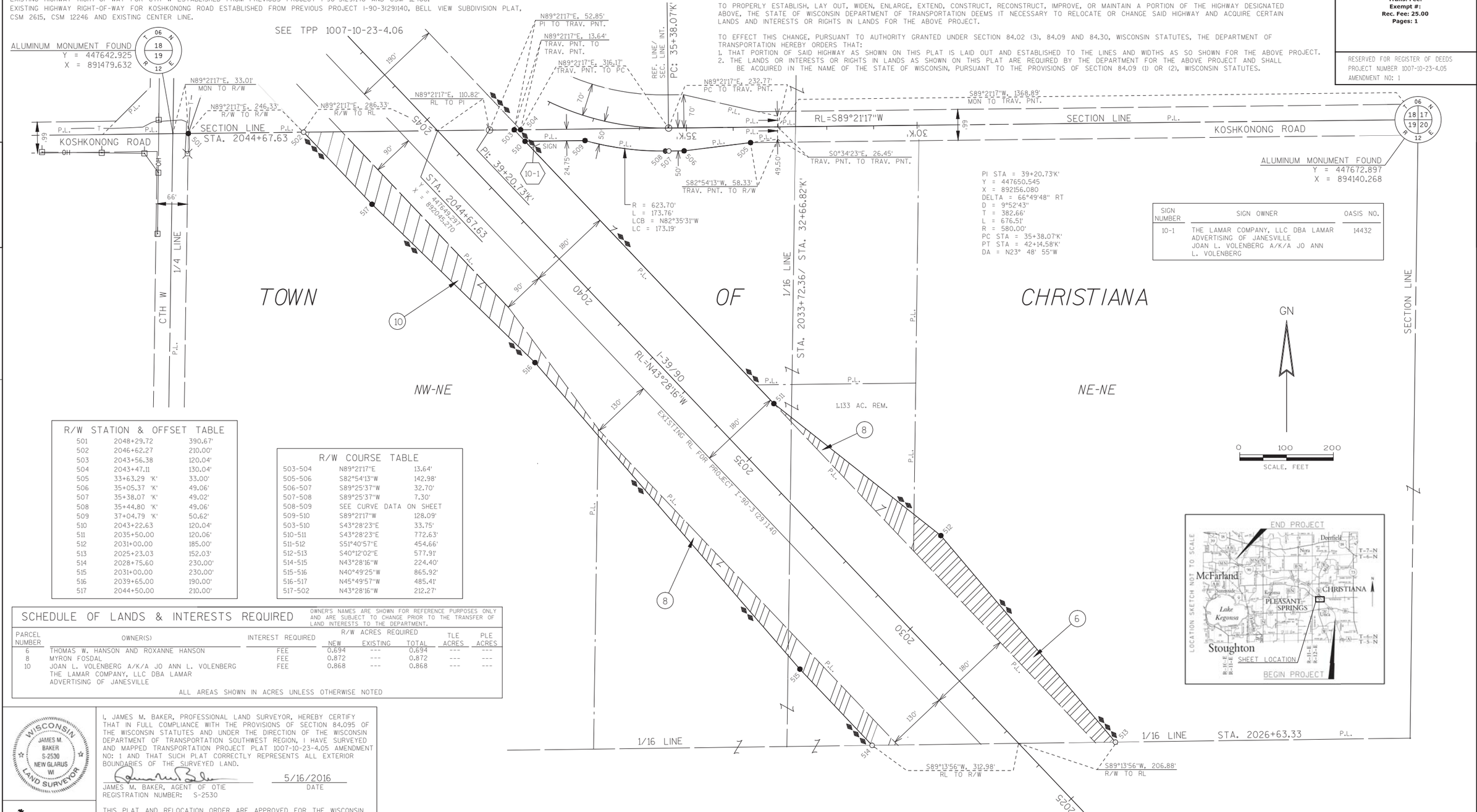
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5236984
05/25/2016 11:13 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.05
AMENDMENT NO: 1



SIGN NUMBER	SIGN OWNER	OASIS NO.
10-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE JOAN L. VOLENBERG A/K/A JO ANN L. VOLENBERG	14432

R/W STATION & OFFSET TABLE

501	2048+29.72	390.67'
502	2046+62.27	210.00'
503	2043+56.38	120.04'
504	2043+47.11	130.04'
505	33+63.29 'K'	33.00'
506	35+05.37 'K'	49.06'
507	35+38.07 'K'	49.02'
508	35+44.80 'K'	49.06'
509	37+04.79 'K'	50.62'
510	2043+22.63	120.04'
511	2035+50.00	120.06'
512	2031+00.00	185.00'
513	2025+23.03	152.03'
514	2028+75.60	230.00'
515	2031+00.00	230.00'
516	2039+65.00	190.00'
517	2044+50.00	210.00'

R/W COURSE TABLE

503-504	N89°21'17"E	13.64'
505-506	S82°54'13"W	142.98'
506-507	S89°25'37"W	32.70'
507-508	S89°25'37"W	7.30'
508-509	SEE CURVE DATA ON SHEET	
509-510	S89°21'17"W	128.09'
503-510	S43°28'23"E	33.75'
510-511	S43°28'23"E	772.63'
511-512	S51°40'57"E	454.66'
512-513	S40°12'02"E	577.91'
514-515	N43°28'16"W	224.40'
515-516	N40°49'25"W	865.92'
516-517	N45°49'57"W	485.41'
517-502	N43°28'16"W	212.27'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
6	THOMAS W. HANSON AND ROXANNE HANSON	FEE	0.694	---	0.694	---	---
8	MYRON FOSDAL	FEE	0.872	---	0.872	---	---
10	JOAN L. VOLENBERG A/K/A JO ANN L. VOLENBERG THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE	0.868	---	0.868	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.05 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/16/2016
REGISTRATION NUMBER: S-2530 — DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/17/2016
DATE

SEE TPP 1007-10-23-4.04

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, FOR DOCUMENT NO. 5117564 FOR ADDITIONAL INF

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040105_A1_RP.DWG
APPRAISAL PLAT DATE : 5/16/2016
PLOT DATE : 5/16/2016 2:27 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : **********
1007-10-23-4.05 AMENDMENT NO: 1

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH W ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND CSM 12406.
EXISTING HIGHWAY RIGHT-OF-WAY FOR KOSHKONONG ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, BELL VIEW SUBDIVISION PLAT, CSM 2615, CSM 12246 AND EXISTING CENTER LINE.

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.05

THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 19, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

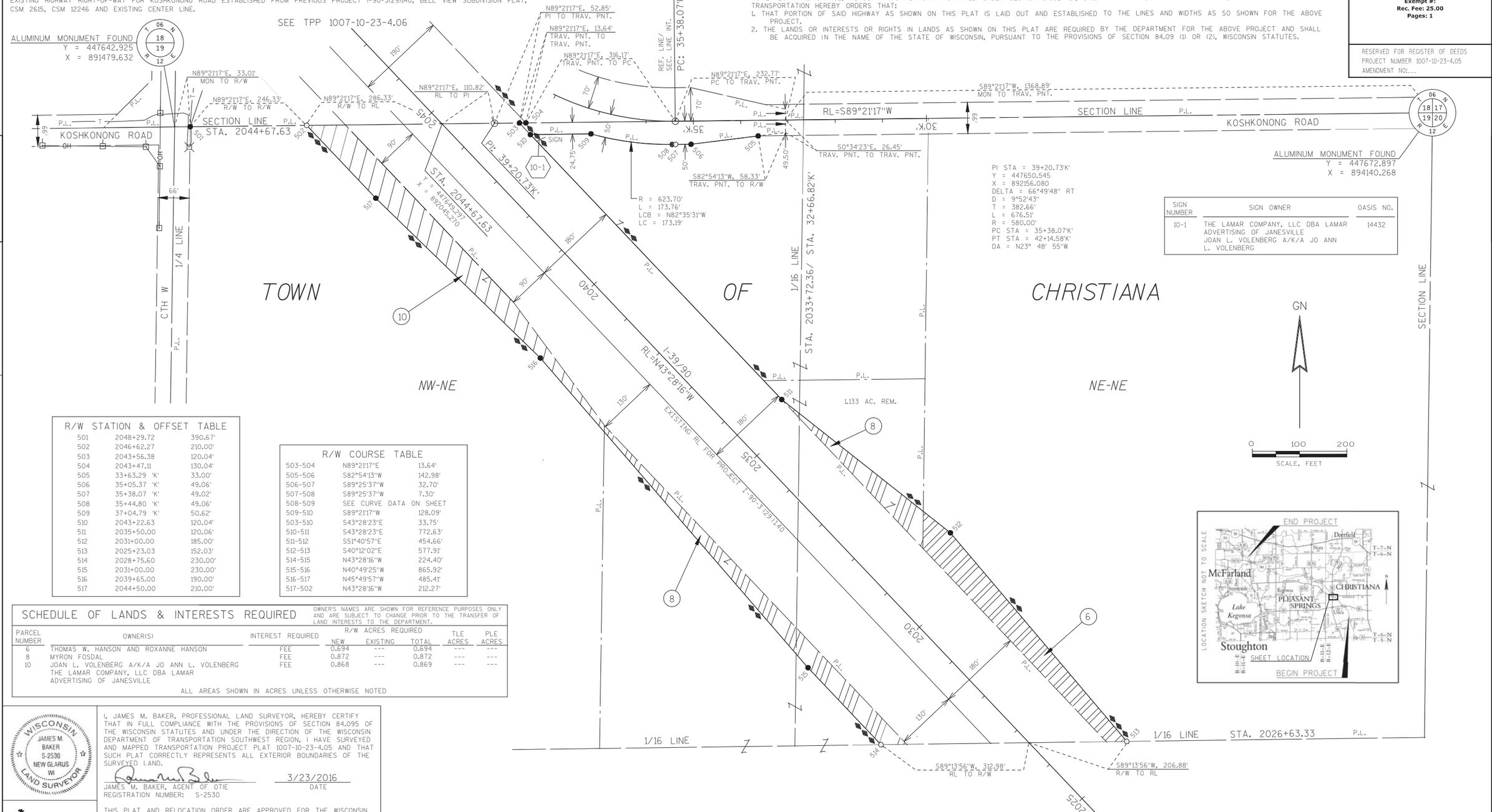
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5222495
03/25/2016 9:22 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.05
AMENDMENT NO:___



SIGN NUMBER	SIGN OWNER	OASIS NO.
10-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE JOAN L. VOLENBERG A/K/A JO ANN L. VOLENBERG	14432

R/W STATION & OFFSET TABLE

501	2048+29.72	390.67'
502	2046+62.27	210.00'
503	2043+56.38	120.04'
504	2043+47.11	130.04'
505	33+63.29 'K'	33.00'
506	35+05.37 'K'	49.06'
507	35+38.07 'K'	49.02'
508	35+44.80 'K'	49.06'
509	37+04.79 'K'	50.62'
510	2043+22.63	120.04'
511	2035+50.00	120.06'
512	2031+00.00	185.00'
513	2025+23.03	152.03'
514	2028+75.60	230.00'
515	2031+00.00	230.00'
516	2039+65.00	190.00'
517	2044+50.00	210.00'

R/W COURSE TABLE

503-504	N89°21'17"E	13.64'
505-506	S82°54'13"W	142.98'
506-507	S89°25'37"W	32.70'
507-508	S89°25'37"W	7.30'
508-509	SEE CURVE DATA ON SHEET	
509-510	S89°21'17"W	128.09'
503-510	S43°28'23"E	33.75'
510-511	S43°28'23"E	772.63'
511-512	S51°40'57"E	454.66'
512-513	S40°12'02"E	577.91'
514-515	N43°28'16"W	224.40'
515-516	N40°49'25"W	865.92'
516-517	N45°49'57"W	485.41'
517-502	N43°28'16"W	212.27'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
6	THOMAS W. HANSON AND ROXANNE HANSON	FEE	0.694	---	0.694	---	---
8	MYRON FOSDAL	FEE	0.872	---	0.872	---	---
10	JOAN L. VOLENBERG A/K/A JO ANN L. VOLENBERG THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE	0.868	---	0.869	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.05 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 3/23/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE Onida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

David R. Miller — 3/24/2016 DATE
DAVID R. MILLER

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, FOR DOCUMENT NO. 5117564 FOR ADDITIONAL INF

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040105_RP.DWG
APPRAISAL PLAT DATE : 3/23/2016
PLOT DATE : 3/23/2016 8:54 AM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : **********

1007-10-23-4.05

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.06

THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 18, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5222496
03/25/2016 9:22 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.06
AMENDMENT NO:___

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP680	448626.852	890842.749	1.50" IRON PIPE
IP681	448630.821	891293.382	0.75" REBAR
IP682	448626.230	891461.821	0.75" REBAR

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
11	LUCILLE NOTTESTAD, (FORMERLY LUCILLE SASS) A/K/A LUCILLE E. SASS	FEE	1.416	---	1.416	---	---
12	GARY A. JOHNSON	FEE	0.150	---	0.150	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

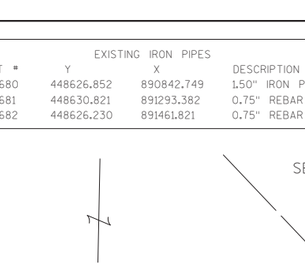
UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS

(202) WISCONSIN POWER AND LIGHT COMPANY
V.400, P.504, DOC.1088288 - PARCEL 11
DOC.5066203 - PARCEL 11
DOC.5076518 - PARCEL 11

R/W COURSE TABLE		
601-602	N45°05'39"E	102.81'
602-603	N0°53'25"E	157.20'
603-604	N43°19'08"W	670.00'
604-605	N30°47'27"W	205.00'
605-606	N40°56'42"W	340.33'
606-607	N43°28'16"W	190.70'
608-609	S43°28'23"E	454.02'
609-610	S88°22'10"E	169.81'
611-612	S34°27'23"E	113.63'
612-613	S69°27'23"E	44.94'
613-614	SEE CURVE DATA ON SHEET	
614-615	S19°58'57"E	247.55'
615-616	SEE CURVE DATA ON SHEET	
616-617	N89°25'37"E	7.14'
617-618	N89°25'37"E	32.86'
618-619	S77°10'39"E	162.89'
620-621	S89°21'17"W	13.64'
622-623	N43°28'16"W	263.52'
623-624	S18°31'42"W	204.62'

R/W STATION & OFFSET TABLE		
601	45+50.23 'W'	122.05'
602	46+23.22 'W'	49.64'
603	2050+70.00	271.78'
604	2057+40.00	270.00'
605	2059+40.00	225.00'
606	2062+80.00	210.00'
607	2064+70.70	210.00'
608	2061+53.39	129.98'
609	2056+99.36	129.99'
610	55+08.79 'W'	29.06'
611	55+79.29 'W'	37.38'
612	49+19.51 'K'	88.21'
613	48+81.05 'K'	86.37'
614	44+62.42 'K'	84.78'
615	42+15.42 'K'	68.24'
616	35+46.21 'K'	70.94'
617	35+38.07 'K'	70.98'
618	35+05.21 'K'	70.94'
619	33+46.81 'K'	33.00'
620	2043+47.11	130.04'
621	2043+56.38	120.04'
622	2046+62.27	210.00'
623	2049+25.79	210.00'
624	2048+29.72	390.67'
624	45+24.69 'W'	32.39'



GN

0 100 200
SCALE, FEET

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH W ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND CSM 12406.
EXISTING HIGHWAY RIGHT-OF-WAY FOR KOSHKONONG ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, BELL VIEW SUBDIVISION PLAT, CSM 2615, CSM 12246 AND EXISTING CENTER LINE.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.06 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 3/17/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE Onsite Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 3/24/2016 DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040106_RP.DWG
APPRAISAL PLAT DATE : 3/17/2016
PLOT DATE : 3/17/2016 2:21 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : **********
1007-10-23-4.06

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.07

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 18, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

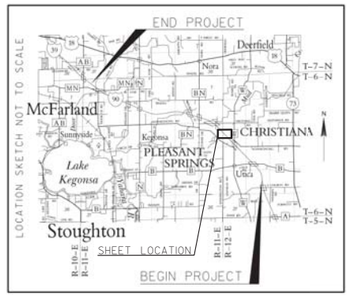
NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

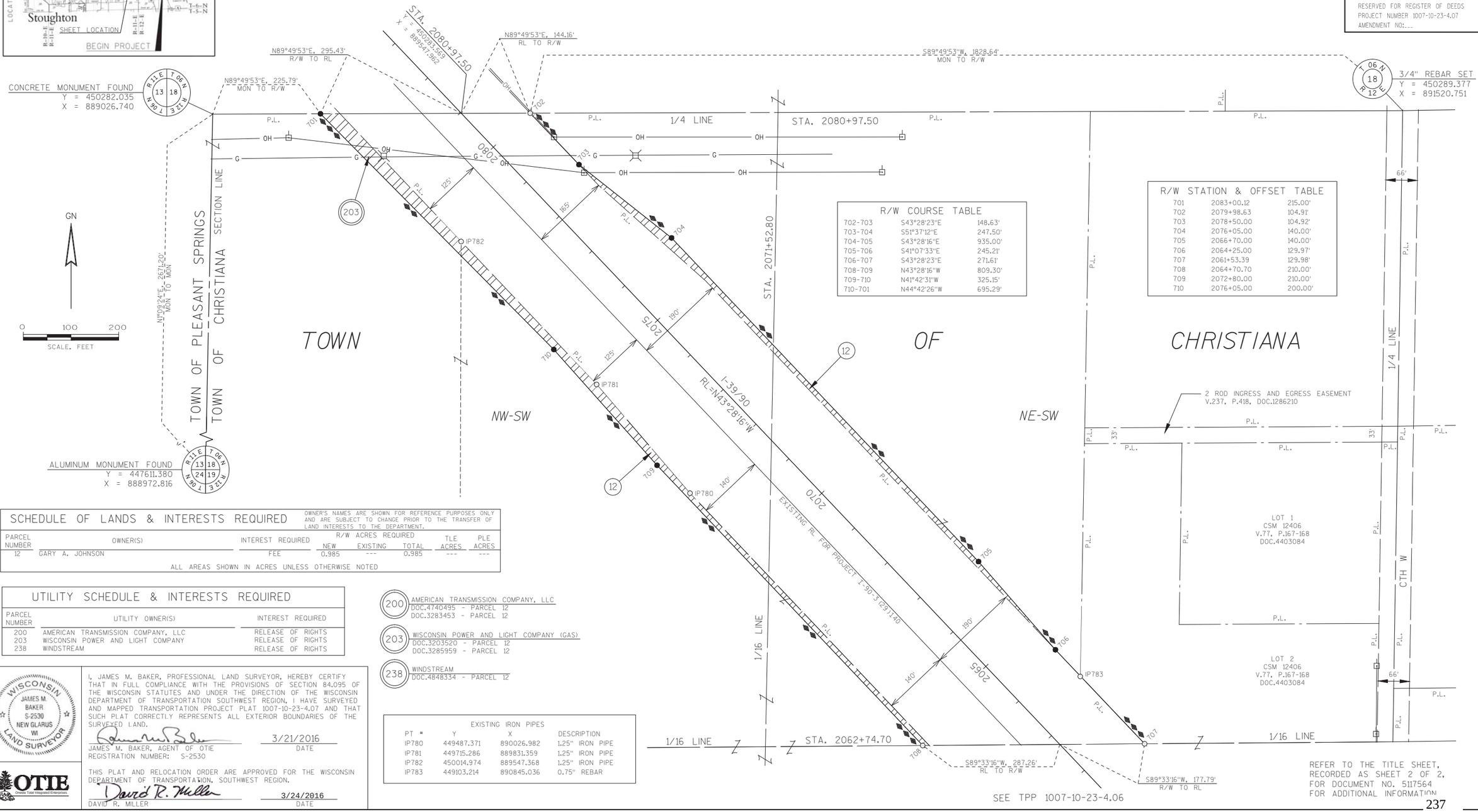
EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.



SEE TPP 1007-10-23-4.08



R/W COURSE TABLE

702-703	S43°28'23"E	148.63'
703-704	S51°37'12"E	247.50'
704-705	S43°28'16"E	935.00'
705-706	S41°07'33"E	245.21'
706-707	S43°28'23"E	271.61'
708-709	N43°28'16"W	809.30'
709-710	N41°42'31"W	325.15'
710-701	N44°42'26"W	695.29'

R/W STATION & OFFSET TABLE

701	2083+00.12	215.00'
702	2079+98.63	104.91'
703	2078+50.00	104.92'
704	2076+05.00	140.00'
705	2066+70.00	140.00'
706	2064+25.00	129.97'
707	2061+53.39	129.98'
708	2064+70.70	210.00'
709	2072+80.00	210.00'
710	2076+05.00	200.00'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
12	GARY A. JOHNSON	FEE	0.985	---	0.985	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

PARCEL NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
203	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
238	WINDSTREAM	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY, LLC
DOC.4740495 - PARCEL 12
DOC.3283453 - PARCEL 12

(203) WISCONSIN POWER AND LIGHT COMPANY (GAS)
DOC.3203520 - PARCEL 12
DOC.3285959 - PARCEL 12

(238) WINDSTREAM
DOC.4848334 - PARCEL 12

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP780	449487.371	890026.982	1.25" IRON PIPE
IP781	449715.286	889831.359	1.25" IRON PIPE
IP782	450014.974	889547.368	1.25" IRON PIPE
IP783	449103.214	890845.036	0.75" REBAR

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.07 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 3/21/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 3/24/2016 DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, FOR DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5222497
03/25/2016 9:22 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.07
AMENDMENT NO:___

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040107_RP.DWG
APPRAISAL PLAT DATE : 3/21/2016
PLOT DATE : 3/21/2016 3:28 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : ''''''''''''
1007-10-23-4.07

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

R/W STATION & OFFSET TABLE		
801	2086+30.78	215.00'
802	2088+20.38	215.00'
803	2091+90.21	285.13'
804	2095+83.83	210.00'
805	2100+93.76	210.00'
806	2097+59.50	159.85'
807	2094+90.24	159.86'
808	2089+73.01	104.88'
809	2079+98.63	104.91'
810	2083+00.12	215.00'

TLE STATION & OFFSET TABLE		
T850	2096+90.00	210.00'
T851	2096+90.00	230.00'
T852	2097+55.00	270.00'
T853	2098+00.00	210.00'

R/W COURSE TABLE		
801-802	N43°28'16"W	189.60'
802-803	N54°12'30"W	376.41'
803-804	N32°39'56"W	400.73'
804-805	N43°28'16"W	509.94'
806-807	S43°28'23"E	269.26'
807-808	S37°24'12"E	520.14'
808-809	S43°28'23"E	974.38'
810-801	N43°28'16"W	330.66'

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.08

THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 13, T6N, R11E, TOWN OF PLEASANT SPRINGS, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

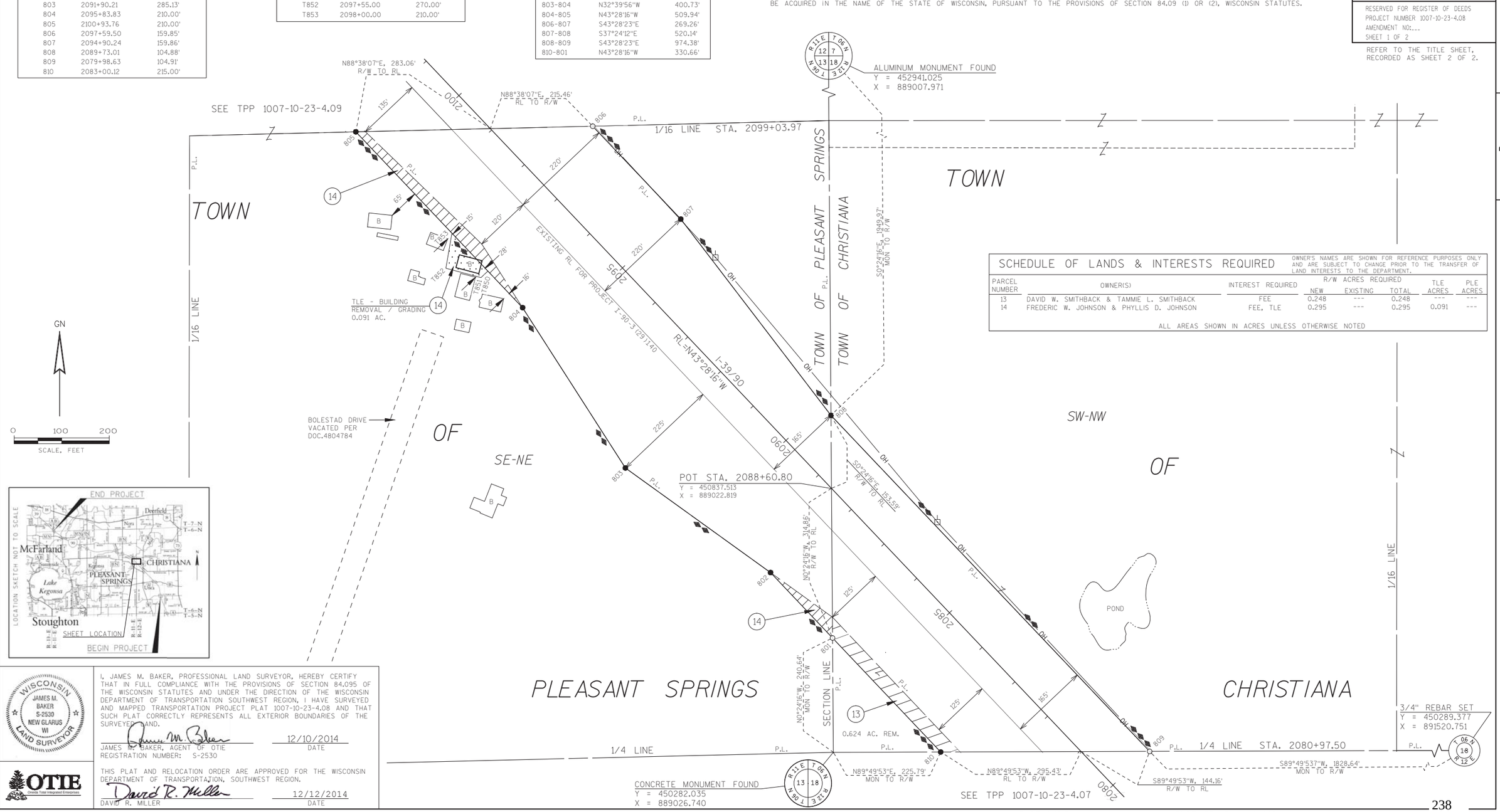
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5117564
12/16/2014 08:43 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 2

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.08
AMENDMENT NO:__
SHEET 1 OF 2

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2.



SCHEDULE OF LANDS & INTERESTS REQUIRED						
						OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
13	DAVID W. SMITHBACK & TAMMIE L. SMITHBACK	FEE	0.248	---	0.248	---	---
14	FREDERIC W. JOHNSON & PHYLLIS D. JOHNSON	FEE, TLE	0.295	---	0.295	0.091	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.08 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 12/10/2014 DATE
REGISTRATION NUMBER: S-2530

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

OTIE Oneida Tribal Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 12/12/2014 DATE

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040108_RP.DWG
APPRAISAL PLAT DATE : 12/10/2014
PLOT DATE : 12/10/2014 11:38 AM PLOT BY : OTIE PLOT NAME : PLOT SCALE : 1:100

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.09

THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 13, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5222502
03/25/2016 9:31 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.09
AMENDMENT NO:___

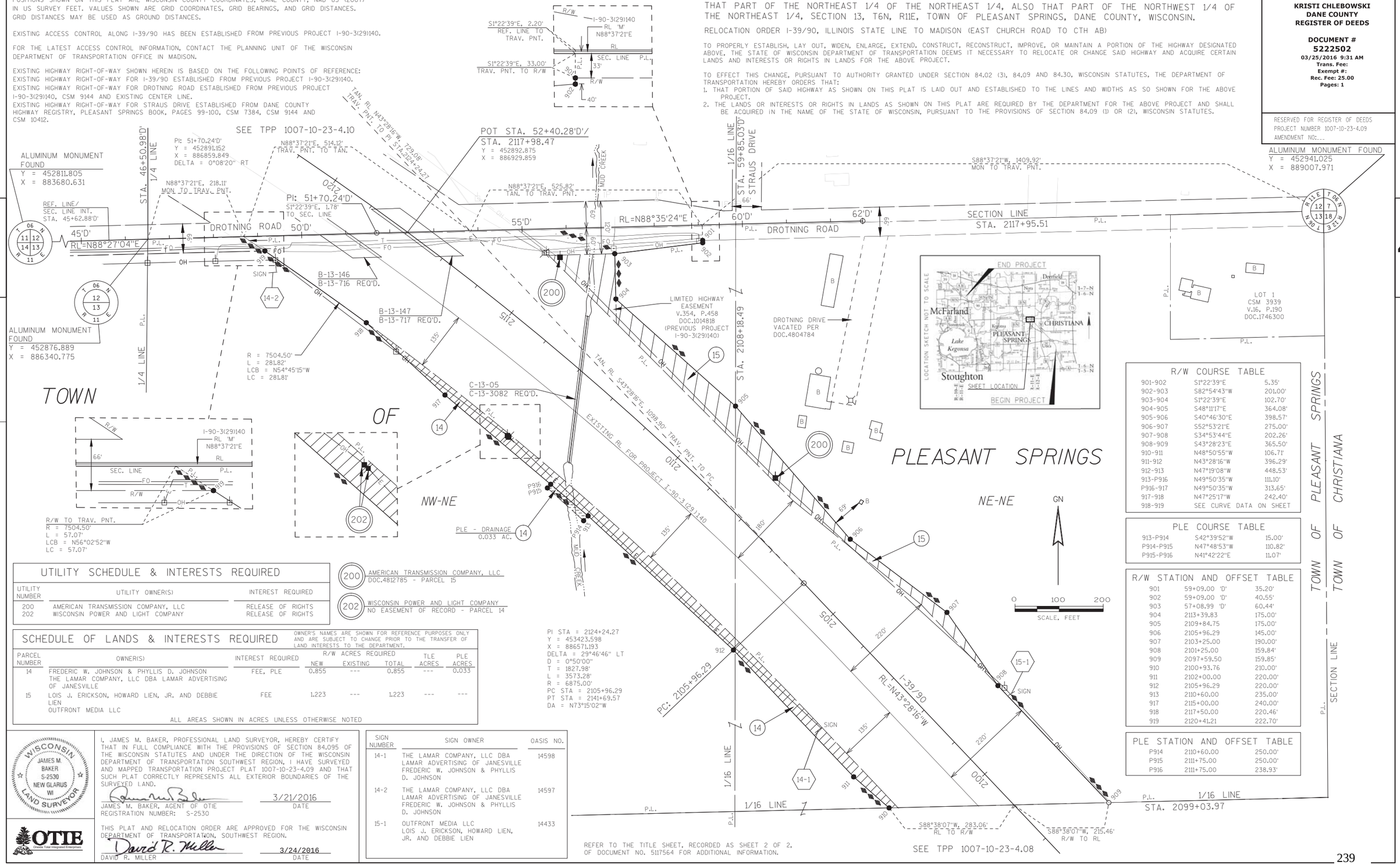
NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140. EXISTING HIGHWAY RIGHT-OF-WAY FOR DROTNING ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 9144 AND EXISTING CENTER LINE. EXISTING HIGHWAY RIGHT-OF-WAY FOR STRAUS DRIVE ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, PLEASANT SPRINGS BOOK, PAGES 99-100, CSM 7384, CSM 9144 AND CSM 10412.



R/W COURSE TABLE

901-902	S1°22'39"E	5.35'
902-903	S82°54'43"W	201.00'
903-904	S1°22'39"E	102.70'
904-905	S48°11'17"E	364.08'
905-906	S40°46'30"E	398.57'
906-907	S52°53'21"E	275.00'
907-908	S34°53'44"E	202.26'
908-909	S43°28'23"E	365.50'
910-911	N48°50'55"W	106.71'
911-912	N43°28'16"W	396.29'
912-913	N47°19'08"W	448.53'
913-P916	N49°50'35"W	111.10'
P916-917	N49°50'35"W	313.65'
917-918	N47°25'17"W	242.40'
918-919	SEE CURVE DATA ON SHEET	

PLE COURSE TABLE

913-P914	S42°39'52"W	15.00'
P914-P915	N47°48'53"W	110.82'
P915-P916	N41°42'22"E	11.07'

R/W STATION AND OFFSET TABLE

901	59+09.00 'D'	35.20'
902	59+09.00 'D'	40.55'
903	57+08.99 'D'	60.44'
904	2113+39.83	175.00'
905	2109+84.75	175.00'
906	2105+96.29	145.00'
907	2103+25.00	190.00'
908	2101+25.00	159.84'
909	2097+59.50	159.85'
910	2100+93.76	210.00'
911	2102+00.00	220.00'
912	2105+96.29	220.00'
913	2110+60.00	235.00'
917	2115+00.00	240.00'
918	2117+50.00	220.46'
919	2120+41.21	222.70'

PLE STATION AND OFFSET TABLE

P914	2110+60.00	250.00'
P915	2111+75.00	250.00'
P916	2111+75.00	238.93'

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS

200 AMERICAN TRANSMISSION COMPANY, LLC
DOC.4812785 - PARCEL 15

202 WISCONSIN POWER AND LIGHT COMPANY
NO EASEMENT OF RECORD - PARCEL 14

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
14	FREDERIC W. JOHNSON & PHYLLIS D. JOHNSON THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE, PLE	0.855	---	0.855	---	0.033
15	LOIS J. ERICKSON, HOWARD LIEN, JR. AND DEBBIE LIEN OUTFRONT MEDIA LLC	FEE	1.223	---	1.223	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.09 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE
REGISTRATION NUMBER: S-2530
3/21/2016
DATE

OTIE Orbitz Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER
3/24/2016
DATE

SIGN NUMBER	SIGN OWNER	OASIS NO.
14-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE FREDERIC W. JOHNSON & PHYLLIS D. JOHNSON	14598
14-2	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE FREDERIC W. JOHNSON & PHYLLIS D. JOHNSON	14597
15-1	OUTFRONT MEDIA LLC LOIS J. ERICKSON, HOWARD LIEN, JR. AND DEBBIE LIEN	14433

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040109_RP.DWG
APPRAISAL PLAT DATE : 3/21/2016
PLOT DATE : 3/21/2016 3:06 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : ''''''''''''

1007-10-23-4.09

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.10

THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 12, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
13	DAVID W. SMITHBACK & TAMMIE L. SMITHBACK	FEE	2.651	---	2.651	---	---
16	VINCENT H. ROCKWELL	FEE, PLE	0.099	---	0.099	---	0.042

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING HIGHWAY RIGHT-OF-WAY FOR DROTNING ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 9144 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR STRAUS DRIVE ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, PLEASANT SPRINGS BOOK, PAGES 99-100, CSM 7384, CSM 9144 AND CSM 10412.

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5129418
02/17/2015 08:37 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.10
AMENDMENT NO:___

CONCRETE MONUMENT FOUND
Y = 458179.463
X = 886393.457

200 AMERICAN TRANSMISSION COMPANY, LLC
DOC.4743338 - PARCEL 13

LOT 1
CSM 7384
V.38, P.38-42
DOC.2581331

1/16 LINE

P.L.

TOWN

LEASED PARCEL
SBA STRUCTURES, INC.
DOC.4758381

15' ACCESS EASEMENT
SBA STRUCTURES, INC.
DOC.4758381

12' ACCESS EASEMENT
AMERICAN TRANSMISSION COMPANY LLC
DOC.4979673

PT: 2141+69.57

TAN. RL S73°15'02"E, 205.56' PT TO TRAV. PNT.

C6 N0°22'40"E, 141.52' TAN. TO R/W

SEE TPP 1007-10-23-4.11

N0°22'40"E, 235.45' R/W TO TAN.

2140

205'

150'

2135

TAN. RL S73°15'02"E, 1622.42' TRAV. PNT. TO PT

2130

2125

1-39/90

SE-SW

EXISTING RL FOR PROJECT I-90-3(29)140

1/16 LINE STA. 2139+63.07

LIMITED HIGHWAY EASEMENT
V.719, P.111
DOC.1016581
(PREVIOUS PROJECT I-90-3(29)140)

S0°34'09"W, 4679.77' MON TO R/W

1/4 LINE STA. 2125+01.06

ODLAND ROAD VACATED PER DOC.4804783

OF

S0°34'09"W, 8.86' R/W TO TAN.

POND

LIMITED HIGHWAY EASEMENT
V.719, P.111
DOC.1016581
(PREVIOUS PROJECT I-90-3(29)140)

PI: 2124+24.27

S43°28'16"E, 129.09' TO TRAV. PNT.

C-13-55
C-13-3083 REQ'D.

N0°34'09"E, 489.32' R/W TO TAN.

PI STA = 2124+24.27
Y = 453423.598
X = 886571.193
DELTA = 29°46'46" LT
D = 0°50'00"
T = 1827.98'
L = 3573.28'
R = 6875.00'
PC STA = 2105+96.29
PT STA = 2141+69.57
DA = N73°15'02"W
DB = N43°28'16"W

PLE - DRAINAGE 0.042 AC.

B-13-146
B-13-716 REQ'D.

B-13-147
B-13-717 REQ'D.

PI: 51+70.24'D'
Y = 452891.152
X = 886859.849
DELTA = 0°08'20" RT

N0°34'09"E, 127.04' R/W TO MON

C1 TRAV. PNT. TO R/W

SEE TPP 1007-10-23-4.09

N88°37'21"E, 191.98' MON TO TRAV. PNT.

S88°37'21"W, 540.25' TRAV. PNT. TO TAN.

S88°37'21"W, 601.76' TRAV. PNT. TO TAN.

S88°37'21"W, 1333.98' MON TO TRAV. PNT.

TAN. RL S43°28'16"E, 1098.90' TRAV. PNT. TO PC

REF. LINE/ SEC. LINE INT. STA. 45+62.88'D'

41'D' RL=N88°27'04"E 45'D'

DROTNING ROAD

SECTION LINE

50'D'

55'D'

60'D'

RL=N88°35'24"E

ALUMINUM MONUMENT FOUND
Y = 452811.805
X = 883680.631

ALUMINUM MONUMENT FOUND
Y = 452876.889
X = 886340.775

POT STA. 52+40.28'D'/
STA. 2117+98.47
Y = 452892.875
X = 886929.859

ALUMINUM MONUMENT FOUND
Y = 452941.025
X = 889007.971

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

GN

0 100 200
SCALE, FEET

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP1080	453371.118	886537.925	1" IRON PIPE
IP1081	452963.412	887379.021	0.75" REBAR
IP1082	452966.354	887496.931	0.75" REBAR
IP1083	452941.298	887646.578	0.75" REBAR
IP1084	452941.575	887666.395	0.75" REBAR
IP1085	452941.965	887674.525	2" IRON PIPE

PLE STATION & OFFSET TABLE

P1002	2123+40.00	238.58'
P1004	2123+40.00	270.00'
P1005	2124+00.00	270.00'
P1006	2124+00.00	238.59'

PLE COURSE TABLE

P1002-P1004	S31°59'49"W	31.42'
P1004-P1005	N58°15'11"W	57.64'
P1005-P1006	N31°29'49"E	31.41'

R/W COURSE TABLE

1001-P1002	SEE CURVE DATA IN TABLE
P1002-1003	SEE CURVE DATA IN TABLE
1003-P1006	SEE CURVE DATA IN TABLE
P1006-1007	SEE CURVE DATA IN TABLE
1007-1008	N66°41'49"W 728.43'
1009-1010	SEE CURVE DATA IN TABLE
1010-1011	S80°19'43"E 244.95'
1011-1012	S66°49'12"E 487.54'
1012-1013	S62°49'18"E 495.38'
1013-1014	S55°58'23"E 777.56'
1014-1015	S35°48'51"E 134.08'
1015-IP1082	N88°37'21"E 427.21'
IP1082-IP1083	S80°29'42"E 151.73'

R/W STATION & OFFSET TABLE

1001	2121+82.26	238.29'
1003	2123+56.98	238.59'
1007	2131+35.00	233.99'
1008	2138+88.57	220.34'
1009	2140+07.15	137.74'
1010	2138+00.00	132.68'
1011	2135+65.00	180.00'
1012	2130+90.00	185.00'
1013	2126+07.70	190.00'
1014	2118+50.00	175.00'
1015	2117+25.00	134.49'
IP1082	58+08.98 'D'	59.50'
IP1083	59+57.97 'D'	30.77'

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	7489.50'	57.93'	57.93'	N56°39'03"W
C2	7489.50'	152.27'	152.26'	N57°27'17"W
C3	7489.50'	16.39'	16.39'	N58°06'00"W
C4	7489.50'	41.53'	41.53'	N58°19'17"W
C5	7489.50'	709.68'	709.42'	N61°11'42"W
C6	7844.50'	211.28'	211.27'	S69°39'38"E

33' 1/16 LINE STRAUS DRIVE

IP1083 IP1084 IP1085

S80°29'42"E, 28.38' R/W TO TRAV. PNT.

S0°24'30"W, 25.41' TRAV. PNT. TO RL

S0°24'30"W, 2.24' RL TO TRAV. PNT.

DROTNING ROAD 60'D' RL

SECTION LINE

STA. 2117+95.51
I-90-3(29)140
RL 'M'
N88°37'21"E

STA. 59+85.03'D'

MUD CREEK

57.75'

66'

LOT 1
CSM 10412
V.61, P.223
DOC.3495368

LOT 1
CSM 9144
V.51, P.214-215
DOC.3061580

1/16 LINE STRAUS DRIVE

DROTNING ROAD RL=N88°35'24"E

60'D'

SECTION LINE

SIGN

IP1081 IP1082 IP1085 IP1084 IP1083

R-11-E R-12-E T-6-N T-7-N

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.10 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 2/9/2015 DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 2/11/2015 DATE

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040110_RP.DWG
APPRAISAL PLAT DATE : 2/9/2015
PLOT DATE : 2/9/2015 3:53 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : ==========

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.11

THAT PART OF LOT 1 AND LOT 2, CSM 8417, LOCATED IN THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 12, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5121852
01/08/2015 08:44 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.11
AMENDMENT NO:

241

1007-10-23-4.11

ALUMINUM MONUMENT FOUND
Y = 455464.900
X = 883689.267

STONE MONUMENT FOUND
Y = 455588.380
X = 889019.399

1/4 LINE STA. 62+59.51'BN'

S0°11'11"W, 84.30' MON TO TRAV. PNT.

SHARED DRIVE/PRIVATE ACCESS EASEMENT CSM 8417 DOC.2814338

S89°21'56"E, 5.30' TRAV. PNT. TO RL

S89°21'56"E, 27.70' RL TO R/W

SECTION LINE

S0°11'11"W 50.38'

S89°33'52"E 3.96'

33'

LOT 1 CSM 8417 V.45, P.321-322 DOC.2814338

LOT 2 CSM 8417 V.45, P.321-322 DOC.2814338

IP1182 IP1181 IP1180

P1101 P1102 P1103 P1104 P1105 P1106 P1107 P1108 P1109 P1110 P1111 P1112 P1113 P1114 P1115 P1116 P1117 P1118 P1119 P1120

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH BN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 8417 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DROTNING ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 9144 AND EXISTING CENTER LINE.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
13	DAVID W. SMITHBACK & TAMMIE L. SMITHBACK	FEE	0.607	---	0.607	---	---
17	DAVID A. CARLISLE	FEE	0.723	0.094	0.817	---	---
18	CHRISTOPHER G. MILLER	FEE, PLE	0.144	0.038	0.182	---	0.020

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

PARCEL NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS

200 AMERICAN TRANSMISSION COMPANY, LLC DOC.4743338 - PARCEL 13

PLE - DRAINAGE 0.020 AC.

TOWN OF PLEASANT SPRINGS

NW-SW

SW-SW

SEE TPP 1007-10-23-4.12

SEE TPP 1007-10-23-4.10

CTH BN

SECTION LINE

1/16 LINE

REF. LINE/ SEC. LINE INT. STA.51+96.35'BN'

STA. 2153+55.19

POT STA.50+87.44'BN'/ 2153+58.53 Y = 454293.039 X = 883682.256

STA. 2148+61.07

STA.2139+63.07

B-13-145
B-13-718 REQ'D.

I-39/90
RL=N73°15'02"W
EXISTING RL FOR PROJECT I-90-3(29)140

R = 7844.50'
L = 165.79'
LCB = S71°02'16"E
LC = 165.79'

PT: 2141+69.57

S0°22'40"W, 141.52' R/W TO TAN.

TAN. RL S73°15'02"E, 1622.42' TRAV. PNT. TO PI STA.2124+24.27

S0°22'40"W, 235.45' TAN. TO R/W

TAN. RL N73°15'02"W, 205.56' TRAV. PNT. TO PT

PT:46+51.71'BN'

PI: 42+01.48'BN'

PI STA = 42+01.48'BN'
Y = 453407.122
X = 883672.448
DELTA = 0°41'58" RT
D = 0°04'40"
T = 450.24'
L = 900.47'
R = 73750.00'
PC STA = 37+51.24'BN'
PT STA = 46+51.71'BN'
DB = S0°03'55"E

PI STA = 2124+24.27
Y = 453423.598
X = 886571.193
DELTA = 29°46'46" LT
D = 0°50'00"
T = 1827.98'
L = 3573.28'
R = 6875.00'
PC STA = 2105+96.29
PT STA = 2141+69.57
DB = S43°28'16"E

PC:37+51.24'BN'

PLEASANT SPRINGS

N89°52'19"W, 33.00' R/W TO TRAV. PNT.

N89°52'19"W, 9.24' TRAV. PNT. TO TAN.

ALUMINUM MONUMENT FOUND
Y = 452811.805
X = 883680.631

DROTNING ROAD

N0°11'11"E, 678.68' RL TO TRAV. PNT.

N0°11'11"E, 409.85' RL TO RL

N0°11'11"E, 1086.46' TRAV. PNT. TO RL

N0°11'11"E, 393.82' MON TO TRAV. PNT.

RL=N00°38'04"E

60'BN'

55'BN'

50'BN'

45'BN'

40'BN'

37'BN'

66'

33'

60'

PLE STATION AND OFFSET TABLE

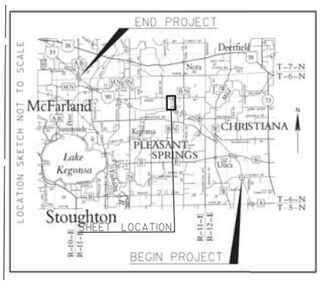
P1102	59+15.00 'BN'	54.73'
P1103	59+15.00 'BN'	75.00'
P1104	58+65.00 'BN'	75.00'
P1105	58+65.00 'BN'	59.93"

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP1180	454800.987	883753.276	0.75" REBAR
IP1181	455329.821	883725.783	0.75" REBAR
IP1182	455465.801	883727.228	0.75" REBAR

R/W STATION AND OFFSET TABLE

1101	61+75.00 'BN'	27.70'
1106	2152+50.00	105.00'
1107	2144+00.00	155.00'
1108	2141+69.57	142.19'
1109	2140+07.15	137.74'
1110	2138+88.57	220.34'
1111	2141+69.57	270.34'
1112	2144+10.55	309.73'
1113	2144+75.00	320.26'
1114	2145+75.00	400.00'
1115	2146+75.00	400.00'
1116	2147+75.00	309.71'
1117	2151+85.00	309.69'
1118	46+51.71 'BN'	79.19'
1119	42+01.47 'BN'	70.00'
1120	40+00.00 'BN'	41.82'



R/W COURSE TABLE

1101-P1102	S5°18'04"E	261.40'
P1102-P1105	S5°18'04"E	50.27'
P1105-1106	S5°18'04"E	710.62'
1106-1107	S76°37'01"E	851.47'
1107-1108	S70°04'04"E	230.78'
1108-1109	SEE CURVE DATA ON SHEET	
1110-1111	N82°31'57"W	275.53'
1111-1112	N82°31'57"W	244.18'
1112-1113	N82°31'57"W	65.30'
1113-1114	S68°10'47"W	127.90'
1114-1115	N73°15'02"W	100.00'
1115-1116	N31°10'17"W	134.73'
1116-1117	N73°14'53"W	410.00'
1117-1118	S1°37'46"W	90.05'
1118-1119	S1°37'46"W	449.88'
1119-1120	S8°10'33"W	203.28'

PLE COURSE TABLE

P1102-P1103	S89°21'56"E	20.27'
P1103-P1104	S0°38'04"W	50.00'
P1104-P1105	N89°21'56"W	15.07'

GN

0 100 200
SCALE, FEET

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.11 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 1/5/2015 DATE
REGISTRATION NUMBER: S-2530

OTIE Orchids Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 1/6/2015 DATE

PLOT SCALE : 1:100
PLOT NAME :
PLOT BY : OTIE
PLOT DATE : 1/5/2015 2:16 PM
FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040111_RP.DWG
APPRAISAL PLAT DATE : 1/5/2015

4

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.12

THAT PART OF VACATED OLSON DRIVE LOCATED IN THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 11, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH BN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 8417 AND EXISTING CENTER LINE.

ALUMINUM MONUMENT FOUND
Y = 455464.900
X = 883689.267

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5119648
12/29/2014 10:44 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

242

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.12
AMENDMENT NO:

S89°21'56"E, 5.30' TRAV. PNT. TO RL
S89°21'56"E, 33.00' R/W TO TRAV. PNT.
TLE - DRIVEWAY 0.089 AC.
1/4 LINE
3/4 REBAR FOUND
Y = 455516.767
X = 881032.340
TLE - DRIVEWAY 0.089 AC.
S0°11'11"W, 84.30' MON TO TRAV. PNT.

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

200 AMERICAN TRANSMISSION COMPANY LLC
DOC.4752116 - PARCEL 20

202 WISCONSIN POWER AND LIGHT COMPANY
NO EASEMENT OF RECORD - PARCEL 19, 20

205 AT&T WISCONSIN (WISCONSIN BELL, INC.)
NO EASEMENT OF RECORD - PARCEL 20

OLSON DRIVE VACATED PER DOC.4804783

12' ACCESS EASEMENT AMERICAN TRANSMISSION COMPANY LLC DOC.4964315

TOWN
NE-SE

SIGN NUMBER	SIGN OWNER	OASIS NO.
20-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE DAVID M. OLSON, MARLENE B. OLSON, DALE W. OLSON AND WENDY L. OLSON	14436

N0°12'04"E, 147.28' RL TO R/W
N0°12'04"E, 232.63' R/W TO RL
EXISTING RL FOR PROJECT I-90-3(29)140
I-39/90 RL=N73°15'02"W
RL=N00°38'04"E
SEE TPP 1007-10-23-4.13
STA. 2167+41.46
SEE TPP 1007-10-23-4.11
STA. 2153+55.19
REF. LINE/ SEC. LINE INT. STA.51+96.35'BN'
S0°11'11"W, 408.85' RL TO RL
S0°11'11"W, 676.68' TRAV. PNT. TO RL
POT STA.50+87.44'BN'/ 2153+5853
Y = 454293.039
X = 883682.256
B-13-145
B-13-718 REQ'D.
1/16 LINE STA. 49+32.82'BN'
1/16 LINE
OF
SE-SE
PLEASANT SPRINGS
CTH BN
SECTION LINE
GEODETIC MON. DG4948

PI STA = 42+01.48'BN'
Y = 453407.122
X = 883672.448
DELTA = 0°41'58" RT
D = 0°04'40"
T = 450.24'
L = 900.47'
R = 73750.00'
PC STA = 37+52.24'BN'
PT STA = 46+51.71'BN'
DB = S0°03'55"E

PT:46+51.71'BN'
PI: 42+01.48'BN'
PC: 37+51.24'BN'
TLE - DRIVEWAY 0.098 AC.
TAN. RL
N89°52'19"W, 9.24' TRAV. PNT. TO TAN.
N89°52'19"W, 23.76' TAN. TO R/W
S0°11'11"W, 1086.46' RL TO TRAV. PNT.
N0°11'11"E, 393.82' MON TO TRAV. PNT.

ALUMINUM MONUMENT FOUND
Y = 452811.805
X = 883680.631

LOCATION SKETCH NOT TO SCALE
END PROJECT
BEGIN PROJECT
SHEET LOCATION
McFarland
Deerfield
CHRISTIANA
PLEASANT SPRINGS
Lake Kegonsa
Stoughton

GN
0 100 200
SCALE, FEET

R/W STATION & OFFSET TABLE

1201	40+00.00 'BN'	24.18'
1202	42+01.47 'BN'	45.00'
1203	46+51.71 'BN'	75.00'
1204	2155+00.00	185.00'
1205	2158+50.00	200.00'
1206	2161+50.00	200.00'
1207	2164+00.00	225.00'
1208	2166+00.00	225.00'
1209	2166+75.20	222.99'
1210	2167+83.41	141.18'
1211	2167+40.00	145.00'
1212	2163+30.00	140.00'
1213	2161+20.00	95.00'
1214	2155+20.00	110.00
1215	58+70.00 'BN'	55.00'
1216	61+75.00 'BN'	38.31'

R/W COURSE TABLE

1201-1202	N5°41'23"W	202.64'
1202-1203	N3°20'58"W	451.60'
1203-1204	N20°03'17"W	317.76'
1204-1205	N75°42'17"W	350.32'
1205-1206	N73°15'02"W	300.00'
1206-1207	N78°57'40"W	251.25'
1207-1208	N73°15'02"W	200.00'
1208-1209	N71°43'23"W	75.23'
1210-1211	S78°16'54"E	43.57'
1211-1212	S72°33'07"E	410.03'
1212-1213	S61°09'21"E	214.77'
1213-1214	S74°40'58"E	600.19'
1214-1215	N6°55'03"E	635.89'
1215-1216	N3°46'02"E	305.46'

TLE STATION & OFFSET TABLE

T1250	60+35.00	'BN'	75.00'
T1251	59+75.00	'BN'	75.00'
T1252	59+60.00	'BN'	50.07'
T1253	46+00.00	'BN'	71.41'
T1254	46+00.00	'BN'	130.00'
T1255	45+30.00	'BN'	130.00'
T1256	45+30.00	'BN'	66.62'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
19	ROBERT R. COHEN-WICHNER AND ANNIQUE R. COHEN-WICHNER	FEE, TLE	1.556	0.125	1.681	0.098	---
20	DAVID M. OLSON, MARLENE B. OLSON, DALE W. OLSON AND WENDY L. OLSON, THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE, TLE	1.191	0.214	1.405	0.089	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.12 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE
REGISTRATION NUMBER: S-2530
12/22/2014
DATE

OTIE
Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER
12/23/2014
DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

4

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040112-RP.DWG
APPRAISAL PLAT DATE : 12/22/2014
PLOT DATE :
PLOT DATE : 12/22/2014 12:03 PM
PLOT BY : OTIE
PLOT NAME : PLOT SCALE : 1007-10-23-4.12

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.13

THAT PART OF LOT 1, CSM 920, LOCATED IN THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 AND THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 11, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CHURCH STREET ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 920, CSM 9170, CSM 10311, CSM 12691 AND EXISTING CENTER LINE.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
21	ANDREW C. WOODMAN AND KELLY M. SCHMELZER	FEE, TLE	0.644	---	0.644	0.015	---
22	THOMAS W. GORST AND PATRICIA J. GORST	FEE, TLE	0.213	---	0.213	0.398	---
23	JOHN R. DRAUS AND SANDRA M. DRAUS	FEE, TLE	0.224	---	0.224	0.015	---
24	PHILIP R. WILDT & JOYCE A. WILDT, JOINT REVOCABLE TRUST	FEE	0.033	0.211	0.244	---	---
25	TOM & DONNA SAYRE FARMS, LLC	FEE, TLE	0.023	---	0.023	0.005	---
26	ROBERT W. RHYMES AND CHERYL H. RHYMES	FEE, TLE	0.280	---	0.280	0.142	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY, LLC
DOC.4776846 - PARCEL 23
DOC.4752115 - PARCEL 26
DOC.4754336 - PARCEL 26

(202) WISCONSIN POWER AND LIGHT COMPANY
NO EASEMENT OF RECORD - PARCEL 22, 23

(205) AT&T WISCONSIN (WISCONSIN BELL, INC.)
V.724, P.434, DOC.1024711 - PARCEL 21, 23

TLE STATION & OFFSET TABLE

T1350	2178+38.08	160.42'
T1351	55+50.00 'CS'	95.00'
T1352	55+50.00 'CS'	70.00'
T1353	57+20.00 'CS'	80.00'
T1354	58+10.00 'CS'	80.00'
T1355	58+10.00 'CS'	58.41'
T1356	56+65.00 'CS'	62.68'
T1357	56+65.00 'CS'	80.00'
T1358	56+15.00 'CS'	80.00'
T1359	56+15.00 'CS'	70.67'
T1360	46+65.00 'CS'	70.00'
T1361	46+10.00 'CS'	65.00'
T1362	46+10.00 'CS'	52.04'
T1363	46+10.00 'CS'	120.00'
T1364	48+50.00 'CS'	120.00'
T1365	2176+30.00	199.58'
T1366	2180+40.00	227.80'
T1367	2180+40.00	265.00'
T1368	2180+48.86	265.00'

R/W COURSE TABLE

1302-1303	S64°21'27"E	258.82'
1303-1304	S73°14'53"E	131.32'
1304-1305	N10°01'31"W	142.89'
1305-1306	N24°22'17"W	194.63'
1306-1307	N17°01'56"W	45.85'
1307-1308	N17°01'56"W	241.56'
1331-1309	S24°30'53"E	155.22'
1309-1310	S33°27'14"E	143.48'
1310-1311	S33°27'14"E	185.27'
1311-1312	S30°44'57"E	153.26'
1312-1313	S30°44'57"E	206.21'
1313-1314	S70°41'02"E	508.09'
1314-1315	S78°16'54"E	192.33'
1316-1317	N71°43'23"W	299.91'
1317-1318	N74°07'07"W	330.04'
1318-1319	S11°58'34"E	113.55'
1319-1320	S10°59'14"E	167.57'
1320-1321	S20°49'54"E	91.55'
1321-1322	S20°49'54"E	117.51'
1323-1324	N88°55'05"W	18.38'
1324-1325	SEE CURVE DATA ON SHEET	
1325-1326	SEE CURVE DATA ON SHEET	
1326-1327	N32°26'24"W	114.42'
1327-1328	N19°19'00"W	57.11'
1328-1329	N19°19'00"W	246.07'
1329-1330	N73°14'53"W	226.32'
1330-1301	N78°28'23"W	329.42'

R/W STATION & OFFSET TABLE

1301	2180+59.37	229.57'
1302	2181+87.03	200.44'
1303	2179+31.32	160.43'
1304	2178+00.00	160.42'
1305	55+25.37 'CS'	70.00'
1306	57+20.00 'CS'	70.00'
1307	57+65.48 'CS'	64.14'
1308	60+05.06 'CS'	33.28'
1309	58+50.00 'CS'	33.10'
1310	57+08.31 'CS'	55.75'
1311	55+25.37 'CS'	85.00'
1312	53+77.97 'CS'	105.61'
1313	2174+82.58	147.07'
1314	2169+75.00	124.31'
1315	2167+83.41	141.18'
1316	2166+75.20	222.99'
1317	2169+75.00	215.00'
1318	2173+05.00	220.00'
1319	46+66.63 'CS'	60.00'
1320	45+00.00 'CS'	35.10'
1321	44+08.08 'CS'	35.82'
1322	42+90.09 'CS'	35.33'
1323	43+18.49 'CS'	33.41'
1324	43+25.45 'CS'	50.41'
1325	44+08.08 'CS'	50.67'
1326	44+99.18 'CS'	49.81'
1327	46+10.00 'CS'	75.00'
1328	46+66.63 'CS'	75.15'
1329	2175+05.00	199.59'
1330	2177+31.32	198.58'
1331	60+05.22 'CS'	32.72'

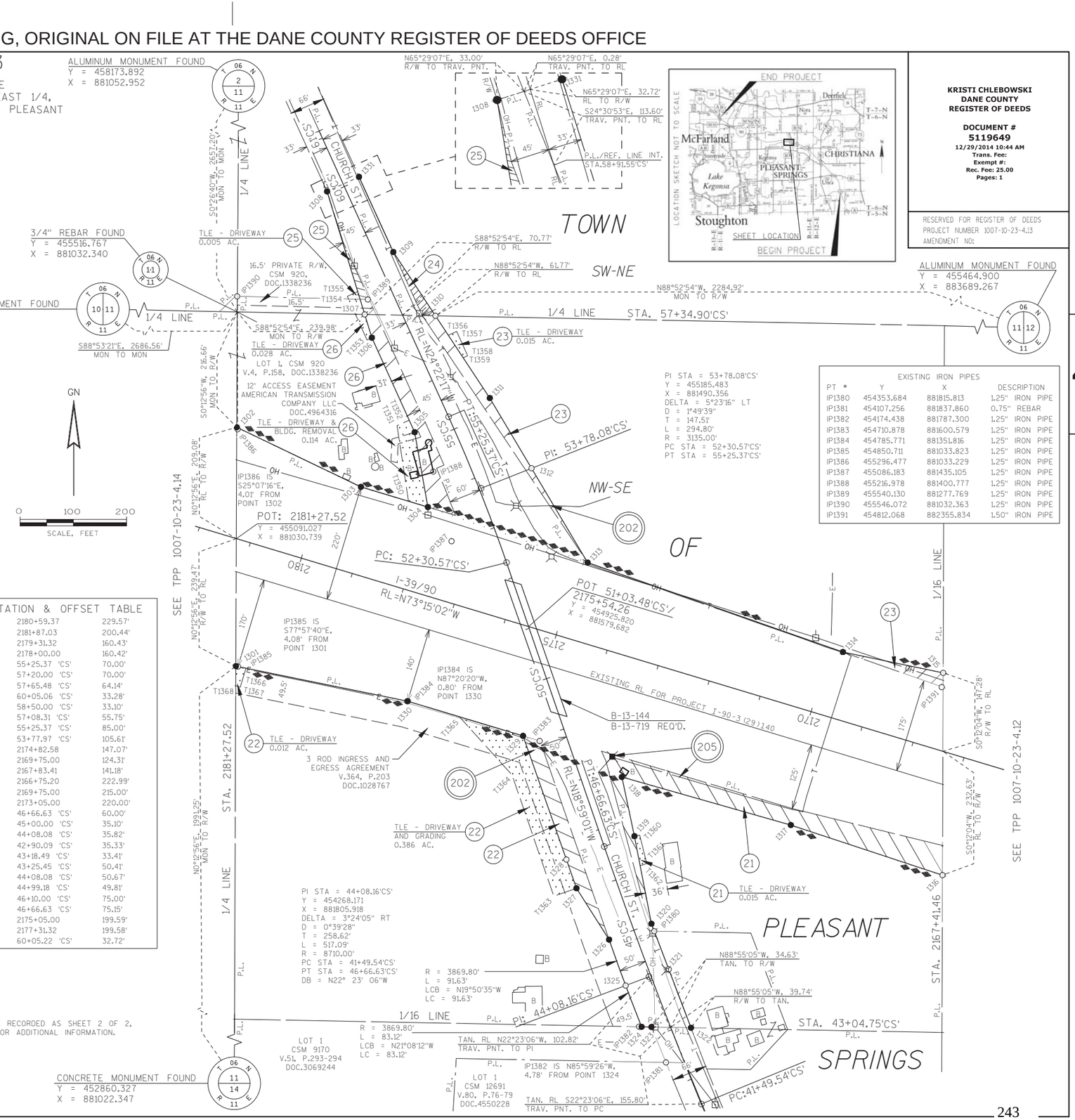
I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.13 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 12/22/2014 DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 12/23/2014 DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.



KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5119649
12/29/2014 10:44 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.13
AMENDMENT NO:

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040113_RP.DWG
APPRAISAL PLAT DATE : 12/22/2014
PLOT DATE : 12/22/2014 12:48 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : 1:100

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.14

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 11, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

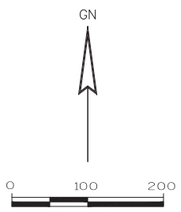
NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.



R/W STATION & OFFSET TABLE		
1401	2180+59.37	229.57'
1402	2181+65.00	229.56'
1403	2183+20.00	260.00'
1404	2185+50.00	229.55'
1405	2186+81.38	229.54'
1406	2188+50.00	189.51'
1410	2189+70.00	182.31'
1411	2194+73.62	188.65'
1412	2195+56.35	95.50'
1413	2193+65.56	95.49'
1414	2190+18.43	95.48'
1418	2186+31.36	200.46'
1419	2184+00.00	210.00'
1420	2181+87.03	200.44'

PLE STATION & OFFSET TABLE		
P1407	2189+10.00	185.91'
P1408	2189+10.00	200.00'
P1409	2189+70.00	200.00'
P1415	2190+00.00	100.47'
P1416	2190+00.00	125.00'
P1417	2189+09.57	125.00'

TLE STATION & OFFSET TABLE		
T1450	2180+48.86	265.00'
T1451	2181+90.00	265.00'
T1452	2182+10.00	285.00'
T1453	2182+10.00	325.00'
T1454	2182+50.00	325.00'
T1455	2182+50.00	246.25'

R/W COURSE TABLE		
1401-1402	N73°14'53"W	105.63'
1402-1403	N84°21'39"W	157.96'
1403-1404	N65°42'27"W	232.01'
1404-1405	N73°14'53"W	131.38'
1405-1406	N59°53'47"W	173.31'
1406-P1407	N69°49'07"W	60.11'
P1407-1410	N69°49'07"W	60.11'
1410-1411	N73°58'16"W	503.66'
1412-1413	S73°14'53"E	190.79'
1413-1414	S73°14'53"E	347.13'
1414-P1415	S88°25'31"E	19.09'
P1415-P1417	S88°25'31"E	93.69'
P1417-1418	S88°25'31"E	288.27'
1418-1419	S75°36'44"E	231.55'
1419-1420	S70°40'49"E	213.19

PLE COURSE TABLE		
P1407-P1408	S16°44'58"W	14.09'
P1408-P1409	N73°15'02"W	60.00'
P1409-1410	N16°44'58"E	17.69'
P1415-P1416	N16°44'58"E	24.53'
P1416-P1417	S73°15'02"E	90.43'

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP1480	454850.711	881033.823	1.25" IRON PIPE
IP1481	455031.001	880433.658	1.25" IRON PIPE
IP1482	455205.491	880131.180	1.25" IRON PIPE
IP1483	455296.477	881033.229	1.25" IRON PIPE
IP1484	455546.072	881032.363	1.25" IRON PIPE

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
26	ROBERT W. RHYMES AND CHERYL H. RHYMES	FEE, PLE	0.049	---	0.049	---	0.025
27	KIMBERLEY S. LEX	FEE, TLE, PLE	0.494	---	0.494	0.203	0.022

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY, LLC
DOC.4752115 - PARCEL 26
DOC.4754336 - PARCEL 26

(202) WISCONSIN POWER AND LIGHT COMPANY
NO EASEMENT OF RECORD - PARCEL 27

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

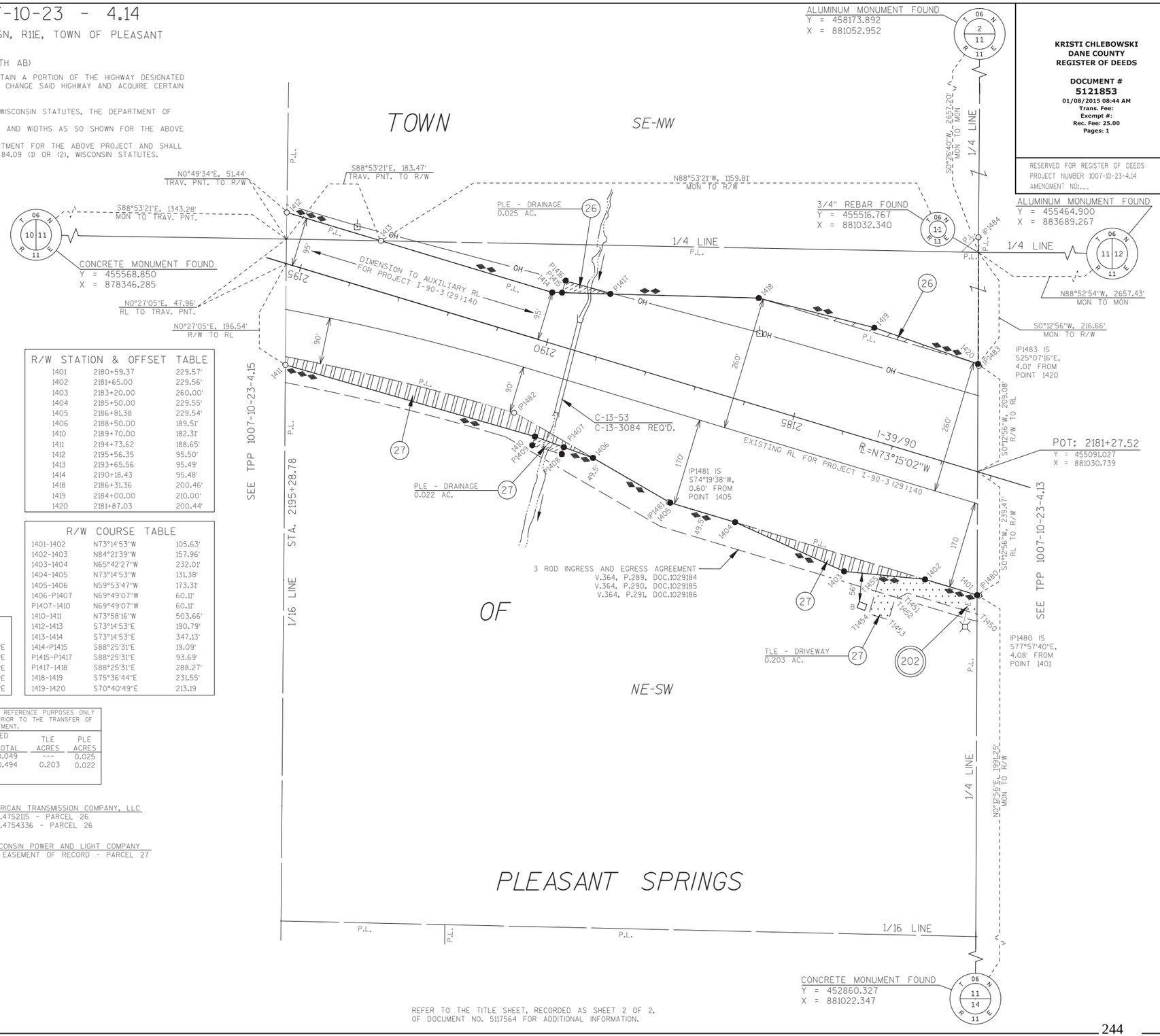
I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.14 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 1/5/2015 DATE
REGISTRATION NUMBER: S-2530

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

David R. Miller — 1/6/2015 DATE
DAVID R. MILLER



REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040114_RP.DWG
APPRAISAL PLAT DATE : 1/5/2015
PLOT DATE : 1/5/2015 2:22 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : 1:100

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.15

THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 11, T6N, R11E, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 10, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5236988
05/25/2016 11:45 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.15
AMENDMENT NO:___

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
28	DANIEL SPERLOEN THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE	0.126	---	0.126	---	---
29	WISCONSIN DEPARTMENT OF NATURAL RESOURCES; F.K.A. - THE STATE OF WISCONSIN (STATE CONSERVATION COMMISSION)	FEE	0.212	---	0.212	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

R/W COURSE TABLE

1501-1502	N73°58'16"W	107.72'
1502-1503	N83°23'43"W	544.57'
1503-1504	SEE CURVE DATA ON SHEET	
1504-1505	SEE CURVE DATA ON SHEET	
1505-1506	S73°58'51"W	309.47'
1506-1507	S73°58'51"W	163.85'
1507-1508	S73°58'52"W	125.93'
1508-1509	S69°32'13"W	495.28'
1510-1511	N81°49'07"E	517.83'
1511-1512	N81°49'11"E	136.56'
1512-1513	N81°49'11"E	240.28'
1513-1514	SEE CURVE DATA ON SHEET	
1514-1515	SEE CURVE DATA ON SHEET	
1515-1516	S73°19'15"E	757.67'
1516-1517	S73°14'53"E	101.36'
1517-1518	S73°14'53"E	24.98'

R/W STATION & OFFSET TABLE

1501	2194+73.62	188.65'
1502	2195+81.33	190.00'
1503	2201+50.00	252.74'
1504	2208+92.70	337.13'
1505	2212+00.18	370.24'
1506	2215+33.37	426.83'
1507	2216+95.44	450.93'
1508	2218+20.00	469.44'
1509	2223+02.78	580.00'
1510	2221+87.72	174.99'
1511	2216+69.92	180.57'
1512	2215+33.37	182.04'
1513	2213+02.57	190.65'
1514	2208+87.54	182.38'
1515	2204+13.85	172.52'
1516	2196+80.62	96.60'
1517	2195+81.33	95.50'
1518	2195+56.35	95.50'

SIGN NUMBER	SIGN OWNER	OASIS NO.
28-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE DANIEL SPERLOEN	14596

ALUMINUM MONUMENT FOUND
Y = 458219.795
X = 878402.200

PI STA = 2205+72.27
Y = 455795.570
X = 878689.716
DELTA = 24°18'50" LT
D = 1°14'44"
T = 990.93'
L = 1952.04'
R = 4600.00'
PC STA = 2195+81.33
PT STA = 2215+33.37

GN

0 100 200
SCALE, FEET

TOWN OF PLEASANT SPRINGS

SECTION LINE
1/16 LINE
1/4 LINE
P.L.
STA. 2208+89.86
STA. 2222+14.51
STA. 2197+13.48
STA. 2195+28.78
PI: 2205+72.27
PC: 2195+81.33
PT: 2215+33.37

SE-NE
SW-NW
NW-SW
NE-SE

R = 4738.80'
L = 431.95'
LCB = N88°59'27"E
LC = 431.80'

R = 4738.80'
L = 492.06'
LCB = S85°25'23"E
LC = 491.84'

R = 4493.80'
L = 285.76'
LCB = S81°50'56"W
LC = 285.71'

R = 4493.80'
L = 700.11'
LCB = S88°08'02"W
LC = 699.40'

S1°12'30"W, 2332.84'
MON TO R/W

S1°12'30"W, 136.93'
R/W TO RL TAN.

RL TAN. S82°26'08"W, 342.58'
PI TO SEC. LINE

RL TAN. S73°15'02"E, 865.59'
PI TO 1/4 LINE

N1°12'30"E, 181.66'
MON TO RL TAN.

S88°53'21"E, 170.76'
RL TAN. TO TRAV. PNT.

S88°53'21"E, 1172.52'
MON TO RL TAN.

RL TAN. N73°15'02"W, 125.34' PC TO 1/4 LINE

S0°49'34"W, 51.44'
R/W TO TRAV. PNT.

3/4" REBAR FOUND
Y = 455516.767
X = 881032.340

N88°53'21"W, 1343.28'
MON TO TRAV. PNT.

S0°27'05"W, 47.96'
TRAV. PNT. TO RL

RL=N73°15'02"W

S0°27'05"W, 196.54'
RL TO R/W

N87°43'02"E, 1316.31'
MON TO TRAV. PNT.

N1°08'18"E, 177.03'
RL TO R/W

N1°08'18"E, 59.05'
TRAV. PNT. TO RL

S87°43'02"W, 1316.31'
MON TO TRAV. PNT.

S0°41'19"W, 200.95'
MON TO R/W

N0°41'19"E, 2438.66'
MON TO R/W

N1°05'01"E, 527.63'
R/W TO TRAV. PNT.

CONCRETE MONUMENT FOUND
Y = 455568.850
X = 878346.285

1 1/4" REBAR SET
Y = 455463.993
X = 875715.754

ALUMINUM MONUMENT FOUND
Y = 452929.430
X = 878314.567

EXISTING AUXILIARY RL FOR PROJECT I-90-3(29)140

EXISTING RL FOR PROJECT I-90-3(29)140

I 39/90

RL=S82°26'08"W

RL TAN. N82°26'08"E, 648.35' PT TO SEC. LINE

C-13-04
C-13-3086 REQ'D.

C-13-03
C-13-3085 REQ'D.

C-13-02
C-13-3087 REQ'D.

SIGN 28-1

28

29

POND

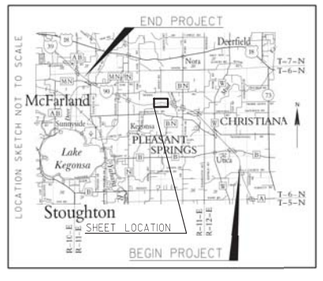
POND

3 ROD INGRESS AND EGRESS AGREEMENT
V.364, P.289, DOC.1029184
V.364, P.290, DOC.1029185
V.364, P.291, DOC.1029186

SEE TPP 1007-10-23-4.16

SEE TPP 1007-10-23-4.14

PLEASANT SPRINGS



NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.15 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/16/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE Oneida Tribal Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/17/2016 DATE

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040115_RP.DWG
APPRAISAL PLAT DATE : 5/16/2016
PLOT DATE : 5/16/2016 7:43 AM PLOT BY : OTIE PLOT NAME : PLOT SCALE : 1'' = 100'

1007-10-23-4.15

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
29	WISCONSIN DEPARTMENT OF NATURAL RESOURCES; F.K.A. - THE STATE OF WISCONSIN (STATE CONSERVATION COMMISSION)	FEE	1.476	---	1.476	---	---
30	ERIC W. OLSON & CHRISTINA L. OLSON	FEE	0.016	---	0.016	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.16

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 10, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

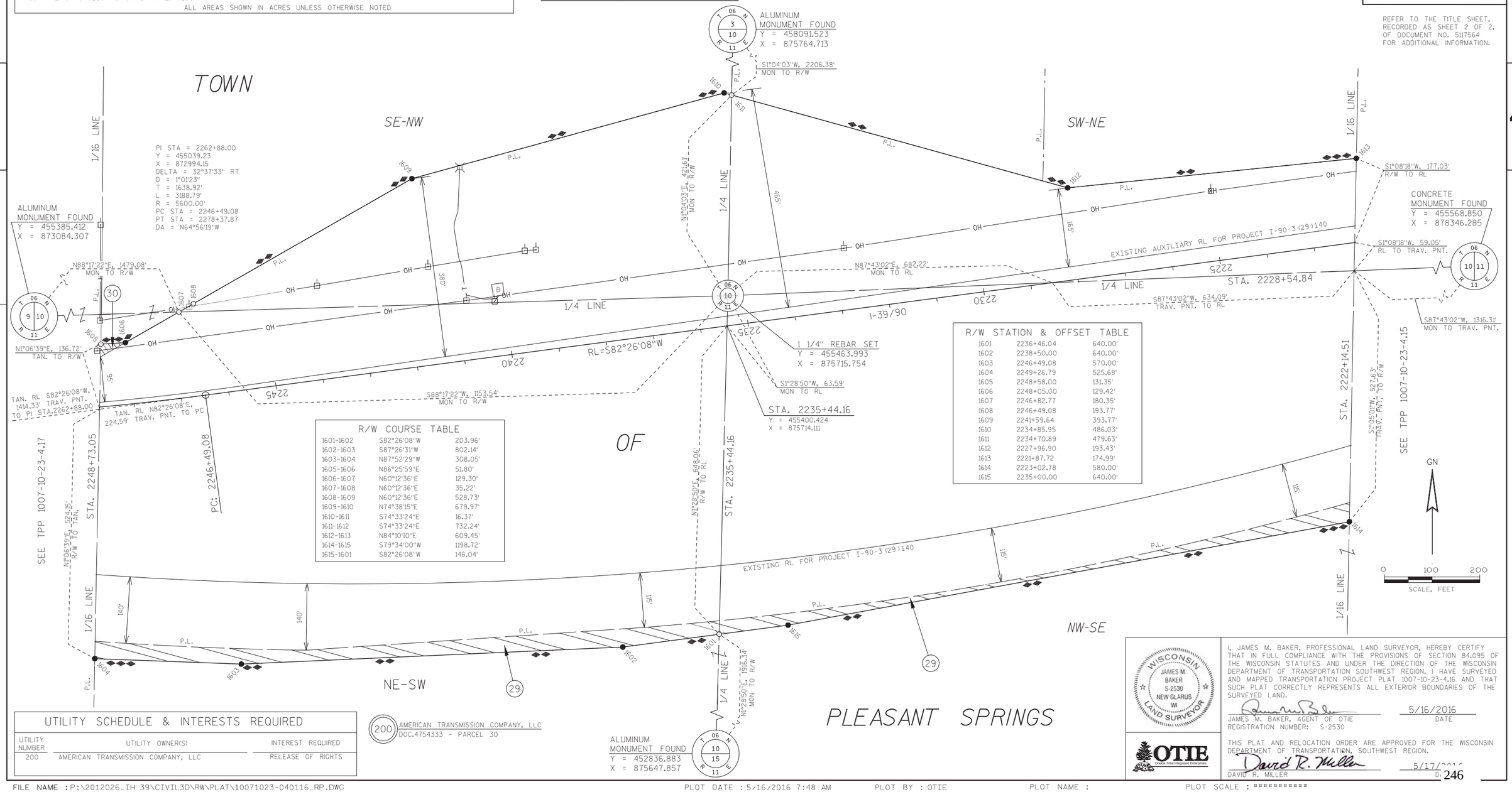
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5236992
05/25/2016 12:00 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.16
AMENDMENT NO:___

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.



R/W COURSE TABLE

1601-1602	S82°26'08"W	203.96'
1602-1603	S87°26'31"W	802.14'
1603-1604	N87°52'29"W	308.05'
1605-1606	N86°25'59"E	51.80'
1606-1607	N60°12'36"E	129.30'
1607-1608	N60°12'36"E	35.22'
1608-1609	N60°12'36"E	528.73'
1609-1610	N74°38'15"E	679.97'
1610-1611	S74°33'24"E	16.37'
1611-1612	S74°33'24"E	732.24'
1612-1613	N84°10'10"E	609.45'
1614-1615	S79°34'00"W	1198.72'
1615-1601	S82°26'08"W	146.04'

R/W STATION & OFFSET TABLE

1601	2236+46.04	640.00'
1602	2238+50.00	640.00'
1603	2246+49.08	570.00'
1604	2249+26.79	525.68'
1605	2248+58.00	131.35'
1606	2248+05.00	129.42'
1607	2246+82.77	180.35'
1608	2246+49.08	193.77'
1609	2241+59.64	393.77'
1610	2234+85.95	486.03'
1611	2234+70.89	479.63'
1612	2227+96.90	193.43'
1613	2221+87.72	174.99'
1614	2223+02.78	580.00'
1615	2235+00.00	640.00'

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY, LLC
DOC.4754333 - PARCEL 30

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.16 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/16/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/17/2016 D

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040116_RP.DWG
APPRAISAL PLAT DATE : 5/16/2016
PLOT DATE : 5/16/2016 7:48 AM PLOT BY : OTIE PLOT NAME : PLOT SCALE : **********

1007-10-23-4.16

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.17 AMENDMENT NO. 1

AMENDS PARCEL 31 OF TPP 1007-10-23-4.17 RECORDED AS DOCUMENT NUMBER 5236993.
THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, IN SECTION 10, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5240085
06/07/2016 1:47 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.17
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
31	THE NEAL E. ELSING LIVING TRUST AND THE MARK ELSING REVOCABLE TRUST *	FEE	1.597	---	1.597	---	---
32	MICHAEL CHAMPAGNE & RENELLE CHAMPAGNE	FEE	0.525	---	0.525	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

* YAHARA MATERIALS, INC. (LEASE-DOC.5000934)

R/W COURSE TABLE

1701-1702	S77°35'11"E	141.42'
1702-1703	S77°35'11"E	188.27'
1703-1704	S87°57'24"E	498.58'
1704-1705	N86°25'59"E	495.26'
1706-1707	N87°52'29"W	332.22'
1707-1708	N81°46'48"W	496.71'
1708-1709	N77°40'17"W	495.95'
1709-1710	S83°23'19"W	109.28'
1710-1711	S83°23'19"W	62.96'
1711-1712	N59°43'49"W	338.41'
1712-1713	SEE CURVE DATA ON SHEET	
1713-1714	SEE CURVE DATA ON SHEET	
IP1782-1715	SEE CURVE DATA ON SHEET	
1715-1701	SEE CURVE DATA ON SHEET	

R/W STATION & OFFSET TABLE

1701	2262+11.43	155.00'
1702	2260+66.63	143.33'
1703	2258+75.00	122.16'
1704	2253+65.00	125.00'
1705	2248+58.00	131.35'
1706	2249+26.79	525.68'
1707	2252+30.00	495.00'
1708	2256+85.00	430.00'
1709	2261+44.62	370.00'
1710	2262+43.48	398.02'
1711	2263+00.00	415.00'
1712	2266+00.00	302.51'
1713	2274+48.63	242.90'
1714	2274+88.18	240.95'
IP1782	2276+44.80	146.55'
1715	2262+43.48	154.91'

ALUMINUM MONUMENT FOUND
Y = 458077.723
X = 873081.030

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP1780	455370.194	871742.333	1.25" IRON PIPE
IP1781	455781.082	871741.654	1" IRON PIPE
IP1782	455789.513	871743.254	0.75" REBAR

PI STA = 2262+88.00
Y = 455039.225
X = 872994.147
DELTA = 32°37'33" RT
D = 1°01'23"
T = 1638.92'
L = 3188.79'
R = 5600.00'
PC STA = 2246+49.08
PT STA = 2278+37.87
DA = N64°56'19"W
DB = N82°26'08"E

1 1/4 REBAR SET
Y = 455463.993
X = 875715.754

ALUMINUM MONUMENT FOUND
Y = 455385.412
X = 873084.307

ALUMINUM MONUMENT FOUND
Y = 452747.163
X = 873050.116

200 AMERICAN TRANSMISSION COMPANY, LLC
DOC.4760852 - PARCEL 32

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.17 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 6/6/2016 DATE
REGISTRATION NUMBER: S-2530

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

OTIE Onsite Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 6/6/2016 DATE

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040117_A1_RP .DWG
PLOT DATE : 6/6/2016 7:11 AM PLOT BY : OTIE PLOT NAME : PLOT SCALE : ''''''''''''
APPRAISAL PLAT DATE : 6/6/2016
1007-10-23-4.17 AMENDMENT NO: 1

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.17

THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, IN SECTION 10, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5236993
05/25/2016 12:00 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.17
AMENDMENT NO:___

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
31	THE NEAL E. ELSING LIVING TRUST AND THE MARK ELSING REVOCABLE TRUST *	FEE	1.635	---	1.635	---	---
32	MICHAEL CHAMPAGNE & RENELLE CHAMPAGNE	FEE	0.525	---	0.525	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

* YAHARA MATERIALS, INC. (LEASE-DOC.5000934)

R/W COURSE TABLE

1701-1702	S77°35'11"E	141.42'
1702-1703	S77°35'11"E	188.27'
1703-1704	S87°57'24"E	498.58'
1704-1705	N86°25'59"E	495.26'
1706-1707	N87°52'29"W	332.22'
1707-1708	N81°46'48"W	496.71'
1708-1709	N77°40'17"W	495.95'
1709-1710	S83°23'19"W	109.28'
1710-1711	S83°23'19"W	62.96'
1711-1712	N59°43'49"W	338.41'
1712-1713	SEE CURVE DATA ON SHEET	
1713-1714	SEE CURVE DATA ON SHEET	
IP1782-1715	SEE CURVE DATA ON SHEET	
1715-1701	SEE CURVE DATA ON SHEET	

R/W STATION & OFFSET TABLE

1701	2262+11.43	155.00'
1702	2260+66.63	143.33'
1703	2258+75.00	122.16'
1704	2253+65.00	125.00'
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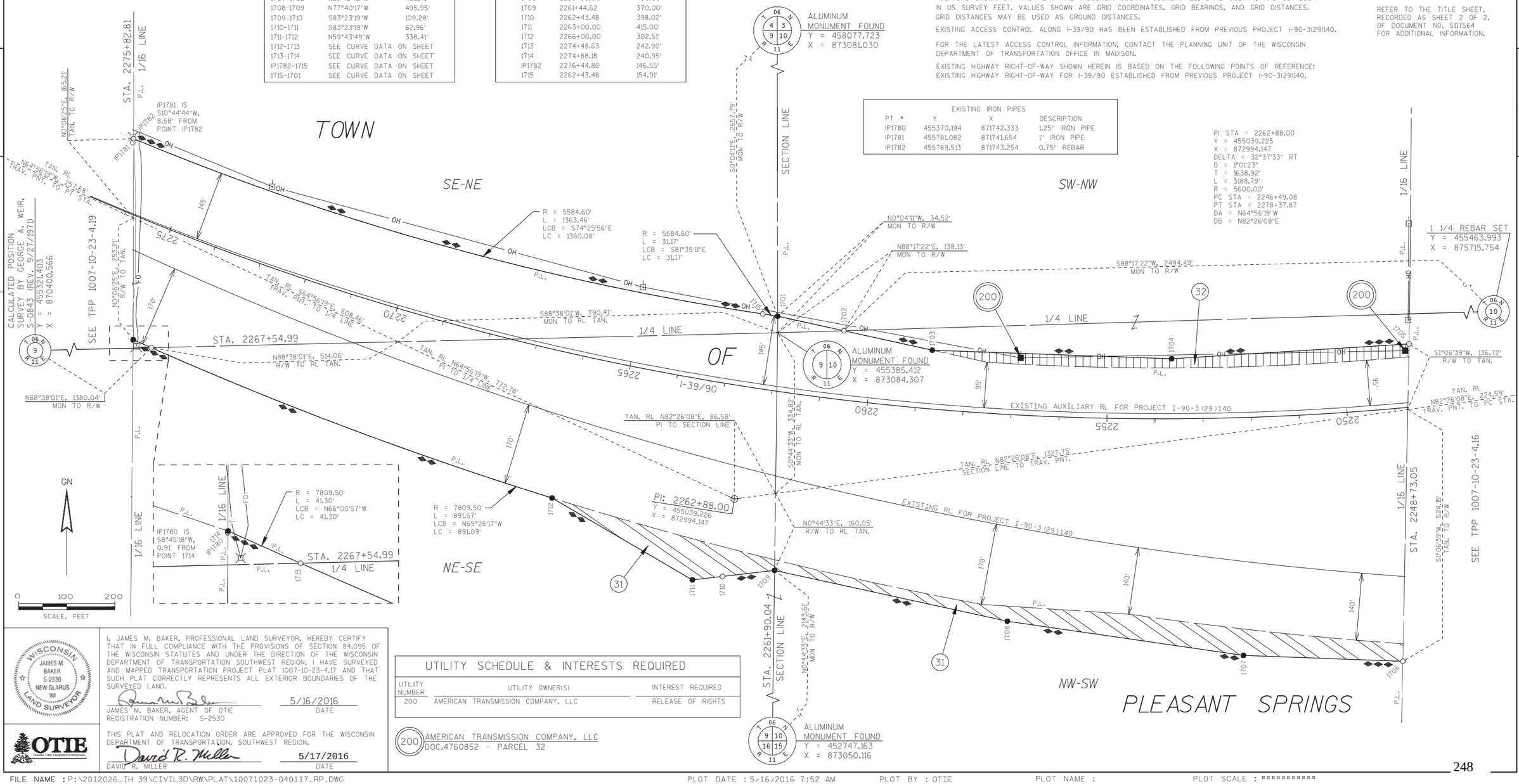
1711	2263+00.00	415.00'
1712	2266+00.00	302.51'
1713	2274+48.63	242.90'
1714	2274+88.18	240.95'
IP1782	2276+44.80	146.55'
1715	2262+43.48	154.91'



EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP1780	455370.194	871742.333	1.25" IRON PIPE
IP1781	455781.082	871741.654	1" IRON PIPE
IP1782	455789.513	871743.254	0.75" REBAR

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.17 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/16/2016 DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/17/2016 DATE

CALCULATED POSITION SURVEY BY GEORGE A. WEIR, (REV. 9/27/1971) S-0843 Y = 455321.403 X = 870400.566

1007-10-23-4.19

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040117_RP.DWG
APPRAISAL PLAT DATE : 5/16/2016
PLOT DATE : 5/16/2016 7:52 AM PLOT BY : OTIE PLOT NAME : PLOT SCALE : ''''''''''''

1007-10-23-4.17

COMPOSITE DRAWING. ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.18

THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5186305
09/25/2015 8:45 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.18
AMENDMENT NO:___

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
33	JOEL E. HOUGAN	TLE	---	---	---	0.336	---
34	DANIEL SPERLOEN	TLE	---	---	---	0.075	---
35	VOGEL BROS. BUILDING CO.	FEE, TLE	0.011	0.752	0.763	0.046	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

CALCULATED POSITION
SURVEY BY GEORGE A. WEIR, S-0843 (REV. 9/27/1971)
Y = 455321.403
X = 870400.566

SEE TPP 1007-10-23-4.20

SEE TPP 1007-10-23-4.19

N88°24'33"E, 51.01' RL TO TRAV. PNT.

N88°24'33"E, 67.63' R/W TO RL

S0°17'11"W, 1322.11' MON TO TRAV. PNT.

N88°33'53"E, 1.72' TRAV. PNT. TO R/W

TOWN OF PLEASANT SPRINGS

SE-SW

SW-SE

STA.77+55.36'NN'

STA.64+33.02'NN'

1/16 LINE

1/4 LINE

CTH N

KOSHKONONG ROAD

SECTION LINE

TLE - TEMPORARY ROAD 0.150 AC. (33)

TLE - TEMPORARY ROAD 0.075 AC. (34)

TLE - TEMPORARY ROAD 0.186 AC. (33)

TLE - DRIVEWAY 0.046 AC. (35)

TLE - DRIVEWAY 0.046 AC. (35)

N89°42'49"W, 1.06' R/W TO 1/4 LINE

N1°48'54"W, 40.00' TRAV. PNT. TO R/W

S1°30'17"E, 40.00' R/W TO TRAV. PNT.

S88°11'06"W, 110.72' RL TO TRAV. PNT.

S88°29'43"W, 57.14' TRAV. PNT. TO MON

S88°29'43"W, 2606.54' MON TO TRAV. PNT.

N88°11'06"E, 2498.66' MON TO TRAV. PNT.

S88°11'06"W, 51.79' MON TO RL

POT STA.64+29.26'NN'
Y = 452671.817
X = 870335.563

ALUMINUM MONUMENT FOUND
Y = 452592.934
X = 867727.505

PK NAIL FOUND
Y = 452677.217
X = 870387.350

ALUMINUM MONUMENT FOUND
Y = 452747.163
X = 873050.116

R/W STATION & OFFSET TABLE

1801	64+68.87	'NN'	112.14'
1802	65+25.85	'NN'	57.24'
1803	76+60.00	'NN'	57.30'
1804	77+53.11	'NN'	67.60'
1805	77+57.12	'NN'	52.70'
1806	65+29.77	'NN'	52.76'
1807	64+76.75	'NN'	107.60'

R/W COURSE TABLE

1801-1802	N44°15'04"E	79.12'
1802-1803	N0°19'02"E	1134.15'
1803-1804	N5°59'34"W	93.68'
1805-1806	S0°19'02"W	1227.35'
1806-1807	S45°38'59"E	76.28'

TLE STATION & OFFSET TABLE

T1850	76+60.00	'NN'	80.00'
T1851	77+52.44	'NN'	87.62'
T1852	77+57.95	'NN'	80.00'
T1853	71+00.00	'NN'	80.00'
T1854	71+00.00	'NN'	52.73'

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP1880	453996.182	870285.850	1" IRON PIPE

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368501), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S.0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

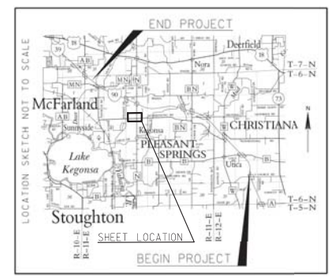
(200) AMERICAN TRANSMISSION COMPANY LLC
DOC.3282843 - PARCEL 33, 34

(202) WISCONSIN POWER AND LIGHT COMPANY
V.147 P.328 DOC.632524 - PARCEL 33, 34

(205) AT&T WISCONSIN (WISCONSIN BELL, INC.)
V.322 P.565 DOC.963952 - PARCEL 33

GN

0 100 200
SCALE, FEET



REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

WISCONSIN LAND SURVEYOR JAMES M. BAKER S-2530 NEW GLARUS WI

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.18 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 9/17/2015 DATE
REGISTRATION NUMBER: S-2530

OTIE Orveda Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

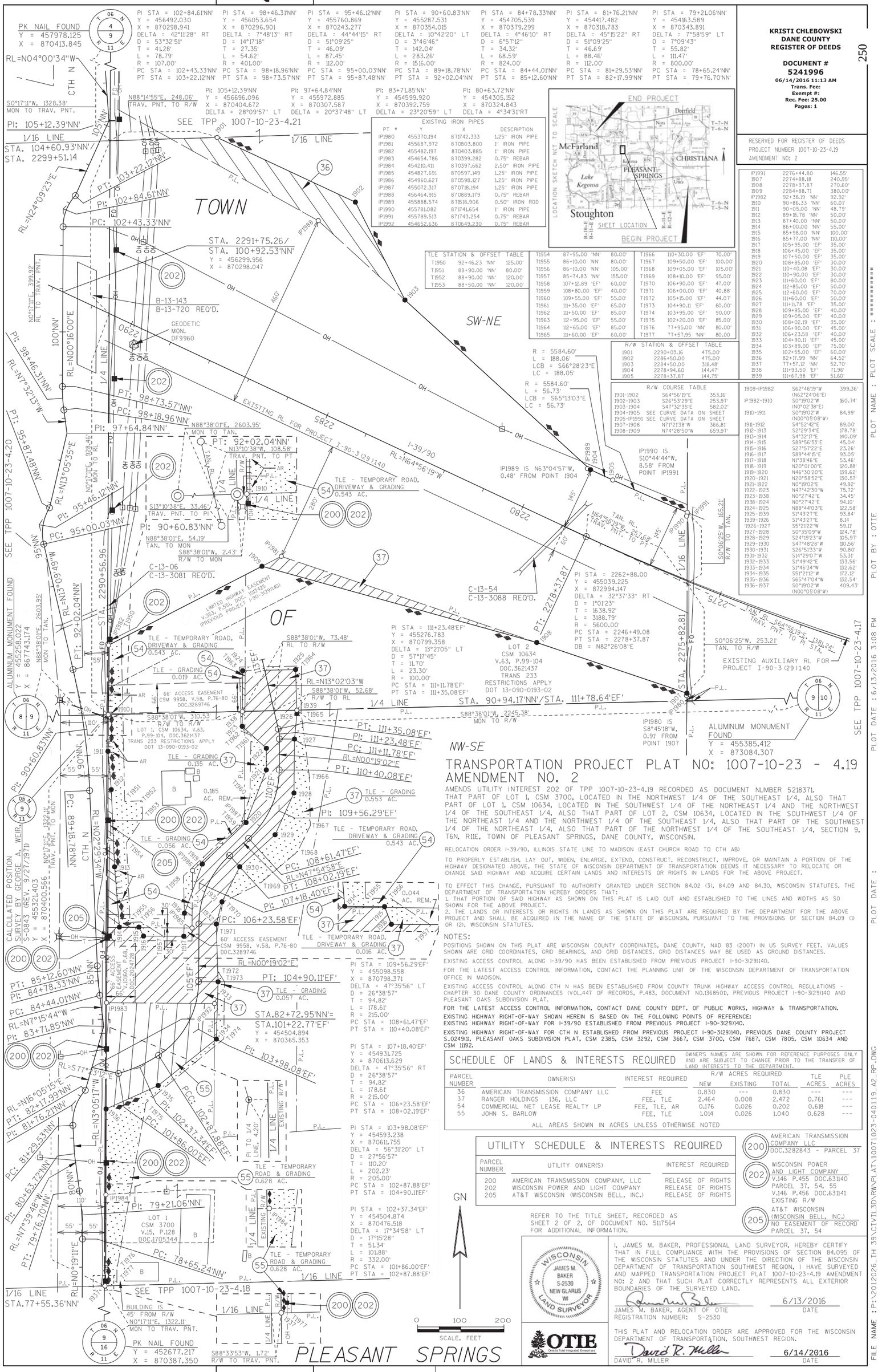
DAVID R. MILLER — 9/22/2015 D

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040118_RP.DWC
APPRAISAL PLAT DATE : 9/17/2015
PLOT DATE : 9/17/2015 2:56 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : ==========

1007-10-23-4.18

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4



COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5226531
04/12/2016 1:11 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

251

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.19
AMENDMENT NO: 1

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.19 AMENDMENT NO. 1

AMENDS PARCELS 37 AND 54 OF TPP 1007-10-23-4.19 RECORDED AS DOCUMENT NUMBER 5218371.
THAT PART OF LOT 1, CSM 3700, LOCATED IN THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF LOT 1, CSM 10634, LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 AND THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF LOT 2, CSM 10634, LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 AND THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368500), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	TLE ACRES	PLE ACRES
36	AMERICAN TRANSMISSION COMPANY LLC	FEE	0.830	---	0.830	---	---
37	RANGER HOLDINGS 136, LLC	FEE, TLE	2.464	0.008	2.472	0.761	---
54	COMMERCIAL NET LEASE REALTY LP	FEE, TLE, AR	0.176	0.026	0.202	0.618	---
55	JOHN S. BARLOW	FEE, TLE	1.014	0.026	1.040	0.628	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

PARCEL NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY LLC — DOC.3282843 - PARCEL 37
(202) WISCONSIN POWER AND LIGHT COMPANY — V.146 P.455 DOC.631140 PARCEL 37, 54, 55
(205) AT&T WISCONSIN (WISCONSIN BELL, INC.) — NO EASEMENT OF RECORD PARCEL 37, 54

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.19 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

4/8/2016
DATE

JAMES M. BAKER, AGENT OF OTIE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

4/11/2016
DATE

DAVID R. MILLER

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

OTIE Onsite Total Integrated Enterprises

SCALE, FEET: 0 100 200

GN

PLEASANT SPRINGS

SEE TPP 1007-10-23-4.18

SEE TPP 1007-10-23-4.20

SEE TPP 1007-10-23-4.21

PK NAIL FOUND
Y = 457978.125
X = 870413.845

PK NAIL FOUND
Y = 452677.217
X = 870387.350

ALUMINUM MONUMENT FOUND
Y = 455258.022
X = 867743.174

ALUMINUM MONUMENT FOUND
Y = 455385.412
X = 873084.307

CALCULATED POSITION SURVEY BY GEORGE A. WEIR (REV. 9/27/1971)
S-0843
Y = 455321.403
X = 870400.566

GEODETIC MON. DF9960

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP1980	455370.194	871742.333	1.25" IRON PIPE
IP1981	455687.972	870803.800	1" IRON PIPE
IP1982	455482.197	870403.885	1" IRON PIPE
IP1983	454654.786	870399.282	0.75" REBAR
IP1984	454210.411	870397.662	2.50" IRON PIPE
IP1985	454827.691	870597.149	1.25" IRON PIPE
IP1986	454960.627	870598.127	1.25" IRON PIPE
IP1987	455072.317	870718.194	1.25" IRON PIPE
IP1988	456464.915	870889.179	0.75" REBAR
IP1989	455888.574	871518.906	0.50" IRON ROD
IP1990	455781.082	871741.654	1" IRON PIPE
IP1991	455789.513	871743.254	0.75" IRON PIPE
IP1992	454652.636	870649.230	0.75" REBAR

TLE STATION & OFFSET TABLE

T1950	92+46.23	'NN'	125.00'
T1951	88+90.00	'NN'	80.00'
T1952	88+90.00	'NN'	120.00'
T1953	88+50.00	'NN'	120.00'
T1954	87+95.00	'NN'	80.00'
T1955	86+10.00	'NN'	80.00'
T1956	86+10.00	'NN'	105.00'
T1957	85+74.83	'NN'	155.00'
T1958	107+12.89	'EF'	60.00'
T1959	108+80.00	'EF'	40.00'
T1960	109+55.00	'EF'	55.00'
T1961	111+35.00	'EF'	65.00'
T1962	111+50.00	'EF'	85.00'
T1963	112+95.00	'EF'	55.00'
T1964	112+65.00	'EF'	85.00'
T1965	111+60.00	'EF'	60.00'
T1966	110+30.00	'EF'	70.00'
T1967	109+50.00	'EF'	100.00'
T1968	109+05.00	'EF'	105.00'
T1969	108+10.00	'EF'	95.00'
T1970	106+90.00	'EF'	47.00'
T1971	106+00.00	'EF'	40.88'
T1972	105+15.00	'EF'	44.07'
T1973	104+90.11	'EF'	60.00'
T1974	103+95.00	'EF'	90.00'
T1975	102+20.00	'EF'	85.00'
T1976	77+95.00	'NN'	80.00'
T1977	77+57.95	'NN'	80.00'

R/W STATION & OFFSET TABLE

1901	2290+03.16	475.00'
1902	2286+50.00	475.00'
1903	2284+50.00	318.48'
1904	2278+94.60	144.47'
1905	2278+37.87	144.15'

R/W COURSE TABLE

1901-1902	S64°56'19"E	353.16'
1902-1903	S26°53'29"E	253.97'
1903-1904	S47°32'35"E	582.02'
1904-1905	SEE CURVE DATA ON SHEET	
1905-IP1991	SEE CURVE DATA ON SHEET	
1907-1908	N71°21'38"W	366.81'
1908-1909	N74°28'50"W	659.97'
1909-IP1982	S62°46'19"W	399.36'
IP1982-1910	(N62°24'06"E) S0°19'02"W (N0°02'38"E)	160.74'
1910-1911	S0°19'02"W (N00°05'08"W)	84.99'
1911-1912	S4°52'42"E	89.00'
1912-1913	S2°29'34"E	178.78'
1913-1914	S4°32'17"E	140.09'
1914-1915	S89°56'53"E	45.04'
1915-1916	S27°51'22"E	23.26'
1916-1917	S89°44'15"E	93.05'
1917-1918	N1°38'46"E	53.46'
1918-1919	N20°01'00"E	120.88'
1919-1920	N46°30'20"E	139.62'
1920-1921	N20°58'52"E	130.57'
1921-1922	N0°19'02"E	49.92'
1922-1923	N41°42'30"W	75.12'
1923-1938	N0°27'42"E	34.45'
1938-1924	N0°27'42"E	94.10'
1924-1925	N88°44'03"E	122.58'
1925-1939	S1°43'27"E	93.84'
1939-1926	S1°43'27"E	8.14
1926-1927	S5°21'22"W	59.11'
1927-1928	S0°35'09"W	124.78'
1928-1929	S24°19'23"W	105.97'
1929-1930	S47°48'28"W	110.56'
1930-1931	S26°51'33"W	90.80'
1931-1932	S14°29'07"W	53.31'
1932-1933	S1°49'42"E	133.56'
1933-1934	S1°46'34"W	132.62'
1934-1935	S57°21'12"W	172.12'
1935-1936	S65°47'04"W	132.54'
1936-1937	S0°19'02"W (N00°05'08"W)	409.43'

PI STA = 102+84.61'NN'
Y = 456492.030
X = 870298.941
DELTA = 42°11'28" RT
D = 53°32'51"
T = 41.28'
L = 78.79'
R = 107.00'
PC STA = 102+43.33'NN'
PT STA = 103+22.12'NN'

PI STA = 98+46.31'NN'
Y = 456053.654
X = 870296.901
DELTA = 7°48'13" RT
D = 14°17'18"
T = 27.35'
L = 54.62'
R = 401.00'
PC STA = 98+18.96'NN'
PT STA = 98+73.57'NN'

PI STA = 95+46.12'NN'
Y = 455760.869
X = 870243.277
DELTA = 44°44'15" RT
D = 51°09'25"
T = 46.09'
L = 87.45'
R = 112.00'
PC STA = 95+00.03'NN'
PT STA = 95+87.48'NN'

PI STA = 90+60.83'NN'
Y = 455287.531
X = 870354.015
DELTA = 10°42'20" LT
D = 3°46'46"
T = 142.04'
L = 283.26'
R = 1516.00'
PC STA = 89+18.78'NN'
PT STA = 92+02.04'NN'

PI STA = 84+78.33'NN'
Y = 454705.539
X = 870379.299
DELTA = 4°46'10" RT
D = 6°57'12"
T = 34.32'
L = 68.59'
R = 824.00'
PC STA = 84+44.01'NN'
PT STA = 85+12.60'NN'

PI STA = 81+76.21'NN'
Y = 454417.482
X = 870318.783
DELTA = 45°15'22" RT
D = 51°09'25"
T = 46.69'
L = 88.46'
R = 112.00'
PC STA = 81+29.53'NN'
PT STA = 82+17.99'NN'

PI STA = 79+21.06'NN'
Y = 454163.589
X = 870343.891
DELTA = 7°58'59" LT
D = 7°09'43"
T = 55.82'
L = 111.47'
R = 800.00'
PC STA = 78+65.24'NN'
PT STA = 79+76.70'NN'

PI: 105+12.39'NN'
Y = 456696.096
X = 870404.672
DELTA = 28°09'57" LT
DELTA = 20°37'48" LT

PI: 97+64.84'NN'
Y = 455972.885
X = 870307.587
DELTA = 23°20'59" LT

PI: 83+71.85'NN'
Y = 454599.920
X = 870392.759
DELTA = 4°34'31"RT

PI: 80+63.72'NN'
Y = 454305.152
X = 870324.843
DELTA = 4°34'31"RT

PI STA = 111+23.48'EF'
Y = 455276.783
X = 870799.358
DELTA = 13°21'05" LT
D = 57°17'45"
T = 11.70'
L = 23.30'
R = 100.00'
PC STA = 111+11.78'EF'
PT STA = 111+35.08'EF'

PI STA = 2262+88.00
Y = 455039.225
X = 872994.147
DELTA = 32°37'33" RT
D = 1°01'23"
T = 1638.92'
L = 3188.79'
R = 5600.00'
PC STA = 2246+49.08
PT STA = 2278+37.87
DB = N82°26'08"E

PI STA = 109+56.29'EF'
Y = 455098.558
X = 870798.371
DELTA = 47°35'56" LT
D = 26°38'57"
T = 94.82'
L = 178.61'
R = 215.00'
PC STA = 108+61.47'EF'
PT STA = 110+40.08'EF'

PI STA = 107+18.40'EF'
Y = 454931.725
X = 870613.629
DELTA = 47°35'56" RT
D = 26°38'57"
T = 94.82'
L = 178.61'
R = 215.00'
PC STA = 106+23.58'EF'
PT STA = 108+02.19'EF'

PI STA = 103+98.08'EF'
Y = 454593.238
X = 870611.755
DELTA = 56°31'20" LT
D = 27°56'57"
T = 110.20'
L = 202.23'
R = 205.00'
PC STA = 102+87.88'EF'
PT STA = 104+90.11'EF'

PI STA = 102+37.34'EF'
Y = 454504.874
X = 870476.518
DELTA = 17°34'58" LT
D = 17°15'28"
T = 51.34'
L = 101.88'
R = 332.00'
PC STA = 101+86.00'EF'
PT STA = 102+87.88'EF'

PI: 105+12.39'NN'
PI: 103+22.12'NN'
PI: 102+84.61'NN'
PC: 102+43.33'NN'
STA. 2291+75.26/
STA. 100+92.53'NN'
Y = 456299.956
X = 870298.047
PI: 98+46.31'NN'
PT: 98+73.57'NN'
PC: 98+18.96'NN'
RL=N7°32'13"W
PI: 97+64.84'NN'
PT: 92+02.04'NN'
PI: 95+46.12'NN'
PC: 95+00.03'NN'
PI: 90+60.83'NN'
PC: 89+18.78'NN'
PI: 85+12.60'NN'
PI: 84+78.33'NN'
PC: 84+44.01'NN'
RL=N7°15'44"W
PI: 83+71.85'NN'
RL=S7°53'12"E
RL=N16°05'15"E
PT: 82+17.99'NN'
PI: 81+76.21'NN'
PC: 81+29.53'NN'
PI: 80+63.72'NN'
PT: 79+76.70'NN'
PI: 79+21.06'NN'
PC: 78+65.24'NN'
RL=N0°19'11"E
1/16 LINE
STA.77+55.36'NN'

RL=N24°09'23"E
RL=N0°16'00"E
RL=N13°05'35"E
RL=N13°09'49"W
RL=N0°28'39"W
RL=N0°27'37"W
RL=N3°05'17"W
RL=N64°56'19"W
RL=N7°15'44"W
RL=S7°53'12"E
RL=N16°05'15"E
RL=N3°05'17"W
RL=N7°39'48"W
RL=N0°19'11"E

N88°14'55"E, 248.06'
TRAV. PNT. TO R/W

S0°17'11"W, 1328.38'
MON TO TRAV. PNT.

N0°17'11"E, 399.92'
TRAV. PNT. TO TRAV. PNT.

N0°17'11"E, 928.46'
MON TO R/W

N0°17'11"E, 1322.11'
TRAV. PNT. TO MON

N0°17'11"E, 1322.11'
TRAV. PNT. TO MON

N88°38'01"E, 2603.95'
MON TO TAN.

N88°38'01"E, 2603.95'
MON TO TAN.

N88°38'01"E, 54.19'
TAN. TO MON

S88°38'01"W, 2.43'
R/W TO MON

S88°38'01"W, 73.48'
RL TO R/W

S88°38'01"W, 52.68'
R/W TO RL

S88°38'01"W, 310.53'
R/W TO R/W

S88°38'01"W, 2245.38'
MON TO R/W

S88°33'53"W, 1.72'
R/W TO TRAV. PNT.

S0°06'25"W, 165.21'
R/W TO TAN.

S0°06'25"W, 253.21'
TAN. TO R/W

N64°56'19"W, 1381.24'
TRAV. PNT. TO PI STA

S13°10'38"E, 33.46'
TRAV. PNT. TO PI

N13°10'38"W, 108.58'
TRAV. PNT. TO PT

IP1990 IS S10°44'44"W, 8.58' FROM POINT IP1991

IP1989 IS N63°04'57"W, 0.48' FROM POINT 1904

IP1980 IS S8°45'18"W, 0.91' FROM POINT 1907

R = 5584.60'
L = 188.06'
LCB = S66°28'23"E
LC = 188.05'

R = 5584.60'
L = 56.73'
LCB = S65°13'03"E
LC = 56.73'

LIMITED HIGHWAY EASEMENT V.3514, P.551, DOC. 1103426 (PREVIOUS PROJECT I-90-3(29)140)

66' ACCESS EASEMENT CSM 9958, V.58, P.76-80 DOC.3289746

60' ACCESS EASEMENT CSM 9958, V.58, P.76-80 DOC.3289746

66' ACCESS EASEMENT (VOL.447 P.483, DOC.1368500, DOC.4728)

LOT 1 CSM 10634, V.63, P.99-104, DOC.3621437 TRANS 233 RESTRICTIONS APPLY DOT 13-090-0193-02

LOT 2 CSM 10634 V.63, P.99-104 DOC.3621437 TRANS 233 RESTRICTIONS APPLY DOT 13-090-0193-02

LOT 1 CSM 3700 V.15, P.128 DOC.1705344

BUILDING IS 45' FROM R/W

TLE - TEMPORARY ROAD, DRIVEWAY & GRADING 0.543 AC.
TLE - GRADING 0.019 AC.
TLE - GRADING 0.135 AC.
0.185 AC. REM.
TLE - GRADING 0.056 AC.
TLE - GRADING 0.553 AC.
TLE - TEMPORARY ROAD, DRIVEWAY & GRADING 0.543 AC.
0.044 AC. REM.
TLE - GRADING 0.057 AC.
TLE - TEMPORARY ROAD, DRIVEWAY & GRADING 0.016 AC.
TLE - TEMPORARY ROAD & GRADING 0.628 AC.
TLE - TEMPORARY ROAD & GRADING 0.628 AC.

EXISTING AUXILIARY RL FOR PROJECT I-90-3(29)140

C-13-06
C-13-3081 REQ'D.
C-13-54
C-13-3088 REQ'D.

B-13-143
B-13-720 REQ'D.

STA. 2290+56.96
STA. 2278+37.87
STA. 2275+82.81
STA. 2220+
STA. 2080+
STA. 1940+

1/16 LINE
1/4 LINE
P.L.
OH
EXISTING RL FOR PROJECT I-90-3(29)140
EXISTING R/W
TAN. RL
TAN. R/W

NW-SE
SW-NE

TOWN OF PLEASANT SPRINGS

END PROJECT
BEGIN PROJECT
SHEET LOCATION
LOCATION SKETCH NOT TO SCALE
McFarland
Stoughton
CHRISTIANA
PLEASANT SPRINGS
Lake Kegonsa
Deerfield
Sunnyside
Koshkonong
Nora
Mandt
Mount Vernon
Albion
Dunkirk
Dunn
Pleasant Springs
Oregon
Rutland
T-7-N R-10-E
T-6-N R-10-E
T-5-N R-10-E
T-5-N R-11-E
T-6-N R-11-E
T-7-N R-11-E

FILE NAME : P:\2012026_IH 39\CIVIL\3DNRW\PLAT\1007102 3-040119_A1_RP_DWG
PLAT DATE : 4/8/2016
APPRAISAL
PLOT DATE : 4/8/2016 4:00 PM
PLOT BY : OTIE
PLOT NAME : PLOT SCALE : ==========
1007-10-23-4.19 AMENDMENT NO: 1
SEE TPP 1007-10-23-4.17

4

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5218371
03/03/2016 11:39 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

252

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.19
AMENDMENT NO:___

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.19

THAT PART OF LOT 1, CSM 3700, LOCATED IN THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF LOT 1, CSM 10634, LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 AND THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF LOT 2, CSM 10634, LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 AND THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368500), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	TLE ACRES	PLE ACRES
36	AMERICAN TRANSMISSION COMPANY LLC	FEE	0.830	---	0.830	---	---
37	RANGER HOLDINGS 136, LLC	FEE, TLE	2.207	0.008	2.215	0.761	---
54	COMMERCIAL NET LEASE REALTY LP	FEE, TLE, AR	0.151	0.026	0.177	0.618	---
55	JOHN S. BARLOW	FEE, TLE	1.014	0.026	1.040	0.628	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

PARCEL NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

200 AMERICAN TRANSMISSION COMPANY LLC — DOC.3282843 - PARCEL 37

202 WISCONSIN POWER AND LIGHT COMPANY — V.146 P.455 DOC.631140 PARCEL 37, 54, 55

205 AT&T WISCONSIN (WISCONSIN BELL, INC.) — NO EASEMENT OF RECORD PARCEL 37, 54

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.19 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 2/29/2016 DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 3/2/2016 DATE

OTIE Oneida Total Integrated Enterprises

SCALE, FEET: 0 100 200

GN

1905	2278+37.87	144.75'	
IP1991	2276+44.80	146.55'	
1907	2274+88.18	240.35'	
1908	2278+37.87	270.60'	
1909	2284+88.71	380.00'	
IP1982	92+38.19 'NN'	92.92'	
1910	90+86.33 'NN'	60.01'	
1911	90+05.00 'NN'	48.79'	
1912	89+18.78 'NN'	50.00'	
1913	87+40.00 'NN'	50.00'	
1914	86+00.00 'NN'	55.00'	
1915	85+98.00 'NN'	100.00'	
1916	85+77.00 'NN'	110.00'	
1917	105+95.00 'EF'	35.00'	
1918	106+45.00 'EF'	35.00'	
1919	107+50.00 'EF'	35.00'	
1920	108+85.00 'EF'	30.00'	
1921	110+40.08 'EF'	30.00'	
1922	110+90.00 'EF'	30.00'	
1923	111+60.00 'EF'	80.00'	
1924	112+85.00 'EF'	50.00'	
1925	112+60.00 'EF'	70.00'	
1926	111+60.00 'EF'	60.00'	
1927	111+11.78 'EF'	35.00'	
1928	109+95.00 'EF'	40.00'	
1929	109+05.00 'EF'	40.00'	
1930	108+02.19 'EF'	35.00'	
1931	106+90.00 'EF'	45.00'	
1932	106+23.58 'EF'	40.00'	
1933	104+90.11 'EF'	45.00'	
1934	103+89.00 'EF'	75.00'	
1935	102+55.00 'EF'	60.00'	
1936	82+17.99 'NN'	64.52'	
1937	77+57.12 'NN'	52.70'	

1907-1908	N71°21'38"W	366.81'
1908-1909	N74°42'50"W	659.97'
1909-IP1982	S62°46'19"W (N62°24'06"E)	399.36'
IP1982-1910	S0°19'02"W (N0°02'38"E)	160.74'
1910-1911	S0°19'02"W (N0°05'08"W)	84.99'
1911-1912	S4°52'42"E	89.00'
1912-1913	S22°29'34"E	178.78'
1913-1914	S4°32'17"E	140.09'
1914-1915	S89°56'53"E	45.04'
1915-1916	S27°57'22"E	23.26'
1916-1917	S89°44'15"E	93.05'
1917-1918	N1°38'46"E	53.46'
1918-1919	N20°01'00"E	120.88'
1919-1920	N46°30'20"E	139.62'
1920-1921	N20°58'52"E	130.57'
1921-1922	N0°19'02"E	49.92'
1922-1923	N47°42'30"W	75.72'
1923-1924	N0°27'42"E	128.55'
1924-1925	N88°44'03"E	122.58'
1925-1926	S1°43'27"E	101.98'
1926-1927	S5°21'22"W	59.11'
1927-1928	S0°35'09"W	124.78'
1928-1929	S24°19'23"W	105.97'
1929-1930	S47°48'28"W	110.56'
1930-1931	S26°51'33"W	90.80'
1931-1932	S14°29'07"W	53.31'
1932-1933	S1°49'42"E	133.56'
1933-1934	S1°46'34"W	132.62'
1934-1935	S5°12'12"W	172.12'
1935-1936	S65°47'04"W	132.54'
1936-1937	S0°19'02"W (N0°05'08"W)	409.43'

1901	2290+03.16	475.00'	
1902	2286+50.00	475.00'	
1903	2284+50.00	318.48'	
1904	2278+94.60	144.47'	

T1950	92+46.23 'NN'	125.00'	
T1951	88+90.00 'NN'	80.00'	
T1952	88+90.00 'NN'	120.00'	
T1953	88+50.00 'NN'	120.00'	

T1954	87+95.00 'NN'	80.00'	
T1955	86+10.00 'NN'	80.00'	
T1956	86+10.00 'NN'	105.00'	
T1957	85+74.83 'NN'	155.00'	
T1958	107+12.89 'EF'	60.00'	
T1959	108+80.00 'EF'	40.00'	
T1960	109+55.00 'EF'	55.00'	
T1961	111+35.00 'EF'	65.00'	
T1962	111+50.00 'EF'	85.00'	
T1963	112+95.00 'EF'	55.00'	
T1964	112+65.00 'EF'	85.00'	
T1965	111+60.00 'EF'	60.00'	
T1966	110+30.00 'EF'	70.00'	
T1967	109+50.00 'EF'	100.00'	
T1968	109+05.00 'EF'	105.00'	
T1969	108+10.00 'EF'	95.00'	
T1970	106+90.00 'EF'	47.00'	
T1971	106+00.00 'EF'	40.88'	
T1972	105+15.00 'EF'	44.07'	
T1973	104+90.11 'EF'	60.00'	
T1974	103+95.00 'EF'	90.00'	
T1975	102+20.00 'EF'	85.00'	
T1976	77+95.00 'NN'	80.00'	
T1977	77+57.95 'NN'	80.00	

IP1980	455370.194	871742.333	1.25" IRON PIPE
IP1981	455687.972	870803.800	1" IRON PIPE
IP1982	455482.197	870403.885	1" IRON PIPE
IP1983	454654.786	870399.282	0.75" REBAR
IP1984	454210.411	870397.662	2.50" IRON PIPE
IP1985	454827.691	870597.149	1.25" IRON PIPE
IP1986	454960.627	870598.127	1.25" IRON PIPE
IP1987	455072.317	870718.194	1.25" IRON PIPE
IP1988	456464.915	870889.179	0.75" REBAR
IP1989	455888.574	871518.906	0.50" IRON ROD
IP1990	455781.082	871741.654	1" IRON PIPE
IP1991	455789.513	871743.254	0.75" IRON PIPE

R	5584.60'
L	188.06'
LCB	S66°28'23"E
LC	188.05'
R	5584.60'
L	56.73'
LCB	S65°13'03"E
LC	56.73'

1901-1902	S64°56'19"E	353.16'
1902-1903	S26°53'29"E	253.97'
1903-1904	S47°32'35"E	582.02'
1904-1905	SEE CURVE DATA ON SHEET	
1905-IP1991	SEE CURVE DATA ON SHEET	

PK NAIL FOUND
Y = 457978.125
X = 870413.845

PK NAIL FOUND
Y = 452677.217
X = 870387.350

ALUMINUM MONUMENT FOUND
Y = 455258.022
X = 867743.174

ALUMINUM MONUMENT FOUND
Y = 455385.412
X = 873084.307

CALCULATED POSITION SURVEY BY GEORGE A. WEIR (REV. 9/27/1971)
S-0843
Y = 455321.403
X = 870400.566

PI STA = 102+84.61'NN'
Y = 456492.030
X = 870298.941
DELTA = 42°11'28" RT
D = 53°32'51"
T = 41.28'
L = 78.79'
R = 107.00'
PC STA = 102+43.33'NN'
PT STA = 103+22.12'NN'

PI STA = 98+46.31'NN'
Y = 456053.654
X = 870296.901
DELTA = 7°48'13" RT
D = 14°17'18"
T = 27.35'
L = 54.62'
R = 401.00'
PC STA = 98+18.96'NN'
PT STA = 98+73.57'NN'

PI STA = 95+46.12'NN'
Y = 455760.869
X = 870243.277
DELTA = 44°44'15" RT
D = 51°09'25"
T = 46.09'
L = 87.45'
R = 112.00'
PC STA = 95+00.03'NN'
PT STA = 95+87.48'NN'

PI STA = 90+60.83'NN'
Y = 455287.531
X = 870354.015
DELTA = 10°42'20" LT
D = 3°46'46"
T = 142.04'
L = 283.26'
R = 1516.00'
PC STA = 89+18.78'NN'
PT STA = 92+02.04'NN'

PI STA = 84+78.33'NN'
Y = 454705.539
X = 870379.299
DELTA = 4°46'10" RT
D = 6°57'12"
T = 34.32'
L = 68.59'
R = 824.00'
PC STA = 84+44.01'NN'
PT STA = 85+12.60'NN'

PI STA = 81+76.21'NN'
Y = 454417.482
X = 870318.783
DELTA = 45°15'22" RT
D = 51°09'25"
T = 46.69'
L = 88.46'
R = 112.00'
PC STA = 81+29.53'NN'
PT STA = 82+17.99'NN'

PI STA = 79+21.06'NN'
Y = 454163.589
X = 870343.891
DELTA = 7°58'59" LT
D = 7°09'43"
T = 55.82'
L = 111.47'
R = 800.00'
PC STA = 78+65.24'NN'
PT STA = 79+76.70'NN'

PI: 105+12.39'NN'
Y = 456696.096
X = 870404.672
DELTA = 28°09'57" LT

PI: 97+64.84'NN'
Y = 455972.885
X = 870307.587
DELTA = 20°37'48" LT

PI: 83+71.85'NN'
Y = 454599.920
X = 870392.759
DELTA = 23°20'59" LT

PI: 80+63.72'NN'
Y = 454305.152
X = 870324.843
DELTA = 4°34'31"RT

PI STA = 111+23.48'EF'
Y = 455276.783
X = 870799.358
DELTA = 13°21'05" LT
D = 57°17'45"
T = 11.70'
L = 23.30'
R = 100.00'
PC STA = 111+11.78'EF'
PT STA = 111+35.08'EF'

PI STA = 109+56.29'EF'
Y = 455098.558
X = 870798.371
DELTA = 47°35'56" LT
D = 26°38'57"
T = 94.82'
L = 178.61'
R = 215.00'
PC STA = 108+61.47'EF'
PT STA = 110+40.08'EF'

PI STA = 107+18.40'EF'
Y = 454931.725
X = 870613.629
DELTA = 47°35'56" RT
D = 26°38'57"
T = 94.82'
L = 178.61'
R = 215.00'
PC STA = 106+23.58'EF'
PT STA = 108+02.19'EF'

PI STA = 103+98.08'EF'
Y = 454593.238
X = 870611.755
DELTA = 56°31'20" LT
D = 27°56'57"
T = 110.20'
L = 202.23'
R = 205.00'
PC STA = 102+87.88'EF'
PT STA = 104+90.11'EF'

PI STA = 102+37.34'EF'
Y = 454504.874
X = 870476.518
DELTA = 17°34'58" LT
D = 17°15'28"
T = 51.34'
L = 101.88'
R = 332.00'
PC STA = 101+86.00'EF'
PT STA = 102+87.88'EF'

PI STA = 2262+88.00
Y = 455039.225
X = 872994.147
DELTA = 32°37'33" RT
D = 1°01'23"
T = 1638.92'
L = 3188.79'
R = 5600.00'
PC STA = 2246+49.08
PT STA = 2278+37.87
DB = N82°26'08"E

IP1989 IS N63°04'57"W, 0.48' FROM POINT 1904

IP1990 IS S10°44'44"W, 8.58' FROM POINT IP1991

IP1980 IS S8°45'18"W, 0.91' FROM POINT 1907

LOT 1, CSM 10634, V.63, P.99-104, DOC.3621437 TRANS 233 RESTRICTIONS APPLY DOT 13-090-0193-02

LOT 2 CSM 10634 V.63, P.99-104 DOC.3621437 TRANS 233 RESTRICTIONS APPLY DOT 13-090-0193-02

LOT 1 CSM 3700 V.15, P.128 DOC.1705344

66' ACCESS EASEMENT CSM 9958, V.58, P.76-80 DOC.3289746

LIMITED HIGHWAY EASEMENT V.3534, P.551, DOC. 1934426 (PREVIOUS PROJECT I-90-3(29)140)

TLE - TEMPORARY ROAD, DRIVEWAY & GRADING 0.543 AC.

TLE - GRADING 0.019 AC.

TLE - GRADING 0.135 AC.

TLE - GRADING 0.056 AC.

TLE - GRADING 0.553 AC.

TLE - TEMPORARY ROAD, DRIVEWAY & GRADING 0.543 AC.

TLE - GRADING 0.057 AC.

TLE - TEMPORARY ROAD, DRIVEWAY & GRADING 0.016 AC.

TLE - TEMPORARY ROAD & GRADING 0.628 AC.

TLE - TEMPORARY ROAD & GRADING 0.628 AC.

0.159 AC. REM.

0.045 AC. REM.

B-13-143
B-13-720 REQ'D.

C-13-06
C-13-3081 REQ'D.

C-13-54
C-13-3088 REQ'D.

EXISTING AUXILIARY RL FOR PROJECT I-90-3(29)140

EXISTING RL FOR PROJECT I-90-3(29)140

SEE TPP 1007-10-23-4.21

SEE TPP 1007-10-23-4.20

SEE TPP 1007-10-23-4.18

SEE TPP 1007-10-23-4.17

TOWN

SW-NE

NW-SE

OF

PLEASANT SPRINGS

END PROJECT

BEGIN PROJECT

SHEET LOCATION

LOCATION SKETCH NOT TO SCALE

McFarland
Stoughton
CHRISTIANA
PLEASANT SPRINGS
Lake Kegonsa
Kegonsa
Deerfield
Sunnyside
Nora
T-7-N T-6-N
T-6-N T-5-N
R-10-E R-11-E

FILE NAME : P:\2012026_IH 39\CIVIL\30\RW\PLAT\1007I023-040119_RP.DWG
APPRAISAL PLAT DATE : 2/29/2016
PLOT DATE : 2/29/2016 2:49 PM
PLOT BY : OTIE
PLOT NAME : PLOT SCALE : 1.0000 '
1007-10-23-4.19

COMPOSITE DRAWING. ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

PLE STATION & OFFSET TABLE			
P2023	88+65.00	'NN'	70.84'
P2024	88+65.00	'NN'	105.00'
P2025	88+85.00	'NN'	105.00'
P2026	88+85.00	'NN'	69.86'

PLE COURSE TABLE		
P2023-P2024	S87°30'26"W	34.16'
P2024-P2025	N2°29'34"W	20.00'
P2025-P2026	N87°30'26"E	35.14'

R/W COURSE TABLE		
2001-2002	N7°10'58"W	1.67'
2002-2003	N39°19'17"W	32.75'
2003-2004	N23°12'44"W	163.98'
2004-2005	N38°36'04"W	389.81'
2005-2006	N80°11'37"W	228.04'
2006-2007	N52°08'04"W	225.61'
2007-2008	N32°20'18"W	510.42'
2008-2009	N51°48'17"W	248.55'
2010-2011	N5°59'34"W	112.81'
2011-2012	N11°17'04"W	63.13'
2012-2013	N60°24'33"E	32.93'
2013-2014	N12°01'08"W	24.77'
2014-2015	N12°01'08"W	159.45'
2015-2016	N12°01'08"W	128.54'
2016-2017	N62°09'05"W	40.00'
2017-2018	S88°11'34"W	153.29'
2018-2019	N12°15'20"W	71.91'
2019-2020	N29°38'18"E	69.62'
2020-2021	N88°19'08"E	231.06'
2021-2022	N8°17'54"E	93.27'
2022-P2023	N0°19'02"E (S00°25'20"W)	352.82'
P2023-P2026	N0°19'02"E (S00°25'20"W)	20.02'
P2026-2027	N0°19'02"E (S00°25'20"W)	94.33'
2027-2001	N7°10'58"W	116.23'

R/W STATION & OFFSET TABLE			
2001	91+03.26	'NN'	64.07'
2002	91+05.00	'NN'	64.00'
2003	91+35.00	'NN'	80.00'
2004	93+00.00	'NN'	110.00'
2005	2292+80.00		600.00'
2006	2295+00.00		660.00'
2007	2297+20.00		610.00'
2008	2301+50.00		335.00'
2009	2303+92.04		278.52'
2010	77+53.11	'NN'	67.60'
2011	78+65.24	'NN'	80.00'
2012	79+35.00	'NN'	90.00'
2013	79+50.00	'NN'	60.00'
2014	79+76.70	'NN'	62.29'
2015	81+29.53	'NN'	79.91'
2016	81+90.00	'NN'	135.00'
2017	81+90.00	'NN'	175.00'
2018	81+70.00	'NN'	315.00'
2019	81+85.00	'NN'	355.00'
2020	84+50.00	'NN'	340.00'
2021	84+30.00	'NN'	110.00'
2022	85+12.60	'NN'	88.14'
2027	89+81.87	'NN'	64.00'

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368501), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S.0249(I), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5221577
03/21/2016 12:48 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.20
AMENDMENT NO: 1

253

1007-10-23-4.20 AMENDMENT NO: 1

TOWN OF PLEASANT SPRINGS

SEE TPP 1007-10-23-4.23

SEE TPP 1007-10-23-4.21

N88°30'29"E, 517.31' TRAV. PNT. TO RL

N88°30'29"E, 23.60' RL TO TRAV. PNT.

N88°30'29"E, 788.67' RL TO RL

1/16 LINE STA. 2299+51.14/STA. 104+60.93'NN

PT: 103+22.12'NN

PI: 102+84.61'NN

PC: 102+43.33'NN

RL=N24°09'23"E

STA. 2290+56.96

PK NAIL FOUND
Y = 457978.025
X = 870413.845

S0°17'11"W, 1328.38' MON TO TRAV. PNT.

S0°17'11"W, 399.92' TRAV. PNT. TO RL

I-39/90 RL=N64°56'18"W

EXISTING RL FOR PROJECT 1-90-3 (29)140

PI STA = 102+84.61'NN
Y = 456492.030
X = 870298.941
DELTA = 42°11'28" RT
D = 53°32'51"
T = 41.28'
L = 78.79'
R = 107.00'
PC STA = 102+43.33'NN
PT STA = 103+22.12'NN

PI STA = 98+46.31'NN
Y = 456053.654
X = 870296.901
DELTA = 7°48'13" RT
D = 14°17'18"
T = 27.35'
L = 54.62'
R = 401.00'
PC STA = 98+18.96'NN
PT STA = 98+73.57'NN

PI: 97+64.84'NN
Y = 455972.885
X = 870307.587
DELTA = 20°37'48" LT

STA. 2291+75.26/
STA. 100+92.53'NN
Y = 456299.956
X = 870298.047

RL=N0°16'00"E

B-13-143
B-13-720 REQ'D.

GEODETIC MON. DF9960

PT: 98+73.57'NN
PI: 98+46.31'NN
PC: 98+18.96'NN

RL=N7°32'13"W

PI: 97+64.84'NN

PI STA = 95+46.12'NN
Y = 455760.869
X = 870243.277
DELTA = 44°44'15" RT
D = 51°09'25"
T = 46.09'
L = 87.45'
R = 112.00'
PC STA = 95+00.03'NN
PT STA = 95+87.48'NN

PI STA = 90+60.83'NN
Y = 455287.531
X = 870354.015
DELTA = 10°42'20" LT
D = 3°46'46"
T = 142.04'
L = 283.26'
R = 1516.00'
PC STA = 89+18.78'NN
PT STA = 92+02.04'NN

PI STA = 84+78.33'NN
Y = 454705.539
X = 870379.299
DELTA = 4°46'10" RT
D = 6°57'12"
T = 34.32'
L = 68.59'
R = 824.00'
PC STA = 84+44.01'NN
PT STA = 85+12.60'NN

RL=N13°05'35"E

1/4 LINE

S0°17'11"W, 928.46' RL TO MON

PT: 95+87.48'NN
PI: 95+46.12'NN
PC: 95+00.03'NN

PT: 92+02.04'NN

C-13-06
C-13-3081 REQ'D.

ALUMINUM MONUMENT FOUND
Y = 455385.412
X = 873084.307

S88°38'01"W, 2684.50' MON TO MON

PI: 90+60.83'NN

PC: 89+18.78'NN

RL=N2°29'34"W

S0°17'11"W, 1322.11' MON TO TRAV. PNT.

CALCULATED POSITION SURVEY BY GEORGE A. WEIR, S-0843 (REV. 9/27/1971)
Y = 455321.403
X = 870400.566

SEE TPP 1007-10-23-4.19

PT: 85+12.60'NN
PI: 84+78.33'NN
PC: 84+44.01'NN
RL=N7°15'44"W
PI: 83+71.85'NN

RL=N16°05'15"E
PT: 82+17.99'NN
PI: 81+76.21'NN
PC: 81+29.53'NN

RL=N3°05'17"W
PI: 80+63.72'NN
RL=N7°39'48"W
PT: 79+76.70'NN
PI: 79+21.06'NN
PC: 78+65.24'NN
RL=N0°19'11"E

N0°17'11"E, 1322.11' MON TO TRAV. PNT.

PK NAIL FOUND
Y = 452677.217
X = 870387.350

S88°24'33"W, 67.63' RL TO R/W
S88°24'33"W, 51.01' TRAV. PNT. TO RL

STA.77+55.36'NN

1/16 LINE

SEE TPP 1007-10-23-4.18

PLEASANT SPRINGS

ALUMINUM MONUMENT FOUND
Y = 455258.022
X = 867743.174

N88°38'01"E, 2535.35' MON TO R/W

STA. 90+94.17'NN

1/16 LINE

N88°38'01"E, 68.60' R/W TO TAN.

S0°17'11"W, 399.92' TRAV. PNT. TO RL

S0°17'11"W, 1328.38' MON TO TRAV. PNT.

S0°17'11"W, 928.46' RL TO MON

S88°38'01"E, 54.19' TAN. TO MON

N88°38'01"E, 2684.50' MON TO MON

S0°17'11"W, 1322.11' MON TO TRAV. PNT.

S0°17'11"W, 1322.11' MON TO TRAV. PNT.

SEE TPP 1007-10-23-4.19

N88°30'29"E, 788.67' RL TO RL

1/16 LINE STA. 2299+51.14/STA. 104+60.93'NN

PT: 103+22.12'NN

PI: 102+84.61'NN

PC: 102+43.33'NN

RL=N24°09'23"E

STA. 2290+56.96

PK NAIL FOUND
Y = 457978.025
X = 870413.845

S0°17'11"W, 399.92' TRAV. PNT. TO RL

S0°17'11"W, 1328.38' MON TO TRAV. PNT.

I-39/90 RL=N64°56'18"W

EXISTING RL FOR PROJECT 1-90-3 (29)140

PI STA = 102+84.61'NN
Y = 456492.030
X = 870298.941
DELTA = 42°11'28" RT
D = 53°32'51"
T = 41.28'
L = 78.79'
R = 107.00'
PC STA = 102+43.33'NN
PT STA = 103+22.12'NN

PI STA = 98+46.31'NN
Y = 456053.654
X = 870296.901
DELTA = 7°48'13" RT
D = 14°17'18"
T = 27.35'
L = 54.62'
R = 401.00'
PC STA = 98+18.96'NN
PT STA = 98+73.57'NN

PI: 97+64.84'NN
Y = 455972.885
X = 870307.587
DELTA = 20°37'48" LT

STA. 2291+75.26/
STA. 100+92.53'NN
Y = 456299.956
X = 870298.047

RL=N0°16'00"E

B-13-143
B-13-720 REQ'D.

GEODETIC MON. DF9960

PT: 98+73.57'NN
PI: 98+46.31'NN
PC: 98+18.96'NN

RL=N7°32'13"W

PI: 97+64.84'NN

PI STA = 95+46.12'NN
Y = 455760.869
X = 870243.277
DELTA = 44°44'15" RT
D = 51°09'25"
T = 46.09'
L = 87.45'
R = 112.00'
PC STA = 95+00.03'NN
PT STA = 95+87.48'NN

PI STA = 90+60.83'NN
Y = 455287.531
X = 870354.015
DELTA = 10°42'20" LT
D = 3°46'46"
T = 142.04'
L = 283.26'
R = 1516.00'
PC STA = 89+18.78'NN
PT STA = 92+02.04'NN

PI STA = 84+78.33'NN
Y = 454705.539
X = 870379.299
DELTA = 4°46'10" RT
D = 6°57'12"
T = 34.32'
L = 68.59'
R = 824.00'
PC STA = 84+44.01'NN
PT STA = 85+12.60'NN

RL=N13°05'35"E

1/4 LINE

S0°17'11"W, 928.46' RL TO MON

PT: 95+87.48'NN
PI: 95+46.12'NN
PC: 95+00.03'NN

PT: 92+02.04'NN

C-13-06
C-13-3081 REQ'D.

ALUMINUM MONUMENT FOUND
Y = 455385.412
X = 873084.307

S88°38'01"W, 2684.50' MON TO MON

PI: 90+60.83'NN

PC: 89+18.78'NN

RL=N2°29'34"W

S0°17'11"W, 1322.11' MON TO TRAV. PNT.

CALCULATED POSITION SURVEY BY GEORGE A. WEIR, S-0843 (REV. 9/27/1971)
Y = 455321.403
X = 870400.566

SEE TPP 1007-10-23-4.19

PT: 85+12.60'NN
PI: 84+78.33'NN
PC: 84+44.01'NN
RL=N7°15'44"W
PI: 83+71.85'NN

RL=N16°05'15"E
PT: 82+17.99'NN
PI: 81+76.21'NN
PC: 81+29.53'NN

RL=N3°05'17"W
PI: 80+63.72'NN
RL=N7°39'48"W
PT: 79+76.70'NN
PI: 79+21.06'NN
PC: 78+65.24'NN
RL=N0°19'11"E

N0°17'11"E, 1322.11' MON TO TRAV. PNT.

PK NAIL FOUND
Y = 452677.217
X = 870387.350

S88°24'33"W, 67.63' RL TO R/W
S88°24'33"W, 51.01' TRAV. PNT. TO RL

STA.77+55.36'NN

1/16 LINE

SEE TPP 1007-10-23-4.18

PLEASANT SPRINGS

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP2080	456615.141	869078.082	1" IRON ROD
IP2081	455917.022	869931.442	1" IRON PIPE
IP2082	455655.445	870212.965	1" IRON PIPE
IP2083	455314.700	870293.445	PK NAIL
IP2084	455114.663	870292.051	1" IRON PIPE
IP2085	454621.673	870289.633	0.75" REBAR
IP2086	454555.635	870289.268	1" IRON PIPE
IP2087	453996.182	870285.850	1" IRON PIPE
IP2088	454546.480	869900.509	NAIL
IP2089	454725.761	869901.034	0.75" REBAR
IP2090	454729.222	870029.811	0.75" REBAR
IP2091	455107.308	869903.470	1" IRON PIPE
IP2092	455107.745	869898.303	1.25" IRON PIPE
IP2093	455105.753	869815.646	1.50" IRON PIPE
IP2094	455305.751	869811.747	0.75" REBAR
IP2095	455306.910	869899.025	1" IRON PIPE
IP2096	455307.161	869899.143	0.75" IRON PIPE
IP2097	455308.030	869943.518	1.25" IRON PIPE
IP2098	456010.959	869797.541	1.50" IRON PIPE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

GN

SE-NW

NE-SW

0 100 200
SCALE, FEET

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.20
AMENDMENT NO. 1

AMENDS PARCEL 64 OF TPP 1007-10-23-4.20 RECORDED AS DOCUMENT NUMBER 5176318.
THAT PART OF LOT 1 AND LOT 2, CSM 11192 AND THAT PART OF LOT 2 AND LOT 3 OF CSM 3667, LOCATED IN THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

TLE STATION & OFFSET TABLE			
T2050	2293+25.00		612.27'
T2051	92+90.00	'NN'	415.00'
T2052	92+45.00	'NN'	505.00'
T2053	93+15.00	'NN'	865.00'
T2054	92+55.00	'NN'	875.00'
T2055	91+40.00	'NN'	395.00'
T2056	2292+20.00		725.00'
T2057	2291+75.00		651.98'
T2058	94+50.00	'NN'	181.35'
T2059	94+45.00	'NN'	190.00'
T2060	93+00.00	'NN'	120.00'
T2061	90+75.00	'NN'	75.00'
T2062	88+85.00	'NN'	90.00'
T2063	88+65.00	'NN'	90.00'
T2064	87+95.00	'NN'	74.28'
T2065	84+70.00	'NN'	235.00
T2066	84+75.00	'NN'	335.00'
T2067	82+85.00	'NN'	350.38'
T2068	82+75.00	'NN'	375.00'
T2069	81+65.00	'NN'	325.00'
T2070	81+85.00	'NN'	165.00'
T2071	81+35.00	'NN'	95.00
T2072	77+52.44	'NN'	87.62
T2073	2303+70.41		325.36'

TLE - GRADING 0.116 AC.
TLE - GRADING 0.592 AC.
TLE - GRADING 0.063 AC.
TLE - GRADING 0.233 AC.
TLE - GRADING 0.040 AC.
TLE - GRADING 0.307 AC.
TLE - GRADING 0.018 AC.
TLE - GRADING 0.202 AC.
TLE - GRADING 0.083 AC.
TLE - GRADING 0.019 AC.
TLE - GRADING 0.003 AC.
TLE - GRADING 0.015 AC.
TLE - GRADING 0.276 AC.
TLE - GRADING 0.016 AC.
TLE - GRADING 0.330 AC.
PLE - DRAINAGE 0.016 AC.
LANDLOCKED 0.398 AC.
LANDLOCKED 1.537 AC.
LANDLOCKED 2.146 AC.
0.028 AC. REM.
50' INGRESS/EGRESS EASEMENT DOC.4382015
INGRESS/EGRESS EASEMENT DOC.1306260
ACCESS EASEMENT AGREEMENT - PARCEL 59 & 60, DOC.5167854
VARIABLE WIDTH JOINT DRIVEWAY EASEMENT DOC.3908381

LOT 3 CSM 3667 V.15, P.69-70 DOC.1700857
LOT 1 CSM 1192 V.67, P.242-245 DOC.3973924
LOT 2 CSM 11192 V.67, P.242-245 DOC.3973924
LOT 2 CSM 3667 V.15, P.69-70 DOC.1700857

CTH N

PI STA = 79+21.06'NN
Y = 454163.589
X = 870343.891
DELTA = 7°58'59" LT
D = 7°09'43"
T = 55.82'
L = 111.47'
R = 800.00'
PC STA = 78+65.24'NN
PT STA = 79+76.70'NN

PI STA = 81+76.21'NN
Y = 454417.482
X = 870318.783
DELTA = 45°15'22" RT
D = 51°09'25"
T = 46.69'
L = 88.46'
R = 112.00'
PC STA = 81+29.53'NN
PT STA = 82+17.99'NN

PI: 80+63.72'NN
Y = 454305.152
X = 870324.843
DELTA = 4°34'31" RT

PI: 83+71.85'NN
Y = 454599.920
X = 870392.759
DELTA = 23°20'59" LT

SCHEDULE OF LANDS & INTERESTS REQUIRED							
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.							
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
40	LUNDE FARMS, INC.	FEE, TLE	3.427	---	3.427	0.423	---
56	ROSE INVESTMENTS, LLC ADAMS OUTDOOR ADVERTISING	FEE, TLE	0.677	1.388	2.065	0.330	---
57	KOUA VANG AND DIA M. VANG	TLE	---	---	---	0.202	---
58	FRANK L. KNIPFER AND KEVIN F. KNIPFER	FEE, TLE	0.410	0.164	0.574	0.016	---
59	THE MARVIN K. AND ANNETTE M. TOMLINSON REVOCABLE TRUST (VENDOR) GOLDEN GREEN PROPERTIES LLC (PURCHASER)	FEE, TLE, PLE	0.138	1.220	1.358	0.294	0.016
60	WISCONSIN FUEL LLC	FEE, TLE, AR	0.019	0.494	0.513	0.102	---
61	LAD OF JANESVILLE, INC. (VENDOR) CHAD CATLIN (PURCHASER)	FEE, TLE, AR	0.899	---	0.899	0.296	---
62	CHAD CATLIN	FEE, TLE, AR	0.420	---	0.420	0.592	---
64	ROYAL J. LUNDE AND MARIE Z. LUNDE	FEE, TLE, AR	1.187	0.011	1.198	0.058	---
	ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED						

UTILITY SCHEDULE & INTERESTS REQUIRED		
PARCEL NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

(202) WISCONSIN POWER AND LIGHT COMPANY
DOC.654244 - PARCEL 64
NO EASEMENT OF RECORD - PARCEL 56, 58, 59

(205) AT&T WISCONSIN (WISCONSIN BELL, INC)
NO EASEMENT OF RECORD - PARCEL 56, 58, 59, 61, 64

SIGN NUMBER	SIGN OWNER	OASIS NO.
56-1	ADAMS OUTDOOR ADVERTISING ROSE INVESTMENTS, LLC	NONE

WISCONSIN
JAMES M. BAKER
S-2530
NEW GLARUS
WI
LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.20 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 3/16/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE
Orchids Trees Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 3/18/2016 DATE

PLOT DATE : 3/16/2016 2:01 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : ********** FILE NAME : P:\2012\2026_TH 39\CIVIL\3D\RW\PLAT\1007103-040120_A1_RP.DWG APPRAISAL PLAT DATE : 3/16/2016

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

PLE STATION & OFFSET TABLE			
P2023	88+65.00	'NN'	70.84'
P2024	88+65.00	'NN'	105.00'
P2025	88+85.00	'NN'	105.00'
P2026	88+85.00	'NN'	69.86'

PLE COURSE TABLE		
P2023-P2024	S87°30'26"W	34.16'
P2024-P2025	N2°29'34"W	20.00'
P2025-P2026	N87°30'26"E	35.14'

R/W COURSE TABLE		
2001-2002	N7°10'58"W	1.67'
2002-2003	N39°19'17"W	32.75'
2003-2004	N23°12'44"W	163.98'
2004-2005	N38°36'04"W	389.81'
2005-2006	N80°11'37"W	228.04'
2006-2007	N52°08'04"W	225.61'
2007-2008	N32°20'18"W	510.42'
2008-2009	N51°48'17"W	248.55'
2010-2011	N5°55'34"W	112.81'
2011-2012	N11°17'04"W	63.13'
2012-2013	N60°24'33"E	32.93'
2013-2014	N12°01'08"W	24.77'
2014-2015	N12°01'08"W	159.45'
2015-2016	N12°01'08"W	128.54'
2016-2017	N62°09'05"W	40.00'
2017-2018	S88°11'34"W	153.29'
2018-2019	N12°15'20"W	71.91'
2019-2020	N29°38'18"E	69.62'
2020-2021	N88°19'08"E	231.06'
2021-2022	N8°17'54"E	93.27'
2022-P2023	N0°19'02"E (S00°25'20"W)	352.82'
P2023-P2026	N0°19'02"E (S00°25'20"W)	20.02'
P2026-2027	N0°19'02"E (S00°25'20"W)	94.33'
2027-2001	N7°10'58"W	116.23'

R/W STATION & OFFSET TABLE			
2001	91+03.26	'NN'	64.07'
2002	91+05.00	'NN'	64.00'
2003	91+35.00	'NN'	80.00'
2004	93+00.00	'NN'	110.00'
2005	2292+80.00		600.00'
2006	2295+00.00		660.00'
2007	2297+20.00		610.00'
2008	2301+50.00		335.00'
2009	2303+92.04		278.52'
2010	77+53.11	'NN'	67.60'
2011	78+65.24	'NN'	80.00'
2012	79+35.00	'NN'	90.00'
2013	79+50.00	'NN'	60.00'
2014	79+76.70	'NN'	62.29'
2015	81+29.53	'NN'	79.91'
2016	81+90.00	'NN'	135.00'
2017	81+90.00	'NN'	175.00'
2018	81+70.00	'NN'	315.00'
2019	81+85.00	'NN'	355.00'
2020	84+50.00	'NN'	340.00'
2021	84+30.00	'NN'	110.00'
2022	85+12.60	'NN'	88.14'
2027	89+81.87	'NN'	64.00'

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368501), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S.0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5176318
08/13/2015 11:22 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

254

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.20
AMENDMENT NO:_____

1007-10-23-4.20

TOWN OF

SEE TPP 1007-10-23-4.23

SEE TPP 1007-10-23-4.21

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP2080	456615.141	869078.082	1" IRON ROD
IP2081	455917.022	869931.442	1" IRON PIPE
IP2082	455655.445	870212.965	1" IRON PIPE
IP2083	455314.700	870293.445	PK NAIL
IP2084	455114.663	870292.051	1" IRON PIPE
IP2085	454621.673	870289.633	0.75" REBAR
IP2086	454555.635	870289.268	1" IRON PIPE
IP2087	453996.182	870285.850	1" IRON PIPE
IP2088	454546.480	869900.509	NAIL
IP2089	454725.761	869901.034	0.75" REBAR
IP2090	454729.222	870029.811	0.75" REBAR
IP2091	455107.308	869903.470	1" IRON PIPE
IP2092	455107.745	869898.303	1.25" IRON PIPE
IP2093	455105.753	869815.646	1.50" IRON PIPE
IP2094	455305.751	869811.747	0.75" REBAR
IP2095	455306.910	869899.025	1" IRON PIPE
IP2096	455307.161	869899.143	0.75" IRON PIPE
IP2097	455308.030	869943.518	1.25" IRON PIPE
IP2098	456010.959	869797.541	1.50" IRON PIPE

PI STA = 102+84.61'NN'
Y = 456492.030
X = 870298.941
DELTA = 42°11'28" RT
D = 53°32'51"
T = 41.28'
L = 78.79'
R = 107.00'
PC STA = 102+43.33'NN'
PT STA = 103+22.12'NN'

PI STA = 98+46.31'NN'
Y = 456053.654
X = 870296.901
DELTA = 7°48'13" RT
D = 14°17'18"
T = 27.35'
L = 54.62'
R = 401.00'
PC STA = 98+18.96'NN'
PT STA = 98+73.57'NN'

PI: 97+64.84'NN'
Y = 455972.885
X = 870307.587
DELTA = 20°37'48" LT

PI STA = 95+46.12'NN'
Y = 455760.869
X = 870243.277
DELTA = 44°44'15" RT
D = 51°09'25"
T = 46.09'
L = 87.45'
R = 112.00'
PC STA = 95+00.03'NN'
PT STA = 95+87.48'NN'

PI STA = 90+60.83'NN'
Y = 455287.531
X = 870354.015
DELTA = 10°42'20" LT
D = 3°46'46"
T = 142.04'
L = 283.26'
R = 1516.00'
PC STA = 89+18.78'NN'
PT STA = 92+02.04'NN'

PI STA = 84+78.33'NN'
Y = 454705.539
X = 870379.299
DELTA = 4°46'10" RT
D = 6°57'12"
T = 34.32'
L = 68.59'
R = 824.00'
PC STA = 84+44.01'NN'
PT STA = 85+12.60'NN'

STA. 2291+75.26/
STA. 100+92.53'NN'
Y = 456299.956
X = 870298.047

STA. 2299+51.14/STA. 104+60.93'NN'

PT: 103+22.12'NN'
PI: 102+84.61'NN'
PC: 102+43.33'NN'

PT: 98+73.57'NN'
PI: 98+46.31'NN'
PC: 98+18.96'NN'

PT: 97+64.84'NN'

PT: 95+87.48'NN'
PI: 95+46.12'NN'
PC: 95+00.03'NN'

PT: 92+02.04'NN'

PT: 90+60.83'NN'

PT: 89+18.78'NN'

PT: 85+12.60'NN'
PI: 84+78.33'NN'
PC: 84+44.01'NN'

PT: 82+17.99'NN'
PI: 81+76.21'NN'
PC: 81+29.53'NN'

PT: 80+63.72'NN'
PI: 79+76.70'NN'
PC: 79+21.06'NN'

PT: 78+65.24'NN'

PI: 80+63.72'NN'
Y = 454305.152
X = 870324.843
DELTA = 4°34'31" RT

PI: 83+71.85'NN'
Y = 454599.920
X = 870392.759
DELTA = 23°20'59" LT

PI STA = 79+21.06'NN'
Y = 454163.589
X = 870343.891
DELTA = 7°58'59" LT
D = 7°09'43"
T = 55.82'
L = 111.47'
R = 800.00'
PC STA = 78+65.24'NN'
PT STA = 79+76.70'NN'

PI STA = 81+76.21'NN'
Y = 454417.482
X = 870318.783
DELTA = 45°15'22" RT
D = 51°09'25"
T = 46.69'
L = 88.46'
R = 112.00'
PC STA = 81+29.53'NN'
PT STA = 82+17.99'NN'

RL=N64°56'18"W
RL=N24°09'23"E
RL=N0°16'00"E
RL=N7°32'13"W
RL=N13°05'35"E
RL=N15°09'49"W
RL=N2°29'34"W
RL=N16°05'15"E
RL=N3°05'17"W
RL=N7°39'48"W
RL=N0°19'11"E

N88°30'29"E, 517.31' TRAV. PNT. TO RL
N88°30'29"E, 788.67' RL TO RL
N88°30'29"E, 23.60' RL TO TRAV. PNT.
N0°16'06"E, 52.07' R/W TO TRAV. PNT.
N88°38'01"E, 2535.35' MON TO R/W
N88°38'01"E, 54.19' TAN. TO MON
N88°38'01"W, 68.60' R/W TO TAN.
S0°17'11"W, 328.45' RL TO MON
S0°17'11"W, 339.82' TRAV. PNT. TO RL
S0°17'11"W, 1328.38' MON TO TRAV. PNT.
S0°17'11"W, 1322.11' MON TO TRAV. PNT.
S10°10'28"E, 332.45' TRAV. PNT. TO MON
S88°38'01"W, 2684.50' MON TO MON
S88°24'33"W, 67.63' RL TO R/W
S88°24'33"W, 51.01' TRAV. PNT. TO RL
NO°17'11"E, 1322.11' MON TO TRAV. PNT.

1/16 LINE
1/4 LINE

EXISTING RL FOR PROJECT I-90-3(29)140

I-39/90

2305
2300
2295
2290
2200
100'NN'

110'
90'
55'
50'
33'

P.I.
P.C.
P.T.
P.L.
TAN.
B
OH
T-E

GN
SE-NW
NE-SW
0 100 200
SCALE, FEET

50' INGRESS/EGRESS EASEMENT DOC.4282015

LANDLOCKED 0.398 AC.
LANDLOCKED 1.537 AC.
LANDLOCKED 2.146 AC.
0.028 AC. REM.

TLE - GRADING 0.592 AC.
TLE - GRADING 0.063 AC.
TLE - GRADING 0.233 AC.
TLE - GRADING 0.040 AC.
TLE - GRADING 0.307 AC.
TLE - GRADING 0.018 AC.
TLE - GRADING 0.202 AC.
TLE - GRADING 0.019 AC.
TLE - GRADING 0.083 AC.
TLE - GRADING 0.003 AC.
TLE - GRADING 0.015 AC.
TLE - GRADING 0.276 AC.
TLE - GRADING 0.016 AC.
TLE - GRADING 0.330 AC.
PLE - DRAINAGE 0.016 AC.

ALUMINUM MONUMENT FOUND
Y = 455258.022
X = 867743.174

ALUMINUM MONUMENT FOUND
Y = 455385.412
X = 873084.307

PK NAIL FOUND
Y = 457978.125
X = 870413.845

GEODETIC MON. DF9960

B-13-143
B-13-720 REQ'D.
C-13-06
C-13-3081 REQ'D.

CALCULATED POSITION SURVEY BY GEORGE A. WEIR, S-0843 (REV. 9/27/1971)
Y = 455321.403
X = 870400.566

LOCATION SKETCH NOT TO SCALE

TLE STATION & OFFSET TABLE			
T2050	2293+25.00		612.27'
T2051	92+90.00	'NN'	415.00'
T2052	92+45.00	'NN'	505.00'
T2053	93+15.00	'NN'	865.00'
T2054	92+55.00	'NN'	875.00'
T2055	91+40.00	'NN'	395.00'
T2056	2292+20.00		725.00'
T2057	2291+75.00		651.98'
T2058	94+50.00	'NN'	181.35'
T2059	94+45.00	'NN'	190.00'
T2060	93+00.00	'NN'	120.00'
T2061	90+75.00	'NN'	75.00'
T2062	88+85.00	'NN'	90.00'
T2063	88+65.00	'NN'	90.00'
T2064	87+95.00	'NN'	74.28'
T2065	84+70.00	'NN'	235.00
T2066	84+75.00	'NN'	335.00'
T2067	82+85.00	'NN'	350.38'
T2068	82+75.00	'NN'	375.00'
T2069	81+65.00	'NN'	325.00'
T2070	81+85.00	'NN'	165.00'
T2071	81+35.00	'NN'	95.00
T2072	77+52.44	'NN'	87.62
T2073	2303+70.41		325.36'

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.20

THAT PART OF LOT 1 AND LOT 2, CSM 11192 AND THAT PART OF LOT 2 AND LOT 3 OF CSM 3667, LOCATED IN THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
40	LUNDE FARMS, INC.	FEE, TLE	3.427	---	3.427	0.423	---
56	ROSE INVESTMENTS, LLC ADAMS OUTDOOR ADVERTISING	FEE, TLE	0.677	1.388	2.065	0.330	---
57	KOUA VANG AND DIA M. VANG	TLE	---	---	---	0.202	---
58	FRANK L. KNIPFER AND KEVIN F. KNIPFER	FEE, TLE	0.410	0.164	0.574	0.016	---
59	THE MARVIN K. AND ANNETTE M. TOMLINSON REVOCABLE TRUST (VENDOR) GOLDEN GREEN PROPERTIES LLC (PURCHASER)	FEE, TLE, PLE	0.138	1.220	1.358	0.294	0.016
60	WISCONSIN FUEL LLC	FEE, TLE, AR	0.019	0.494	0.513	0.102	---
61	LAD OF JANESVILLE, INC. (VENDOR) CHAD CATLIN (PURCHASER)	FEE, TLE, AR	0.899	---	0.899	0.296	---
62	CHAD CATLIN	FEE, TLE, AR	0.420	---	0.420	0.592	---
64	ROYAL J. LUNDE AND MARIE Z. LUNDE	FEE, TLE	1.187	0.011	1.198	0.058	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

PARCEL NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

(202) WISCONSIN POWER AND LIGHT COMPANY
DOC.654244 - PARCEL 64
NO EASEMENT OF RECORD - PARCEL 56, 58, 59

(205) AT&T WISCONSIN - (WISCONSIN BELL, INC)
NO EASEMENT OF RECORD - PARCEL 56, 58, 59, 61, 64

SIGN NUMBER	SIGN OWNER	OASIS NO.
56-1	ADAMS OUTDOOR ADVERTISING ROSE INVESTMENTS, LLC	NONE

WISCONSIN
JAMES M. BAKER
S-2530
NEW GLARUS
WI
LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.20 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 7/21/2015 DATE
REGISTRATION NUMBER: S-2530

OTIE
Orenda Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

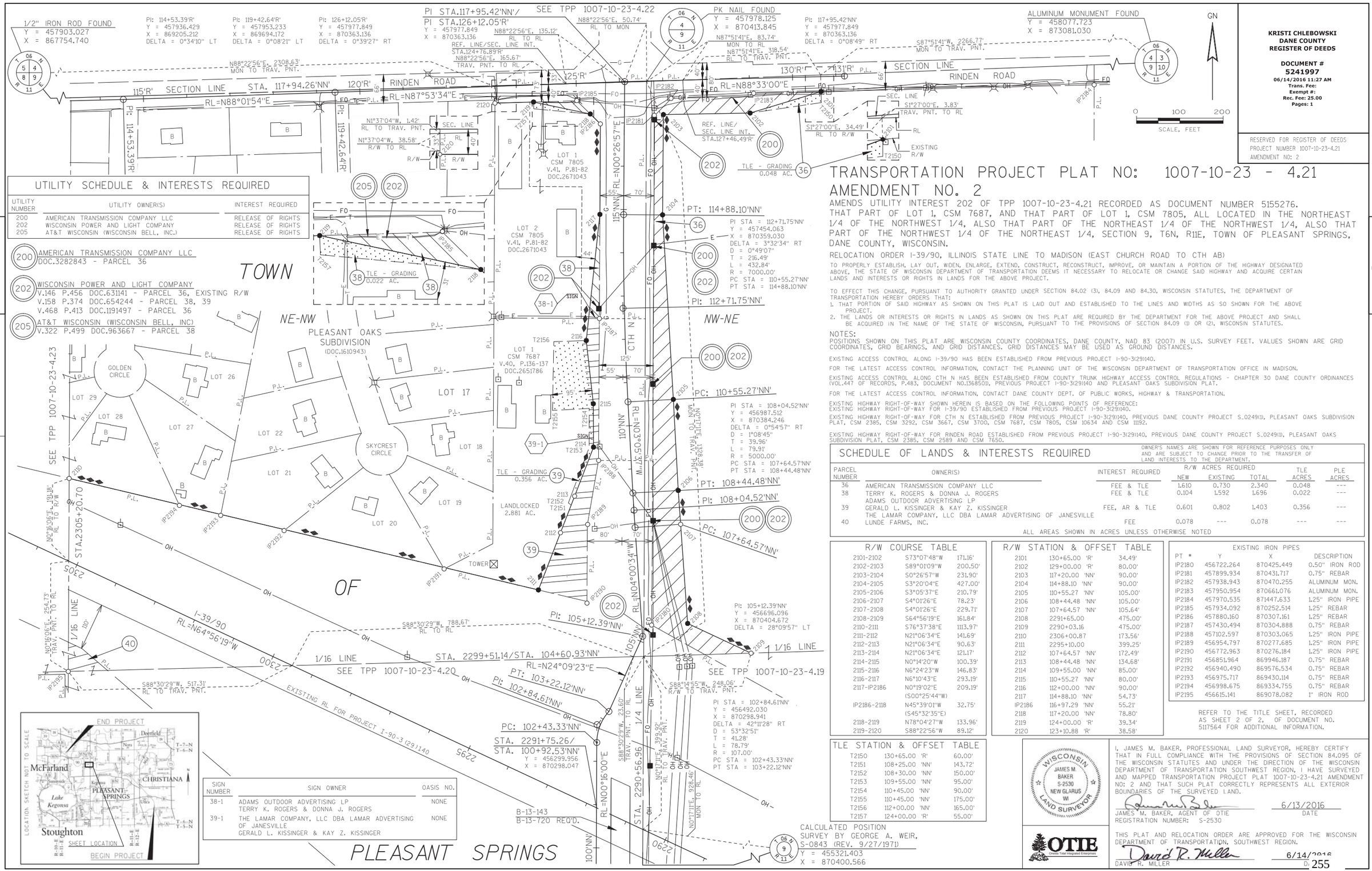
DAVID R. MILLER — 8/11/2015 DATE

PLEASANT SPRINGS
SEE TPP 1007-10-23-4.18

4

FILE NAME : P:\2012026_IH 39\CIVIL\30\RW\PLAT\TPP SUBMITTED FOR RECORDING\1007-10-23-040120_RP.DWG PLOT DATE : 7/21/2015
APPRAISAL PLAT DATE : 7/21/2015
PLOT BY : OTIE
PLOT DATE : 7/21/2015 4:18 PM
PLOT NAME : PLOT SCALE : 1.000000

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE



UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY LLC
DOC.3282843 - PARCEL 36

(202) WISCONSIN POWER AND LIGHT COMPANY
V.146 P.456 DOC.631141 - PARCEL 36, EXISTING R/W
V.158 P.374 DOC.654244 - PARCEL 38, 39
V.468 P.413 DOC.1191497 - PARCEL 36

(205) AT&T WISCONSIN (WISCONSIN BELL, INC)
V.322 P.499 DOC.963667 - PARCEL 38

SIGN NUMBER	SIGN OWNER	OASIS NO.
38-1	ADAMS OUTDOOR ADVERTISING LP TERRY K. ROGERS & DONNA J. ROGERS	NONE
39-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE GERALD L. KISSINGER & KAY Z. KISSINGER	NONE

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5241997
06/14/2016 11:27 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.21
AMENDMENT NO: 2

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.21 AMENDMENT NO. 2

AMENDS UTILITY INTEREST 202 OF TPP 1007-10-23-4.21 RECORDED AS DOCUMENT NUMBER 5155276. THAT PART OF LOT 1, CSM 7687, AND THAT PART OF LOT 1, CSM 7805, ALL LOCATED IN THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368501), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RINDEN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 2589 AND CSM 7650.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	TLE ACRES	PLE ACRES
36	AMERICAN TRANSMISSION COMPANY LLC	FEE & TLE	1.610	0.730	2.340	0.048	---
38	TERRY K. ROGERS & DONNA J. ROGERS ADAMS OUTDOOR ADVERTISING LP	FEE & TLE	0.104	1.592	1.696	0.022	---
39	GERALD L. KISSINGER & KAY Z. KISSINGER THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE, AR & TLE	0.601	0.802	1.403	0.356	---
40	LUNDE FARMS, INC.	FEE	0.078	---	0.078	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

R/W COURSE TABLE

2101-2102	S73°07'48"W	171.16'
2102-2103	S89°01'09"W	200.50'
2103-2104	S0°26'57"W	231.90'
2104-2105	S3°20'04"E	427.00'
2105-2106	S3°05'37"E	210.79'
2106-2107	S4°01'26"E	78.23'
2107-2108	S4°01'26"E	229.71'
2108-2109	S64°56'19"E	161.84'
2110-2111	S76°37'38"E	1113.97'
2111-2112	N21°06'34"E	141.69'
2112-2113	N21°06'34"E	90.63'
2113-2114	N21°06'34"E	121.17'
2114-2115	N0°14'20"W	100.39'
2115-2116	N6°24'23"W	146.83'
2116-2117	N6°10'43"E	293.19'
2117-IP2186	N0°19'02"E (S00°25'44"W)	209.19'
IP2186-2118	N45°39'01"W (S45°32'35"E)	32.75'
2118-2119	N78°04'27"W	133.96'
2119-2120	S88°22'56"W	89.12'

R/W STATION & OFFSET TABLE

2101	130+65.00	'R'	34.49'
2102	129+00.00	'R'	80.00'
2103	117+20.00	'NN'	90.00'
2104	114+88.10	'NN'	90.00'
2105	110+55.27	'NN'	105.00'
2106	108+44.48	'NN'	105.00'
2107	107+64.57	'NN'	105.64'
2108	2291+65.00		475.00'
2109	2290+03.16		475.00'
2110	2306+00.87		173.56'
2111	2295+10.00		399.25'
2112	107+64.57	'NN'	172.49'
2113	108+44.48	'NN'	134.68'
2114	109+55.00	'NN'	85.00'
2115	110+55.27	'NN'	80.00'
2116	112+00.00	'NN'	90.00'
2117	114+88.10	'NN'	54.73'
IP2186	116+97.29	'NN'	55.21'
2118	117+20.00	'NN'	78.80'
2119	124+00.00	'R'	39.34'
2120	123+10.88	'R'	38.58'

TLE STATION & OFFSET TABLE

T2150	130+65.00	'R'	60.00'
T2151	108+25.00	'NN'	143.72'
T2152	108+30.00	'NN'	150.00'
T2153	109+55.00	'NN'	95.00'
T2154	110+45.00	'NN'	90.00'
T2155	110+45.00	'NN'	175.00'
T2156	112+00.00	'NN'	165.00'
T2157	124+00.00	'R'	55.00'

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP2180	456722.264	870425.449	0.50" IRON ROD
IP2181	457899.934	870431.717	0.75" REBAR
IP2182	457938.943	870470.255	ALUMINUM MON.
IP2183	457950.954	870661.076	ALUMINUM MON.
IP2184	457970.535	871447.633	1.25" IRON PIPE
IP2185	457934.092	870252.514	1.25" REBAR
IP2186	457880.160	870307.161	1.25" REBAR
IP2187	457430.494	870304.888	0.75" REBAR
IP2188	457102.597	870303.065	1.25" IRON PIPE
IP2189	456954.797	870277.685	1.25" IRON PIPE
IP2190	456772.963	870276.184	1.25" IRON PIPE
IP2191	456851.964	869946.187	0.75" REBAR
IP2192	456940.490	869576.534	0.75" REBAR
IP2193	456975.717	869430.114	0.75" REBAR
IP2194	456998.675	869334.755	0.75" REBAR
IP2195	456615.141	869078.082	1" IRON ROD

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.21 AMENDMENT NO: 2 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 6/13/2016
REGISTRATION NUMBER: S-2530 — DATE

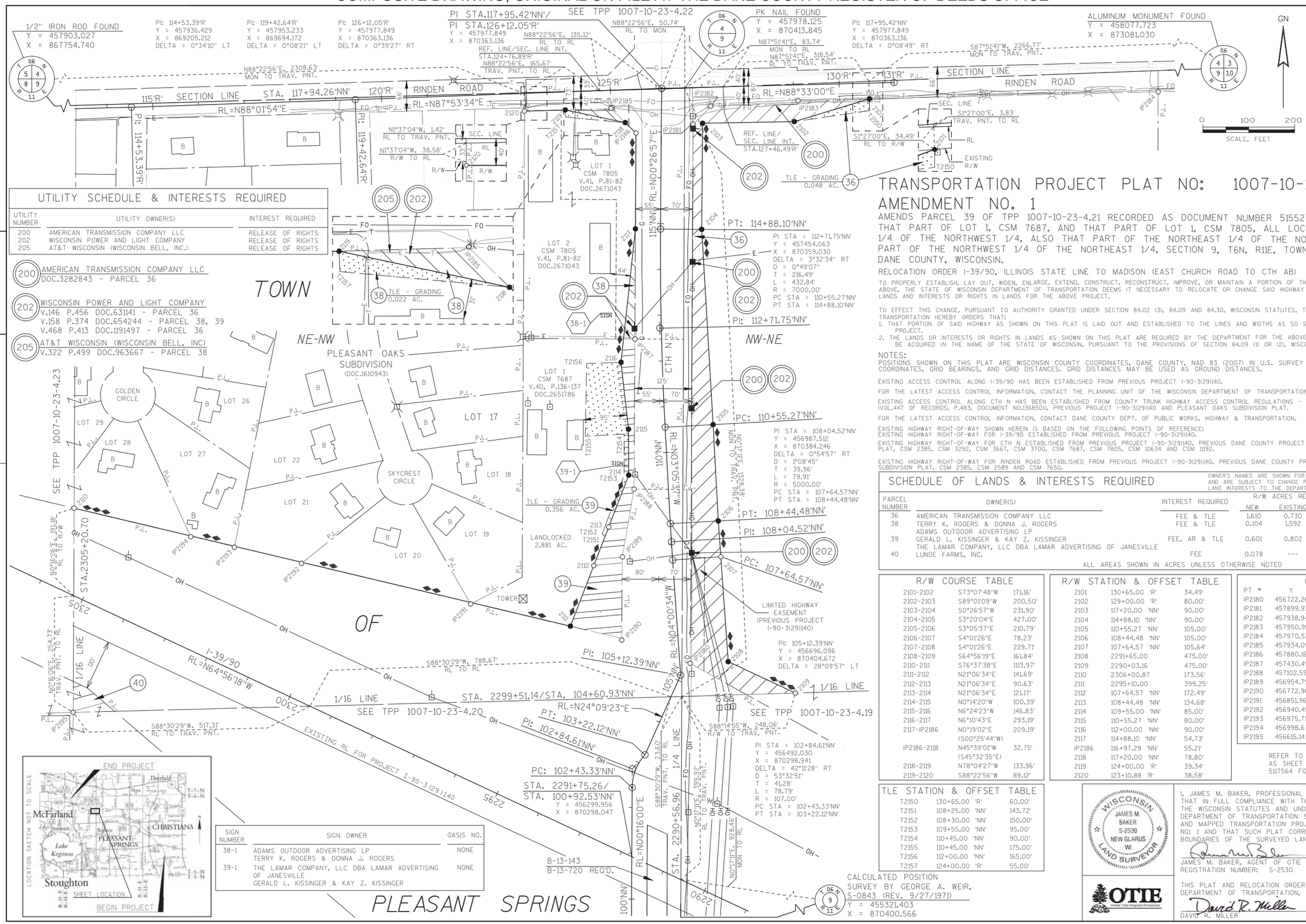
WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 6/14/2016
DATE

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE



TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.21 AMENDMENT NO. 1

AMENDS PARCEL 39 OF TPP 1007-10-23-4.21 RECORDED AS DOCUMENT NUMBER 5155276.
THAT PART OF LOT 1, CSM 7687, AND THAT PART OF LOT 1, CSM 7805, ALL LOCATED IN THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368501), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RINDEN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 2589 AND CSM 7650.

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY LLC
DOC.3282843 - PARCEL 36

(202) WISCONSIN POWER AND LIGHT COMPANY
V.146 P.456 DOC.631141 - PARCEL 36
V.158 P.374 DOC.654244 - PARCEL 38, 39
V.468 P.413 DOC.1191497 - PARCEL 36

(205) AT&T WISCONSIN (WISCONSIN BELL, INC)
V.322 P.499 DOC.963667 - PARCEL 38

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	TLE ACRES	PLE ACRES
36	AMERICAN TRANSMISSION COMPANY LLC	FEE & TLE	1.610	0.730	2.340	0.048	---
38	TERRY K. ROGERS & DONNA J. ROGERS ADAMS OUTDOOR ADVERTISING LP	FEE & TLE	0.104	1.592	1.696	0.022	---
39	GERALD L. KISSINGER & KAY Z. KISSINGER THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE, AR & TLE	0.601	0.802	1.403	0.356	---
40	LUNDE FARMS, INC.	FEE	0.078	---	0.078	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

R/W COURSE TABLE

2101-2102	S73°07'48"W	171.16'
2102-2103	S89°01'09"W	200.50'
2103-2104	S0°26'57"W	231.90'
2104-2105	S3°20'04"E	427.00'
2105-2106	S3°05'37"E	210.79'
2106-2107	S4°01'26"E	78.23'
2107-2108	S4°01'26"E	229.71'
2108-2109	S64°56'19"E	161.84'
2110-2111	S76°37'38"E	1113.97'
2111-2112	N21°06'34"E	141.69'
2112-2113	N21°06'34"E	90.63'
2113-2114	N21°06'34"E	121.17'
2114-2115	N0°14'20"W	100.39'
2115-2116	N6°24'23"W	146.83'
2116-2117	N6°10'43"E	293.19'
2117-IP2186	N0°19'02"E (S00°25'44"W)	209.19'
IP2186-2118	N45°39'01"W (S45°32'35"E)	32.75'
2118-2119	N78°04'27"W	133.96'
2119-2120	S88°22'56"W	89.12'

R/W STATION & OFFSET TABLE

2101	130+65.00 'R'	34.49'
2102	129+00.00 'R'	80.00'
2103	117+20.00 'NN'	90.00'
2104	114+88.10 'NN'	90.00'
2105	110+55.27 'NN'	105.00'
2106	108+44.48 'NN'	105.00'
2107	107+64.57 'NN'	105.64'
2108	2291+65.00	475.00'
2109	2290+03.16	475.00'
2110	2306+00.87	173.56'
2111	2295+10.00	399.25'
2112	107+64.57 'NN'	172.49'
2113	108+44.48 'NN'	134.68'
2114	109+55.00 'NN'	85.00'
2115	110+55.27 'NN'	80.00'
2116	112+00.00 'NN'	90.00'
2117	114+88.10 'NN'	54.73'
IP2186	116+97.29 'NN'	55.21'
2118	117+20.00 'NN'	78.80'
2119	124+00.00 'R'	39.34'
2120	123+10.88 'R'	38.58'

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP2180	456722.264	870425.449	0.50" IRON ROD
IP2181	457899.934	870431.717	0.75" REBAR
IP2182	457938.943	870470.255	ALUMINUM MON.
IP2183	457950.954	870661.076	ALUMINUM MON.
IP2184	457970.535	871447.633	1.25" IRON PIPE
IP2185	457934.092	870252.514	1.25" REBAR
IP2186	457880.160	870307.161	1.25" REBAR
IP2187	457430.494	870304.888	0.75" REBAR
IP2188	457102.597	870303.065	1.25" IRON PIPE
IP2189	456954.797	870277.685	1.25" IRON PIPE
IP2190	456772.963	870276.184	1.25" IRON PIPE
IP2191	456851.964	869946.187	0.75" REBAR
IP2192	456940.490	869576.534	0.75" REBAR
IP2193	456975.717	869430.114	0.75" REBAR
IP2194	456998.675	869334.755	0.75" REBAR
IP2195	456615.141	869078.082	1" IRON ROD

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

TLE STATION & OFFSET TABLE

T2150	130+65.00 'R'	60.00'
T2151	108+25.00 'NN'	143.72'
T2152	108+30.00 'NN'	150.00'
T2153	109+55.00 'NN'	95.00'
T2154	110+45.00 'NN'	90.00'
T2155	110+45.00 'NN'	175.00'
T2156	112+00.00 'NN'	165.00'
T2157	124+00.00 'R'	55.00'

SIGN NUMBER	SIGN OWNER	OASIS NO.
38-1	ADAMS OUTDOOR ADVERTISING LP TERRY K. ROGERS & DONNA J. ROGERS	NONE
39-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE GERALD L. KISSINGER & KAY Z. KISSINGER	NONE

CALCULATED POSITION
SURVEY BY GEORGE A. WEIR, S-0843 (REV. 9/27/1971)
Y = 455321.403
X = 870400.566

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.21 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

JAMES M. BAKER, AGENT OF OTIE — 7/13/2015 DATE
REGISTRATION NUMBER: S-2530

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 7/14/2015 D

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040121_A1_RP.DWG
APPRAISAL PLAT DATE : 7/13/2015
PLOT DATE : 7/13/2015 4:30 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : ==========

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5155276
06/01/2015 11:25 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.21
AMENDMENT NO:___

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.21

THAT PART OF LOT 1, CSM 7687, AND THAT PART OF LOT 1, CSM 7805, ALL LOCATED IN THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368501), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S.0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RINDEN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S.0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 2589 AND CSM 7650.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	TLE ACRES	PLE ACRES	HE ACRES
36	AMERICAN TRANSMISSION COMPANY LLC	FEE & TLE	1.610	0.730	2.340	0.048	---	---
38	TERRY K. ROGERS & DONNA J. ROGERS ADAMS OUTDOOR ADVERTISING LP	FEE & TLE	0.104	1.592	1.696	0.022	---	---
39	GERALD L. KISSINGER & KAY Z. KISSINGER THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	HE, AR & TLE	---	---	---	0.356	---	0.601
40	LUNDE FARMS, INC.	FEE	0.078	---	0.078	---	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY LLC
DOC.3282843 - PARCEL 36

(202) WISCONSIN POWER AND LIGHT COMPANY
V.146 P.456 DOC.631141 - PARCEL 36
V.158 P.374 DOC.654244 - PARCEL 38, 39
V.468 P.413 DOC.1191497 - PARCEL 36

(205) AT&T WISCONSIN (WISCONSIN BELL, INC)
V.322 P.499 DOC.963667 - PARCEL 38

R/W COURSE TABLE

2101-2102	S73°07'48"W	171.16'
2102-2103	S89°01'09"W	200.50'
2103-2104	S0°26'57"W	231.90'
2104-2105	S3°20'04"E	427.00'
2105-2106	S3°05'37"E	210.79'
2106-2107	S4°01'26"E	78.23'
2107-2108	S4°01'26"E	229.71'
2108-2109	S64°56'19"E	161.84'
2110-2111	S76°37'38"E	1113.97'
2111-2112	N21°06'34"E	141.69'
2112-2113	N21°06'34"E	90.63'
2113-2114	N21°06'34"E	121.17'
2114-2115	N0°14'20"W	100.39'
2115-2116	N6°24'23"W	146.83'
2116-2117	N6°10'43"E	293.19'
2117-IP2186	N0°19'02"E (S00°25'44"W)	209.19'
IP2186-2118	N45°39'01"W (S45°32'35"E)	32.75'
2118-2119	N78°04'27"W	133.96'
2119-2120	S88°22'56"W	89.12'

R/W STATION & OFFSET TABLE

2101	130+65.00	'R'	34.49'
2102	129+00.00	'R'	80.00'
2103	117+20.00	'NN'	90.00'
2104	114+88.10	'NN'	90.00'
2105	110+55.27	'NN'	105.00'
2106	108+44.48	'NN'	105.00'
2107	107+64.57	'NN'	105.64'
2108	2291+65.00		475.00'
2109	2290+03.16		475.00'
2110	2306+00.87		173.56'
2111	2295+10.00		399.25'
2112	107+64.57	'NN'	172.49'
2113	108+44.48	'NN'	134.68'
2114	109+55.00	'NN'	85.00'
2115	110+55.27	'NN'	80.00'
2116	112+00.00	'NN'	90.00'
2117	114+88.10	'NN'	54.73'
IP2186	116+97.29	'NN'	55.21'
2118	117+20.00	'NN'	78.80'
2119	124+00.00	'R'	39.34'
2120	123+10.88	'R'	38.58'

TLE STATION & OFFSET TABLE

T2150	130+65.00	'R'	60.00'
T2151	108+25.00	'NN'	143.72'
T2152	108+30.00	'NN'	150.00'
T2153	109+55.00	'NN'	95.00'
T2154	110+45.00	'NN'	90.00'
T2155	110+45.00	'NN'	175.00'
T2156	112+00.00	'NN'	165.00'
T2157	124+00.00	'R'	55.00'

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP2180	456722.264	870425.449	0.50" IRON ROD
IP2181	457899.934	870431.717	0.75" REBAR
IP2182	457938.943	870470.255	ALUMINUM MON.
IP2183	457950.954	870661.076	ALUMINUM MON.
IP2184	457970.535	871447.633	1.25" IRON PIPE
IP2185	457934.092	870252.514	1.25" REBAR
IP2186	457880.160	870307.161	1.25" REBAR
IP2187	457430.494	870304.888	0.75" REBAR
IP2188	457102.597	870303.065	1.25" IRON PIPE
IP2189	456954.797	870277.685	1.25" IRON PIPE
IP2190	456772.963	870276.184	1.25" IRON PIPE
IP2191	456851.964	869946.187	0.75" REBAR
IP2192	456940.490	869576.534	0.75" REBAR
IP2193	456975.717	869430.114	0.75" REBAR
IP2194	456998.675	869334.755	0.75" REBAR
IP2195	456615.141	869078.082	1" IRON ROD

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

SIGN NUMBER	SIGN OWNER	OASIS NO.
38-1	ADAMS OUTDOOR ADVERTISING LP TERRY K. ROGERS & DONNA J. ROGERS	NONE
39-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE GERALD L. KISSINGER & KAY Z. KISSINGER	NONE

CALCULATED POSITION
SURVEY BY GEORGE A. WEIR,
S-0843 (REV. 9/27/1971)
Y = 455321.403
X = 870400.566

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/21/2015 DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/28/2015 DATE

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040121_RP.DWG
APPRAISAL PLAT DATE : 5/21/2015
PLOT DATE : 5/21/2015 1:13 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : **********

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.22

THAT PART OF LOT 1, CSM 2385, LOCATED IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF VACATED WAYNE JACOBSON DRIVE LOCATED IN THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 4, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368501), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RINDEN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 2589 AND CSM 7650.

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
214	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

200 AMERICAN TRANSMISSION COMPANY, LLC
DOC.3282843 - PARCEL 41

202 WISCONSIN POWER AND LIGHT COMPANY
V.147 P.315 DOC.632508 - PARCEL 41

214 CHARTER COMMUNICATIONS
NO EASEMENT OF RECORD - PARCEL 41

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
41	THE TRUSTEES OF THE T. WESLEY SKAAR AND LOIS M. SKAAR REVOCABLE TRUST, AND SKAAR SCATTERED ACRES, INC.	FEE	0.433	0.602	1.035	---	---
42	DANIEL J. SPILDE & KENT D. SPILDE	FEE & PLE	0.501	2.295	2.796	---	0.270
43	MARK A. WUSTRACK & KIM R. WUSTRACK	FEE & PLE	0.169	0.845	1.014	---	0.019

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5150146
05/11/2015 8:51 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.22
AMENDMENT NO:___

ALUMINUM MONUMENT FOUND
Y = 463398.619
X = 870458.075

STA. 131+41.88'NN' 1/16 LINE

1/16 LINE

S89°17'01"E, 50.19' RL TO TRAV. PNT.
S89°17'01"E, 58.80' R/W TO RL

S89°17'01"E, 11.01' TRAV. PNT. TO R/W

LIMITED HIGHWAY EASEMENT V.240 MISC., P.276 DOC.820093 (PREVIOUS DANE COUNTY PROJECT S_0249(1))

PLE - DRAINAGE 0.270 AC.

RL=N00°42'59"E

CTH N

1/4 LINE

LOT 1 CSM 3292 V.13, P.28-29 DOC.1639400

WAYNE JACOBSON DRIVE VACATED PER DOC.4804783

PI: 124+17.02'NN'
Y = 458599.439
X = 870366.413
DELTA = 0°24'51" RT

PI: 124+17.02'NN'

N0°28'03"E, 152.66' REF. LINE TO TRAV. PNT.

N0°28'03"W, 4267.01' MON TO TRAV. PNT.

R/W STATION AND OFFSET TABLE

2201	123+11.50 'R'	34.41'
2202	118+80.00 'NN'	90.00'
2203	119+75.00 'NN'	59.58'
2208	123+00.00 'NN'	58.03'
2209	124+17.02 'NN'	83.63'
2210	126+00.00 'NN'	125.00'
2214	129+50.00 'NN'	58.80'
2215	129+50.00 'NN'	61.20'
2216	127+50.00 'NN'	100.00'
2217	126+00.00 'NN'	62.07'
2218	124+16.79 'NN'	62.52'
2219	121+80.00 'NN'	61.40'
2220	118+80.00 'NN'	90.00'
2221	130+65.00 'R'	31.51'

R/W COURSE TABLE

2201-2202	N73°46'24"E	220.86'
2202-2203	N18°03'36"E	99.75'
2203-P2204	N0°34'26"E	115.00'
P2204-P2207	N0°34'26"E	40.00'
P2207-2208	N0°34'26"E	170.00'
2208-2209	N12°00'14"W	120.08'
2209-2210	N12°00'14"W	187.90'
2210-P2213	N11°25'36"E	203.55'
P2213-2214	N11°25'36"E	152.66'
2215-2216	S10°15'47"E	203.73'
2216-2217	S14°54'28"W	154.72'
2217-2218	S0°34'26"W	182.76'
2218-2219	S0°34'26"W	236.79'
2219-2220	S05°08'38"E	301.36'
2220-2221	S83°30'28"E	363.89'

PLE STATION AND OFFSET TABLE

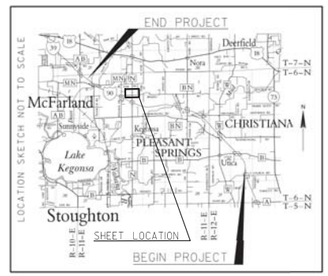
P2204	120+90.00 'NN'	59.03'
P2205	120+90.00 'NN'	80.00'
P2206	121+30.00 'NN'	80.00'
P2207	121+30.00 'NN'	58.84'
P2211	126+00.00 'NN'	165.00'
P2212	128+00.00 'NN'	165.00'
P2213	128+00.00 'NN'	87.17'

PLE COURSE TABLE

P2204-P2205	N89°41'52"W	20.97'
P2205-P2206	N0°18'08"E	40.00'
P2206-P2207	S89°41'52"E	21.16'
2210-P2211	N89°17'01"W	40.00'
P2211-P2212	N0°42'59"E	200.00'
P2212-P2213	S89°17'01"E	77.83'

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP2280	458664.698	870430.282	0.75" REBAR
IP2281	459323.172	870328.505	2" IRON PIPE
IP2282	458434.047	870299.878	1.25" IRON PIPE
IP2283	458065.089	870301.971	1" IRON PIPE
IP2284	458006.670	870245.472	1" IRON PIPE
IP2285	457995.945	869876.959	1" IRON PIPE



PLEASANT SPRINGS

SE-SW

SW-SE

TOWN

OF

PI: 114+53.39'R'
Y = 457936.429
X = 869205.212
DELTA = 0°34'10" LT

PI: 119+42.64'R'
Y = 457953.233
X = 869694.172
DELTA = 0°08'21" LT

PI: 117+95.42'NN'
Y = 457977.849
X = 870363.136
DELTA = 0°08'49" RT

PI: 126+12.05'R'
Y = 457977.849
X = 870363.136
DELTA = 0°39'27" RT

PI STA.117+95.42'NN'/
PI STA.126+12.05'R'
Y = 457977.849
X = 870363.136

REF. LINE/ SEC. LINE INT. STA.117+94.26'NN'
SEC. LINE
1/4 LINE
REF. LINE/ 1/4 LINE INT. STA.126+62.79'R'
N0°28'03"E, 1.01' MON TO RL
N0°26'57"E, 1.16' TRAV. PNT. TO PI

LOT 1 CSM 7650 V.40, P.43 DOC.2644230

LOT 1 CSM 2385 V.9, P.269 DOC.1516972

PLE - DRAINAGE 0.019 AC.

PK NAIL FOUND
Y = 457,978.125
X = 870,413.845

ALUMINUM MONUMENT FOUND
Y = 458077.723
X = 873081.030

SEE TPP 1007-10-23-4.23

STA. 113+32.40'R' 1/16 LINE

PI: 114+53.39'R'

PI: 119+42.64'R'

115'R'

120'R'

125'R'

130'R'

131'R'

SECTION LINE

RINDEN ROAD

RL=N88°01'54"E

RL=N87°53'34"E

RL=N88°33'00"E

S87°51'41"W, 2266.77' MON TO TRAV. PNT.

S87°51'41"W, 318.54' TRAV. PNT. TO RL

S87°51'41"W, 83.74' RL TO MON

N0°17'11"E, 2656.76' MON TO MON

REF. LINE/ SEC. LINE INT. STA.127+46.49'R'

N88°22'56"E, 2308.63' MON TO TRAV. PNT.

S88°22'56"W, 165.67' RL TO TRAV. PNT.

REF. LINE/ SEC. LINE INT. STA.124+76.89'R'

S88°22'56"W, 135.12' RL TO RL

S88°22'56"W, 50.74' MON TO RL

N1°37'04"W, 33.00' TRAV. PNT. TO R/W

S1°37'04"E, 1.42' TRAV. PNT. TO RL

SEC. LINE

S1°27'00"E, 27.68' R/W TO TRAV. PNT.

S1°27'00"E, 3.83' TRAV. PNT. TO RL

1/2" IRON ROD FOUND
Y = 457903.027
X = 867754.740

CALCULATED POSITION SURVEY BY GEORGE A. WEIR, S-0843 (REV. 9/27/1971)
Y = 455321.403
X = 870400.566

SEE TPP 1007-10-23-4.21

GN

0 100 200
SCALE, FEET

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.22 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE
REGISTRATION NUMBER: S-2530
5/7/2015 DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER
5/7/2015 DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040122_RP.DWG
APPRAISAL PLAT DATE : 5/7/2015
PLOT DATE : 5/7/2015 9:07 AM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : **********

1007-10-23-4.22

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

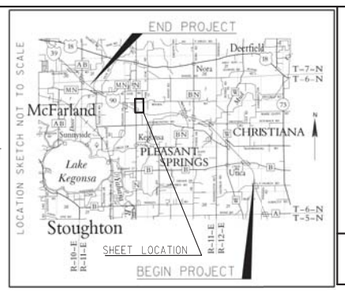
TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.23
AMENDMENT NO. 1

AMENDS PARCELS 40 & 45 AND ADDS EASEMENT DOCUMENT NUMBER 963667 TO UTILITY NUMBER 205 OF TPP 1007-10-23-4.23 RECORDED AS DOCUMENT NUMBER 5119654.
THAT PART OF LOT 1, CSM 6287, LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF OUTLOT 1, PLEASANT OAKS SUBDIVISION, LOCATED IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 9, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 IN SECTION 4, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5150145
05/11/2015 8:45 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

259

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.23
AMENDMENT NO: 1

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG WILLIAMS DRIVE HAS BEEN ESTABLISHED FROM PLEASANT OAKS SUBDIVISION PLAT.

EXISTING ACCESS CONTROL ALONG RINDEN ROAD HAS BEEN ESTABLISHED FROM PLEASANT OAKS SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RINDEN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 2589 AND CSM 7650.

EXISTING HIGHWAY RIGHT-OF-WAY FOR WILLIAMS DRIVE ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PLEASANT OAKS SUBDIVISION PLAT, CSM 800, CSM 6287 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR LUNDE LANE ESTABLISHED FROM DOC.4439138 AND EXISTING CENTER LINE.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
40	LUNDE FARMS, INC	FEE, TLE	1.218	---	1.218	0.163	---
42	DANIEL J. SPILDE AND KENT D. SPILDE	FEE	0.201	0.279	0.480	---	---
44	M&W OLSON, A WISCONSIN PARTNERSHIP	FEE, TLE	0.212	0.123	0.335	0.020	---
45	RAY A. PETERSON	FEE, PLE, AR	0.022	---	0.022	---	0.110

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
204	ANR PIPELINE	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS
238	WINDSTREAM	RELEASE OF RIGHTS

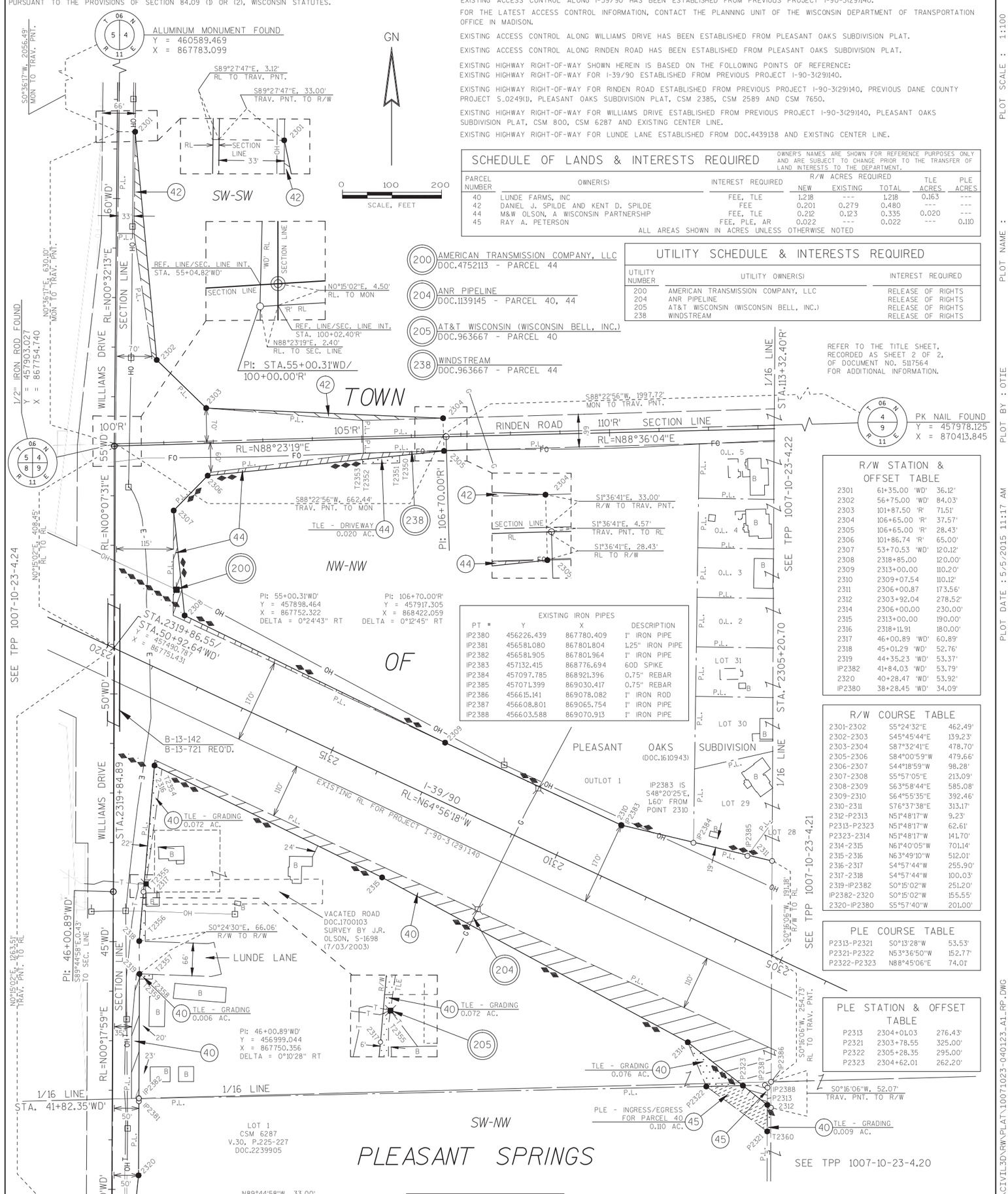
200 AMERICAN TRANSMISSION COMPANY, LLC
DOC.4752113 - PARCEL 44

204 ANR PIPELINE
DOC.1139145 - PARCEL 40, 44

205 AT&T WISCONSIN (WISCONSIN BELL, INC.)
DOC.963667 - PARCEL 40

238 WINDSTREAM
DOC.963667 - PARCEL 44

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.



EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP2380	456226.439	867780.409	1" IRON PIPE
IP2381	456558.080	867801.804	1.25" IRON PIPE
IP2382	456581.905	867801.964	1" IRON PIPE
IP2383	457132.415	868776.694	60D SPIKE
IP2384	457097.785	868921.396	0.75" REBAR
IP2385	457071.399	869030.417	0.75" REBAR
IP2386	456615.141	869078.082	1" IRON ROD
IP2387	456608.801	869065.754	1" IRON PIPE
IP2388	456603.588	869070.913	1" IRON PIPE

R/W STATION & OFFSET TABLE

2301	61+35.00 'WD'	36.12'
2302	56+75.00 'WD'	84.03'
2303	101+87.50 'R'	71.51'
2304	106+65.00 'R'	37.57'
2305	106+65.00 'R'	28.43'
2306	101+86.74 'R'	65.00'
2307	53+70.53 'WD'	120.12'
2308	2318+85.00	120.00'
2309	2313+00.00	110.20'
2310	2309+07.54	110.12'
2311	2306+00.87	173.56'
2312	2303+92.04	278.52'
2314	2306+00.00	230.00'
2315	2313+00.00	190.00'
2316	2318+11.91	180.00'
2317	46+00.89 'WD'	60.89'
2318	45+01.29 'WD'	52.76'
2319	44+35.23 'WD'	53.37'
IP2382	41+84.03 'WD'	53.79'
2320	40+28.47 'WD'	53.92'
IP2380	38+28.45 'WD'	34.09'

R/W COURSE TABLE

2301-2302	S5°24'32"E	462.49'
2302-2303	S45°45'44"E	139.23'
2303-2304	S87°32'41"E	478.70'
2305-2306	S84°00'59"W	479.66'
2306-2307	S44°18'59"W	98.28'
2307-2308	S5°57'05"E	213.09'
2308-2309	S63°58'44"E	585.08'
2309-2310	S64°55'35"E	392.46'
2310-2311	S76°37'38"E	313.17'
2312-P2313	N51°48'17"W	9.23'
P2313-P2323	N51°48'17"W	62.61'
P2323-2314	N51°48'17"W	141.70'
2314-2315	N61°40'05"W	701.14'
2315-2316	N63°49'10"W	512.01'
2316-2317	S4°57'44"W	255.90'
2317-2318	S4°57'44"W	100.03'
2319-IP2382	S0°15'02"W	251.20'
IP2382-2320	S0°15'02"W	155.55'
2320-IP2380	S5°57'40"W	201.00'

PLE COURSE TABLE

P2313-P2321	S0°13'28"W	53.53'
P2321-P2322	N53°36'50"W	152.77'
P2322-P2323	N88°45'06"E	74.01'

PLE STATION & OFFSET TABLE

P2313	2304+01.03	276.43'
P2321	2303+78.55	325.00'
P2322	2305+28.35	295.00'
P2323	2304+62.01	262.20'

TLE STATION & OFFSET TABLE

T2350	105+75.00 'R'	35.32'
T2351	105+75.00 'R'	50.00'
T2352	105+00.00 'R'	50.00'
T2353	105+00.00 'R'	41.05'
T2354	2317+95.00	180.33'
T2355	46+10.00 'WD'	65.00'
T2356	45+00.91 'WD'	65.00'
T2357	44+34.41 'WD'	80.00'
T2358	44+25.00 'WD'	80.00'
T2359	44+25.00 'WD'	53.58'
T2360	2303+70.41	325.36'

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.23 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/5/2015 DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/6/2015 DATE

4

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040123_A1_RP.DWG
APPRAISAL PLAT DATE : 5/5/2015
PLOT SCALE : 1:100
PLOT NAME :
PLOT BY : OTIE
PLOT DATE : 5/5/2015 11:17 AM
1007-10-23-4.23 AMENDMENT NO: 1

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.23

THAT PART OF LOT 1, CSM 6287, LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF OUTLOT 1, PLEASANT OAKS SUBDIVISION, LOCATED IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 9, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 IN SECTION 4, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN

0 100 200

SCALE, FEET

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5119654
12/29/2014 10:48 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

260

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.23
AMENDMENT NO:

1007-10-23-4.23

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG WILLIAMS DRIVE HAS BEEN ESTABLISHED FROM PLEASANT OAKS SUBDIVISION PLAT.

EXISTING ACCESS CONTROL ALONG RINDEN ROAD HAS BEEN ESTABLISHED FROM PLEASANT OAKS SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RINDEN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 2589 AND CSM 7650.

EXISTING HIGHWAY RIGHT-OF-WAY FOR WILLIAMS DRIVE ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PLEASANT OAKS SUBDIVISION PLAT, CSM 800, CSM 6287 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR LUNDE LANE ESTABLISHED FROM DOC.4439138 AND EXISTING CENTER LINE.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	TLE ACRES	PLE ACRES
40	LUNDE FARMS INC	FEE, TLE	1.286	---	1.286	0.078	---
42	DANIEL J. SPILDE AND KENT D. SPILDE	FEE	0.201	0.279	0.480	---	---
44	M&W OLSON, A WISCONSIN PARTNERSHIP	FEE, TLE	0.212	0.123	0.335	0.020	---
45	RAY A. PETERSON	FEE	0.097	---	0.097	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
204	ANR PIPELINE	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS
238	WINDSTREAM	RELEASE OF RIGHTS

200 AMERICAN TRANSMISSION COMPANY, LLC
DOC.4752113 - PARCEL 44

204 ANR PIPLINE
DOC.1139145 - PARCEL 40, 44

205 AT&T WISCONSIN (WISCONSIN BELL, INC.)
PARCEL 40

238 WINDSTREAM
DOC.963667 - PARCEL 44

ALUMINUM MONUMENT FOUND
Y = 460589.469
X = 867783.099

PK NAIL FOUND
Y = 457978.125
X = 870413.845

1/2" IRON ROD FOUND
Y = 457903.027
X = 867754.740

ALUMINUM MONUMENT FOUND
Y = 455258.022
X = 867743.174

PI: 106+70.00'R'
Y = 457917.305
X = 868422.059
DELTA = 0°12'45" RT

PI: STA.55+00.31'WD/
100+00.00'R'

PI: 55+00.31'WD'
Y = 457898.464
X = 867752.322
DELTA = 0°24'43" RT

PI: 46+00.89'WD'
Y = 456999.044
X = 867750.356
DELTA = 0°10'28" RT

STA.2319+86.55/
STA.50+92.64'WD'
X = 457490.781
Y = 867754.431

STA. 2305+20.70

STA. 41+82.35'WD'

LOT 1
CSM 6287
V.30, P.225-227
DOC.2239905

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP2380	456226.439	867780.409	1" IRON PIPE
IP2381	456581.080	867801.804	1.25" IRON PIPE
IP2382	456581.905	867801.964	1" IRON PIPE
IP2383	457132.415	868776.694	60D SPIKE
IP2384	457097.785	868921.396	0.75" REBAR
IP2385	457071.399	869030.417	0.75" REBAR
IP2386	456615.141	869078.082	1" IRON ROD
IP2387	456608.801	869065.754	1" IRON PIPE
IP2388	456603.588	869070.913	1" IRON PIPE

R/W COURSE TABLE

2301-2302	S5°24'32"E	462.49'
2302-2303	S45°45'44"E	139.23'
2303-2304	S87°32'41"E	478.70'
2305-2306	S84°00'59"W	479.66'
2306-2307	S44°18'59"W	98.28'
2307-2308	S5°57'05"E	213.09'
2308-2309	S63°58'44"E	585.08'
2309-2310	S64°55'35"E	392.46'
2310-2311	S76°37'38"E	313.17'
2312-2313	N53°20'43"W	149.28'
2313-2314	N29°56'46"W	95.91'
2314-2315	N61°40'05"W	701.14'
2315-2316	N63°49'10"W	512.01'
2316-2317	S4°57'44"W	255.90'
2317-2318	S4°57'44"W	100.03'
2319-IP2382	S0°15'02"W	251.20'
IP2382-2320	S0°15'02"W	155.55'
2320-IP2380	S5°57'40"W	201.00'

R/W STATION & OFFSET TABLE

2301	61+35.00 'WD'	36.12'
2302	56+75.00 'WD'	84.03'
2303	101+87.50 'R'	71.51'
2304	106+65.00 'R'	37.57'
2305	106+65.00 'R'	28.43'
2306	101+86.74 'R'	65.00'
2307	53+70.53 'WD'	120.12'
2308	2318+85.00	120.00'
2309	2313+00.00	110.20'
2310	2309+07.54	110.12'
2311	2306+00.87	173.56'
2312	2303+75.19	315.00'
2313	2305+21.43	285.00'
2314	2306+00.00	230.00'
2315	2313+00.00	190.00'
2316	2318+11.91	180.00'
2317	46+00.89 'WD'	60.89'
2318	45+01.29 'WD'	52.76'
2319	44+35.23 'WD'	53.37'
IP2382	41+84.03 'WD'	53.79'
2320	40+28.47 'WD'	53.92'
IP2380	38+28.45 'WD'	34.09'

TLE STATION & OFFSET TABLE

T2350	105+75.00 'R'	35.32'
T2351	105+75.00 'R'	50.00'
T2352	105+00.00 'R'	50.00'
T2353	105+00.00 'R'	41.05'
T2354	2317+95.00	180.33'
T2355	46+10.00 'WD'	65.00'
T2356	45+00.91 'WD'	65.00'
T2357	44+34.41 'WD'	80.00'
T2358	44+25.00 'WD'	80.00'
T2359	44+25.00 'WD'	53.58'

LOCATION SKETCH NOT TO SCALE

END PROJECT
Deerfield
McFarland
CHRISTIANA
PLEASANT SPRINGS
Lake Kegonsa
Stoughton
SHEET LOCATION
BEGIN PROJECT

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.23 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 12/22/2014
REGISTRATION NUMBER: S-2530 — DATE

OTIE Orbeta Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 12/23/2014
DATE

4

FILE NAME : P:\2012026_IH 39\CIVIL\3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\1007102 3-040123_RP.DWG
APPRAISAL PLAT DATE : 12/22/2014
PLOT DATE : 12/22/2014 9:44 AM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : 1:100

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.24

THAT PART OF LOT 1, CSM 800, LOCATED IN THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF VACATED RITCHIE DRIVE LOCATED IN THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 8, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 IN SECTION 5, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR WILLIAMS DRIVE ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PLEASANT OAKS SUBDIVISION PLAT, CSM 800, CSM 6287 AND EXISTING CENTER LINE.

R/W STATION & OFFSET TABLE			
2401	38+98.40 'WD'	31.97'
2402	38+98.38 'WD'	50.97'
2403	41+80.74 'WD'	51.21'
2404	46+00.78 'WD'	76.47'
IP2482	46+98.96 'WD'	82.06'
2405	2320+05.00	185.00'
2406	2329+75.00	190.00'
2409	2330+45.00	190.00'
2410	2333+00.00	193.81'
2411	2334+01.62	195.33'
2412	2335+42.73	120.86'
2413	2326+09.74	149.95'
2414	2321+90.00	154.82'
2417	55+00.31 'WD'	98.30'
2418	55+01.48 'WD'	98.13'
2421	61+35.00 'WD'	29.88'

R/W COURSE TABLE		
2401-2402	N89°44'58"W	19.00'
2402-2403	N0°15'02"E	282.35'
2403-2404	N3°08'32"W	420.80'
2404-IP2482	N3°08'32"W	98.11'
IP2482-2405	N2°58'39"W	234.05'
2405-2406	N65°14'02"W	970.01'
2406-2409	N64°56'19"W	70.00'
2409-2410	N65°47'39"W	255.03'
2410-2411	N65°47'39"W	101.63'
2412-2413	SEE CURVE DATA ON SHEET	
2413-2414	SEE CURVE DATA ON SHEET	
2414-P2415	N6°41'11"E	162.26'
P2415-2417	N6°41'11"E	20.80'
2417-2418	N6°41'11"E	1.53'
2418-P2420	N6°41'11"E	28.69'
P2420-2421	N6°41'11"E	608.50'

TLE STATION & OFFSET TABLE			
T2450	45+90.00 'WD'	75.82'
T2451	45+90.00 'WD'	90.00'
T2452	46+45.00 'WD'	90.00'
T2453	46+45.00 'WD'	78.98'

PLE STATION & OFFSET TABLE		
P2407	2329+75.00	205.00'
P2408	2330+45.00	205.00'
P2415	54+80.00 'WD'	100.67'
P2416	54+80.00 'WD'	115.00'
P2419	55+30.00 'WD'	115.00'
P2420	55+30.00 'WD'	95.06'

PLE COURSE TABLE		
2406-P2407	S25°03'41"W	15.00'
P2407-P2408	N64°56'19"W	70.00'
P2408-2409	N25°03'41"E	15.00'
P2415-P2416	N89°52'29"W	14.33'
P2416-P2419	N0°22'09"E	50.83'
P2419-P2420	S89°27'47"E	19.94'

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP2480	456962.104	867693.220	0.75" IRON ROD
IP2481	457096.907	867693.790	0.75" IRON ROD
IP2482	457097.290	867668.507	0.75" IRON ROD
IP2483	457352.638	867669.776	0.75" IRON ROD
IP2484	457462.775	867432.109	0.75" IRON ROD

SCHEDULE OF LANDS & INTERESTS REQUIRED

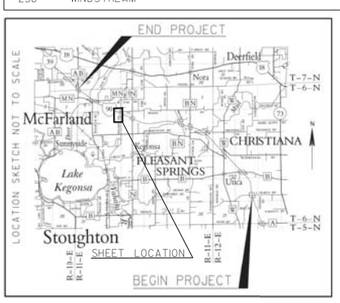
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
46	SKAAR SCATTERED ACRES, INC.	FEE, PLE	0.758	---	0.758	---	0.032
47	JOHN SEGER	FEE, TLE	0.254	---	0.254	0.016	---
48	ERICH A. PARPART & DANA L. PARPART	FEE, PLE	0.295	0.155	0.450	---	0.012

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

PARCEL NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
238	WINDSTREAM	RELEASE OF RIGHTS



GN

0 100 200
SCALE, FEET

200 AMERICAN TRANSMISSION COMPANY, LLC
DOC.4764140 - PARCEL 46

238 WINDSTREAM
NO EASEMENT OF RECORD - PARCEL 48

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.24 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — DATE 12/22/2014
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — DATE 12/23/2014

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5119655
12/29/2014 10:52 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

261

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.24
AMENDMENT NO:

ALUMINUM MONUMENT FOUND
Y = 460589.469
X = 867783.099

1/2" IRON ROD FOUND
Y = 457903.027
X = 867754.740

1 1/4" REBAR FOUND
Y = 457835.540
X = 865017.396

ALUMINUM MONUMENT FOUND
Y = 455258.022
X = 867743.174

PI: 55+00.31'WD'
Y = 457898.464
X = 867752.322
DELTA = 0°24'43" RT

PI: 46+00.89'WD'
Y = 456999.044
X = 867750.356
DELTA = 0°10'28" RT

RITCHIE DRIVE VACATED PER DOC.4804783

LOT 1 CSM 800 V.4, P.9 DOC.1322440

SEE TPP 1007-10-23-4.25

SEE TPP 1007-10-23-4.23

TOWN OF PLEASANT SPRINGS

WILLIAMS DRIVE

RINDEN ROAD

SECTION LINE

1/16 LINE

STA. 2334+88.79 ℄ 1/16 LINE

STA. 2329+10.83/ 55+04.82'WD'

STA.2319+86.55/ STA.50+92.64'WD'

STA. 2319+84.89

STA. 41+82.35'WD'

I-39/90

EXISTING RL FOR PROJECT I-90-3(29)140

C-13-52
C-13-3089 REQ'D.

B-13-142
B-13-721 REQ'D.

PLE - DRAINAGE 0.012 AC.

PLE - DRAINAGE 0.008 AC.

PLE - DRAINAGE 0.024 AC.

TLE - DRIVEWAY 0.016 AC.

0.047 AC. REM.

0.835 AC. REM.

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040124_RP.DWG
APPRAISAL PLAT DATE : 12/22/2014
PLOT DATE : 12/22/2014 10:21 AM PLOT BY : OTIE PLOT NAME : PLOT SCALE : 1:100
1007-10-23-4.24

4

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.25

THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 5, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5236995
05/25/2016 12:00 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.25
AMENDMENT NO:__

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

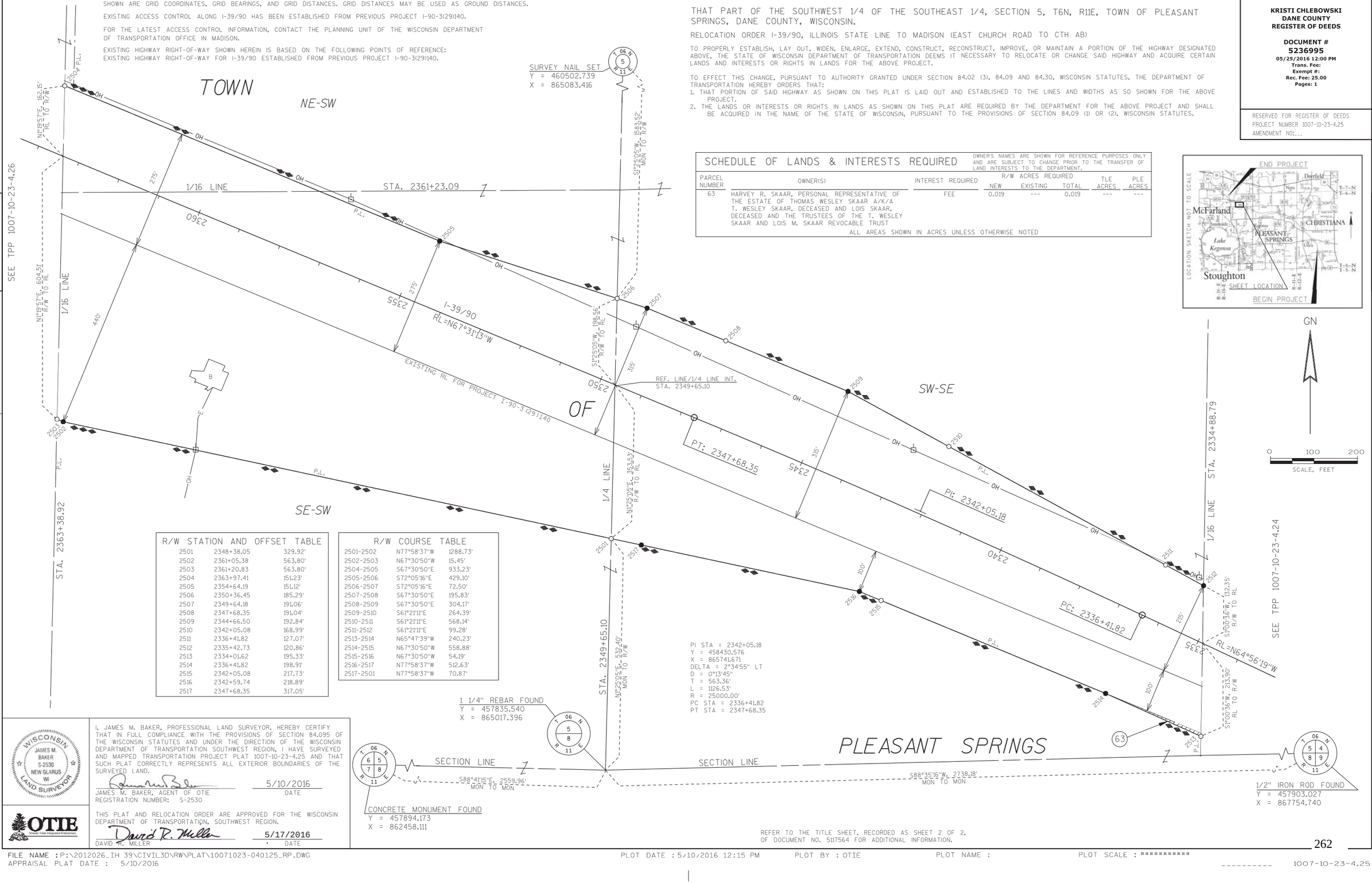
SURVEY NAIL SET
Y = 460502.739
X = 865083.416

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
63	HARVEY R. SKAAR, PERSONAL REPRESENTATIVE OF THE ESTATE OF THOMAS WESLEY SKAAR A/K/A T. WESLEY SKAAR, DECEASED AND LOIS SKAAR, DECEASED AND THE TRUSTEES OF THE T. WESLEY SKAAR AND LOIS M. SKAAR REVOCABLE TRUST	FEE	0.019	---	0.019	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED



R/W STATION AND OFFSET TABLE

2501	2348+38.05	329.92'
2502	2361+05.38	563.80'
2503	2361+20.83	563.80'
2504	2363+97.41	151.23'
2505	2354+64.19	151.12'
2506	2350+36.45	185.29'
2507	2349+64.18	191.06'
2508	2347+68.35	191.04'
2509	2344+66.50	192.84'
2510	2342+05.08	168.99'
2511	2336+41.82	127.07'
2512	2335+42.73	120.86'
2513	2334+01.62	195.33'
2514	2336+41.82	198.91'
2515	2342+05.08	217.73'
2516	2342+59.74	218.89'
2517	2347+68.35	317.05'

R/W COURSE TABLE

2501-2502	N77°58'37"W	1288.73'
2502-2503	N67°30'50"W	15.45'
2504-2505	S67°30'50"E	933.23'
2505-2506	S72°05'16"E	429.10'
2506-2507	S72°05'16"E	72.50'
2507-2508	S67°30'50"E	195.83'
2508-2509	S67°30'50"E	304.17'
2509-2510	S61°21'11"E	264.39'
2510-2511	S61°21'11"E	568.14'
2511-2512	S61°21'11"E	99.28'
2513-2514	N65°47'39"W	240.23'
2514-2515	N67°30'50"W	558.88'
2515-2516	N67°30'50"W	54.19'
2516-2517	N77°58'37"W	512.63'
2517-2501	N77°58'37"W	70.87'

PI STA = 2342+05.18
Y = 458430.576
X = 865741.671
DELTA = 2°34'55" LT
D = 0°13'45"
T = 563.36'
L = 1126.53'
R = 25000.00'
PC STA = 2336+41.82
PT STA = 2347+68.35

1 1/4" REBAR FOUND
Y = 457835.540
X = 865017.396

CONCRETE MONUMENT FOUND
Y = 457894.173
X = 862458.111

1/2" IRON ROD FOUND
Y = 457903.027
X = 867754.740

S88°41'15"E, 2559.96' MON TO MON

S88°35'16"W, 2738.18' MON TO MON

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.25 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/10/2016 DATE
REGISTRATION NUMBER: S-2530

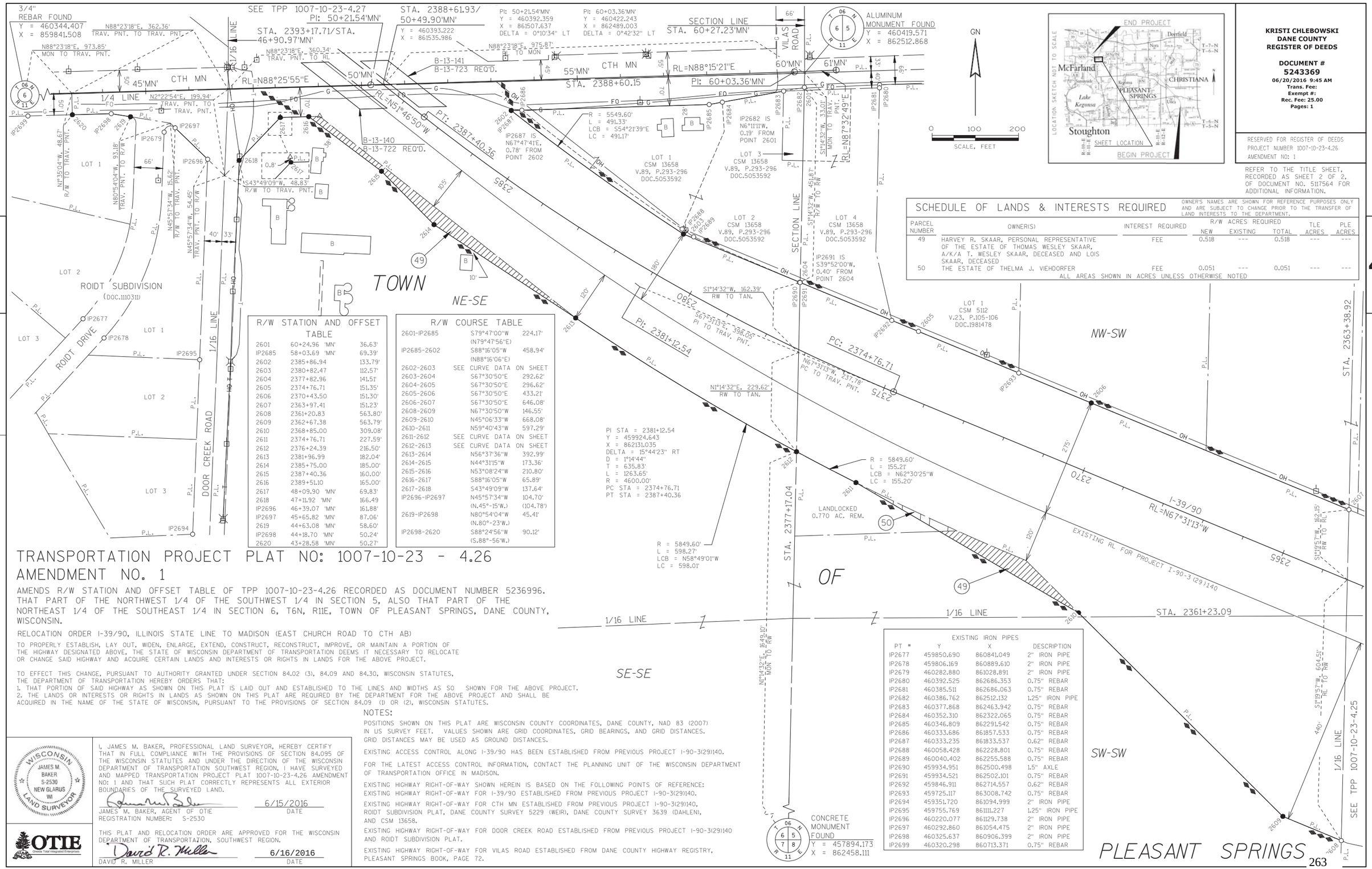
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/17/2016 DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040125_RP.DWG
APPRAISAL PLAT DATE : 5/10/2016
PLOT DATE : 5/10/2016 12:15 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : **********
1007-10-23-4.25

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE



KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5243369
06/20/2016 9:45 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.26
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
49	HARVEY R. SKAAR, PERSONAL REPRESENTATIVE OF THE ESTATE OF THOMAS WESLEY SKAAR, A/K/A T. WESLEY SKAAR, DECEASED AND LOIS SKAAR, DECEASED	FEE	0.518	---	0.518	---	---
50	THE ESTATE OF THELMA J. VIEHDORFER	FEE	0.051	---	0.051	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

R/W STATION AND OFFSET TABLE

2601	60+24.96 'MN'	36.63'
IP2685	58+03.69 'MN'	69.39'
2602	2385+86.94	133.79'
2603	2380+82.47	112.57'
2604	2377+82.96	141.51'
2605	2374+76.71	151.35'
2606	2370+43.50	151.30'
2607	2363+97.41	151.23'
2608	2361+20.83	563.80'
2609	2362+67.38	563.79'
2610	2368+85.00	309.08'
2611	2374+76.71	227.59'
2612	2376+24.39	216.50'
2613	2381+96.99	182.04'
2614	2385+75.00	185.00'
2615	2387+40.36	160.00'
2616	2389+51.10	165.00'
2617	48+09.90 'MN'	69.83'
2618	47+11.92 'MN'	166.49
IP2696	46+39.07 'MN'	161.88'
IP2697	45+65.82 'MN'	87.06'
2619	44+63.08 'MN'	58.60'
IP2698	44+18.70 'MN'	50.24'
2620	43+28.58 'MN'	50.27'

R/W COURSE TABLE

2601-IP2685	S79°47'00"W (N79°47'56"E)	224.17'
IP2685-2602	S88°16'05"W (N88°16'06"E)	458.94'
2602-2603	SEE CURVE DATA ON SHEET	
2603-2604	S67°30'50"E	292.62'
2604-2605	S67°30'50"E	296.62'
2605-2606	S67°30'50"E	433.21'
2606-2607	S67°30'50"E	646.08'
2608-2609	N67°30'50"W	146.55'
2609-2610	N45°06'33"W	668.08'
2610-2611	N59°40'43"W	597.29'
2611-2612	SEE CURVE DATA ON SHEET	
2612-2613	SEE CURVE DATA ON SHEET	
2613-2614	N56°37'36"W	392.99'
2614-2615	N44°31'15"W	173.36'
2615-2616	N53°08'24"W	210.80'
2616-2617	S88°16'05"W	65.89'
2617-2618	S43°49'09"W	137.64'
IP2696-IP2697	N45°57'34"W (N.45°-15'W.)	104.70' (104.78')
2619-IP2698	N80°54'04"W (N.80°-23'W.)	45.41'
IP2698-2620	S88°24'56"W (S.88°-56'W.)	90.12'

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP2677	459850.690	860841.049	2" IRON PIPE
IP2678	459806.169	860889.610	2" IRON PIPE
IP2679	460282.880	861028.891	2" IRON PIPE
IP2680	460392.525	862686.353	0.75" REBAR
IP2681	460385.511	862686.063	0.75" REBAR
IP2682	460386.762	862512.132	1.25" IRON PIPE
IP2683	460377.868	862463.942	0.75" REBAR
IP2684	460352.310	862322.065	0.75" REBAR
IP2685	460346.809	862291.542	0.75" REBAR
IP2686	460333.686	861857.533	0.75" REBAR
IP2687	460333.235	861833.537	0.62" REBAR
IP2688	460058.428	862228.801	0.75" REBAR
IP2689	460040.402	862255.588	0.75" REBAR
IP2690	459934.951	862500.498	1.5" AXLE
IP2691	459934.521	862502.101	0.75" REBAR
IP2692	459846.911	862714.557	0.62" REBAR
IP2693	459725.117	863008.742	0.75" REBAR
IP2694	459351.720	861094.999	2" IRON PIPE
IP2695	459755.769	861111.227	1.25" IRON PIPE
IP2696	460220.077	861129.738	2" IRON PIPE
IP2697	460292.860	861054.475	2" IRON PIPE
IP2698	460325.637	860906.399	2" IRON PIPE
IP2699	460320.298	860713.371	0.75" REBAR

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.26 AMENDMENT NO. 1

AMENDS R/W STATION AND OFFSET TABLE OF TPP 1007-10-23-4.26 RECORDED AS DOCUMENT NUMBER 5236996. THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 IN SECTION 5, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 IN SECTION 6, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH MN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, ROIDT SUBDIVISION PLAT, DANE COUNTY SURVEY 5229 (WEIR), DANE COUNTY SURVEY 3639 (DAHLEN), AND CSM 13658.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DOOR CREEK ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND ROIDT SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY FOR VILAS ROAD ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, PLEASANT SPRINGS BOOK, PAGE 72.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.26 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 6/15/2016 DATE
REGISTRATION NUMBER: S-2530

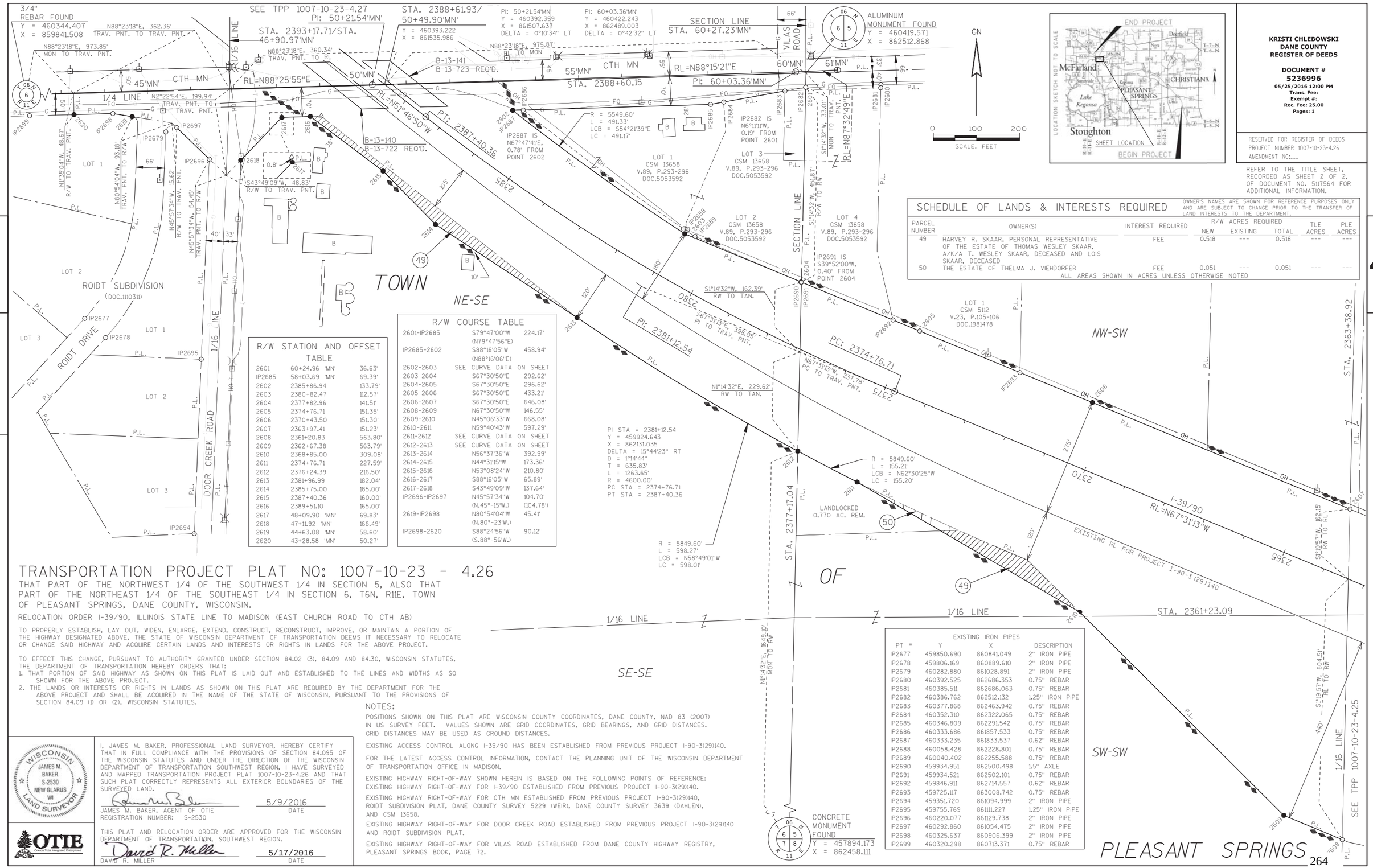
OTIE Onsite Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 6/16/2016 DATE

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040126_A1RP.DWG
PLOT DATE : 6/15/2016 4:22 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : **********
APPRAISAL PLAT DATE : 6/15/2016

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE



R/W STATION AND OFFSET TABLE		
2601	60+24.96 'MN'	36.63'
IP2685	58+03.69 'MN'	69.39'
2602	2385+86.94	133.79'
2603	2380+82.47	112.57'
2604	2377+82.96	141.51'
2605	2374+76.71	151.35'
2606	2370+43.50	151.30'
2607	2363+97.41	151.23'
2608	2361+20.83	563.80'
2609	2362+67.38	563.79'
2610	2368+85.00	309.08'
2611	2374+76.71	227.59'
2612	2376+24.39	216.50'
2613	2381+96.99	182.04'
2614	2385+75.00	185.00'
2615	2387+40.36	160.00'
2616	2389+51.10	165.00'
2617	48+09.90 'MN'	69.83'
2618	47+11.92 'MN'	166.49'
2619	44+63.08 'MN'	58.60'
2620	43+28.58 'MN'	50.27'

R/W COURSE TABLE		
2601-IP2685	S79°47'00"W (N79°47'56"E)	224.17'
IP2685-2602	S88°16'05"W (N88°16'06"E)	458.94'
2602-2603	SEE CURVE DATA ON SHEET	
2603-2604	S67°30'50"E	292.62'
2604-2605	S67°30'50"E	296.62'
2605-2606	S67°30'50"E	433.21'
2606-2607	S67°30'50"E	646.08'
2608-2609	N67°30'50"W	146.55'
2609-2610	N45°06'33"W	668.08'
2610-2611	N59°40'43"W	597.29'
2611-2612	SEE CURVE DATA ON SHEET	
2612-2613	SEE CURVE DATA ON SHEET	
2613-2614	N56°37'36"W	392.99'
2614-2615	N44°31'15"W	173.36'
2615-2616	N53°08'24"W	210.80'
2616-2617	S88°16'05"W	65.89'
2617-2618	S43°49'09"W	137.64'
IP2696-IP2697	N45°57'34"W (N.45°-15'W.)	104.70' (104.78')
2619-IP2698	N80°54'04"W (N.80°-23'W.)	45.41'
IP2698-2620	S88°24'56"W (S.88°-56'W.)	90.12'

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP2677	459850.690	860841.049	2" IRON PIPE
IP2678	459806.169	860889.610	2" IRON PIPE
IP2679	460282.880	861028.891	2" IRON PIPE
IP2680	460392.525	862686.353	0.75" REBAR
IP2681	460385.511	862686.063	0.75" REBAR
IP2682	460386.762	862512.132	1.25" IRON PIPE
IP2683	460377.868	862463.942	0.75" REBAR
IP2684	460352.310	862322.065	0.75" REBAR
IP2685	460346.809	862291.542	0.75" REBAR
IP2686	460333.686	861857.533	0.75" REBAR
IP2687	460333.235	861833.537	0.62" REBAR
IP2688	460058.428	862228.801	0.75" REBAR
IP2689	460040.402	862255.588	0.75" REBAR
IP2690	459934.951	862500.498	1.5" AXLE
IP2691	459934.521	862502.101	0.75" REBAR
IP2692	459846.911	862714.557	0.62" REBAR
IP2693	459725.117	863008.742	0.75" REBAR
IP2694	459351.720	861094.999	2" IRON PIPE
IP2695	459755.769	861111.227	1.25" IRON PIPE
IP2696	460220.077	861129.738	2" IRON PIPE
IP2697	460292.860	861054.475	2" IRON PIPE
IP2698	460325.637	860906.399	2" IRON PIPE
IP2699	460320.298	860713.371	0.75" REBAR

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5236996
05/25/2016 12:00 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.26
AMENDMENT NO:__

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
49	HARVEY R. SKAAR, PERSONAL REPRESENTATIVE OF THE ESTATE OF THOMAS WESLEY SKAAR, A/K/A T. WESLEY SKAAR, DECEASED AND LOIS SKAAR, DECEASED	FEE	0.518	---	0.518	---	---
50	THE ESTATE OF THELMA J. VIEHDORFER	FEE	0.051	---	0.051	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.26

THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 IN SECTION 5, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 IN SECTION 6, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.26 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/9/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE Create Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/17/2016 DATE

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH MN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, ROIDT SUBDIVISION PLAT, DANE COUNTY SURVEY 5229 (WEIR), DANE COUNTY SURVEY 3639 (DAHLEN), AND CSM 13658.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DOOR CREEK ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND ROIDT SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY FOR VILAS ROAD ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, PLEASANT SPRINGS BOOK, PAGE 72.

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040126_RP.DWG
APPRAISAL PLAT DATE : 5/9/2016
PLOT DATE : 5/9/2016 2:10 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : **********

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.27 AMENDMENT NO.1

AMENDMENT REMOVES UTILITY NUMBER 205 AND ADDS UTILITY NUMBER 221 OF TPP 1007-10-23-4.27 RECORDED AS DOCUMENT NUMBER 5236998.

THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 6, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM ACCESS CONTROL PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH MN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, ROIDT SUBDIVISION PLAT, DANE COUNTY SURVEY 5229 (WEIR), DANE COUNTY SURVEY 3639 (DAHLEN), AND CSM 13658.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DOOR CREEK ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND ROIDT SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY FOR ROIDT DRIVE ESTABLISHED FROM ROIDT SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY FOR VILAS ROAD ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, PLEASANT SPRINGS BOOK, PAGE 72.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5262364
08/26/2016 8:38 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1001-10-23-4.27
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
51	GARY C BLANKENHEIM	FEE, TLE	0.147	---	0.147	0.059	---
52	DOWNING 3094 CR MN LLC	FEE	0.141	---	0.141	---	---
53	BRYAN R. SPANGLER & JILL M. SPANGLER OUTFRONT MEDIA LLC	FEE	0.047	---	0.047	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
221	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY, LLC
DOC.4749782 - PARCEL 51
DOC.4760849 - PARCEL 53

(202) WISCONSIN POWER AND LIGHT COMPANY
V.449, P.372, DOC.1167956 - PARCEL 53

(221) FRONTIER COMMUNICATIONS OF WI LLC
DOC.1280008 - PARCEL 51

TLE STATION AND OFFSET TABLE

T2750	2391+90.00	162.99'

R/W STATION AND OFFSET TABLE

2701	41+44.52 'MN'	51.90'
2702	42+29.04 'MN'	49.70'
2703	2391+68.43	190.52'
2704	2395+00.00	165.00'
2705	2401+50.00	165.00'
2706	2403+90.00	153.79'
2707	2408+83.32	153.81'
2708	2410+99.53	126.18'
2709	2397+00.00	126.23'
2710	2395+00.00	145.00'
2711	2392+13.42	145.00'
IP2781	2387+02.70	191.85'
IP2782	54+34.78 'MN'	45.69'
IP2783	54+35.18 'MN'	55.69'
2712	59+62.64 'MN'	55.58'
2713	2391+97.24	153.75'
2714	2393+95.00	153.76'

R/W COURSE TABLE

2701-2702	SEE CURVE DATA ON SHEET	
2702-2703	N88°24'56"E	463.41'
2703-2713	N0°08'19"E	46.71'
2713-2714	N51°46'59"W	197.76'
2714-2704	N57°53'34"W	105.60'
2704-2705	N51°46'51"W	650.00'
2705-2706	N49°06'27"W	240.26'
2706-2707	N51°46'59"W	493.32'
2708-2709	S51°46'59"E	1399.53'
2709-2710	S57°08'30"E	200.88'
2710-2711	S51°46'51"E	286.58'
2711-IP2781	S57°03'16"E	511.31'
IP2781-IP2782	N88°20'24"E	140.73'
IP2782-IP2783	N0°32'58"E	10.01'
IP2783-2712	N88°16'05"E	527.45'

SIGN NUMBER	SIGN OWNER	OASIS NO.
53-1	OUTFRONT MEDIA LLC BRYAN R. SPANGLER & JILL M. SPANGLER	14441

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
2780	460570.495	861587.234	1.25" IRON PIPE
2781	460446.529	861778.628	1.25" IRON PIPE
2782	460450.606	861919.299	1" REBAR
2783	460460.614	861919.395	0.75" REBAR
2784	460585.980	862155.133	1" IRON PIPE

PI STA = 40+79.71'MN'
Y = 460366.448
X = 860561.095
DELTA = 27°42'54"
D = 10°54'49"
T = 129.51'
L = 253.95'
R = 525.00'
PC STA = 39+50.20'MN'
PT STA = 42+04.15'MN'

SEE TPP 1007-10-23-4.26

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.27 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 8/23/2016
REGISTRATION NUMBER: S-2530 — DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — D. 8/24/2016

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040127_A1_RP.DWG
APPRAISAL PLAT DATE : 8/23/2016
PLOT DATE : 8/23/2016 10:00 AM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : **********

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.27

THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 6, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

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1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM ACCESS CONTROL PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH MN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, ROIDT SUBDIVISION PLAT, DANE COUNTY SURVEY 5229 (WEIR), DANE COUNTY SURVEY 3639 (DAHLEN), AND CSM 13658.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DOOR CREEK ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND ROIDT SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY FOR ROIDT DRIVE ESTABLISHED FROM ROIDT SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY FOR VILAS ROAD ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, PLEASANT SPRINGS BOOK, PAGE 72.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
51	GARY C BLANKENHEIM	FEE, TLE	0.147	---	0.147	0.059	---
52	DOWNING 3094 CR MN LLC	FEE	0.141	---	0.141	---	---
53	BRYAN R. SPANGLER & JILL M. SPANGLER OUTFRONT MEDIA LLC	FEE	0.047	---	0.047	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

200 AMERICAN TRANSMISSION COMPANY, LLC
DOC.4749782 - PARCEL 51
DOC.4760849 - PARCEL 53

202 WISCONSIN POWER AND LIGHT COMPANY
V.449, P.372, DOC.1167956 - PARCEL 53

205 AT&T WISCONSIN (WISCONSIN BELL, INC)
DOC.1280008 - PARCEL 51

TLE STATION AND OFFSET TABLE

T2750	2391+90.00	162.99'

R/W STATION AND OFFSET TABLE

2701	41+44.52 'MN'	51.90'
2702	42+29.04 'MN'	49.70'
2703	2391+68.43	190.52'
2704	2395+00.00	165.00'
2705	2401+50.00	165.00'
2706	2403+90.00	153.79'
2707	2408+83.32	153.81'
2708	2410+99.53	126.18'
2709	2397+00.00	126.23'
2710	2395+00.00	145.00'
2711	2392+13.42	145.00'
IP2781	2387+02.70	191.85'
IP2782	54+34.78 'MN'	45.69'
IP2783	54+35.18 'MN'	55.69'
2712	59+62.64 'MN'	55.58'
2713	2391+97.24	153.75'
2714	2393+95.00	153.76'

R/W COURSE TABLE

2701-2702	SEE CURVE DATA ON SHEET	
2702-2703	N88°24'56"E	463.41'
2703-2713	N0°08'19"E	46.71'
2713-2714	N51°46'59"W	197.76'
2714-2704	N57°53'34"W	105.60'
2704-2705	N51°46'51"W	650.00'
2705-2706	N49°06'27"W	240.26'
2706-2707	N51°46'59"W	493.32'
2708-2709	S51°46'59"E	1399.53'
2709-2710	S57°08'30"E	200.88'
2710-2711	S51°46'51"E	286.58'
2711-IP2781	S57°03'16"E	511.31'
IP2781-IP2782	N88°20'24"E	140.73'
IP2782-IP2783	N0°32'58"E	10.01'
IP2783-2712	N88°16'05"E	527.45'

SIGN SCHEDULE

SIGN NUMBER	SIGN OWNER	OASIS NO.
53-1	OUTFRONT MEDIA LLC BRYAN R. SPANGLER & JILL M. SPANGLER	14441

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
2780	460570.495	861587.234	1.25" IRON PIPE
2781	460446.529	861778.628	1.25" IRON PIPE
2782	460450.606	861919.299	1" REBAR
2783	460460.614	861919.395	0.75" REBAR
2784	460585.980	862155.133	1" IRON PIPE

PI STA = 40+79.71'MN'
Y = 460366.448
X = 860561.095
DELTA = 27°42'54"
D = 10°54'49"
T = 129.51'
L = 253.95'
R = 525.00'
PC STA = 39+50.20'MN'
PT STA = 42+04.15'MN'

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5236998
05/25/2016 12:00 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1001-10-23-4.27
AMENDMENT NO:__

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.27 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE
REGISTRATION NUMBER: S-2530

5/9/2016
DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER

5/17/2016
D

BENCH MARKS				
NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
CP604C	1960+88.23	90.11', RT	SET REBAR	985.06

C1
PI STA = 1965+27.98
Y = 441,837.1950
X = 897,555.1816
Δ = 37°12'12"
D = 1°58'33"
T = 976.05'
L = 1,883.02'
R = 2,900.00'
PC STA = 1955+51.93
PT STA = 1974+34.96
SE = 5.5%

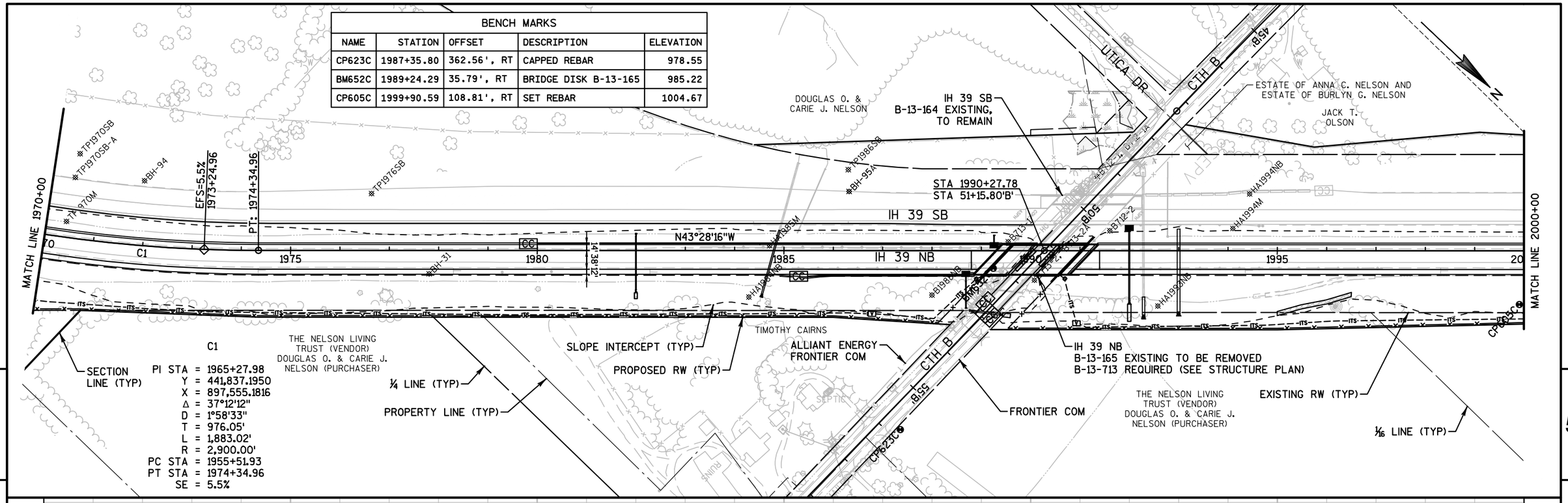
ALLIANT ENERGY
MYRON C. FOSDAHL
PROPERTY LINE (TYP)
EXISTING RW (TYP)
DOUGLAS O. & CARIE J. NELSON
PROPOSED RW (TYP)
BH-32
PT: 1947+80.35
MP1946NB
MP1949NB
BH-31
B1947NB
TP1950M
PC: 1955+51.93
TP1956SB
BH-5.5%
BFS=5.5%
1956+61.93
TP1957SB
TP1960M
IH 39 SB
IH 39 NB
N06°16'04"W
1940
1945
1950
1955
1960
1965
14°38'12"
C1
BH-30
TP1965SB
TP1965SB-A
B1956NB
MATCH LINE 1970+00
END PROJECT 1007-11-75
(CONSTRUCTED BY OTHERS)
1/16 LINE (TYP)
1/4 LINE (TYP)
MYRON C. FOSDAHL
BEGIN PROJECT 1007-11-71
STA 1948+00.00
MATCH EXISTING PAVEMENT
Y=440,119.542
X=897,743.839
STA 1954+00, RT
EXISTING DRIVEWAY
TO BE REMOVED
TP1958NB
SLOPE INTERCEPT (TYP)
CP604C
MYRON C. FOSDAHL
SECTION LINE (TYP)
5
5

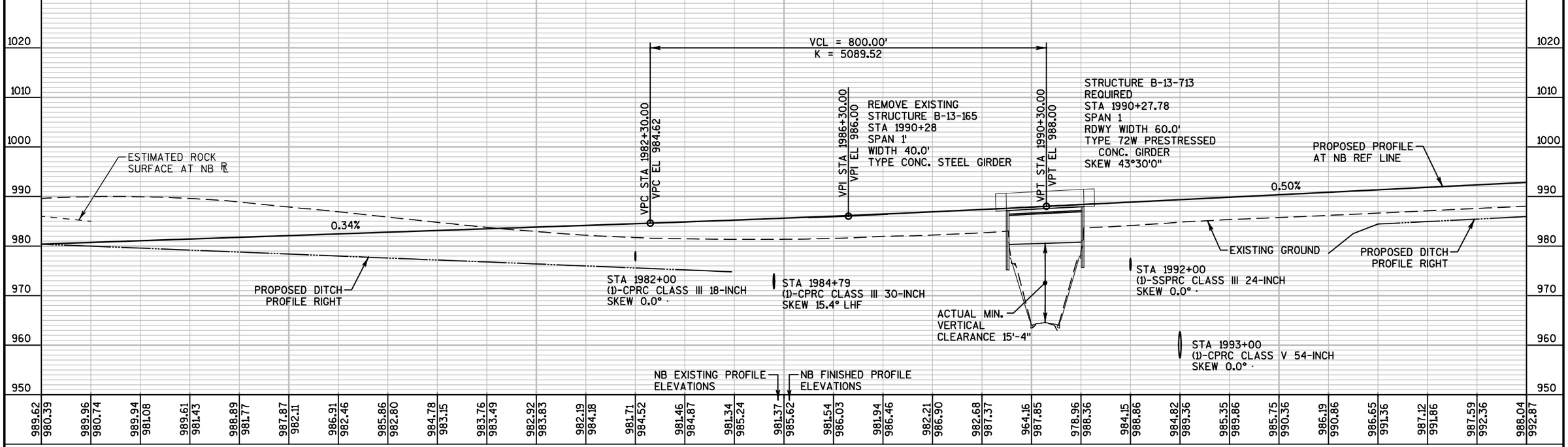
1000
990
980
970
960
950
940
930

VCL = 1000.00'
K = 514.52
VPC STA 1958+30.00
VPC EL 966.65
VPI STA 1963+30.00
VPI EL 978.09
VPT STA 1968+30.00
VPT EL 979.81
0.34%
PROPOSED DITCH PROFILE RIGHT
EXISTING GROUND
2.29%
PROPOSED PROFILE AT NB REF LINE
ESTIMATED ROCK SURFACE AT NB
STA 1950+00
(1)-SSPRC CLASS IV 18-INCH
SKEW 0.0°
NB EXISTING PROFILE ELEVATIONS
NB FINISHED PROFILE ELEVATIONS

| | | | |

BENCH MARKS				
NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
CP623C	1987+35.80	362.56', RT	CAPPED REBAR	978.55
BM652C	1989+24.29	35.79', RT	BRIDGE DISK B-13-165	985.22
CP605C	1999+90.59	108.81', RT	SET REBAR	1004.67

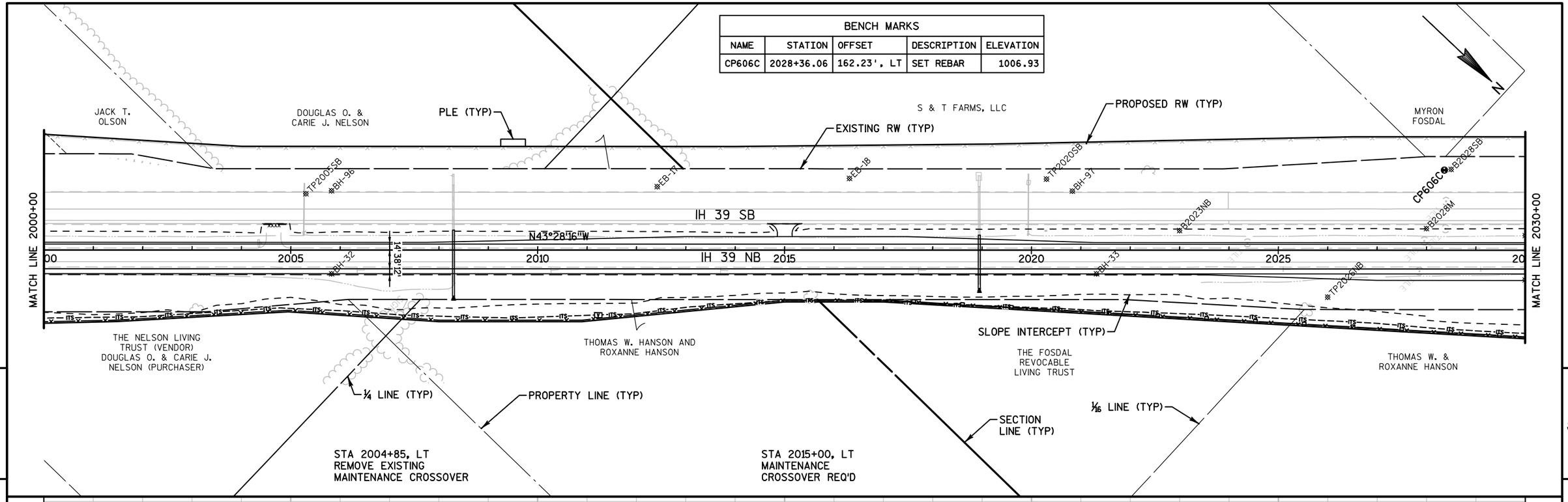


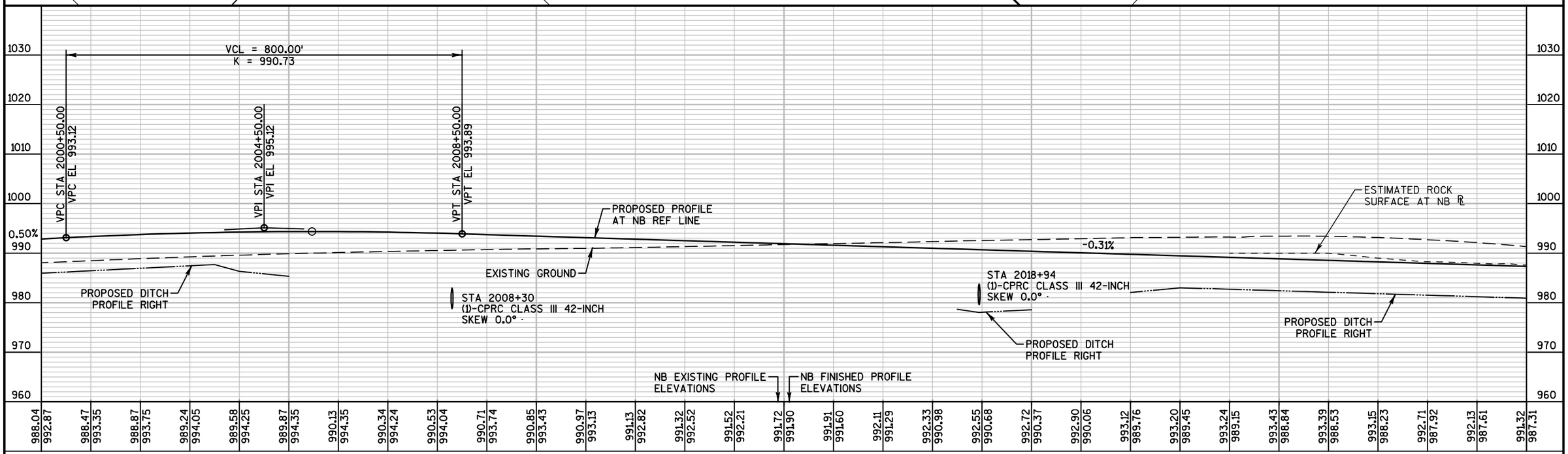


PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 NB	PAGE 02 OF 09	SHEET	E

FILE SAVE PATH: \\SEHMADISON\Projects\AE\D\DANEL\119189\Civil 3D\1007101\Sheets\Plan\1007171\SEC 05 PLAN & PROFILE
FILE NAME : 050100_PP (PLAN & PROFILE - IH 39 NB).DWG
PLOT DATE : 10/9/2017 6:20 PM
PLOT BY : SEH
LAYOUT NAME : 050102_PP
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 44

BENCH MARKS				
NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
CP606C	2028+36.06	162.23', LT	SET REBAR	1006.93





PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 NB	PAGE 03 OF 09	SHEET	E

FILE SAVE PATH: \\SEHMADISON\Projects\AE\D\DANEL\119189\Civil 3D\1007100I\Sheets\Plan\1007171\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (PLAN & PROFILE - IH 39 NB).DWG | PLOT DATE : 10/9/2017 6:20 PM | PLOT BY : SEH | LAYOUT NAME : 050103_PP | PLOT SCALE : 1.0 IN = 200.0 FT

BENCH MARKS				
NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
CP624C	2049+25.91	210.75', LT	CAPPED REBAR	947.75
BM653C	2052+51.66	94.89', LT	BRIDGE DISK B-13-148	959.34

MYRON FOSDAL
JOAN L. VOLENBERG
PROPOSED RW (TYP)
EXISTING RW (TYP)
IH 39 SB GATED EMERGENCY ACCESS
45°W
SECTION LINE (TYP)
ALLIANT ENERGY
LUCILLE NOTTESTAD A/K/A LUCILLE E. SASS
IH 39 SB B-13-148 EXISTING TO REMAIN
FRONTIER COM
CP624C
CTH W
N
STA 2052+80.40
STA 51+20.38'W'
50°W
BM653C
MATCH LINE 2030+00
IH 39 SB
N43°28'46"W
14'38"12'
IH 39 NB
2030
2035
2040
2045
2050
2055
MATCH LINE 2060+00
SLOPE INTERCEPT (TYP)
THOMAS W. & ROXANNE HANSON
MYRON FOSDAL
JOAN L. VOLENBERG
1/16 LINE (TYP)
PROPERTY LINE (TYP)
IH 39 NB B-13-149 EXISTING TO BE REMOVED B-13-715 REQUIRED (SEE STRUCTURE PLAN)
LUCILLE NOTTESTAD
ALLIANT ENERGY
IH 39 NB GATED EMERGENCY ACCESS
KOSHKONONG RD
55'W
CTH W
1/4 LINE (TYP)
LUCILLE NOTTESTAD A/K/A LUCILLE E. SASS
FRONTIER COM
STA 2043+65, RT
RECONSTRUCT ASPH PE
1 - 18"x48' CPCS REQ'D
2 - 18" AECPS REQ'D

VCL = 1000.00'
K = 900.41
ESTIMATED ROCK SURFACE AT NB ℄
-0.31%
STA 2031+00
(1)-SSPRC CLASS IV 18-INCH
SKEW 0.0°
VPC STA 2030+05.00
VPC EL 987.29
VPI STA 2035+05.00
VPI EL 985.76
PROPOSED DITCH PROFILE RIGHT
VPT STA 2040+05.00
VPT EL 978.68
STA 2041+00
(1)-CPRC CLASS IV 18-INCH
SKEW 0.0°
PROPOSED PROFILE AT NB REF LINE
-1.42%
EXISTING GROUND
PROPOSED DITCH PROFILE RIGHT
STA 2051+00
(1)-SSPRC CLASS III 24-INCH
SKEW 0.0°
VCL = 800.00'
K = 1787.27
VPC STA 2049+30.00
VPC EL 965.57
REMOVE EXISTING STRUCTURE B-13-149
STA 2052+80
SPAN 3
WIDTH 40.0'
TYPE CONC. STEEL GIRDER
VPI STA 2053+30.00
VPI EL 959.90
STRUCTURE B-13-715 REQUIRED
STA 2052+80.40
SPAN 1
RDWY WIDTH 60.0'
TYPE 72W PRESTRESSED CONC. GIRDER
SKEW 45°45'0"
VPT STA 2057+30.00
VPT EL 952.44
-1.86%
ACTUAL MIN. VERTICAL CLEARANCE 15'-5"
NB EXISTING PROFILE ELEVATIONS
NB FINISHED PROFILE ELEVATIONS

2030	2035	2040	2045	2050	2055	2060
991.32 / 987.31	984.74 / 984.41	976.92 / 978.75	969.04 / 971.66	961.11 / 964.56	936.74 / 959.94	945.12 / 947.41
990.35 / 986.95	983.19 / 983.50	975.37 / 977.33	967.45 / 970.24	959.52 / 963.08	954.71 / 958.29	
989.15 / 986.48	981.66 / 982.48	973.77 / 975.91	965.87 / 968.83	957.94 / 961.54	953.08 / 956.58	
987.80 / 985.90	980.07 / 981.35	972.19 / 974.49	964.28 / 967.41		951.48 / 954.82	
986.28 / 985.22	978.48 / 980.10	970.62 / 973.08	962.69 / 965.99		949.88 / 953.00	
					948.29 / 951.14	
					946.71 / 949.27	

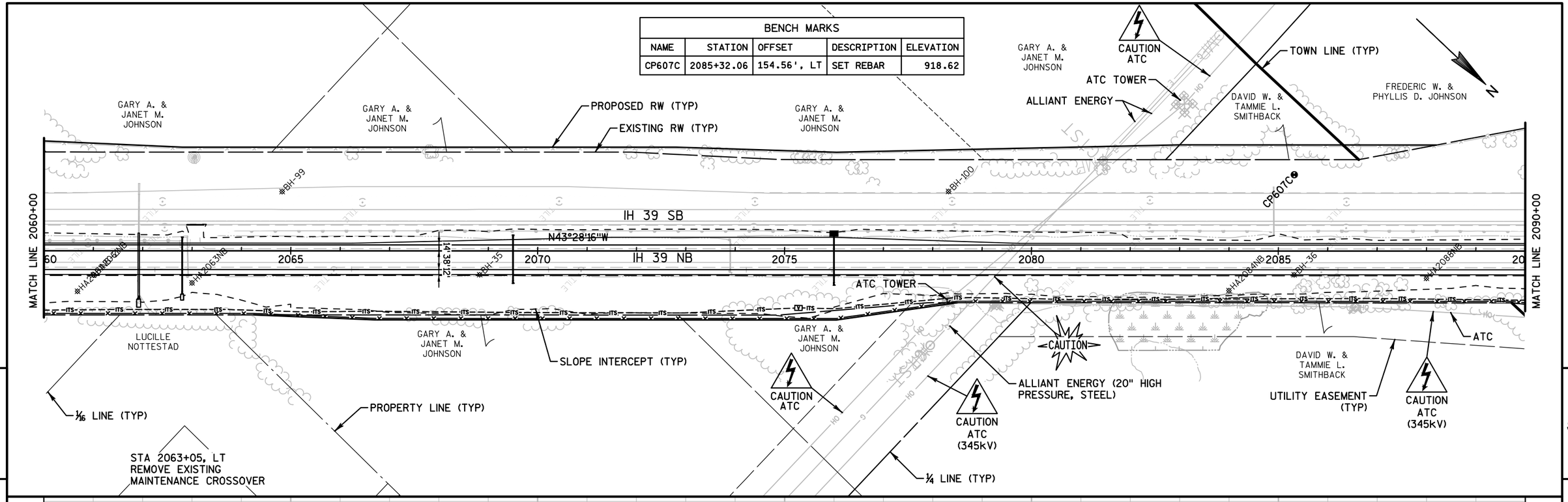
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 NB	PAGE 04 OF 09	SHEET 270	E

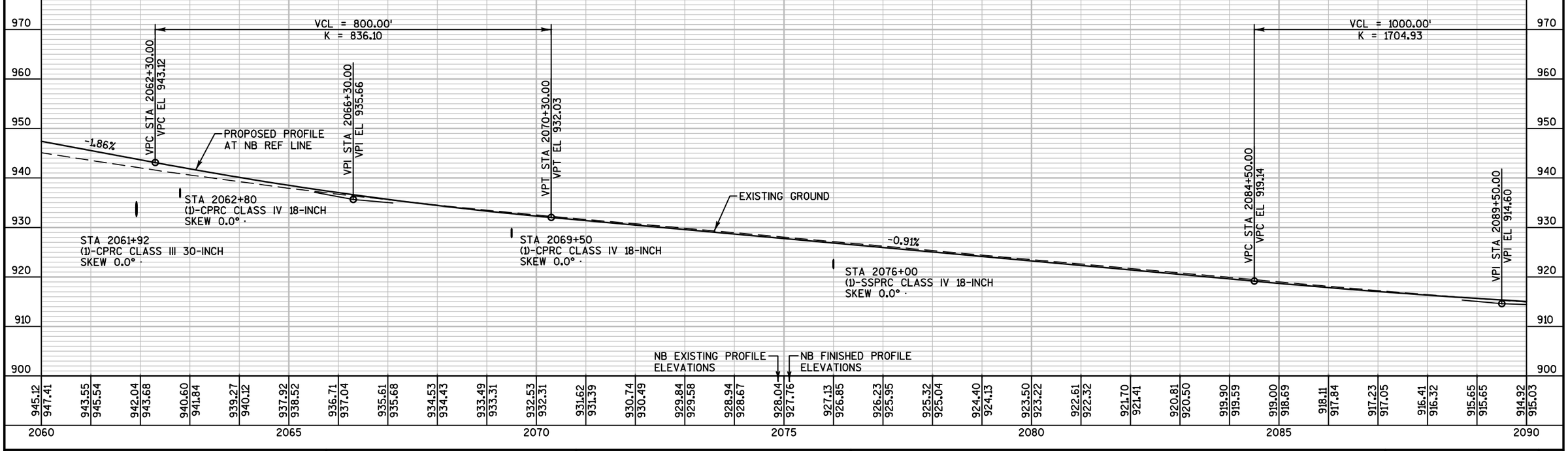
FILE SAVE PATH: \\SEHMADISON\Projects\AE\D\DANIEL\119189\Civil 3D\1007100\Sheets\Plan\10071171\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (PLAN & PROFILE - IH 39 NB).DWG | PLOT DATE : 10/9/2017 6:21 PM | PLOT BY : SEH | LAYOUT NAME : 050104_PP | PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44

BENCH MARKS				
NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
CP607C	2085+32.06	154.56', LT	SET REBAR	918.62



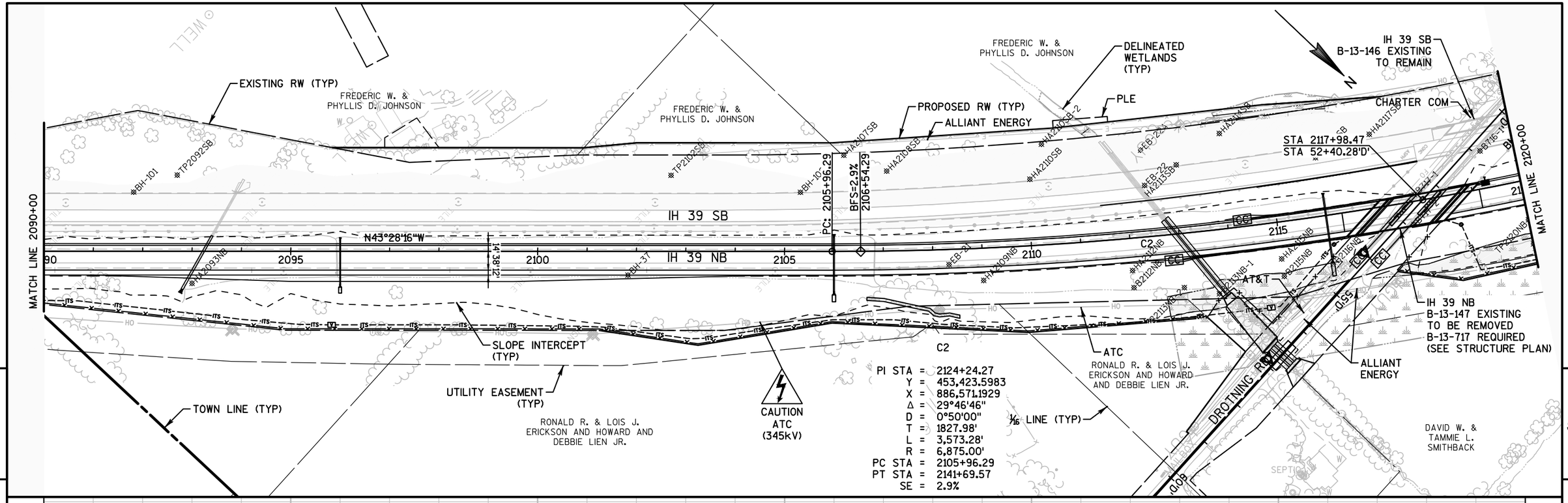


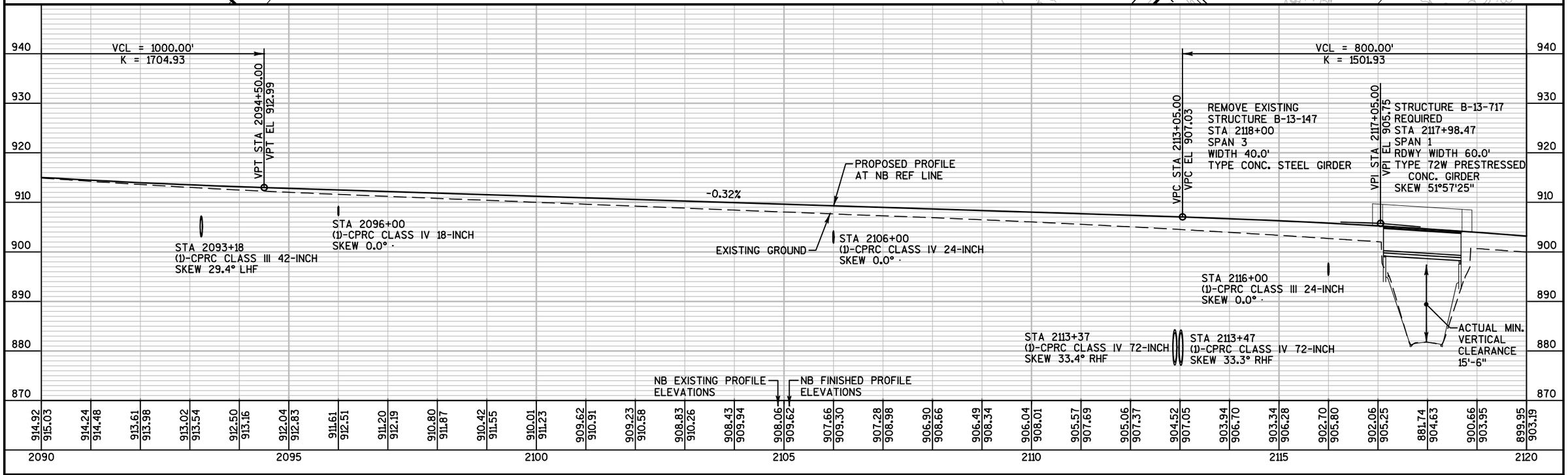
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 NB	PAGE 05 OF 09	SHEET 271	E

FILE SAVE PATH: \\SEHMADISON\Projects\AE\D\DANEL\119189\Civil 3D\1007101\Sheets\Plan\1007171\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (PLAN & PROFILE - IH 39 NB).DWG | PLOT DATE : 10/9/2017 6:21 PM | PLOT BY : SEH | LAYOUT NAME : 050105_PP | PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44



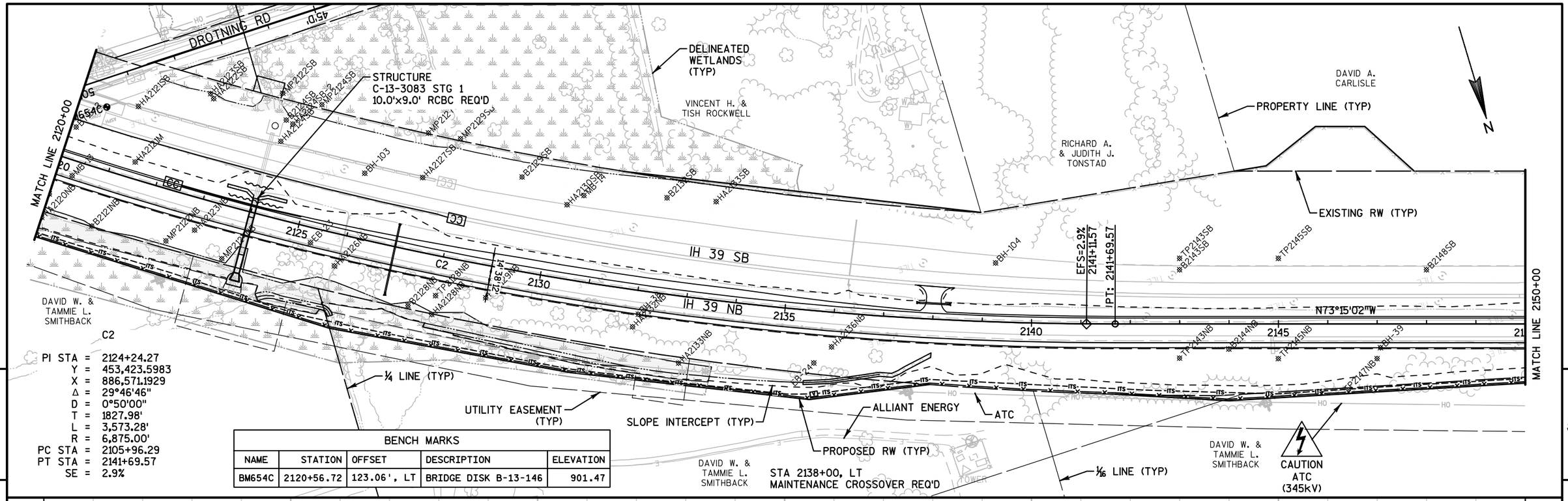


PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 NB	PAGE 06 OF 09	SHEET 272	E

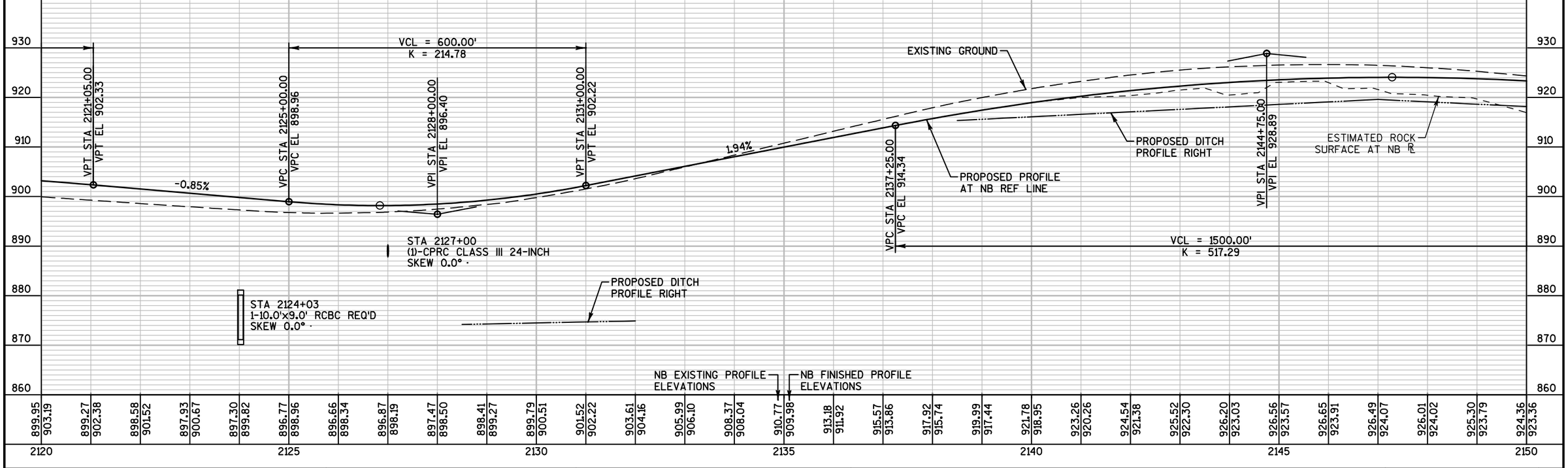
FILE SAVE PATH: P:\AE\D\DANEL\119189\Civil 3D\10071001\Sheets\Plan\1007171\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (PLAN & PROFILE - IH 39 NB).DWG | PLOT DATE : 11/8/2017 7:15 AM | PLOT BY : SEH | LAYOUT NAME : 050106_PP | PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44



BENCH MARKS				
NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
BM654C	2120+56.72	123.06', LT	BRIDGE DISK B-13-146	901.47



899.95	899.27	898.58	897.93	897.30	896.77	896.66	896.87	897.47	898.41	899.79	901.52	903.61	905.99	908.37	910.77	913.18	915.57	917.92	919.99	921.78	923.26	924.54	925.52	926.20	926.56	926.65	926.49	926.01	925.30	924.36
903.19	902.38	901.52	900.67	899.82	898.96	898.34	898.19	898.50	899.27	900.51	902.22	904.16	906.10	908.04	909.98	911.92	913.86	915.74	917.44	918.95	920.26	921.38	922.30	923.03	923.57	923.91	924.07	924.02	923.79	923.36

FILE SAVE PATH: \\SEHMADISON\Projects\AE\D\DANEL\119189\Civil 3D\1007100\Sheet+Plan\1007171\SEC 05 PLAN & PROFILE
FILE NAME : 050100_PP (PLAN & PROFILE - IH 39 NB).DWG
PLOT DATE : 10/9/2017 6:22 PM
PLOT BY : SEH
LAYOUT NAME : 050107_PP
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 44

BENCH MARKS				
NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
CP625P	2153+09.52	439.50', LT	CAPPED REBAR	940.69
CP608P	2174+59.25	161.18', LT	SET CAPPED REBAR	923.72

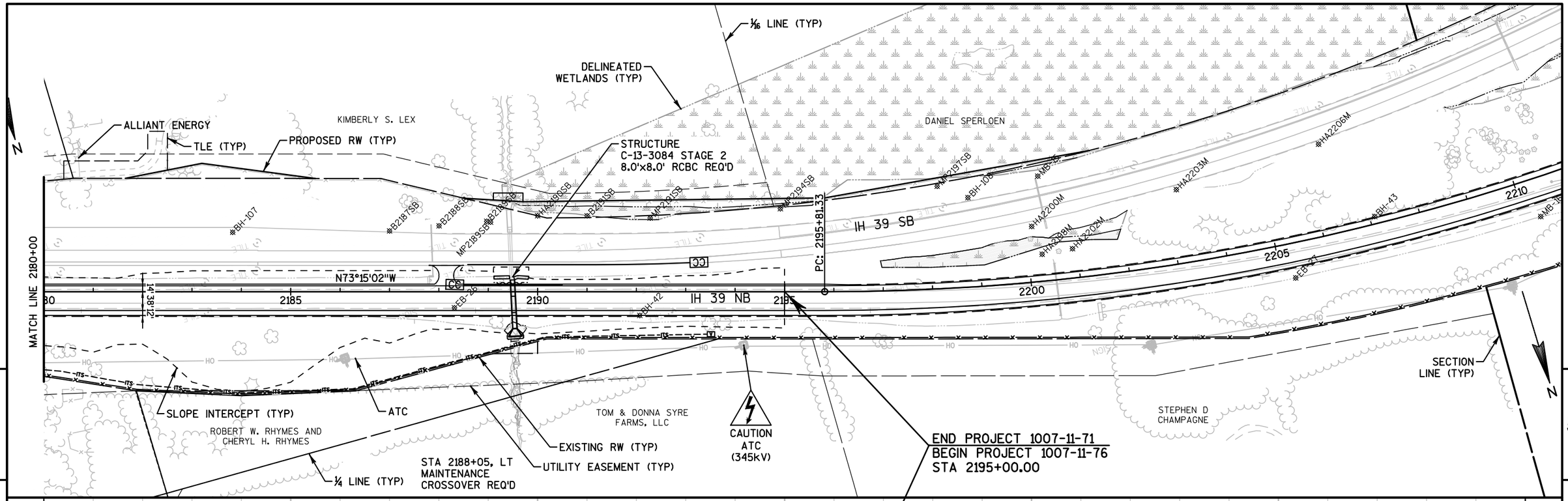
DAVID A. CARLISLE
ROBERT R. COHEN-WICHNER AND ANNIQUE R. COHEN-WICHNER
ROBERT R. COHEN-WICHNER AND ANNIQUE R. COHEN-WICHNER
ANDREW C WOODMAN AND KELLY M. SCHMELZER
THOMAS W. & PATRICIA J. GORST
DAVID W. & TAMMIE L. SMITHBACK
DAVID M. OLSON, MARLENE B. OLSON, DALE W. OLSON AND WENDY L. OLSON
JOHN R. DRAUS AND SANDRA M. DRAUS

CP625P
CP608P
TLE (TYP)
PROPERTY LINE (TYP)
ALLIANT ENERGY
EXISTING RW (TYP)
PROPOSED RW (TYP)
AT&T
CHURCH ST
IH 39 B-13-719 EXISTNG TO REMAIN
CTH BN
STA 2153+58.53
STA 50+87.44'BN'
STA 2175+54.26
STA 51+03.48'CS'
IH 39 SB
IH 39 NB
N73°15'02"W
MATCH LINE 2150+00
MATCH LINE 2180+00
IH 39 B-13-718 EXISTING TO REMAIN
ATC
CAUTION ATC (345kV)
SLOPE INTERCEPT (TYP)
1/16 LINE (TYP)
DELINEATED WETLANDS (TYP)
S-13-471 REQ'D
STA 2151+80, LT
REMOVE EXISTING
MAINTENANCE CROSSOVER

VCL = 1500.00'
K = 517.29
PROPOSED DITCH PROFILE RIGHT
PROPOSED PROFILE AT NB REF LINE
-0.96%
-0.97%
STA 2157+00.00
EL 917.13
EXISTING GROUND
ESTIMATED ROCK SURFACE AT NB ℄
VPT STA 2152+25.00
VPT EL 921.69
STA 2152+61
(1)-SSPRC CLASS IV 30-INCH
SKEW 17.9° RHF
STA 2151+40
(1)-SSPRC CLASS IV 18-INCH
SKEW 0.0°
STA 2161+40
(1)-SSPRC CLASS IV 18-INCH
SKEW 0.0°
STA 2167+26
(1)-CPRC CLASS III 42-INCH
SKEW 0.0°
STA 2169+40
(1)-SSPRC CLASS IV 18-INCH
SKEW 0.0°
STA 2173+50
(1)-SSPRC CLASS IV 18-INCH
SKEW 0.0°
STA 2173+92
(1)-SSPRC CLASS IV 24-INCH
SKEW 22.2° RHF
STA 2178+00
(1)-SSPRC CLASS IV 18-INCH
SKEW 0.0°
NB EXISTING PROFILE ELEVATIONS
NB FINISHED PROFILE ELEVATIONS

2150	2155	2160	2165	2170	2175	2180
924.36 / 923.36	923.41 / 922.74	922.41 / 921.92	921.43 / 920.97	920.45 / 920.01	919.46 / 919.05	918.48 / 918.09
917.44 / 917.13	916.45 / 916.16	915.45 / 915.18	914.46 / 914.21	913.47 / 913.23	912.47 / 912.26	911.48 / 911.29
910.48 / 910.31	909.49 / 909.34	908.49 / 908.37	907.50 / 907.39	906.50 / 906.42	905.52 / 905.44	904.57 / 904.47
903.58 / 903.50	902.60 / 902.52	901.62 / 901.55	900.66 / 900.57	899.71 / 899.60	898.83 / 898.63	897.87 / 897.65
896.92 / 896.68	895.96 / 895.70	894.98 / 894.73				

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 NB	PAGE 08 OF 09	SHEET 274	E



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 NB	PAGE 09 OF 09	SHEET 275	E

FILE SAVE PATH: \\SEHMADISON\Projects\AE\D\DANEL\119189\Civil 3D\1007100\Sheets\Plan\1007117\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (PLAN & PROFILE - IH 39 NB).DWG | PLOT DATE : 10/9/2017 6:22 PM | PLOT BY : SEH | LAYOUT NAME : 050109_PP | PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44

ALLIANT ENERGY

PROPERTY LINE (TYP)

2 LANE TO 3 LANE TRANSITION WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-79

SB LANES WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-79

IH 39 SB

IH 39 NB

18"CPCS

SLOPE INTERCEPT (TYP)

BEGIN PROJECT 1007-11-71
STA 1948+00.00
Y=440,119.542
X=897,743.839

NB LANES WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-11-75

¼ LINE (TYP)

PROPOSED RW (TYP)

EXISTING RW (TYP)

VCL = 120.00'
K = 191.38

VCL = 174.00'
K = 115.94

VCL = 180.00'
K = 119.36

VCL = 165.00'
K = 115.04

STA 1943+28.31'X279'
EL 931.37

VPC STA 1943+63.35'X279'
VPC EL 931.48

VPI STA 1944+23.35'X279'
VPI EL 931.67

VPT STA 1944+83.35'X279'
VPT EL 932.24

VPC STA 1945+08.46'X279'
VPC EL 932.48

VPI STA 1945+95.46'X279'
VPI EL 933.30

VPT STA 1946+82.46'X279'
VPT EL 935.43

VPC STA 1946+93.82'X279'
VPC EL 935.71

VPI STA 1947+83.82'X279'
VPI EL 937.91

VPT STA 1948+73.82'X279'
VPT EL 941.47

VPC STA 1948+82.59'X279'
VPC EL 941.82

VPI STA 1949+65.09'X279'
VPI EL 945.08

VPT STA 1950+47.59'X279'
VPT EL 947.16

STA 1952+55.06'X279'
EL 952.39

PROPOSED PROFILE AT REF LINE

EXISTING GROUND

0.32%

0.95%

2.45%

3.96%

2.52%

STA 1947+23'X279'
(1)-CPRC CLASS III 18-INCH
SKEW 72.5° LHF

STA 1950+27'X279'
(1)-CPRC CLASS III 18-INCH
SKEW 3.7° RHF

EXISTING PROFILE ELEV AT REF LINE

FINISHED PROFILE ELEV AT REF LINE

960 955 950 945 940 935 930 925

932.66 932.33 931.99 931.66 931.44 931.32 931.31 931.42 931.44 931.49 931.63 931.97 931.95 932.54 932.40 932.91 932.94 933.41 933.70 934.83 934.68 938.16 935.86 939.46 937.21 940.53 938.78 941.47 940.55 942.35 942.49 943.23 944.29 944.22 945.86 945.04 947.22 947.09 948.48 949.15 949.74 951.34 951.00 952.31 952.26 954.27 955.75 956.93 958.13 959.34

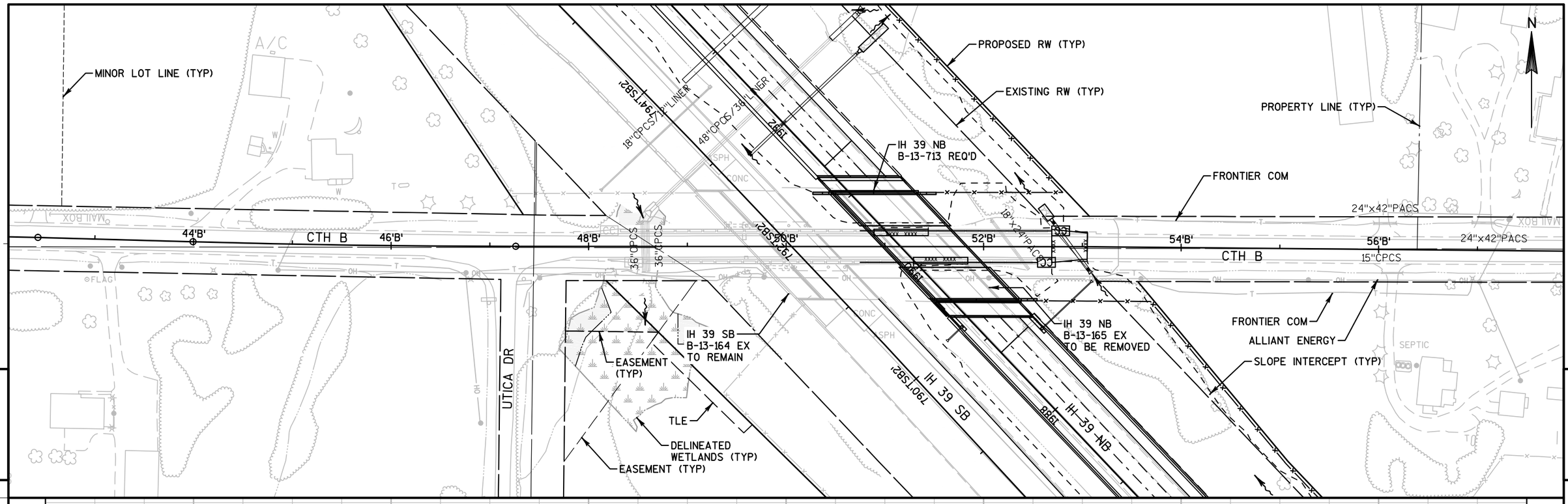
1940 'X279' 1942 'X279' 1944 'X279' 1946 'X279' 1948 'X279' 1950 'X279' 1952 'X279' 1954 'X279' 1955 'X27

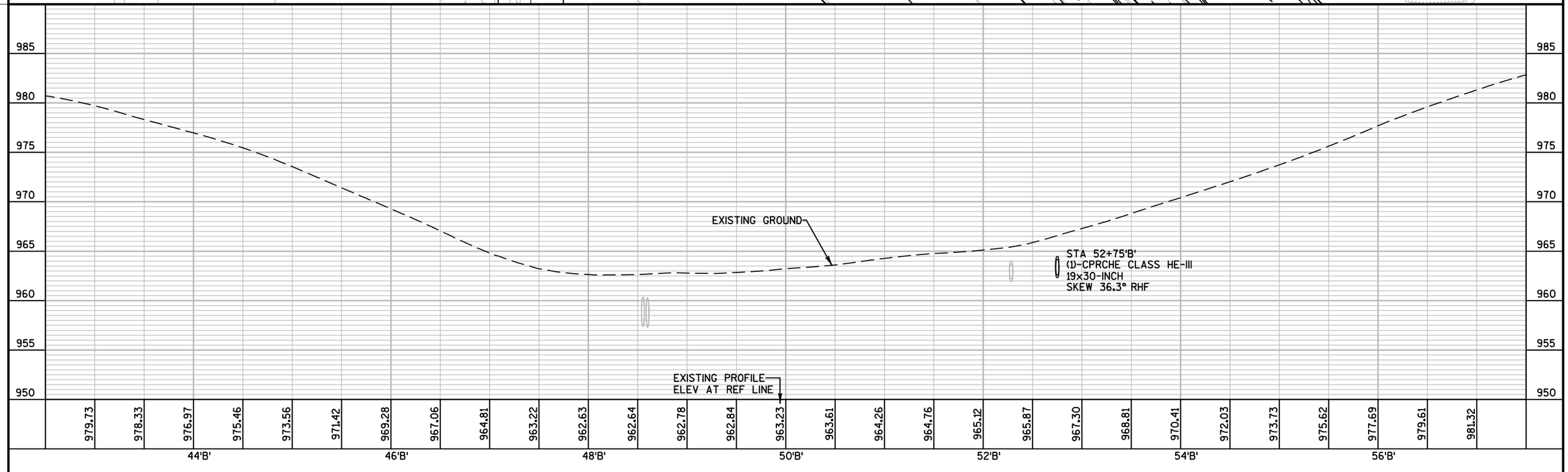
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 - 2-LANE SOUTH CROSSOVER	SHEET E

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 05 PLAN & PROFILE

FILE NAME : 050300_PP (P&P X-OVER).DWG PLOT DATE : 10/9/2017 6:26 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: CTH B	SHEET 277 E

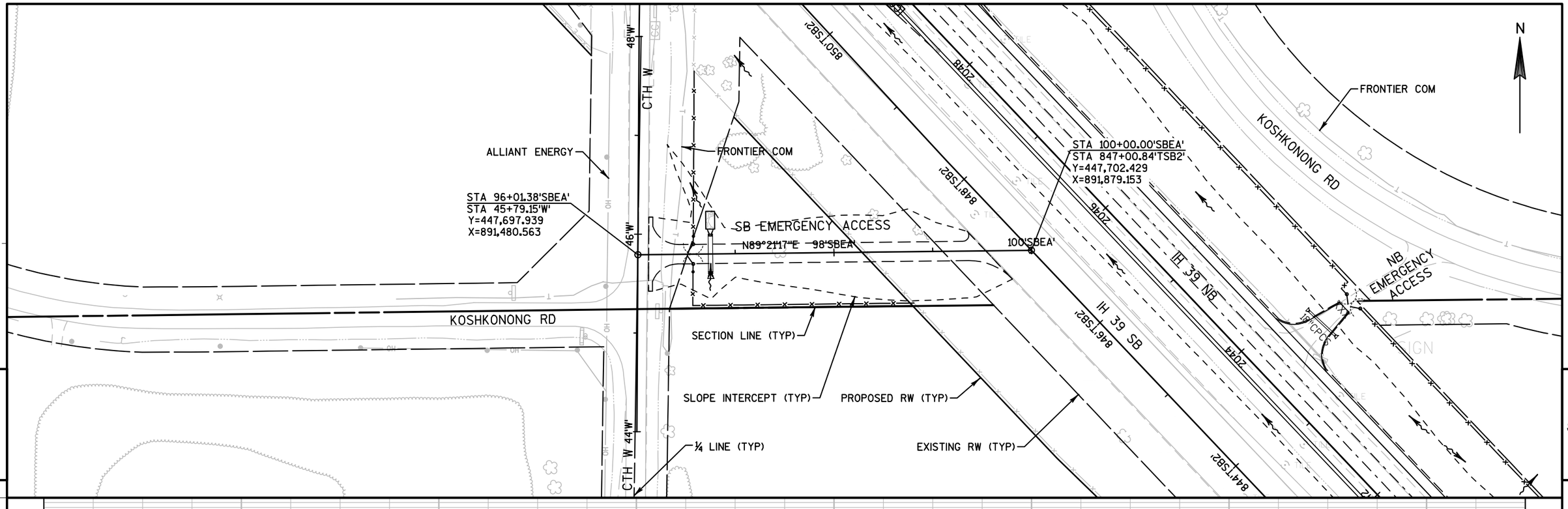
FILE NAME : 050200_PP (P&P B W DR).DWG | PLOT DATE : 10/9/2017 6:29 PM | PLOT BY : SEH INC | LAYOUT NAME : 01 (B) | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 44

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 05 PLAN & PROFILE

5

5

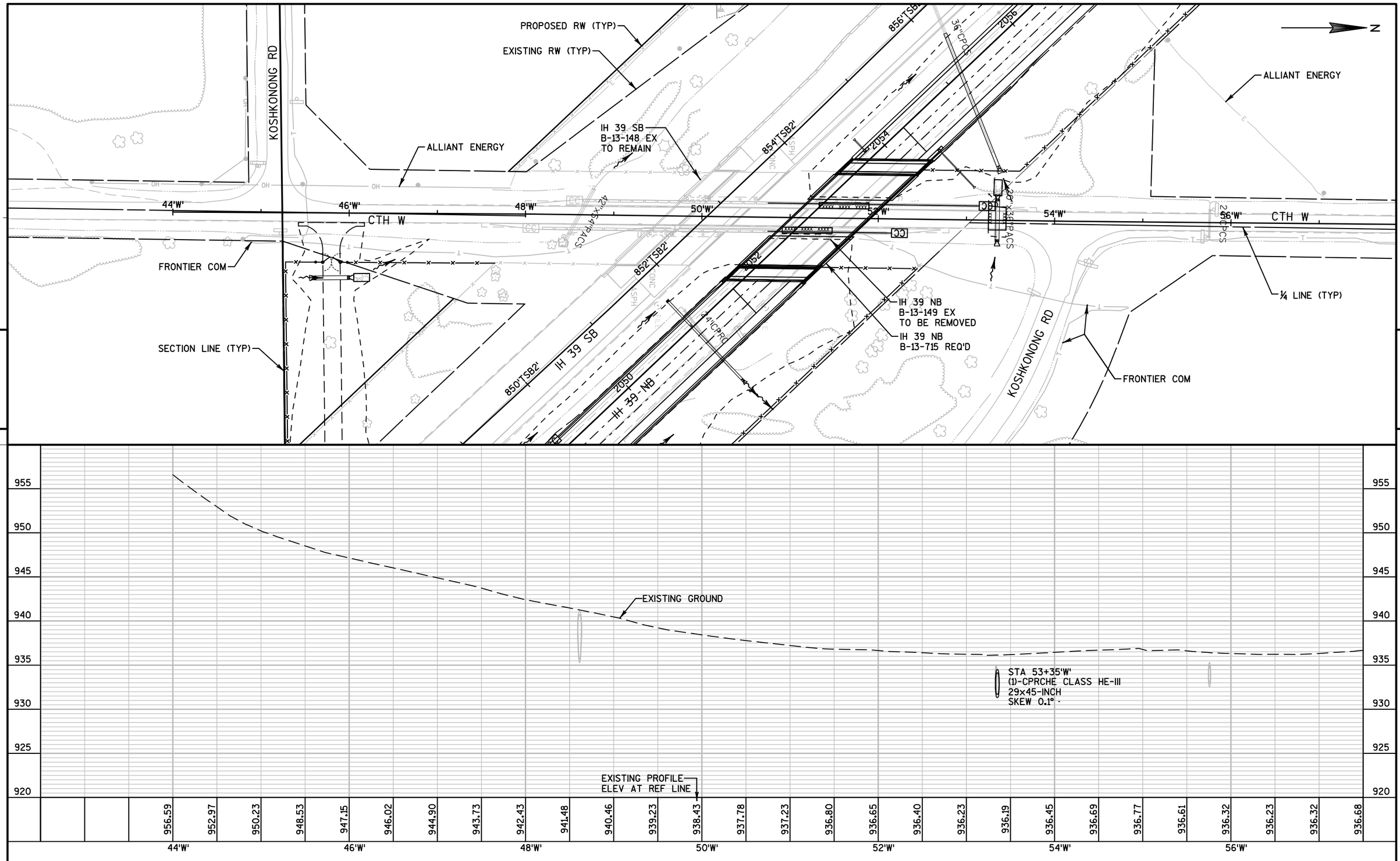


PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: SB EMERGENCY ACCESS	SHEET 278	E

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\DVDANEL\119189\CIVIL 3D\1007101001\SHEETSPLAN\1007117101_SEC 05 PLAN & PROFILE

FILE NAME : 050200_PP (P&P SBEA).DWG PLOT DATE : 10/9/2017 6:32 PM PLOT BY : SEH INC LAYOUT NAME : 01 (SBEA) PLOT SCALE : 1.0 IN = 100.0 FT

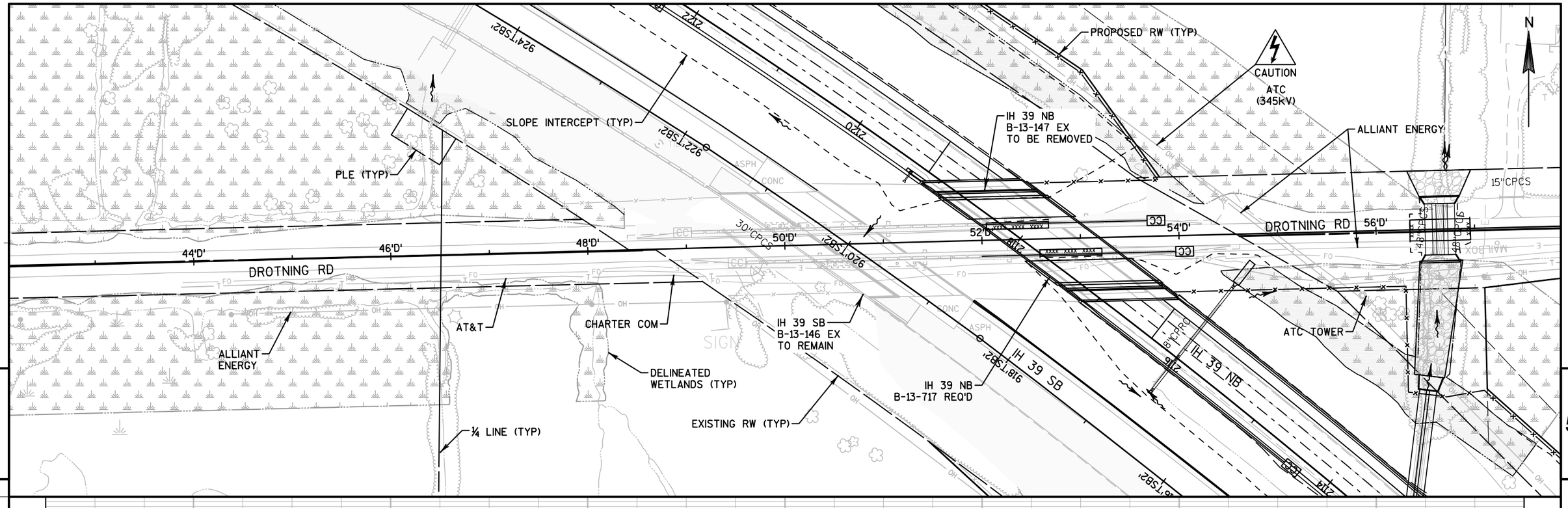
WISDOT/CADDS SHEET 44

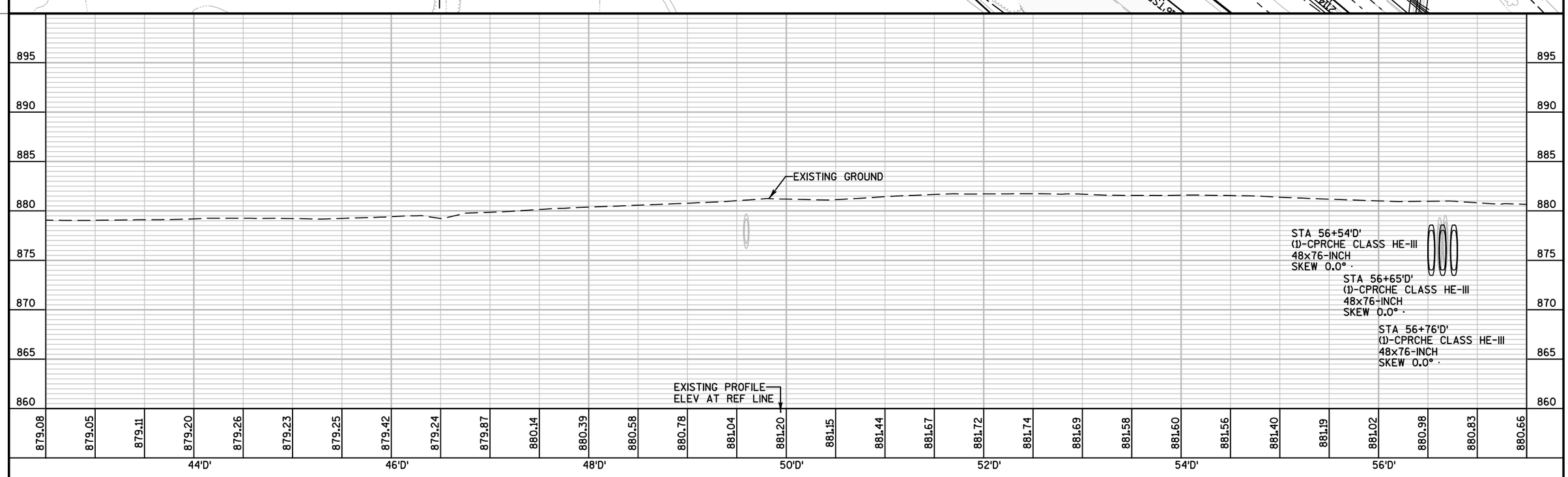


PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: CTH W	SHEET	E

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 05 PLAN & PROFILE

FILE NAME : 050200_PP (P&P B W DR).DWG PLOT DATE : 10/9/2017 6:35 PM PLOT BY : SEH INC LAYOUT NAME : 02 (W) PLOT SCALE : 1.0 IN = 100.0 FT





PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: DROTNING RD	SHEET 280	E

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 05 PLAN & PROFILE

FILE NAME : 050200_PP (P&P B W DR).DWG PLOT DATE : 11/8/2017 7:30 AM PLOT BY : SEH INC LAYOUT NAME : 03 (DR) PLOT SCALE : 1.0 IN = 100.0 FT

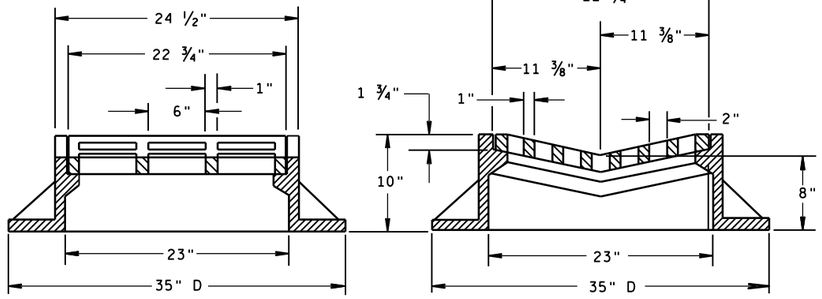
Standard Detail Drawing List

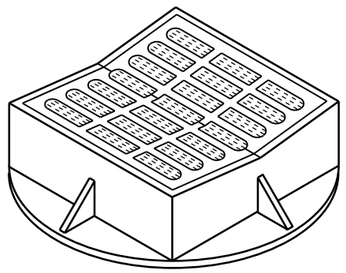
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A09-02	CATCH BASINS 2X3-FT AND 2.5X3-FT
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-19	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D02-06	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F10-01	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
09B02-10	CONDUIT
09B16-01	PULL BOX NON-CONDUCTIVE
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09E01-14D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09H10-01	COMMUNICATION VAULT TYPE - ROUND
09H15-01	MOUNTED CONTROLLER MICROWAVE DETECTOR ASSEMBLY INSTALLATION
12A03-10	NAME PLATE (STRUCTURES)
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13A03-06	CONCRETE PAVEMENT SHOULDERS
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING
13B02-08A	CONCRETE PAVEMENT APPROACH SLAB
13B02-08B	STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB
13C01-18	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C11-11A	RURAL DOWELED CONCRETE PAVEMENT
13C11-11B	RURAL DOWELED CONCRETE PAVEMENT
13C18-05A	CONCRETE PAVEMENT JOINTING
13C18-05B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-05C	CONCRETE PAVEMENT JOINT TYPES
14B07-15A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-02A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B29-01	SAFETY EDGE
14B32-05A	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-05B	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-05C	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-05D	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-05E	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B42-05A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-05B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-05C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-05D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-03A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-03B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-03C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-04A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

6

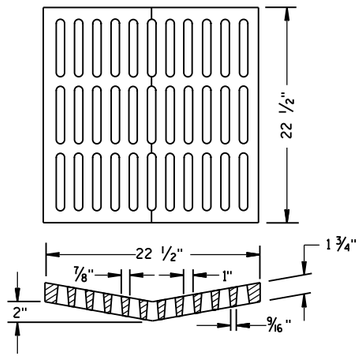
Standard Detail Drawing List

14B45-04D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04K	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04L	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B47-02A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-02B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-02C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
15A02-09	DELINEATOR POST, DELINEATOR REFLECTOR AND DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15A04-03A	FLEXIBLE DELINEATOR POST
15A04-03B	DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A04-03C	DELINEATOR POST WITH REFLECTIVE SHEETING
15A04-03D	DELINEATOR WITH REFLECTIVE SHEETING
15B01-08A	FENCE WOVEN WIRE
15B01-08B	FENCE WOVEN WIRE
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C08-18A	LONGITUDINAL MARKING (MAINLINE)
15C11-07A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C19-04C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15D03-04	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER
15D38-01A	TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS
15D38-01B	ATTACHMENT OF SIGNS TO POSTS



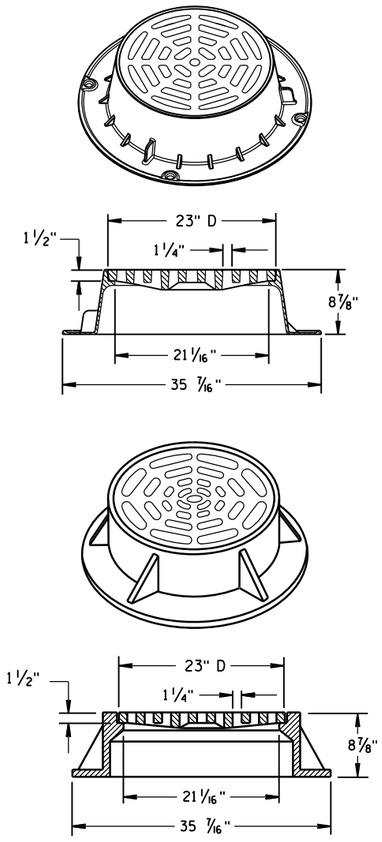


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

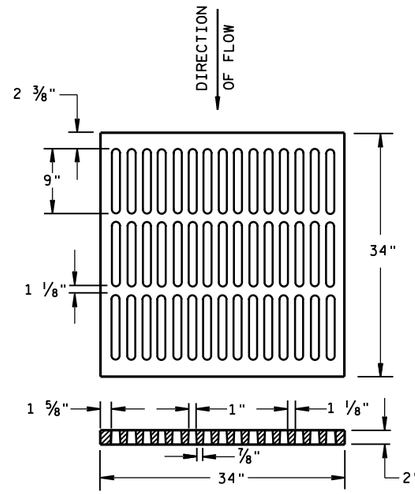
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

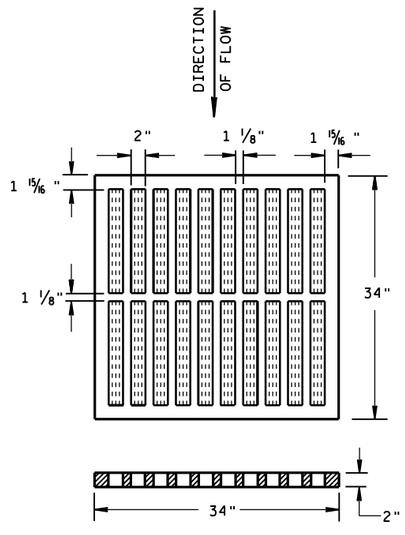
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



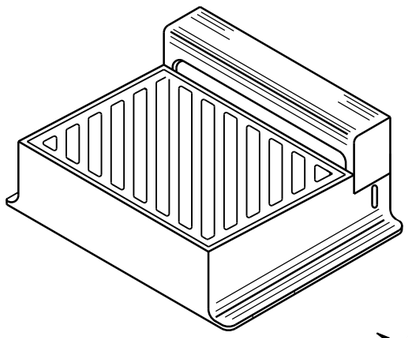
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

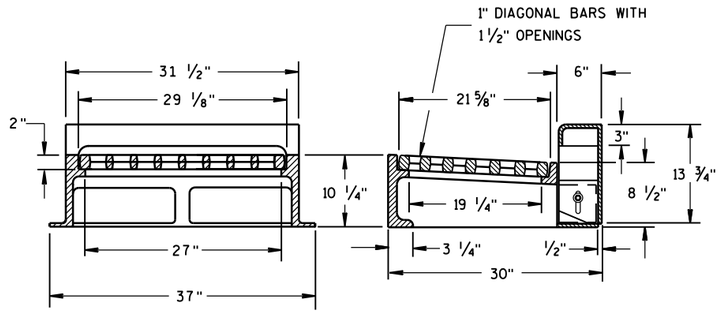


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

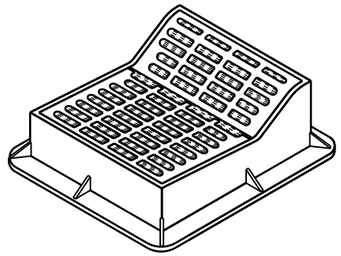
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

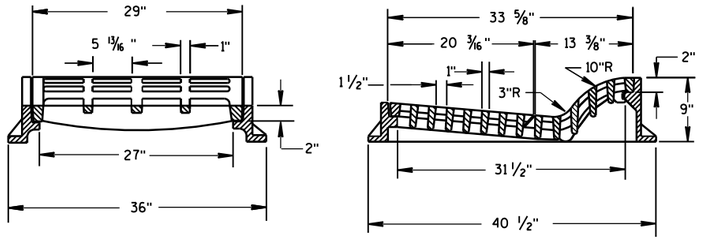
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

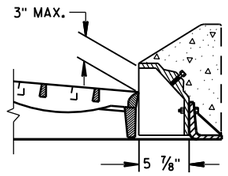
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

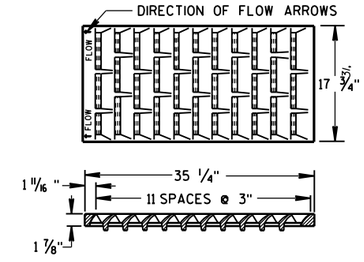
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

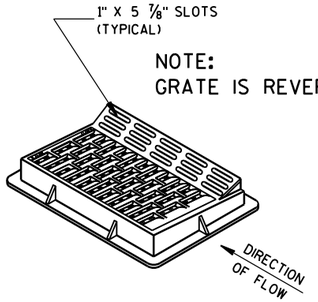
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

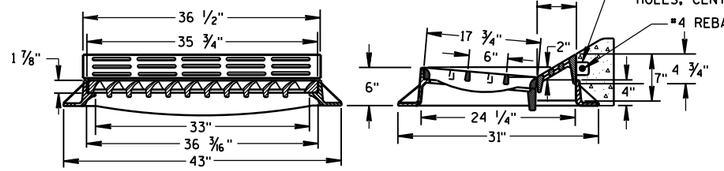
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



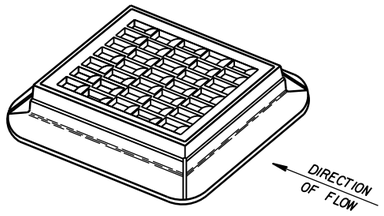


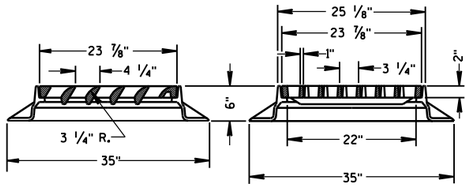


TYPE "HM"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE





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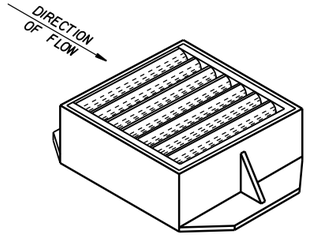
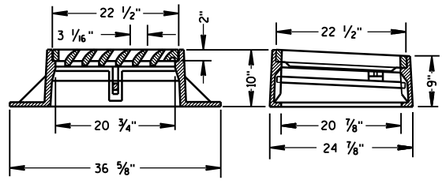
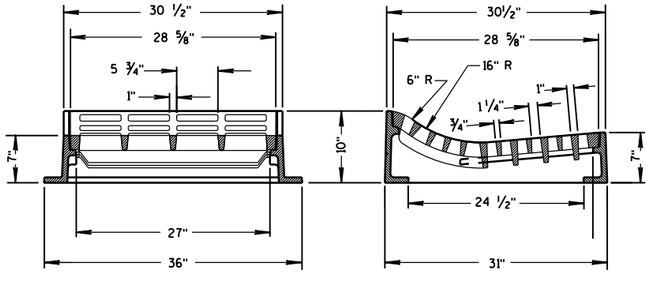


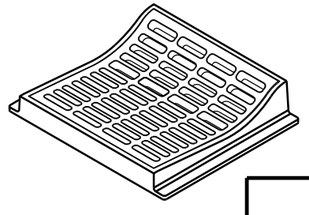


TYPE "V"



TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

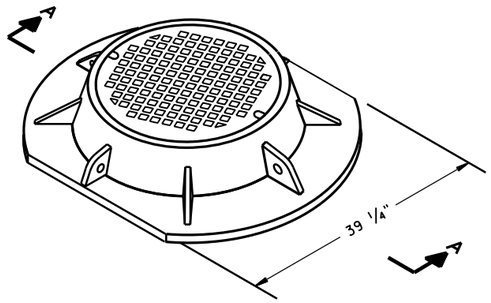
FHWA

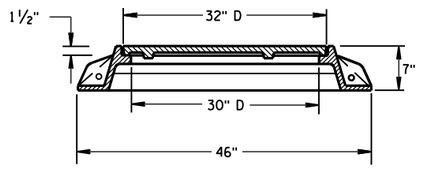
6

S.D.D. 8 A 5-19c

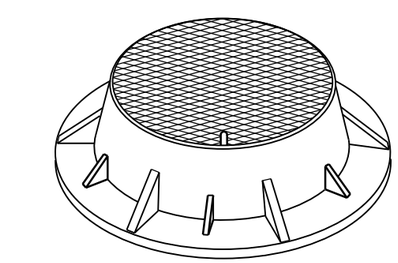
6

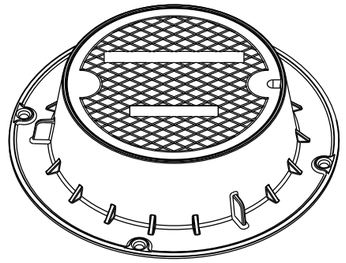
S.D.D. 8 A 5-19c

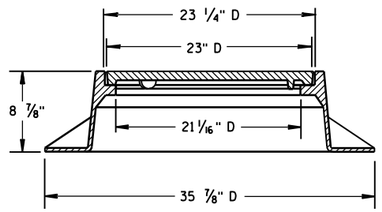


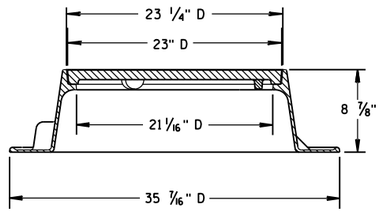


SECTION A-A
TYPE "K"









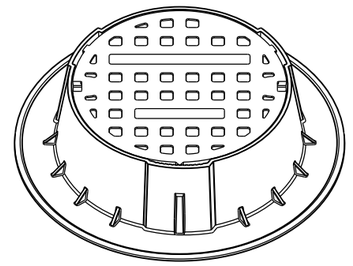
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

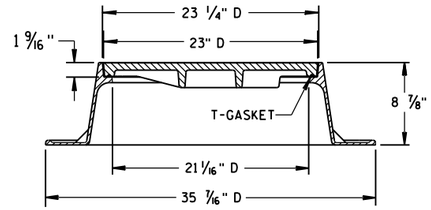
GENERAL NOTES

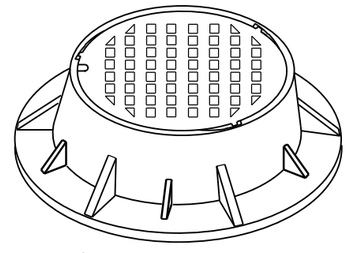
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

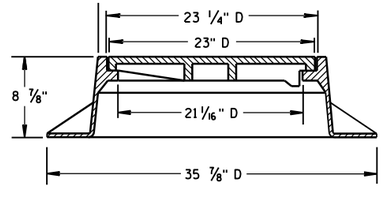
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

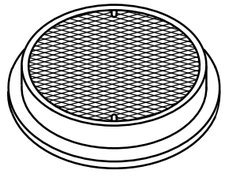


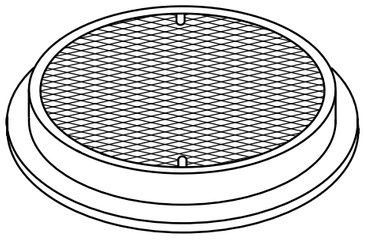


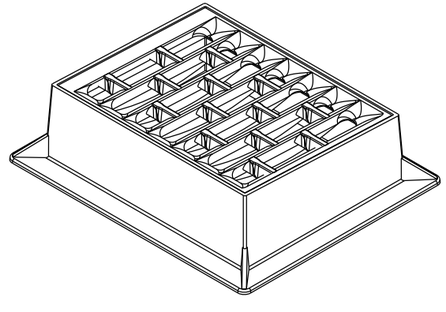


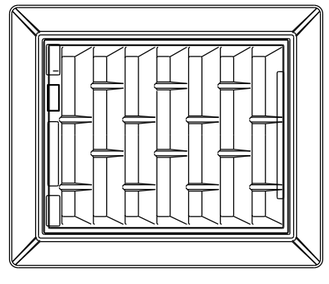


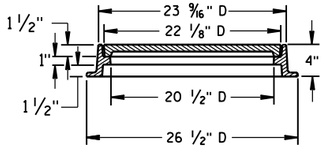
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



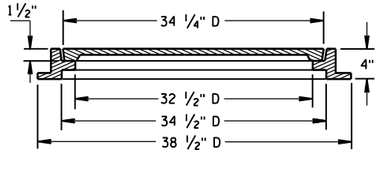




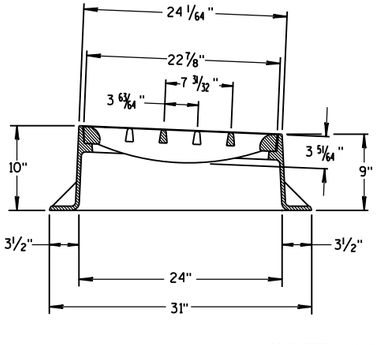


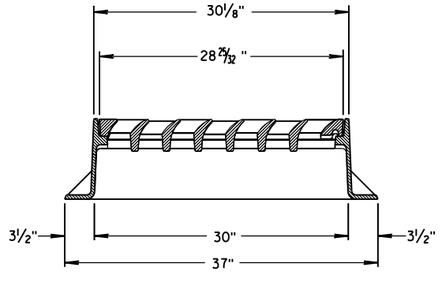


TYPE "L"



TYPE "M"





INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

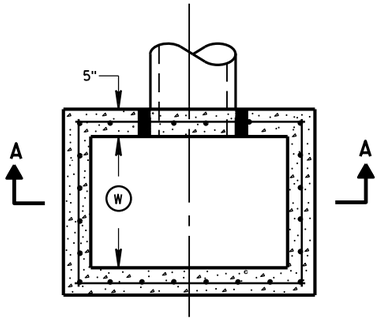
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

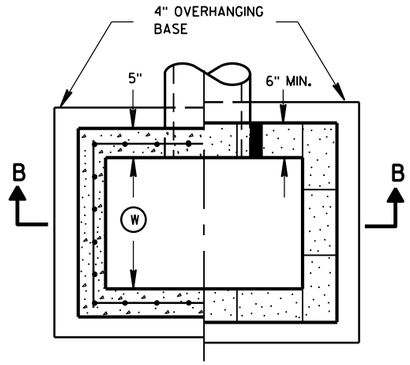
S.D.D. 8 A 5-19d

6

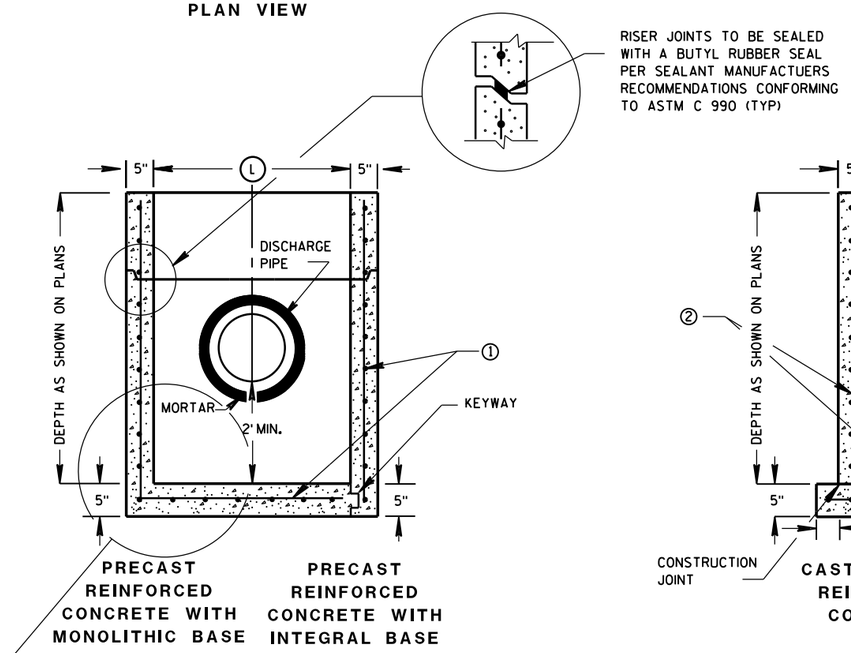
S.D.D. 8 A 5-19d



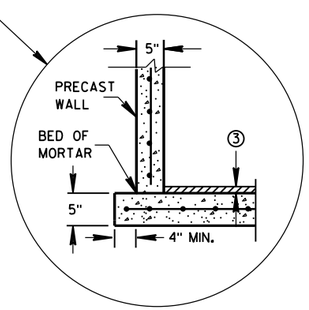
PLAN VIEW



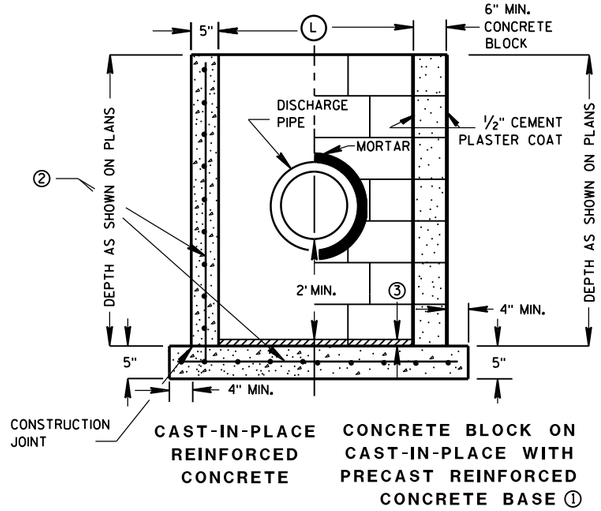
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST CATCH BASIN UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

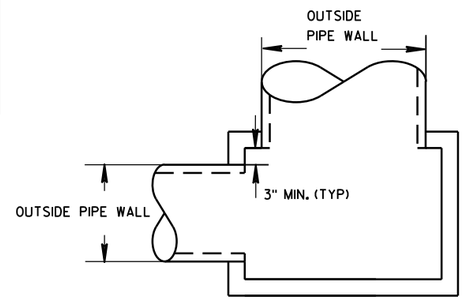
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

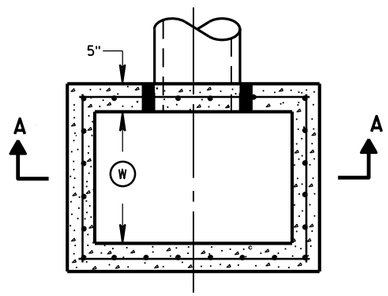
CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

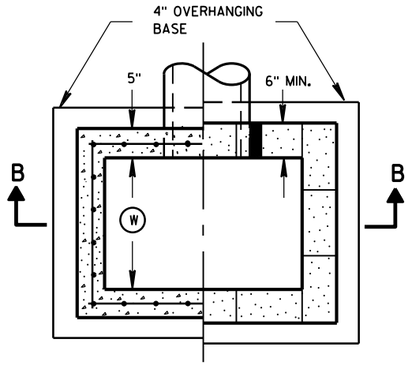
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

6

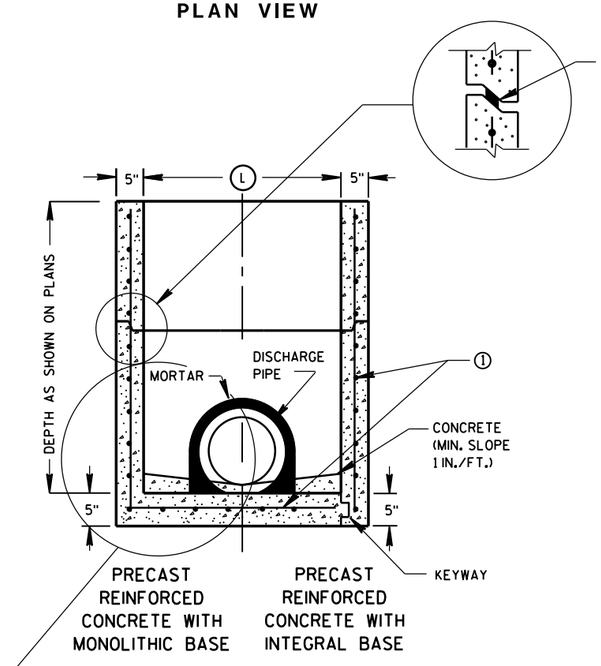
S.D.D. 8 A 9-2



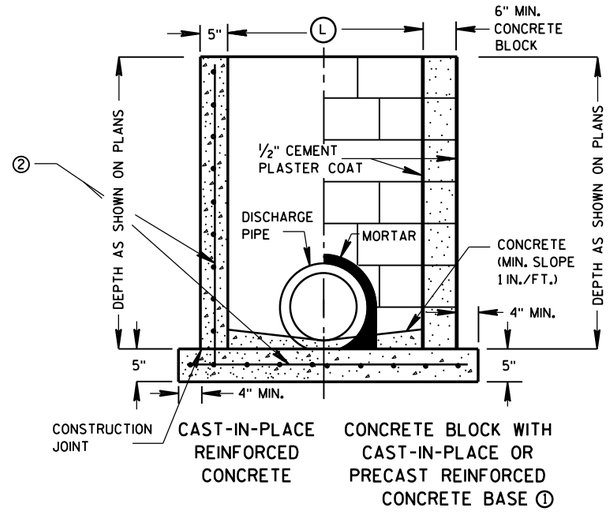
PLAN VIEW



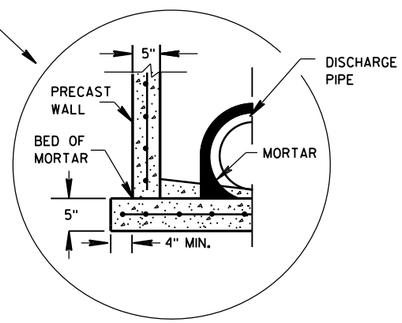
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

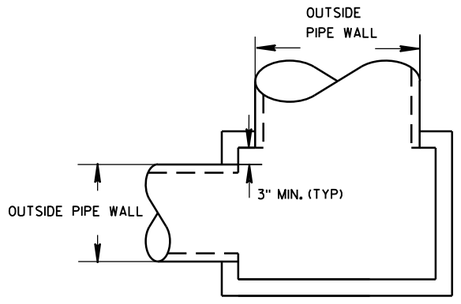
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
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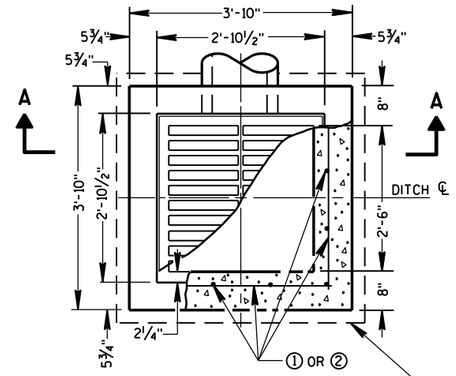
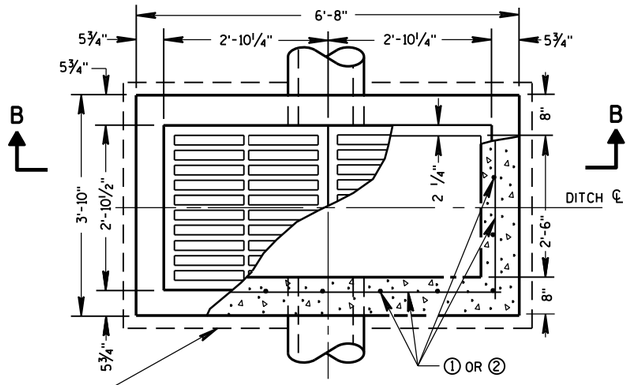
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

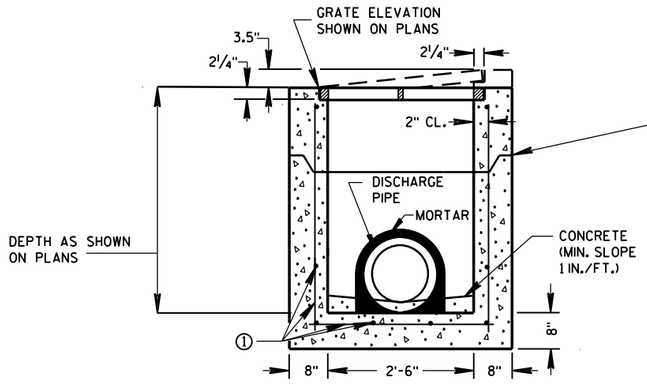


PLAN VIEW

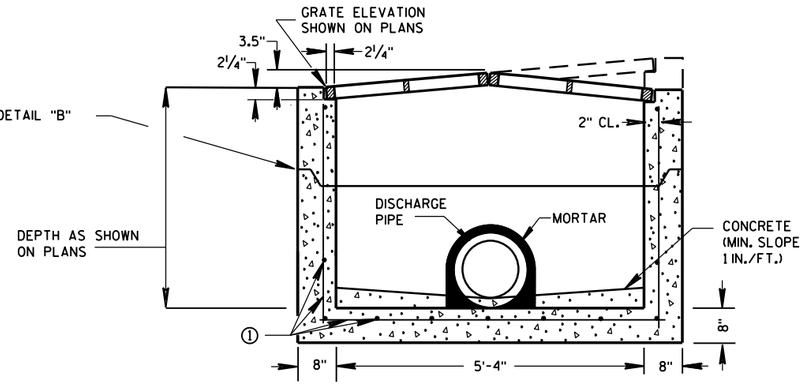


PLAN VIEW

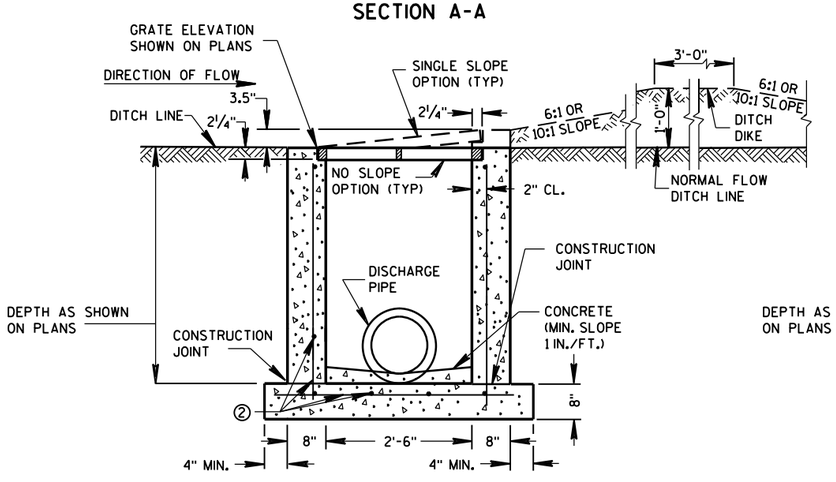
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



PRECAST REINFORCED CONCRETE SECTION A-A

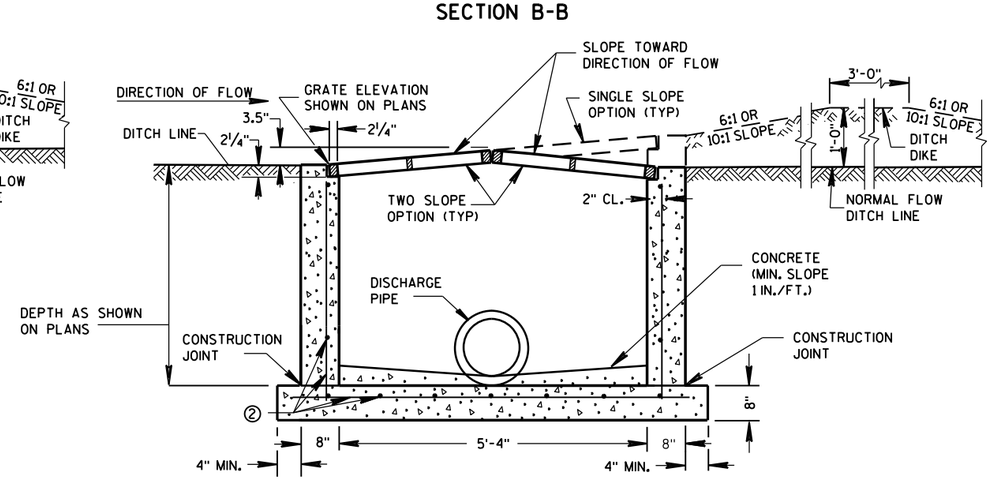


PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A

INLETS MEDIAN 1 GRATE



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

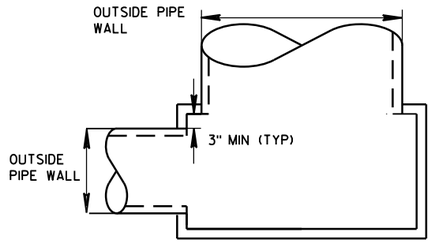
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

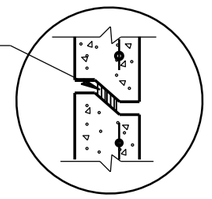
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
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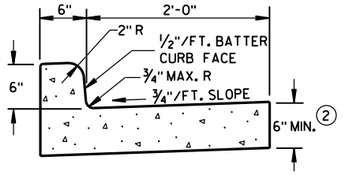
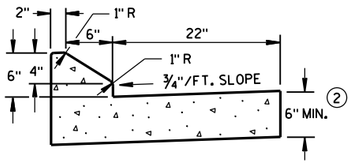
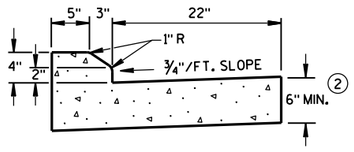


TYPES A & D ①

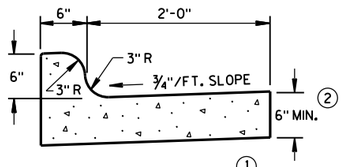


6" SLOPED CURB TYPES G & J ①

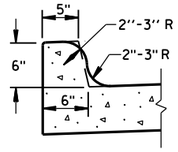


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

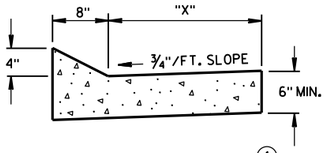


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

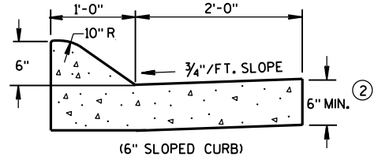
CONCRETE CURB & GUTTER 30"



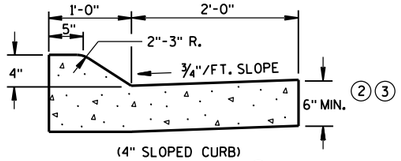
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

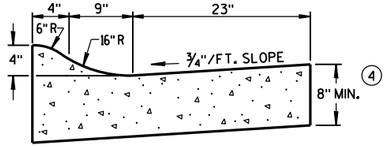


(6" SLOPED CURB)



(4" SLOPED CURB)

TYPES A & D ①



4" SLOPED CURB TYPES R & T ①⑤

CONCRETE CURB & GUTTER 36"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

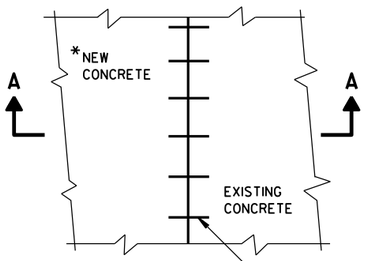
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

③ USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

④ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

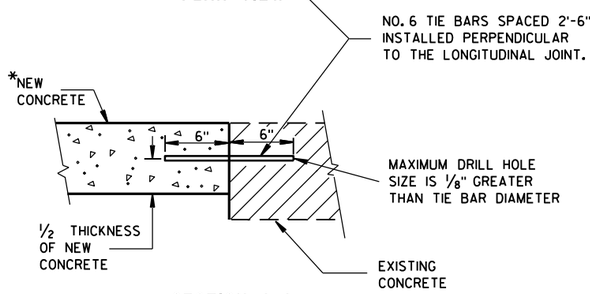
⑤ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

⑥ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



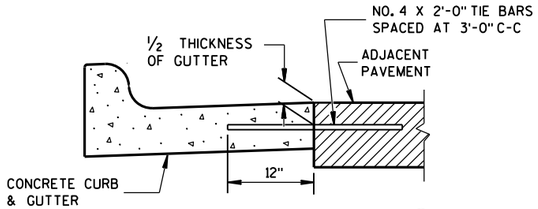
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

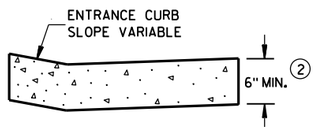


SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT

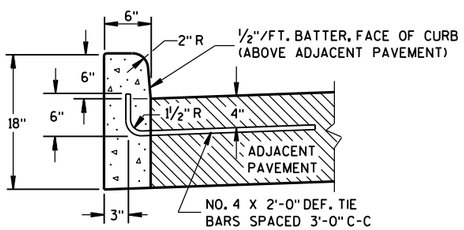


TYPICAL TIE BAR LOCATION ①

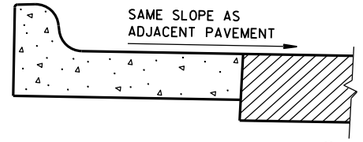


DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)

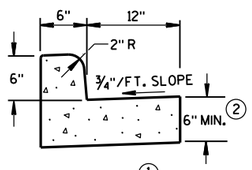


① TYPES A & D



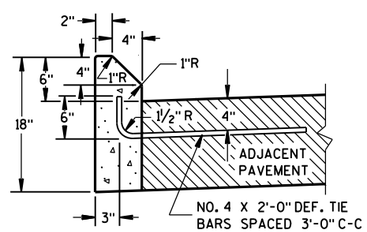
⑥ REVERSE SLOPE GUTTER

(TYPICAL FOR ALL CURB & GUTTER TYPES)



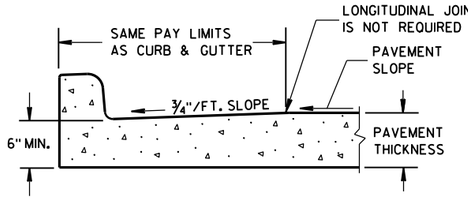
① TYPES A & D

CONCRETE CURB & GUTTER 18"

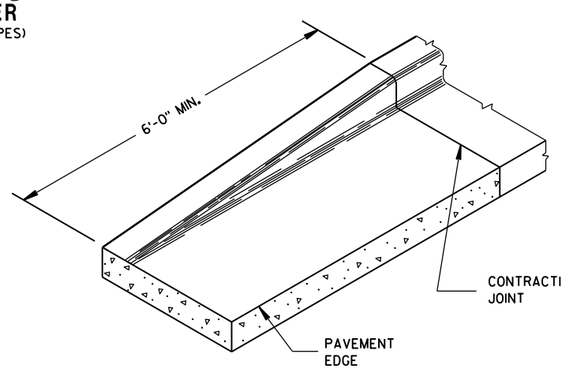


① TYPES G & J

CONCRETE CURB



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2016 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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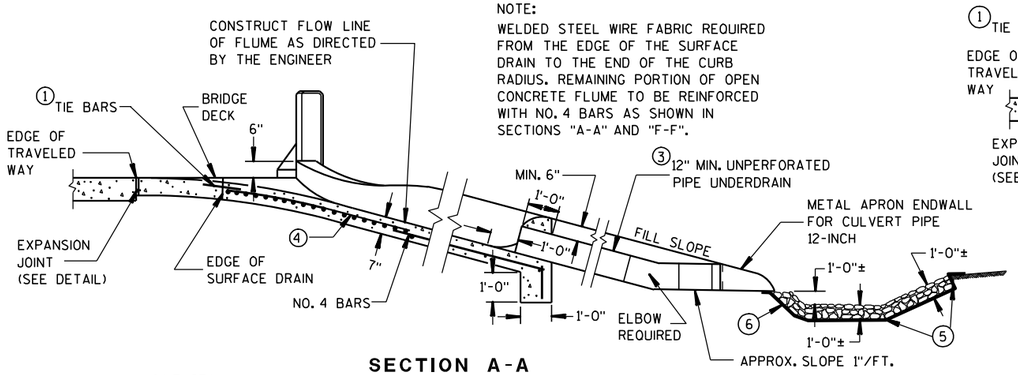
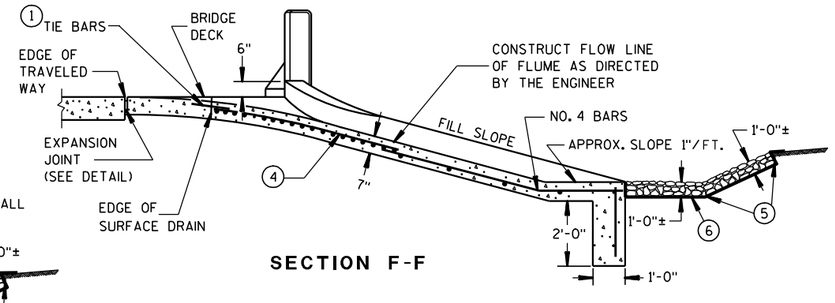
S.D.D. 8 D 1-19



SECTION A-A



SECTION F-F

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

(1) NO. 4 X 2'-0" TIE BARS SPACED AT 3'-0" CENTERS TO BE USED ONLY WHEN ADJACENT TO P.C. CONCRETE.

(2) NO. 4 X 2'-0" TIE BARS SPACED AT 12" CENTERS TO BE PLACED BY BRIDGE CONTRACTOR, OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PIPE UNDERDRAIN MAY BE ANY OF THE MATERIALS LISTED IN SECTION 612.2 OF THE STANDARD SPECIFICATIONS EXCEPT DRAIN TILE.

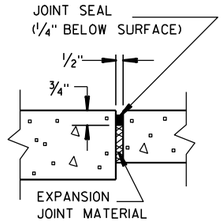
(4) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C-C.

(5) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.

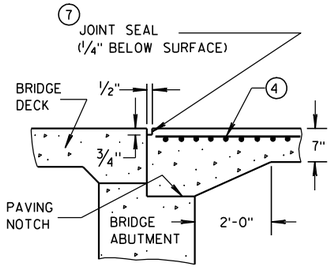
(6) GEOTEXTILE FABRIC, TYPE 'R"

(7) HOT POURED SEALANT UNLESS OTHERWISE SPECIFIED.

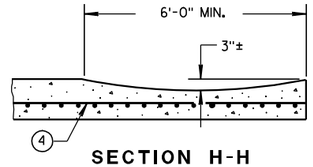
(8) THIS DIMENSION MAY VARY DEPENDING ON THE SPACING OF POSTS FOR THE STEEL PLATE BEAM GUARD. THE TYPICAL LOCATION FOR THE SURFACE DRAIN IS WHERE THE POST SPACING WIDENS TO 3'-1½".



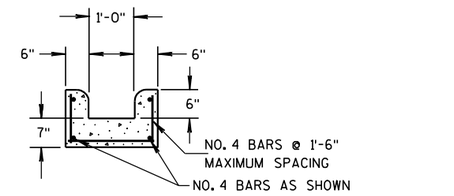
EXPANSION JOINT DETAIL



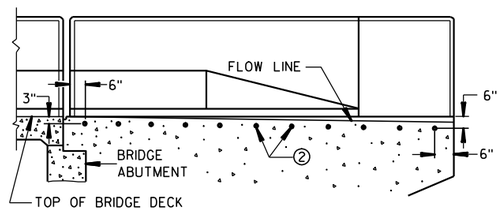
SECTION D-D



SECTION H-H

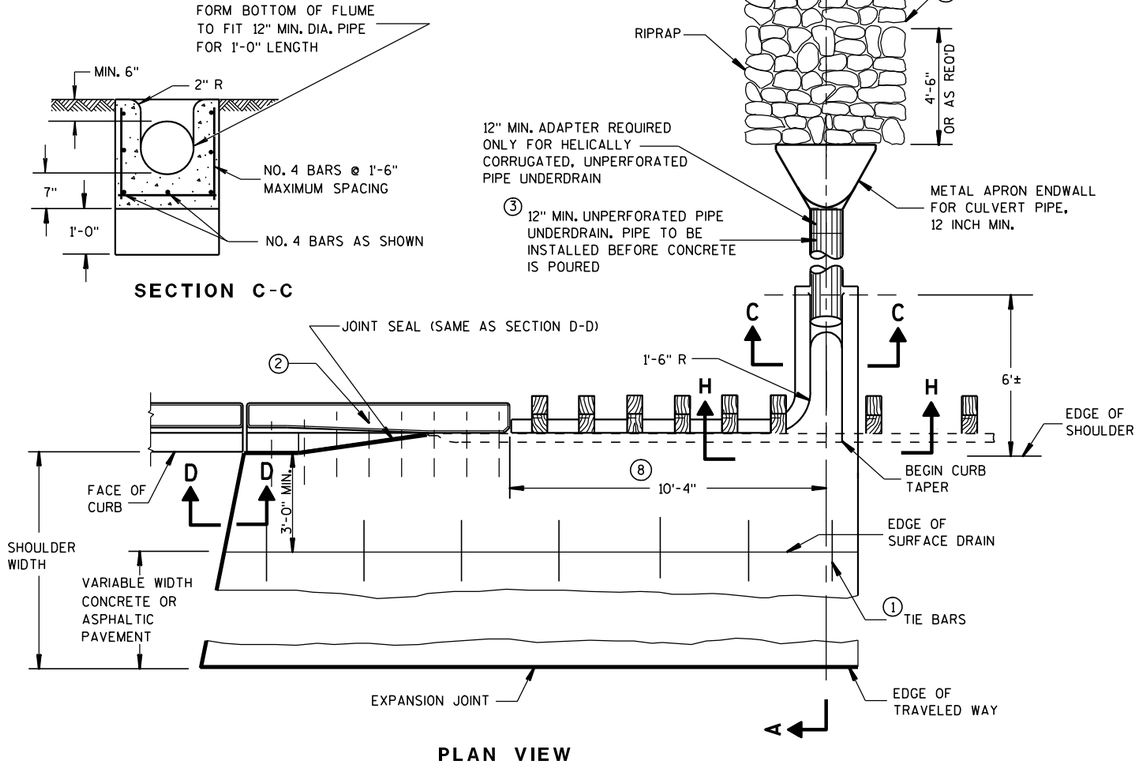


SECTION E-E

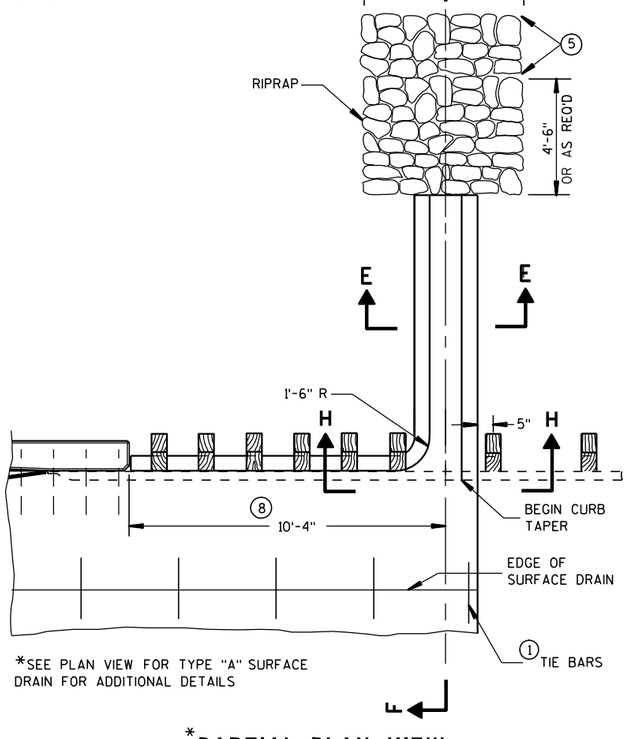


LOCATION OF TIE BARS IN WINGWALL

SECTION C-C



PLAN VIEW
SURFACE DRAIN WITH PIPE
TYPE "A"



*SEE PLAN VIEW FOR TYPE "A" SURFACE DRAIN FOR ADDITIONAL DETAILS

*PARTIAL PLAN VIEW
SURFACE DRAIN WITHOUT PIPE
TYPE "B"

CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/4/08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
290
FHWA

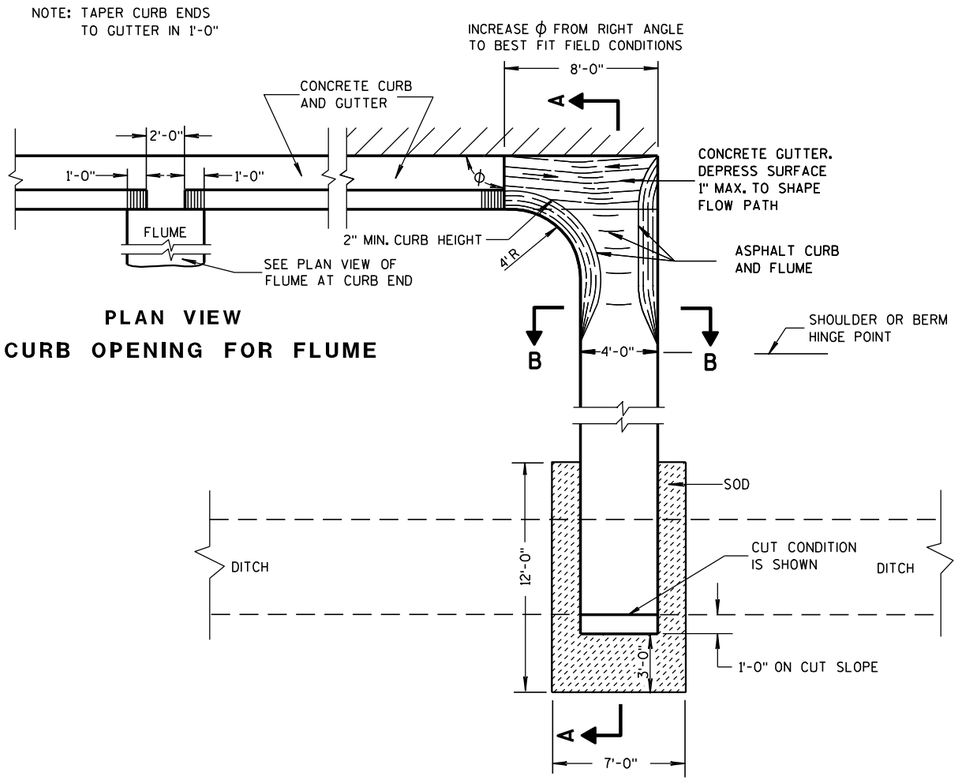
6

S.D.D. 8 D 2-6

6

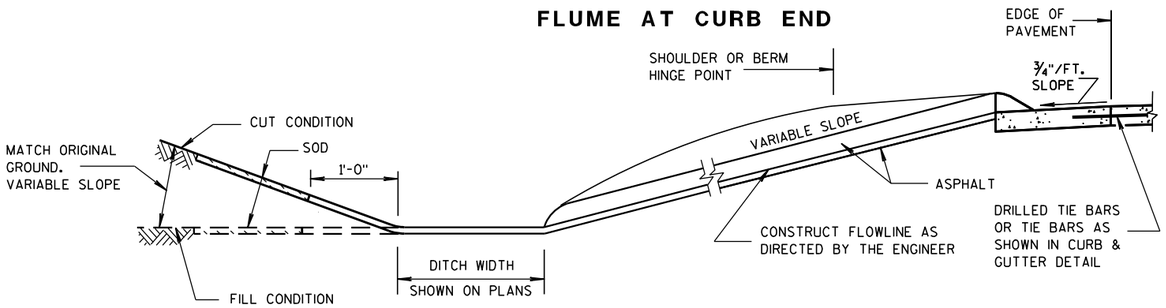
S.D.D. 8 D 2-6

ASPHALTIC FLUME

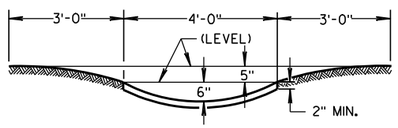


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

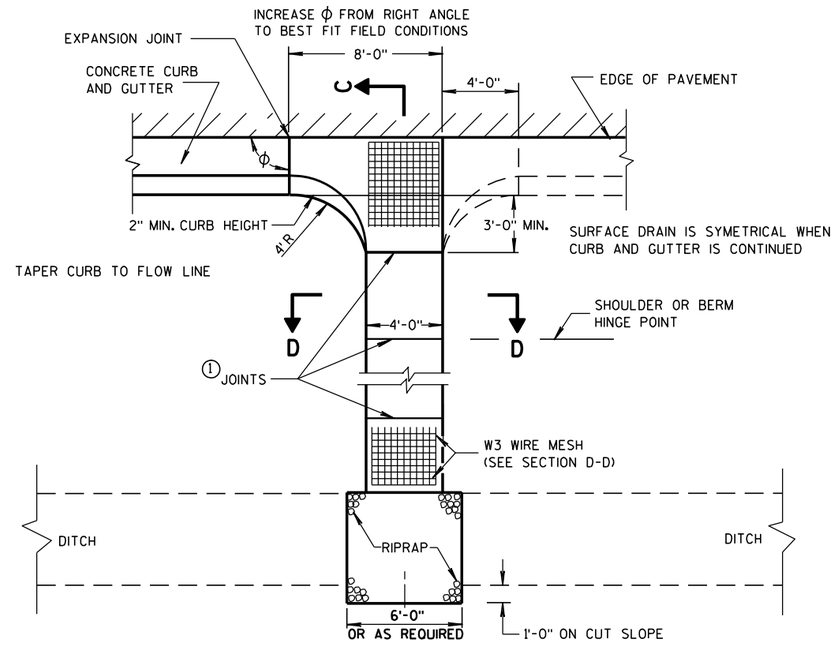
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

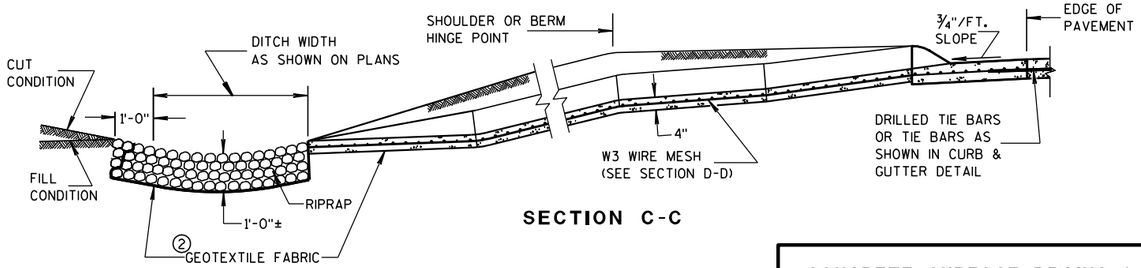
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

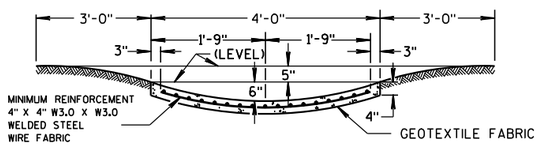
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9-4-08 DATE — /S/ Jerry H. ... ROADWAY STANDARDS ENGINEER — MENT

FHWA

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S.D.D. 8 D 4-5

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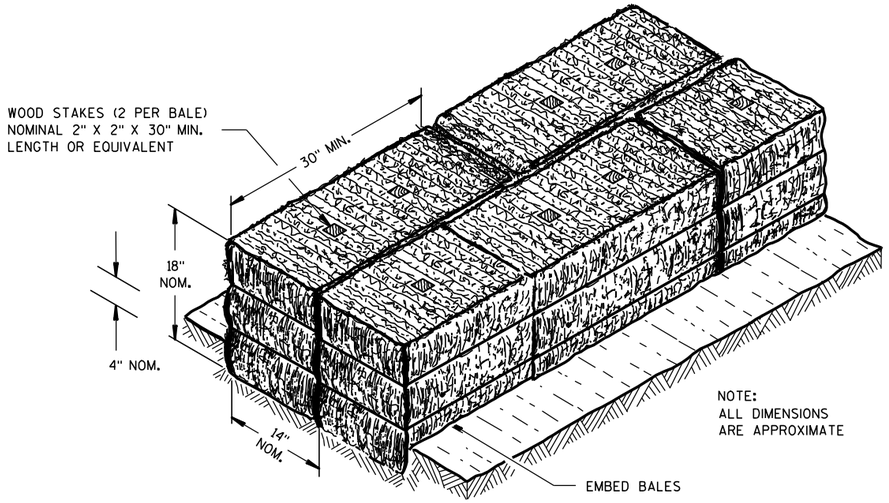
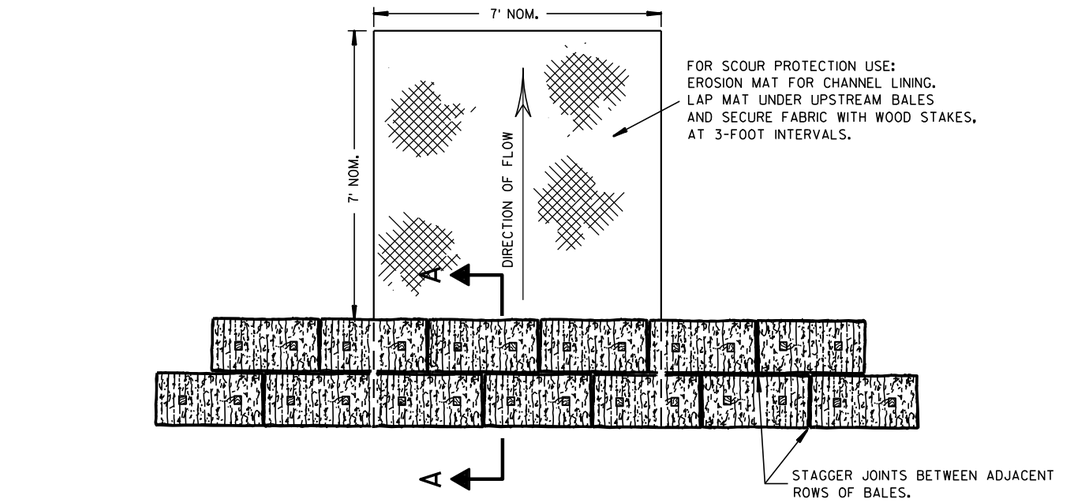
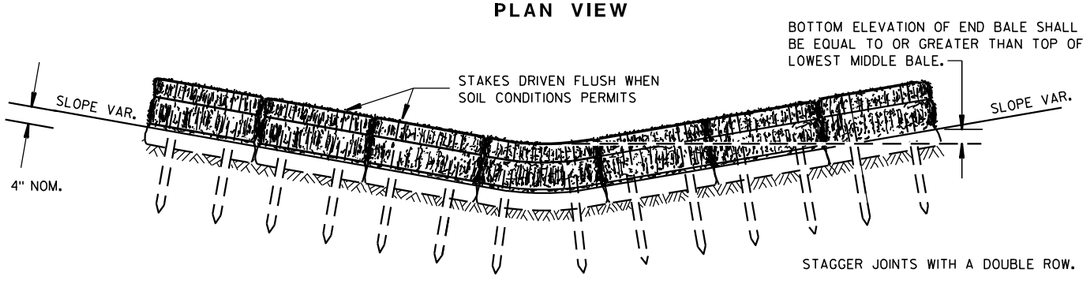
S.D.D. 8 D 4-5



SECTION A-A



PLAN VIEW



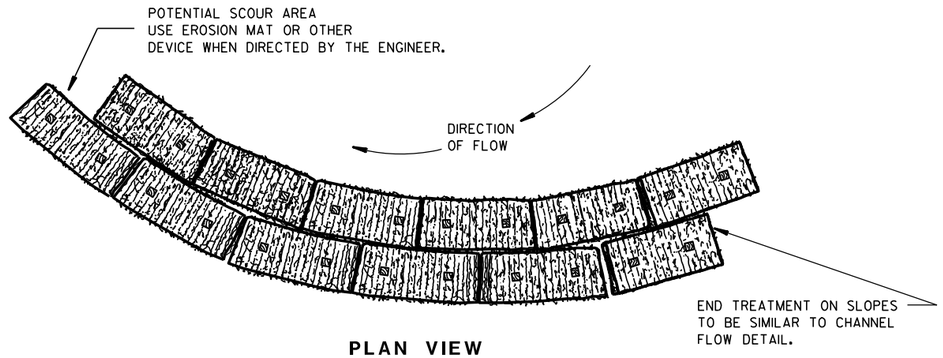
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

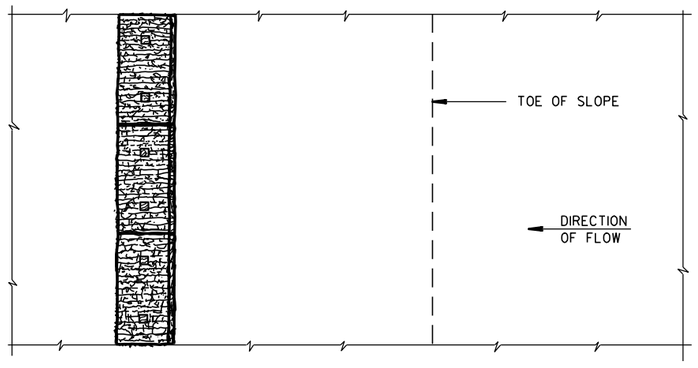
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

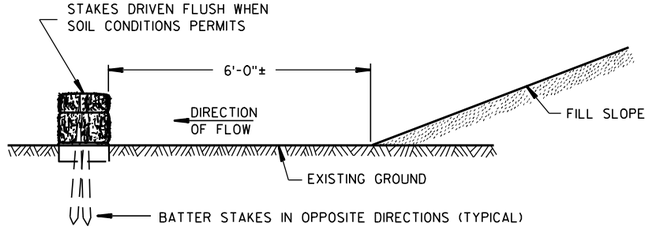


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 DATE — /S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6

S.D.D. 8 E 8-3

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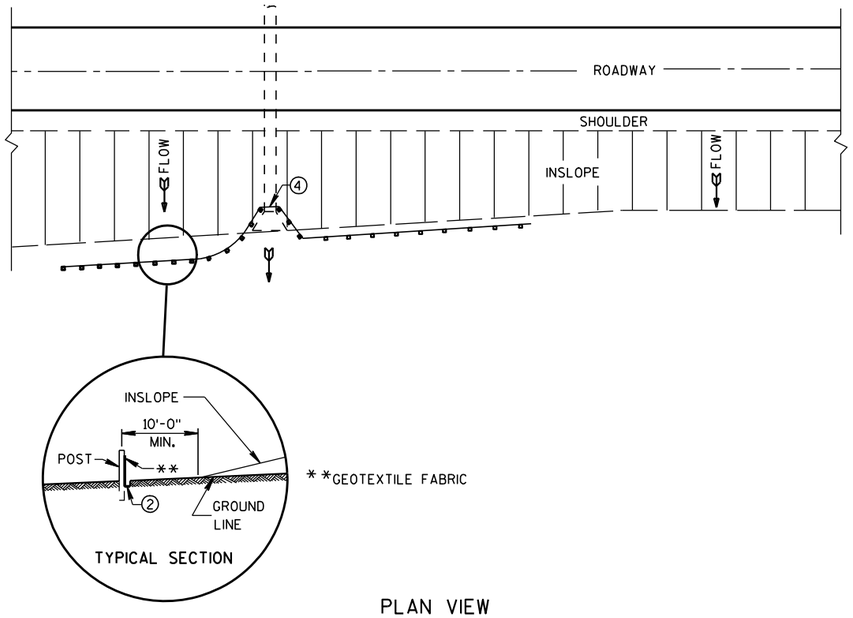
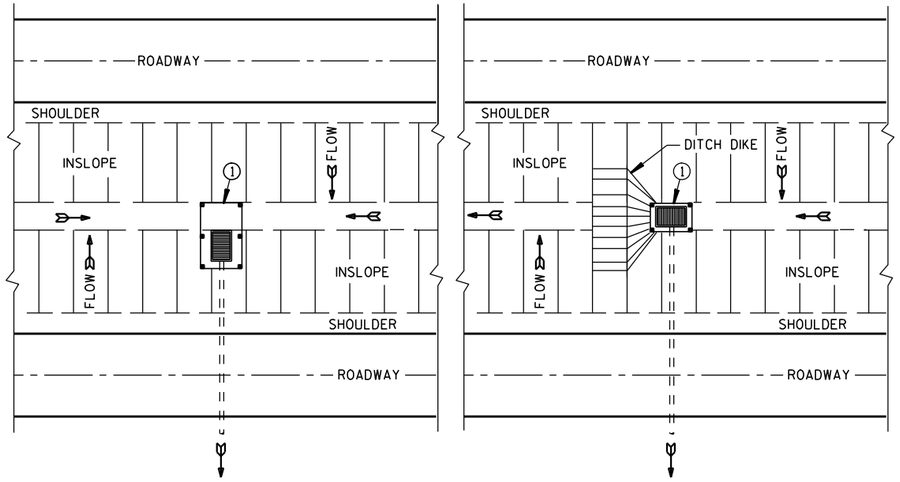
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

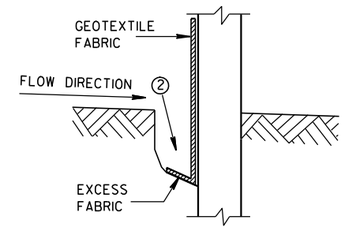
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

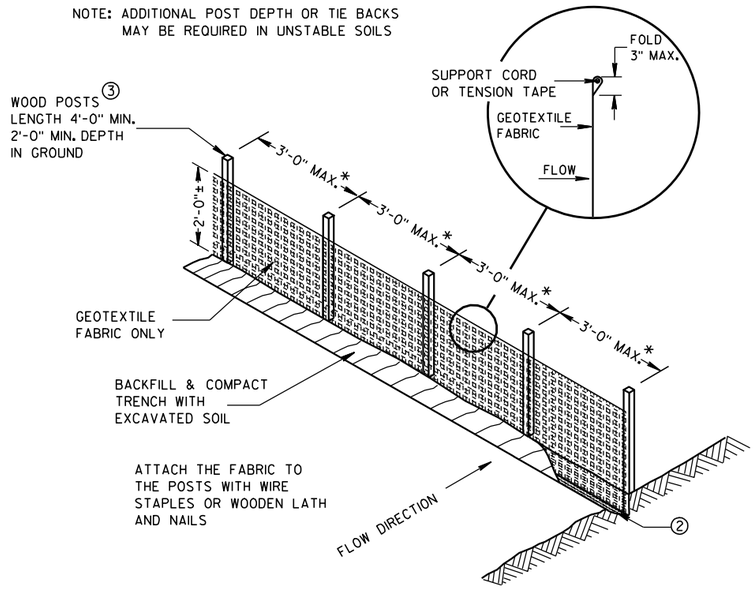
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

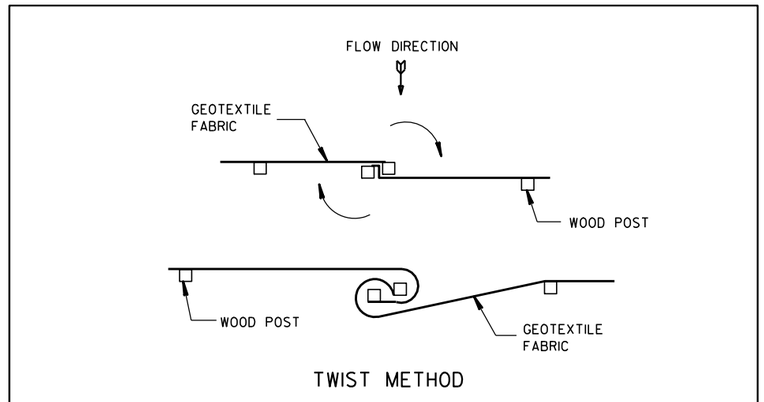
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



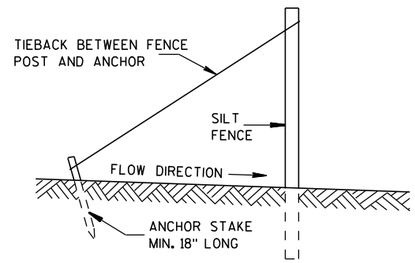
TRENCH DETAIL



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 E 9-6

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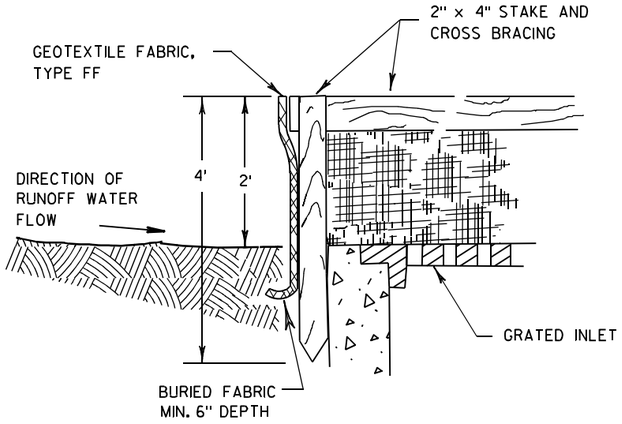
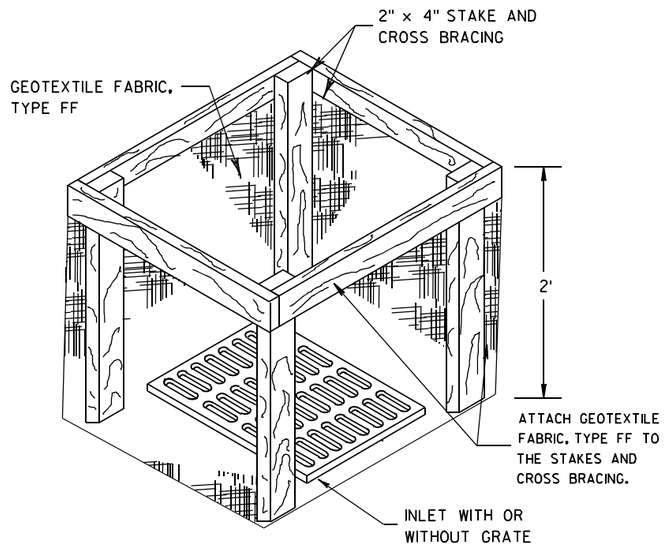
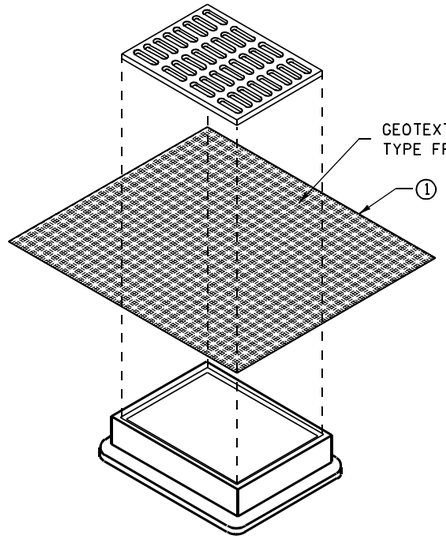
S.D.D. 8 E 9-6



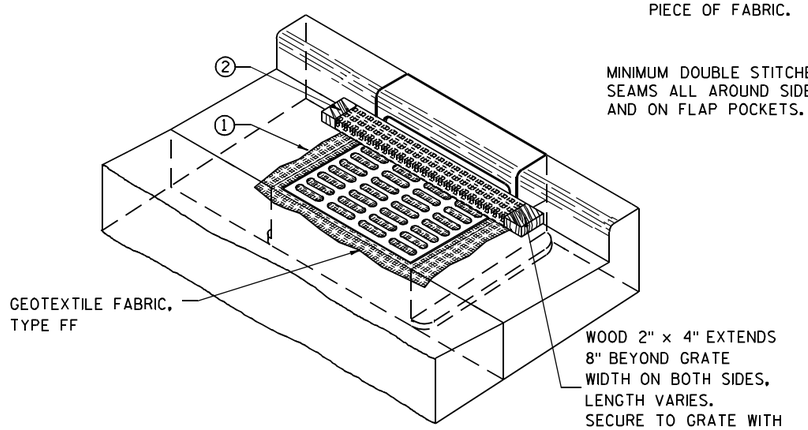


INLET PROTECTION, TYPE A

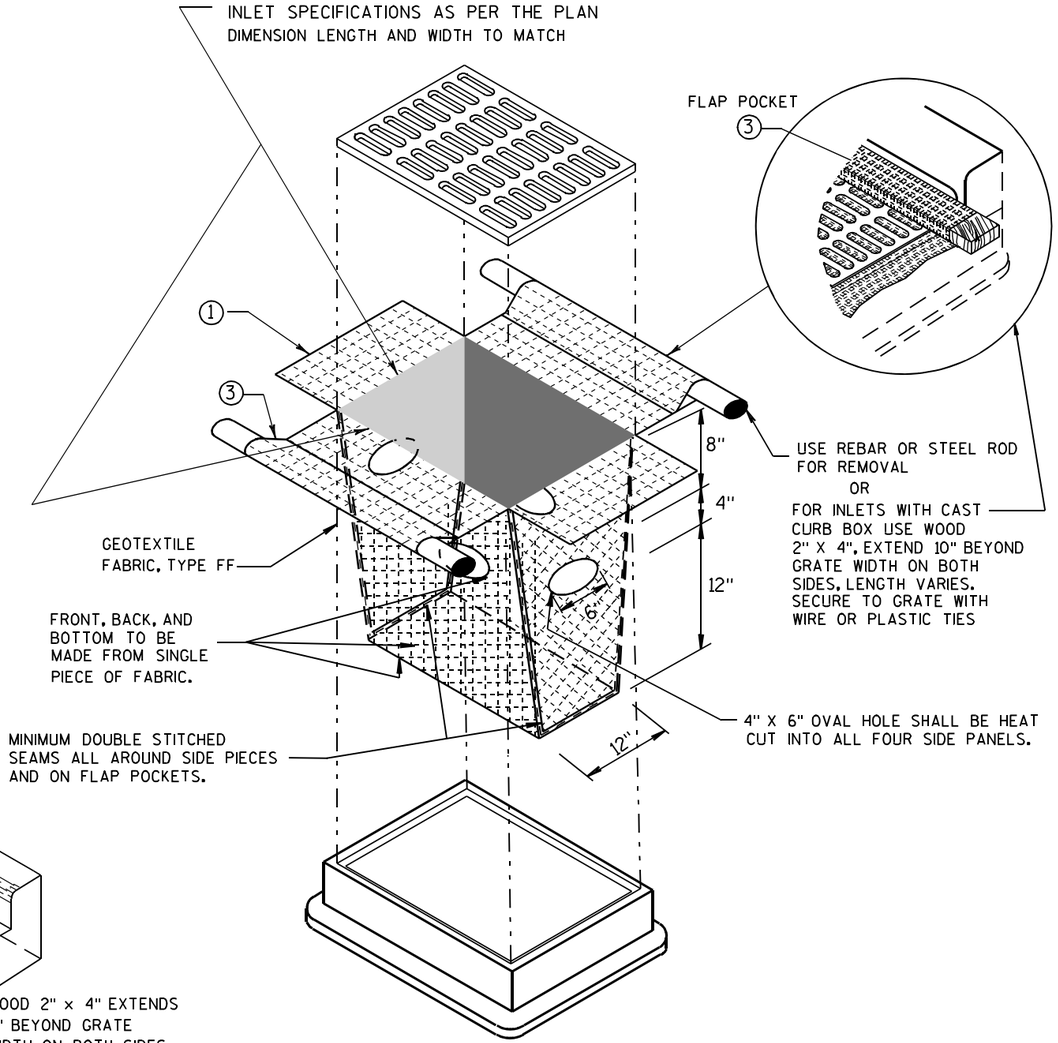


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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S.D.D. 8 E 10-2

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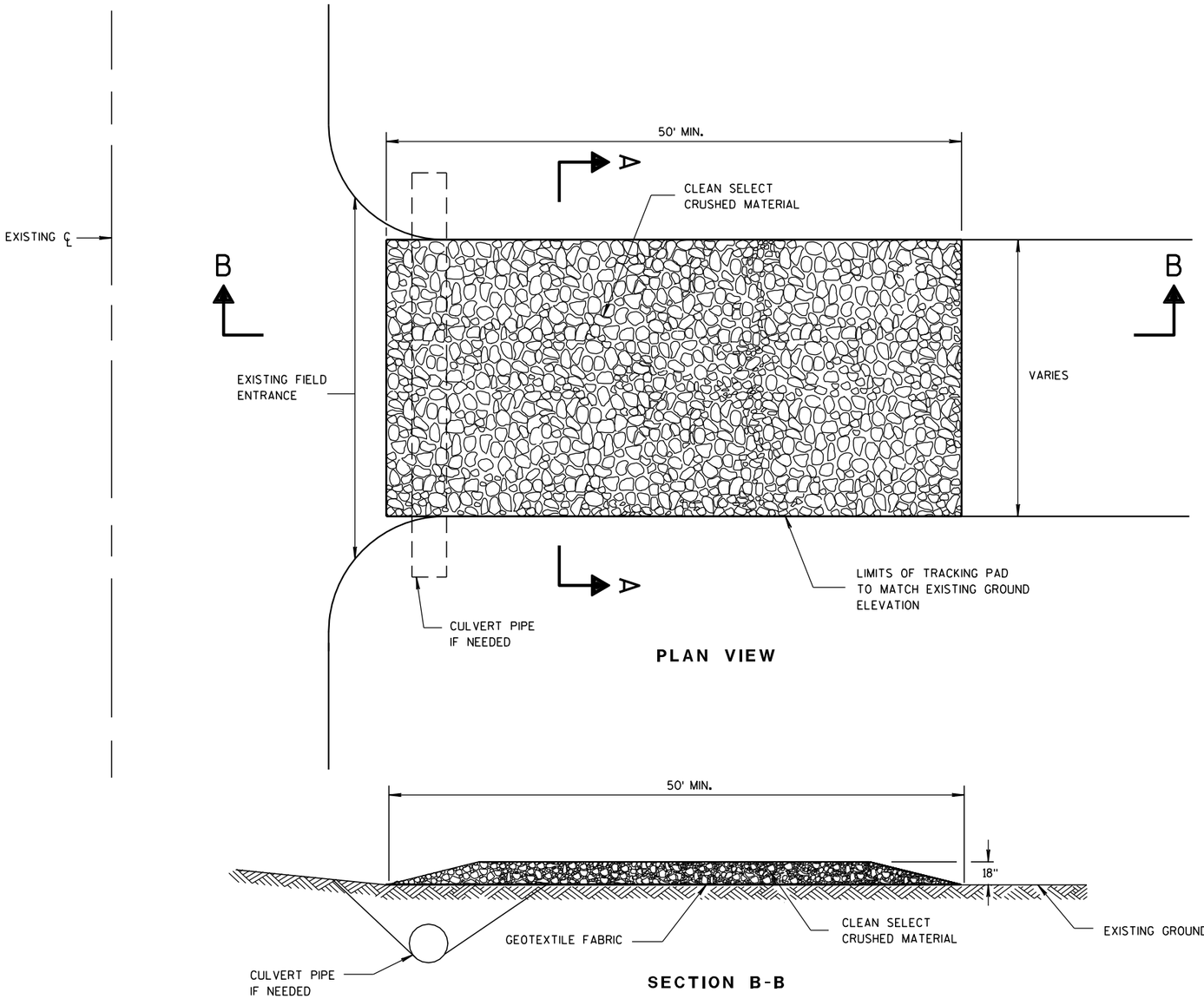
S.D.D. 8 E 10-2



PLAN VIEW

SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

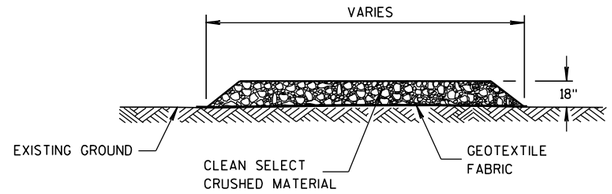
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

6

S.D.D. 8 E 14-1

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/24/2011	/S/ Jerry H. Zoda	
DATE	ROADWAY STANDARDS ENGINEER	ENT

FHWA

295

6

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

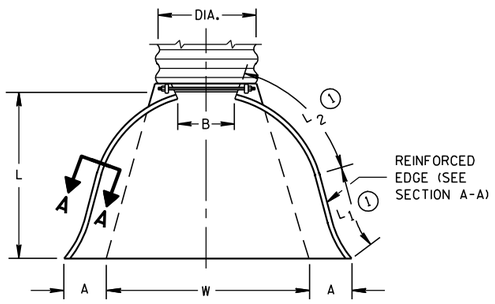
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

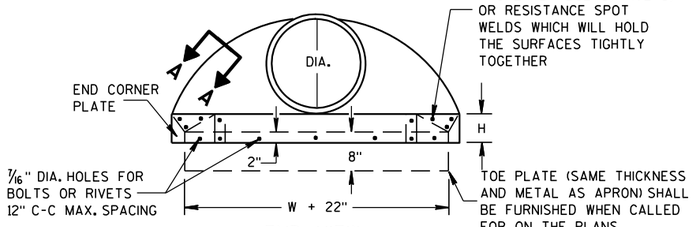
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

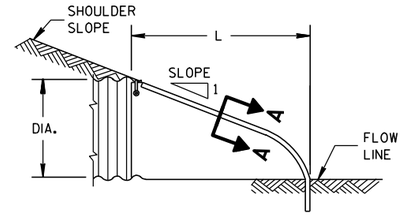
* MINIMUM
** MAXIMUM



PLAN VIEW

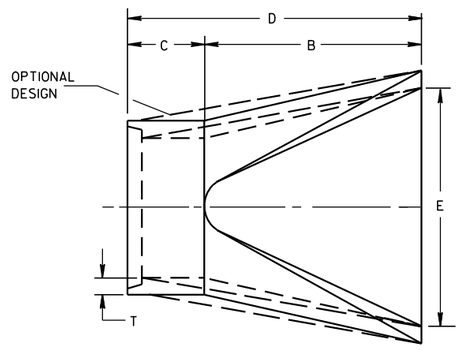


END VIEW

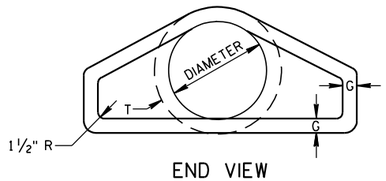


SIDE ELEVATION

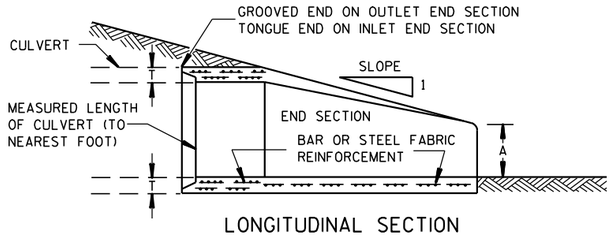
METAL ENDWALLS



PLAN

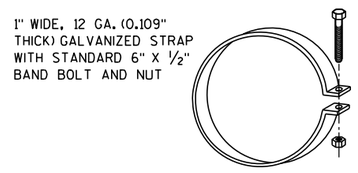


END VIEW



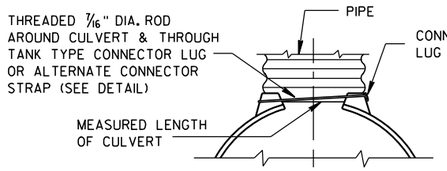
LONGITUDINAL SECTION

CONCRETE ENDWALLS

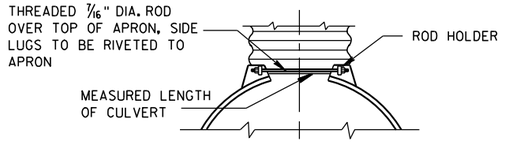


ALTERNATE FOR TYPE 1 CONNECTION

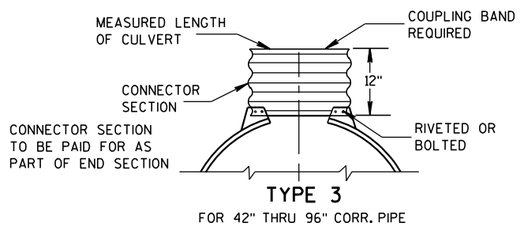
END SECTION CONNECTOR STRAP



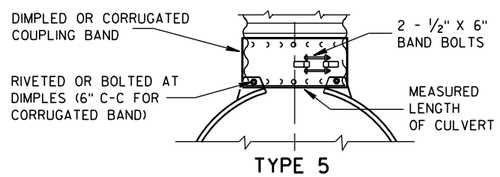
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

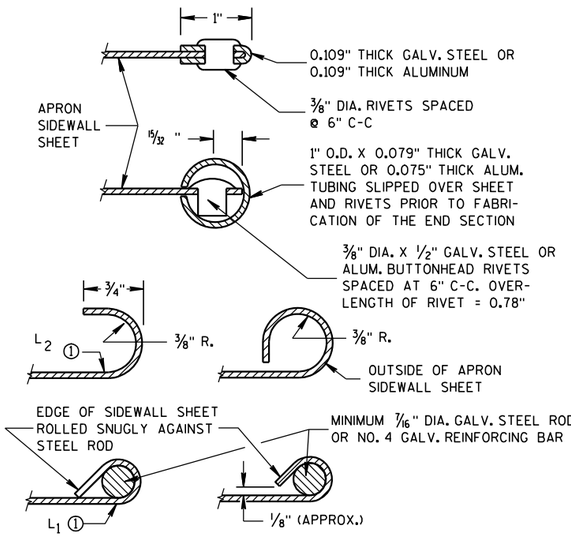
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

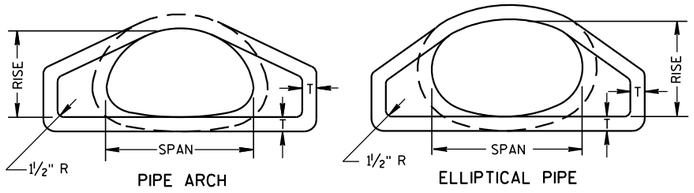
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

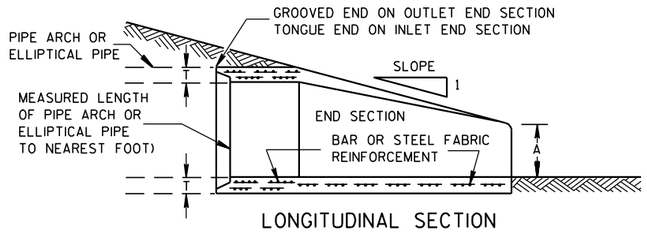
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

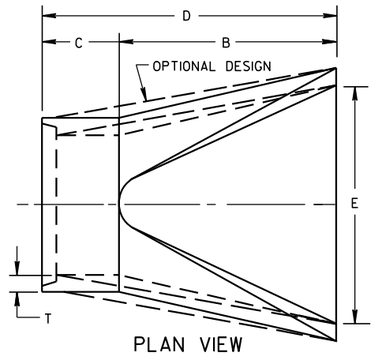
6
S.D.D. 8 F 1-11



END VIEW

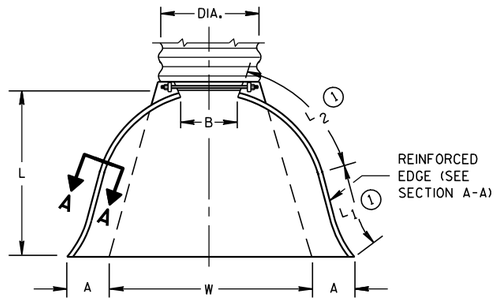


LONGITUDINAL SECTION

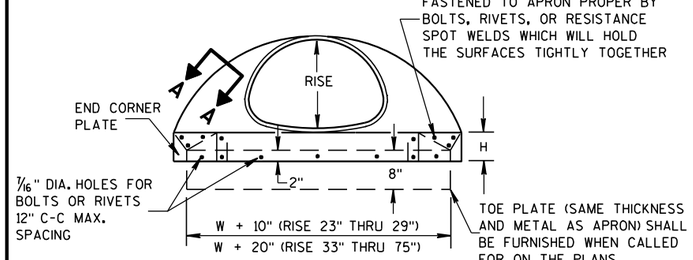


PLAN VIEW

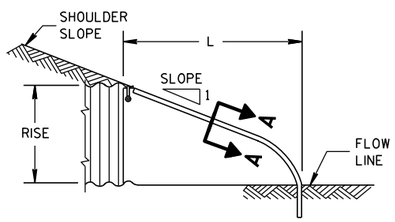
CONCRETE ENDWALLS



PLAN VIEW

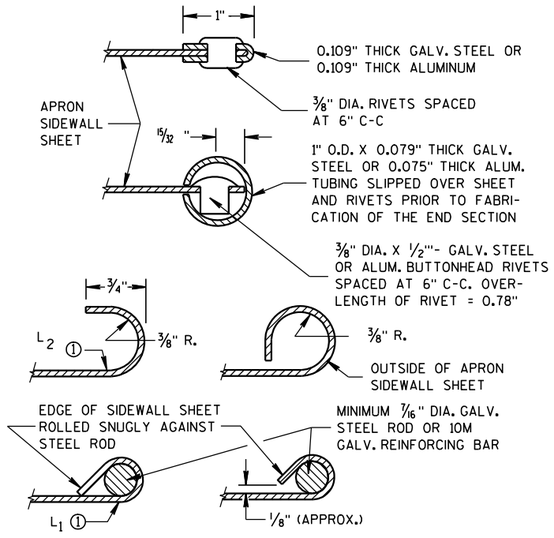


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

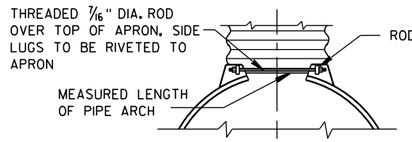
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

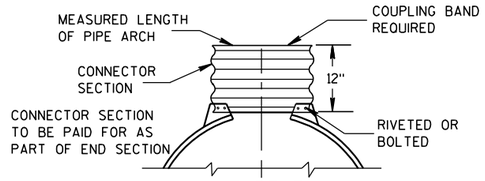
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



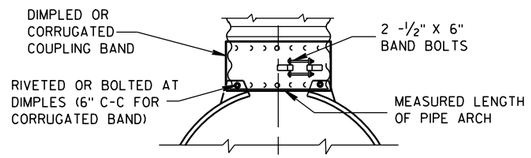
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

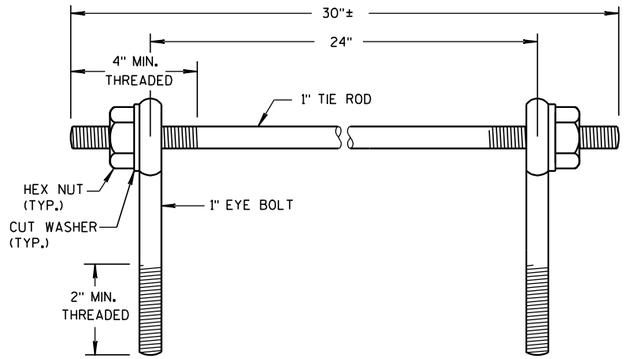
11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

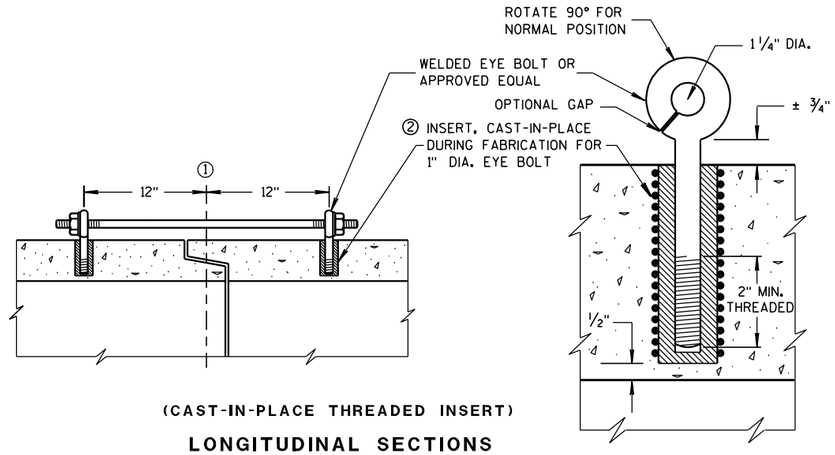
FHWA

6

S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

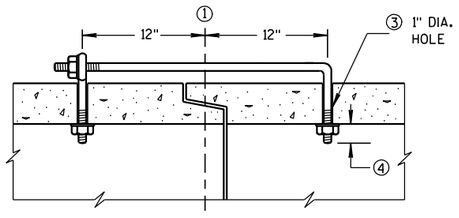
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

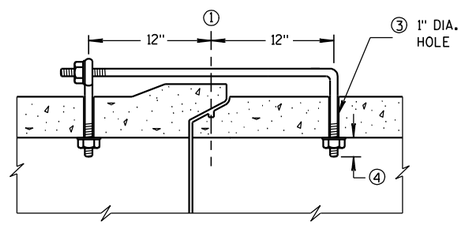
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

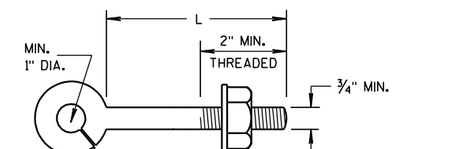


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

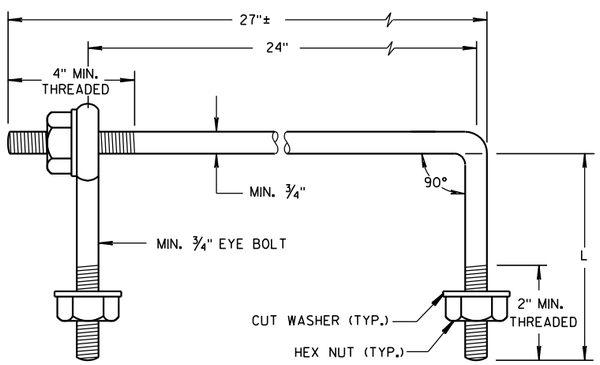
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

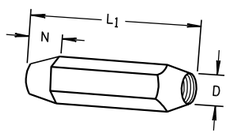
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



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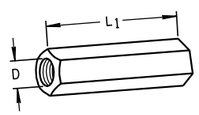
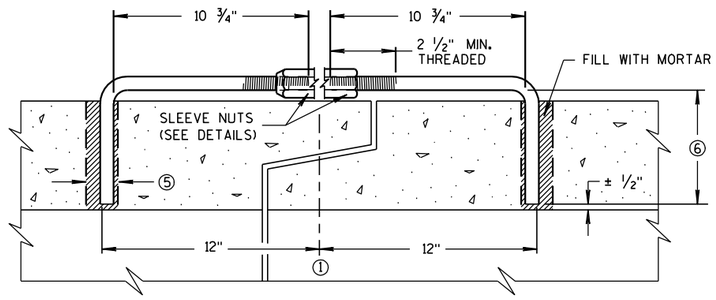


PLAIN

RIGHT AND LEFT THREADS

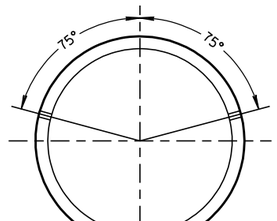
SLEEVE NUTS



LONGITUDINAL SECTION

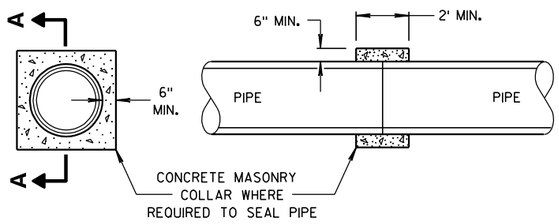
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

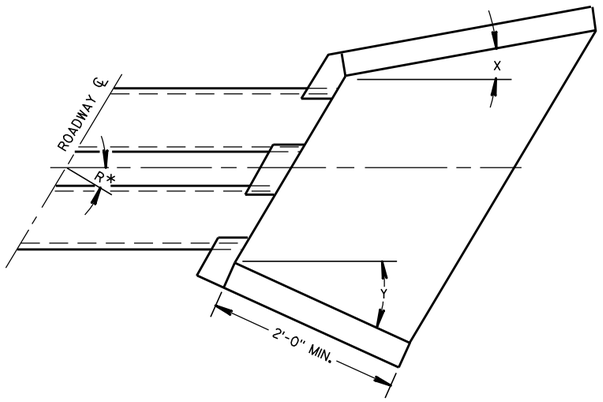
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
298
FHWA

6

S.D.D. 8 F 4-7



WINGWALL ANGLE DETAILS

INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	"	16 - 45°	10°	"
23 - 37°	20°	"	46 - 75°	5°	"
38 - 52°	15°	"	OVER 75°	0°	"
53 - 67°	10°	"			
68 - 82°	5°	"			
OVER 82°	0°	"			

*R = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

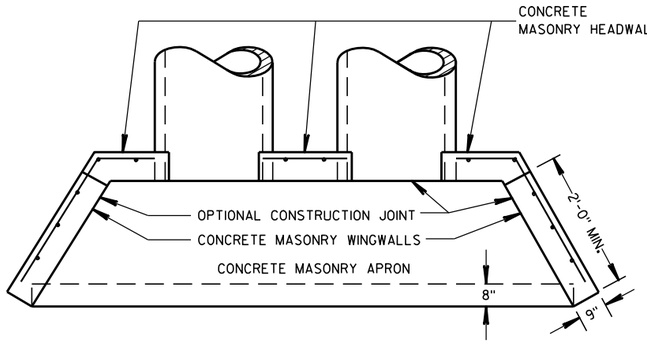
FILL SLOPES FLATTER THAN 2 ½:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.

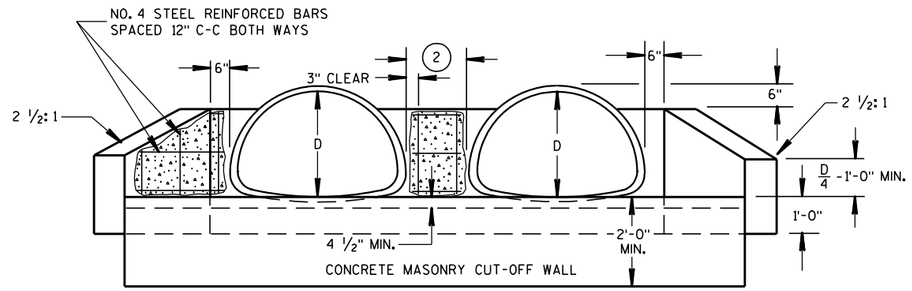
(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 48"	2'-0"
OVER 48" TO 72"	½ DIA. OR SPAN
OVER 72"	3'-0"



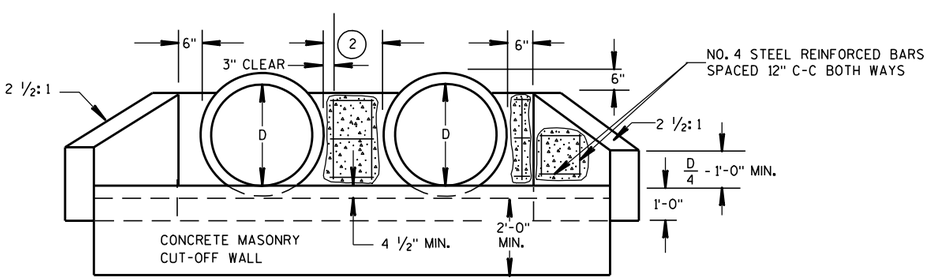
PLAN VIEW

CULVERT PIPE AND PIPE ARCH



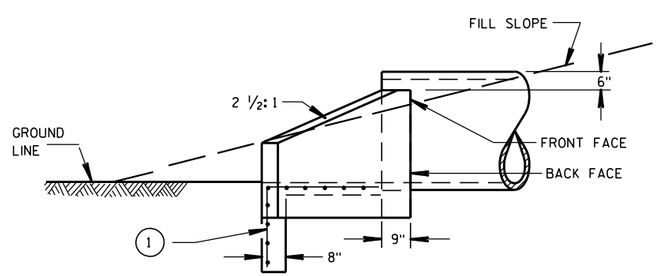
END ELEVATION

PIPE ARCH



END ELEVATION

CULVERT PIPE



SIDE ELEVATION

CULVERT PIPE AND PIPE ARCH

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/14/98 DATE

/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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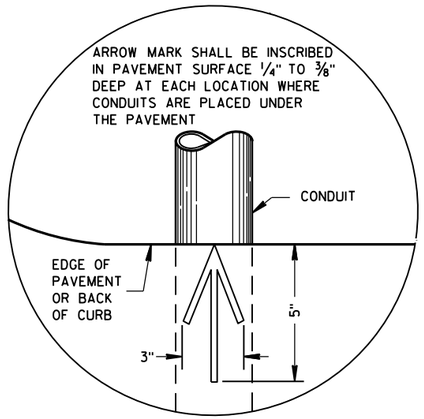
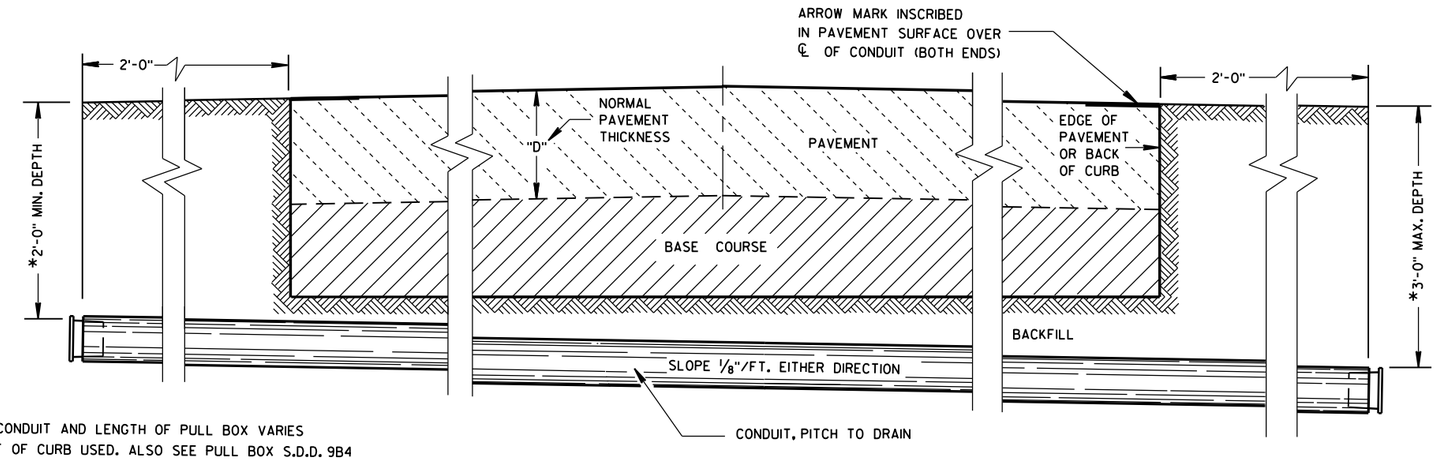


PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 300
FHWA

6

S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		NON-CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 1/2	22 1/2
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

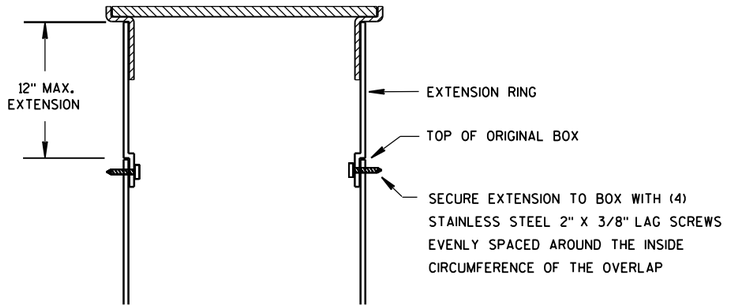
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

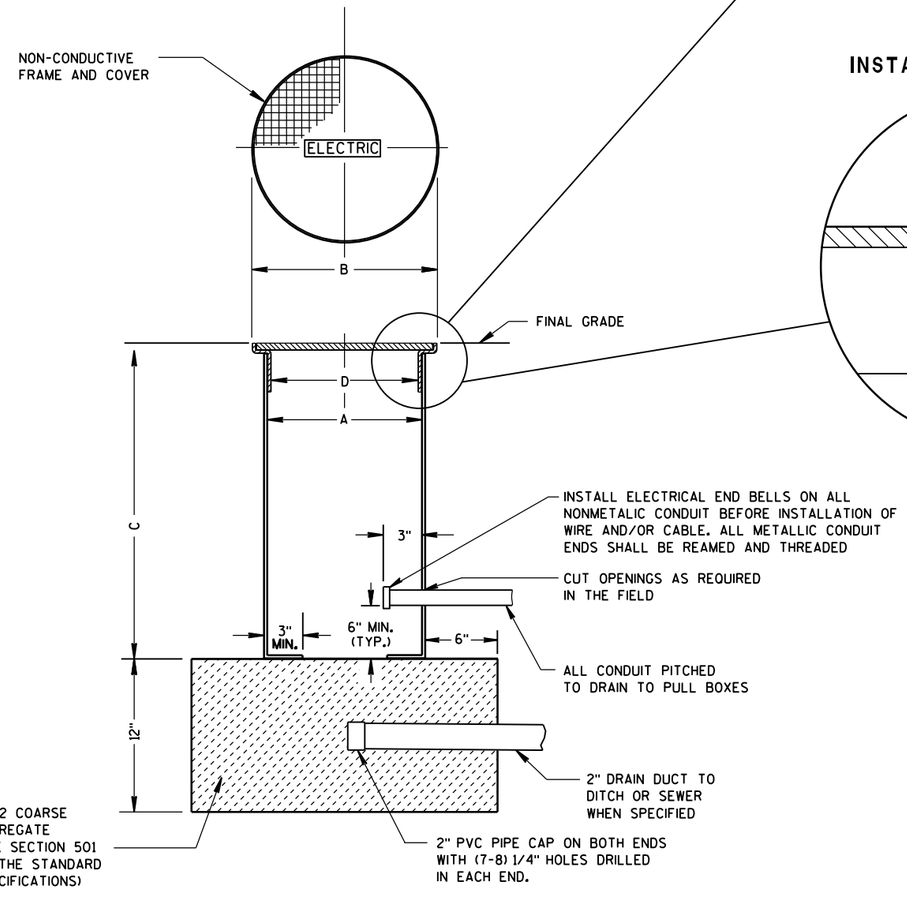
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.

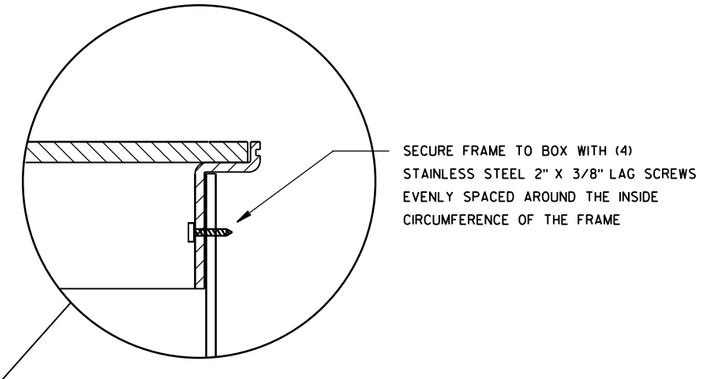


BOX EXTENSION

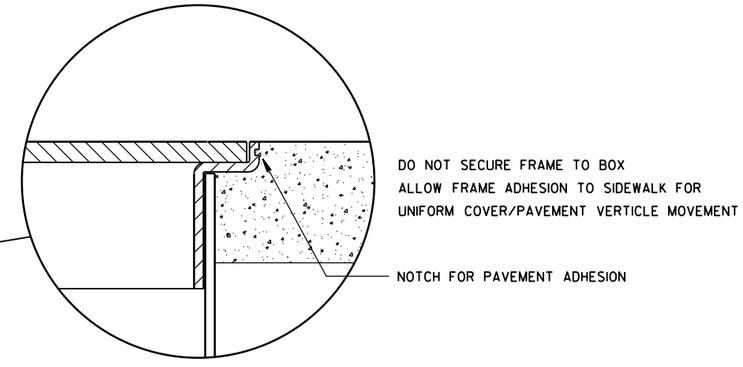


NON-CONDUCTIVE PULL BOX

INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



PULL BOX NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 B 16-1

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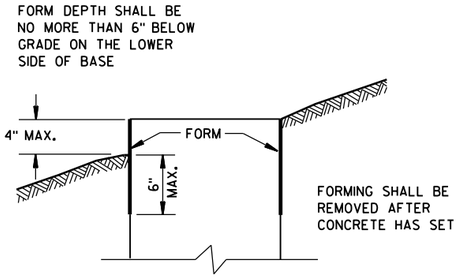
S.D.D. 9 B 16-1



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 1, TYPE 2, TYPE 5, AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(3) (4) 1" DIA. X 5'-0" ANCHOR RODS.

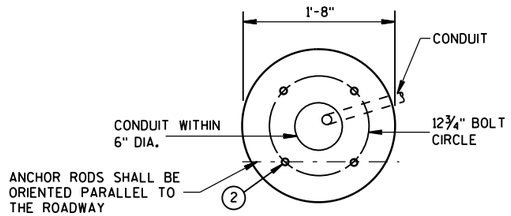
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

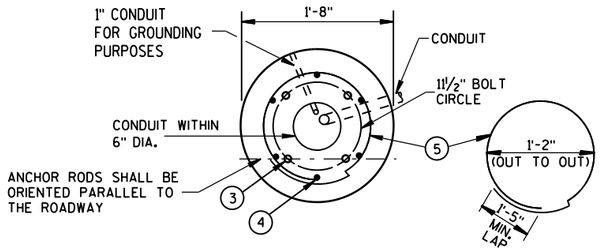
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

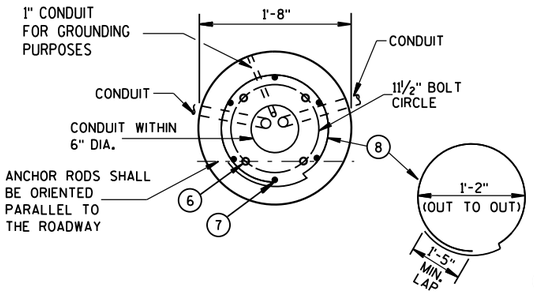
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

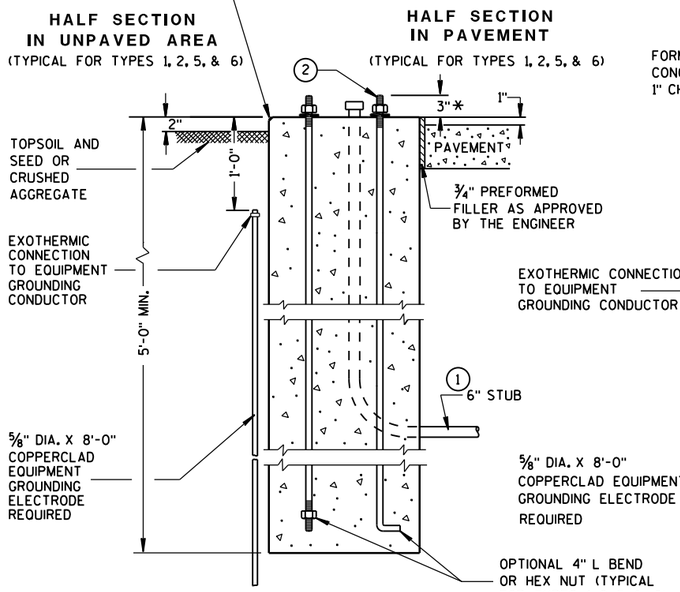
(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.



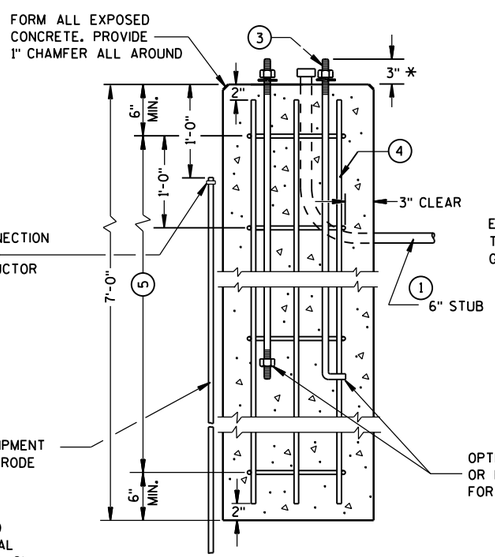




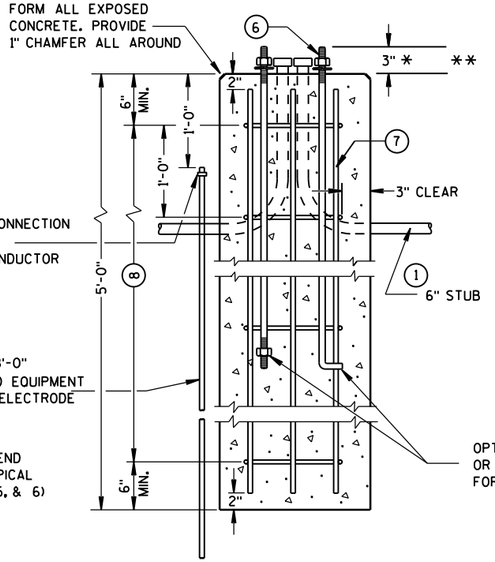
HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5, & 6)



HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5, & 6)



TYPE 2



TYPE 5 & 6

CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES, TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 C 2-7

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

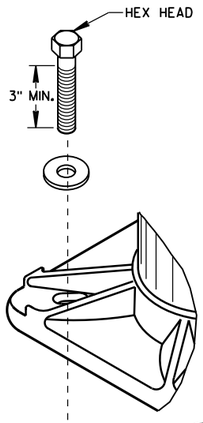
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

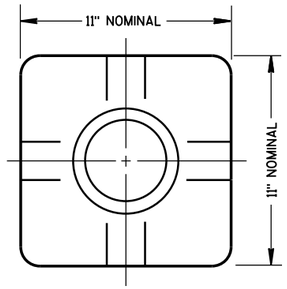
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

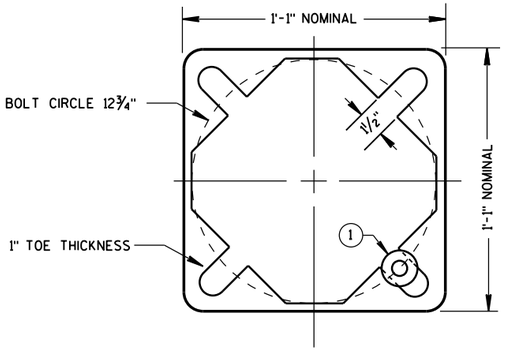
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

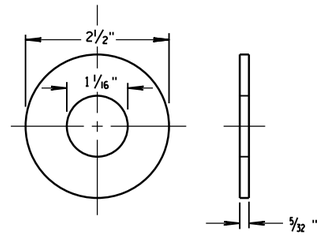




TOP VIEW
(PEDESTAL BASE)

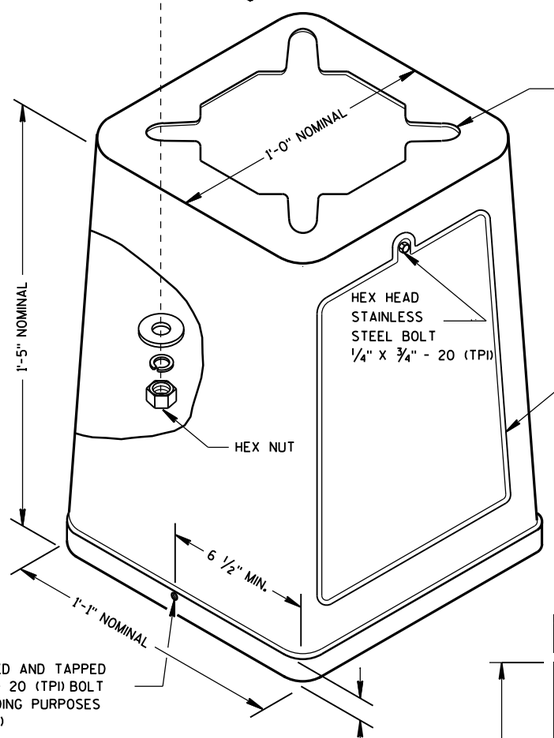


BOTTOM VIEW
(PEDESTAL BASE)

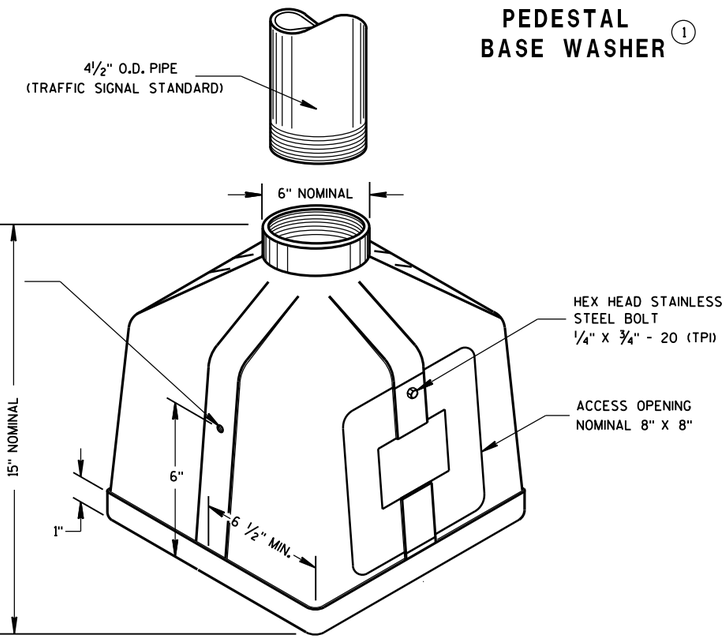


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

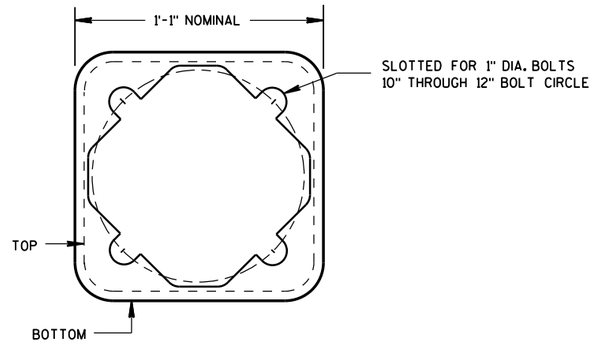


ISOMETRIC VIEW

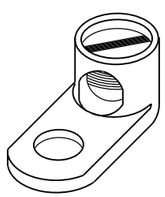


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

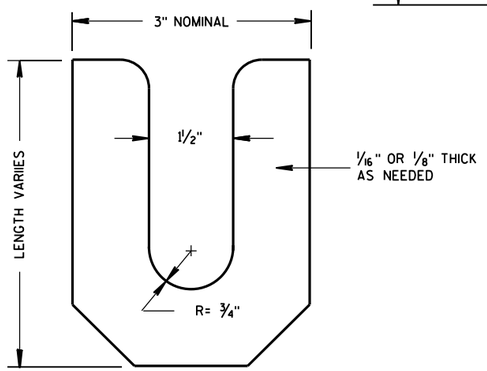


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 C 3-4

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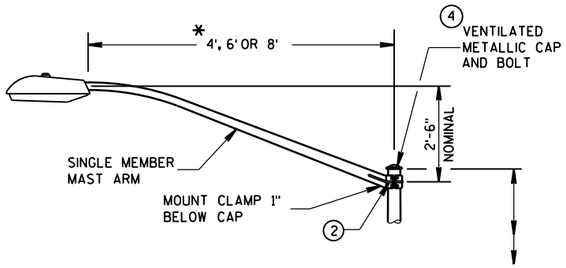
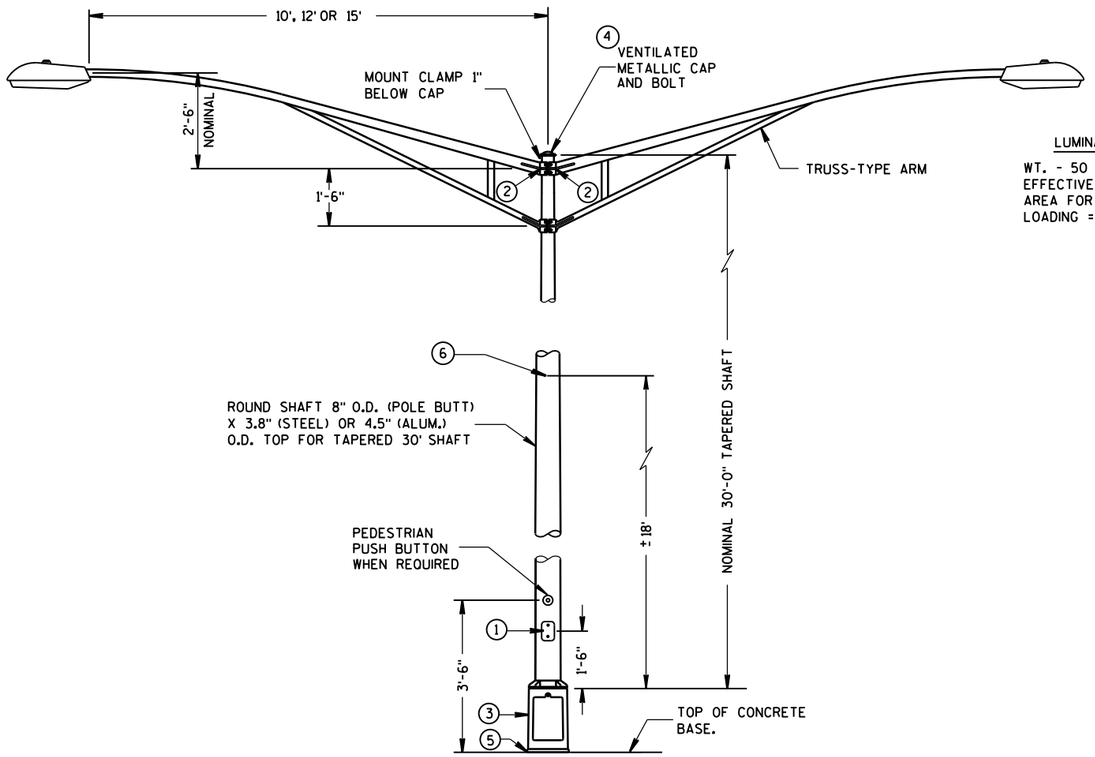
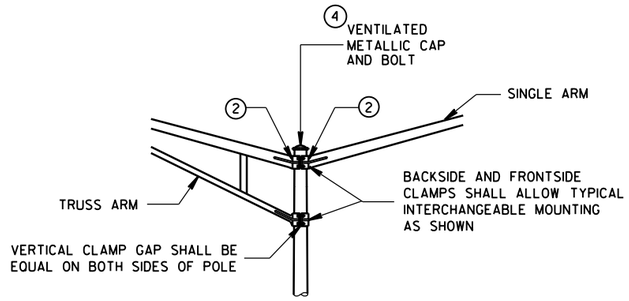
S.D.D. 9 C 3-4

*RISE FOR 4' ARM SHALL BE 2'-0".





TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY



INTERCHANGEABLE MOUNTING DETAIL

LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED
AREA FOR WIND
LOADING = 1.5 SQ. FT.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.188".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONEECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(6) INTERNAL DUMBBELL-TYPE VIBRATION DAMPER.

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S.D.D. 9 E 1-14d

POLE MONTINGS FOR
LIGHTING UNITS, TYPE 5
(30 FEET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 9 E 1-14d

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		COMMUNICATIONS VAULT
VAULT DIAMETER (INSIDE) **	A	36
VAULT OVERALL OUTSIDE DIAMETER	B	39
VAULT LENGTH	C	42
FRAME OPENING	D	34 1/2
WEIGHT IN POUNDS *		
COVER		95
VAULT ONLY		85

* THE ACTUAL WEIGHT OF THE COVER AND VAULT MAY VARY NOT TO EXCEED 100 LBS FOR THE COVER AND 100 LBS FOR THE VAULT ONLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL VAULTS, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER.

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

COVER SHALL BE MAGNETICALLY LOCATABLE.

VAULTS AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

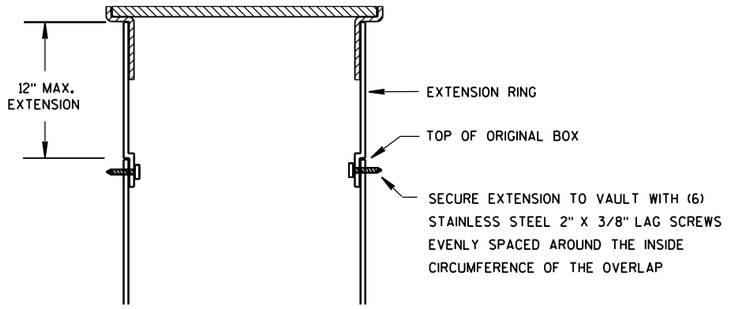
ENTRANCE HOLES INTO VAULT SHALL BE FIELD CUT AT TIME OF PLACEMENT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL CABLE IN ANY VAULT UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

VAULT EXTENSION MAY ONLY BE USED IF DIRECTED BY THE ENGINEER.

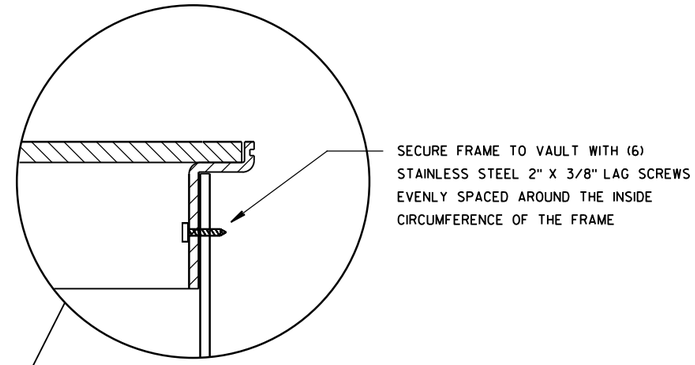
CABLE SUPPORT BRACKETS SHALL BE STAINLESS STEEL AND FASTENED TO THE SIDE WALL WITH 3/8" STAINLESS STEEL BOLT AND NUT. BRACKETS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER.

FIBER TRACER MARKER POSTS SHALL BE CONSTRUCTED WITH HIGH-IMPACT PLASTIC MATERIAL WHICH IS FADE RESISTANT AND UV STABLE. ALL HARWARE SHALL BE STAINLESS STEEL AND CONTAIN A MINIMUM OF FIVE STANDARD TERMINALS.

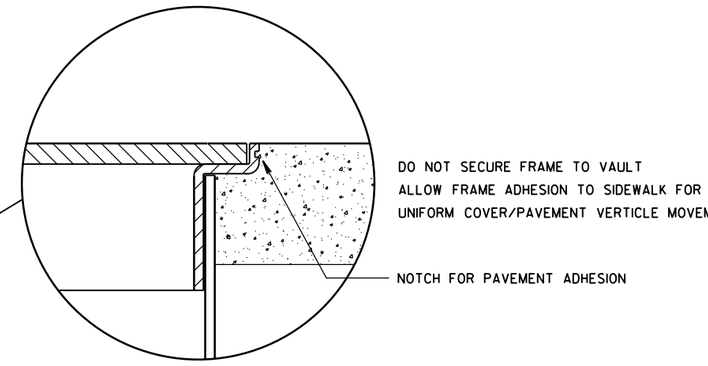


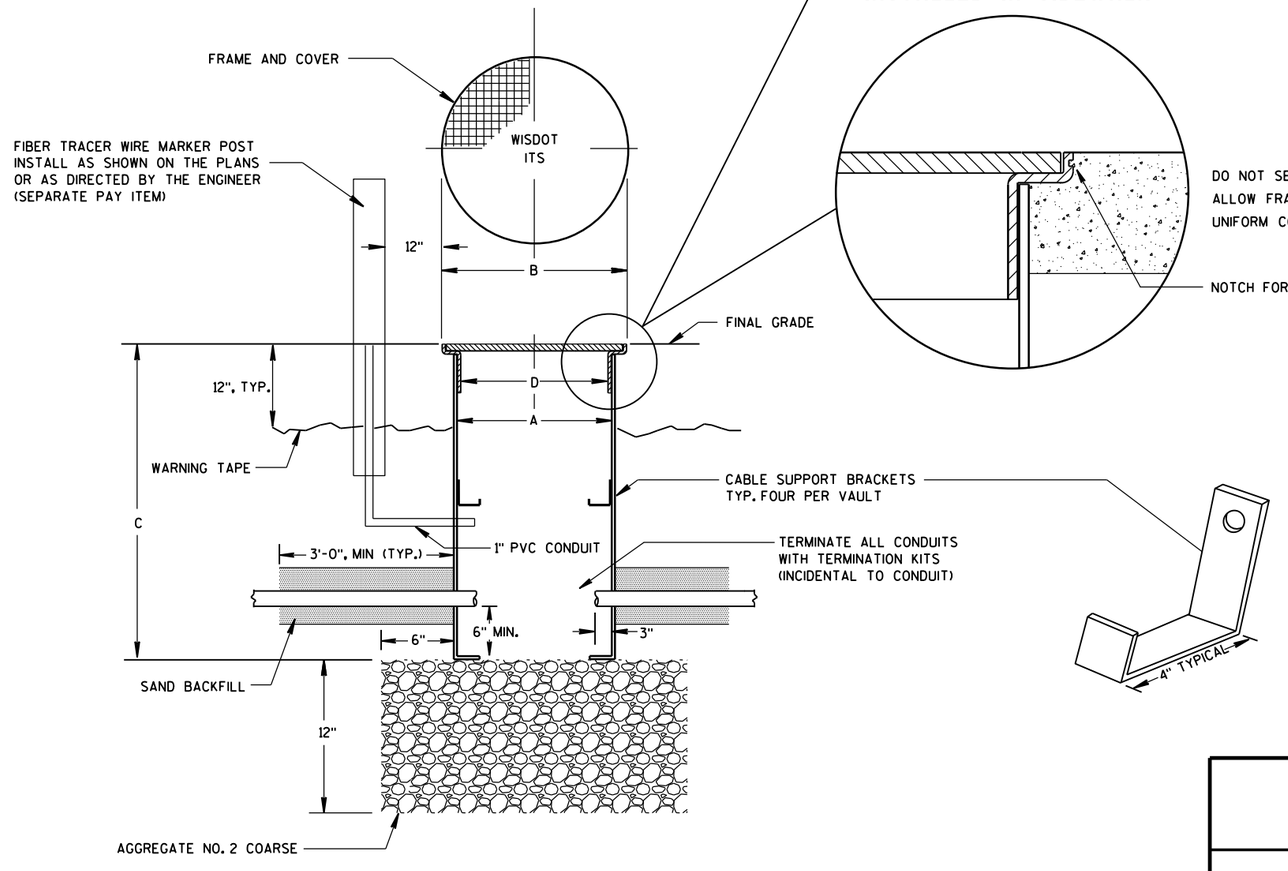
VAULT EXTENSION

INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK





ROUND COMMUNICATIONS VAULT

COMMUNICATION VAULT TYPE - ROUND

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/Ahmet Demirbilek — STATE ELECTRICAL 305
FHWA

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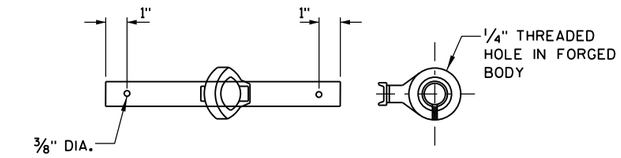
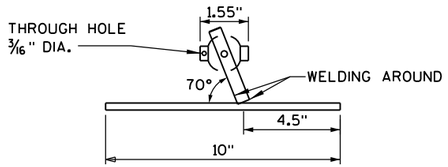
S.D.D. 9 H 10-1

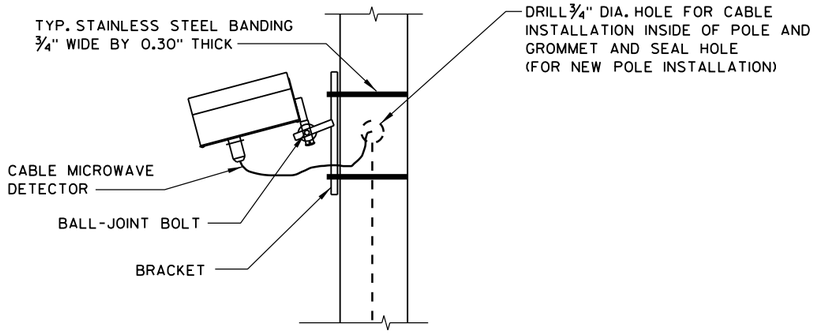


TOP VIEW

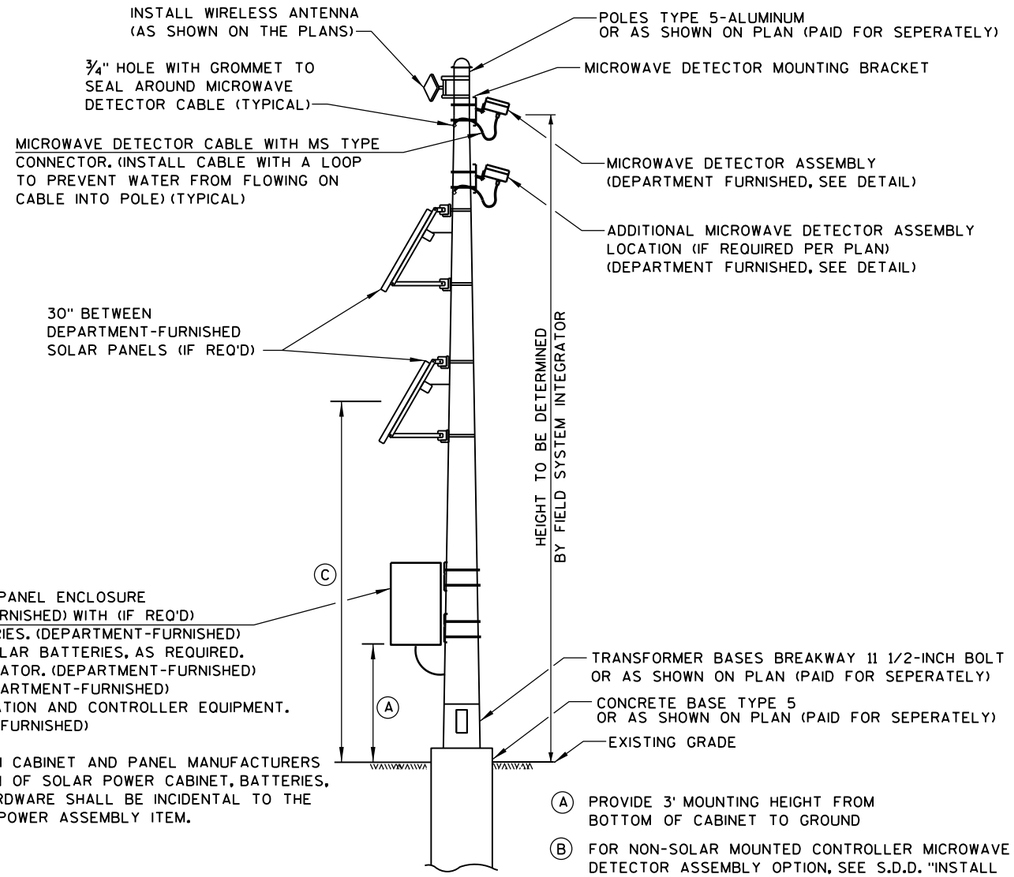


SIDE VIEW

MICROWAVE DETECTOR MOUNTING BRACKET DETAIL



TYPICAL MOUNTED CONTROLLER MICROWAVE DETECTOR ASSEMBLY INSTALLATION DETAIL



(B) INSTALL SOLAR PANEL ENCLOSURE (DEPARTMENT-FURNISHED) WITH (IF REQ'D)
- SOLAR BATTERIES. (DEPARTMENT-FURNISHED)
- ADDITIONAL SOLAR BATTERIES, AS REQUIRED.
- CHARGE REGULATOR. (DEPARTMENT-FURNISHED)
- INVERTER. (DEPARTMENT-FURNISHED)
- ITS COMMUNICATION AND CONTROLLER EQUIPMENT. (DEPARTMENT-FURNISHED)

COORDINATE WITH CABINET AND PANEL MANUFACTURERS ON INSTALLATION OF SOLAR POWER CABINET, BATTERIES, AND PANELS. HARDWARE SHALL BE INCIDENTAL TO THE INSTALL SOLAR POWER ASSEMBLY ITEM.

(A) PROVIDE 3' MOUNTING HEIGHT FROM BOTTOM OF CABINET TO GROUND

(B) FOR NON-SOLAR MOUNTED CONTROLLER MICROWAVE DETECTOR ASSEMBLY OPTION, SEE S.D.D. "INSTALL MOUNTED CABINET ON POLES"

(C) PROVIDE 15' MOUNTING HEIGHT (MIN.) FROM SOLAR PANEL TO GROUND

MICROWAVE DETECTOR ASSEMBLY

6

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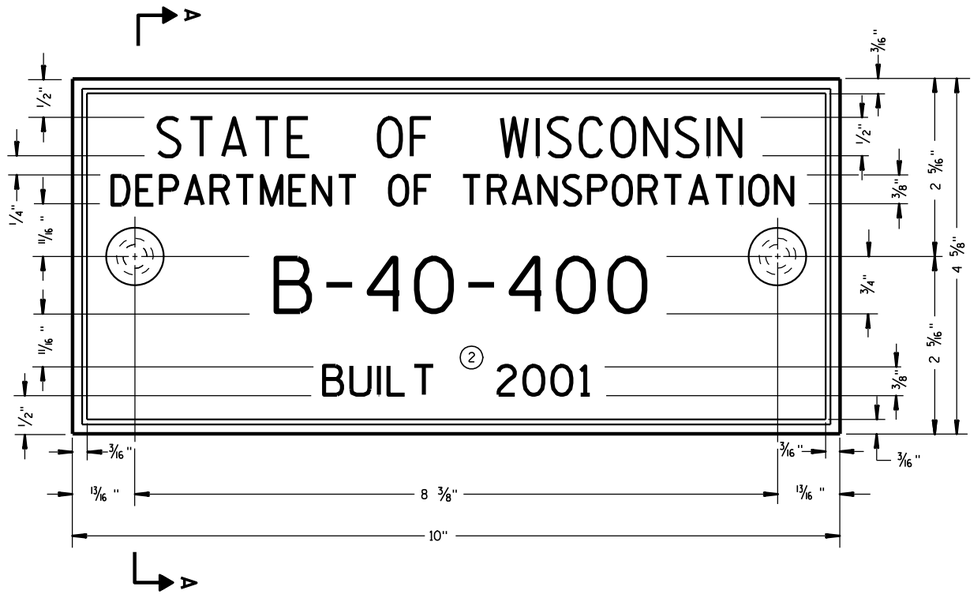
S.D.D. 9 H 15-1

S.D.D. 9 H 15-1

MOUNTED CONTROLLER MICROWAVE DETECTOR ASSEMBLY INSTALLATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

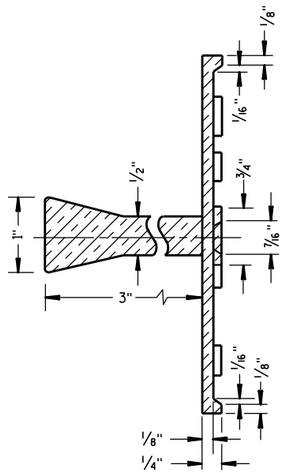
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

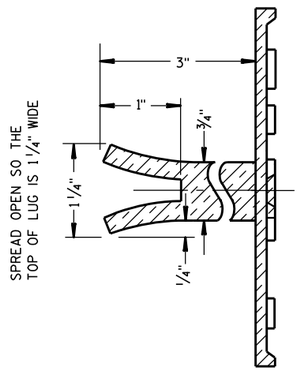
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

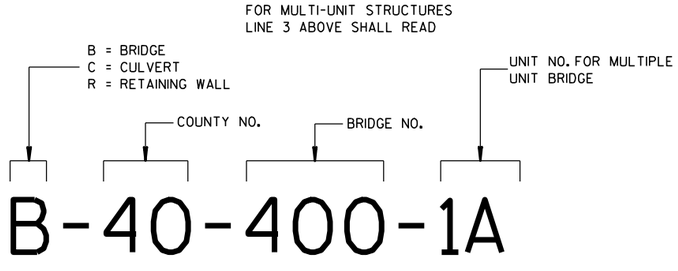
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



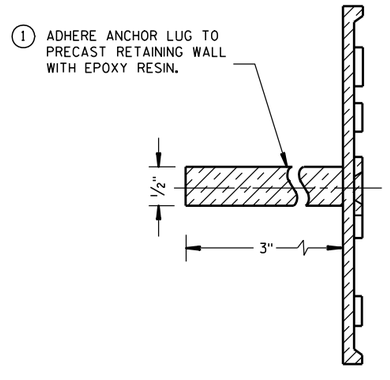
SECTION A-A



ALTERNATE LUG



NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE

/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOP ENGINEER

FHWA

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S.D.D. 12 A 3-10

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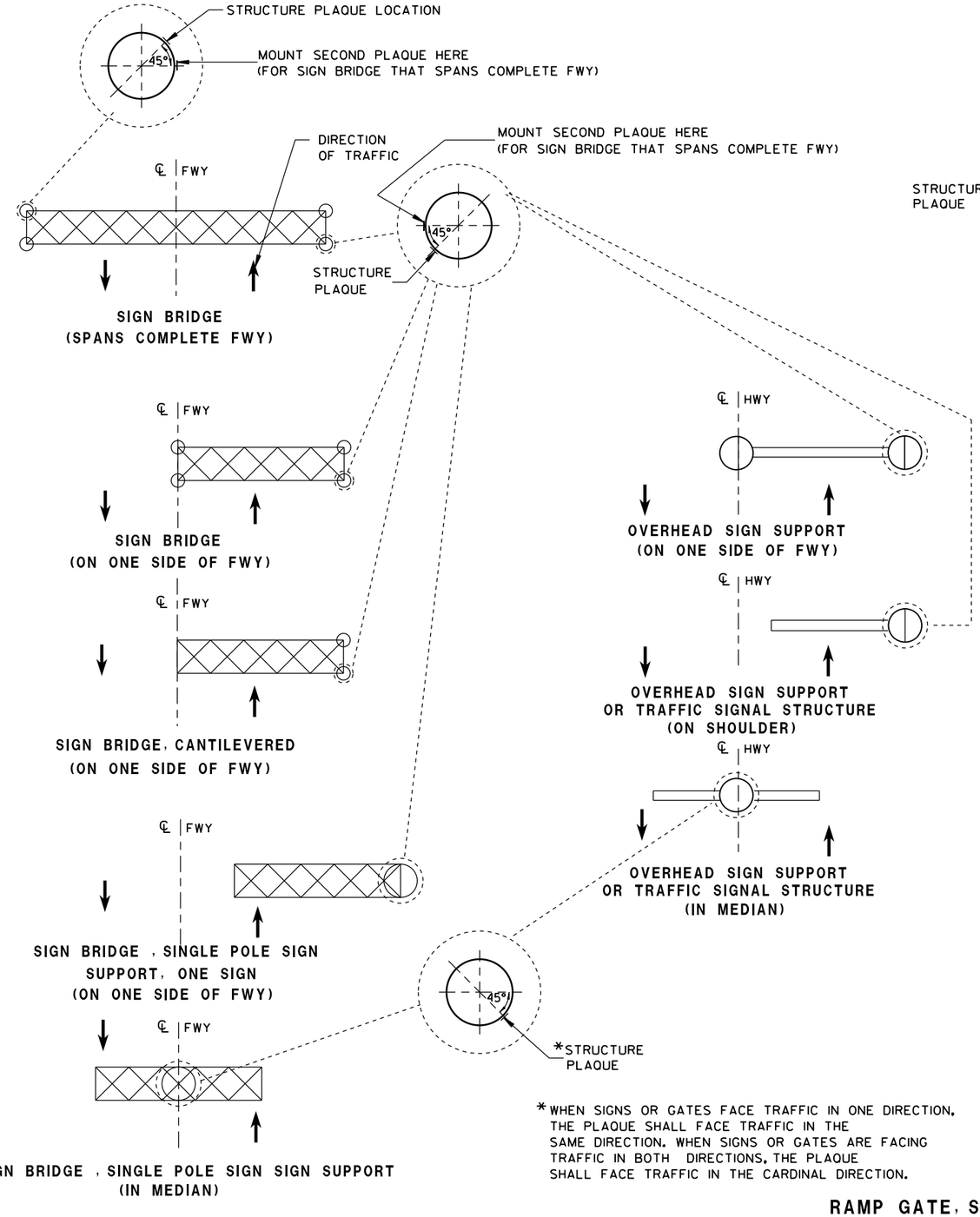
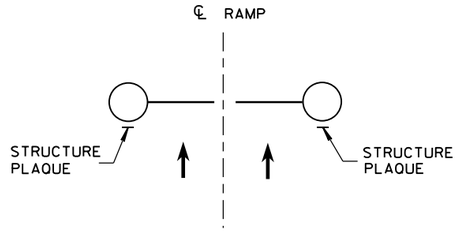
S.D.D. 12 A 3-10

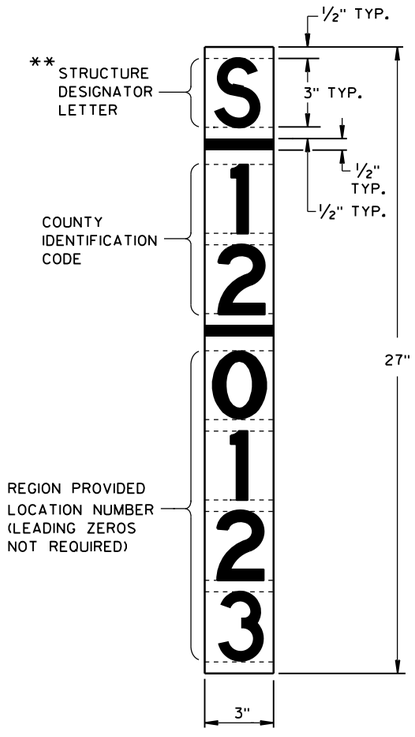


* WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



**RAMP GATE
(ACROSS FWY ON-RAMP)**



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

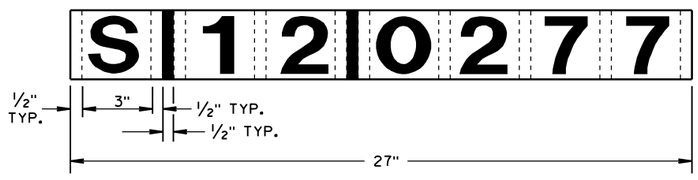
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER

FHWA

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S.D.D. 12 A 4-3

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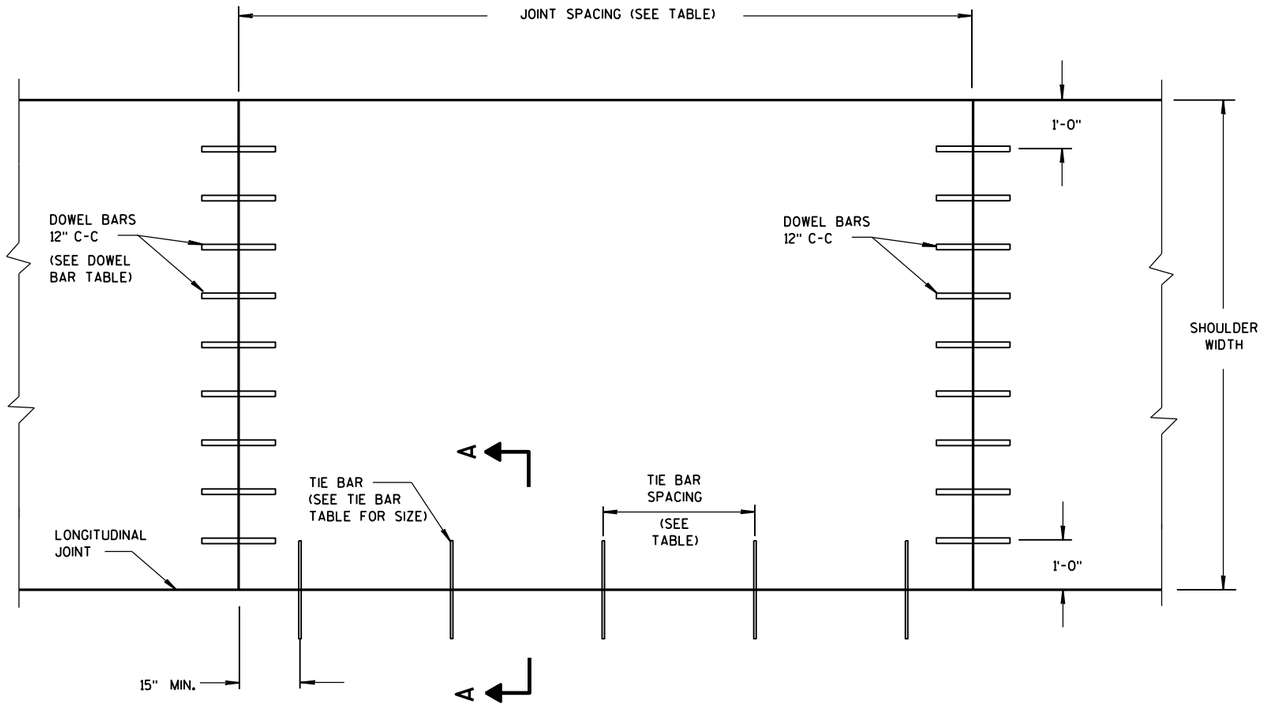
S.D.D. 12 A 4-3



PLAN VIEW

CONCRETE PAVEMENT SHOULDER

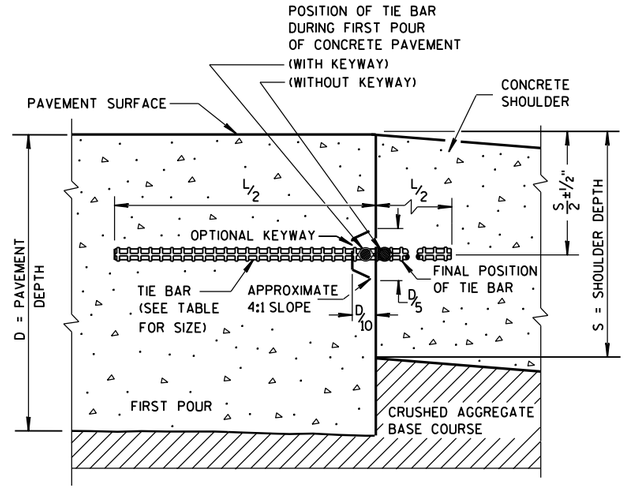
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRANSVERSE JOINT DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

FINISH THE SHOULDER PAVEMENT CONFORMING TO SUBSECTION 415.3.8 OF THE STANDARD SPECIFICATIONS.

TIE BARS SHALL CONFORM TO SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.



SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER***	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'

*** FOR DOWELED CONCRETE SHOULDERS WITH TRAPEZOIDAL CROSS SECTIONS, CHOSE THE APPROPRIATE DOWEL BAR DIAMETER BASED ON THE SMALLER PAVEMENT DEPTH (LIKELY THE OUTSIDE EDGE OF THE SHOULDER). IF USING BASKETS, USE BASKETS FOR THE AVERAGE THICKNESS OF THE CROSS SECTION.

CONCRETE PAVEMENT SHOULDERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPER
FHWA

6

S.D.D. 13 A 3-6

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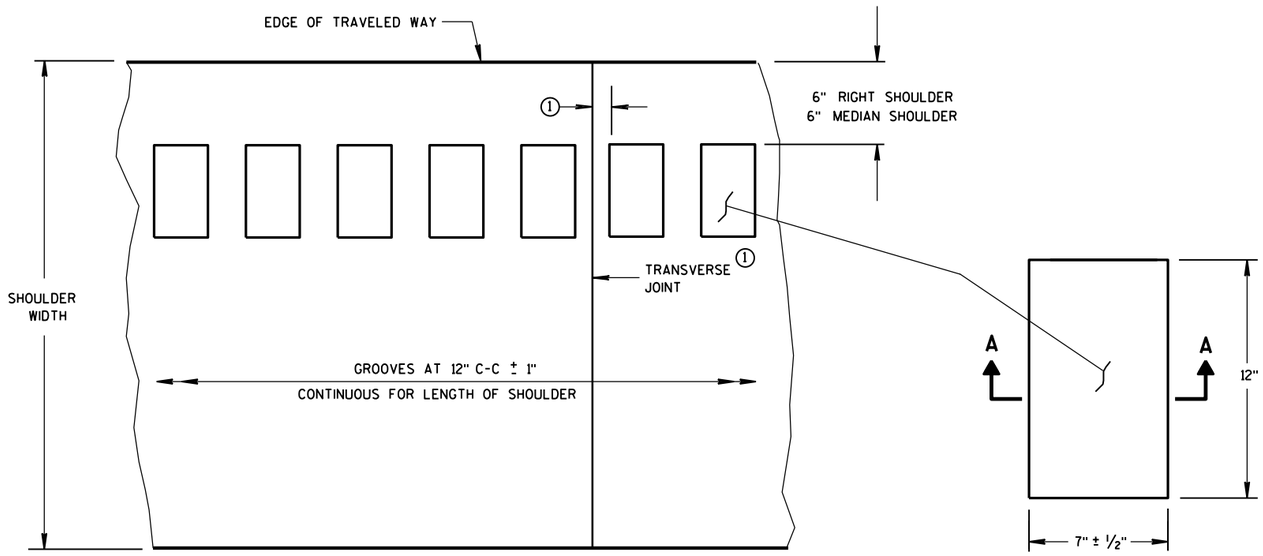
S.D.D. 13 A 3-6



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

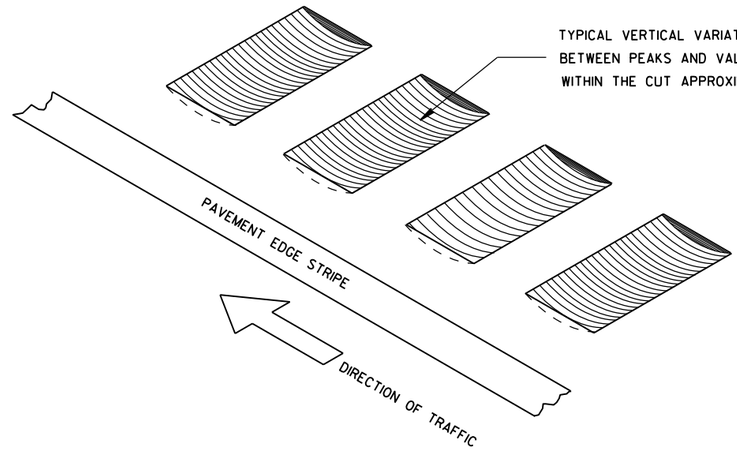
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

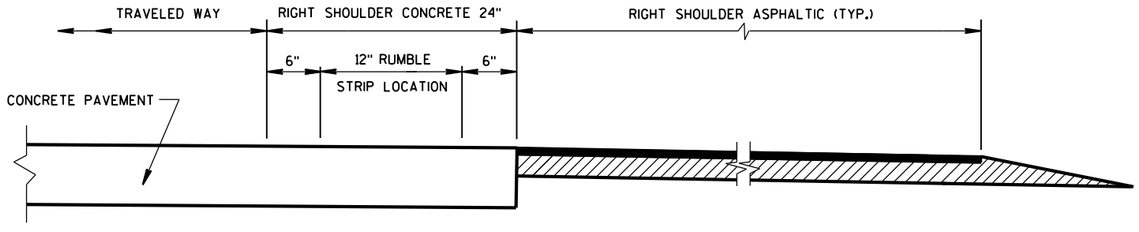
RUMBLE STRIPS ON EXPRESSWAYS

DO NOT INSTALL RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL DRIVEWAYS, PRIVATE DRIVEWAYS OR ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, BRIDGE DECKS, BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSING. THE ATTACHED STANDARD DETAIL DRAWING SHOWS THE LOCATION OF THE RUMBLE STRIPS AT INTERCHANGE AREAS.

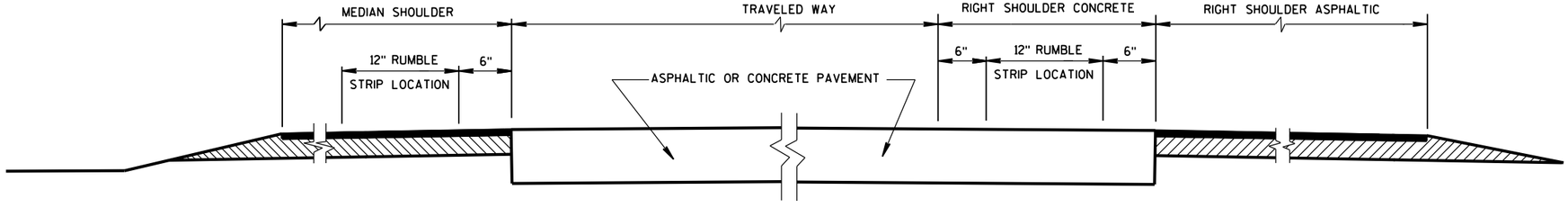
(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



ISOMETRIC



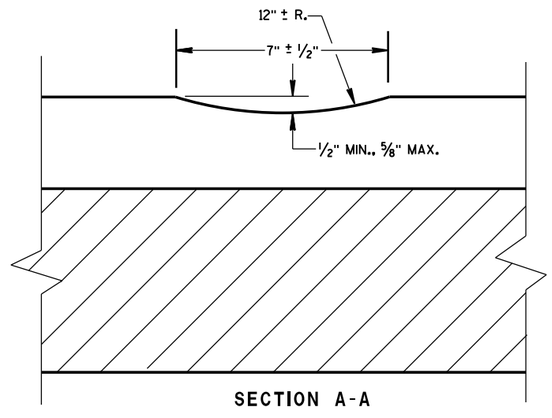
SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION VIEW

TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS IN RURAL DIVIDED HIGHWAYS

(ONE ROADWAY IS SHOWN)



SECTION A-A

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 13 A 5-5a

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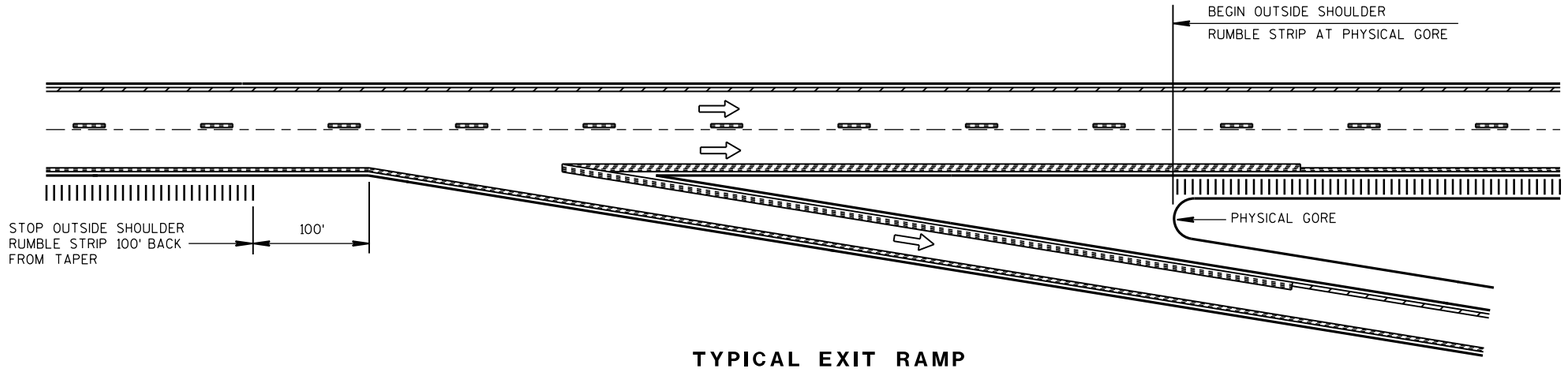
S.D.D. 13 A 5-5a



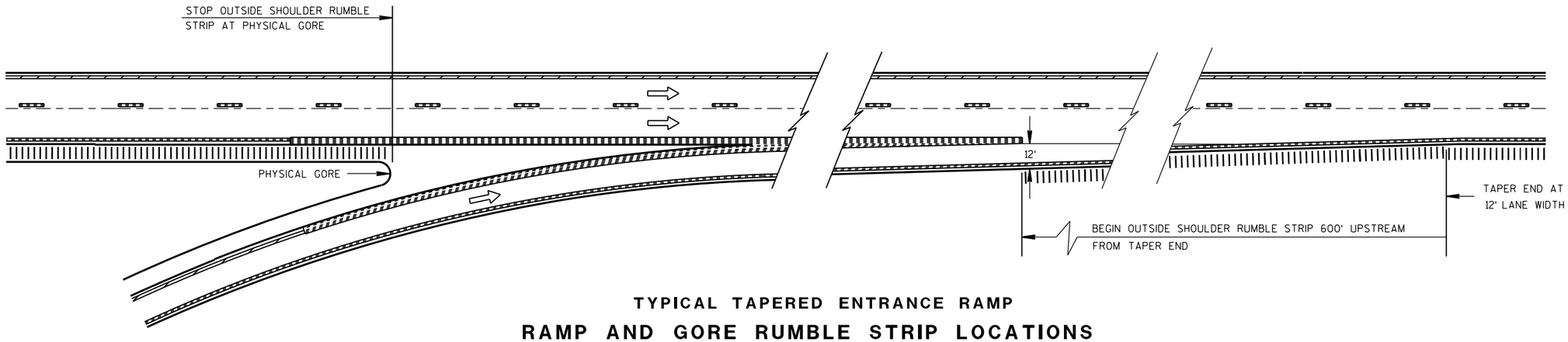
TYPICAL EXIT RAMP

NOTES:

NO RUMBLE STRIP ON EXIT, DIRECTIONAL, OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

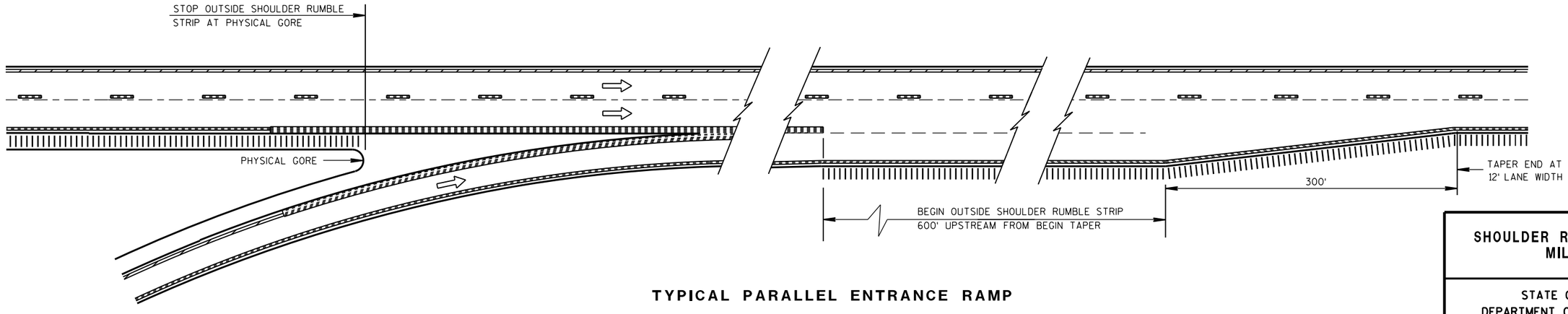
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TYPICAL TAPERED ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS



TYPICAL PARALLEL ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/17/2012
DATE

/S/ Jerry H. Zoga
ROADWAY STANDARDS ENGINEER

FHWA

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S.D.D. 13 A 5-5b

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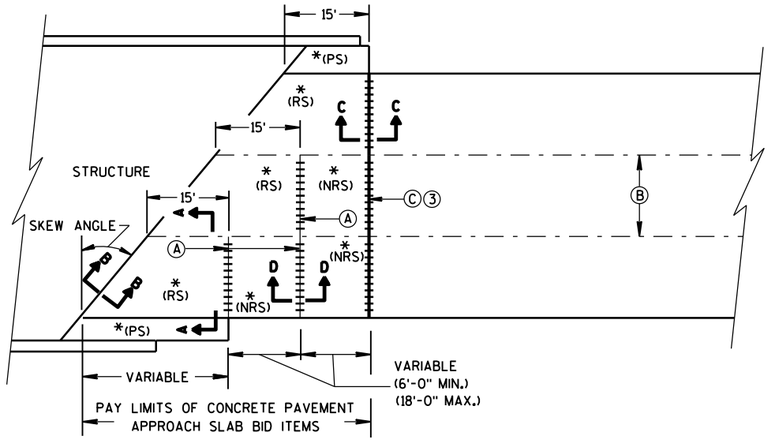
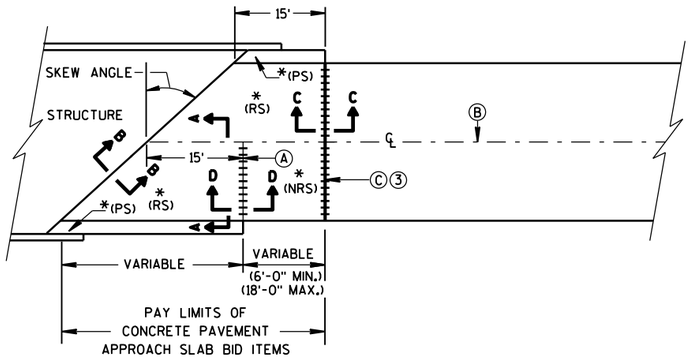
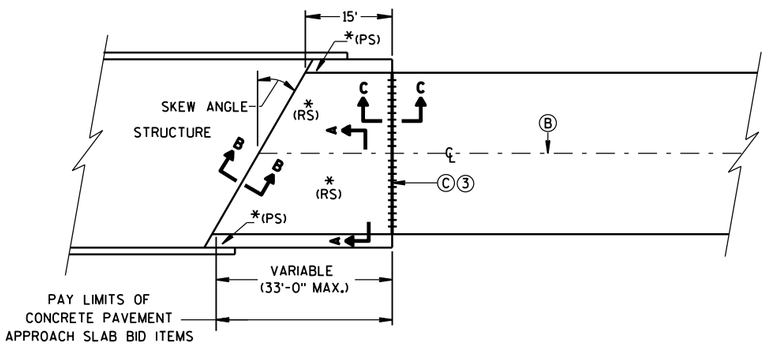
S.D.D. 13 A 5-5b



SKEWED APPROACH
(PAVEMENT MORE THAN 2 LANES)



SKEWS >20°
(PAVEMENT WIDTH ≤30')



SKEWS ≤20°
(PAVEMENT WIDTH ≤30')

APPROACH SLAB AND ADJACENT PAVEMENT

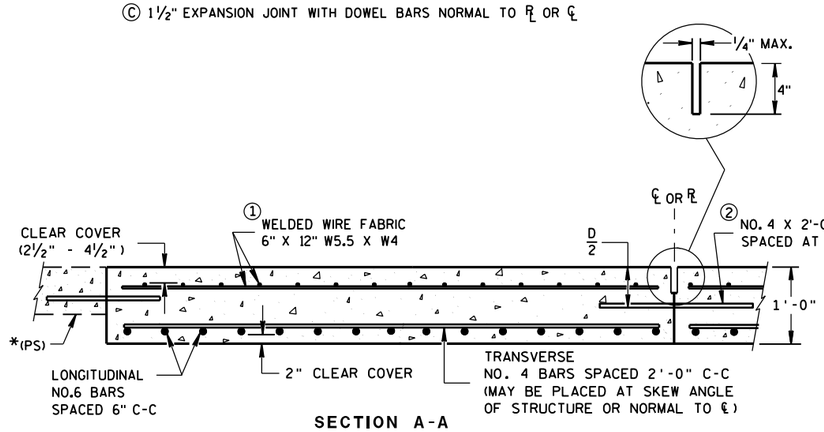
*(RS) = REINFORCED CONCRETE SLAB
*(PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB
(SEE DETAILS ELSEWHERE IN THE PLAN)
*(NRS) = NON-REINFORCED CONCRETE SLAB

***STANDARD DOWEL BAR DIAMETER
(SEE SDD 13C11, & SDD 13C13)

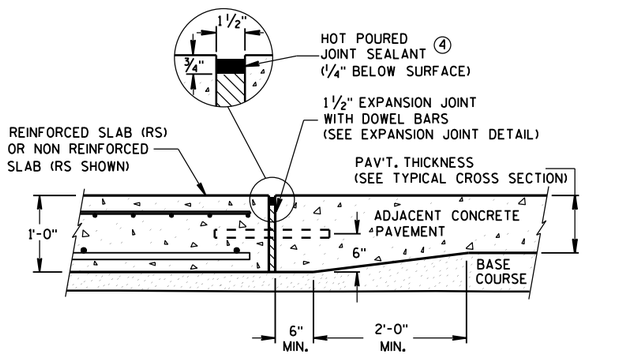
Ⓐ STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℄

Ⓑ STANDARD LONGITUDINAL JOINT WITH TIE BARS.

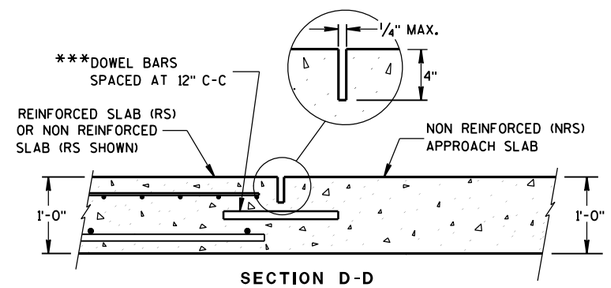
Ⓒ 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄



SECTION A-A
REINFORCEMENT POSITIONING DETAIL



SECTION C-C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT



SECTION D-D
CONTRACTION JOINT

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

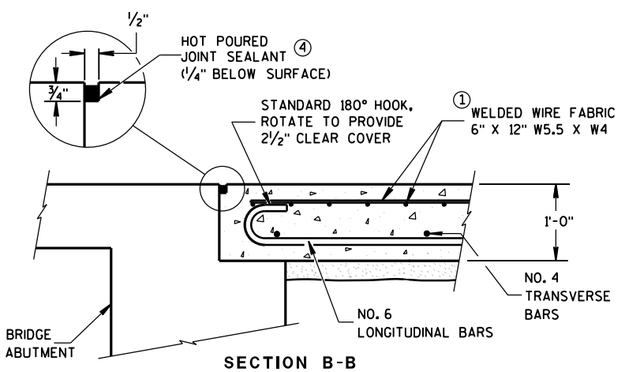
① THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2'-0" C-C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

② THE CONTRACTOR MAY OMIT TIE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

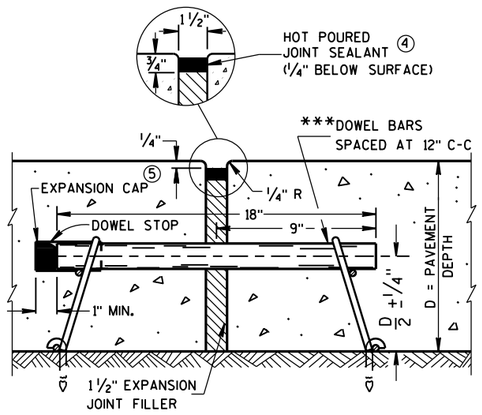
③ DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

④ USE A JOINT SEALANT MEETING THE REQUIREMENTS OF ASTM D6690.

⑤ PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.



SECTION B-B
BEND DETAIL
BOTTOM REINFORCEMENT



EXPANSION JOINT DETAIL

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPER
FHWA

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S.D.D. 13 B 2-8a

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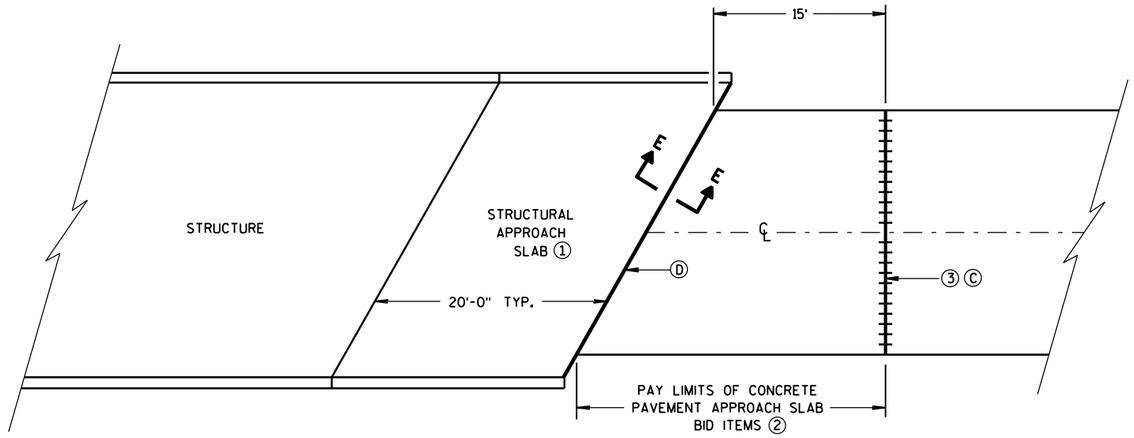
S.D.D. 13 B 2-8a

BRIDGE APPROACHES



GENERAL NOTES

ALL PROJECTS THAT INVOLVE A STRUCTURAL APPROACH SLAB WILL ALSO HAVE A CONCRETE PAVEMENT APPROACH SLAB.

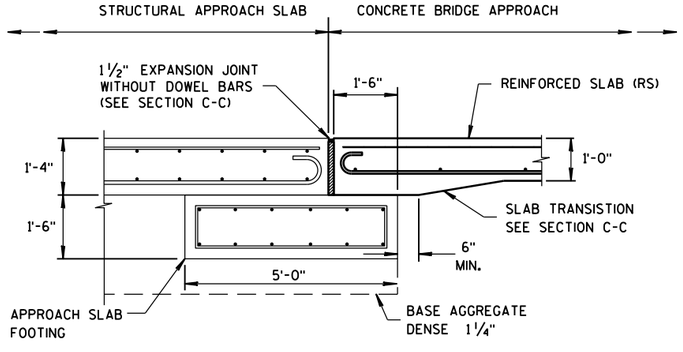
① SEE BRIDGE PLAN.

② CONFORM TO SHEET 13 B 2(A) FOR CONCRETE PAVEMENT APPROACH SLAB DETAILS.

③ DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

Ⓒ 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄

Ⓓ 1½" EXPANSION JOINT (NO DOWELS)



SECTION E-E

FOOTING DETAIL

STRUCTURAL APPROACH SLAB TO CONCRETE BRIDGE APPROACH

STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPERV
FHWA

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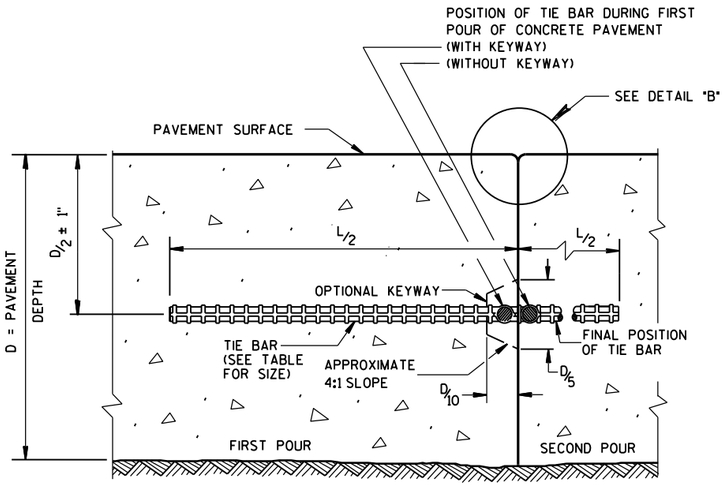
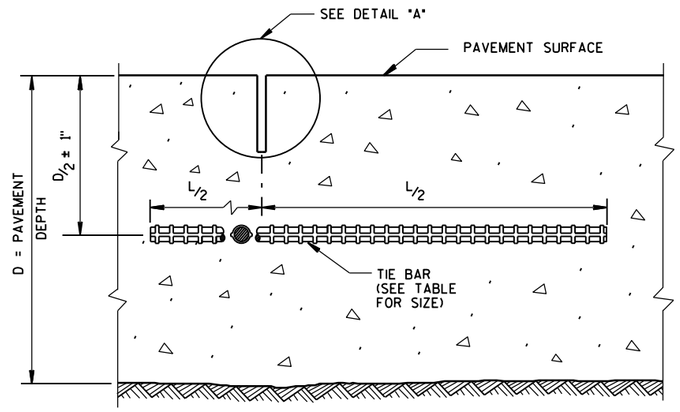
S.D.D. 13 B 2-8b

S.D.D. 13 B 2-8b



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

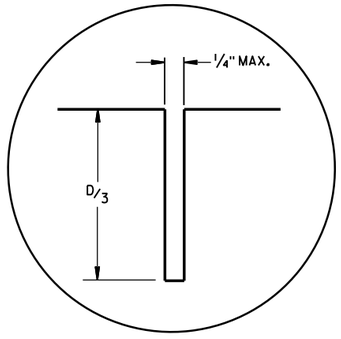
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

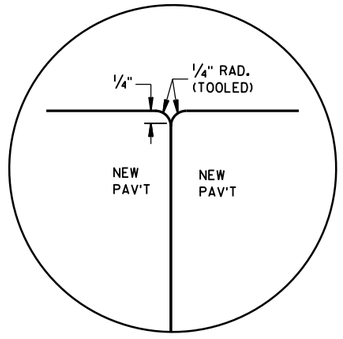
(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

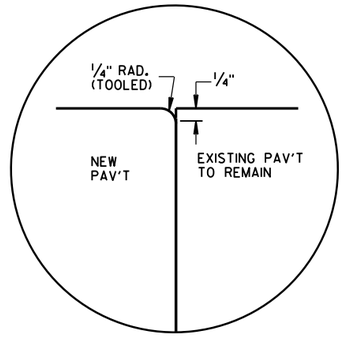
SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



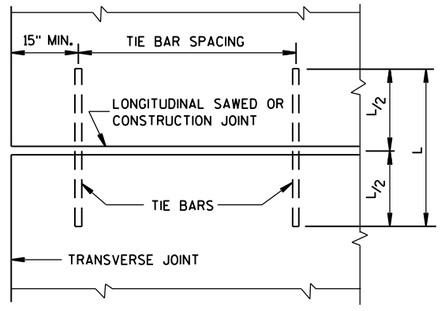
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPER
FHWA

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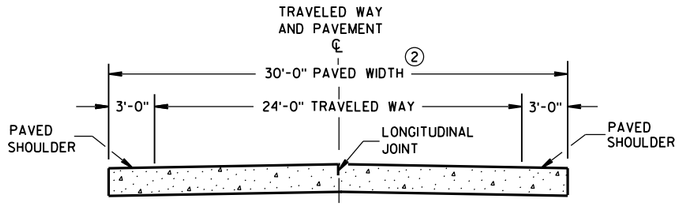
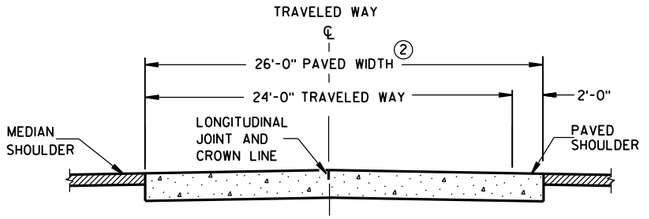
S.D.D. 13 C 1-18

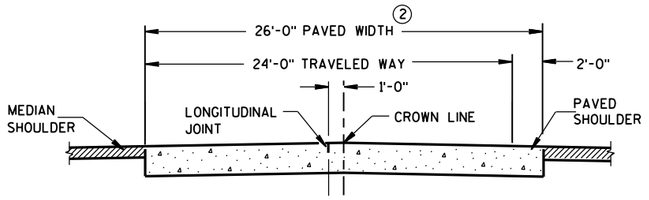


SECTION A-A ①

TWO-LANE TWO-WAY HIGHWAY



SECTION B-B



ALTERNATIVE SECTION B-B ①

DIVIDED HIGHWAY

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT SEAL OR FILL CONTRACTION JOINTS.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

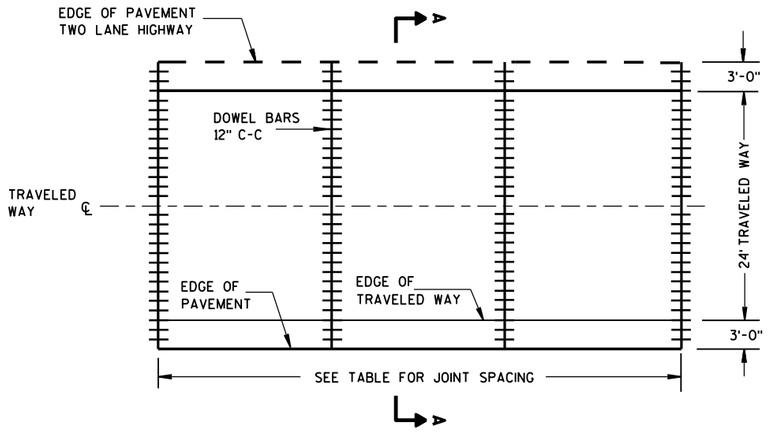
LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

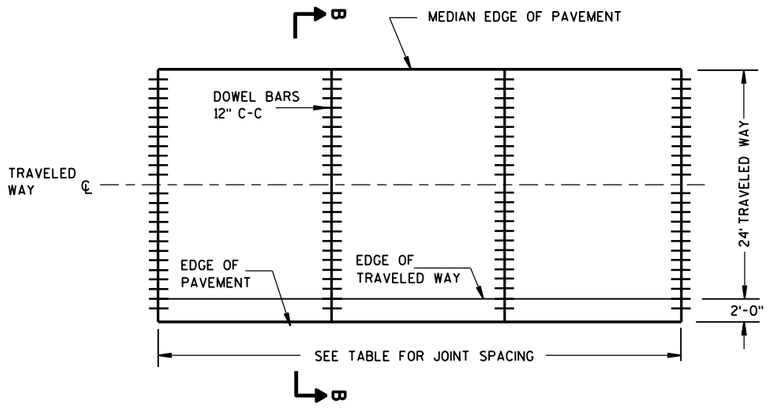
② MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED PAVED SHOULDER AS CONCRETE PAVEMENT.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



CONTRACTION JOINT LAYOUT
FOR TWO-LANE TWO-WAY HIGHWAY



CONTRACTION JOINT LAYOUT
FOR DIVIDED HIGHWAY

RURAL DOWELED
CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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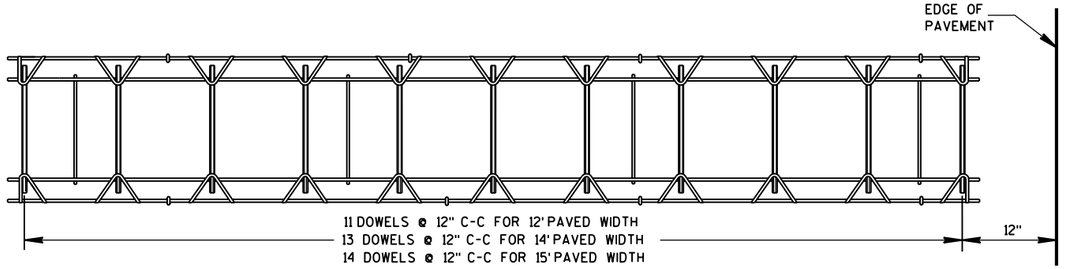
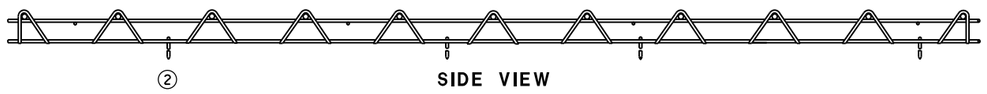
S.D.D. 13 C 11-11a



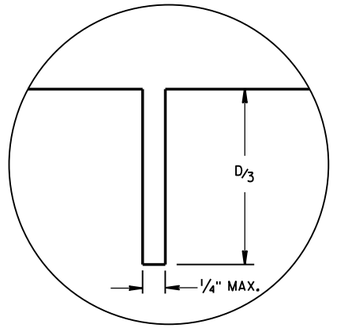
PLAN VIEW



SIDE VIEW

(NORMAL TO CENTERLINE)

CONTRACTION JOINT DOWEL ASSEMBLY ①



JOINT DETAIL

GENERAL NOTES

① OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

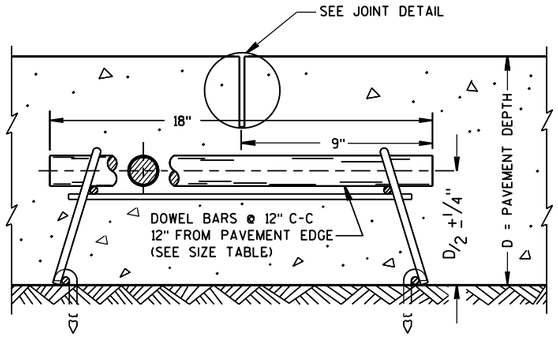
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A 1/4-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

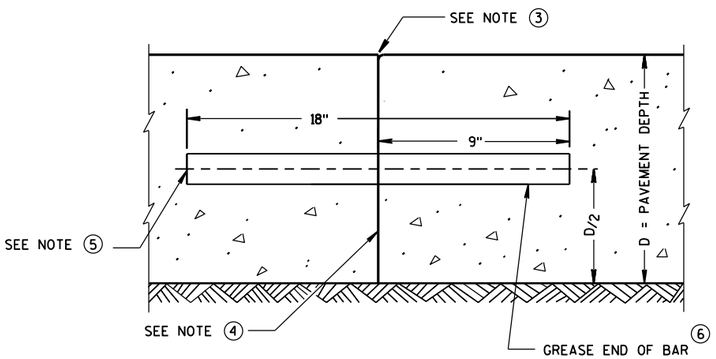
⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

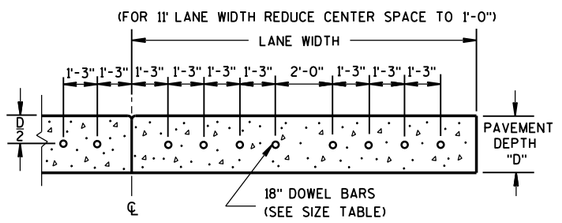
⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



DOWELED CONTRACTION JOINT



TRANSVERSE CONSTRUCTION JOINT



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

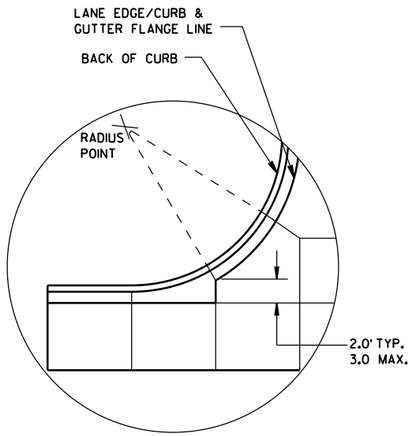
APPROVED
5/3/2013 DATE
/S/ Deb Bischoff PAVEMENT POLICY & DE ...NEER
FHWA

6

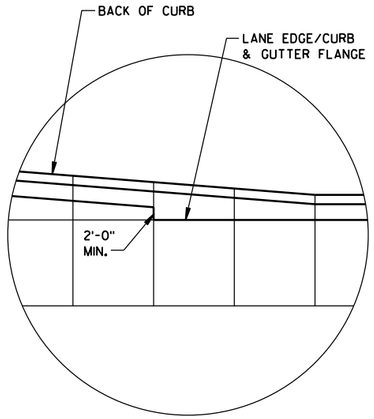
S.D.D. 13 C 11-11b

6

S.D.D. 13 C 11-11b



DETAIL "A"



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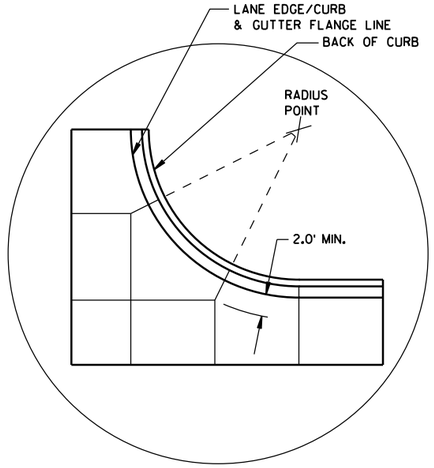

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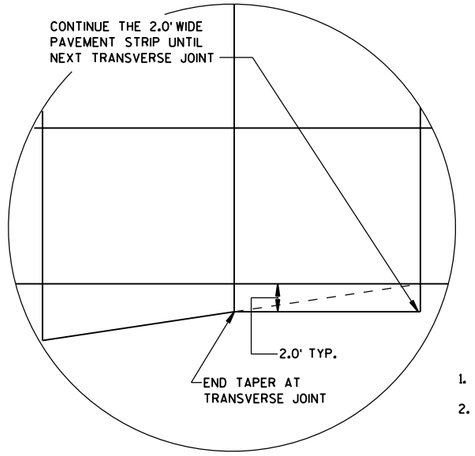


DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

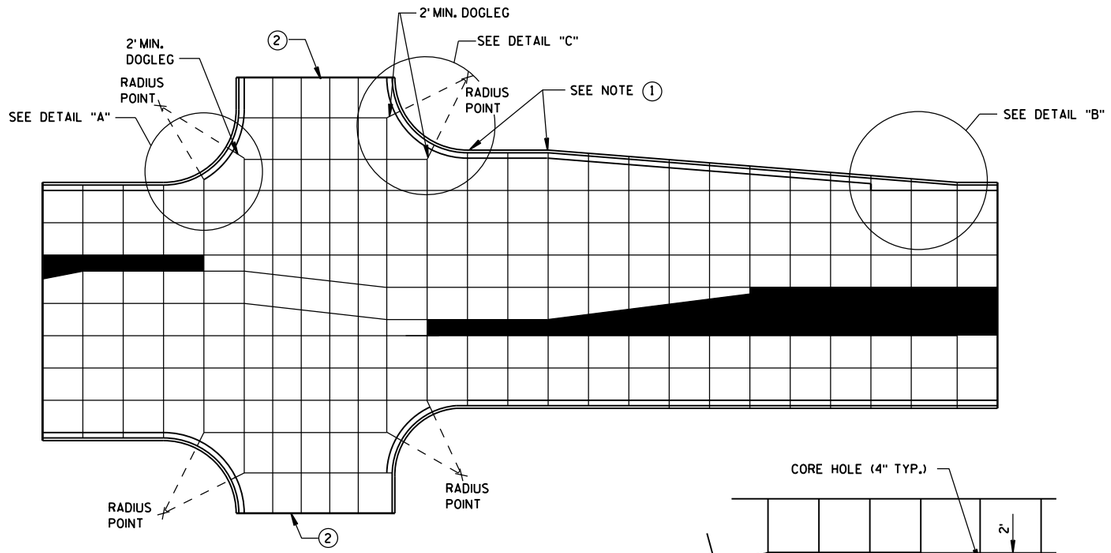
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

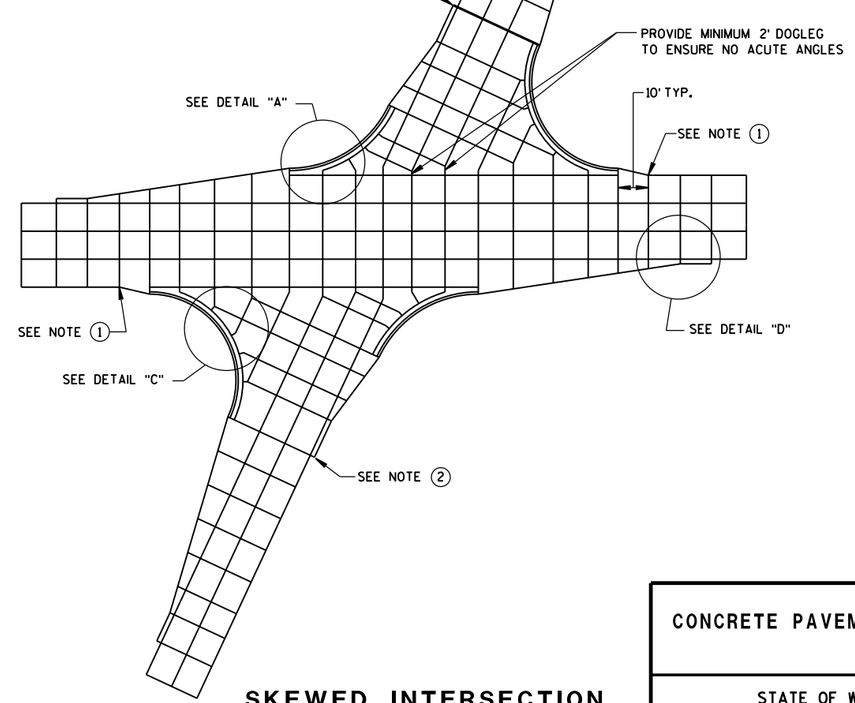
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



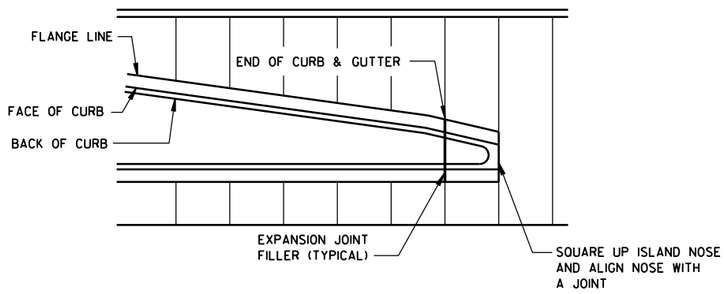
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

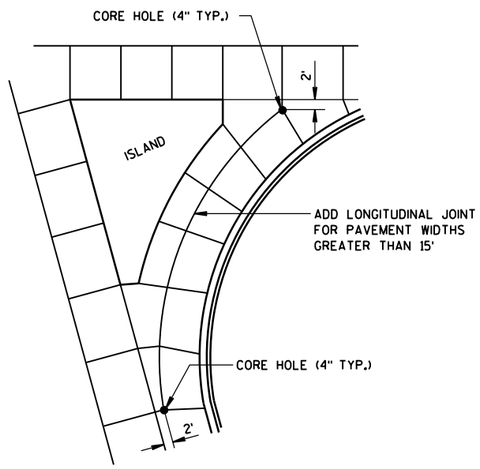
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

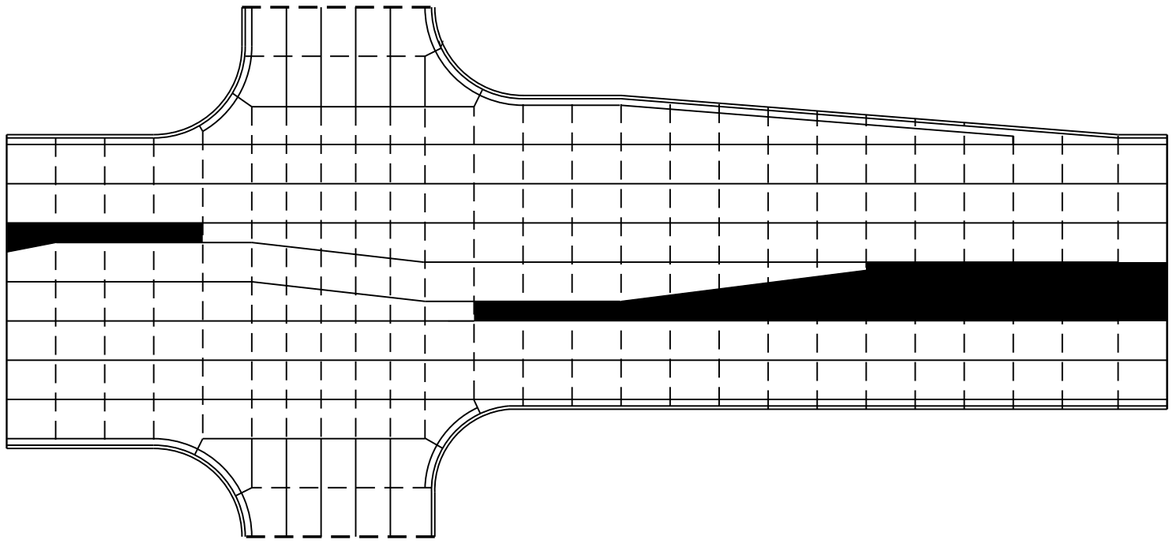
6
S.D.D. 13 C 18-5a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

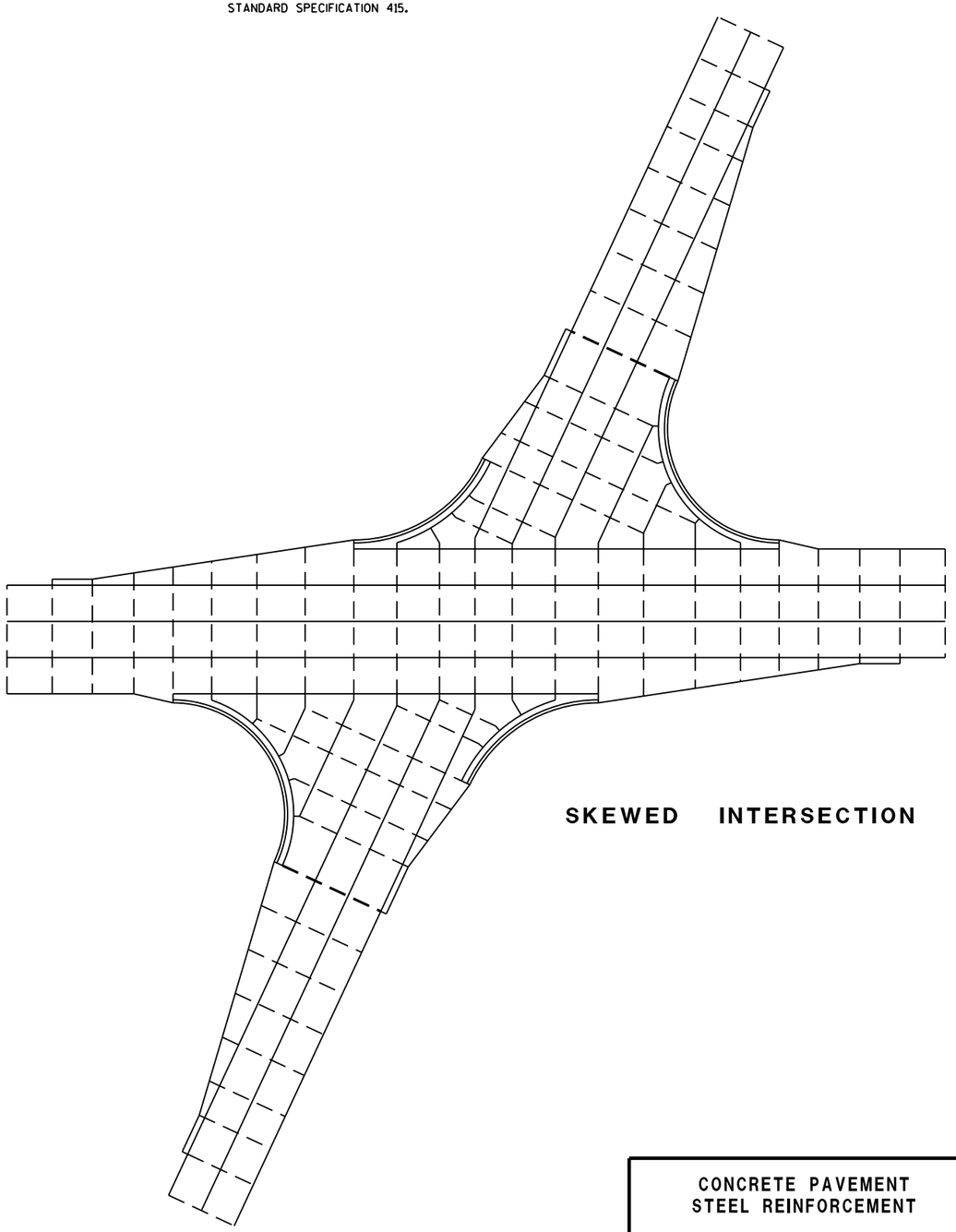
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

CONCRETE PAVEMENT
STEEL REINFORCEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 13 C 18-5b

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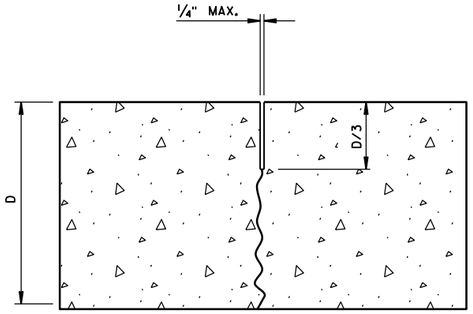
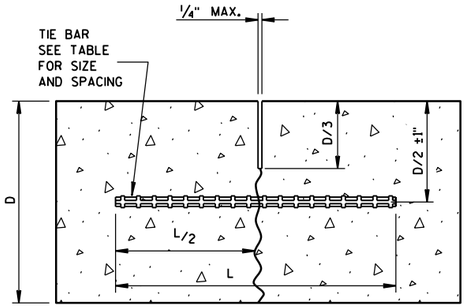
S.D.D. 13 C 18-5b



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

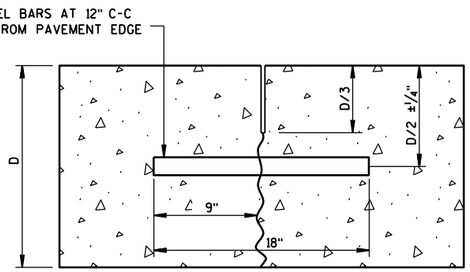
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

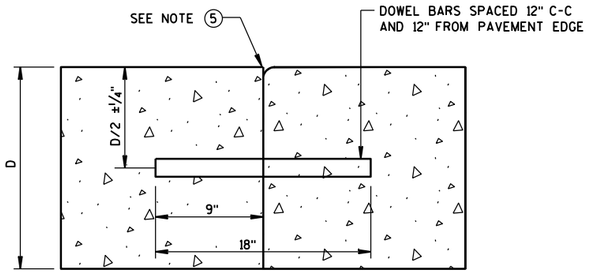
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



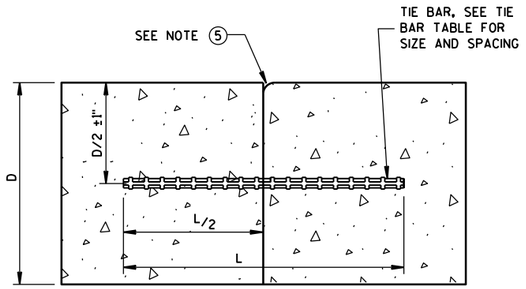
DOWELED-TRANSVERSE

CONTRACTION JOINTS

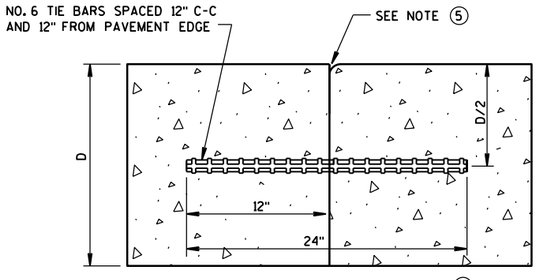
SEE NOTE (2)



DOWELED TRANSVERSE (3)

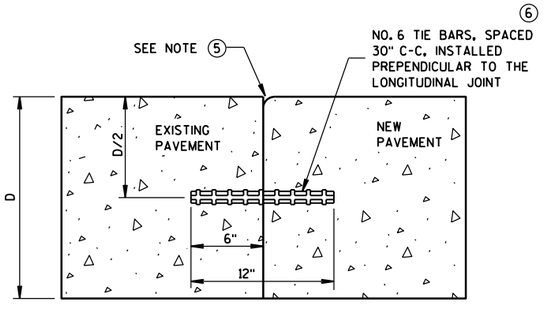


TIED LONGITUDINAL



TIED TRANSVERSE (3)

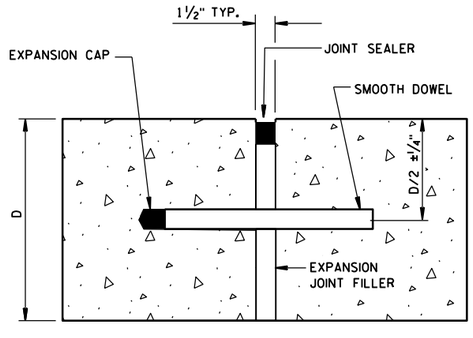
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

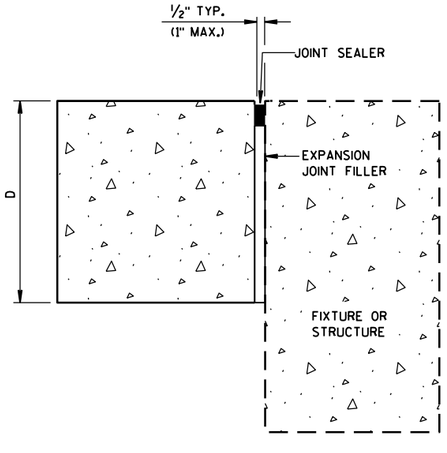
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

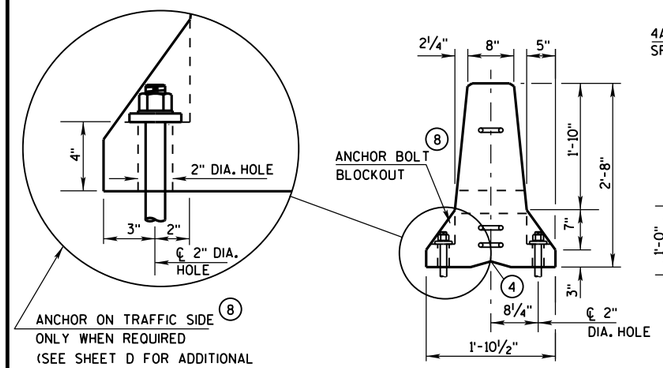
EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

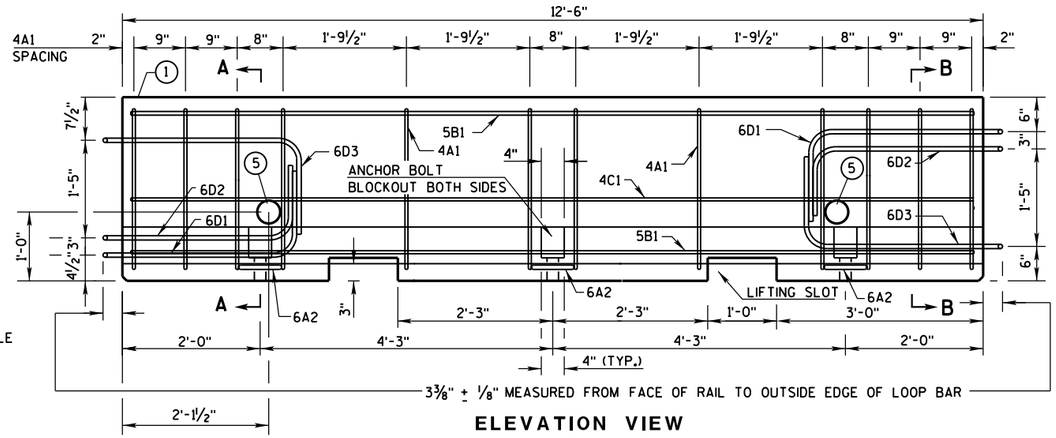
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

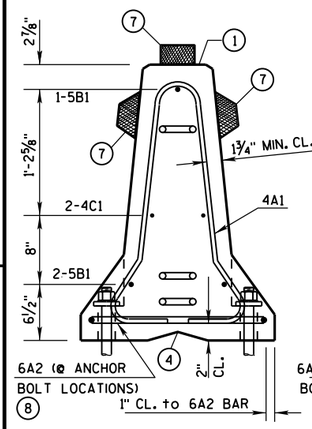
S.D.D. 13 C 18-5c



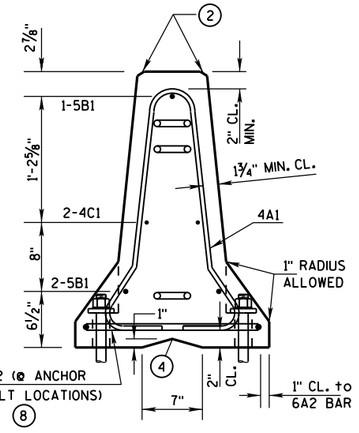
END VIEW



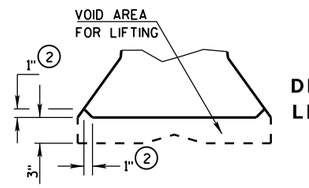
ELEVATION VIEW



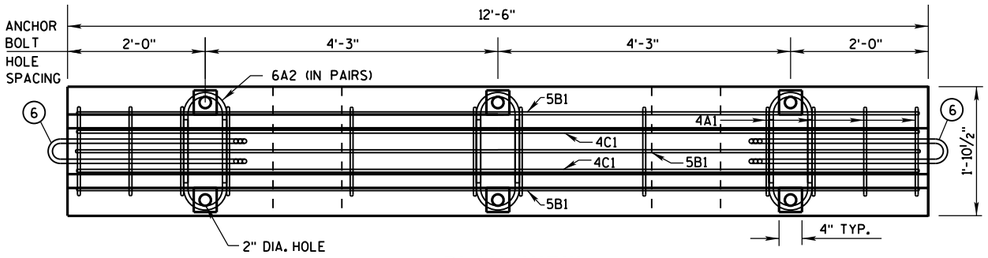
SECTION A-A
(STIRRUP PLACEMENT)



SECTION B-B
(STIRRUP PLACEMENT)

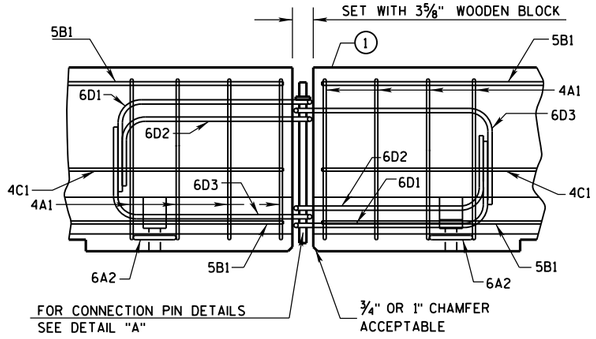


DETAIL "B"
LIFTING SLOT DETAIL

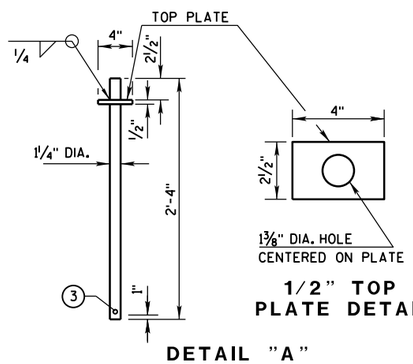


PLAN VIEW

DETAILS OF BARRIER SECTION

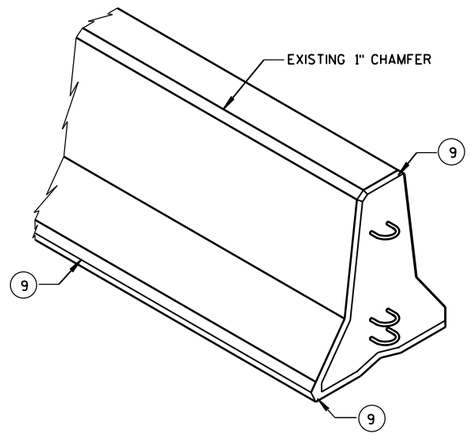


DETAILS OF BARRIER CONNECTION



1/2" TOP
PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-15(a) THRU 14B7-15(i).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

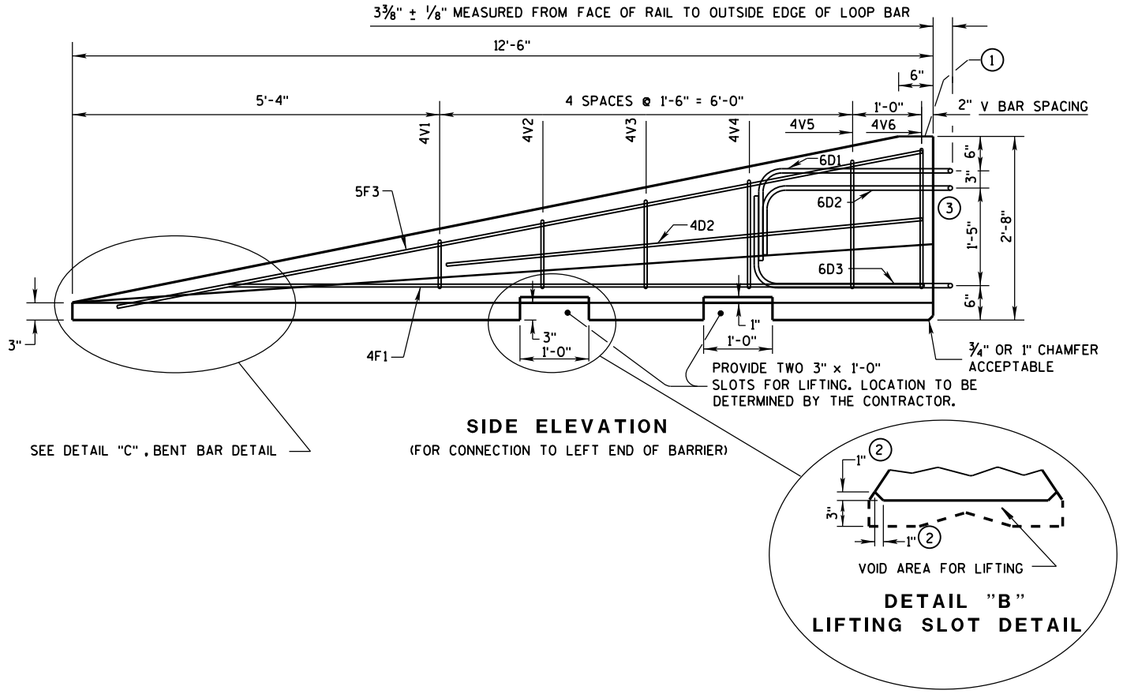
(8) SEE SHEET D FOR HOW TO ANCHOR BARRIER. SEE SHEET E FOR WHEN TO ANCHOR BARRIER.

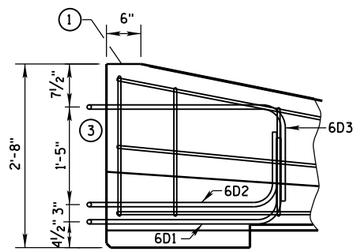
(9) 1" CHAMFER OPTIONAL.

f'c = 4,000 psi

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

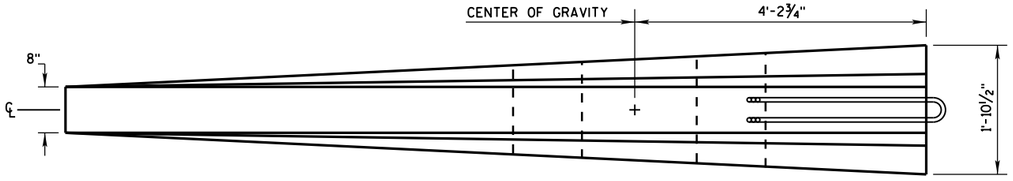
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 320

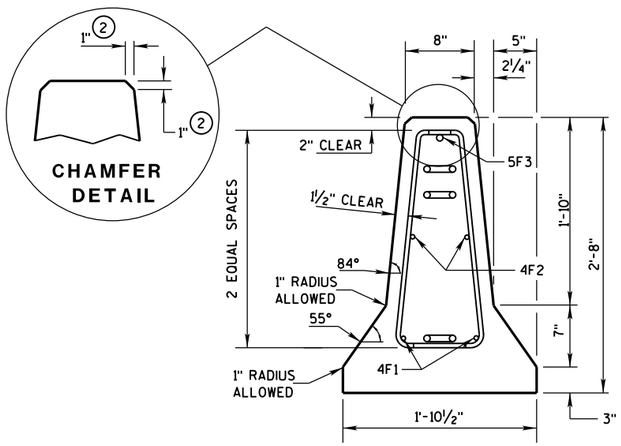


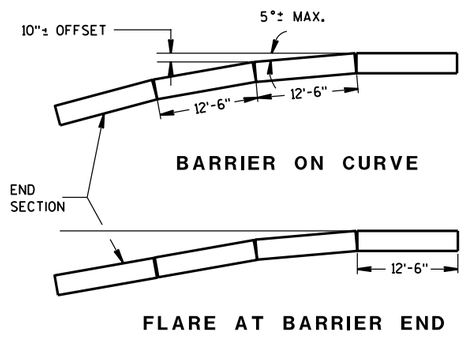


GENERAL NOTES

1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.







POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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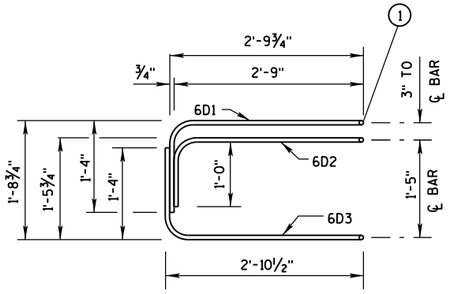
S.D.D. 14 B 7-15b

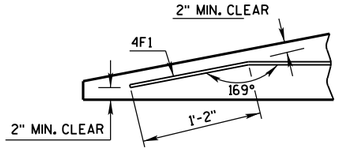
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

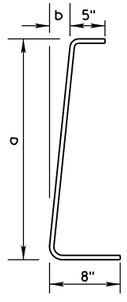
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

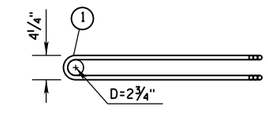
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

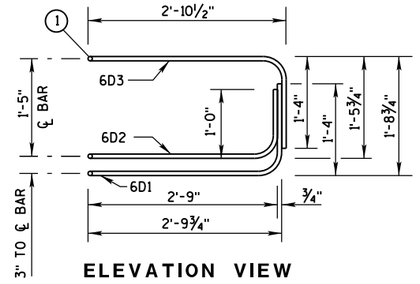
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

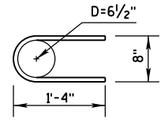
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



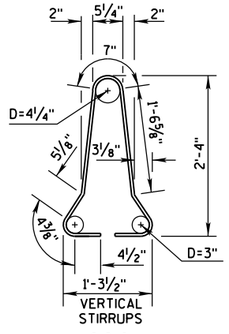
PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



ELEVATION VIEW



6A2



4A1

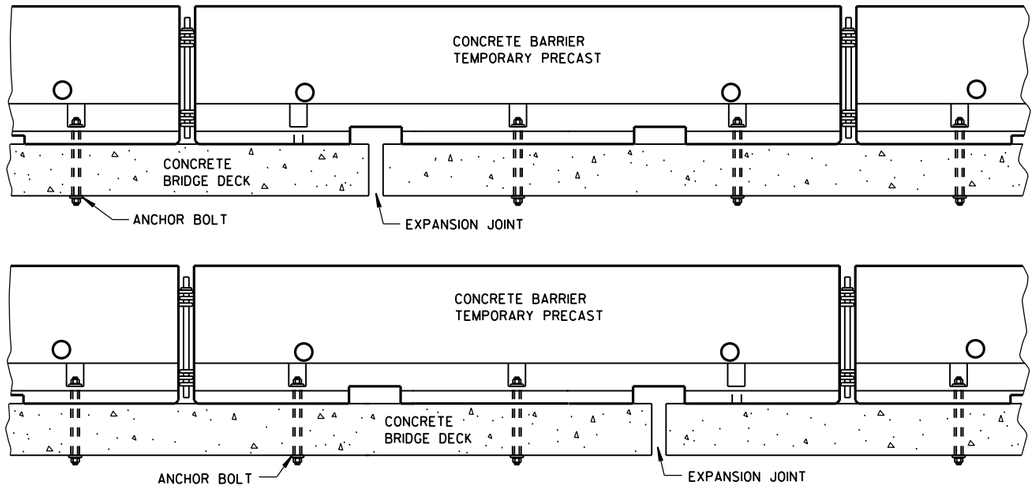
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 7-15c



TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)

GENERAL NOTES

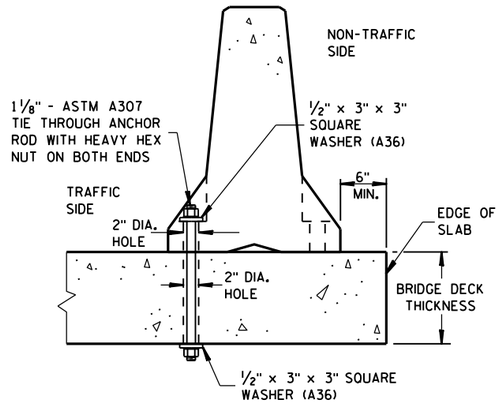
SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERICAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(1) 1⅛" DIAMENTER A307 THREADED ROD. ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL. ASTM A563A HEAVY HEX NUT.

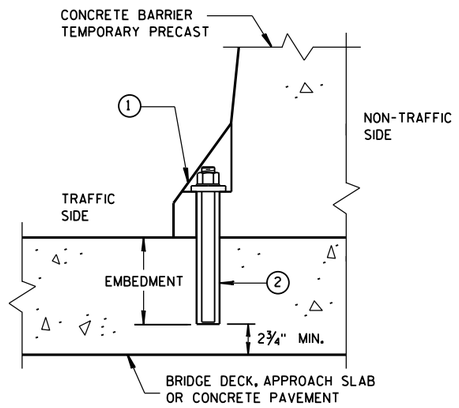
(2) ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

(3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



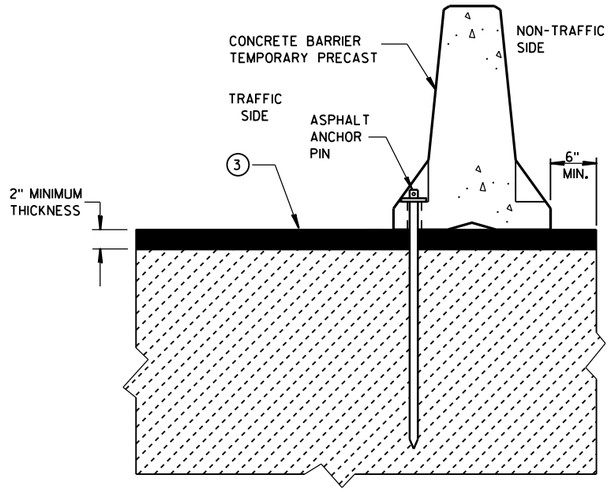
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

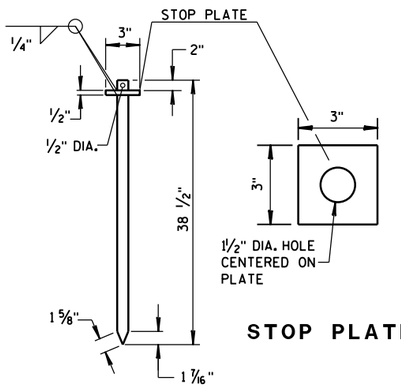


REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



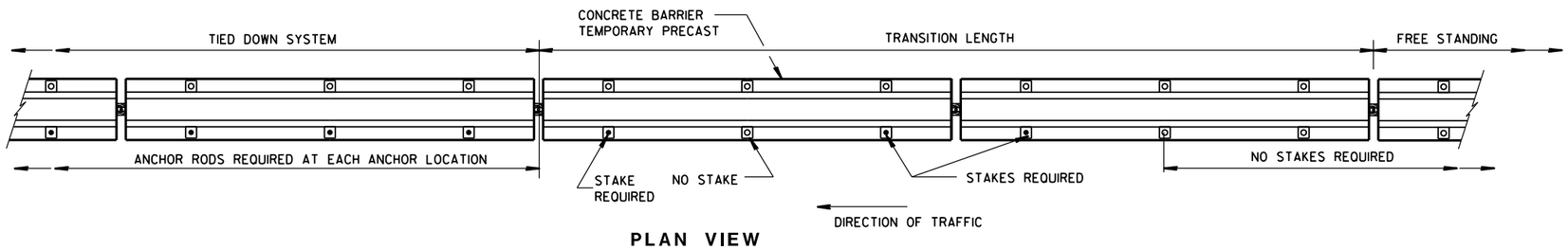
STAKE DOWN INSTALLATION FOR ASPHALTIC SURFACE



STOP PLATE

ASPHALT ANCHOR PIN

(ASTM A36 STEEL)



PLAN VIEW

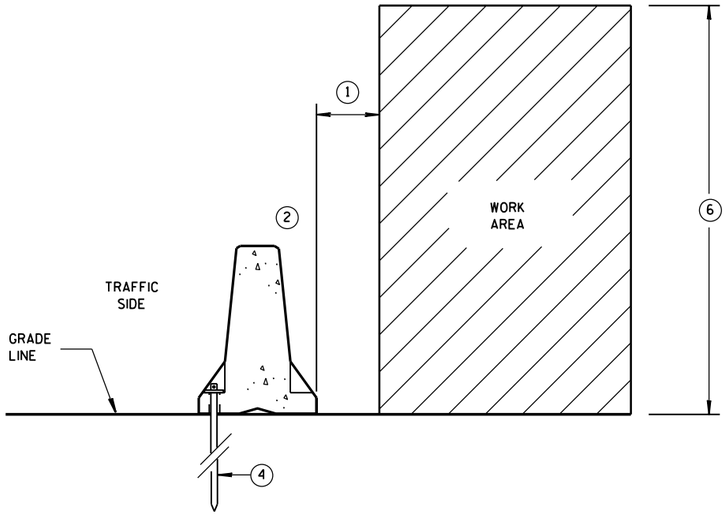
FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

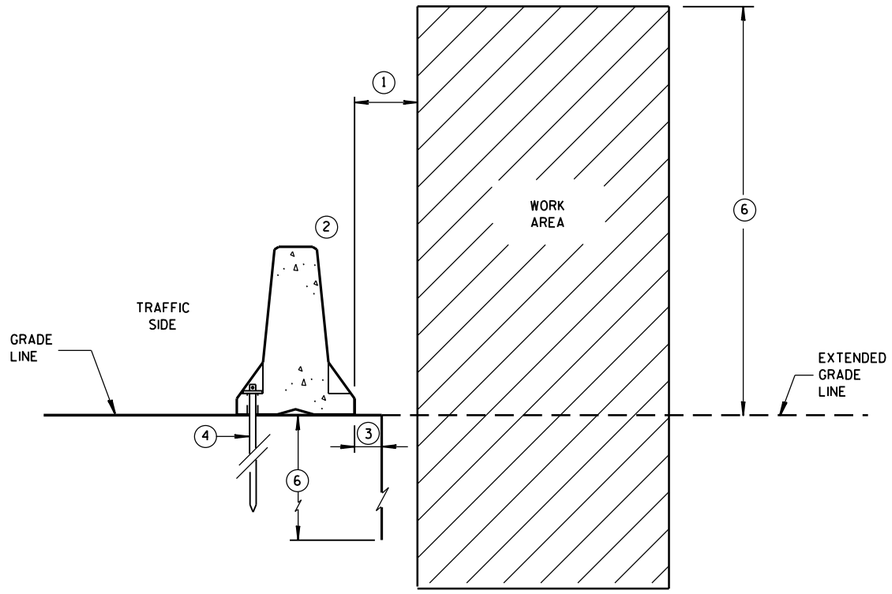
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15d



ANCHORED BARRIER SPACE REQUIREMENTS FOR HAZARDS EXTENDED ABOVE THE GRADE LINE

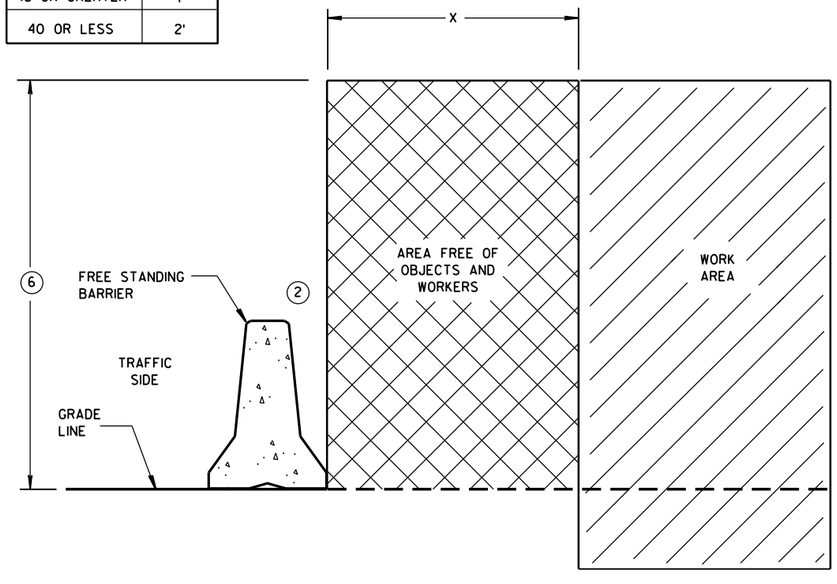


ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS

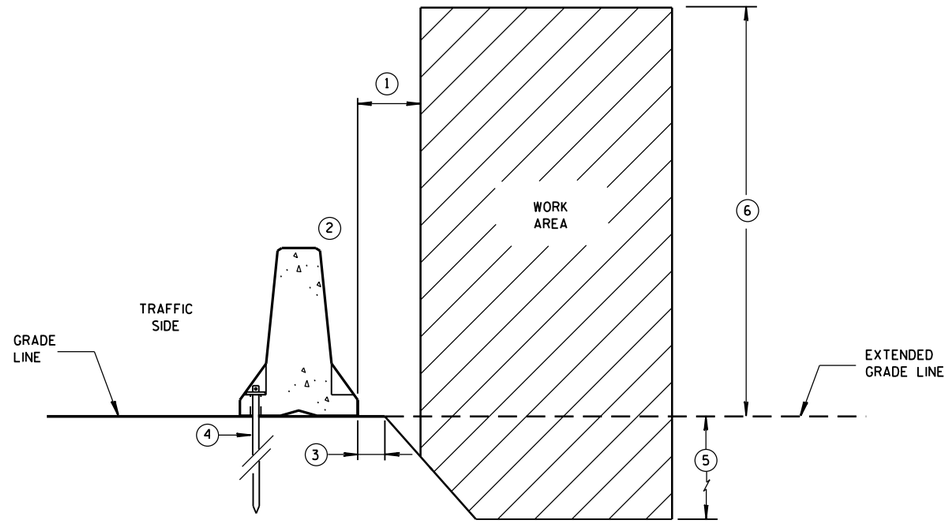
GENERAL NOTES

1. WHEN OBJECTS EXTEND ABOVE THE GRADE, A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT. SEE OTHER DETAILS FOR FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR VERTICAL DROPS.
2. OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR LEANED AGAINST THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.
3. SEE OTHER DETAIL ON SHEET "D" FOR SPACE REQUIREMENTS.
4. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR A STAKE DOWN FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.
5. DEPTH OF 3 FEET OR MORE.
6. Y = 6'-6".

POSTED SPEED MPH	X
45 OR GREATER	4'
40 OR LESS	2'



FREE STANDING BARRIER SPACE REQUIREMENTS



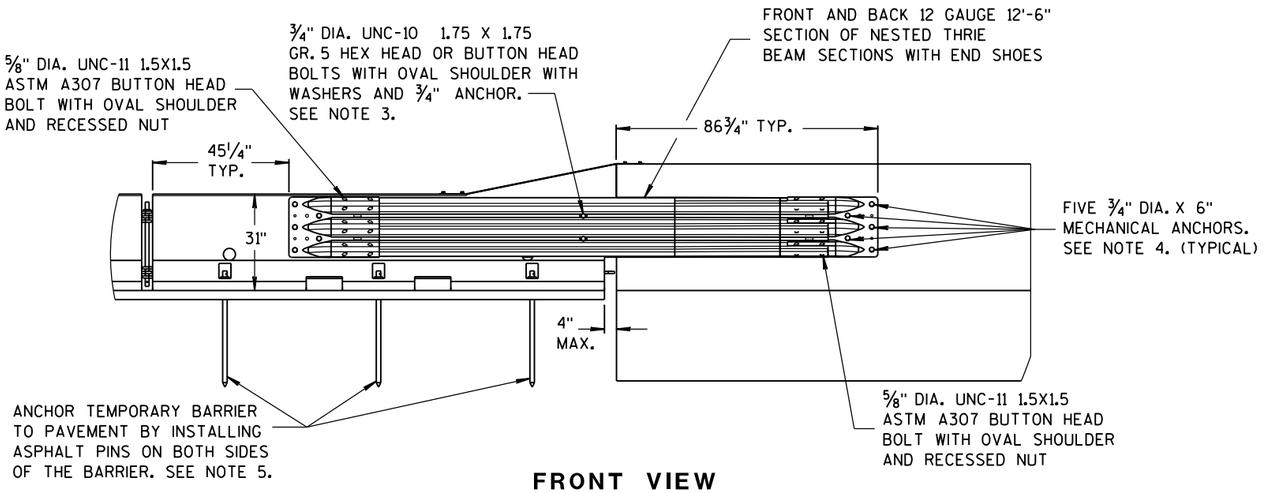
ANCHORED BARRIER SPACE REQUIREMENTS ON SLOPES

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

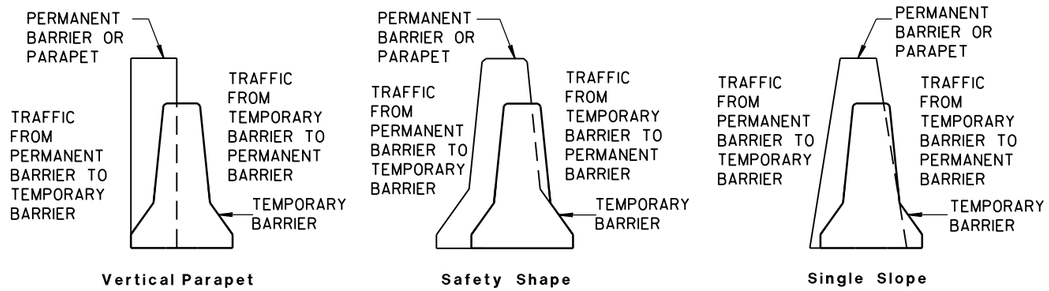
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 7-15e



FRONT VIEW

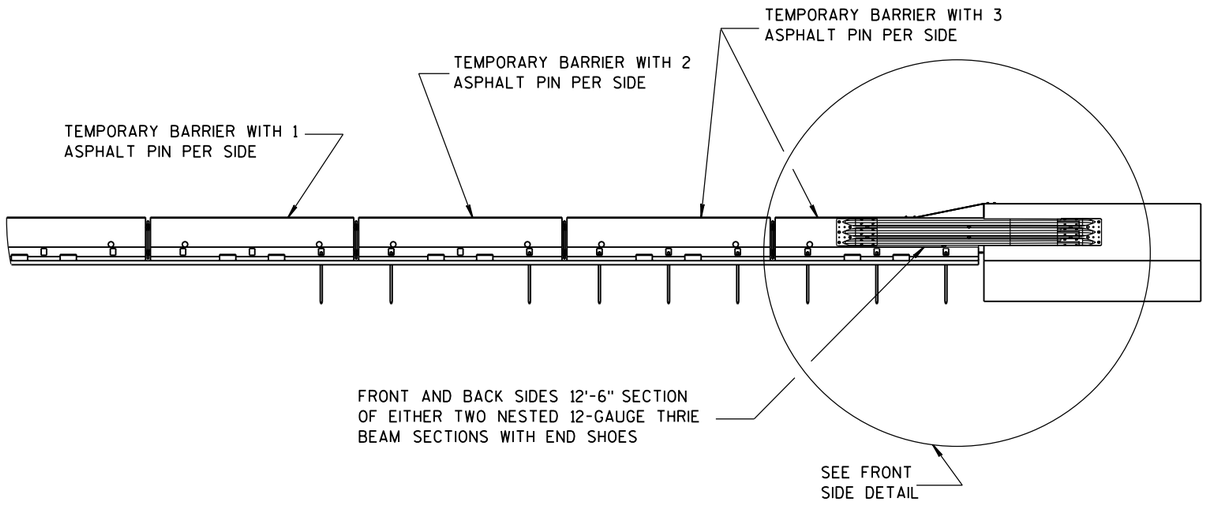


TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

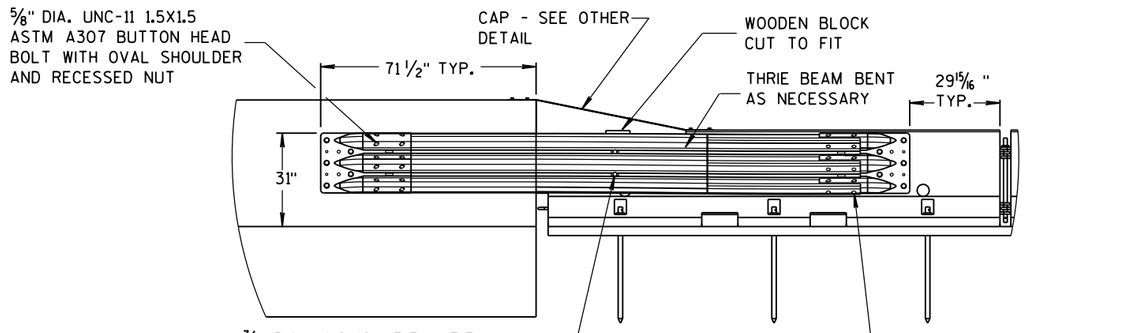
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS REGARDLESS OF TRAFFIC.

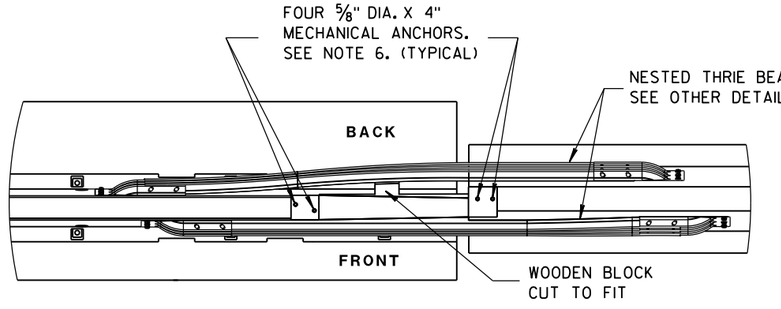
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



FRONT VIEW



BACK VIEW



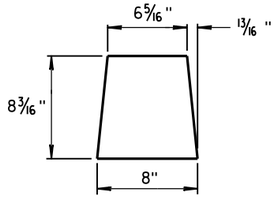
PLAN VIEW

BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

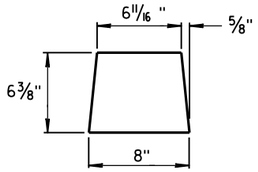
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

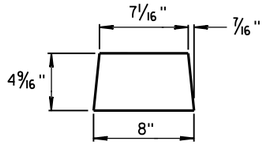
6
S.D.D. 14 B 7-15f



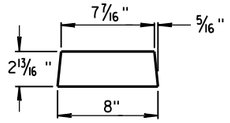
GUSSET 1



GUSSET 2

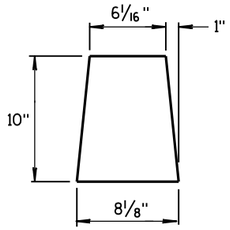


GUSSET 3

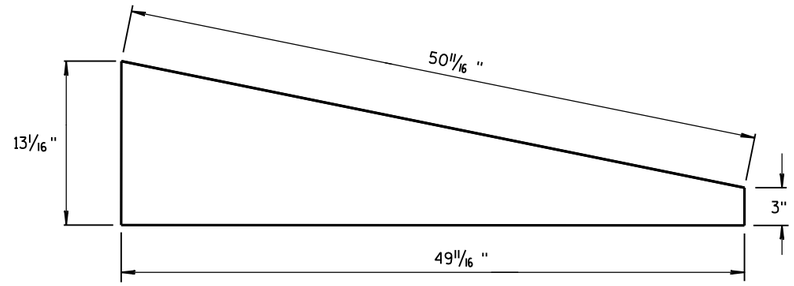


GUSSET 4

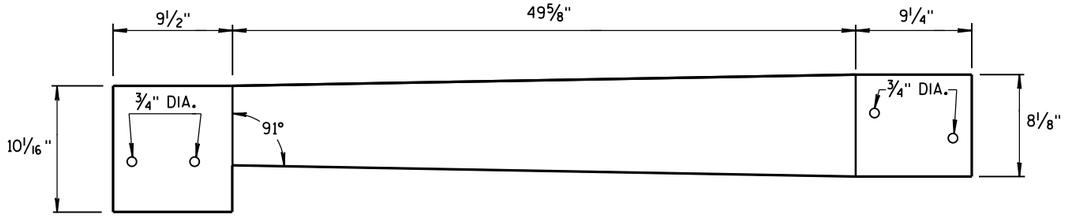
GUSSETS

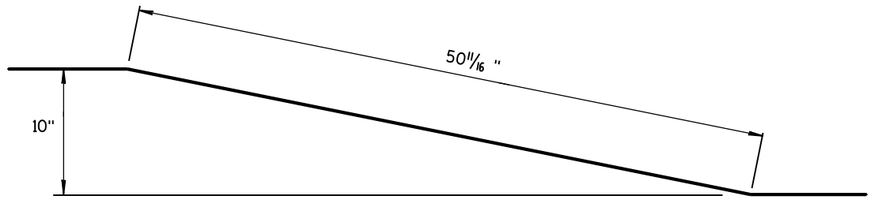


END PLATE



SIDE PLATE

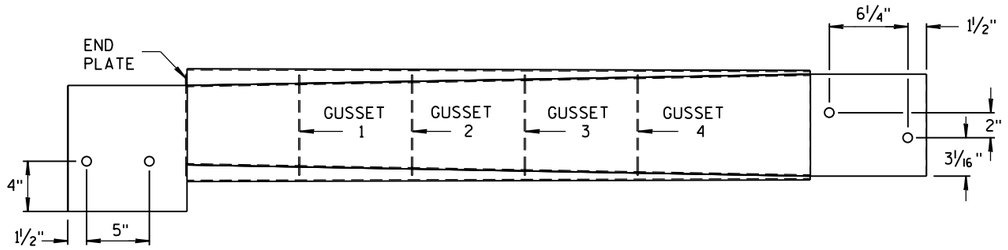


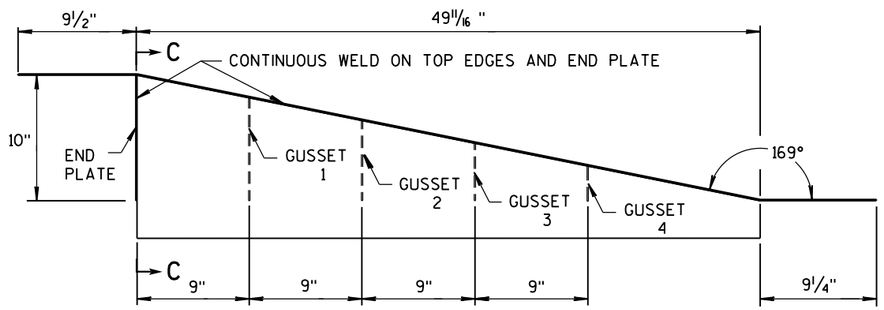


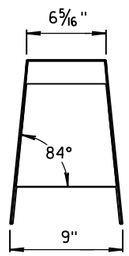
TOP PLATE

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.







SECTION C-C

NOTES

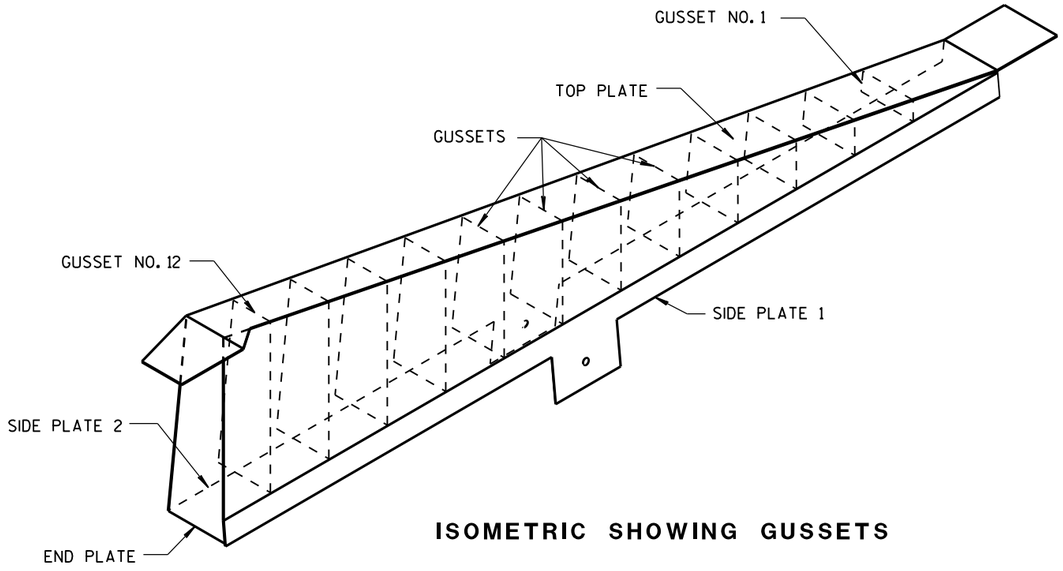
1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

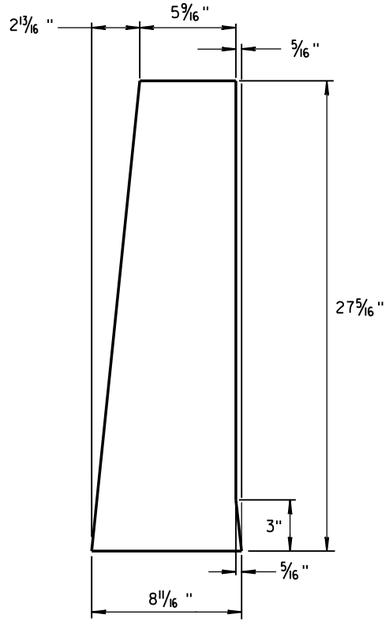
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15g

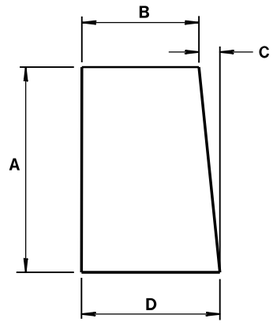


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



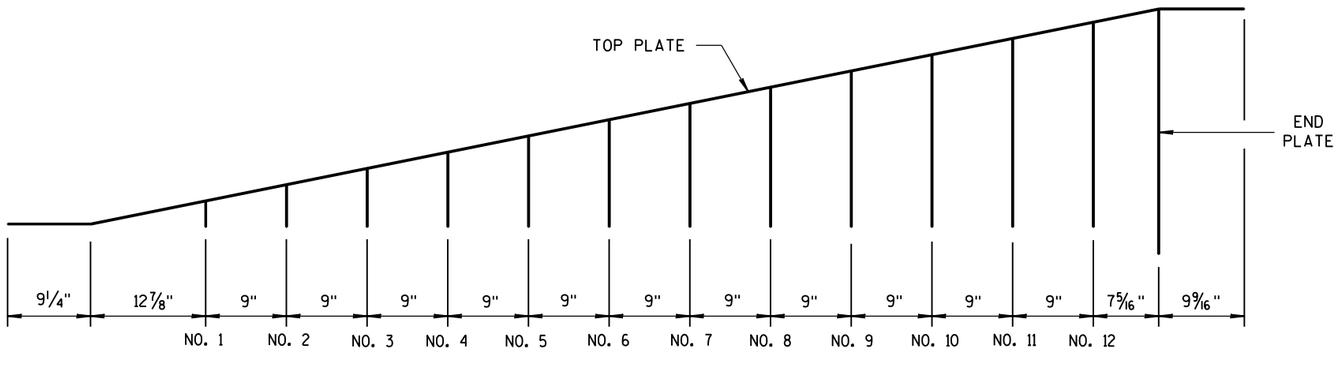
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



GUSSET LOCATION

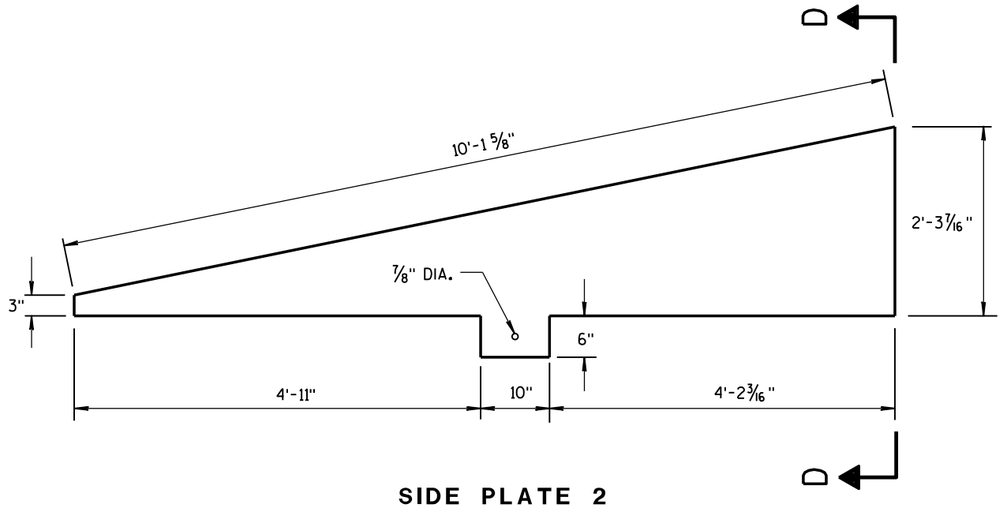
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

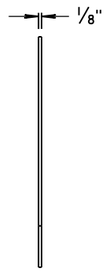
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

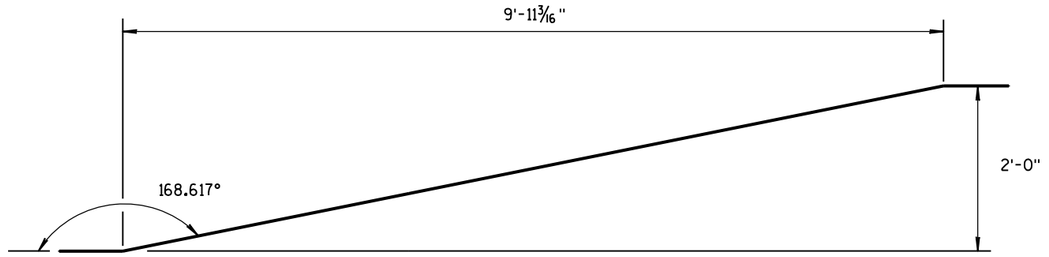
S.D.D. 14 B 7-15h



SIDE PLATE 2

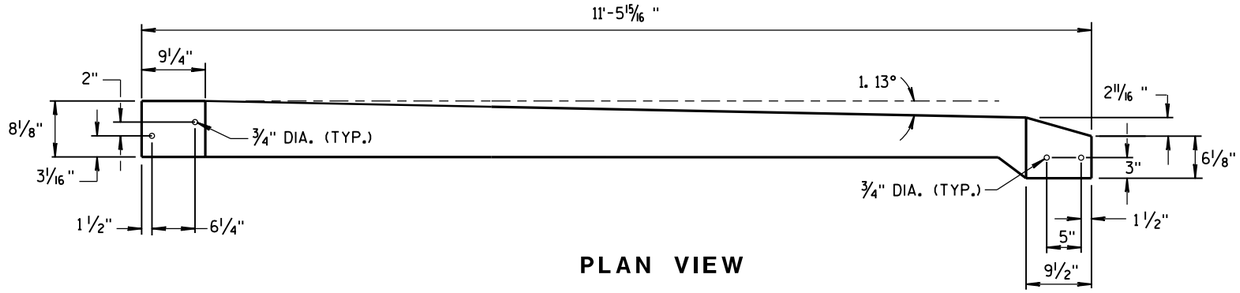


END VIEW



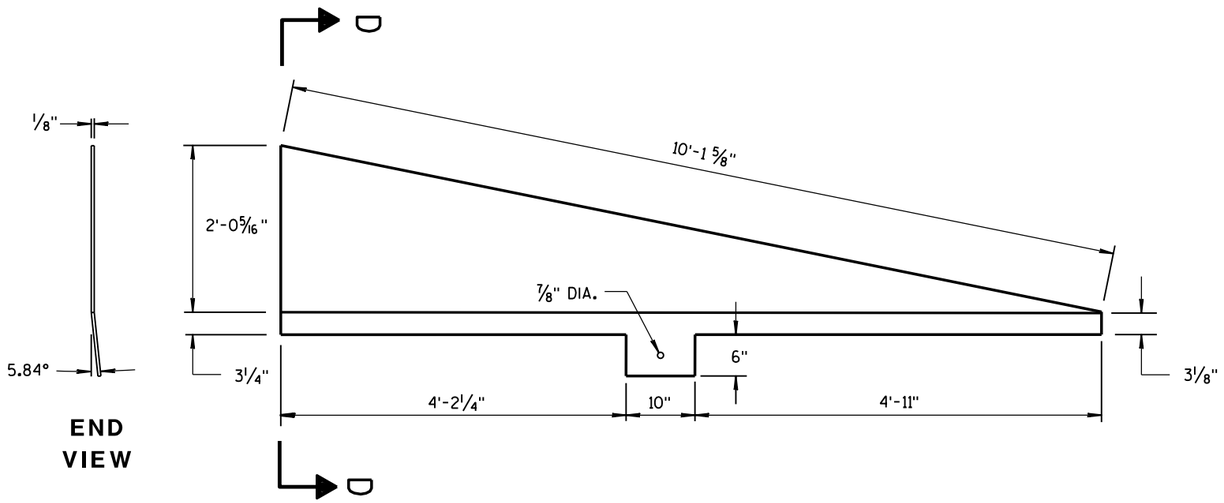
SIDE VIEW

TOP PLATE



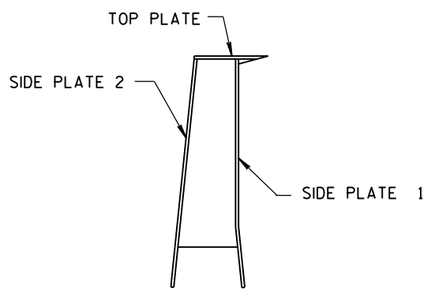
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV

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S.D.D. 14 B 7-15i

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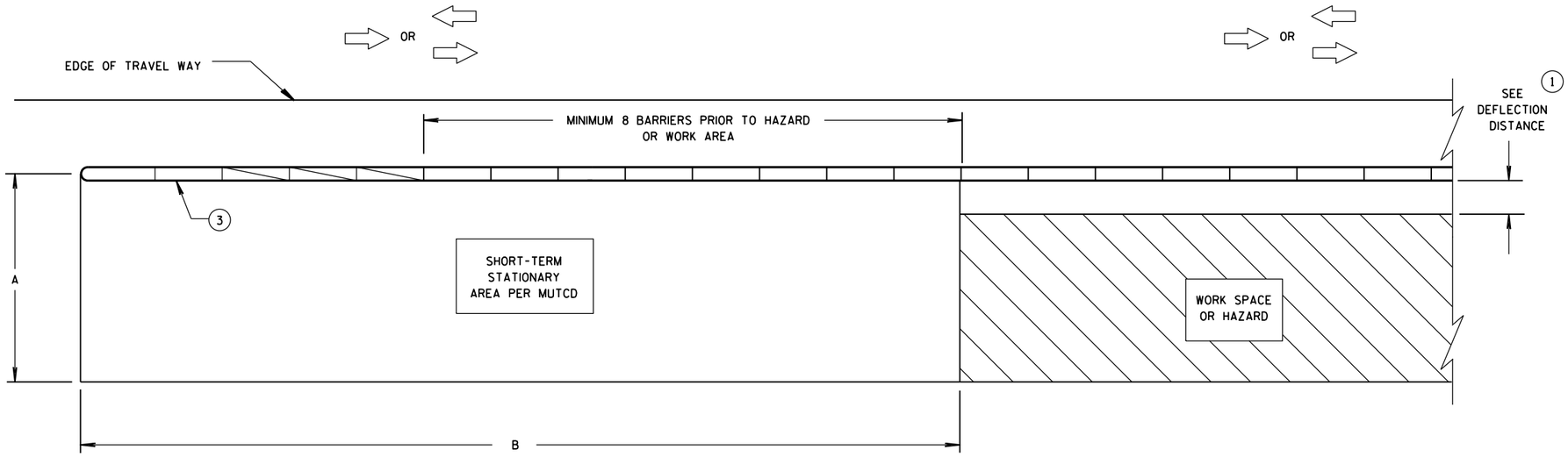
S.D.D. 14 B 7-15i



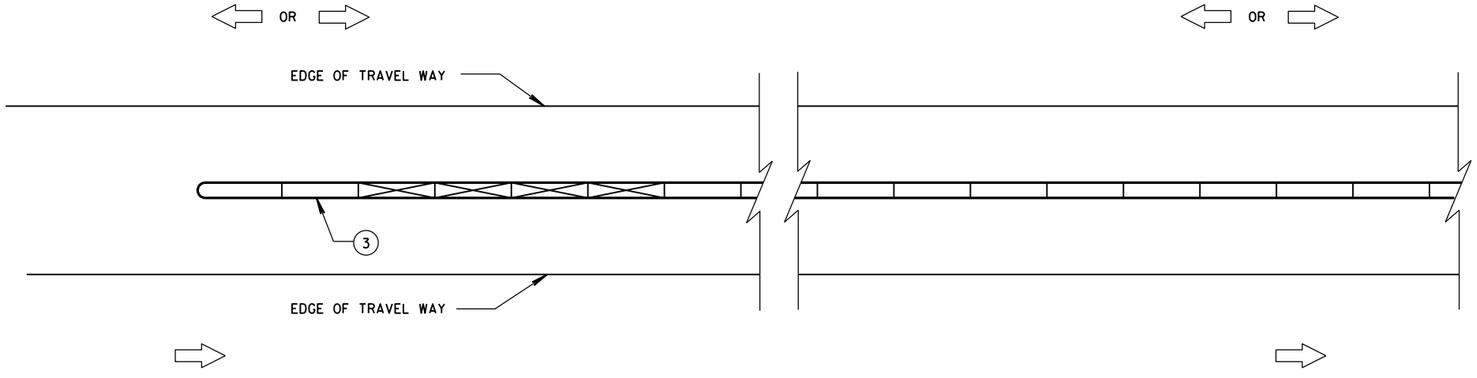
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

DIMENSION A TABLE (2)

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

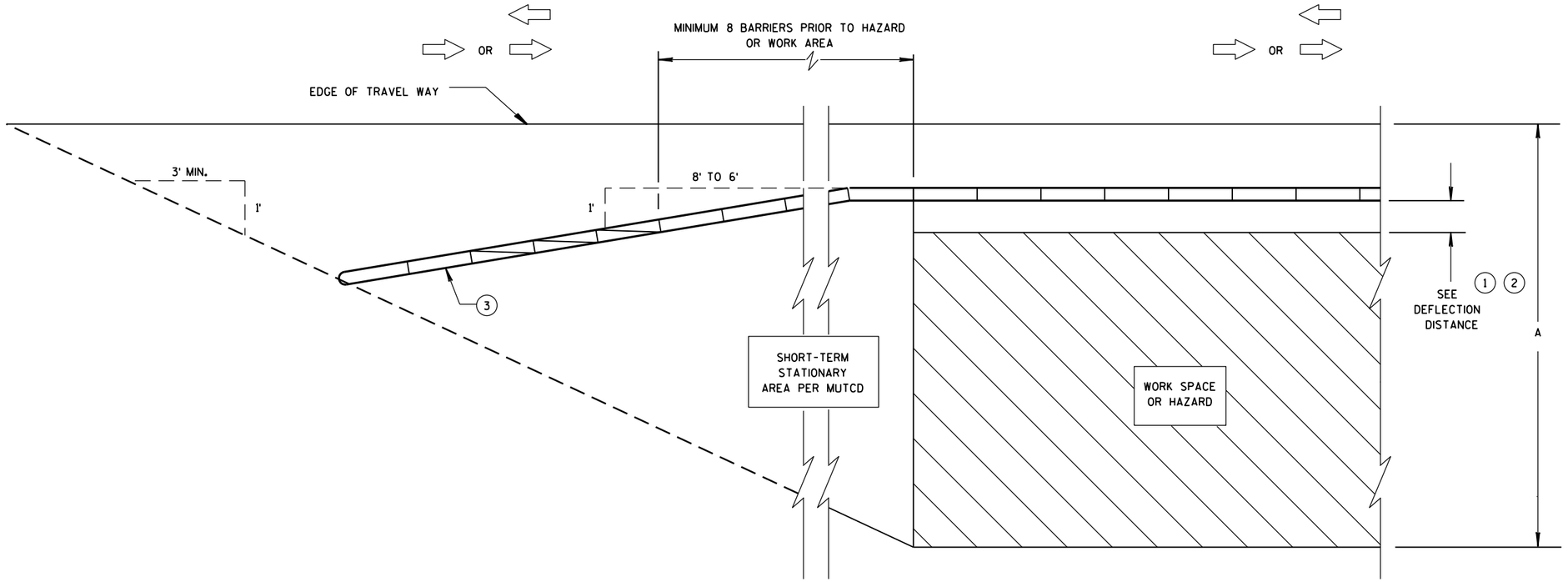
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

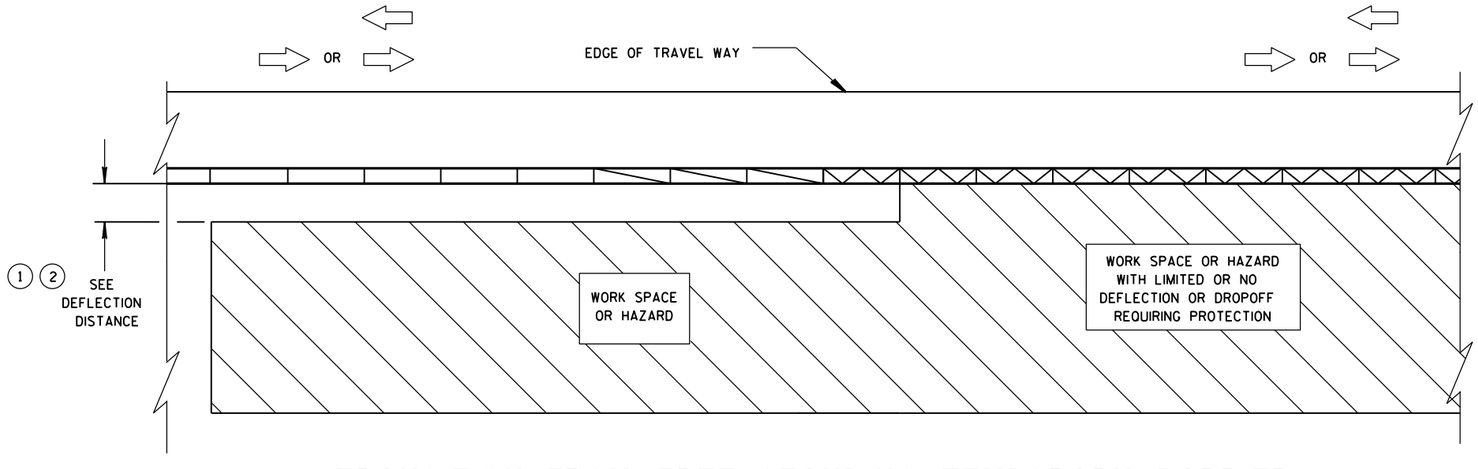
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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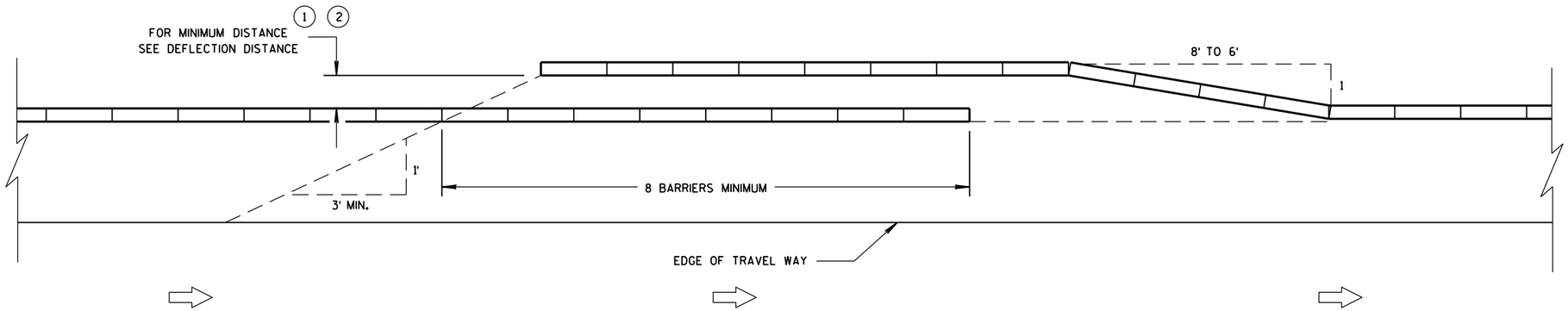
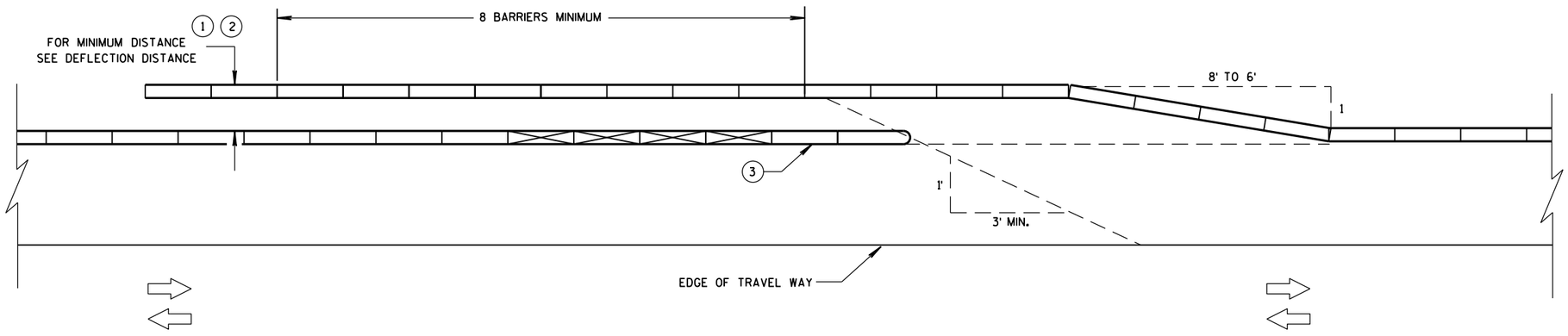
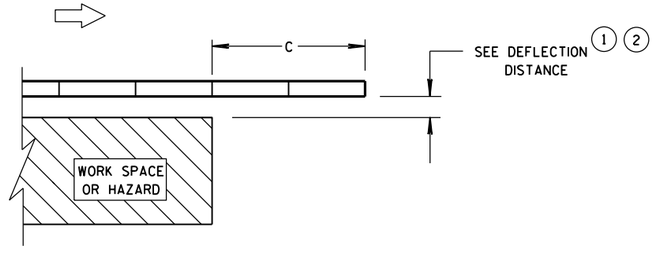
S.D.D. 14 B 8-2b



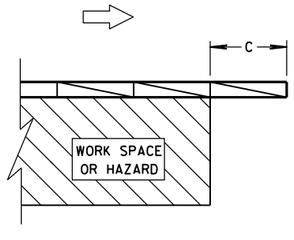
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

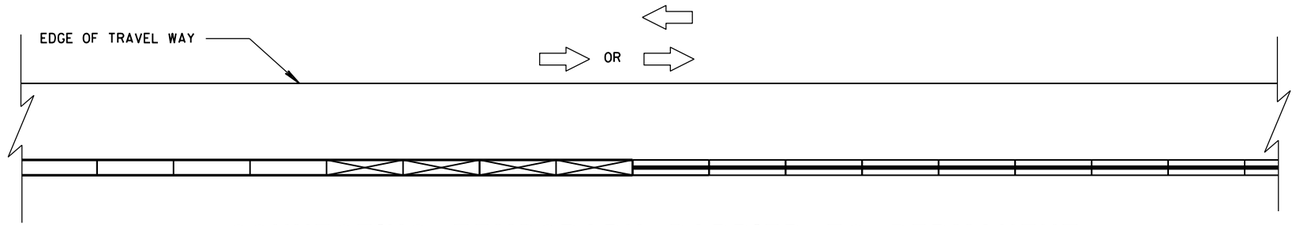
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

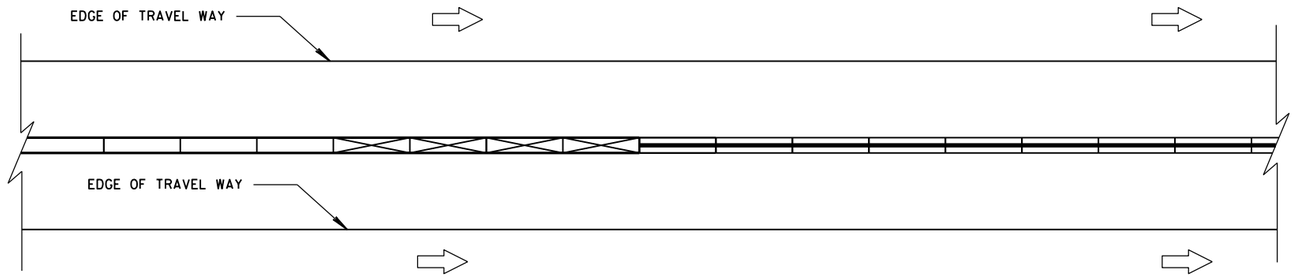
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2c



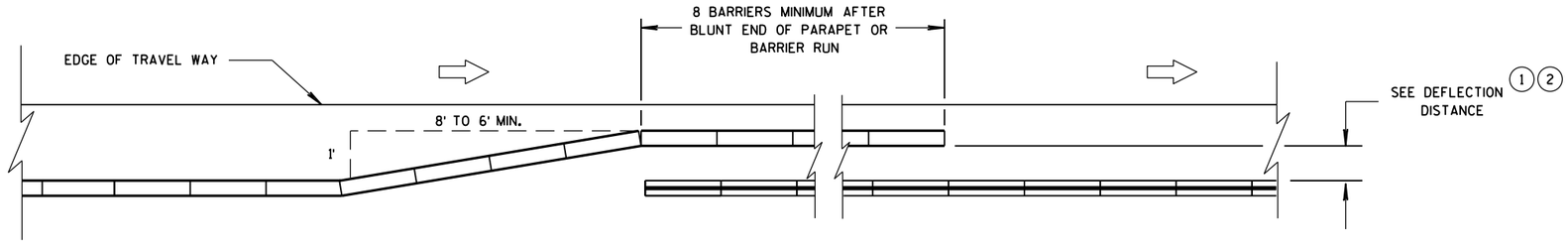
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



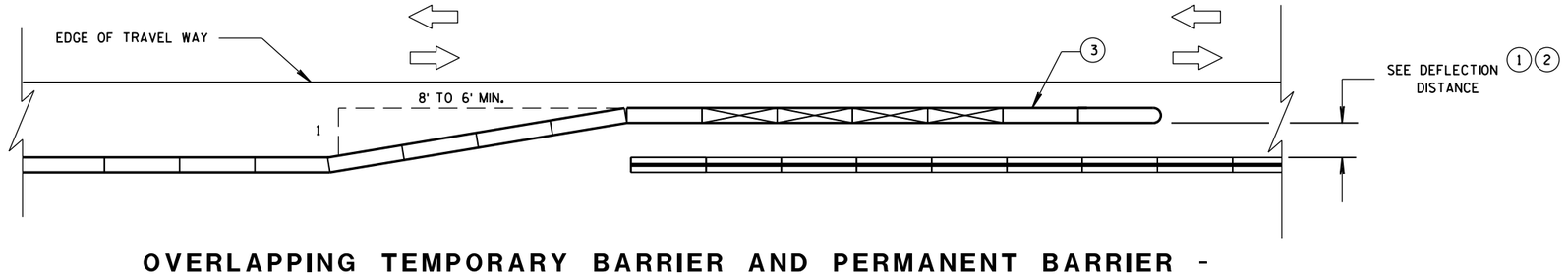
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2d

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

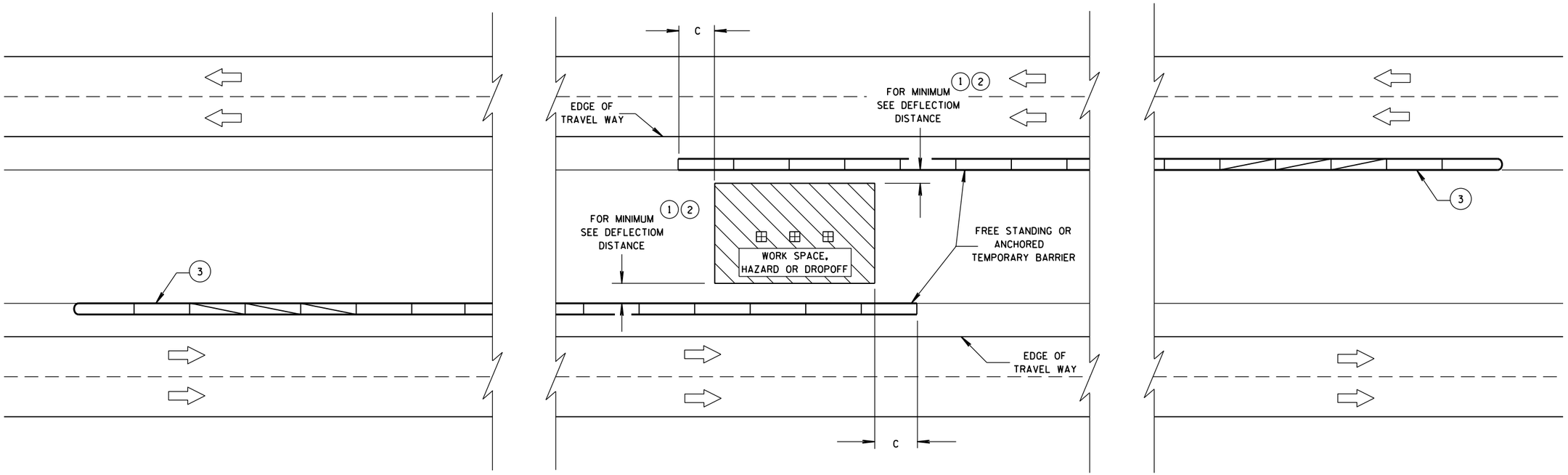
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINNER
333
ENT
FHWA

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S.D.D. 14 B 8-2e

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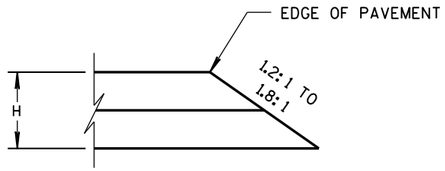
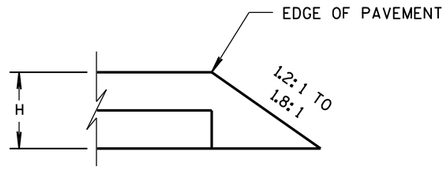
S.D.D. 14 B 8-2e



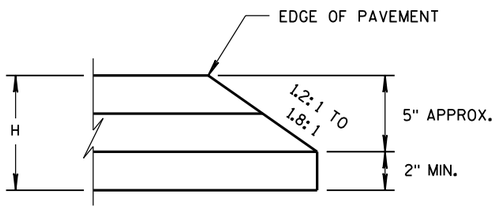
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



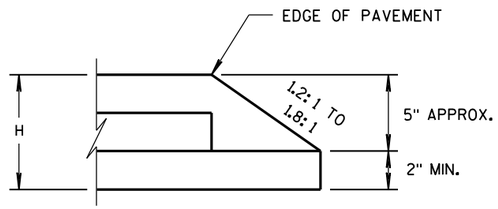
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

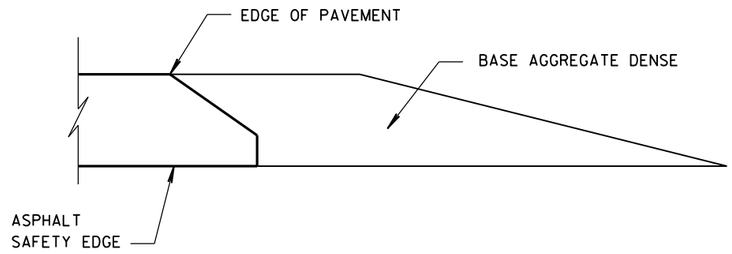
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

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S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

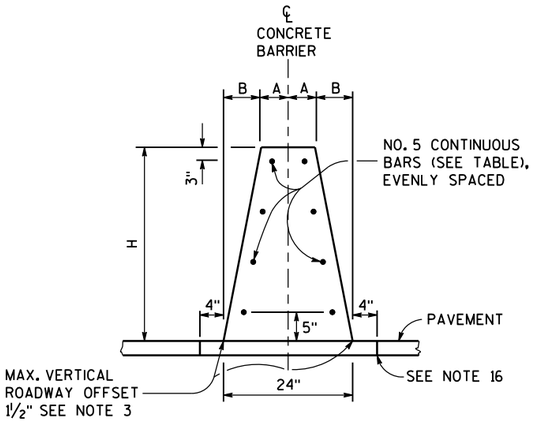
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

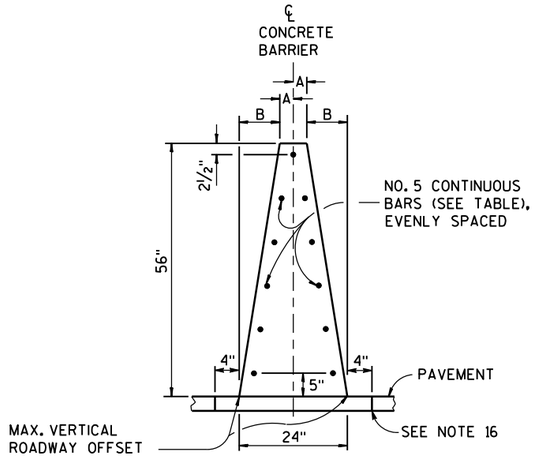
11/30/2012
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

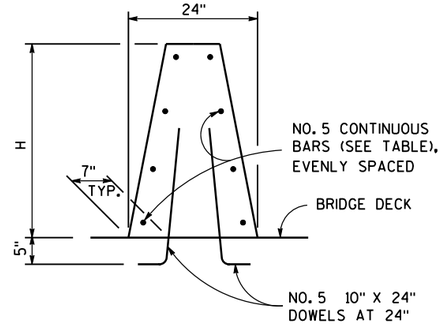
FHWA



32-INCH, 36-INCH OR 42-INCH SINGLE SLOPE CONCRETE BARRIER (TYPE S32, TYPE S36, AND TYPE S42)



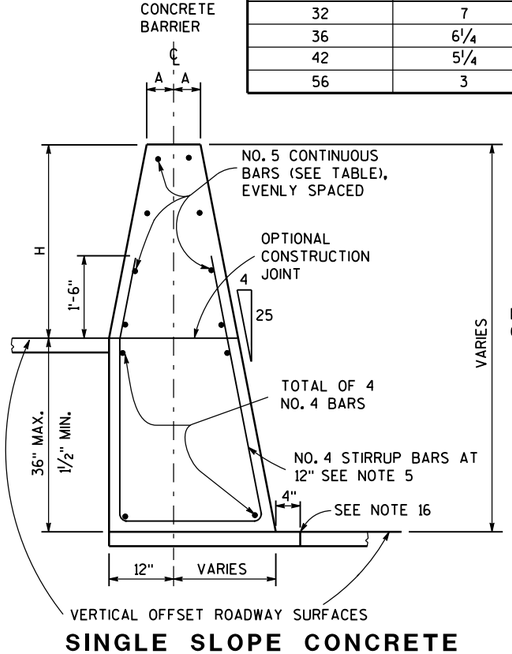
56-INCH SINGLE SLOPE CONCRETE BARRIER (TYPE S56)



SINGLE SLOPE CONCRETE BARRIER ON BRIDGE

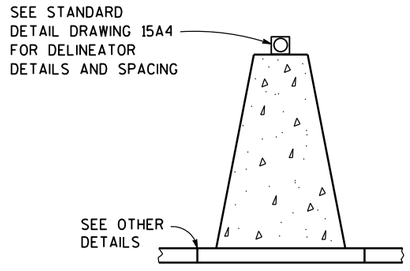
NON OUTER PARAPET APPLICATION

BARRIER HEIGHT H INCHES	A INCHES	B INCHES	NUMBER OF NO. 5 BARS EACH
32	7	5	8
36	6¼	5¾	8
42	5¼	6¾	10
56	3	9	11

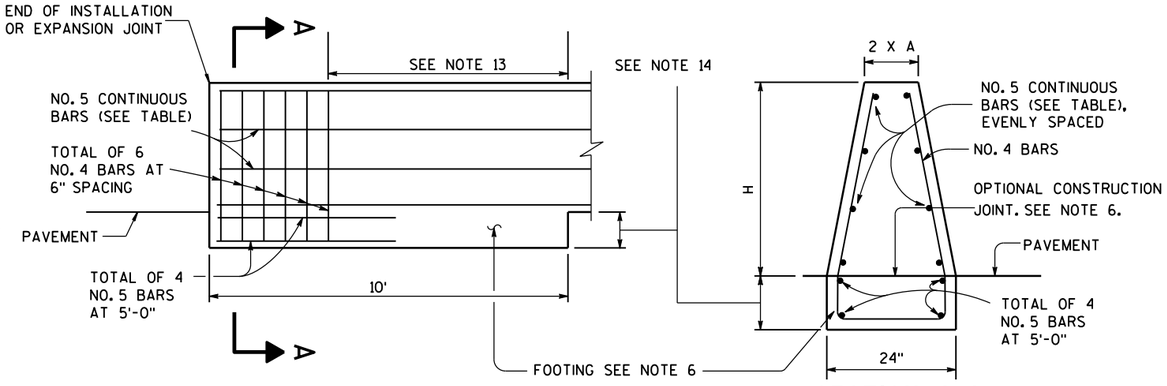


SINGLE SLOPE CONCRETE BARRIER AND RETAINING WALL (TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)

(BETWEEN ADJACENT ROADWAYS)



DELINEATION



END ANCHOR SINGLE SLOPE CONCRETE BARRIER

AT CONSTRUCTION JOINT

SECTION A-A

GENERAL NOTES

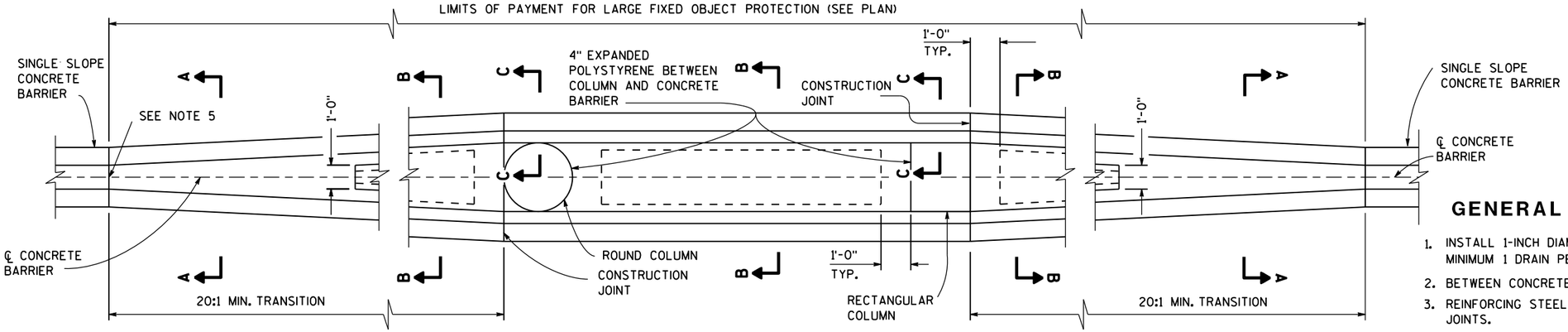
1. WHERE THE CONCRETE BARRIER IS ADDED TO THE FACE OF EXISTING CONCRETE STRUCTURE, MATCH EXISTING WEEP HOLES.
2. EXPANSION JOINTS IN CONCRETE BARRIER SHALL BE LOCATED AT ALL DECK, AND PRINCIPAL WALL JOINTS. EXPANSION JOINT FILLER MATERIAL SHALL BE THE SAME SIZE AS JOINT OR ½" MINIMUM.
3. WHERE VERTICAL ROADWAY OFFSET IS GREATER THAN 1½", USE TYPE A
4. PLACE BARRIER PERPENDICULAR TO SHOULDER GRADE, UNLESS INDICATED IN PLAN.
5. EXCEPT IN ANCHORS, VERTICAL REINFORCING STIRRUP NOT REQUIRED FOR ROADWAY OFFSETS LESS THAN 1'-0".
6. FOR TYPE S32, TYPE S36, TYPE S42, AND S56 MONOLITHIC FOOTING OR DOWELED FOOTING WITH 2-#8 x 8" @ 2'-0".
7. STAGGER LAPPING OF LONGITUDINAL STEEL. MINIMUM OVERLAP OF STEEL 2 FEET. BARS AT LAPS TO BE FIRMLY TIED OR CONNECTED.
8. 4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATION 501.
9. WHEN SWITCHING BETWEEN SLIP FORM AND CAST-IN-PLACE OPERATIONS, EXTEND LONGITUDINAL STEEL 3 FEET BEYOND SLIP-FORMING CUT OFF POINT. EXPOSED STEEL INTO NEXT POURS REINFORCEMENT. LAPS TO BE FIRMLY TIED.
10. USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.
11. 2" CLEAR COVER TYPICAL.
12. COLD-JOINTS MAY BE USED BETWEEN ANCHOR INSTALLATIONS. WHEN A COLD JOINT IS NEEDED, 3 FEET OF LAP OF LONGITUDINAL STEEL IS REQUIRED. LAPS TO BE FIRMLY TIED.
13. IN TYPE S32, TYPE S36, TYPE S42 AND TYPE S56 NO ADDITIONAL VERTICAL STEEL NEEDED. IN TYPE S32A, TYPE S36A, TYPE S42A AND TYPE S56A REQUIRES VERTICAL STEEL. SEE OTHER DETAIL.
14. IN TYPE S32, TYPE S36, TYPE S42 AND TYPE S56 DEPTH OF FOOTING 10". IN TYPE S32A, TYPE S36A, TYPE S42A AND TYPE S56A MATCH TOTAL HEIGHT OF SINGLE SLOPE BARRIER RETAINING WALL.
15. FOR ALL BARRIER TYPES SHOWN, ANCHOR IS REQUIRED AT CONCRETE BARRIER ENDS AND AT INTERRUPTIONS IN CONCRETE BARRIER. ANCHOR MAY BE AS SHOWN ON DRAWING OR DETAILS SHOWN ON S.D.D. 14B33. ANCHORS INCIDENTAL TO CBSS.
16. CONCRETE PAD UNDER CBSS MAY BE PLACED INTEGRAL WITH BARRIER, PLACED SEPARATELY OR PLACED WITH CONCRETE SHOULDER AND SAWED FULL DEPTH. CONCRETE PAD MINIMUM DEPTH IS 6 INCHES, OR EQUAL TO THE DEPTH OF THE CONCRETE SHOULDER.

CONCRETE BARRIER SINGLE SLOPE (CBSS)

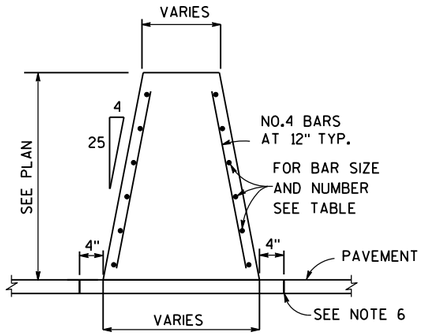
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

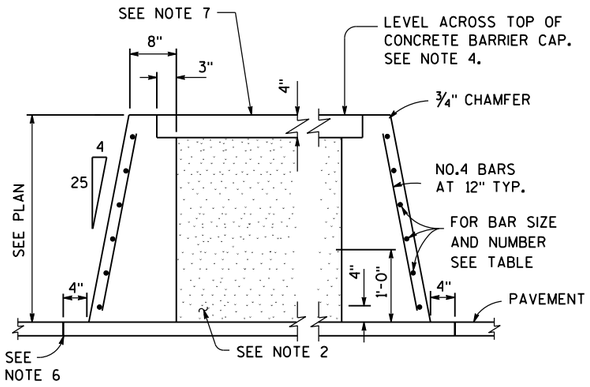
S.D.D. 14 B 32-5a



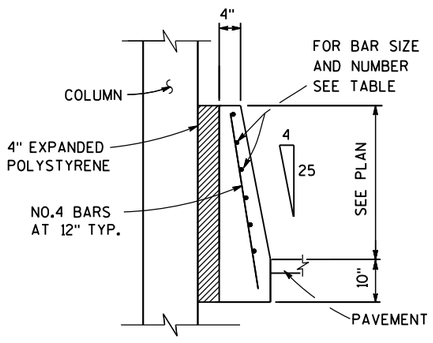
LARGE FIXED OBJECTS PROTECTION
TYPE S32, TYPE S36, TYPE S42, TYPE S56



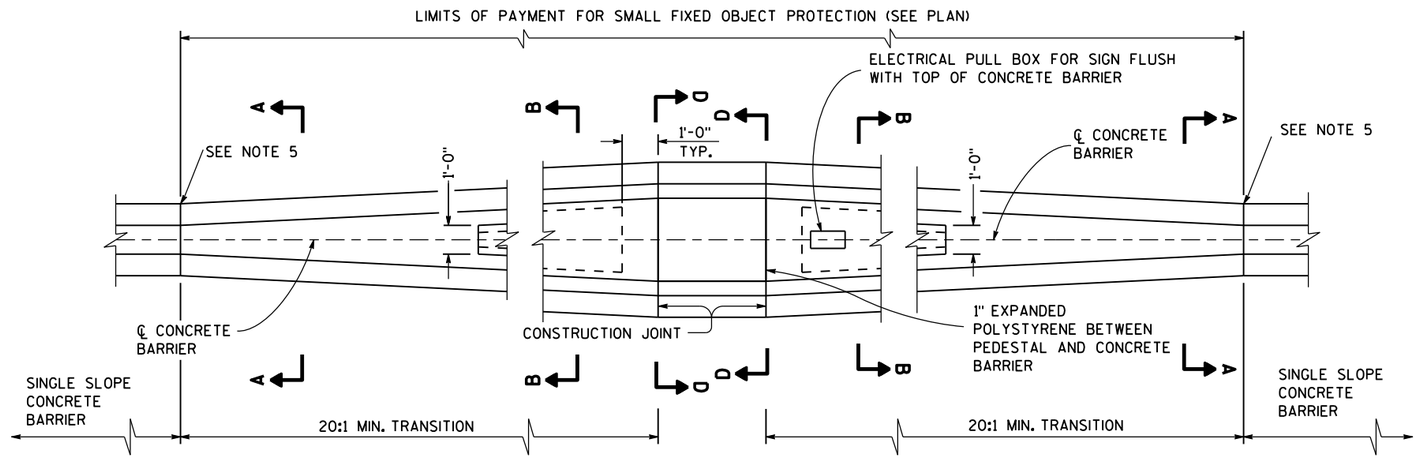
SECTION A-A



SECTION B-B



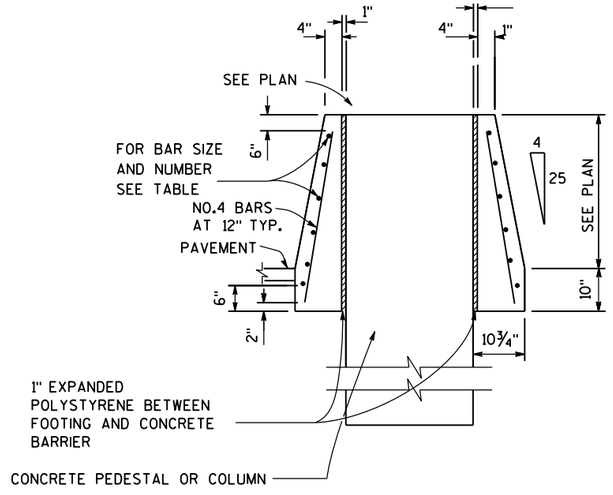
SECTION C-C



SMALL FIXED OBJECTS PROTECTION
TYPE S32, TYPE S36, TYPE S42, TYPE S56

GENERAL NOTES

1. INSTALL 1-INCH DIAMETER DRAIN PIPE EVERY 20 FEET OF CROSS SECTION B-B. MINIMUM 1 DRAIN PER CAVITY.
2. BETWEEN CONCRETE BARRIER WALLS FILL WITH FOUNDATION BACKFILL.
3. REINFORCING STEEL SHALL EXTEND CONTINUOUS THROUGH CONSTRUCTION JOINTS.
4. ADJUST HEIGHT OF CONCRETE BARRIER WALL ON LOW SIDE OF OFFSET OR SUPERELEVATED ROADWAYS TO PROVIDE LEVEL GRADE ACROSS TOP OF CONCRETE CAP.
5. IF FIXED OBJECT PROTECTION IS INSTALLED FIRST, USE COLD JOINTS. IF CBSS PLACED FIRST, USE EXPANSION JOINT.
6. CONCRETE PAD UNDER CBSS MAY BE PLACED INTEGRAL WITH BARRIER, PLACED SEPARATELY OR PLACED WITH CONCRETE SHOULDER AND SAWED FULL DEPTH. SAWING OF CONCRETE SHOULDER IS INCIDENTAL TO CONCRETE BARRIER BID ITEM. CONCRETE PAD MINIMUM DEPTH IS 6 INCHES, OR EQUAL TO THE DEPTH OF THE CONCRETE SHOULDER.
7. USE NO. 3 BAR SPACED 12 INCHES CENTER TO CENTER (PLACED IN EACH DIRECTION) OR EQUIVALENT WIRE MESH.



SECTION D-D

BARRIER HEIGHT H INCHES	BAR SIZE	NUMBER OF BARS EACH
32	4	6
36	4	6
42	5	6
56	5	9

CONCRETE BARRIER SINGLE SLOPE (CBSS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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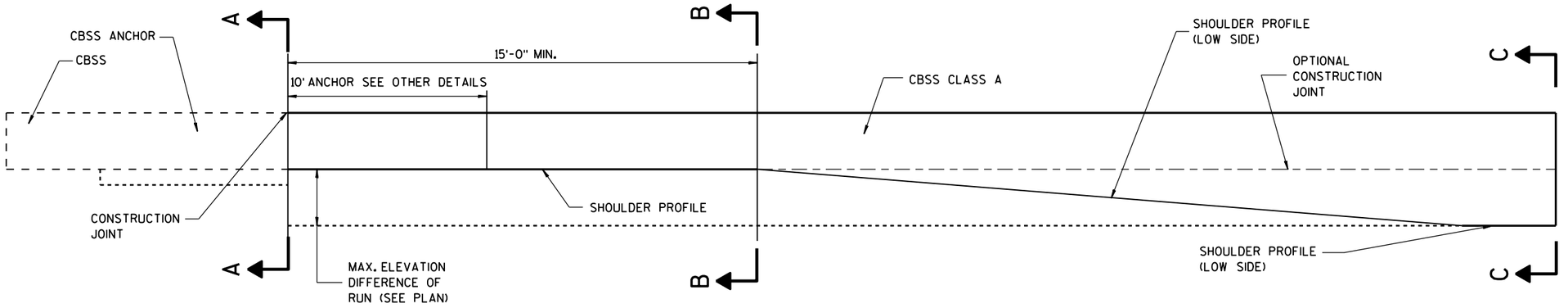
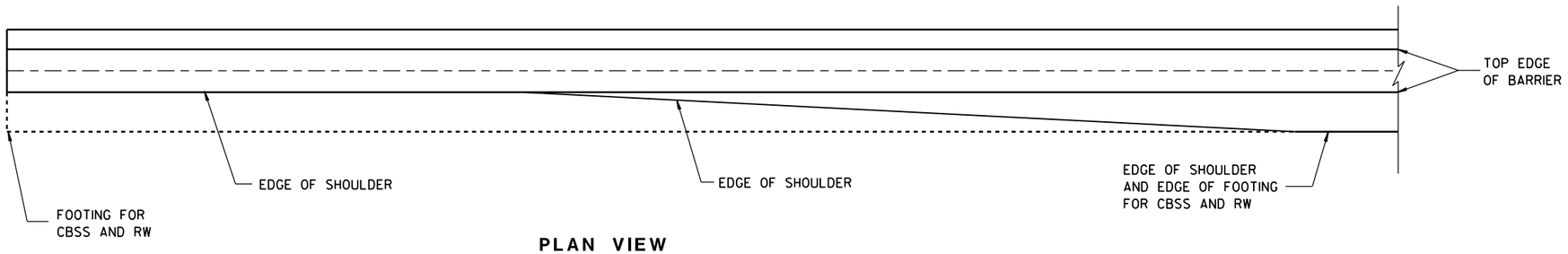
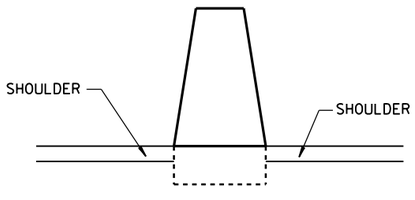
S.D.D. 14 B 32-5b



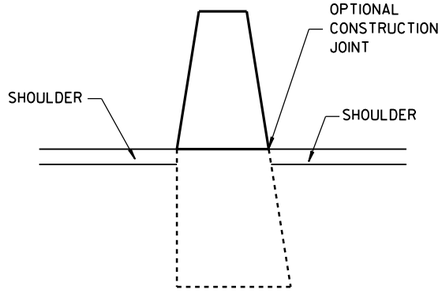
ELEVATION VIEW
TRANSITION TO CBSS CLASS A
(TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)



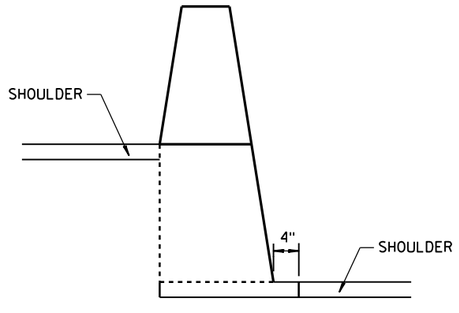
PLAN VIEW
TRANSITION TO CBSS CLASS A
(TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)



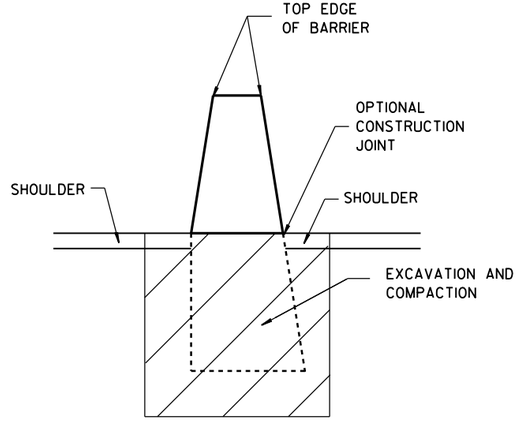
SECTION A-A



SECTION B-B



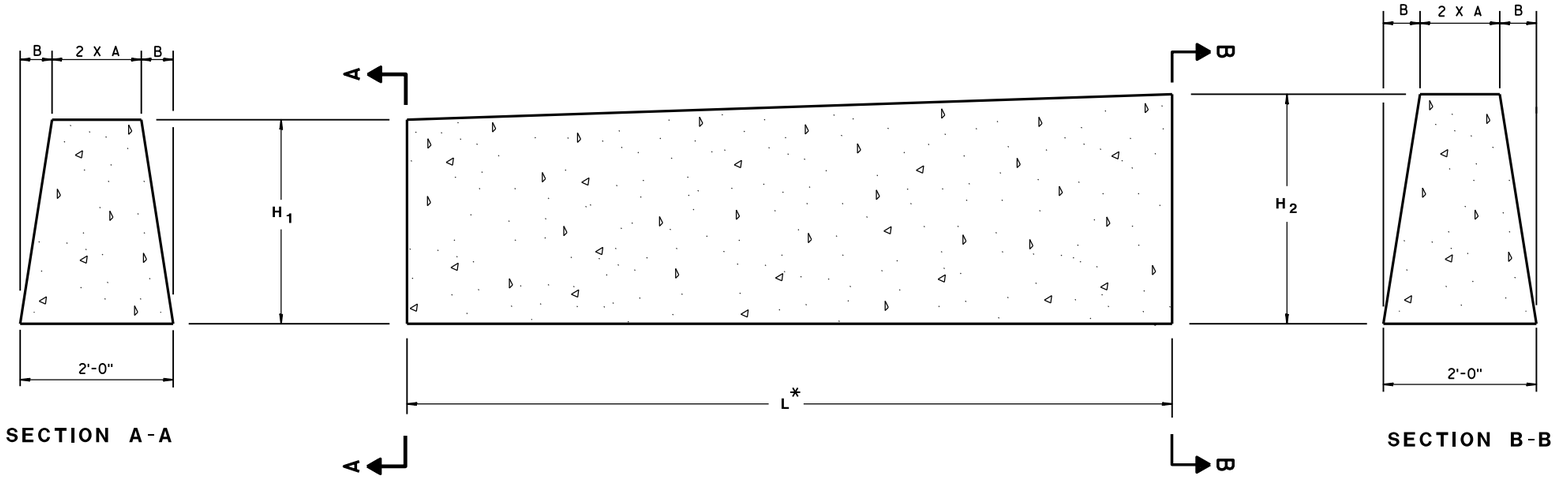
SECTION C-C



CONCRETE BARRIER SINGLE SLOPE (CBSS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6
S.D.D. 14 B 32-5c



SECTION A-A

SECTION B-B

DOUBLE COLD JOINT HEIGHT TRANSITION

BARRIER DIMENSIONS

BARRIER HEIGHT INCHES	A INCHES	B INCHES
32	7	5
36	6 1/4	5 3/4
42	5 1/4	6 3/4
56	3	9

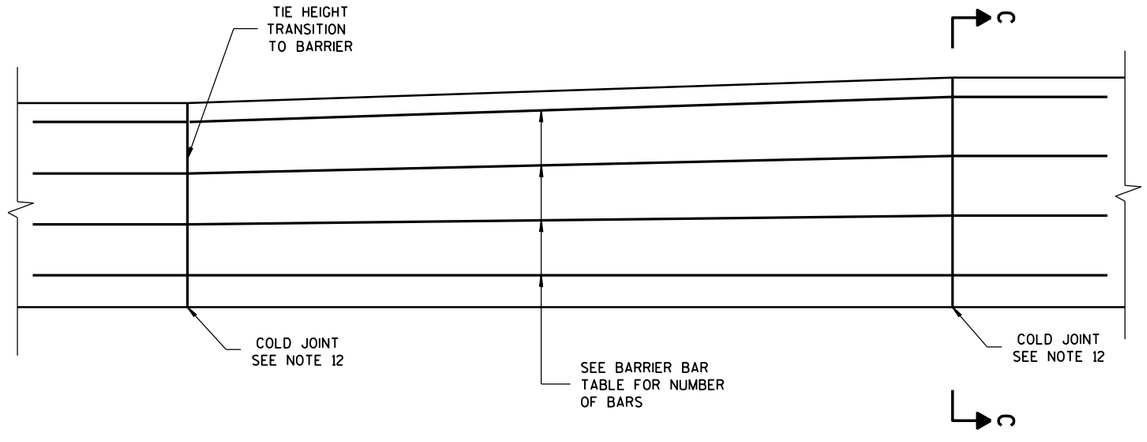
MULTIPLE HEIGHT TRANSITIONS MAY BE USED IN SEQUENCE TO GET TO APPROPRIATE HEIGHT.

USE COLD JOINT TO CONNECT MULTIPLE HEIGHT TRANSITIONS.

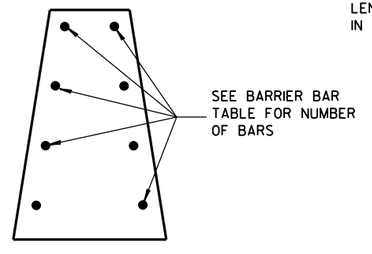
BARRIER BARS

H_1	H_2	L*	NUMBER OF NO. 5 BARS
32"	36"	10'-0"	8
36"	42"	10'-6"	10
42"	56"	24'-6"	11

* LENGTH OF DOUBLE COLD JOINT INCLUDED IN THE TOTAL LENGTH OF CBSS.



STEEL REINFORCEMENT DETAIL



SECTION C-C

CONCRETE BARRIER SINGLE SLOPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS D
UNIT SUPERVI

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FHWA

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S.D.D. 14 B 32-5d

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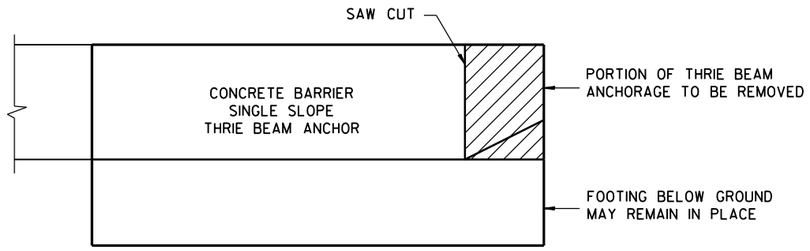
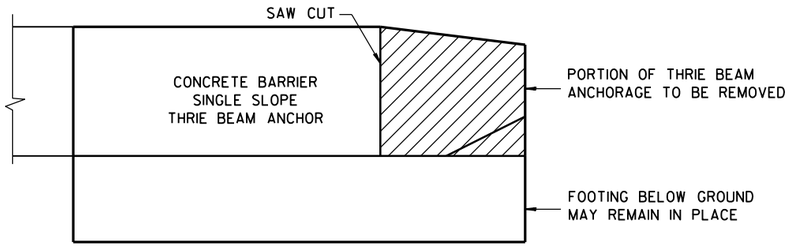
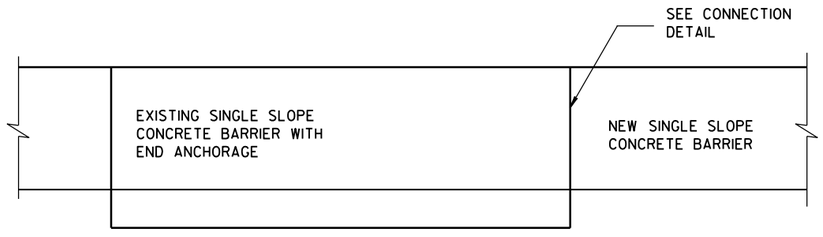
S.D.D. 14 B 32-5d



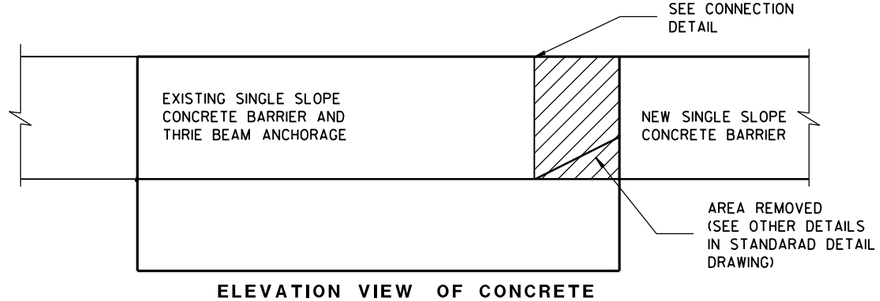
REMOVAL AREA OF
32" CONCRETE THRIE BEAM ANCHORAGE



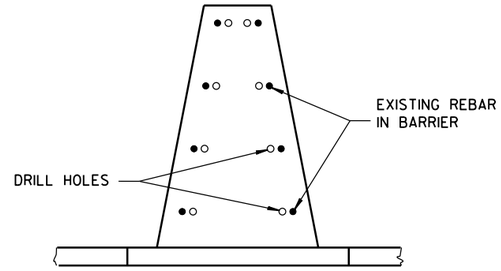
REMOVAL AREA OF CONCRETE THRIE BEAM
ANCHORAGE WITH HEIGHT GREATER THAN 32"



ELEVATION VIEW OF CONCRETE
BARRIER EXTENSION NEAR END ANCHORAGE



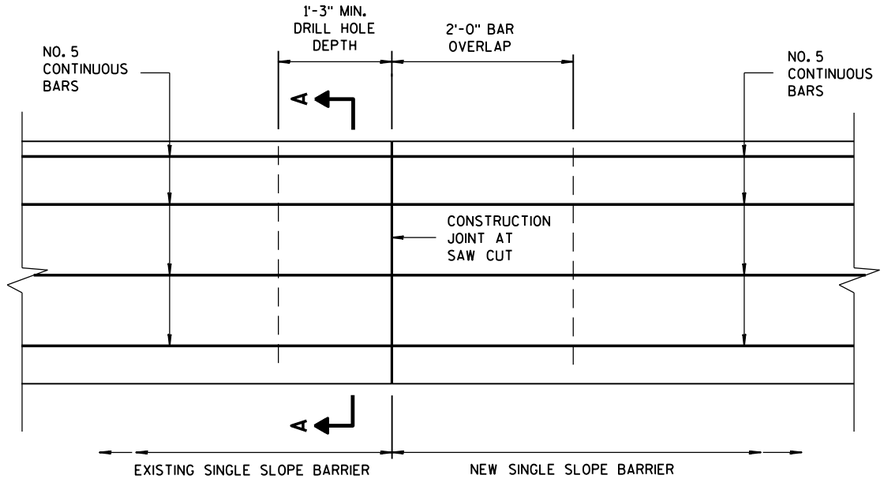
ELEVATION VIEW OF CONCRETE
BARRIER EXTENSION NEAR THRIE BEAM TERMINAL



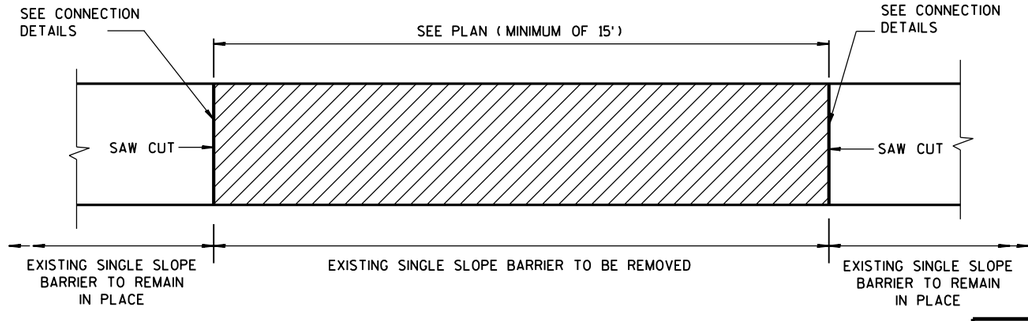
SECTION A-A

GENERAL NOTES

1. THE NUMBER OF DRILL HOLES IS EQUAL TO THE NUMBER OF REBAR IN BARRIER (SEE OTHER DETAILS).
2. MINIMUM DEPTH OF DRILL HOLES IS 1'-3".
3. DRILL HOLES TO BE A MINIMUM OF 4 INCHES FROM THE EDGE OF CONCRETE.
4. INSTALL EPOXY COATED NO. 5 BARS IN DRILL HOLES.
5. END ANCHORAGE MAY OR MAY NOT BE PRESENT ON EXISTING BARRIER.
6. REMOVE THRIE BEAM ANCHORAGE AS SHOWN.



CONNECTION OF EXISTING SINGLE SLOPE CONCRETE BARRIER TO
NEW SINGLE SLOPE CONCRETE BARRIER



ELEVATION FILE
BARRIER REMOVAL AND REPLACEMENT

CONCRETE BARRIER
SINGLE SLOPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D[illegible] UNIT SUPERVI[illegible]
FHWA

RETROFIT OR REPAIR SINGLE SLOPE CONCRETE BARRIER

6

S.D.D. 14 B 32-5e

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S.D.D. 14 B 32-5e

① WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

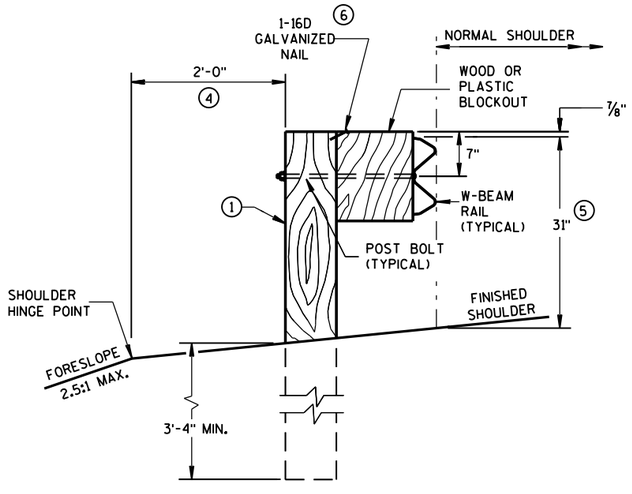
② USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

③ IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2½ INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

④ WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

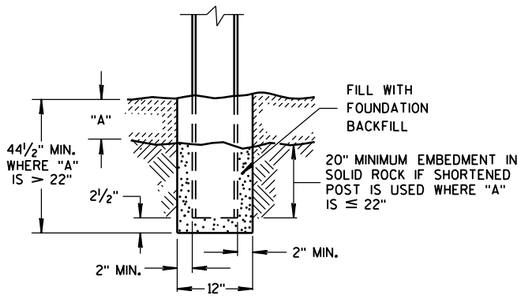
⑤ FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27¾" TO 32".

⑥ WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



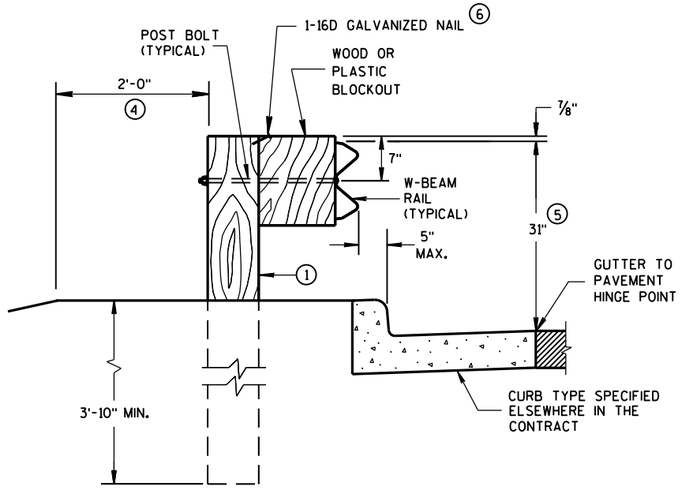
END VIEW

LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



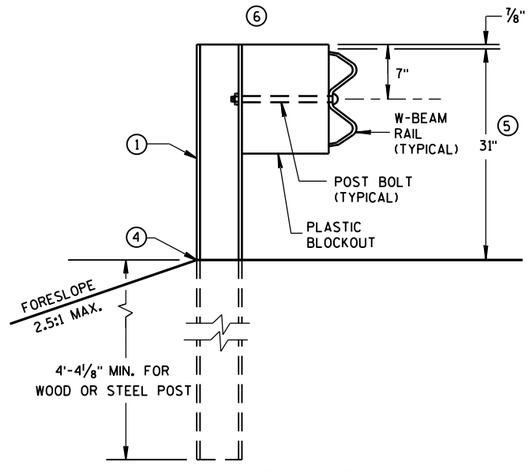
END VIEW

SETTING STEEL OR WOOD POST IN ROCK ③



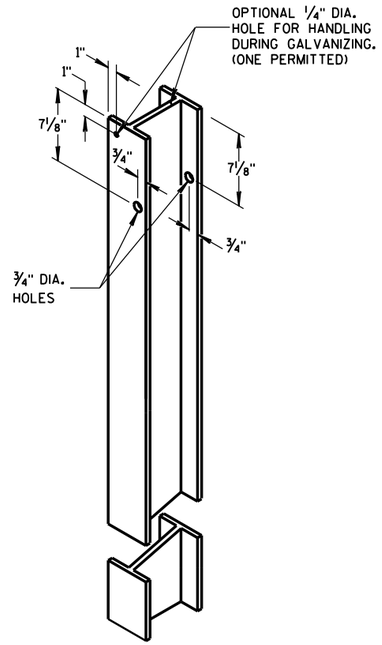
END VIEW

LOCATED ALONG A CURBED ROADWAY

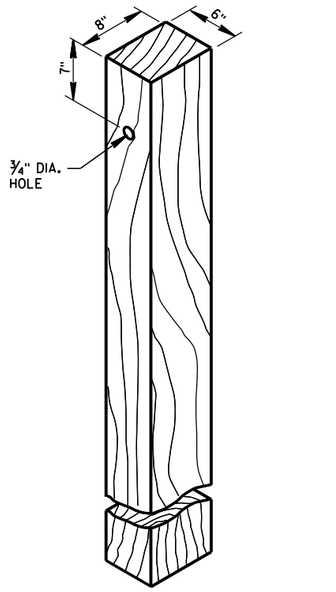


END VIEW

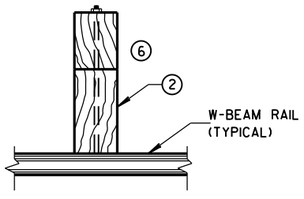
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



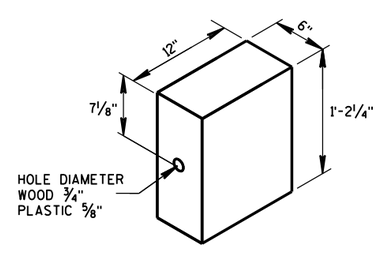
STEEL POST &
HOLE PUNCHING DETAIL
(w6X9) ①



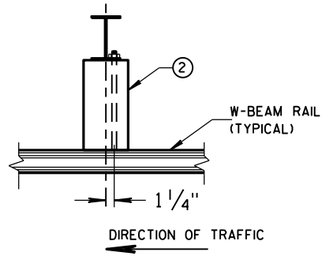
WOOD POST
(6" X 8") NOMINAL ①



PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



WOOD OR
PLASTIC BLOCKOUT ②



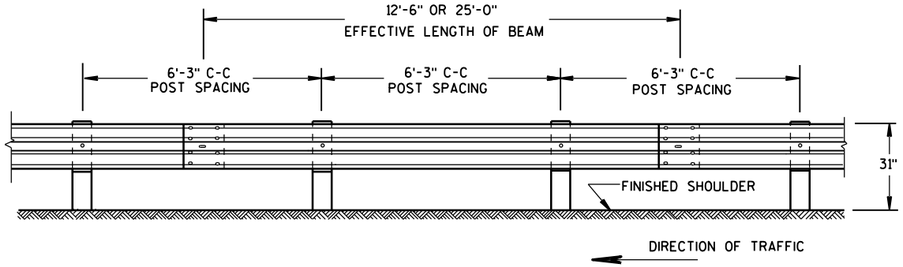
PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

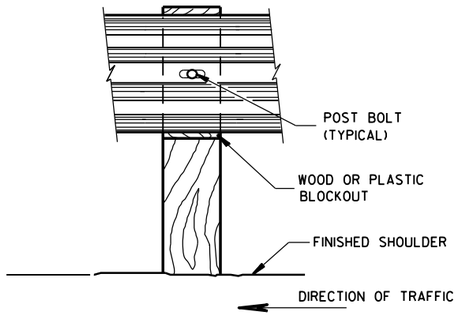
6

S.D.D. 14 B 42-5a



FRONT VIEW

POST SPACING STANDARD INSTALLATION



FRONT VIEW AT WOOD POST

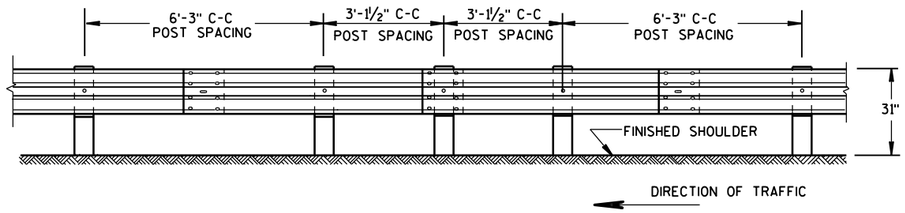
GENERAL NOTES

(8) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL. RAIL SPLICE LOCATIONS ARE THE ONLY ACCEPTABLE LOCATIONS FOR REFLECTORS.

(11) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

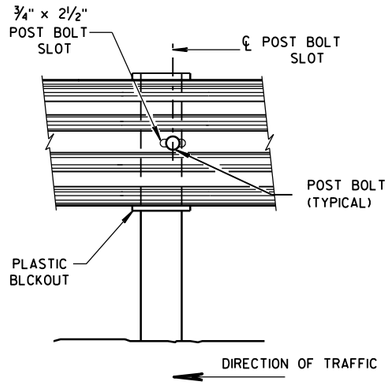
POST BOLTS ARE A 5/8" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES 5/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND 5/8" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

GUARD RAIL SPLICE BOLTS ARE A 5/8" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES 5/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

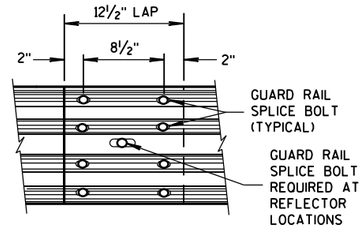


FRONT VIEW

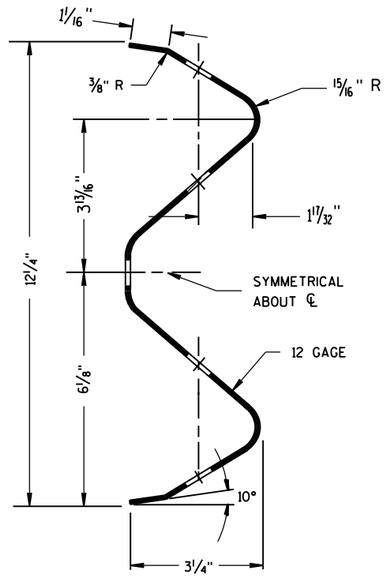
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



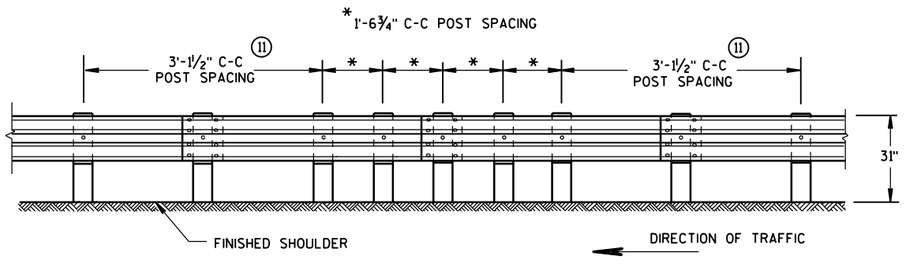
FRONT VIEW AT STEEL POST



FRONT VIEW
MID-SPAN BEAM SPLICE

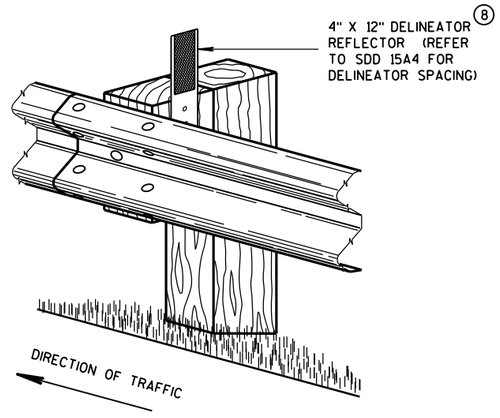


SECTION THRU W-BEAM RAIL



FRONT VIEW

QUARTER POST SPACING (QS)



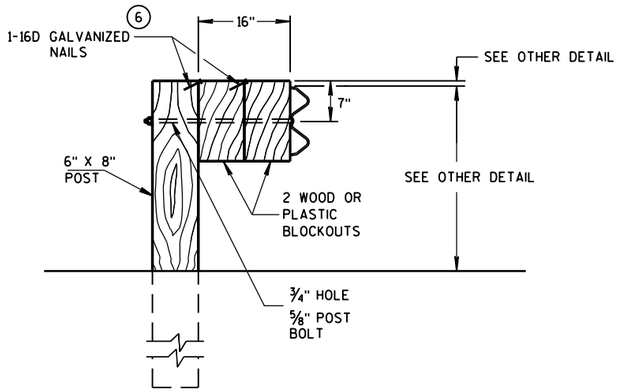
ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

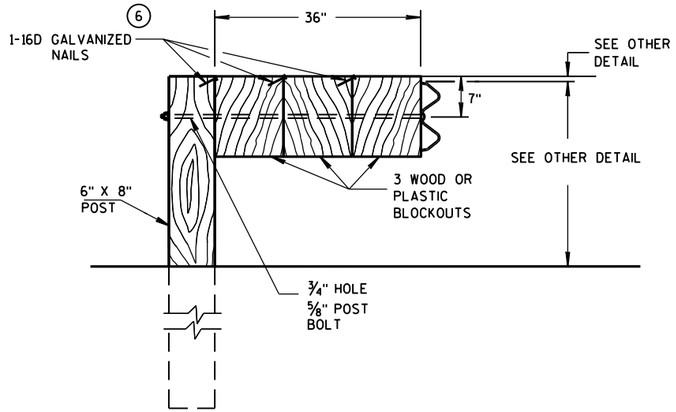
6

S.D.D. 14 B 42-5b



DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

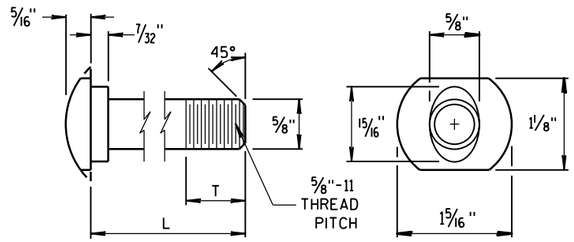


DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

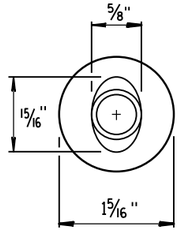
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 1/16".
2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

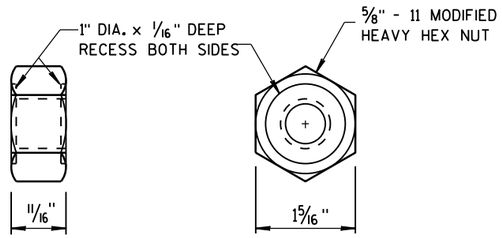


POST BOLT TABLE

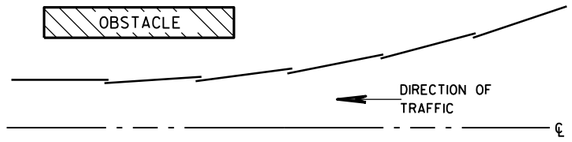
L	T (MIN.)
1¼"	1⅛"
2"	1¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



ALTERNATE BOLT HEAD

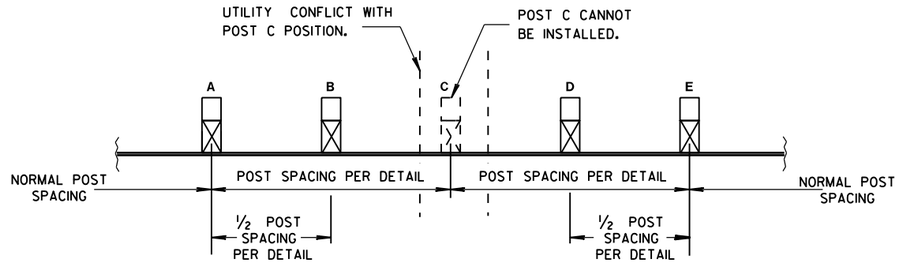


POST BOLT, SPLICE BOLT AND RECESS NUT

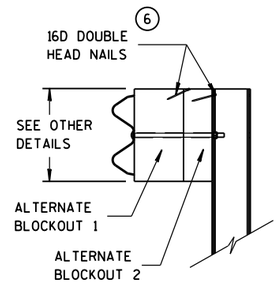


PLAN VIEW

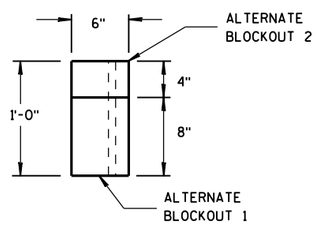
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



SIDE VIEW



TOP VIEW

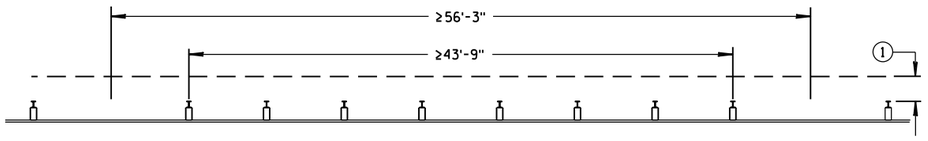
ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

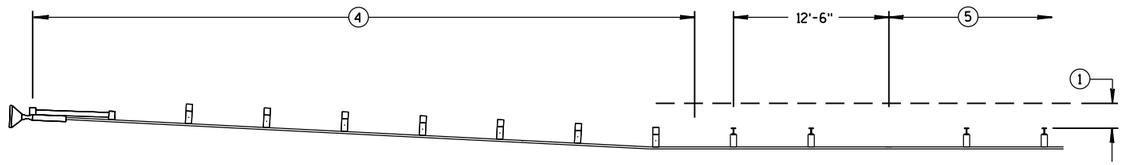
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

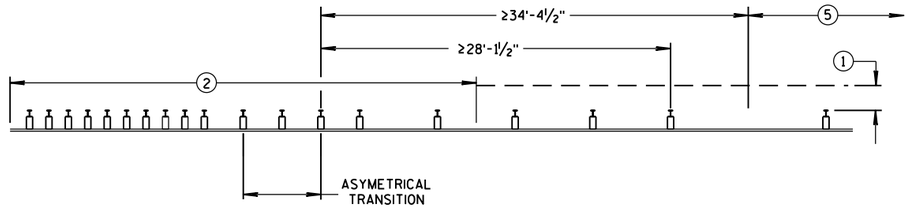
S.D.D. 14 B 42-5c



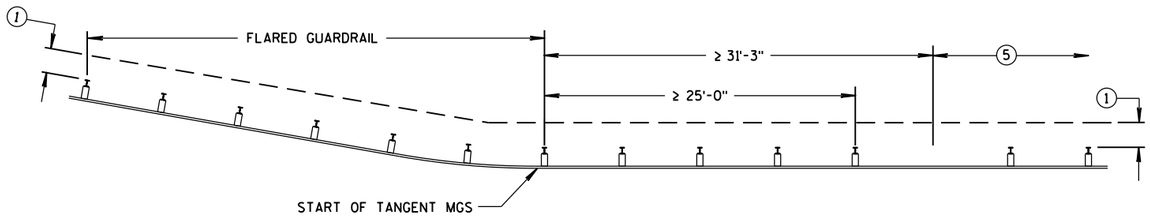
MISSING POST IN NORMAL BEAM GUARD RUN



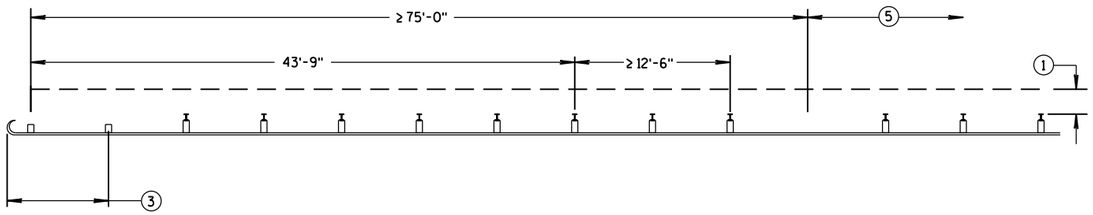
MISSING POST IN NORMAL BEAM GUARD RUN NEAR EAT



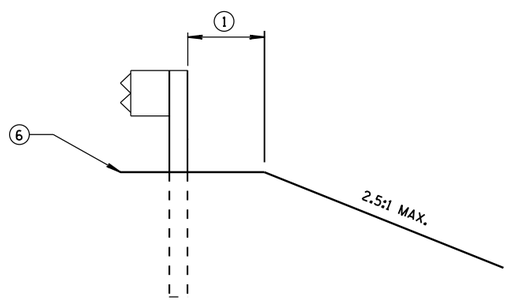
MISSING POST NEAR APPROACH THRIE BEAM TRANSITION



MISSING POST IN NORMAL BEAM GUARD RUN
NEAR FLARED BEAM GUARD



MISSING POST IN NORMAL BEAM GUARD RUN
NEAR TYPE 2 TERMINAL



CROSS SECTION VIEW

(1) MINIMUM OF 2 FEET OF GRADING BEHIND POST.

(2) SEE SDD 14B45 FOR MORE DETAILS.

(3) SEE SDD 14B47 FOR MORE DETAILS.

(4) SEE SDD 14B44 FOR MORE DETAILS.

(5) SEE MISSING POST IN NORMAL BEAM GUARD RUN FOR DISTANCE TO NEXT MISSING POST AND AREA FOR WELL DRAINED, COMPACTED SOILS.

(6) SEE PLAN FOR SHOULDER DESIGN.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

6

S.D.D. 14 B 42-5d

6

S.D.D. 14 B 42-5d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL), AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.

(C) DIFFERENT MANUFACTURES REQUIRE DIFFERENT PERFORATED W-BEAM RAIL END PANELS. SEE MANUFACTURES INFORMATION.

(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

(H) HARDWARE VARIES BETWEEN DIFFERENT MANUFACTURES. SEE MANUFACTURE'S DRAWING FOR INFORMATION.

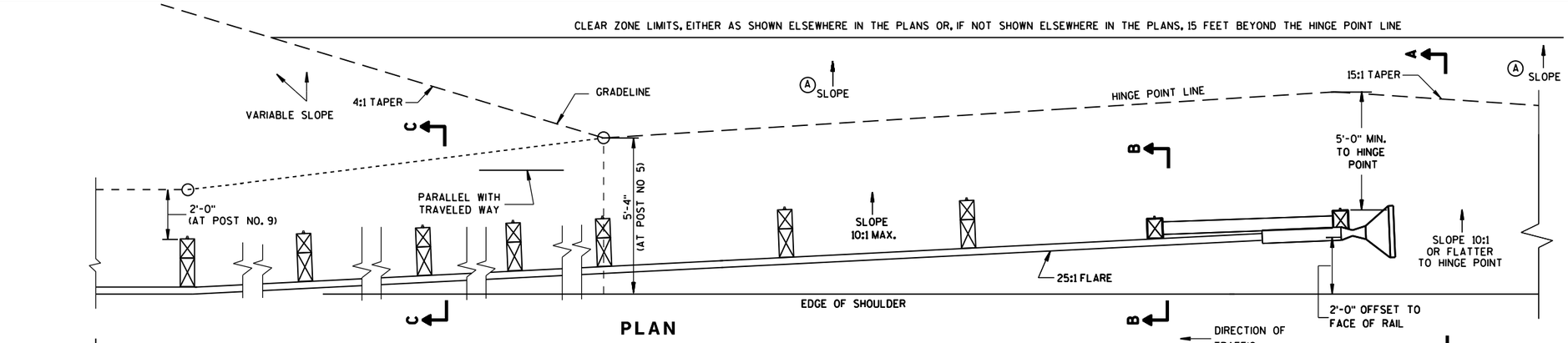
SEE SDD 14B42 FOR MORE INFORMATION.

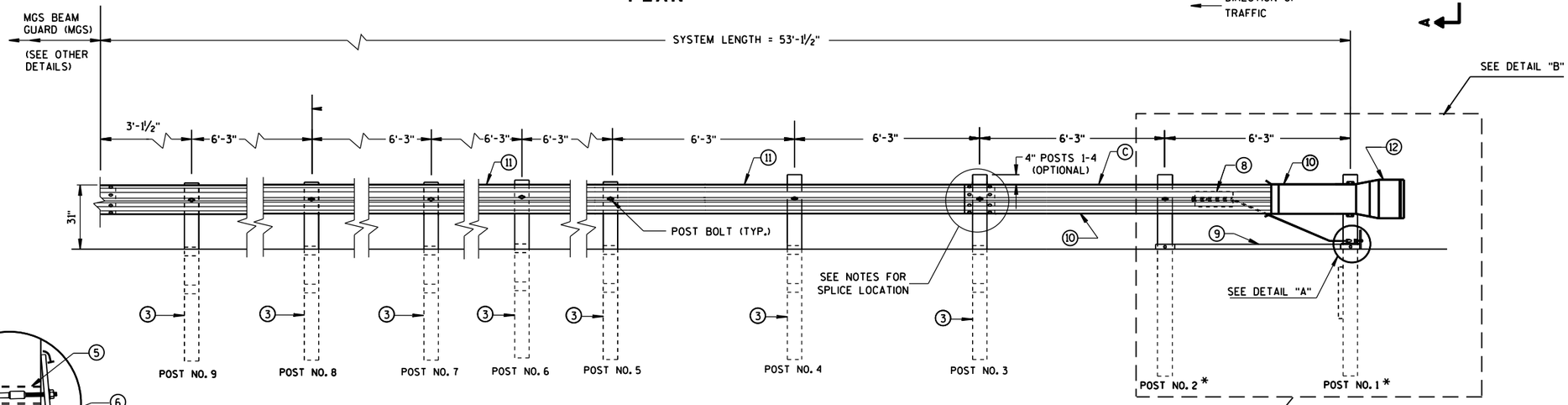
* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

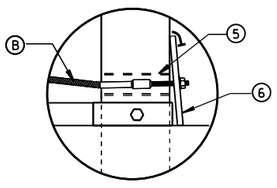
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

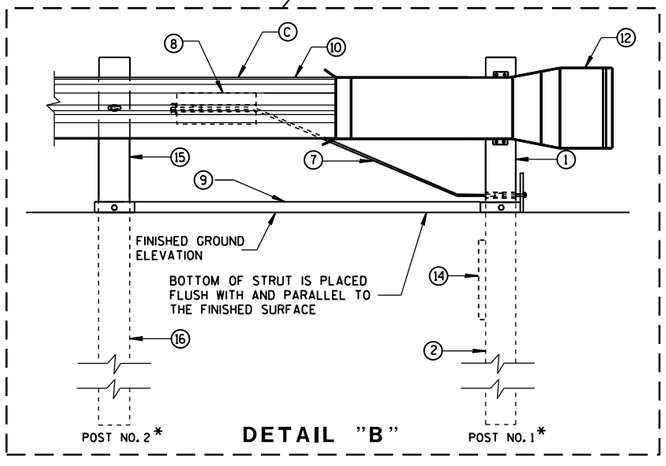
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

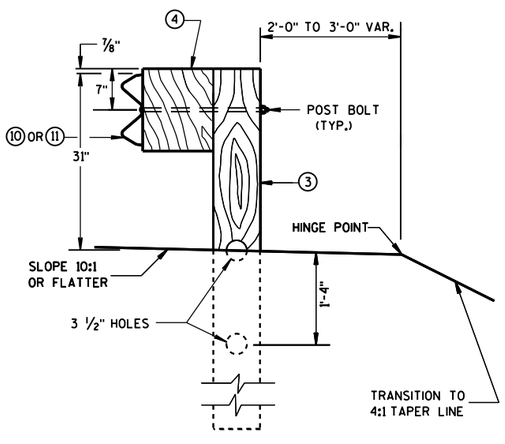
THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE.

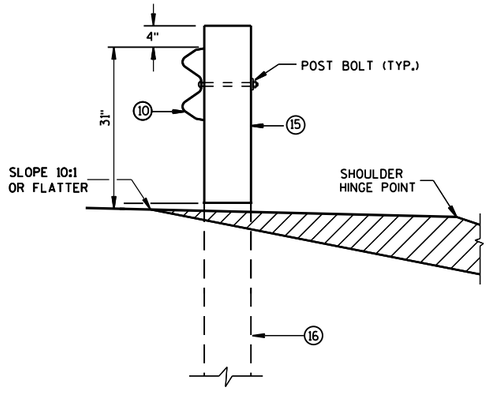


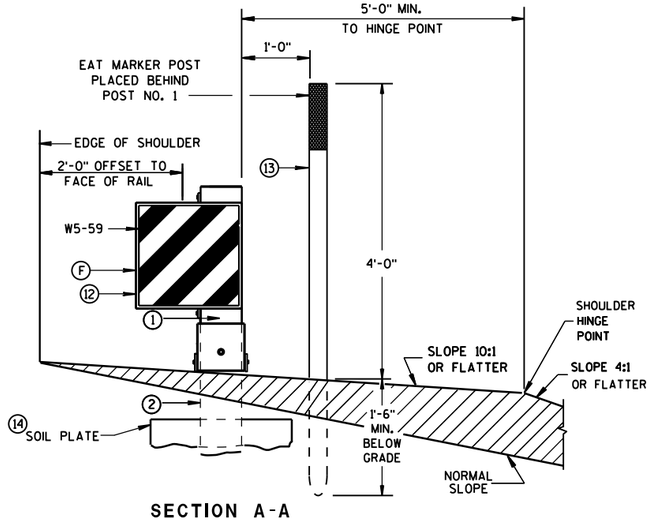












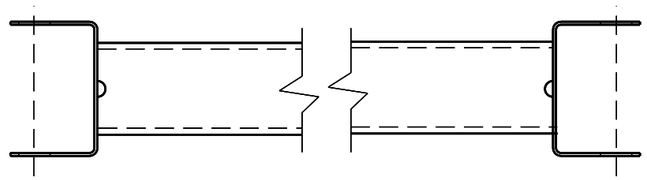
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPO	344

6

S.D.D. 14 B 44-3a

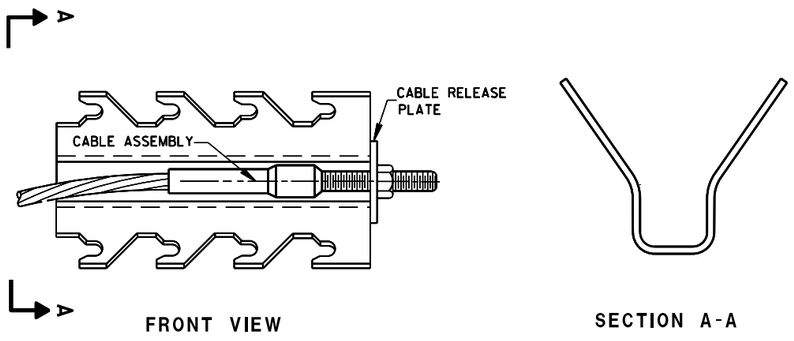
6

S.D.D. 14 B 44-3a



(9) (H)

GENERIC GROUND STRUT



FRONT VIEW

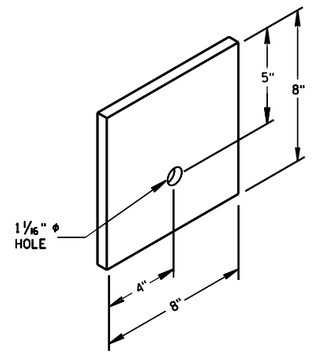
SECTION A-A

(8) (H)

GENERIC ANCHOR CABLE BOX

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
(1)	UPPER POST NO. 1 6" X 6" TUBE
(2)	LOWER POST NO. 1
(3)	WOOD CRT
(4)	WOOD BLOCKOUT
(5)	PIPE SLEEVE
(6)	BEARING PLATE
(7)	BCT CABLE ASSEMBLY
(8)	ANCHOR CABLE BOX
(9)	GROUND STRUT
(10)	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
(11)	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
(12)	IMPACT HEAD
(13)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
(14)	SOIL PLATE
(15)	UPPER POST NO. 2
(16)	LOWER POST NO. 2



(6)

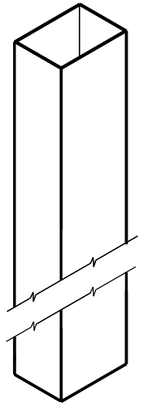
BEARING PLATE

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

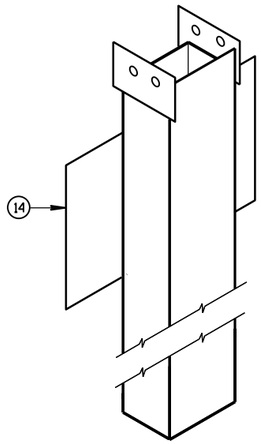
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

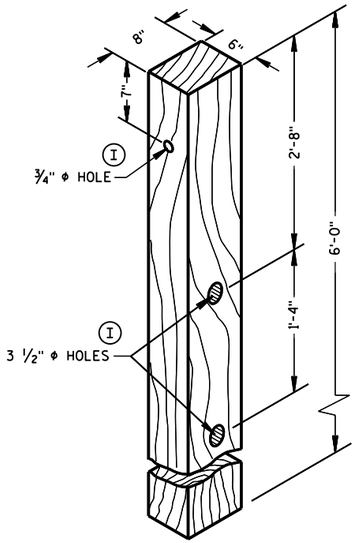
S.D.D. 14 B 44-3b



UPPER POST NO. 1 (1)

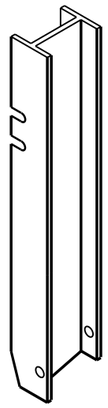


LOWER POST NO. 1 (2)

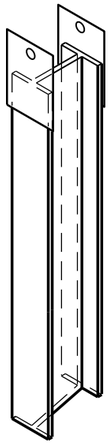


POSTS NUMBER 3-9

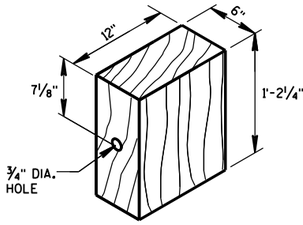
WOOD CRT POST (3)



UPPER POST NO. 2 (15)

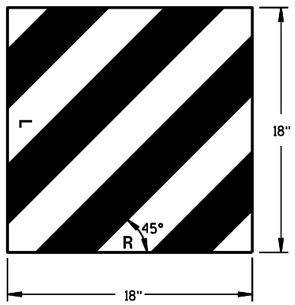


LOWER POST NO. 2 (16)



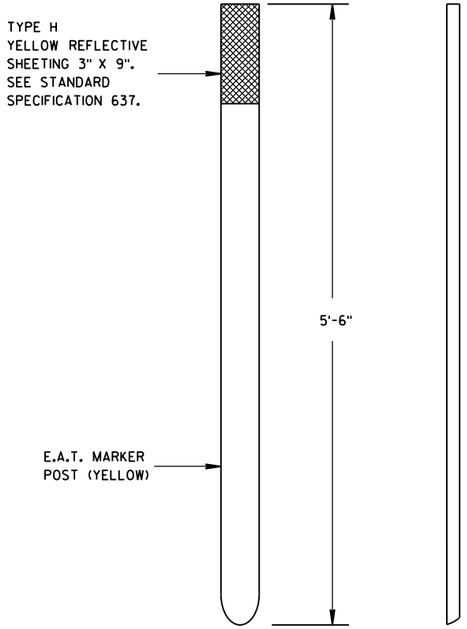
WOOD BLOCKOUT (4)

REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



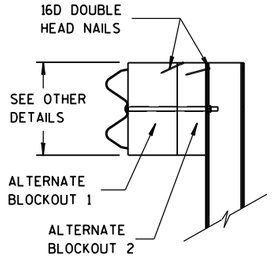
W5-59

REFLECTIVE SHEETING DETAIL (H)

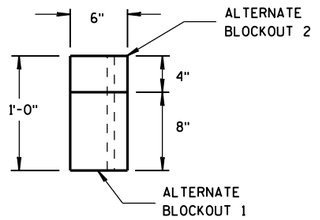


FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW



TOP VIEW

ALTERNATE WOOD
BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

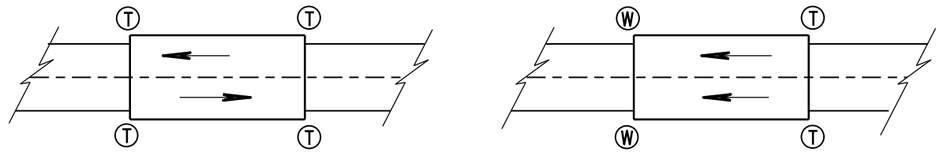
June 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS
UNIT SUPERVISOR

FHWA

6

S.D.D. 14 B 44-3c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

Ⓣ THRIE BEAM CONNECTION

Ⓦ W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

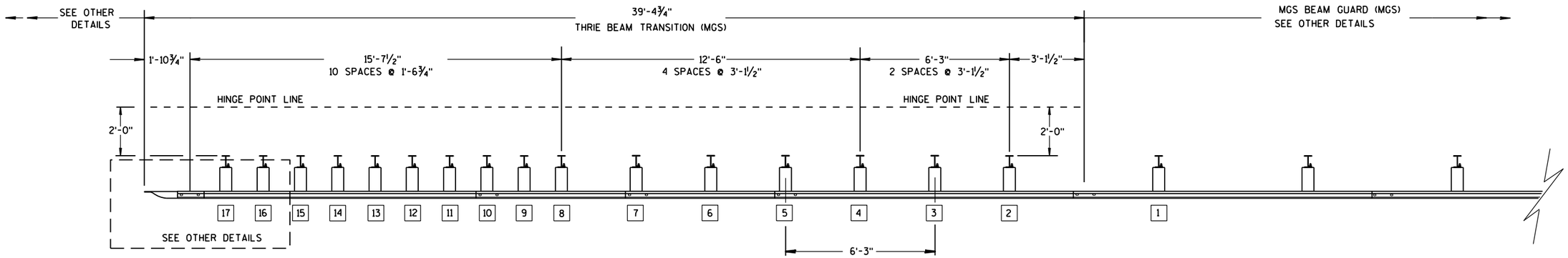
IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

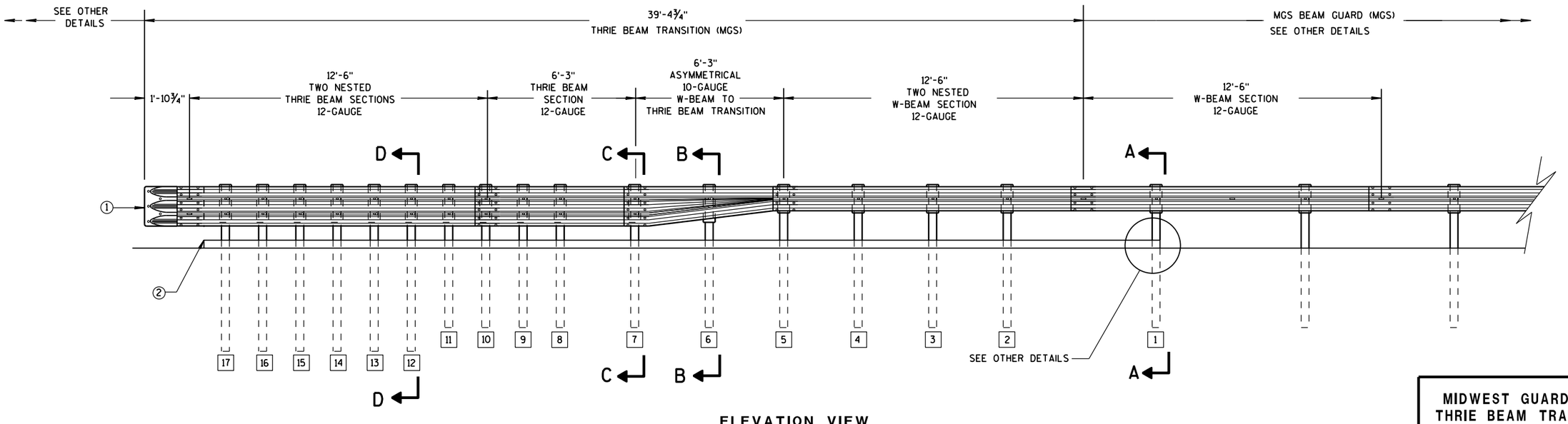
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

① BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

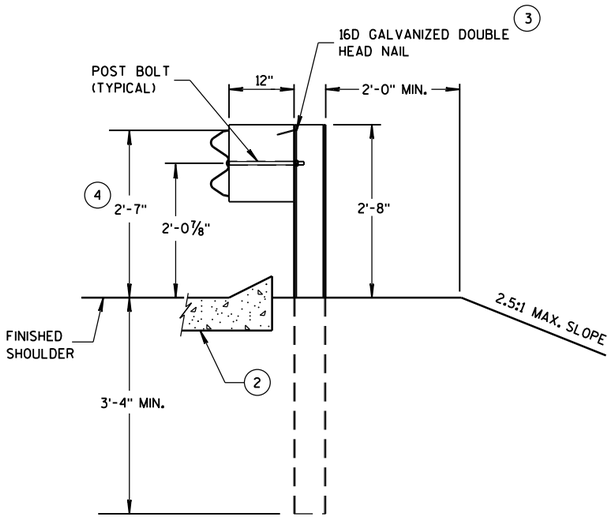
S.D.D. 14 B 45-4a

GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE_FEATURE SEE PLAN FOR INFORMATION.

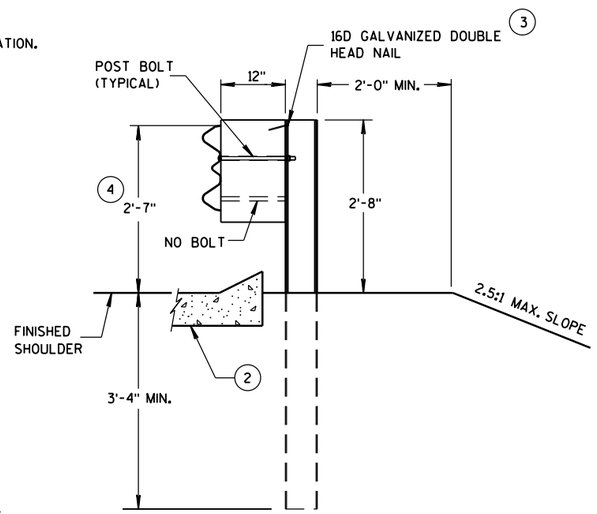
(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



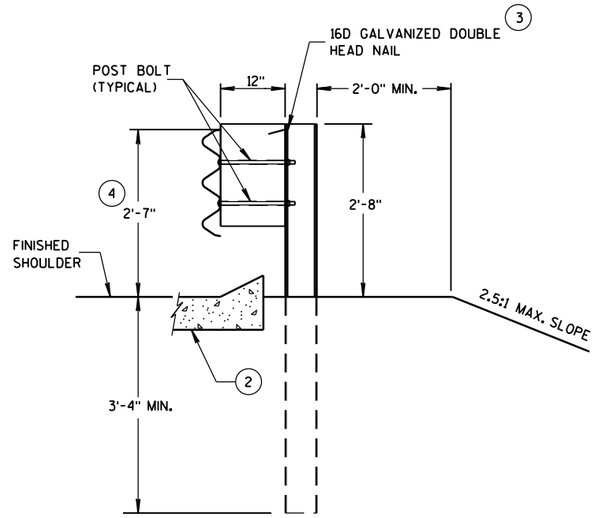
SECTION A-A

POSTS 1-5



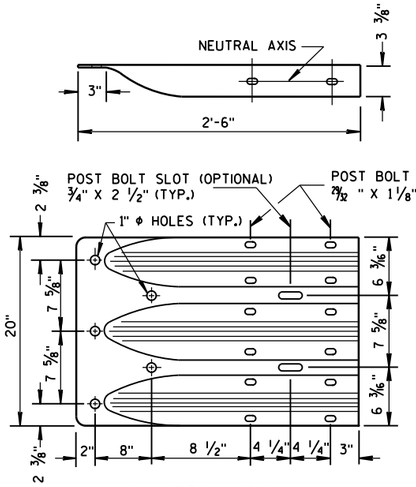
SECTION B-B

POST 6



SECTION C-C

POSTS 7-11



THRIE BEAM TERMINAL CONNECTOR

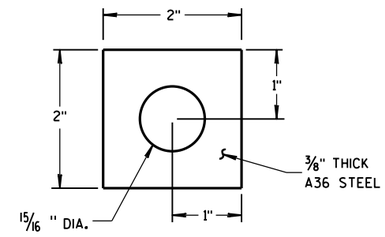
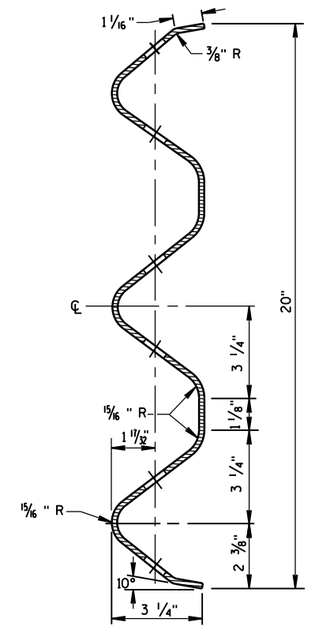
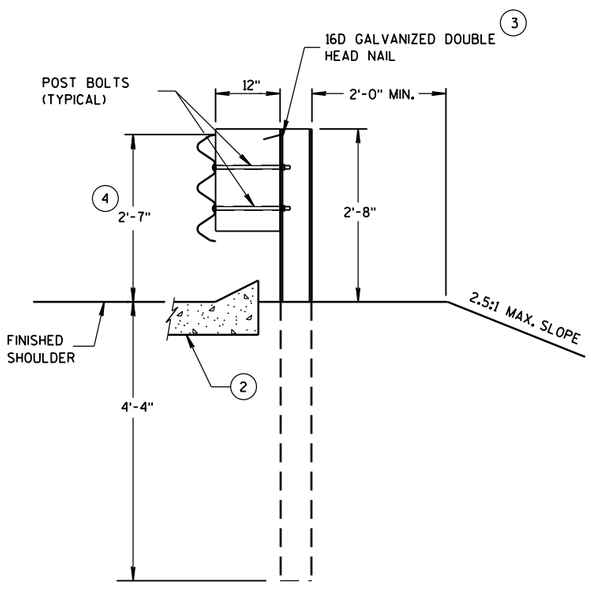


PLATE WASHER DETAIL

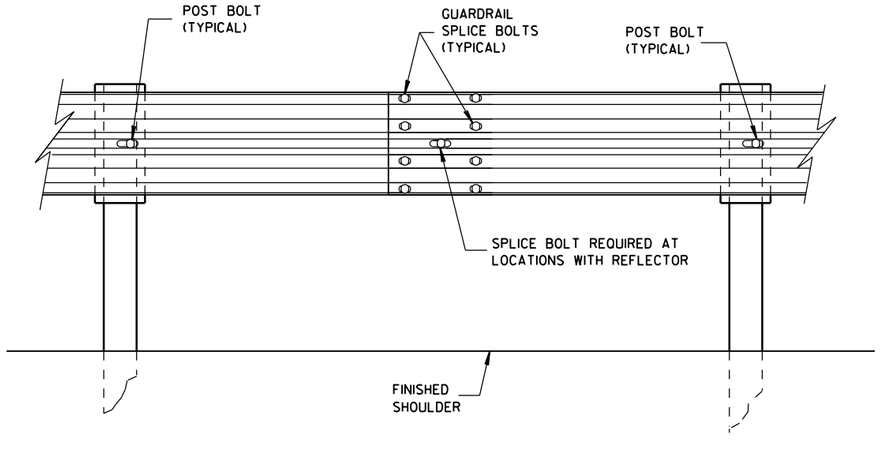


SECTION THRU THRIE BEAM RAIL ELEMENT



SECTION D-D

POSTS 12-17



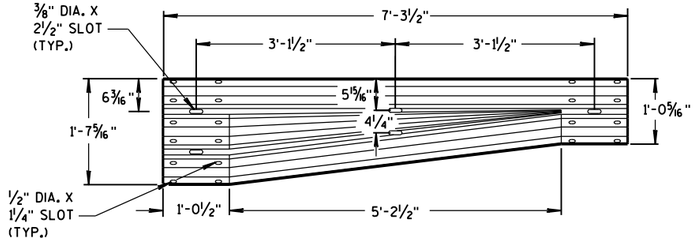
SPLICE DETAIL

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

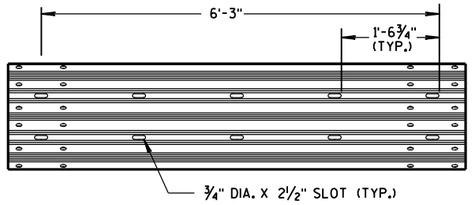
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

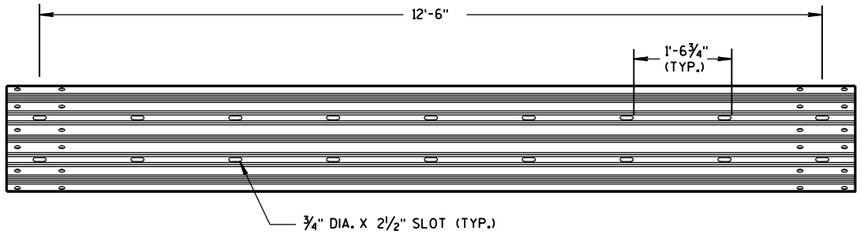
S.D.D. 14 B 45-4b



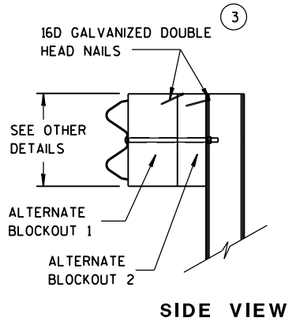
W-BEAM TO THRIE BEAM TRANSITION SECTION



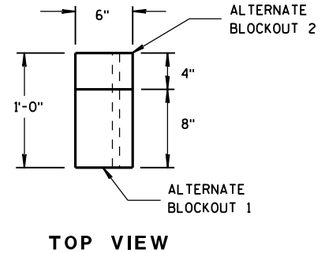
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

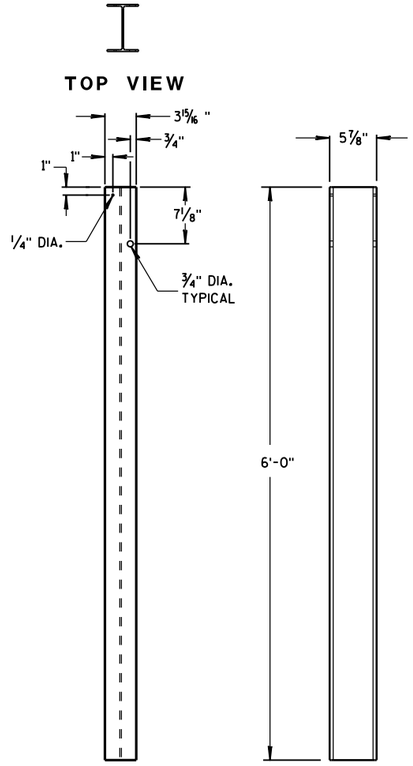


SIDE VIEW

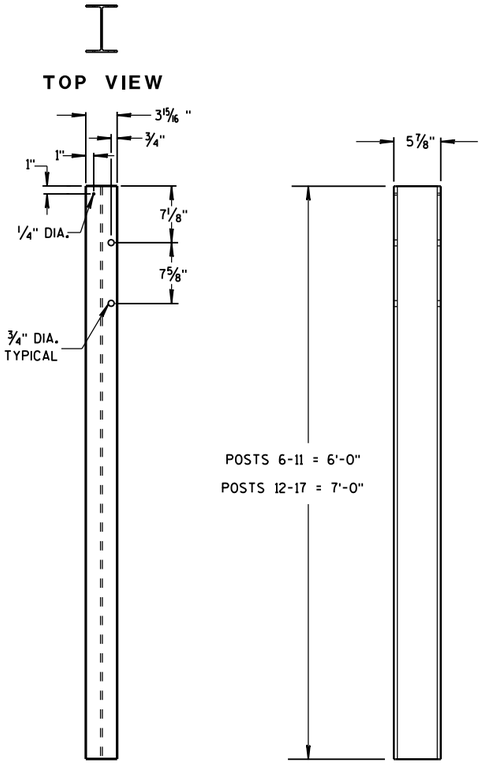


TOP VIEW

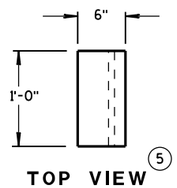
ALTERNATE WOOD BLOCKOUT DETAIL



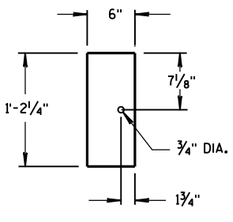
STEEL POSTS 1-5



STEEL POSTS 6-17

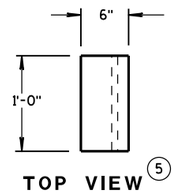


TOP VIEW (5)

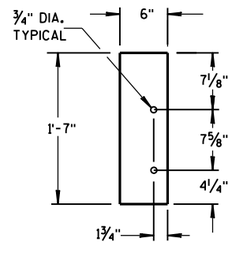


FRONT VIEW

BLOCKOUT POSTS 1-5



TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

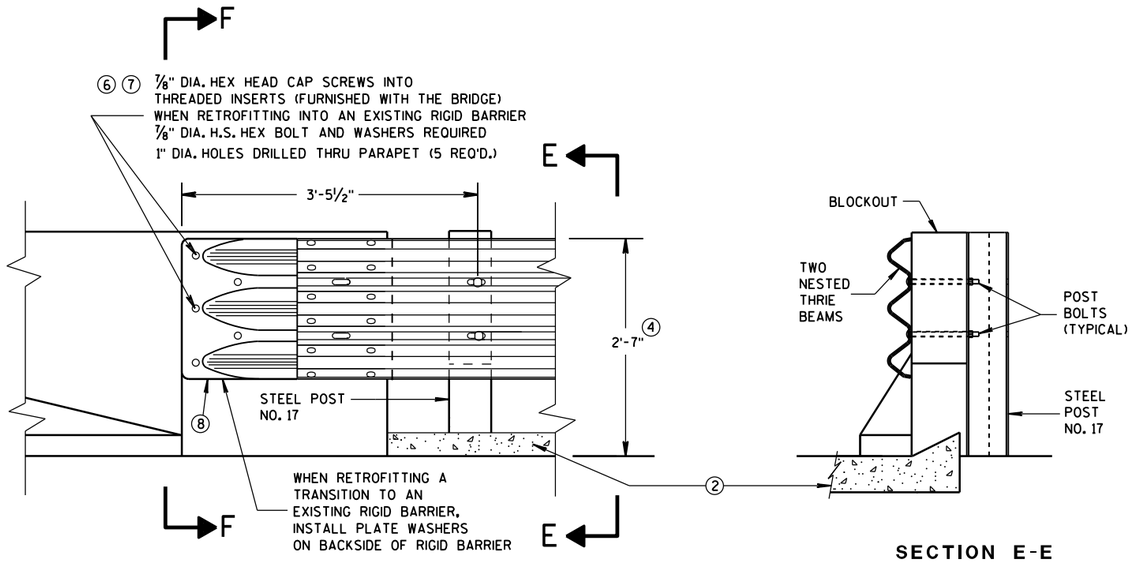
(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 45-4c
S.D.D. 14 B 45-4c



FRONT VIEW

SECTION E-E

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

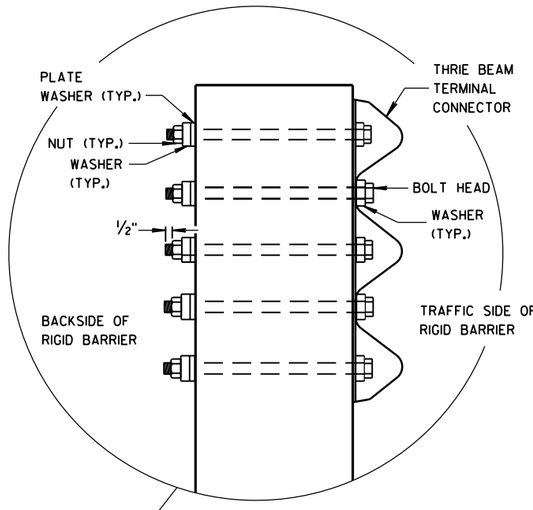
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

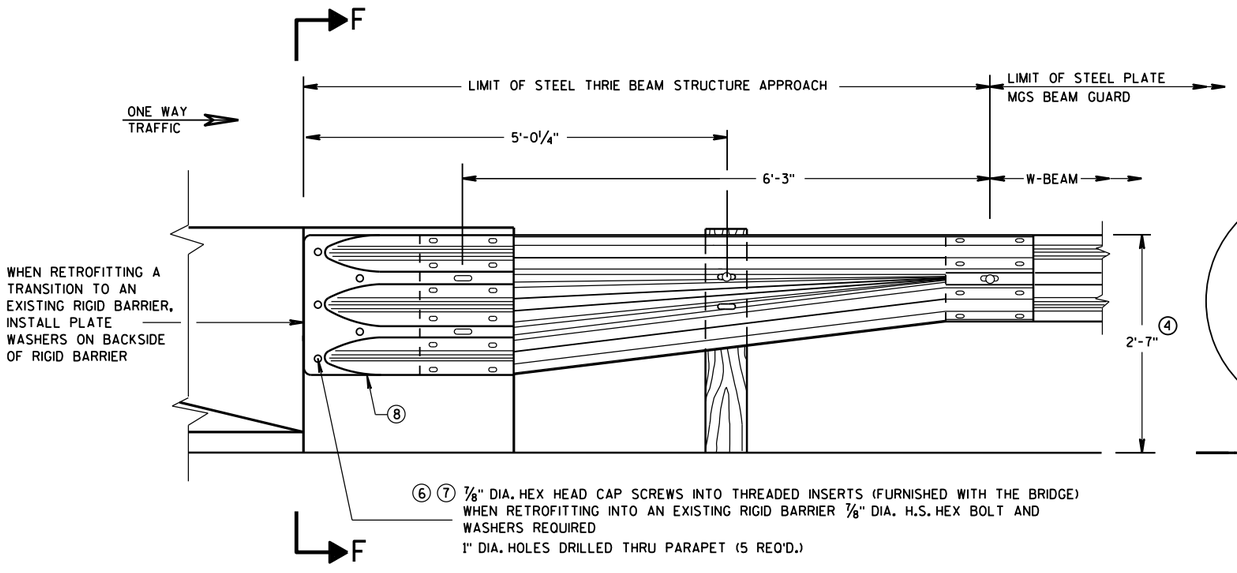
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

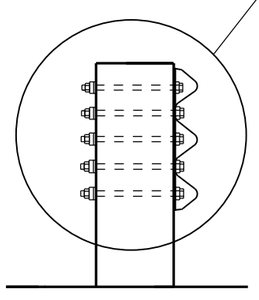
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

⑧ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

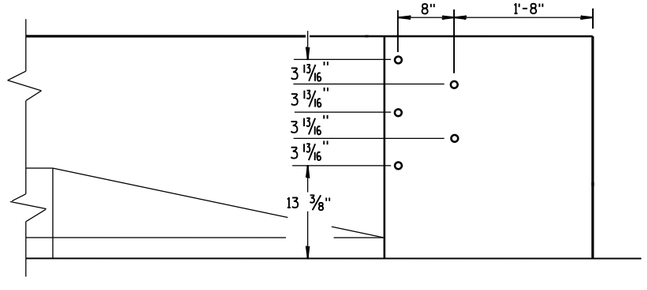




FRONT VIEW



SECTION F-F



DRILL HOLE LOCATION

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA
D 350 NT

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S.D.D. 14 B 45-4d

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S.D.D. 14 B 45-4d

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

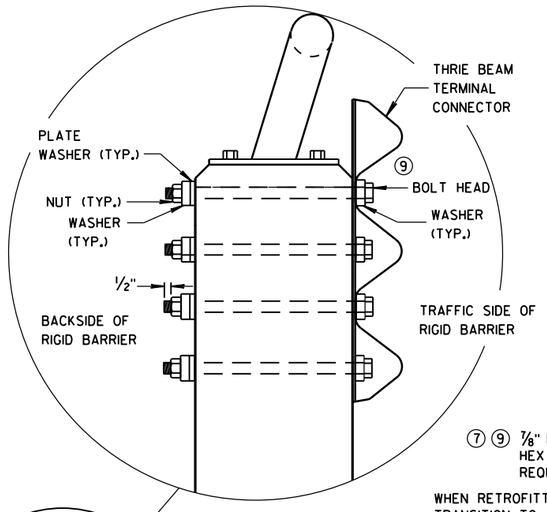
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

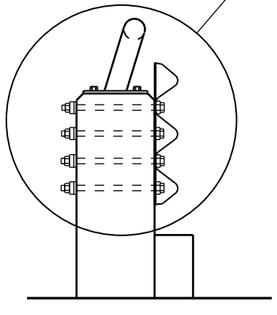
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

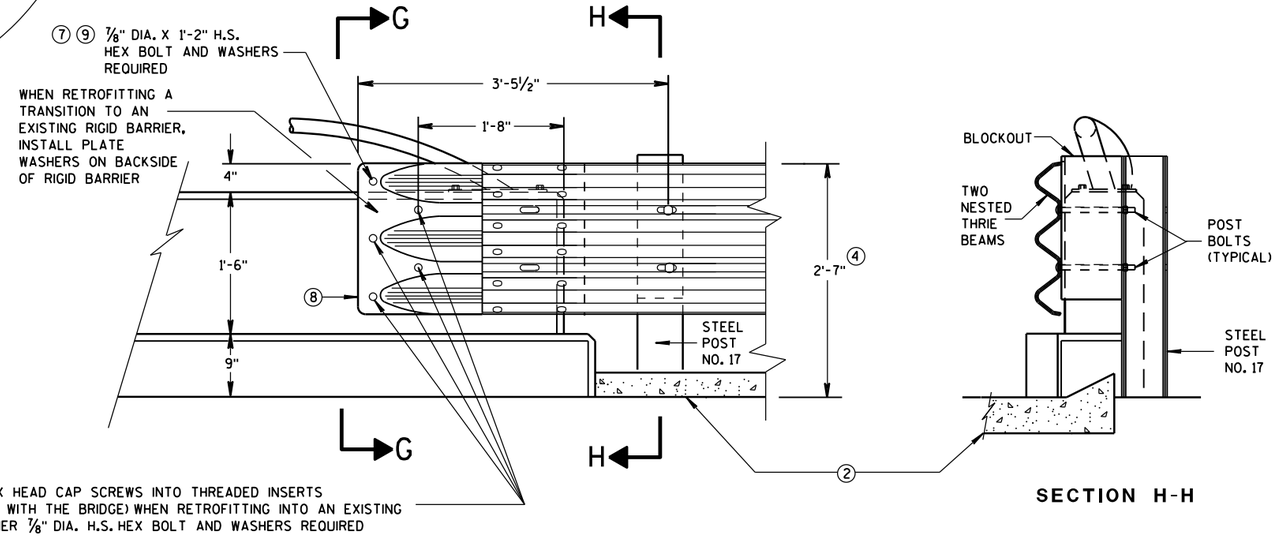
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

(9) BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.





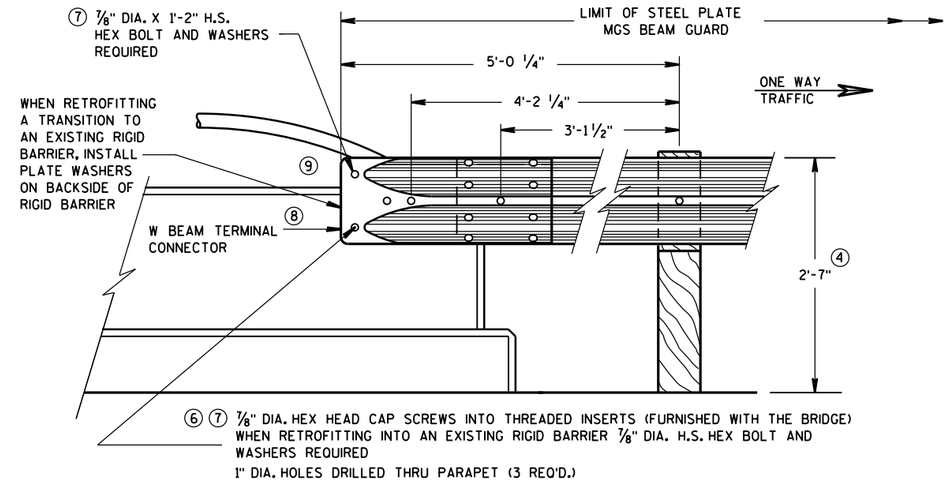
SECTION G-G



FRONT VIEW

SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 14 B 45-4e

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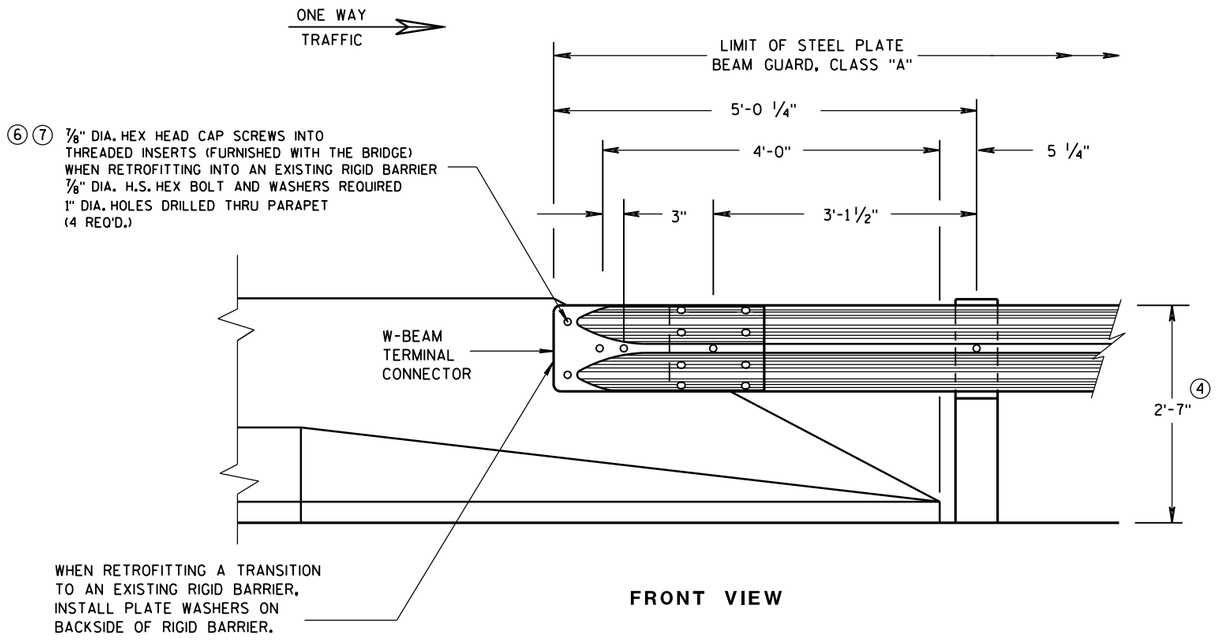
S.D.D. 14 B 45-4e



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

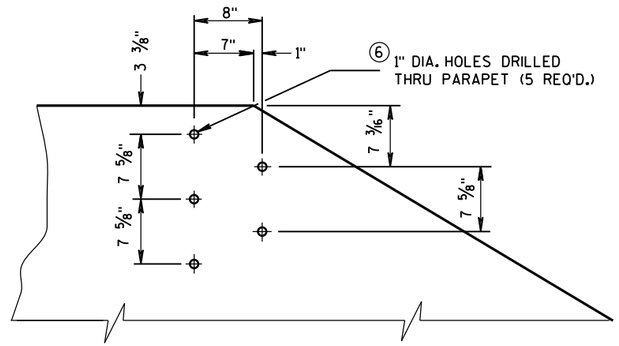
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

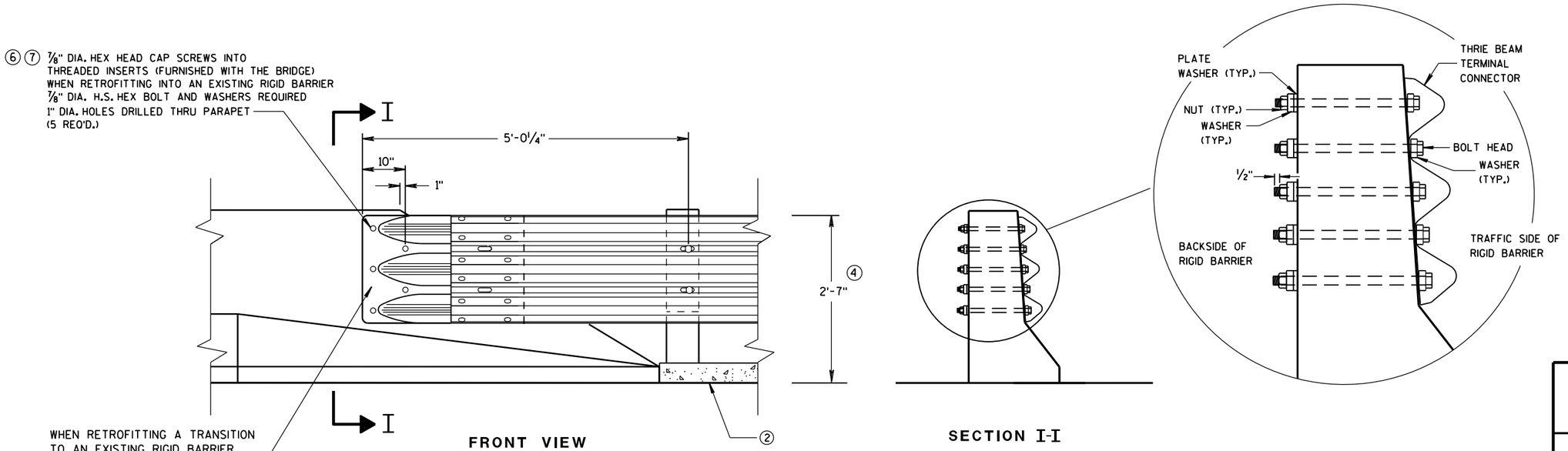
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



DRILL HOLE LOCATION AND PATTERN
FOR THRIE BEAM CONNECTION



FRONT VIEW

SECTION I-I

THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
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S.D.D. 14 B 45-4f

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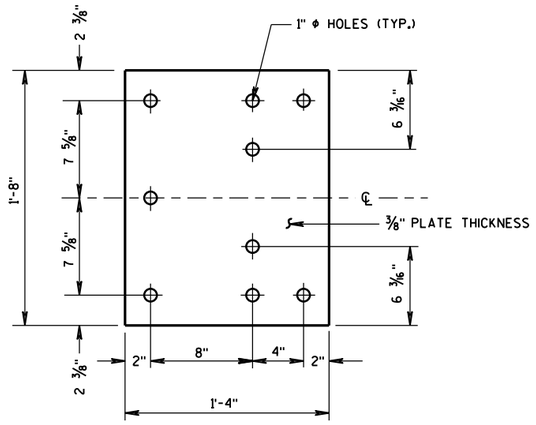
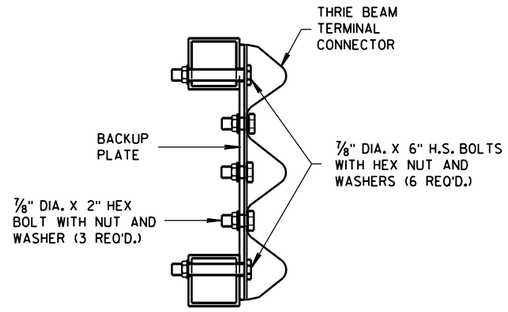
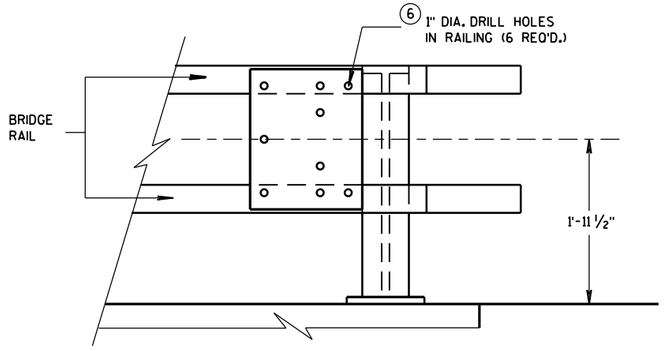
S.D.D. 14 B 45-4f



BACK-UP PLATE DETAIL



SECTION J-J

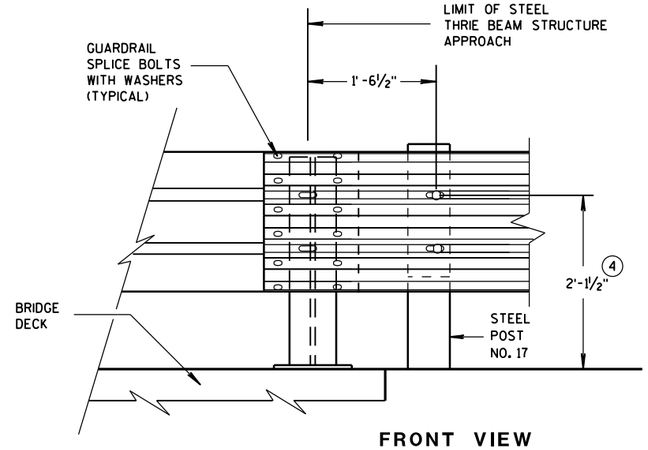


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

GENERAL NOTES

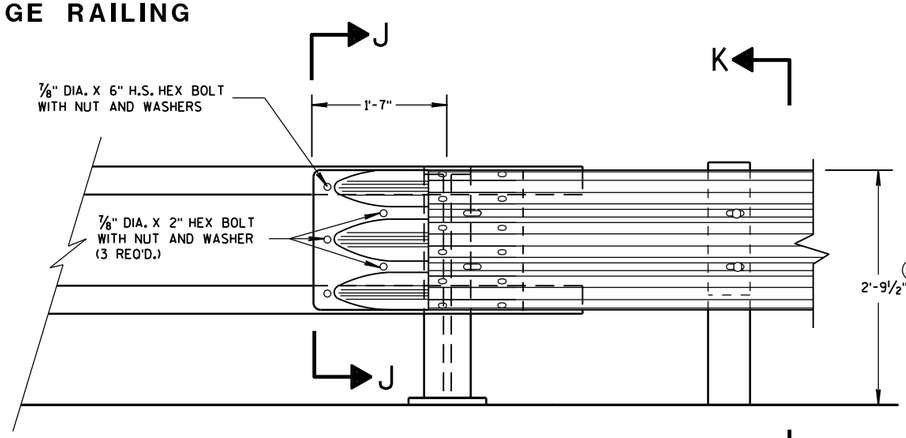
4 TOLERANCE FOR TOP OF BEAM IS ± 1".

6 DRILLING HOLES THROUGH THE PAPRPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

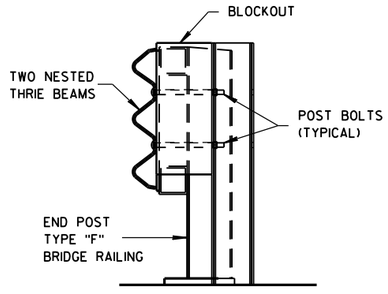


FRONT VIEW

THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"



FRONT VIEW



SECTION K-K

THRIE BEAM CONNECTION TO TUBULAR RAILING TYPE "F"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 14 B 45-4g

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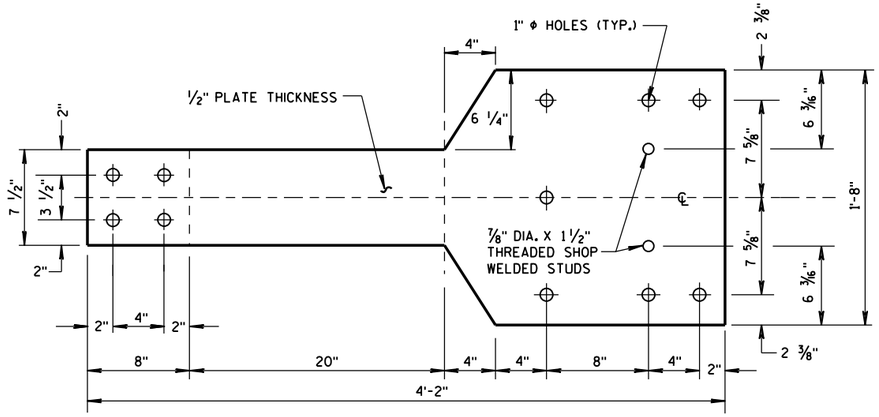
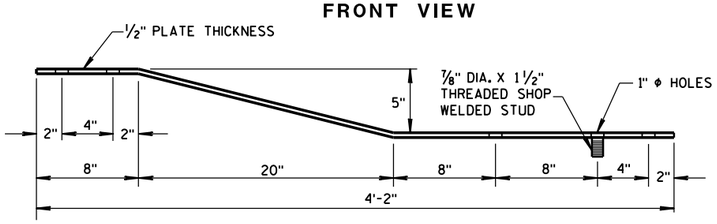
S.D.D. 14 B 45-4g

GENERAL NOTES

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

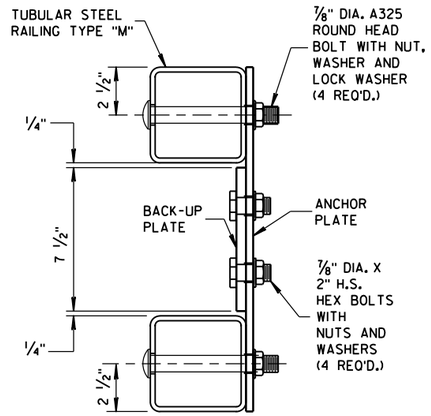


FRONT VIEW

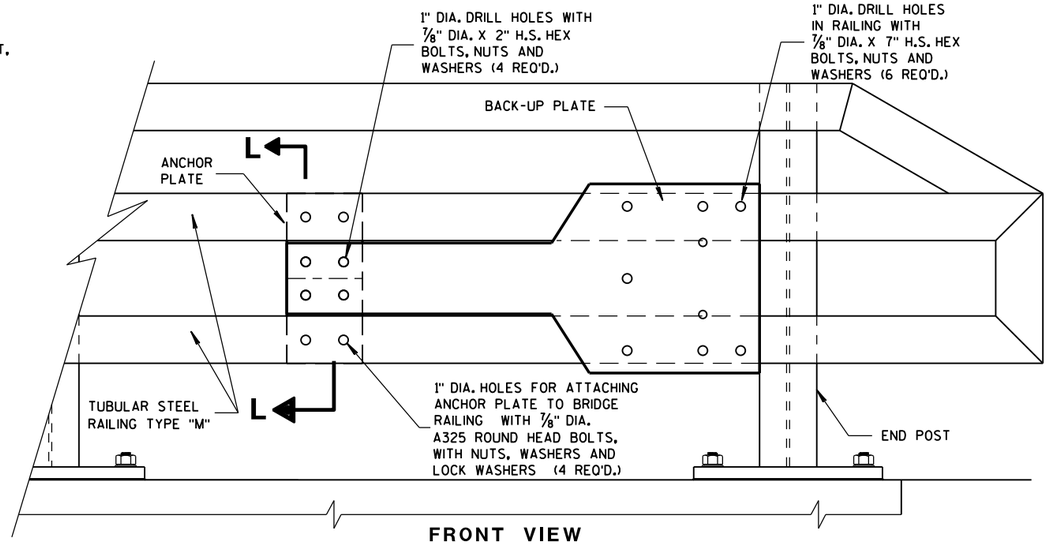


PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

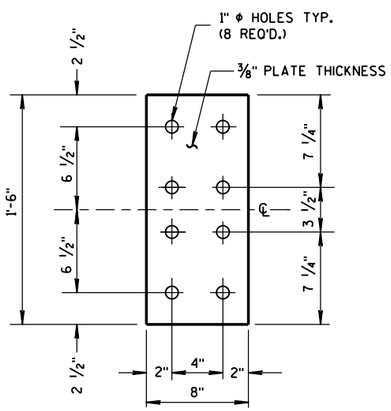


SECTION L-L



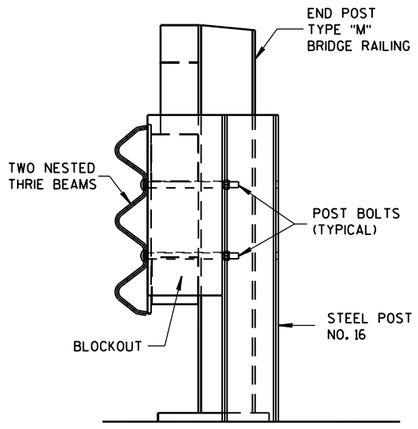
FRONT VIEW

ANCHOR AND BACK-UP PLATE MOUNTING TO BRIDGE RAILING, TYPE "M"

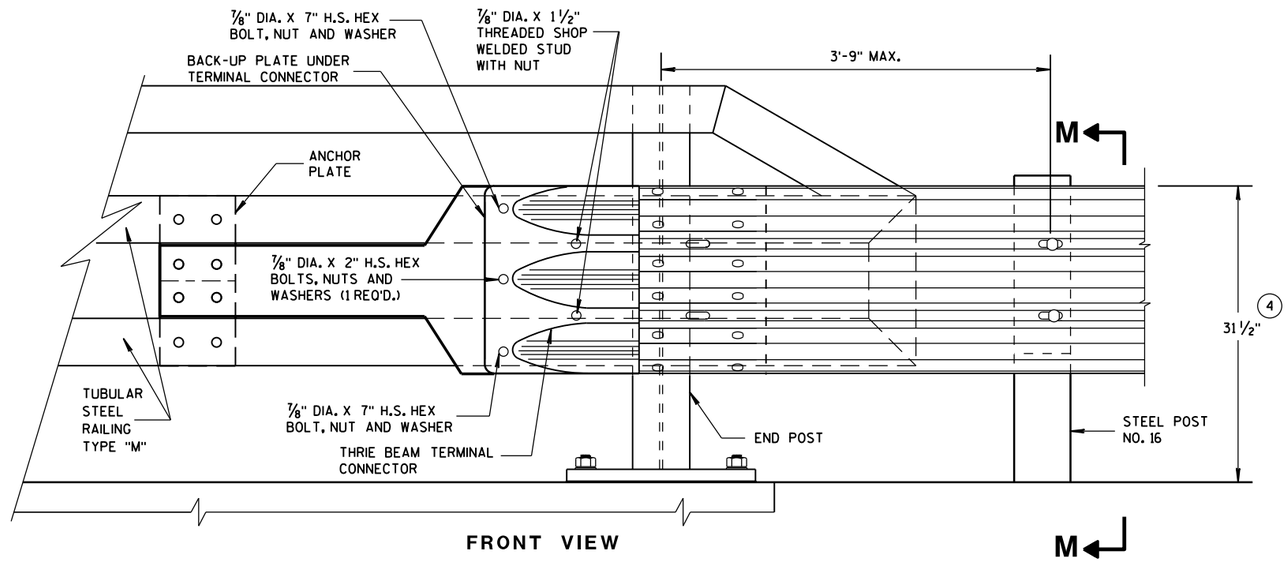


FRONT VIEW

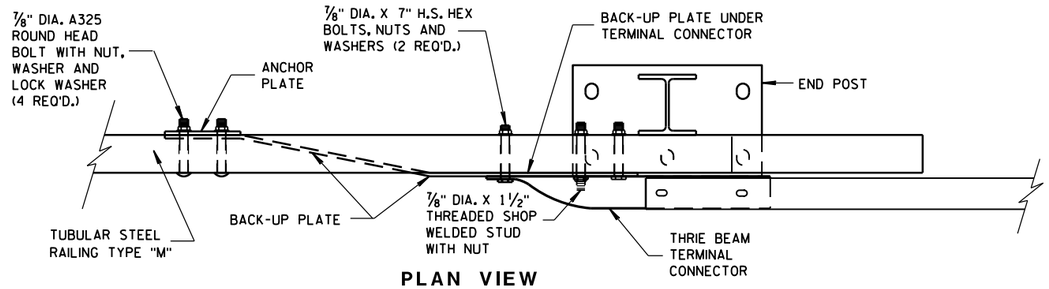
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M



FRONT VIEW



PLAN VIEW

THRIE BEAM CONNECTION TO TUBULAR RAILING, TYPE "M"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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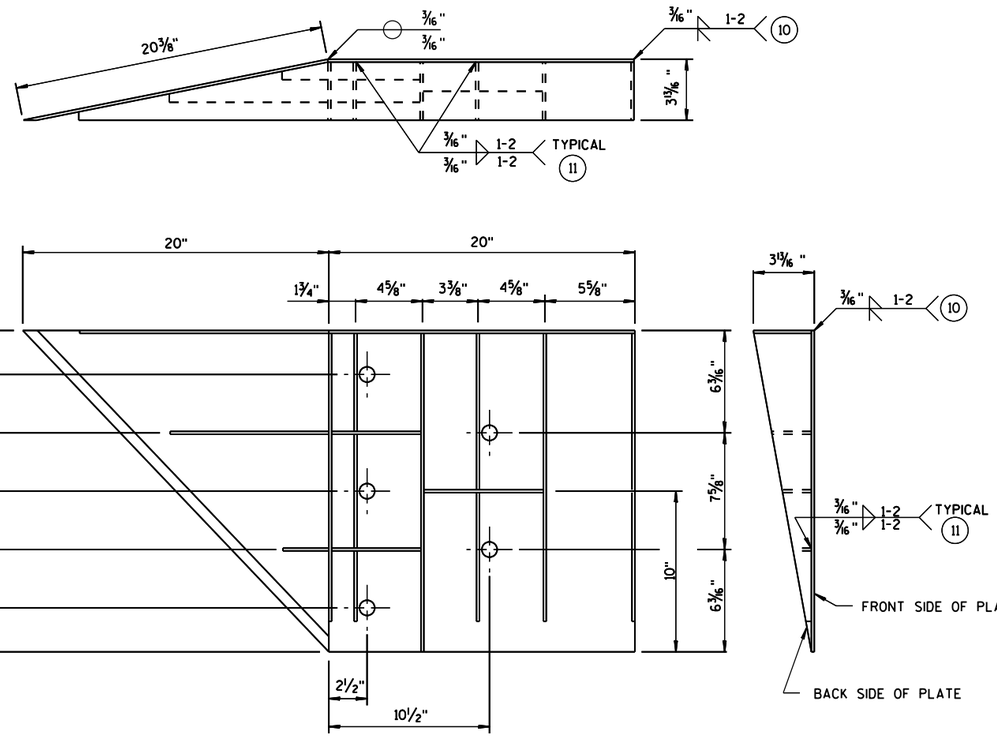

WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

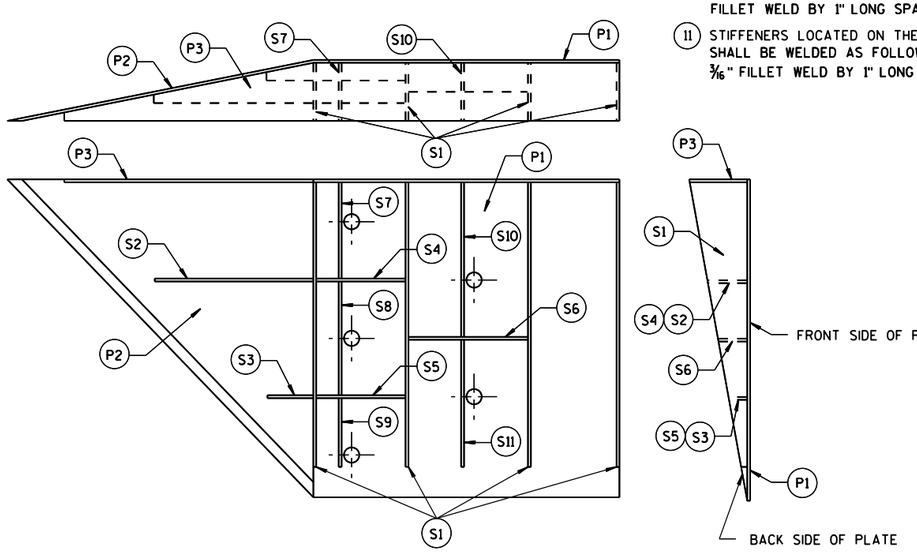

PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(10) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS:
SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(11) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:
3/16" FILLET WELD BY 1" LONG SPACED AT 2".

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 3/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 1/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

SINGLE SLOPE CONNECTION PLATE

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
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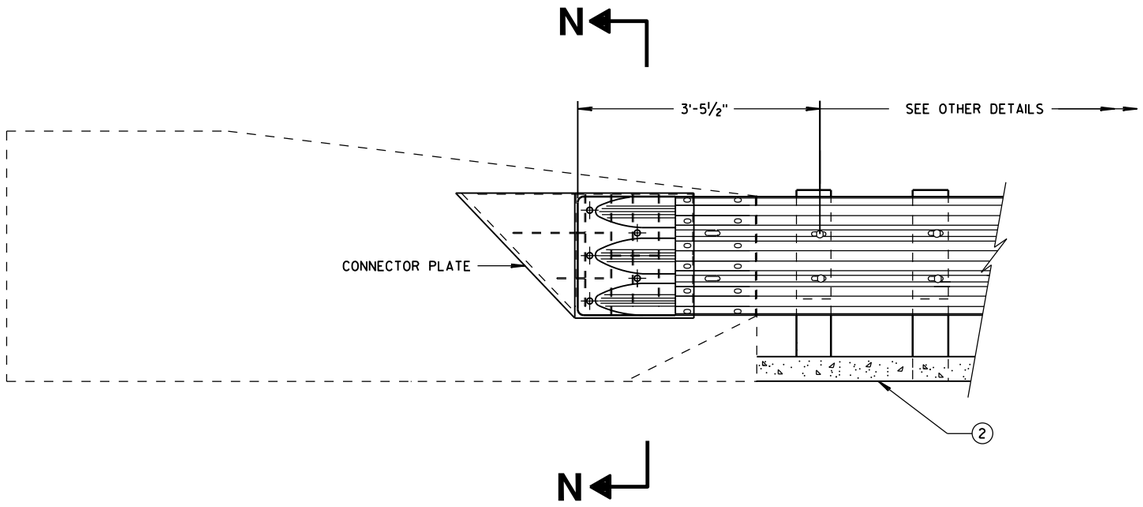
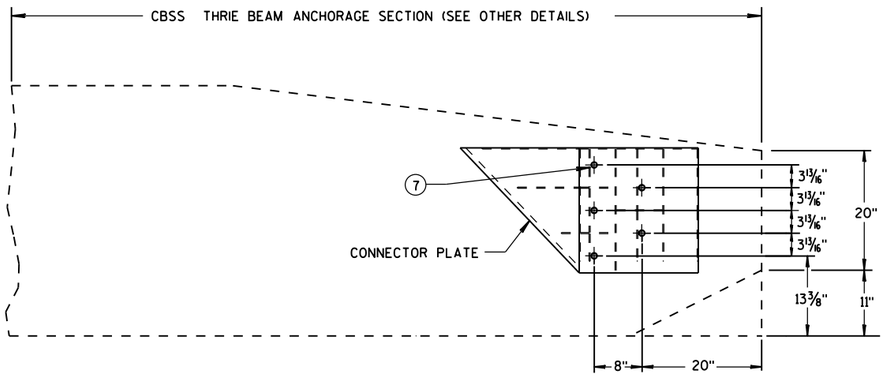


THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



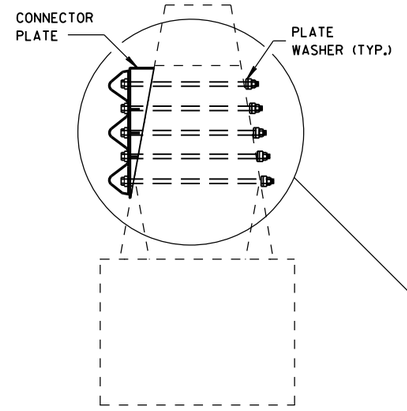
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

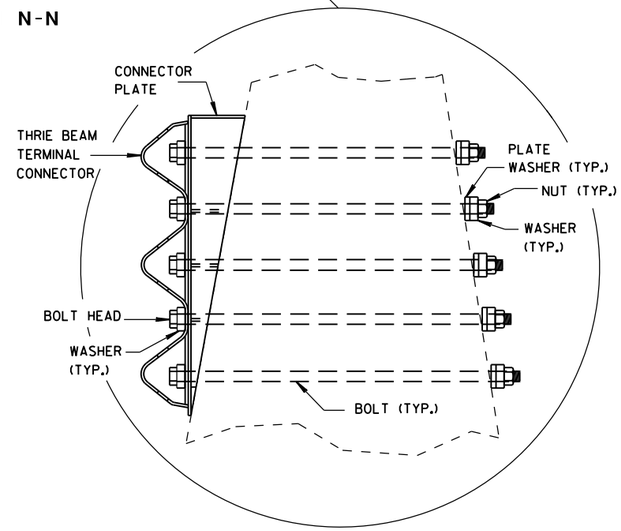
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



SECTION N-N



MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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June, 2015 — DATE
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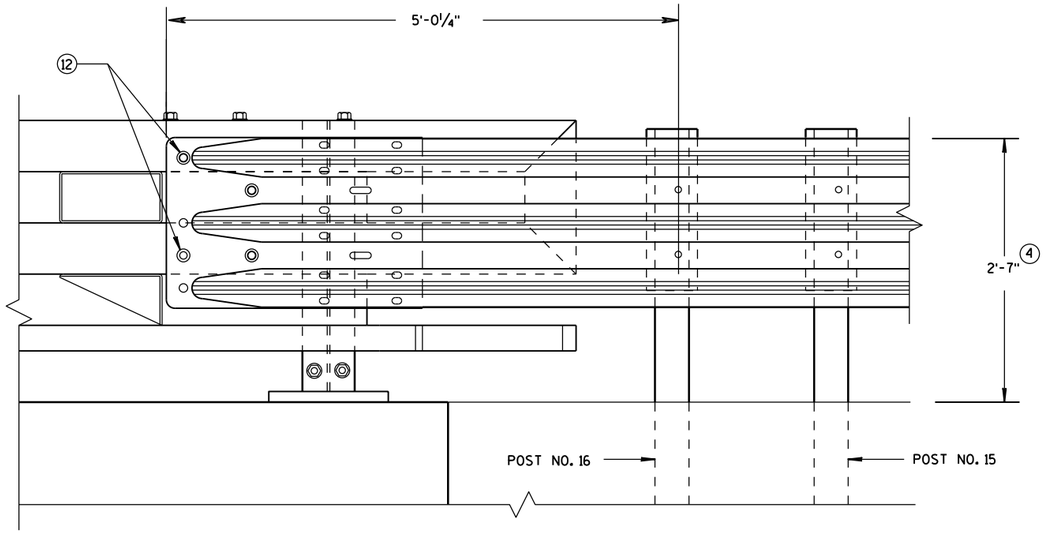
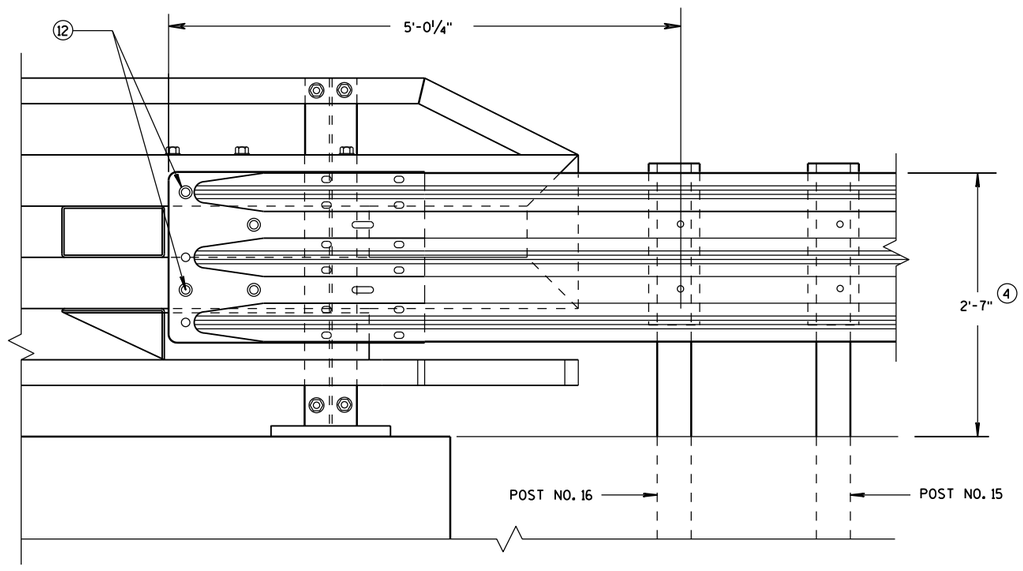


ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND ½-INCH BEYOND NUT.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS D 357 NT
ENGINEER

FHWA

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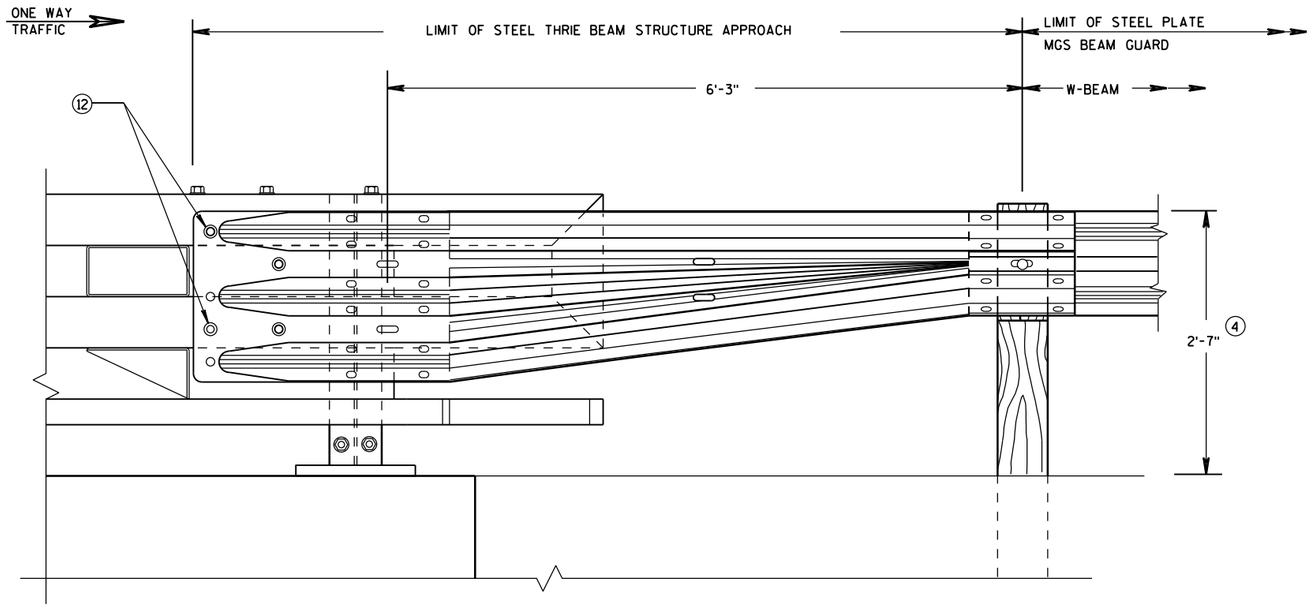
S.D.D. 14 B 45-4k



FRONT VIEW

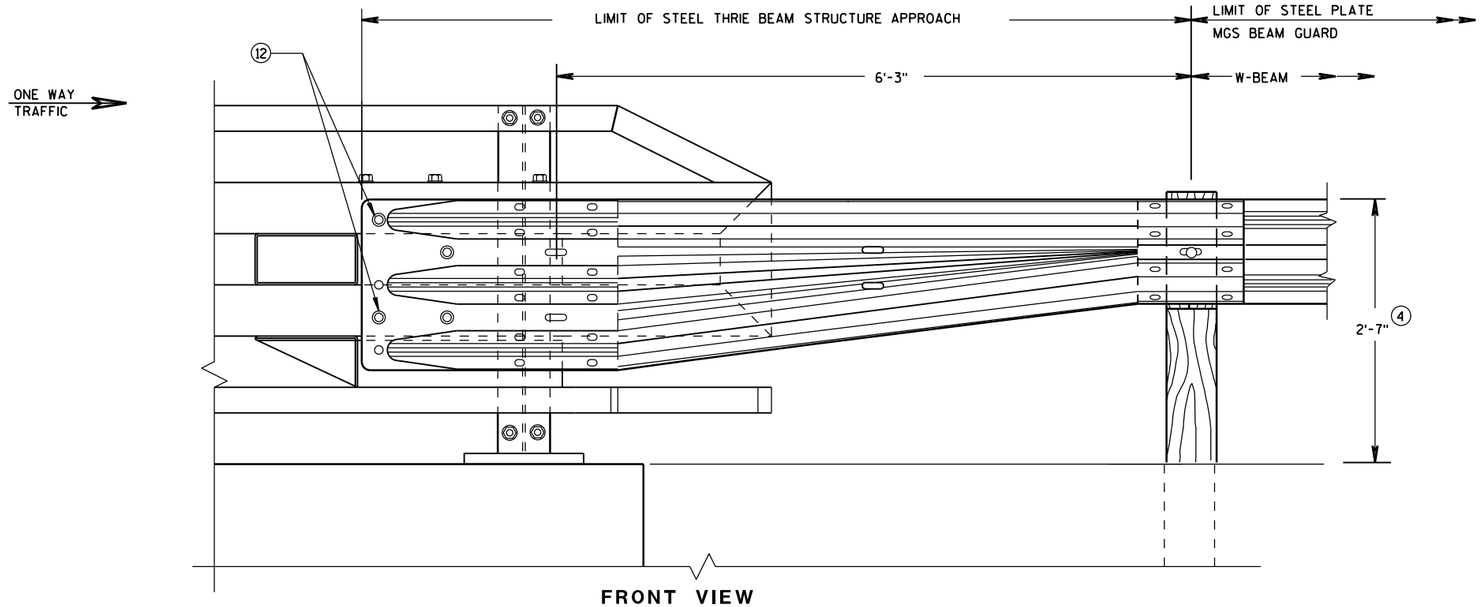
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND ½-INCH BEYOND NUT.



FRONT VIEW

W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY4"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
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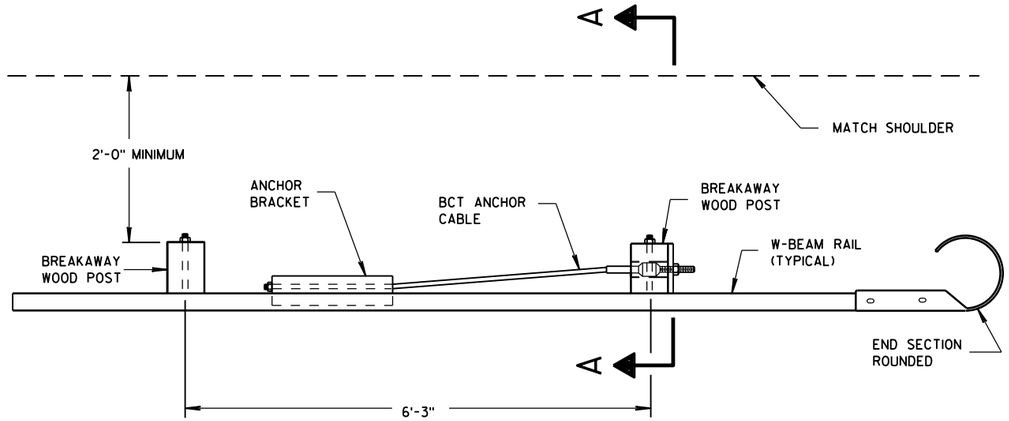
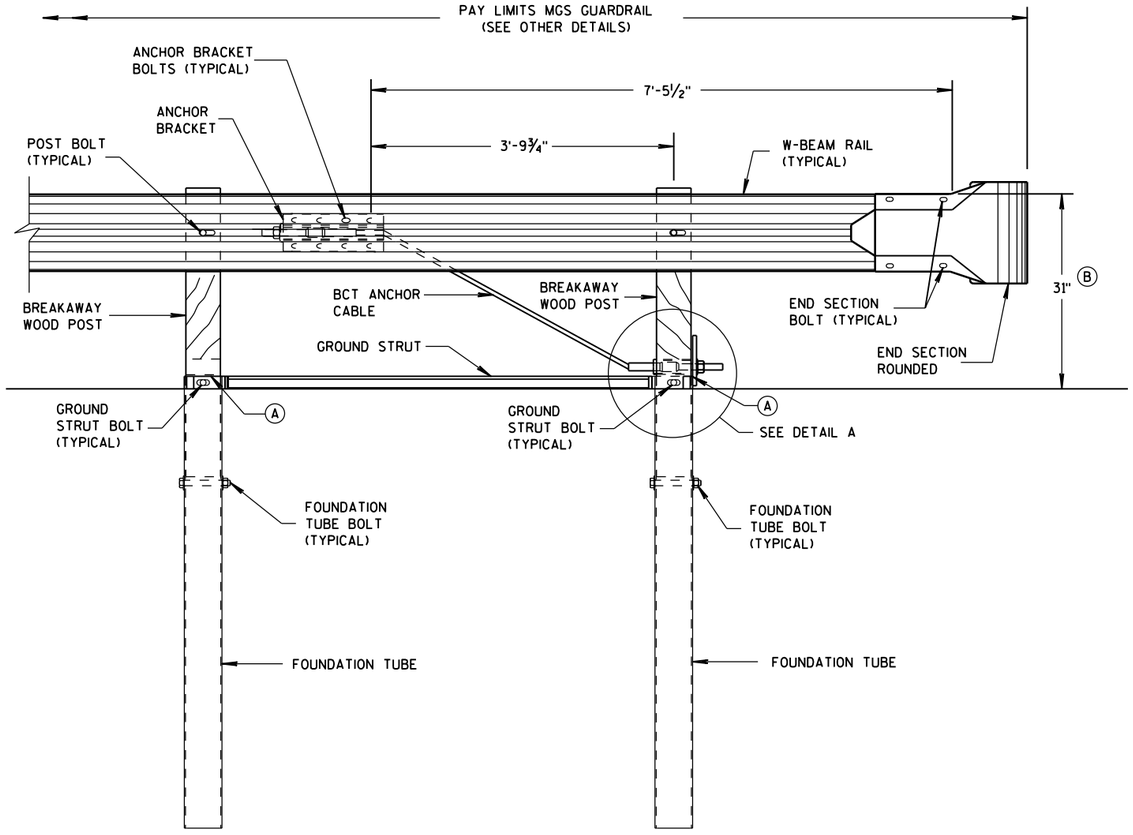
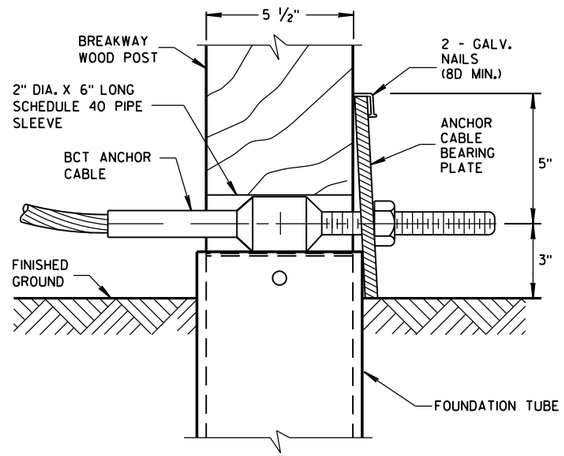


PLAN VIEW



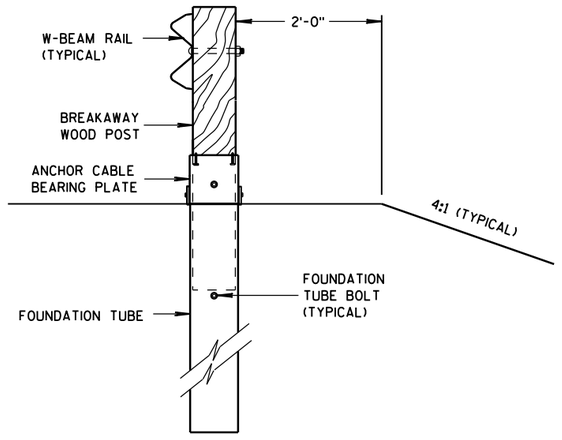
FRONT VIEW

END RAIL DETAIL



DETAIL A

POST NO. 1
GROUNG STRUT NOT SHOWN FOR CLARITY.



SECTION A-A

GENERAL NOTES

SEE SDD 14 B 42 FOR MORE INFORMATION.

END SECTION BOLTS AND NUTS HAVE THE SAME MATERIAL REQUIREMENTS AS SPLICE BOLTS.

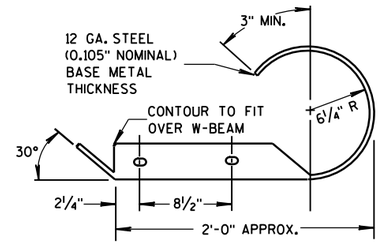
FOUNDATION TUBE BOLTS ARE ⅞" DIAMETER ASTM A307 HEX HEAD BOLT. FOUNDATION TUBE BOLTS REQUIRE ASTM A563 A NUT AND TWO ASTM F844 ⅞" DIAMETER FLAT WASHERS. INSTALL ONE WASHER UNDER BOLT HEAD AND ONE WASHER UNDER NUT.

ANCHOR BRACKET AND GROUND STRUT BOLTS ARE A ⅝" DIAMETER ASTM A307 HEX HEAD BOLT. ANCHOR BRACKET BOLTS REQUIRE ASTM A563 A NUT AND TWO ASTM F844 ⅝" DIAMETER FLAT WASHERS. INSTALL ONE WASHER UNDER BOLT HEAD AND ONE WASHER UNDER NUT.

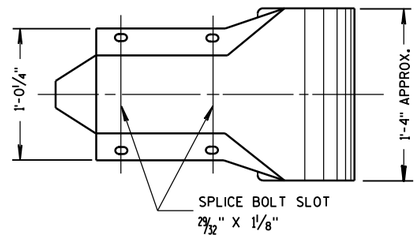
W-BEAM END SECTION ROUNDED HAS THE SAME MATERIAL PROPERTIES AS STANDARD STEEL RAIL.

(A) TOP OF FOUNDATION TUBE SHALL BE NO MORE THAN 3" ABOVE FINISHED GROUND.

(B) FOR NEW CONSTRUCTION TOP OF RAIL IS 31" ± 1".
FOR EXISTING INSTALLATIONS TOP OF RAIL IS BETWEEN 27¾" TO 32" ± 1".



PLAN VIEW



FRONT VIEW

W BEAM END SECTION ROUNDED

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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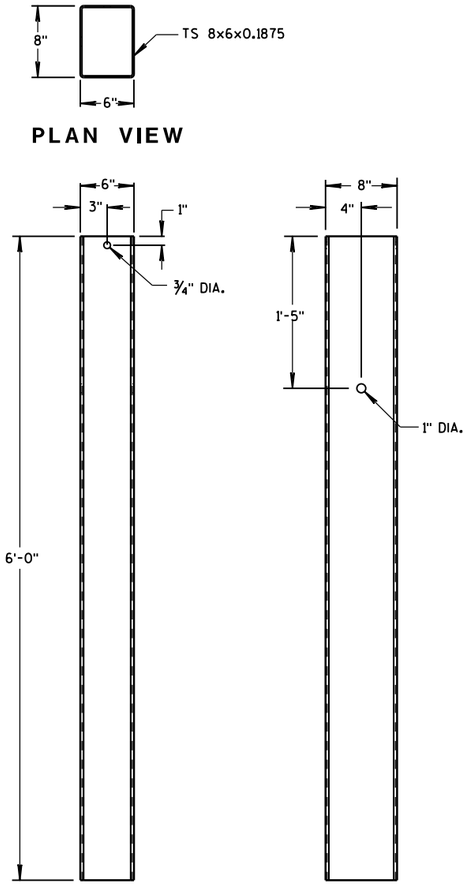
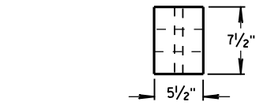


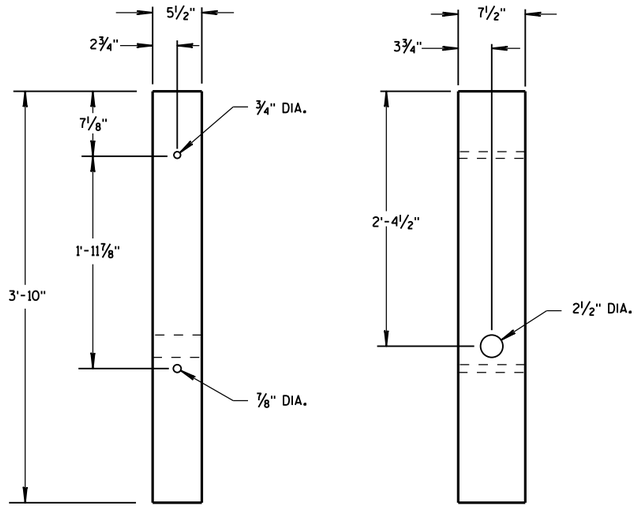
PLAN VIEW

FRONT VIEW SIDE VIEW

FOUNDATION TUBE



PLAN VIEW

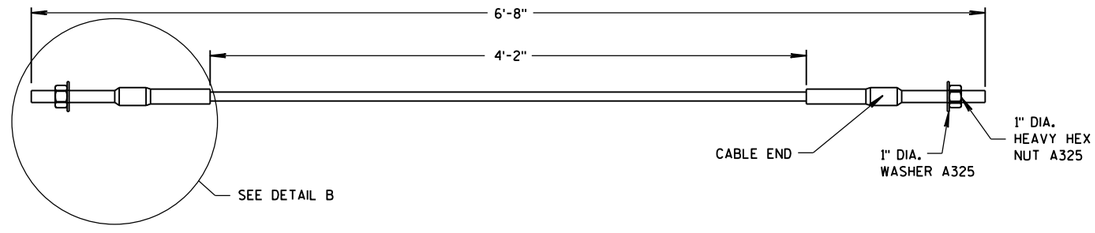


FRONT VIEW SIDE VIEW

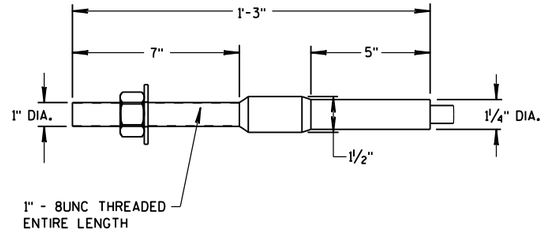
BREAKAWAY WOOD POST

GENERAL NOTES

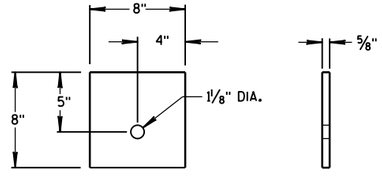
BCT ANCHOR CABLE IS A ¾" DIAMETER 6X19 IWRC IPS GALVANIZED WIRE ROPE. THE SWAGED FITTINGS AND STUD ARE REQUIRED. END FITTING SHALL BE MACHINED FROM HOT-ROLLED CARBON STEEL CONFORMING TO ASTM A576 GRADE 1035 AND GALVANIZED ACCORDING TO ASTM A123. TREADED STUD SHALL CONFORM TO ASTM A325 OR SAE GRADE 5. MINIMUM BREAKING STRENGTH OF WIRE ROPE IS 43,000 LB. WIRE ROPE IS TO BE TAUT.



BCT ANCHOR CABLE



DETAIL B



SIDE VIEW FRONT VIEW

ANCHOR CABLE
BEARING PLATE

MIDWEST GUARDRAIL
SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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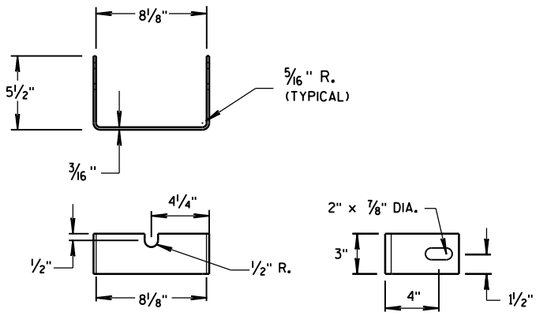
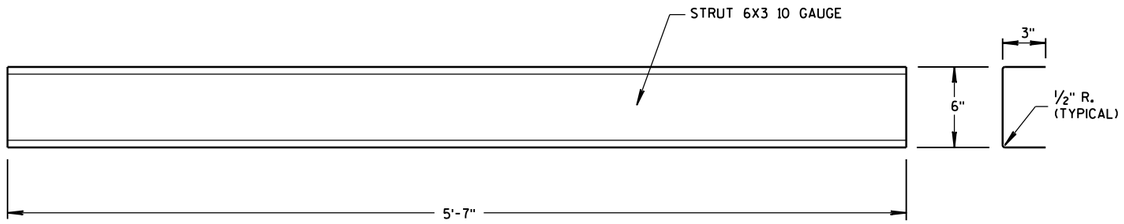
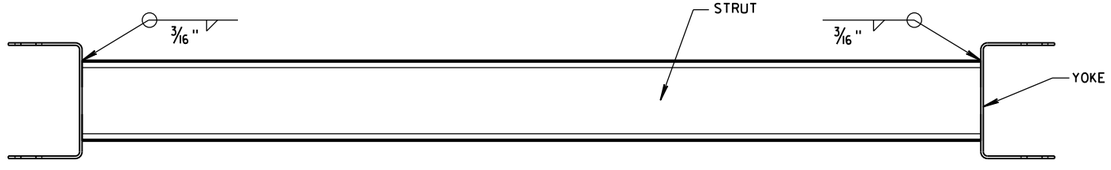
S.D.D. 14 B 47-2b



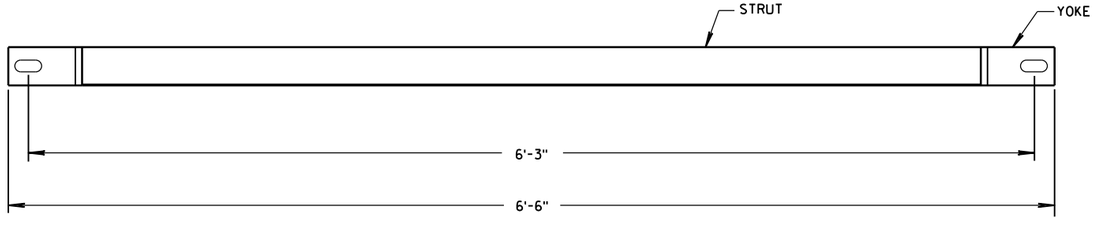
YOKE DETAIL



STRUT DETAIL

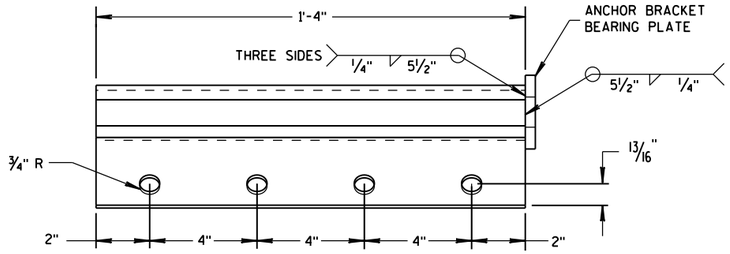


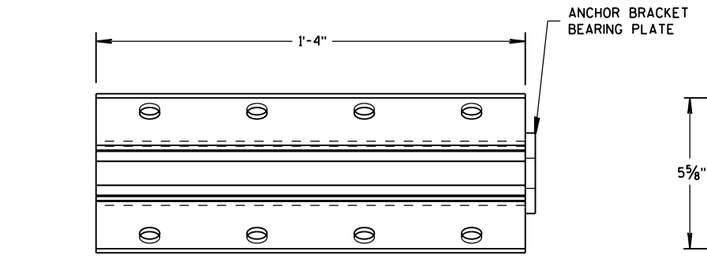
PLAN VIEW

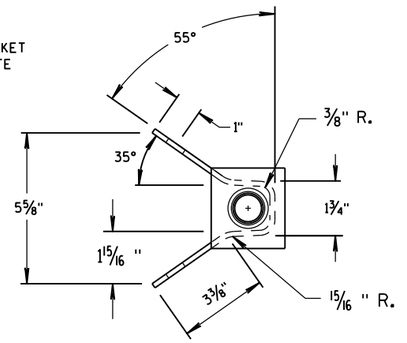


FRONT VIEW

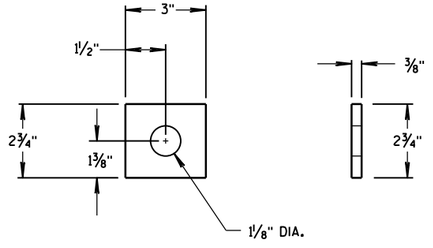
GROUND STRUT DETAIL







ANCHOR BRACKET



ANCHOR BRACKET BEARING PLATE

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

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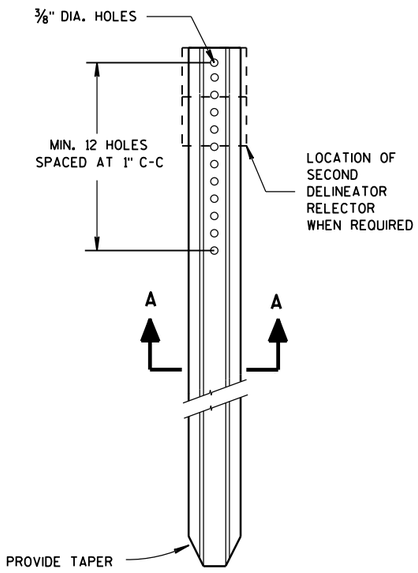
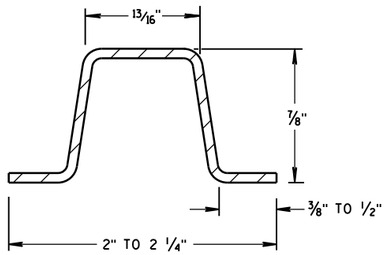
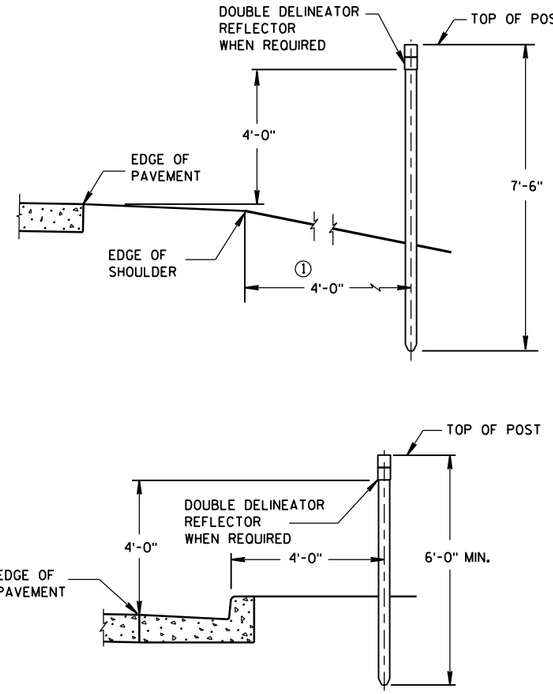


DELINEATOR POST



SECTION A-A

WEIGHT 1.12 LBS PER FT. ± 0.1 LB.

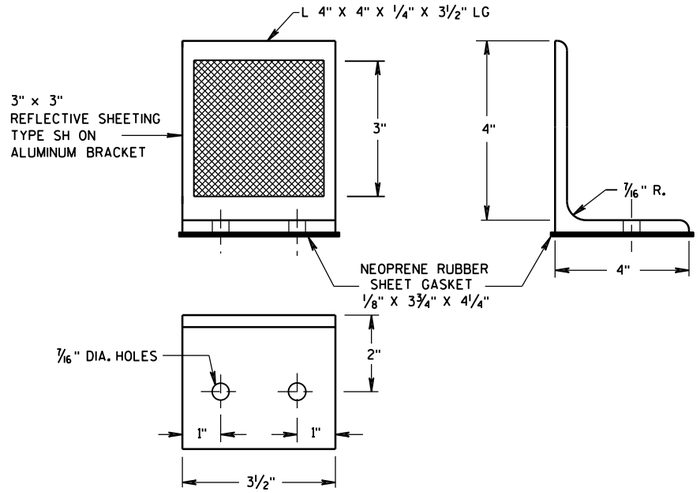


TYPICAL INSTALLATIONS OF DELINEATOR POSTS

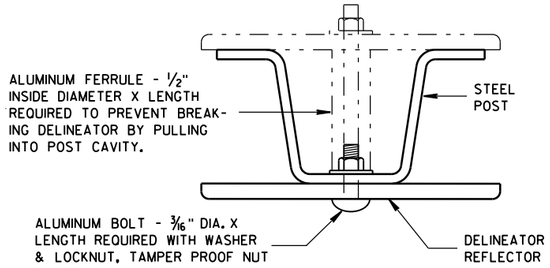
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

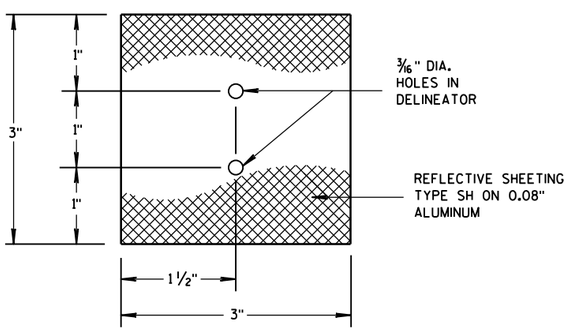
① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.



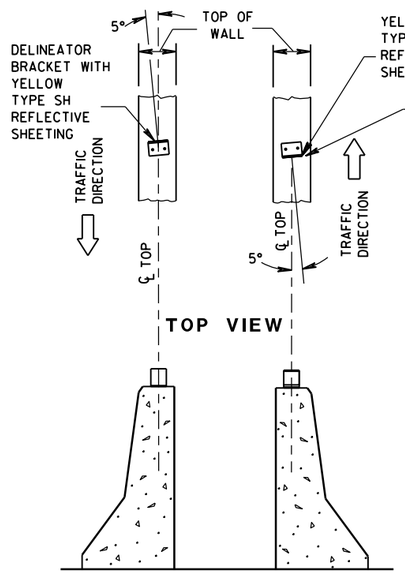
DELINEATOR BRACKET



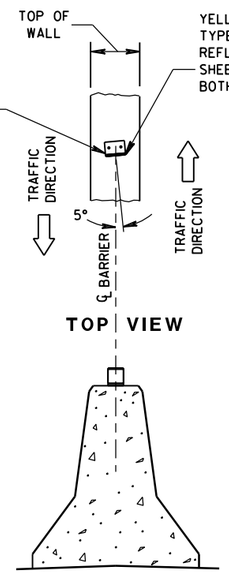
MOUNTING DETAIL FOR DELINEATOR REFLECTOR



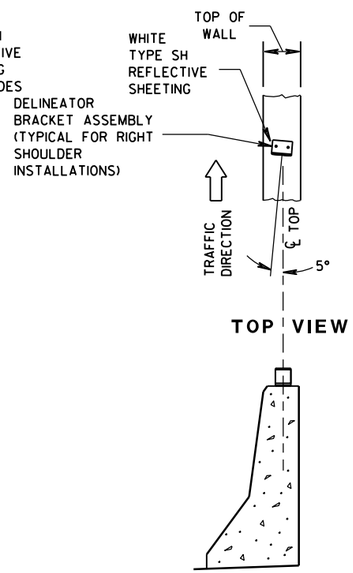
3"x 3" DELINEATOR REFLECTOR



DOUBLE BARRIERS IN MEDIAN

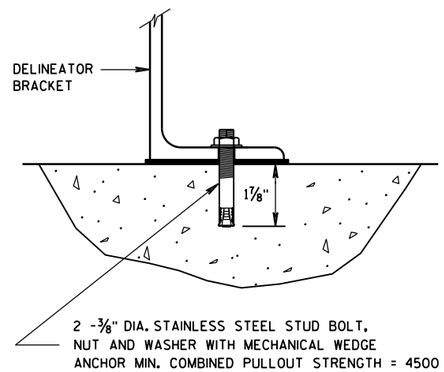


MEDIAN BARRIER



BARRIER LOCATED TO RT. OF TRAFFIC FLOW

LOCATION AND AIMING DETAILS FOR DELINEATOR BRACKETS MOUNTED ON CONCRETE BARRIERS



DELINEATOR BRACKET MOUNTING DETAIL

DELINEATOR POST, DELINEATOR REFLECTOR AND DELINEATOR BRACKET WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

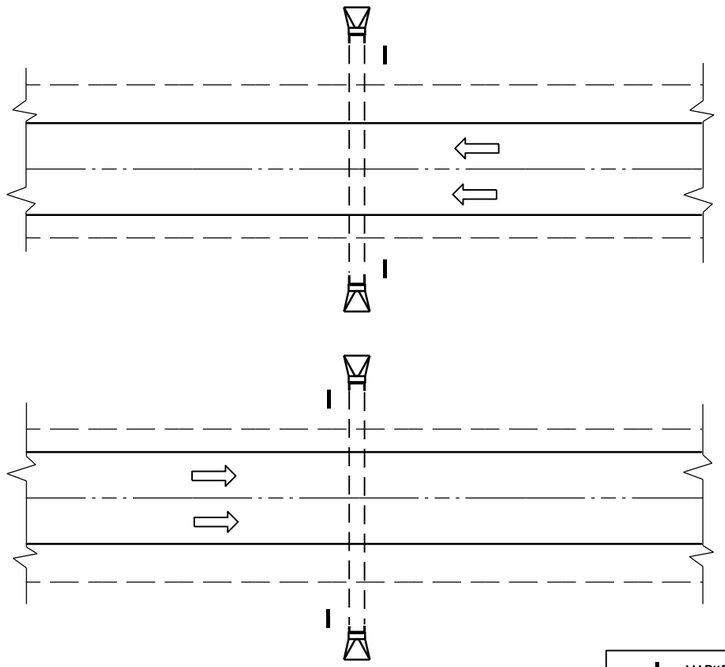
APPROVED
4-18-16 DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible] ENGINEER
FHWA

6

S.D.D. 15 A 2-9

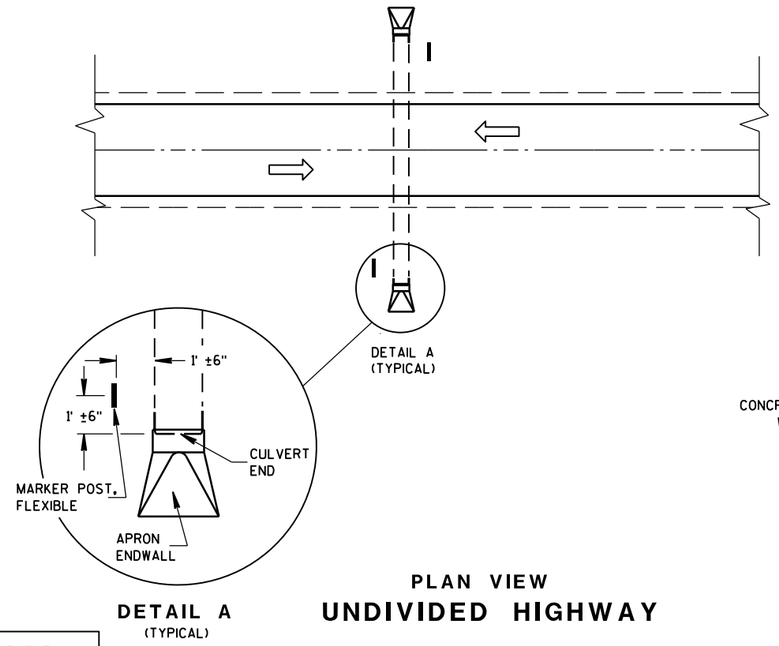
6

S.D.D. 15 A 2-9



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

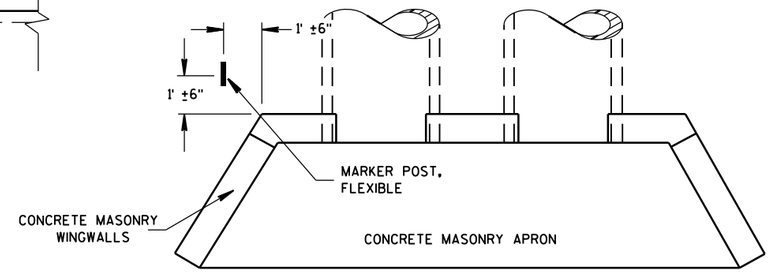
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

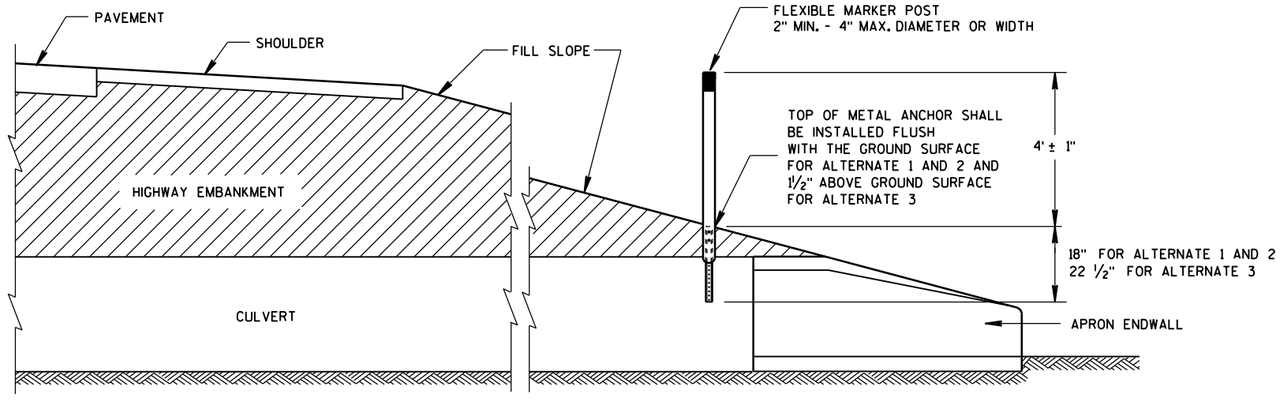
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 A 3-2a

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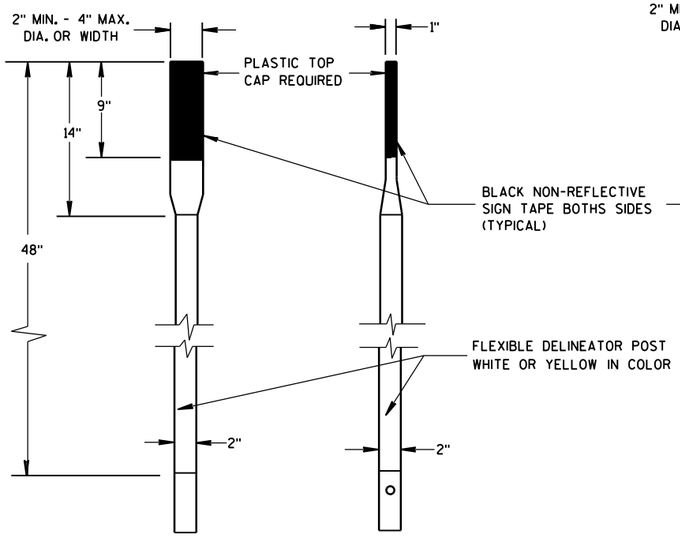
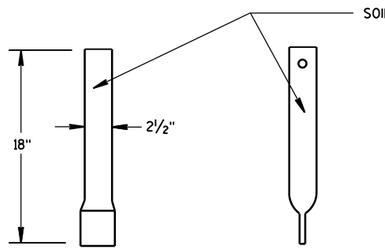
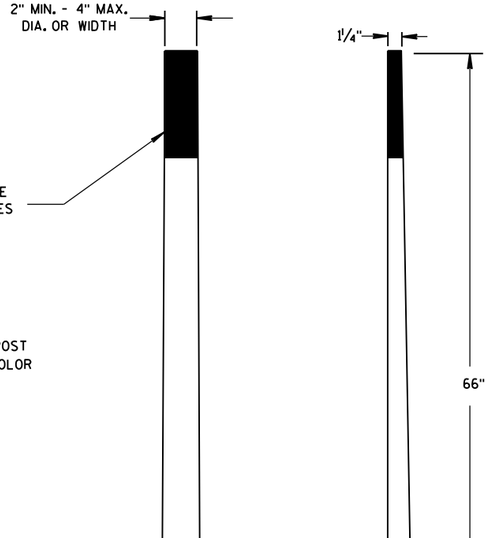
S.D.D. 15 A 3-2a





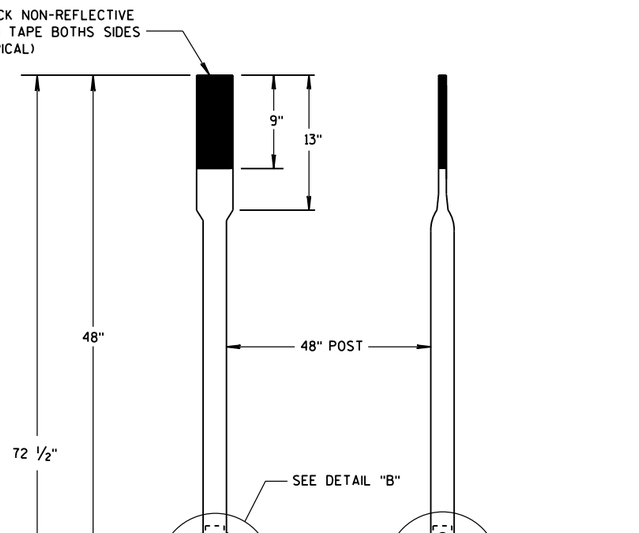
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

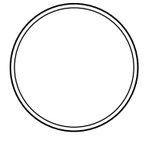
ALTERNATE 2



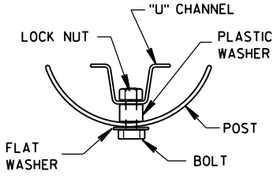
FRONT VIEW SIDE VIEW

ALTERNATE 3

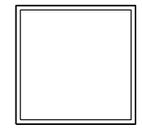
FLEXIBLE MARKER POSTS



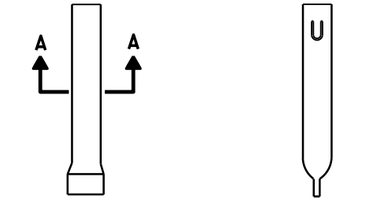
SECTION A-A



SECTION B-B

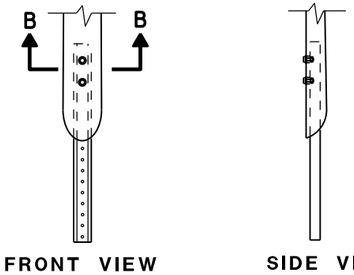


SECTION C-C



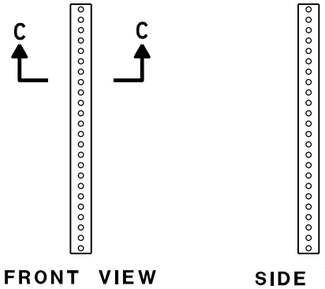
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

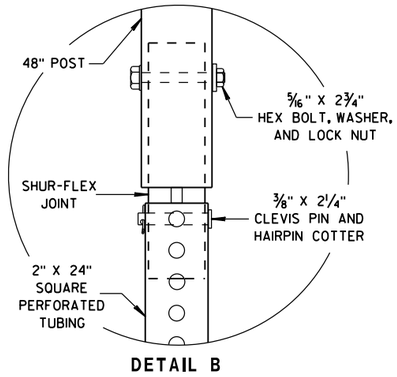
ALTERNATE 2



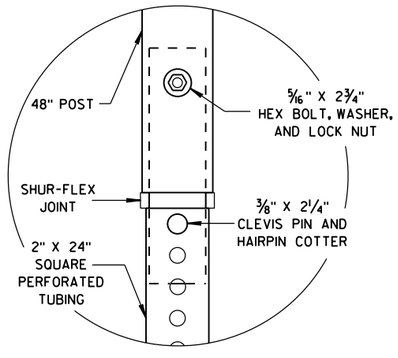
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 A 3-2b

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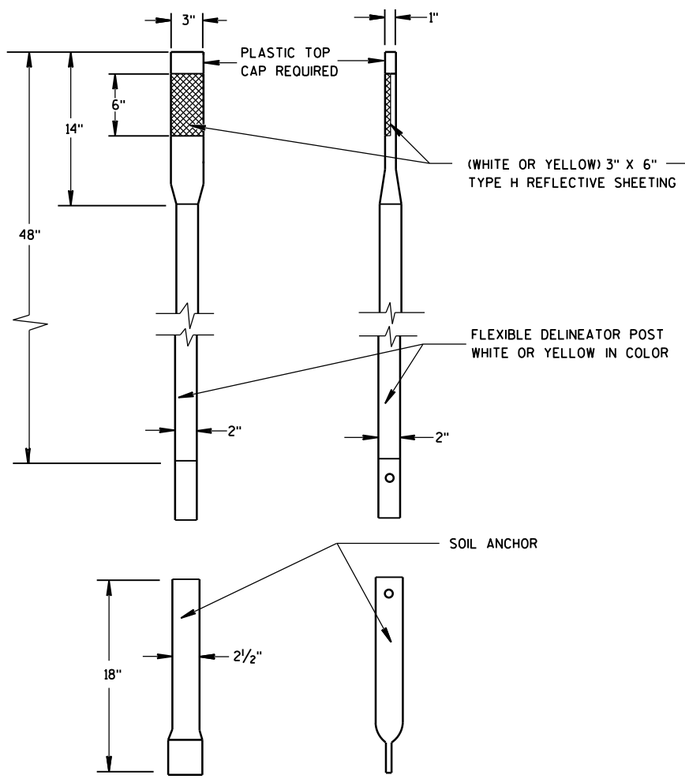
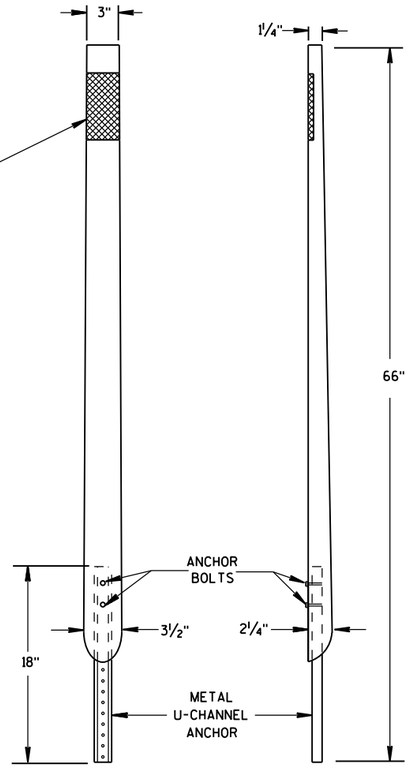
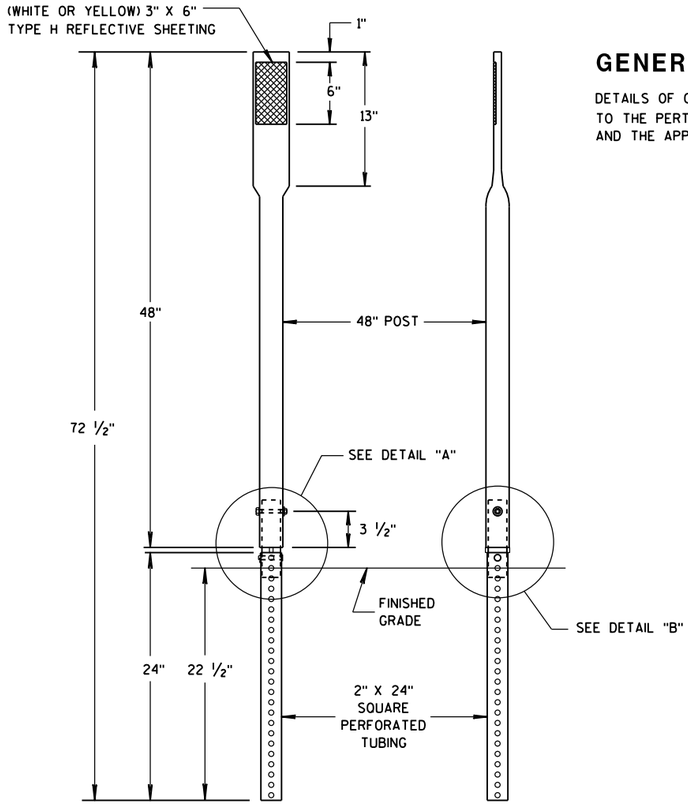
S.D.D. 15 A 3-2b



ALTERNATE 1



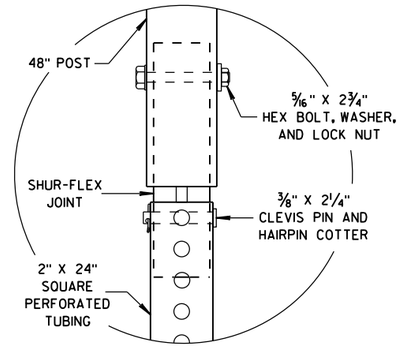
ALTERNATE 2
FLEXIBLE DELINEATOR POSTS



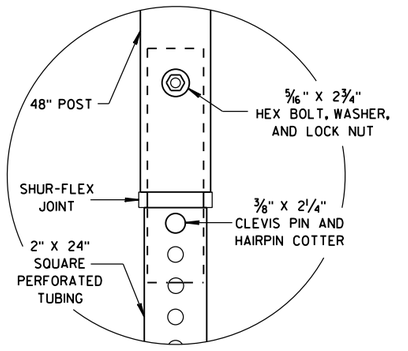
ALTERNATE 3

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDATRD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



DETAIL A

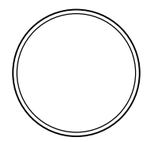


DETAIL B

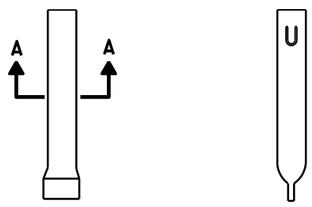
REFLECTOR SPACING TABLE

REFLECTOR SPACING	LOCATION
*100' C-C	RAMPS
400' C-C	MAINLINE

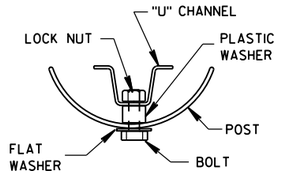
*START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER



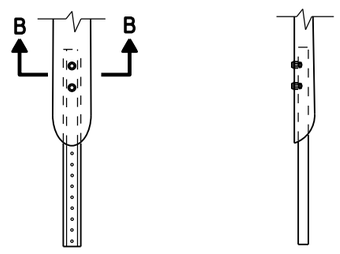
SECTION A-A



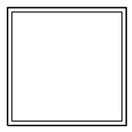
ALTERNATE 1



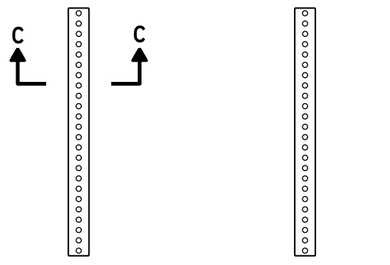
SECTION B-B



ALTERNATE 2
FLEXIBLE MARKER POST ANCHORS



SECTION C-C



ALTERNATE 3

FLEXIBLE DELINEATOR POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

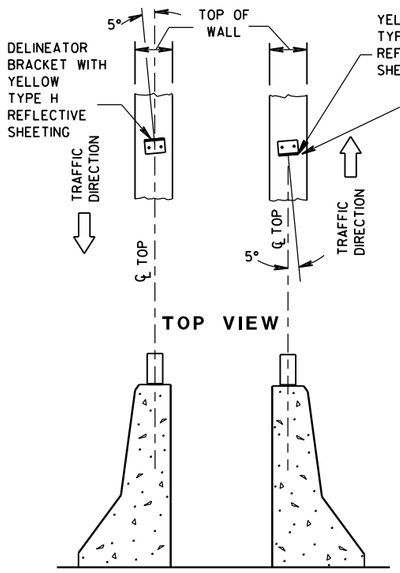
APPROVED
June 2017
DATE
/S/ Andrew Heidtke
STATE SIGNING AND MARKING ENGINEER
FHWA

6

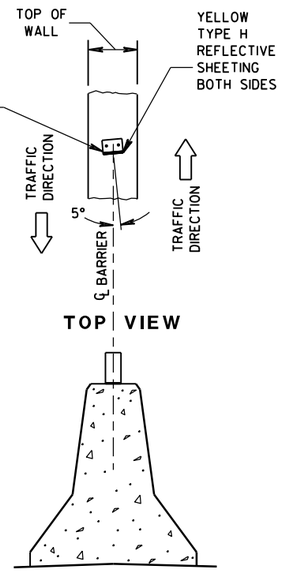
S.D.D. 15 A 4-3a

6

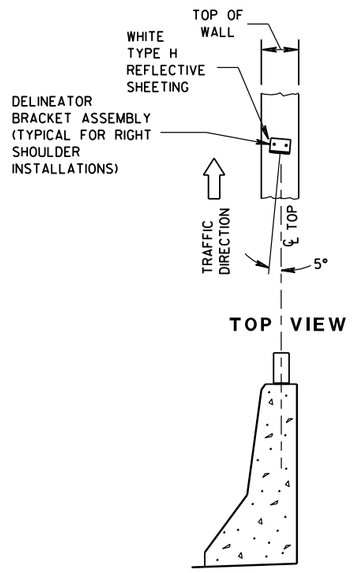
S.D.D. 15 A 4-3a



DOUBLE BARRIERS IN MEDIAN

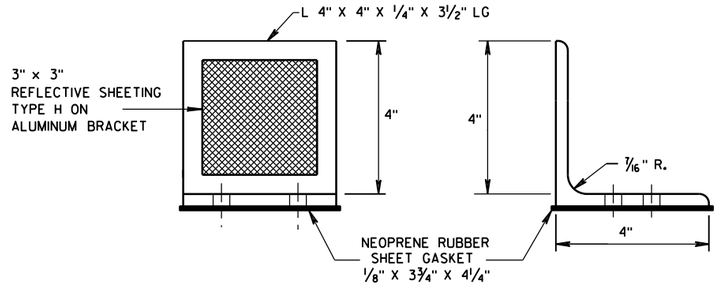


MEDIAN BARRIER

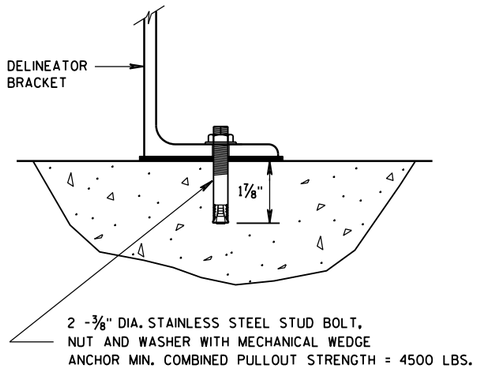


BARRIER LOCATED
TO RT. OF TRAFFIC FLOW

LOCATION AND AIMING DETAILS FOR DELINEATOR BRACKETS MOUNTED ON CONCRETE BARRIERS



DELINEATOR BRACKET



DELINEATOR BRACKET
MOUNTING DETAIL

REFLECTOR SPACING TABLE

REFLECTOR SPACING	MINIMUM NUMBER OF REFLECTORS
100' C-C	3

DELINEATOR BRACKET
WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible] GINEER

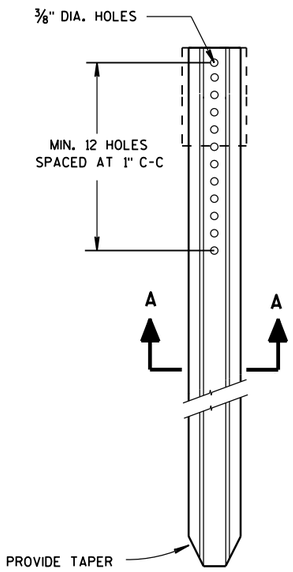
FHWA

6

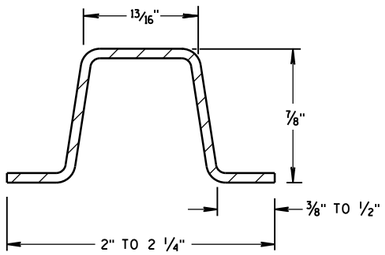
S.D.D. 15 A 4-3b

6

S.D.D. 15 A 4-3b

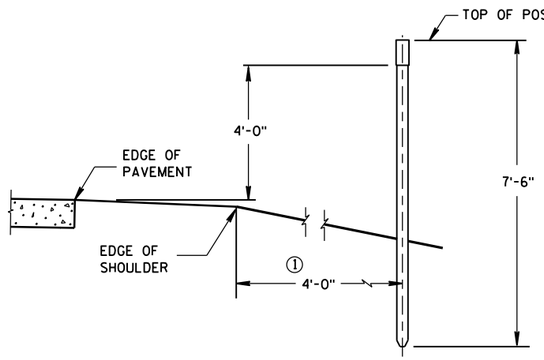


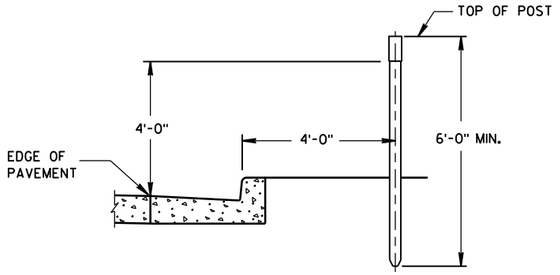
DELINEATOR POST



SECTION A-A

WEIGHT 1.12 LBS PER FT. ± 0.1 LB.





TYPICAL INSTALLATIONS OF DELINEATOR POSTS

GENERAL NOTES

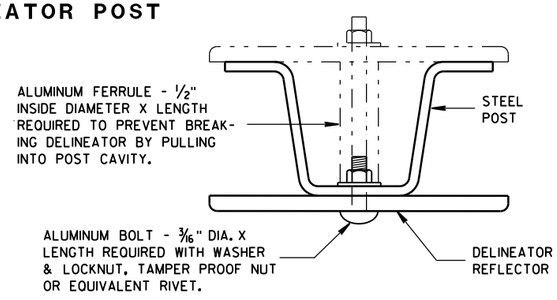
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.

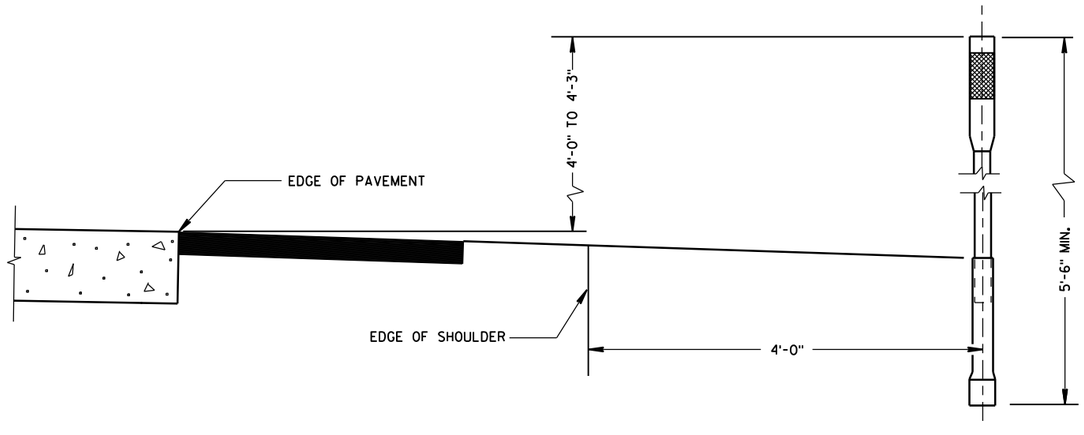
REFLECTOR SPACING TABLE

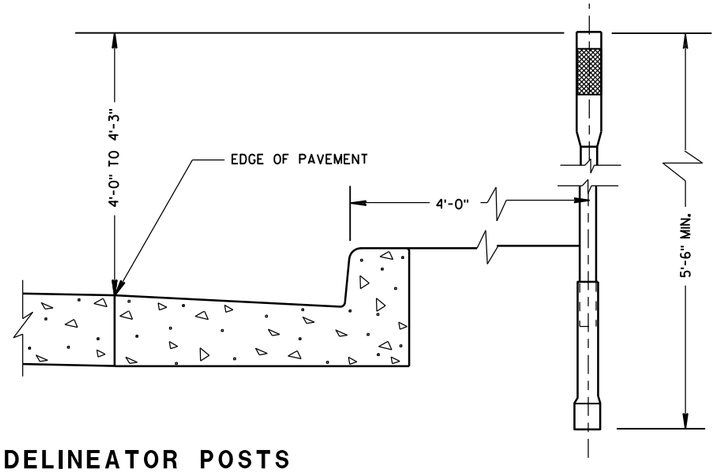
REFLECTOR SPACING	LOCATION
400'	MAINLINE
100'	RAMPS *

* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER.



MOUNTING DETAIL FOR DELINEATOR REFLECTOR





TYPICAL INSTALLATIONS OF FLEXIBLE DELINEATOR POSTS

DELINEATOR POST WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

6

S.D.D. 15 A 4-3c

GENERAL NOTES

PANEL THICKNESS SHALL BE A MINIMUM OF 0.08 INCHES.

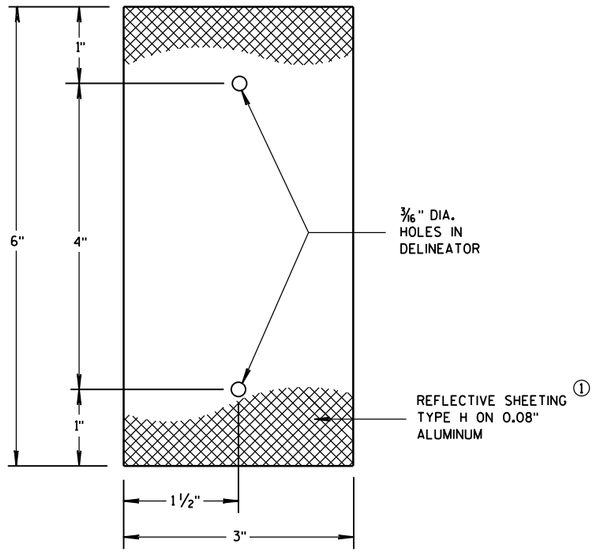
PLASTIC BASE MATERIAL SHALL BE WHITE, UV STABILIZED, FLAME TREATED TO THE MANUFACTURER SPECIFICATIONS AND BE ABLE TO WITHSTAND SUB FREEZING TEMPERATURES WITHOUT BREAKING.

① FURNISH TYPE H SHEETING FROM THE APPPROVED PRODUCTS LIST.

② FURNISH DELINEATOR REFLECTOR FOR GUARDRAIL FROM THE APPPROVED PRODUCTS LIST.

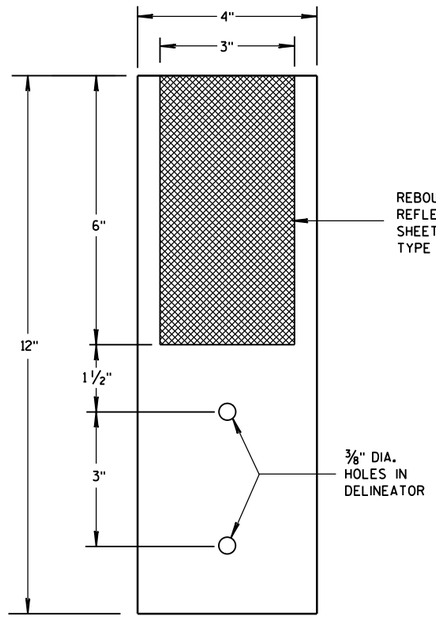
REFLECTOR SPACING TABLE

REFLECTOR SPACING	MINIMUM NUMBER OF REFLECTORS
100' C-C	3



3"x 6" DELINEATOR REFLECTOR

(FOR STEEL POSTS)



4"x 12" DELINEATOR REFLECTOR

(FOR GUARDRAIL) ②

DELINEATOR
WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible] GINEER
FHWA

6

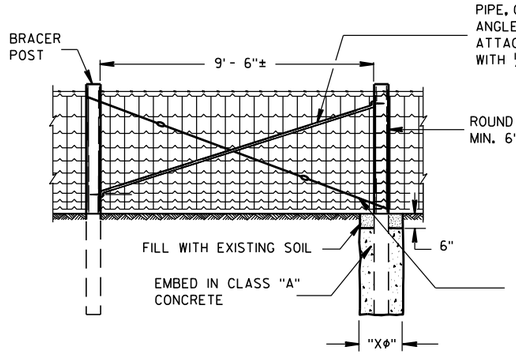
S.D.D. 15 A 4-3d

6

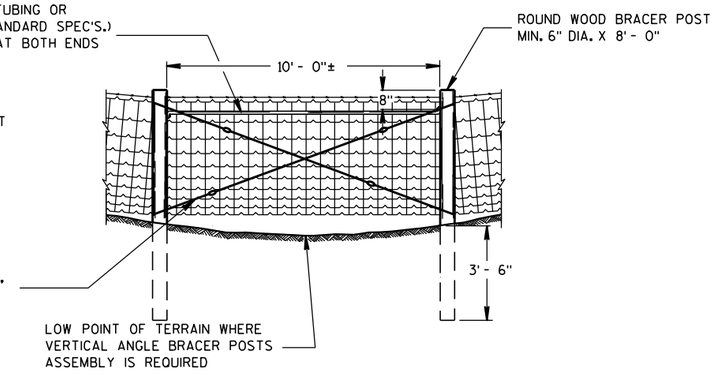
S.D.D. 15 A 4-3d

NOTE: PULL OR STRETCHER POST ASSEMBLIES SHALL BE PLACED MIDWAY BETWEEN END POSTS AND CORNER POSTS WHERE A RUN OF FENCE EXCEEDS 660' BUT IS LESS THAN 1,320'. FOR RUNS OF FENCE IN EXCESS OF 1,320' MAXIMUM SPACING OF PULL OR STRETCHER POST ASSEMBLIES SHALL BE 660'± C-C.

ILLUSTRATION SHOWS POSITION OF STANDARD STEEL BRACE, DOUBLE STRAND GALVANIZED WIRE, AND THE POST TO BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM LEFT TO RIGHT. THE BRACES SHALL BE POSITIONED ON THE OPPOSITE DIAGONALS AND THE OPPOSITE POST SHALL BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM RIGHT TO LEFT.



PULL OR STRETCHER POSTS ASSEMBLY



VERTICAL ANGLE BRACER POSTS ASSEMBLY

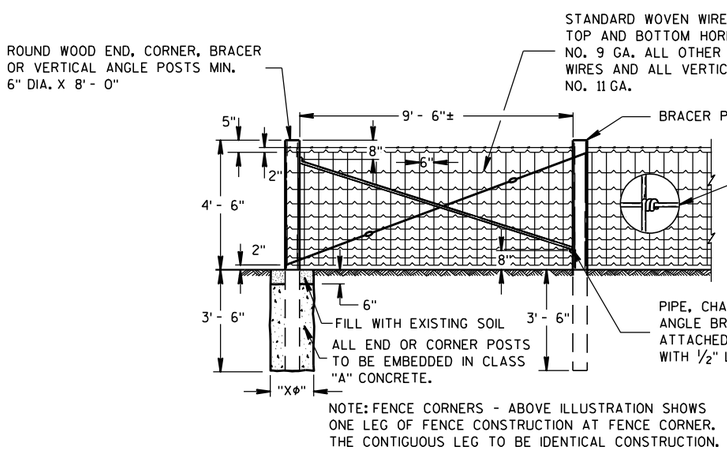
GENERAL NOTES

"XΦ" = DIAMETER OF THE POST PLUS 12".

FENCE STAPLES SHOULD NEVER BE DRIVEN VERTICALLY INTO WOOD POSTS (WITH BOTH LEGS PARALLEL WITH THE WOOD GRAIN). DOING SO CAN SEPARATE THE GRAIN AND SIGNIFICANTLY REDUCE THE HOLDING POWER. ROTATING THE STAPLES SLIGHTLY OFF VERTICAL STRADDLES THE GRAIN AND PROVIDES MORE RESISTANCE TO PULL-OUT.

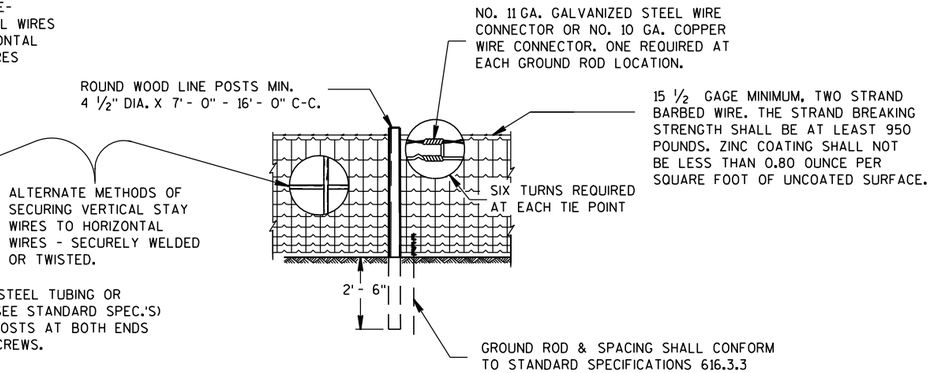
DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED AFTER FORMING. STAPLES SHALL HAVE SLASH-CUT POINTS.

FENCE SHALL BE LOCATED 3'-0" INSIDE THE RIGHT OF WAY LINE UNLESS OTHERWISE INDICATED ON THE PLANS.



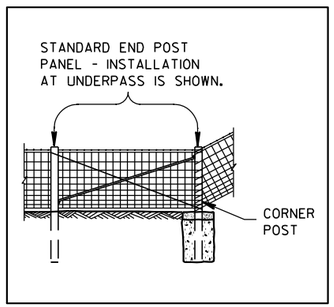
NOTE: FENCE CORNERS - ABOVE ILLUSTRATION SHOWS ONE LEG OF FENCE CONSTRUCTION AT FENCE CORNER. THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.

END OR CORNER POSTS ASSEMBLY

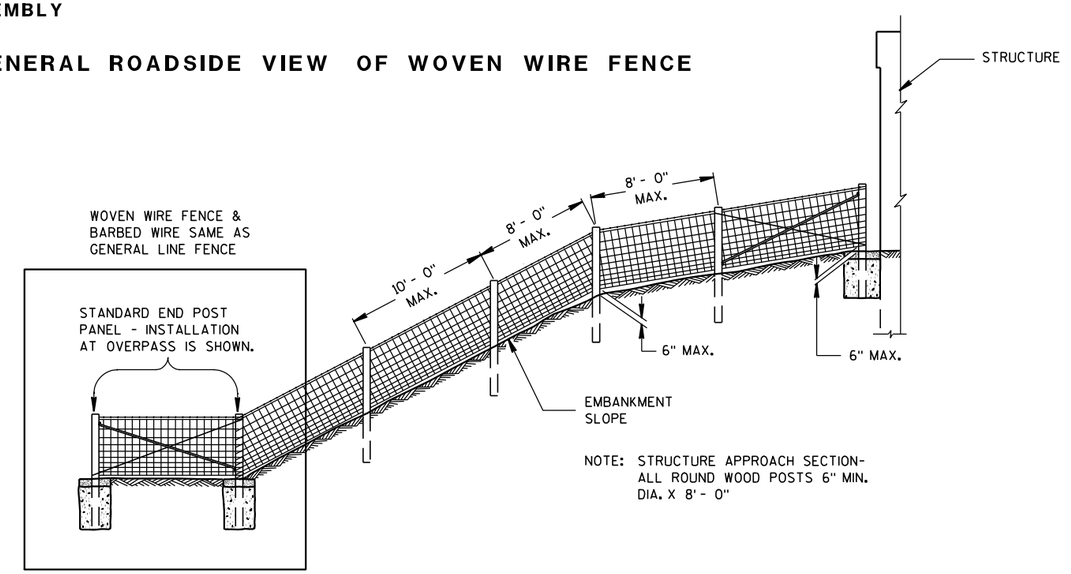


LINE FENCE CONSTRUCTION

GENERAL ROADSIDE VIEW OF WOVEN WIRE FENCE



ALTERNATE FENCE DESIGN AT STRUCTURE



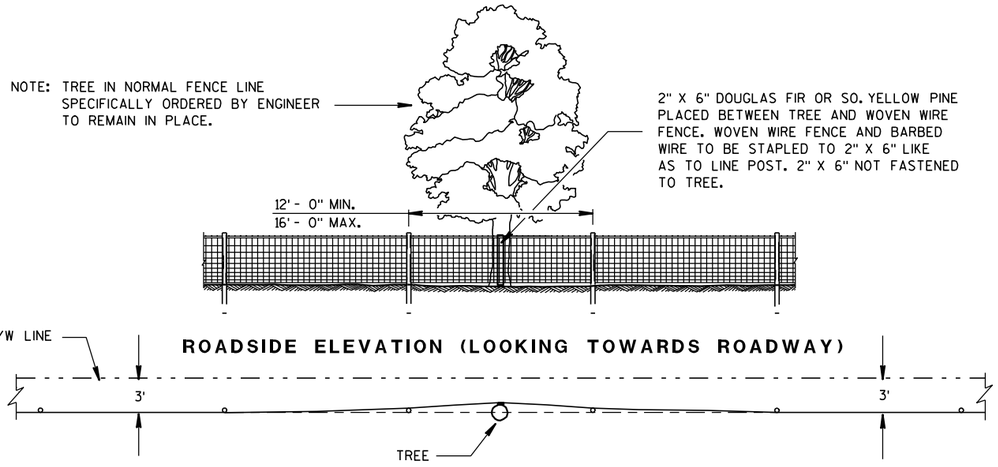
FENCE DESIGN AT STRUCTURE APPROACH

FENCE WOVEN WIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

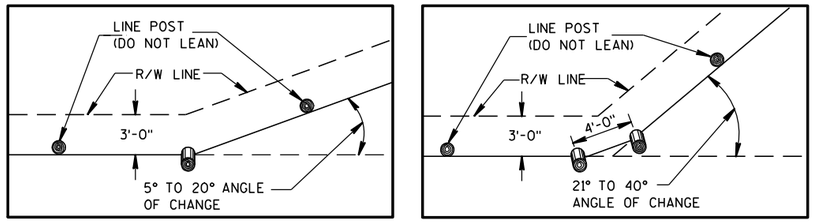
6

S.D.D. 15 B 1-8a



PLAN VIEW

FENCE DESIGN AT TREES REMAINING IN NORMAL FENCE LINE



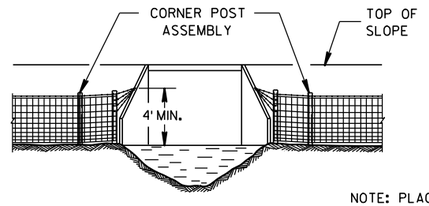
PLAN VIEW SINGLE POST CORNER

PLAN VIEW DOUBLE POST CORNER

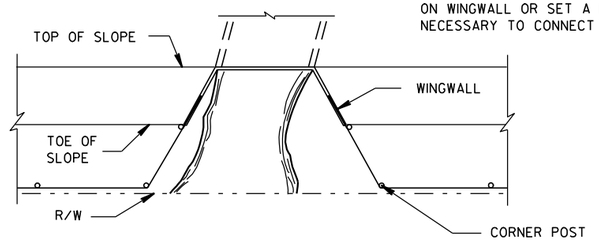
RIGHT OF WAY LINE CHANGE 40° AND LESS

NOTE: SINGLE AND DOUBLE POSTS SHALL BE A MIN. 6" DIA. X 8'-0" WITH A LEAN OF 4" TOWARD THE OUTSIDE OF THE CURVE.

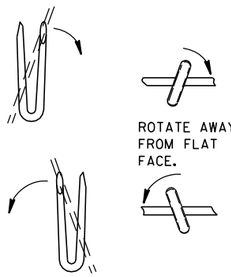
WHEN THE RIGHT OF WAY LINE CHANGE IS MORE THAN 40° USE THE CORNER OR STRETCHER POSTS ASSEMBLY.



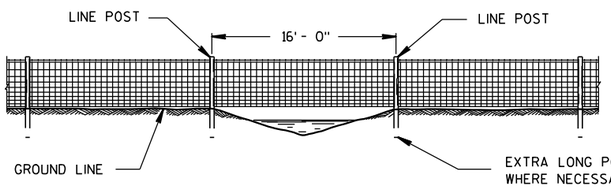
NOTE: PLACE A MINIMUM OF 4 STRANDS OF BARBED WIRE, 6" MAXIMUM CENTERS IN FAN SHAPE CONNECTED TO AN EYE BOLT ON WINGWALL OR SET A LONE POST WHEN NECESSARY TO CONNECT BARBED WIRE.



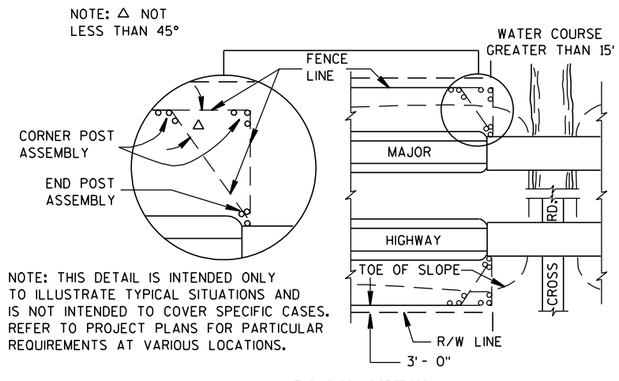
FENCE INSTALLATION TO WINGWALLS



LINE POST

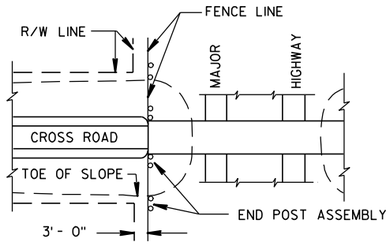


FENCE CONSTRUCTION OVER STREAM COURSES OF 15 FT. OR LESS IN WIDTH



PLAN VIEW

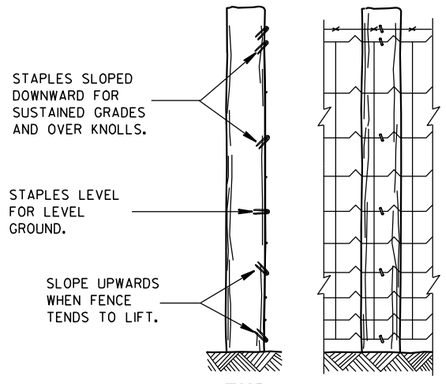
MAJOR HIGHWAY OVERPASS OR STREAM COURSE CROSSING OF GREATER THAN 15 FT. IN WIDTH



PLAN VIEW

MAJOR HIGHWAY UNDERPASS

NOTE: WHEN POSTS ARE DRIVEN THE SMALL END SHALL BE DOWN.



END ELEVATION **FARM SIDE ELEVATION**

FENCE MOUNTING DETAIL

FENCE LOCATION AT STRUCTURES

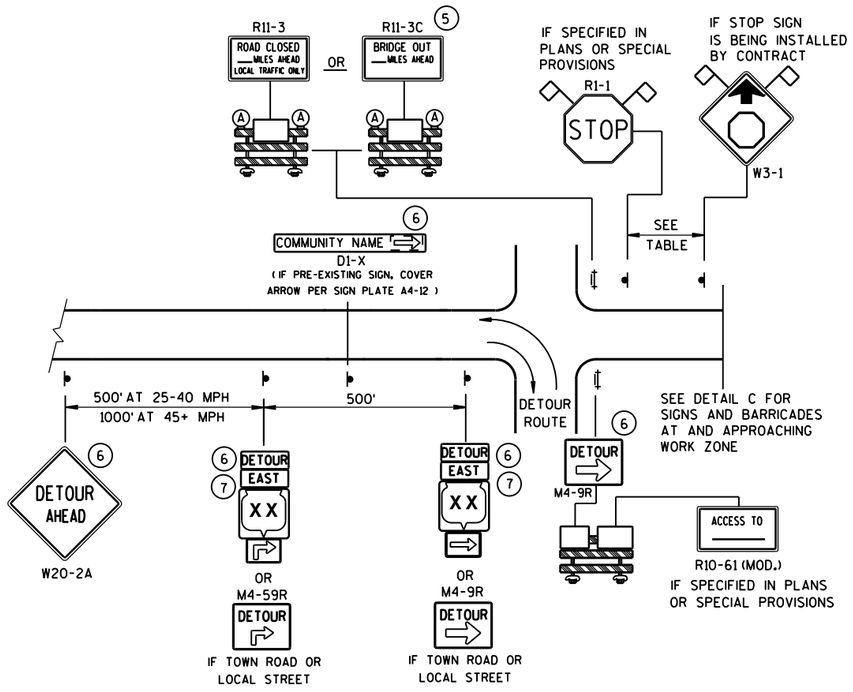
FENCE WOVEN WIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/4/2008 DATE
/S/ Jerry H. Z---
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

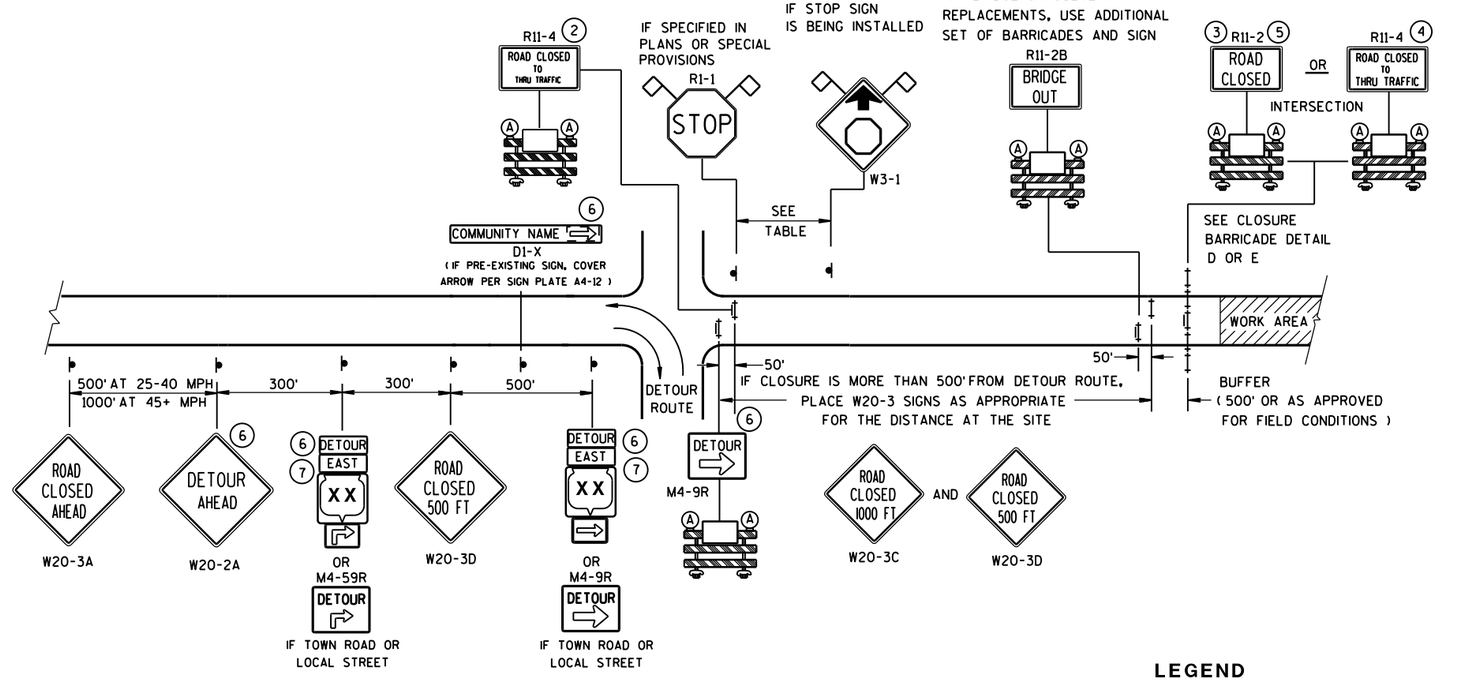
6

S.D.D. 15 B 1-8b



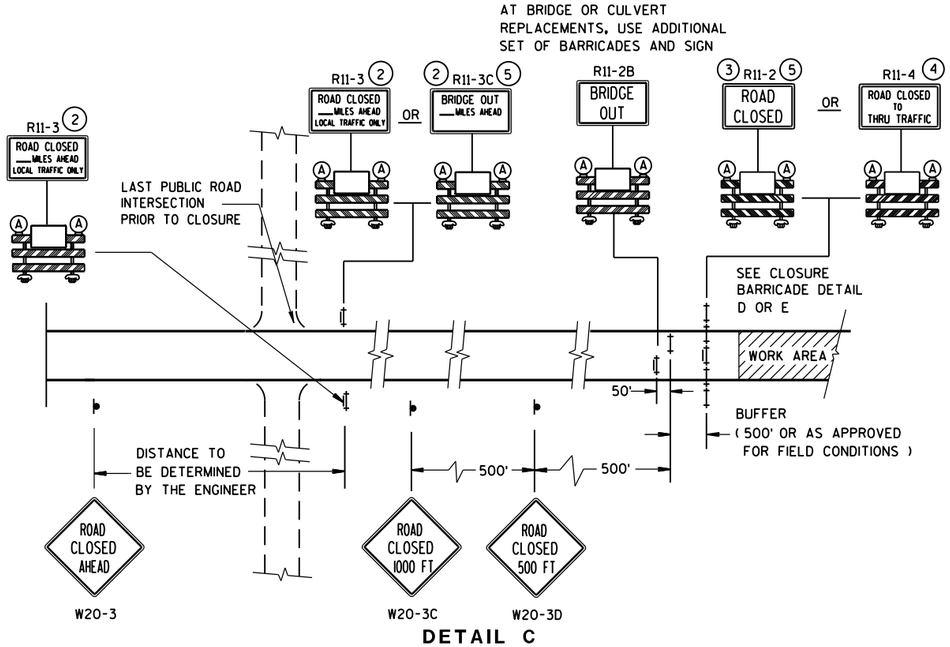
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "**b**"
FOR GENERAL NOTES
AND FOOTNOTES (1) THROUGH (7)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

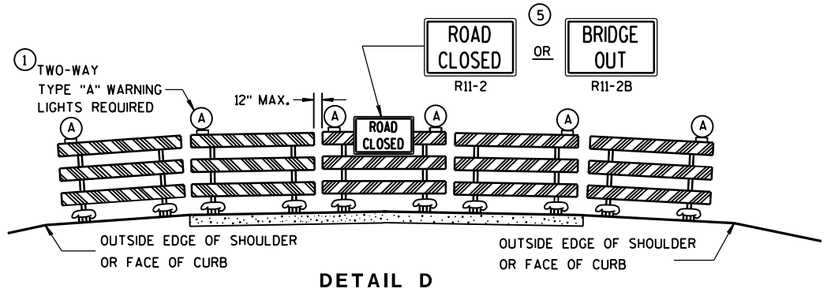
FHWA

6

S.D.D. 15 C 2-6a

6

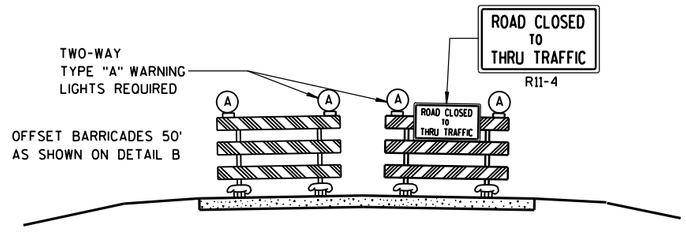
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI — FIC

FHWA

6

S.D.D. 15 C 2-6b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

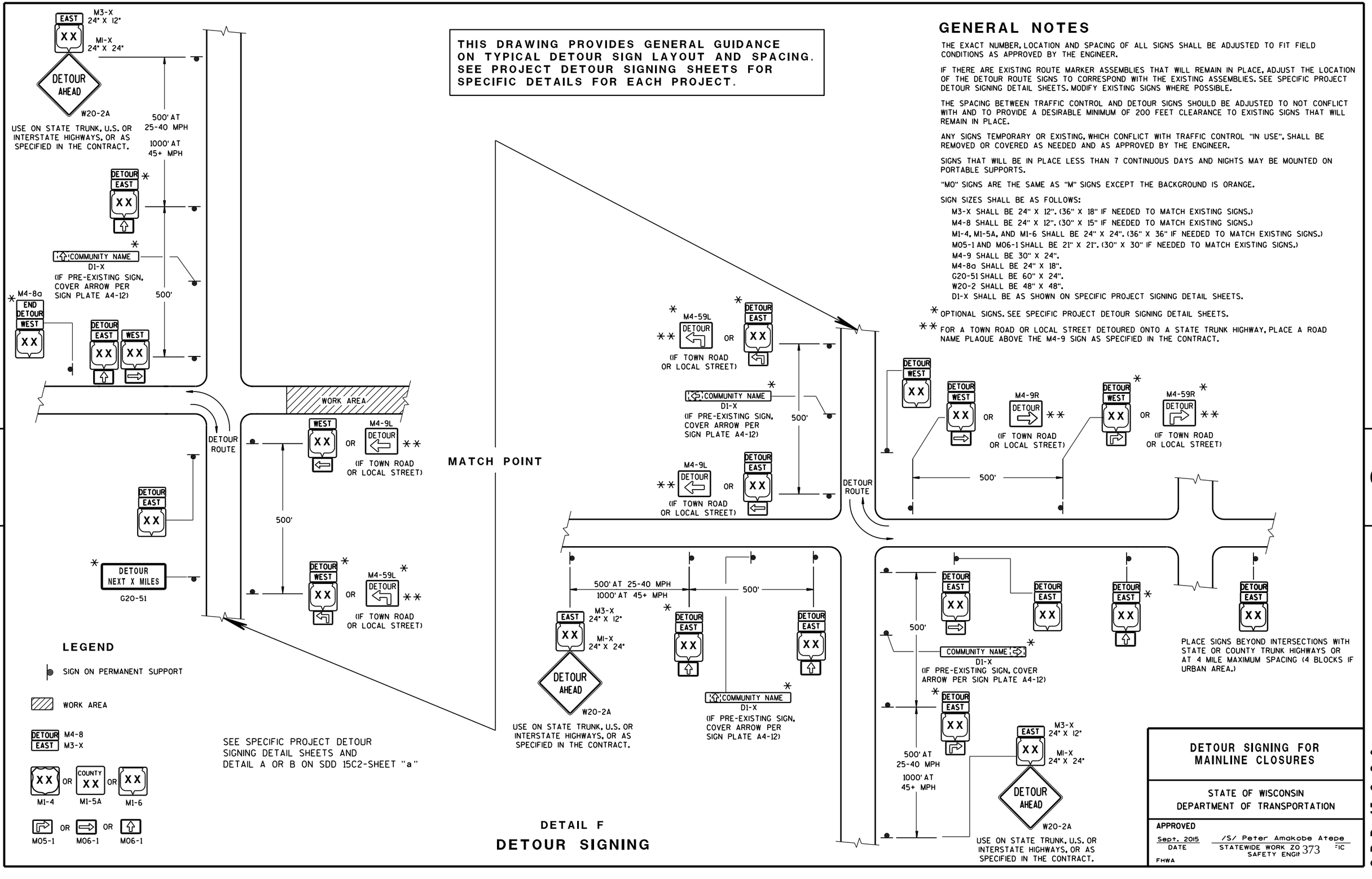
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR EAST — M4-8 / M3-X
- XX OR COUNTY XX OR XX — M1-4 / M1-5A / M1-6
- M05-1 OR M06-1 OR M06-1

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD 15C2-SHEET "a"

DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI...

FHWA

S.D.D. 15 C 2-6c

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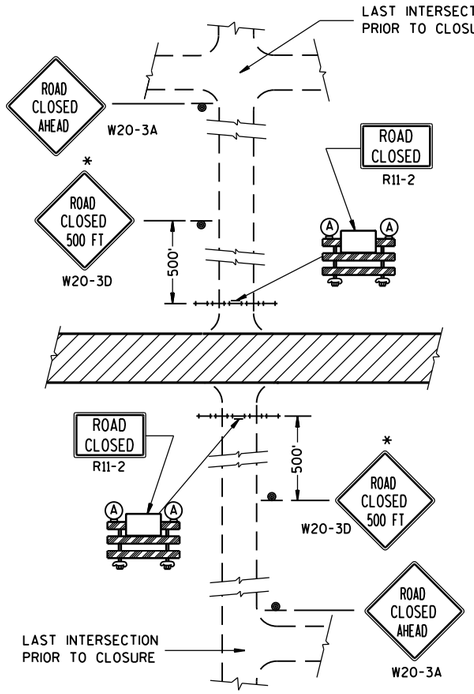
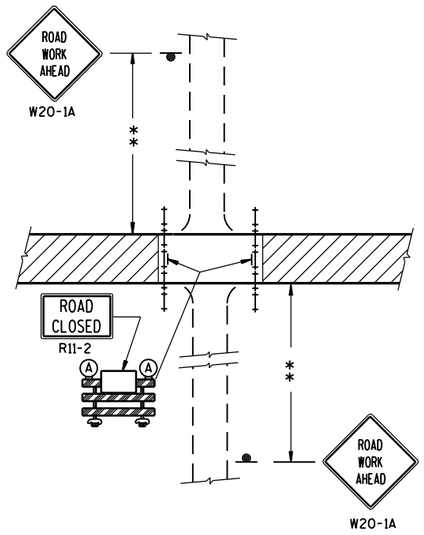


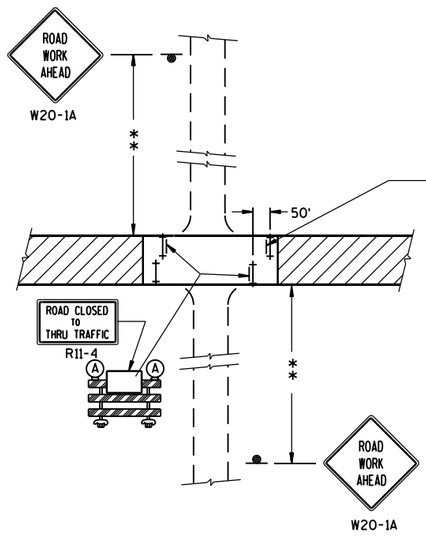
DETAIL 1

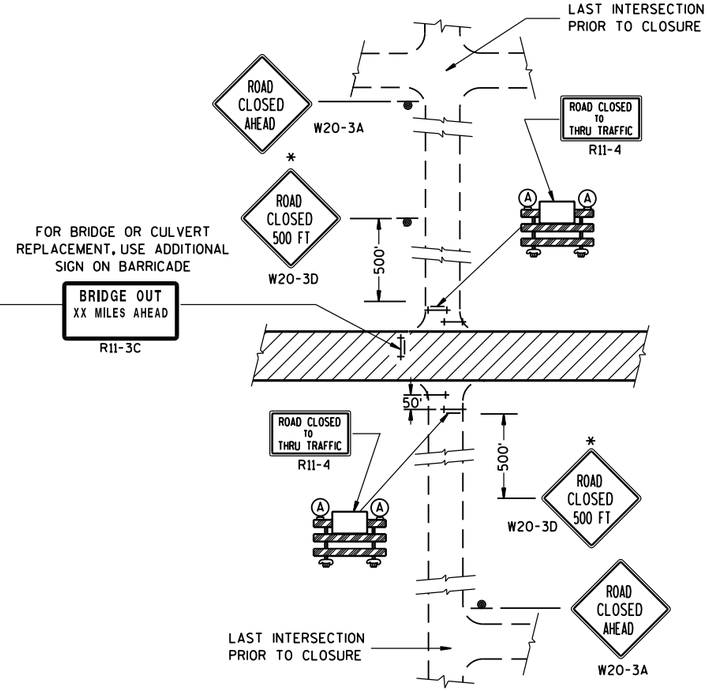
(NO ACCESS TO PROJECT)



DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT).





DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).

DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI... — FHWA

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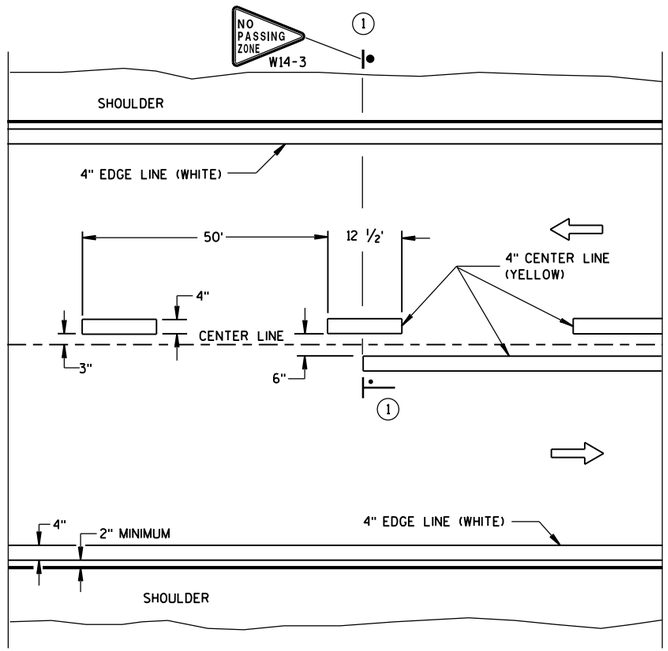
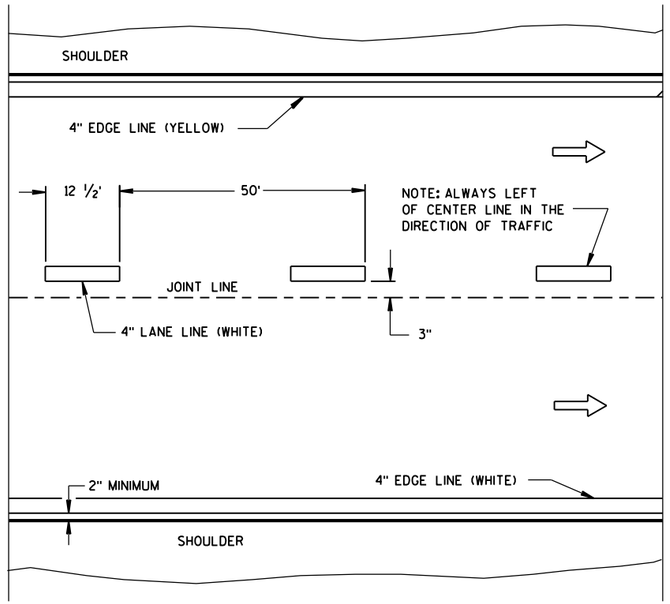
S.D.D. 15 C 3-3

6

S.D.D. 15 C 3-3



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

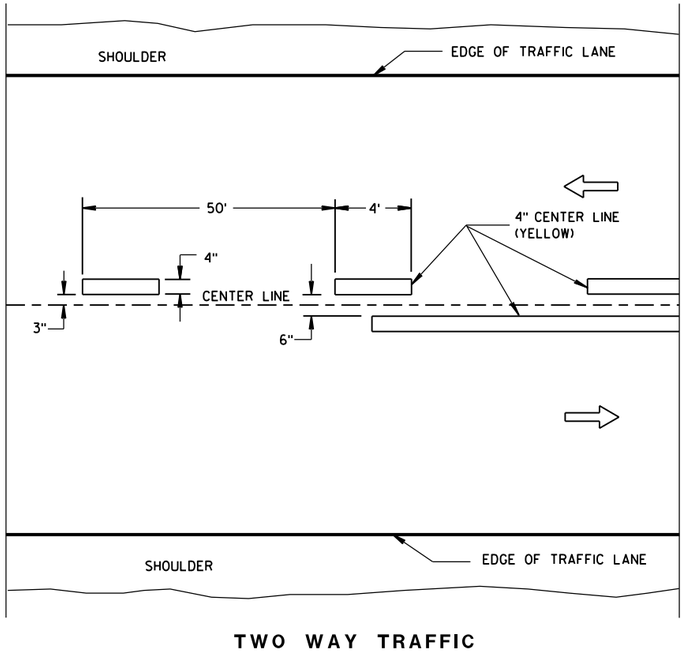
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

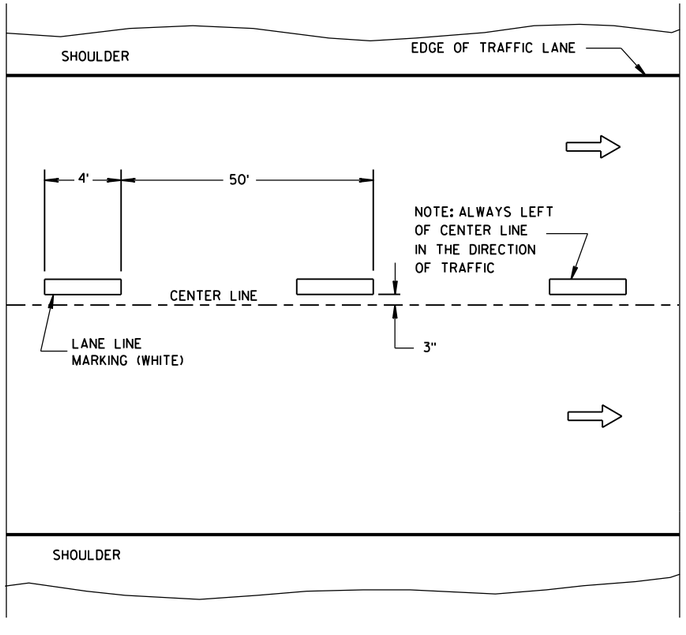
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
June 2017 (DATE)	/S/ Matthew R. Rauch (STATE SIGNING AND MARKING ENGINEER)
FHWA	

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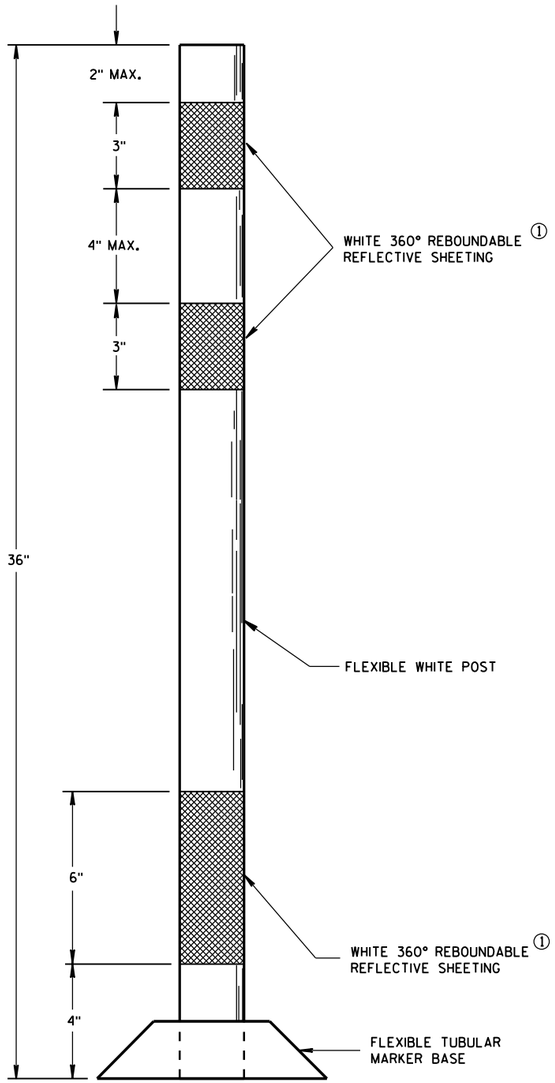
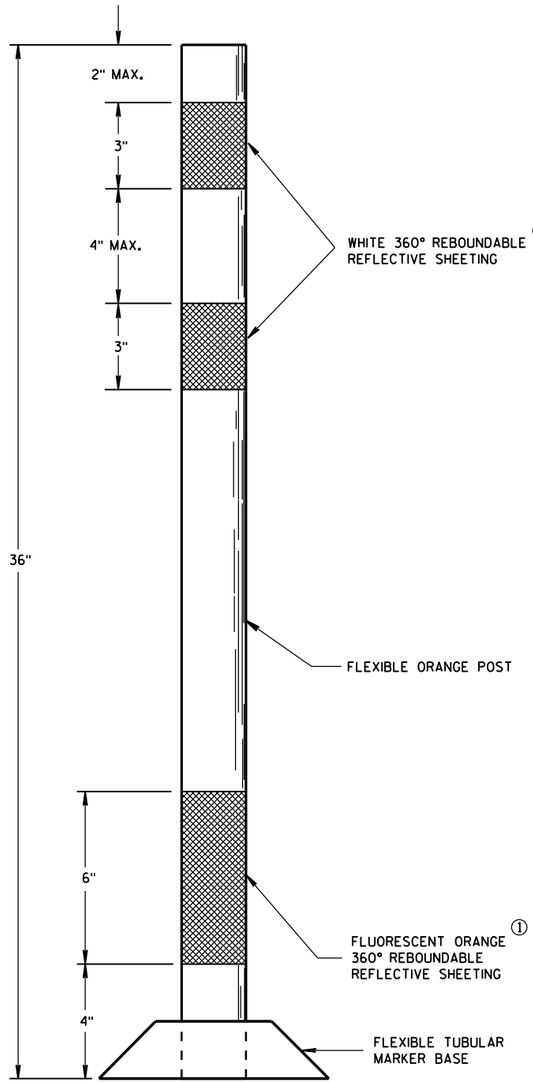
S.D.D. 15 C 8-18a



FLEXIBLE
TUBULAR MARKER POST
PERMANENT CROSSOVER



FLEXIBLE
TUBULAR MARKER POST
WORK ZONE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENGR
FHWA

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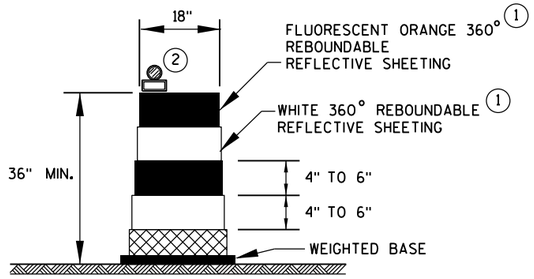
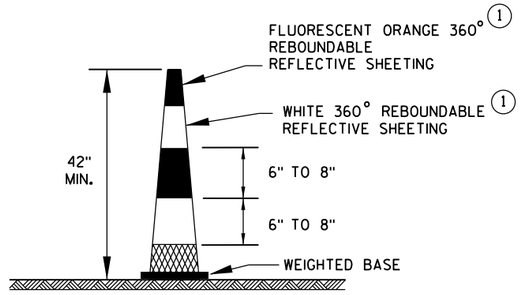
S.D.D. 15 C 11-7a



DRUM

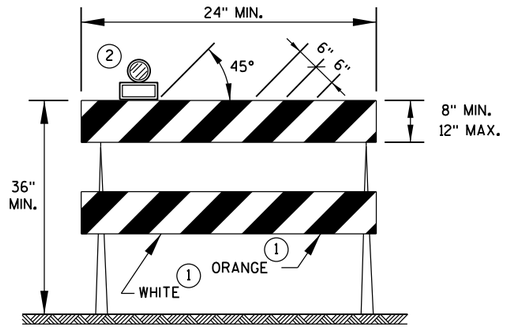


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

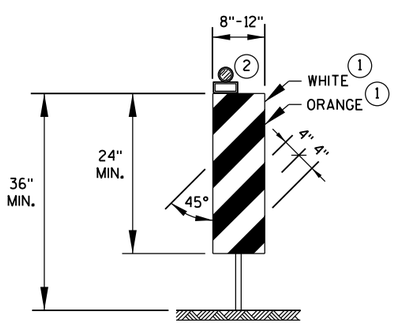
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



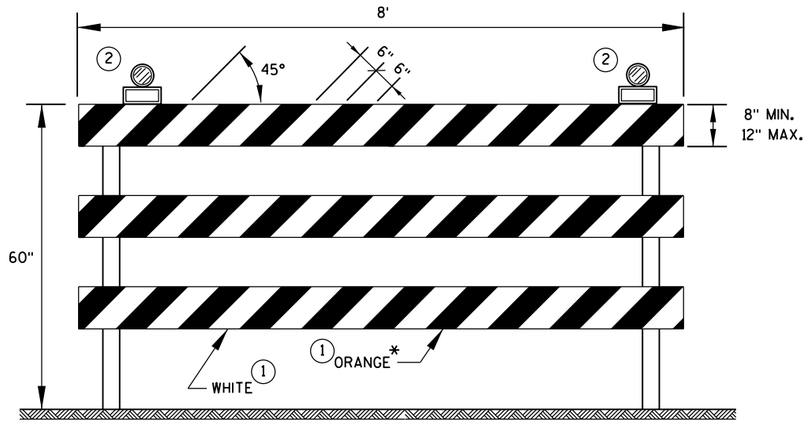
TYPE 2 BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 3 BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Andrew Heidtke — WORK ZONE ENG
FHWA

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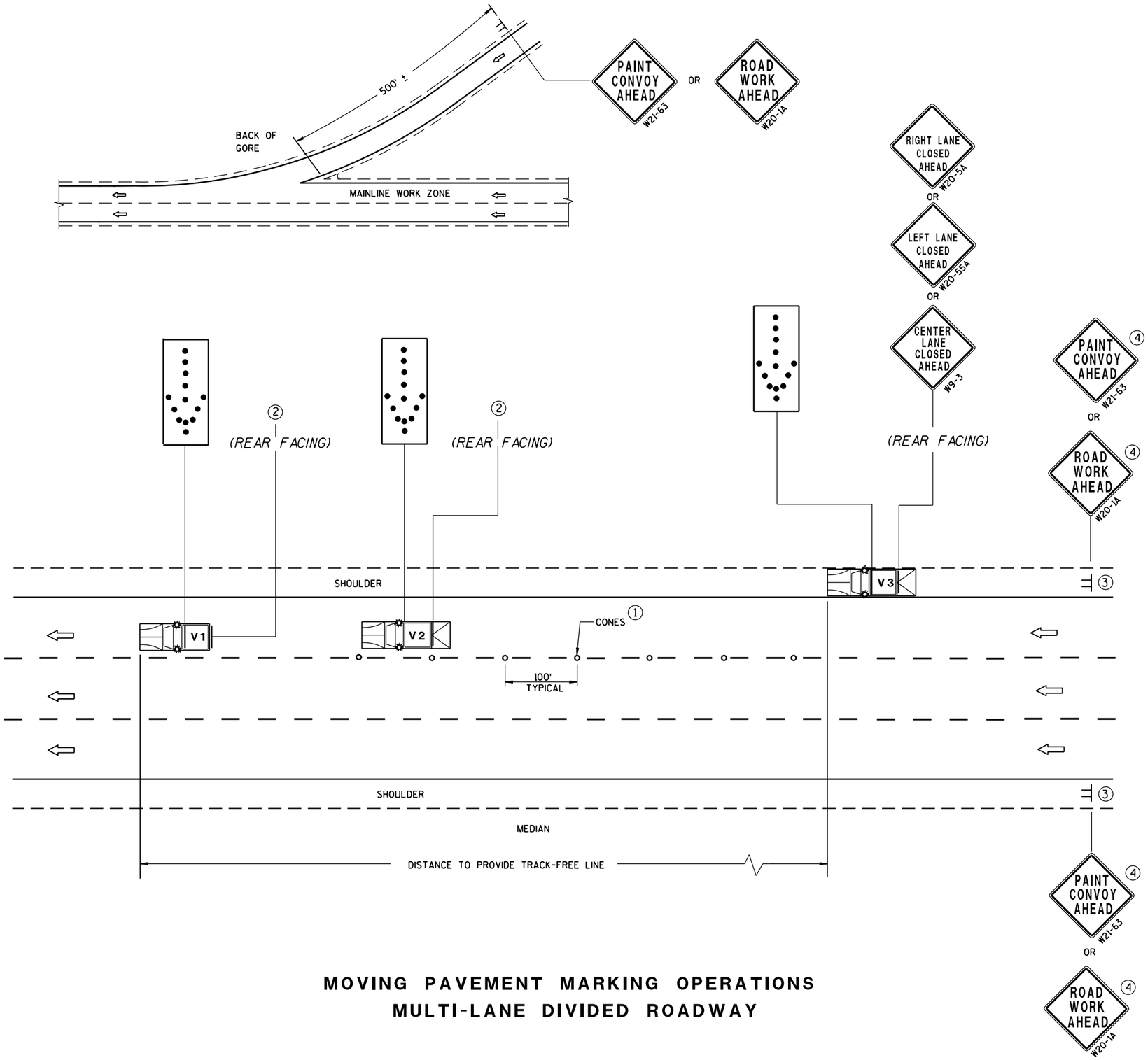
S.D.D. 15 C 11-7b



MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE DIVIDED ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

FOR EDGELINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH. USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

THIS DRAWING SHALL BE USED FOR EDGELINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

(2) USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

(3) SIGNS SHALL BE REPEATED AFTER EVERY ON RAMP OR EVERY THREE MILES.

(4) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

V1	LEAD VEHICLE
V2	SHADOW VEHICLE
V3	TRAIL VEHICLE WITH TMA
TMA	TRUCK-MOUNTED ATTENUATOR
	SIGN ON TEMPORARY SUPPORT
	DIRECTION OF TRAFFIC
	CONES
	FLASHING ARROW PANEL (MERGE)

MOVING PAVEMENT MARKING OPERATION
MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZON SAFETY ENGINI
FHWA

6 S.D.D. 15 C 19-4c

6 S.D.D. 15 C 19-4c

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING
- CONCRETE BARRIER TEMPORARY PRECAST
- DIRECTION OF TRAFFIC
- WORK AREA

L, TAPER LENGTH (MPH)							
SPEED (MPH)	W, LATERAL OFFSET (FT)						
	10	11	12	13	14	15	16
45	450	495	540	585	630	675	720
50	500	550	600	650	700	750	800
55	550	605	660	715	770	825	880
60	600	660	720	780	840	900	960
65	650	715	780	845	910	975	1040
70	700	770	840	910	980	1050	1120

XX MILES AHEAD — W057-52 48"x36"

INSTALL ON EACH APPROACH AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY, OR AS DIRECTED BY THE ENGINEER. WIDTH ON SIGN TO BE APPROX. 1 FOOT LESS THAN AVAILABLE WIDTH (OMIT IF AVAILABLE WIDTH IS MORE THAN 16 FEET).

OR

LOCATED 2600 FEET IN ADVANCE OF R2-1 SIGN AND 500 FEET BEYOND THE "ROAD WORK 1 MILE" SIGN.

OR

R2-1 48"x60" (BLACK AND WHITE)

LOCATED 500 FEET BEYOND W20-5G SIGN.

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES.

* INCLUDE RESUME SPEED LIMIT SIGN A MINIMUM OF 200 FEET (500 FEET DESIRABLE) AFTER END ROAD WORK SIGNS.

GENERAL NOTES

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

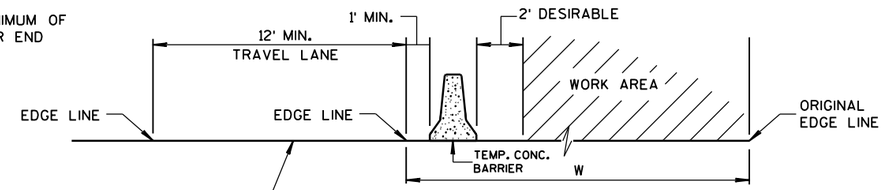
(1) CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUM TAPER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

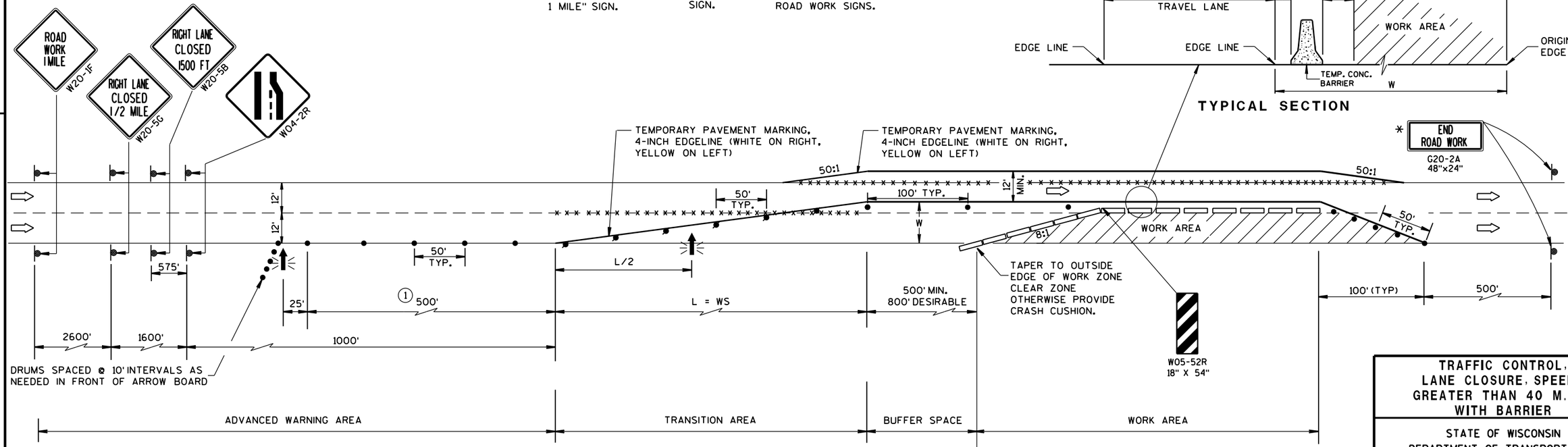
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.



TYPICAL SECTION



TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

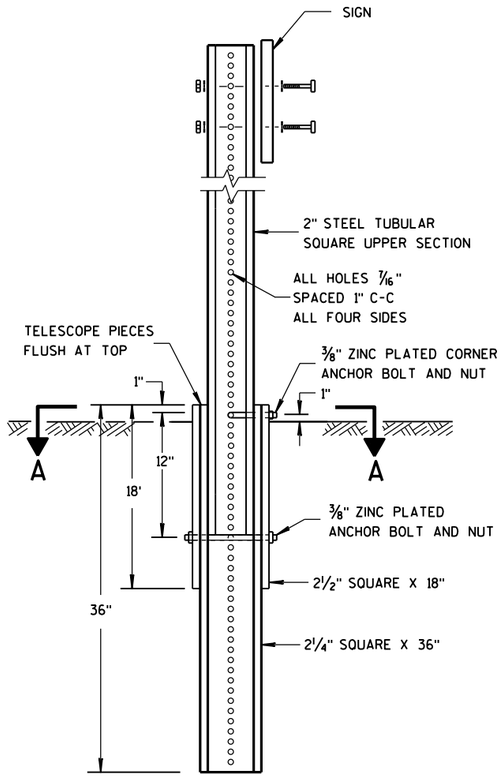
APPROVED
Sept., 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZOI SAFETY ENGIN
FHWA

6

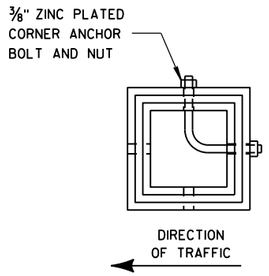
S.D.D. 15 D 3-4

6

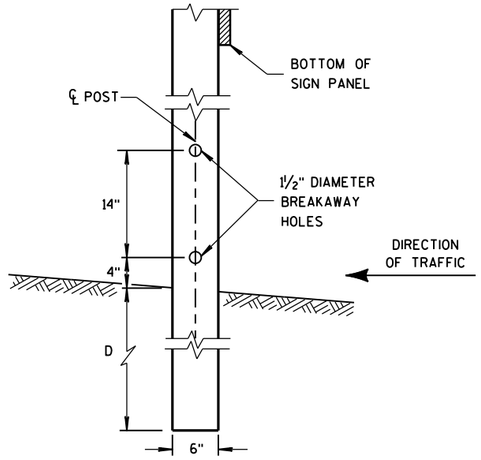
S.D.D. 15 D 3-4



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



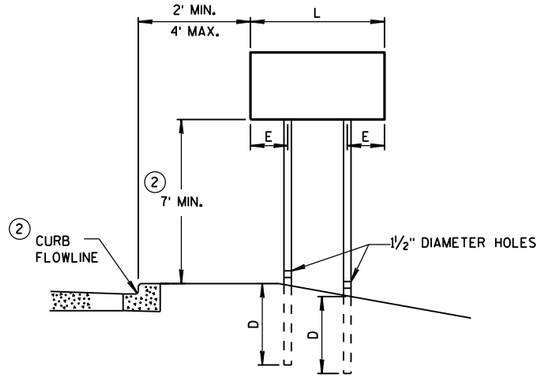
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

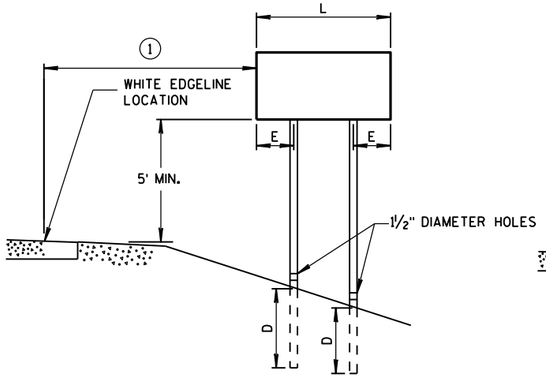
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

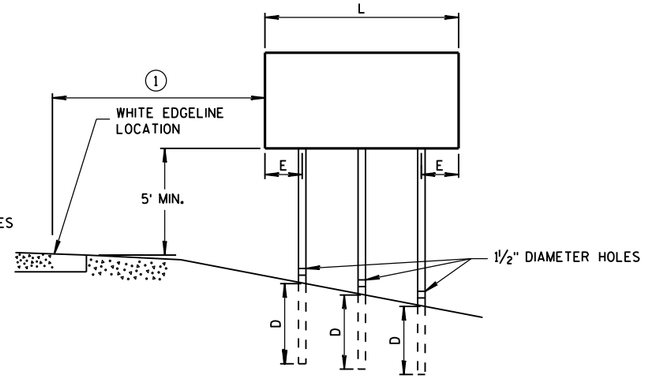
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

STATE OF WISCONSIN DEPARTMENT OF TRANSPO

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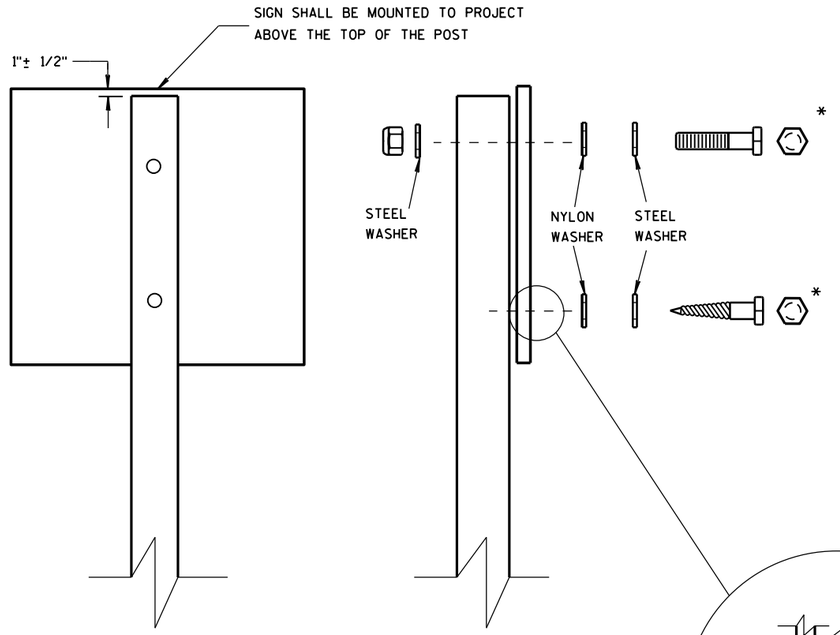
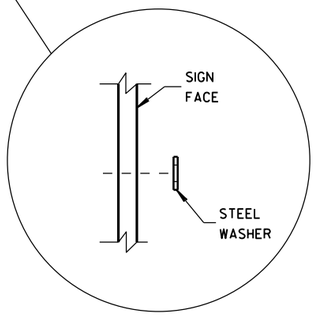
S.D.D. 15 D 38-1a





WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3

B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

S.D.D. 15 D 38-1b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

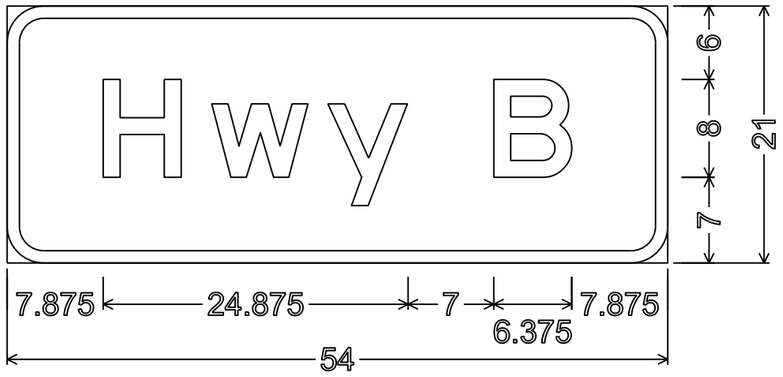
APPROVED
Feb. 2015 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

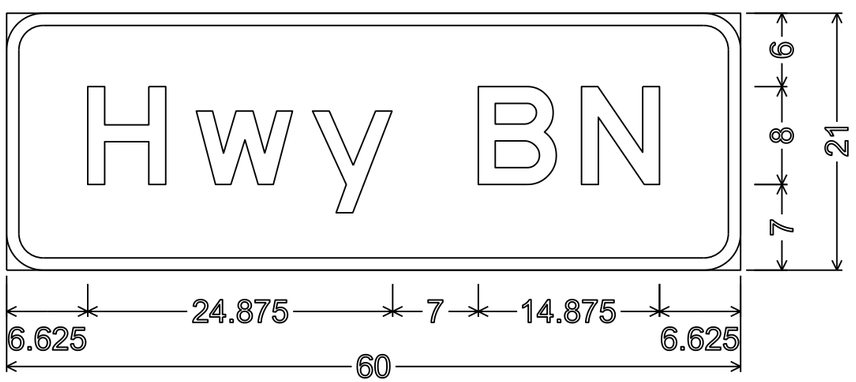
S.D.D. 15 D 38-1b

NOTES

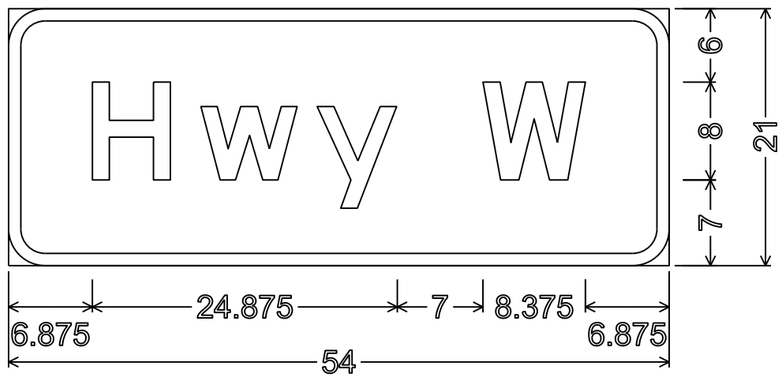
1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E



M1-94;
3.000" Radius, 1.000" Border



M1-94;
3.000" Radius, 1.000" Border



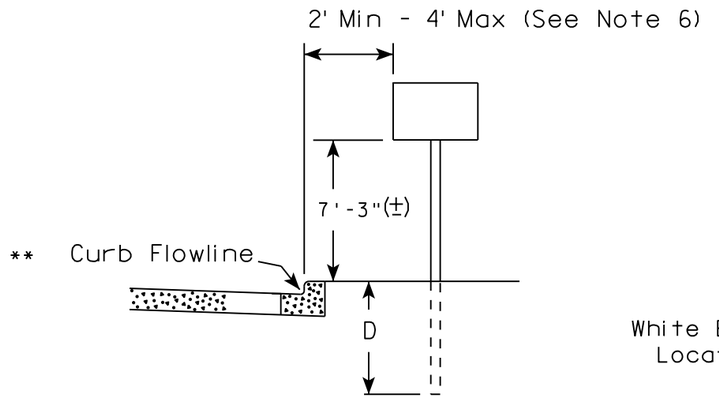
M1-94;
3.000" Radius, 1.000" Border

7

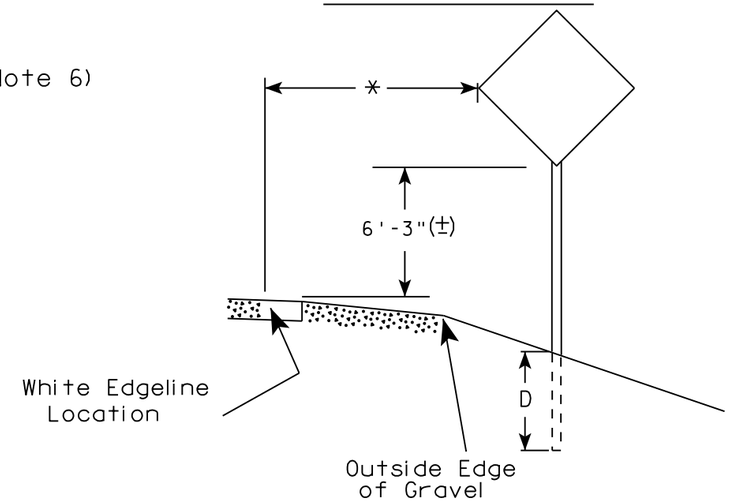
7

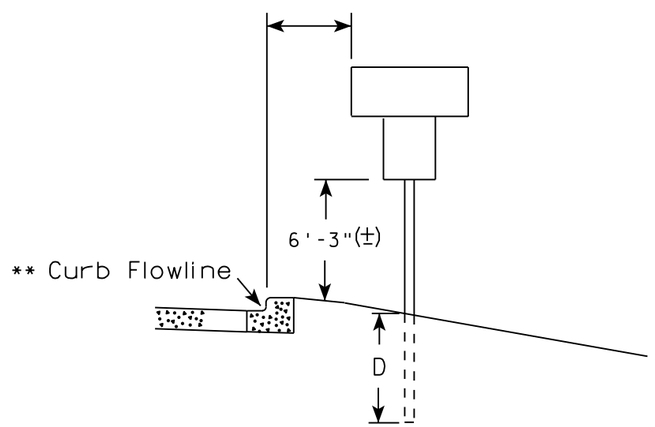
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING	SHEET NO: 382	E

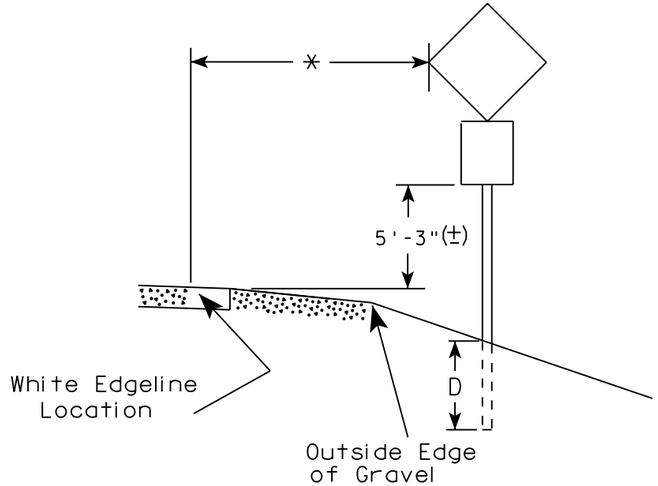
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

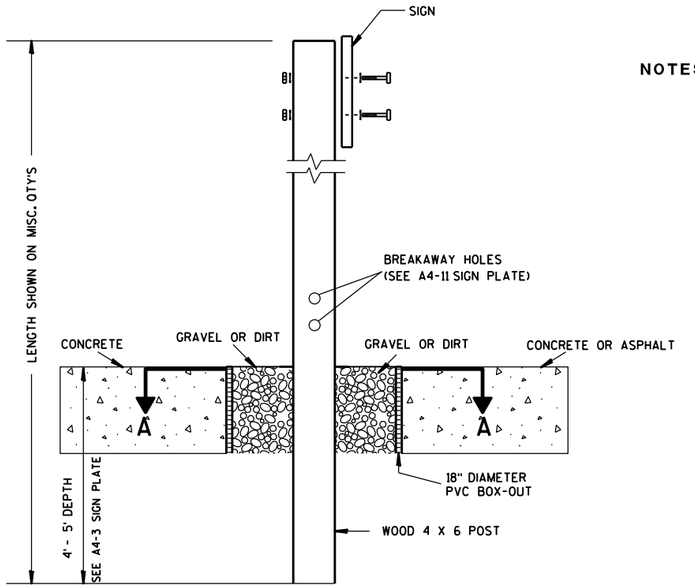
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

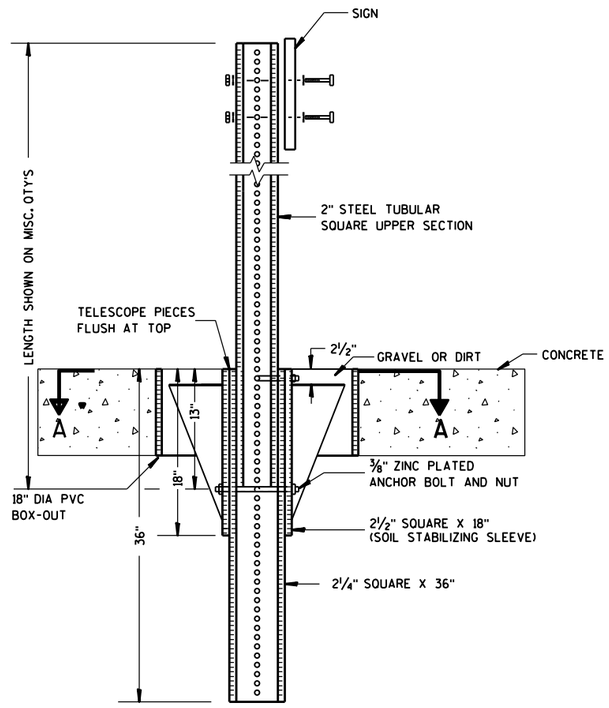
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 383	E



ELEVATION VIEW

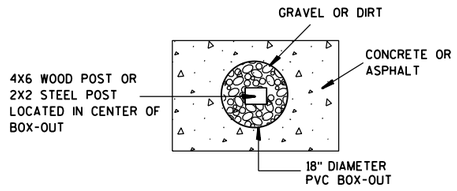
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

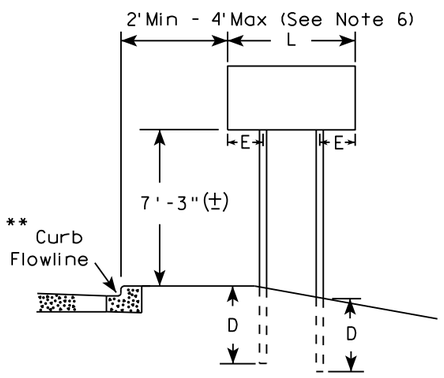
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

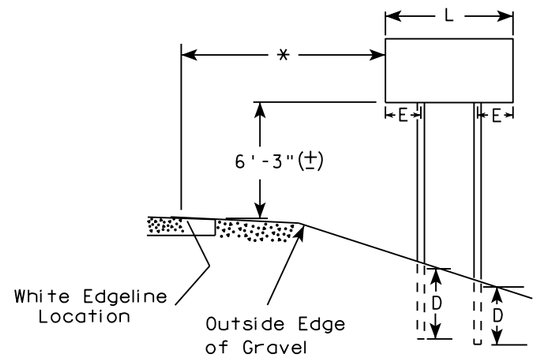
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

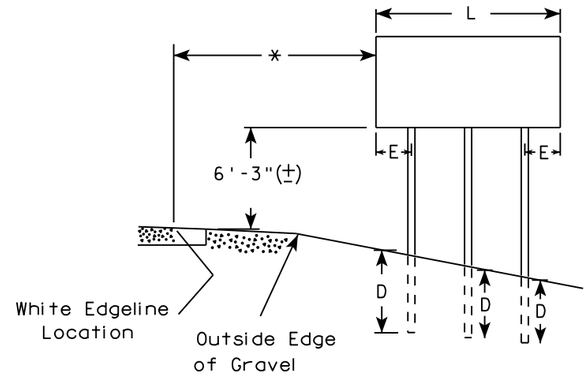
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

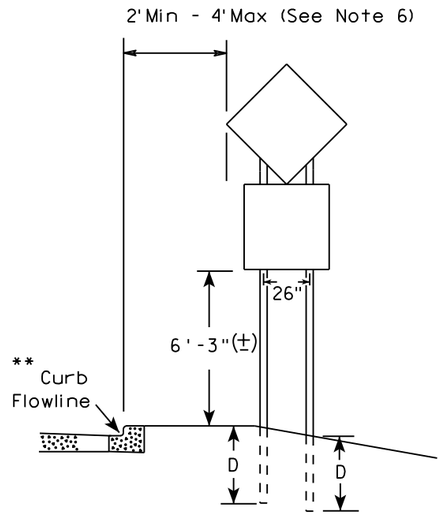
URBAN AREA



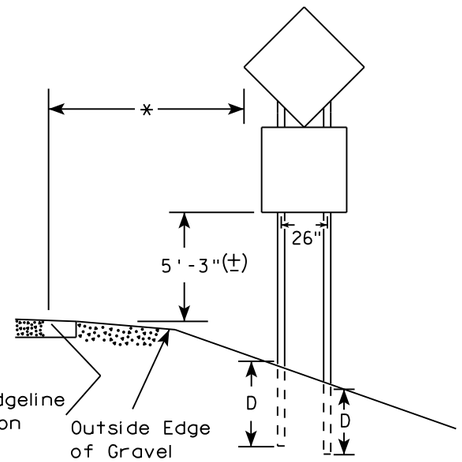
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

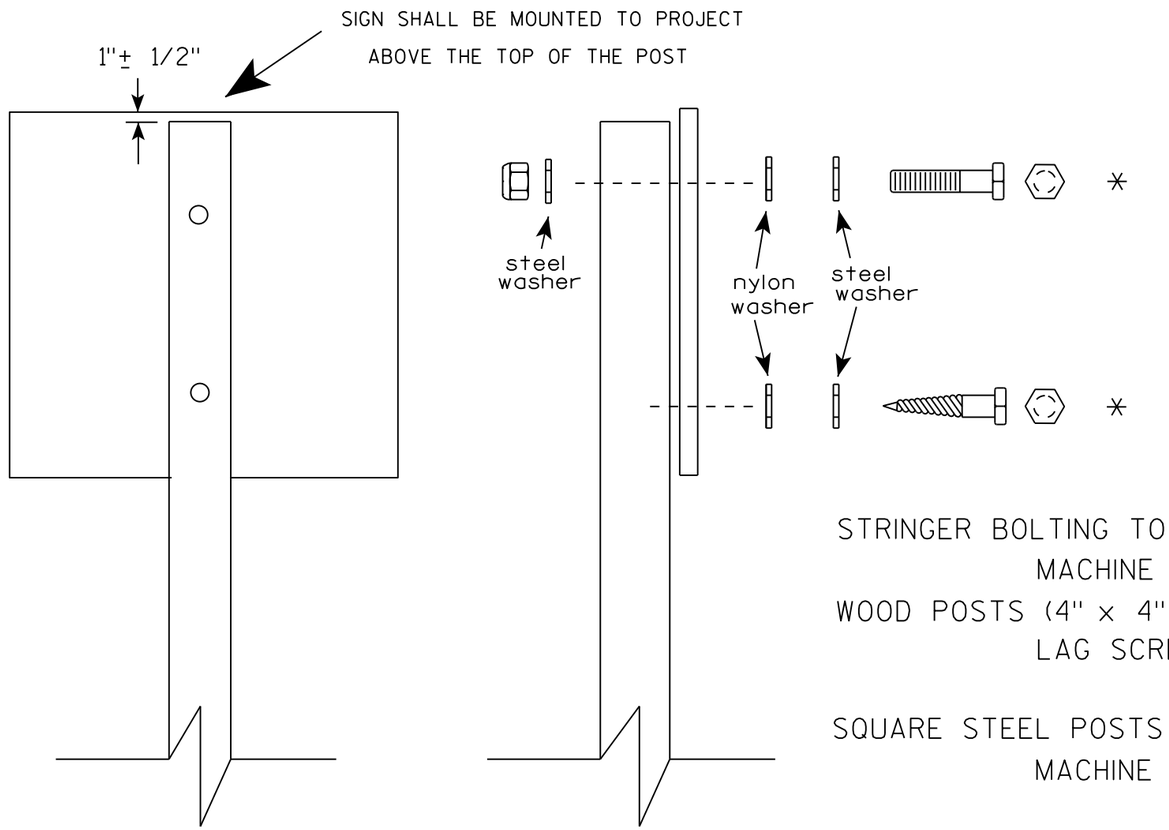
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 385	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/11/16 PLATE NO. A4-8.8

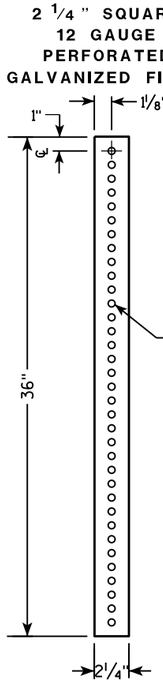
7

PROJECT NO: SHEET NO: E

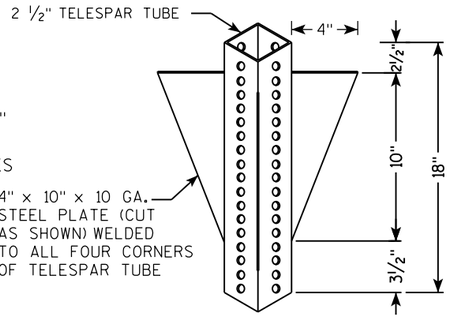
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

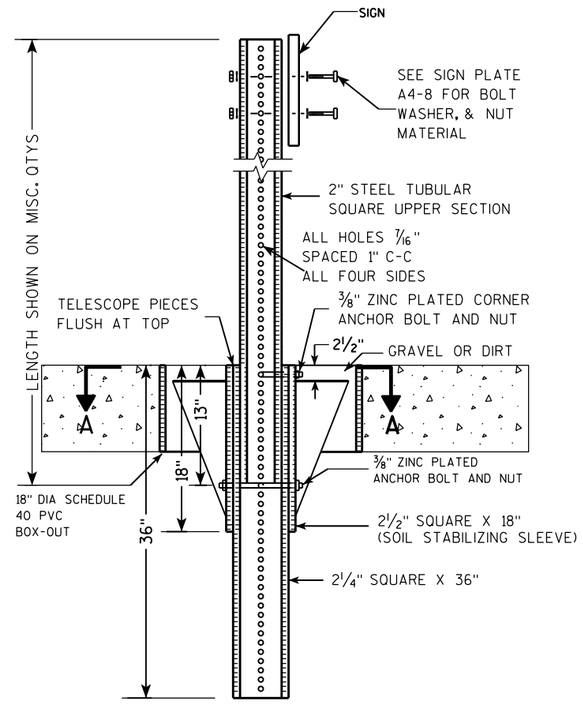
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



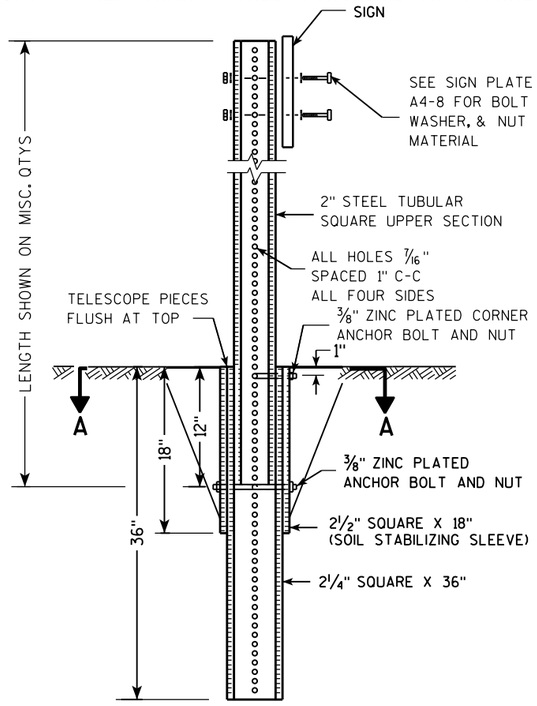
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

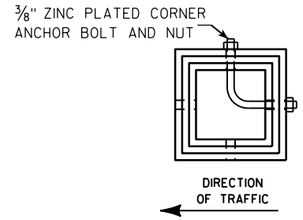


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

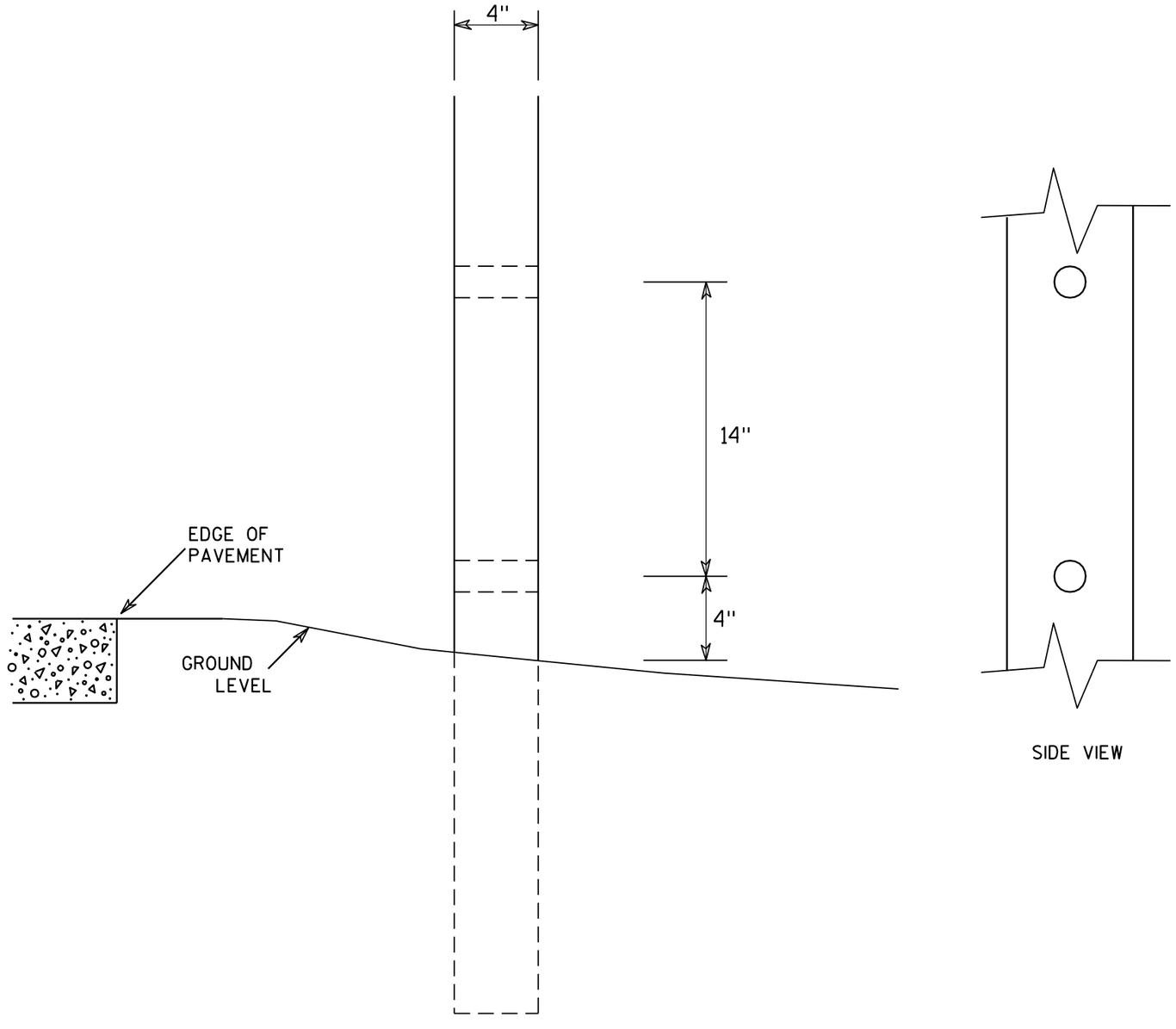
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000
WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

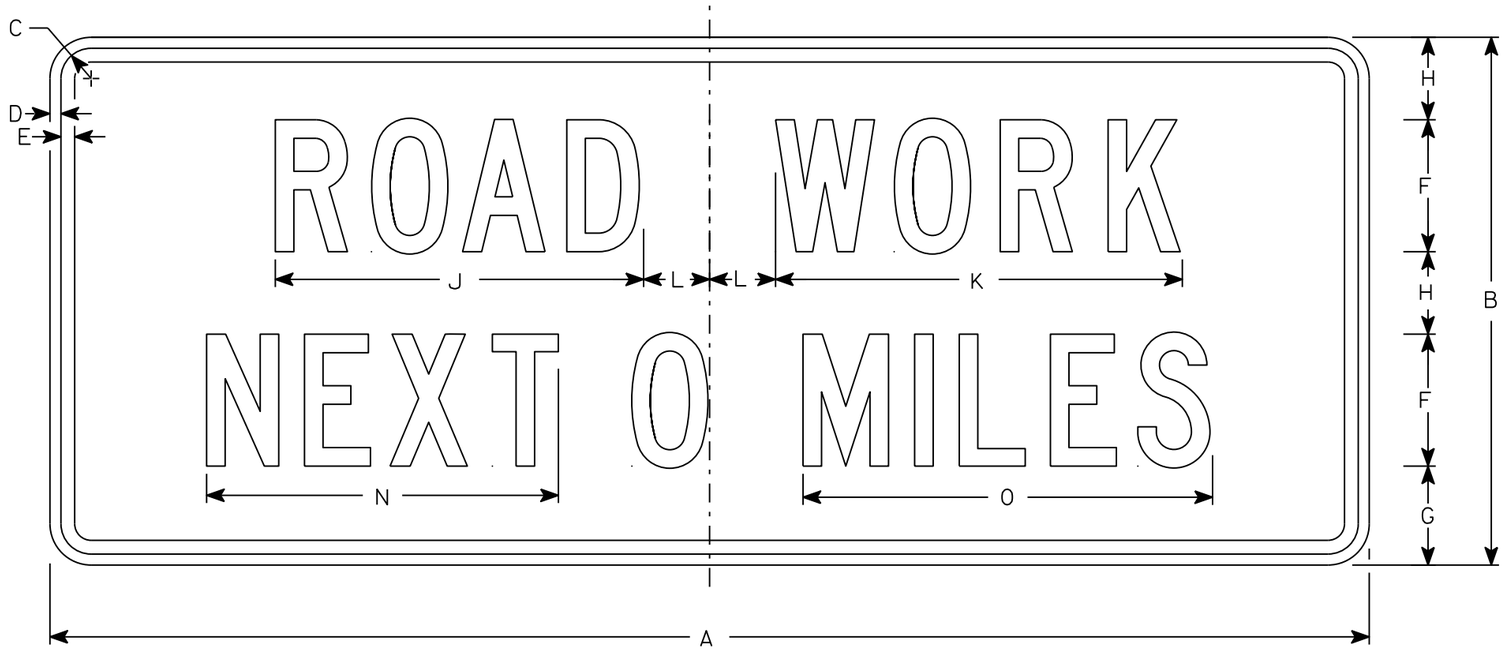
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang
for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 388	E



G20-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10
5																											

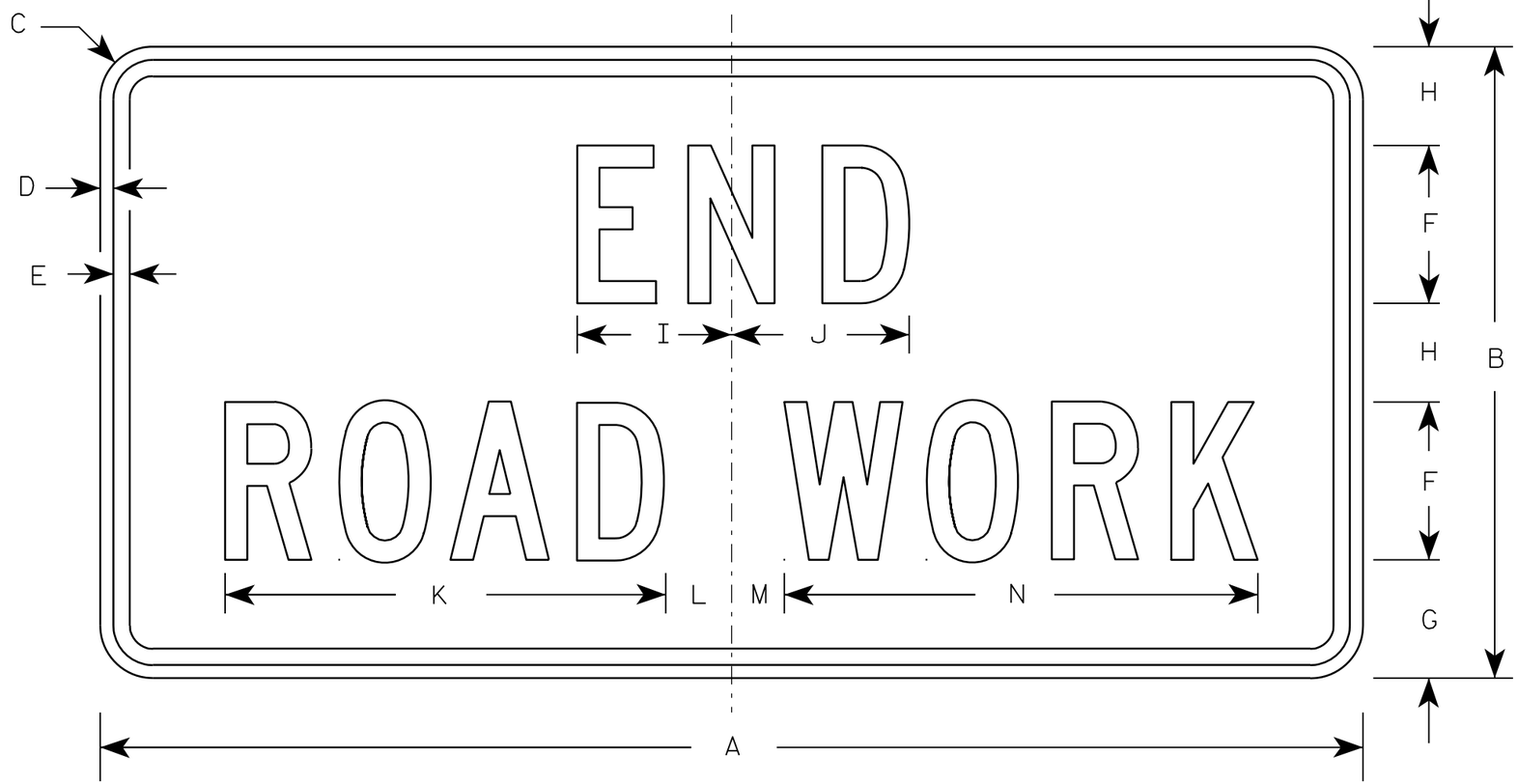
STANDARD SIGN
G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/14/17 PLATE NO. G20-1.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 389 | E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

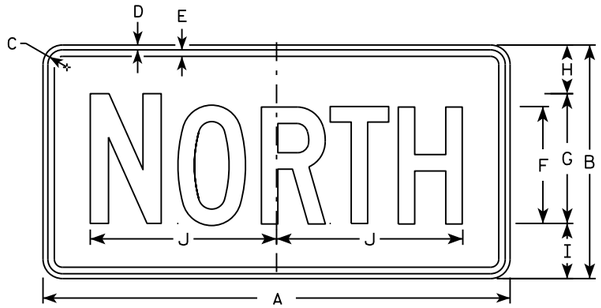
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

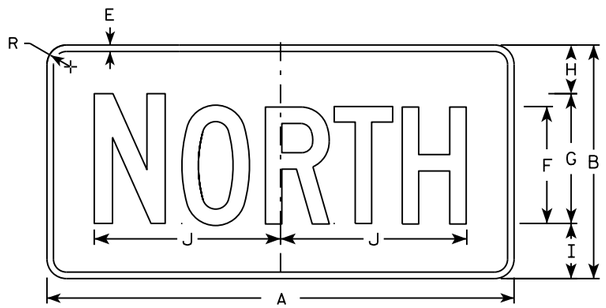
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 390	E



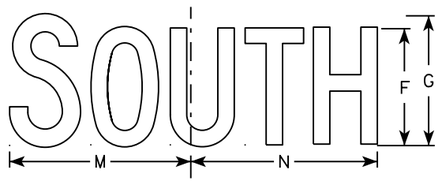
M3-1
MM3-1
MP3-1



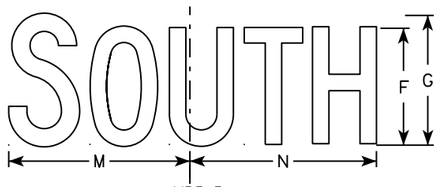
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

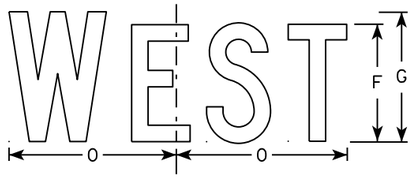
MB3-2
MK3-2
MN3-2



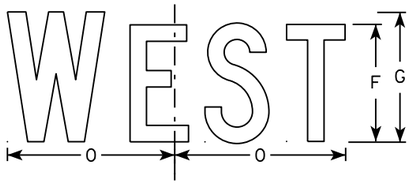
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

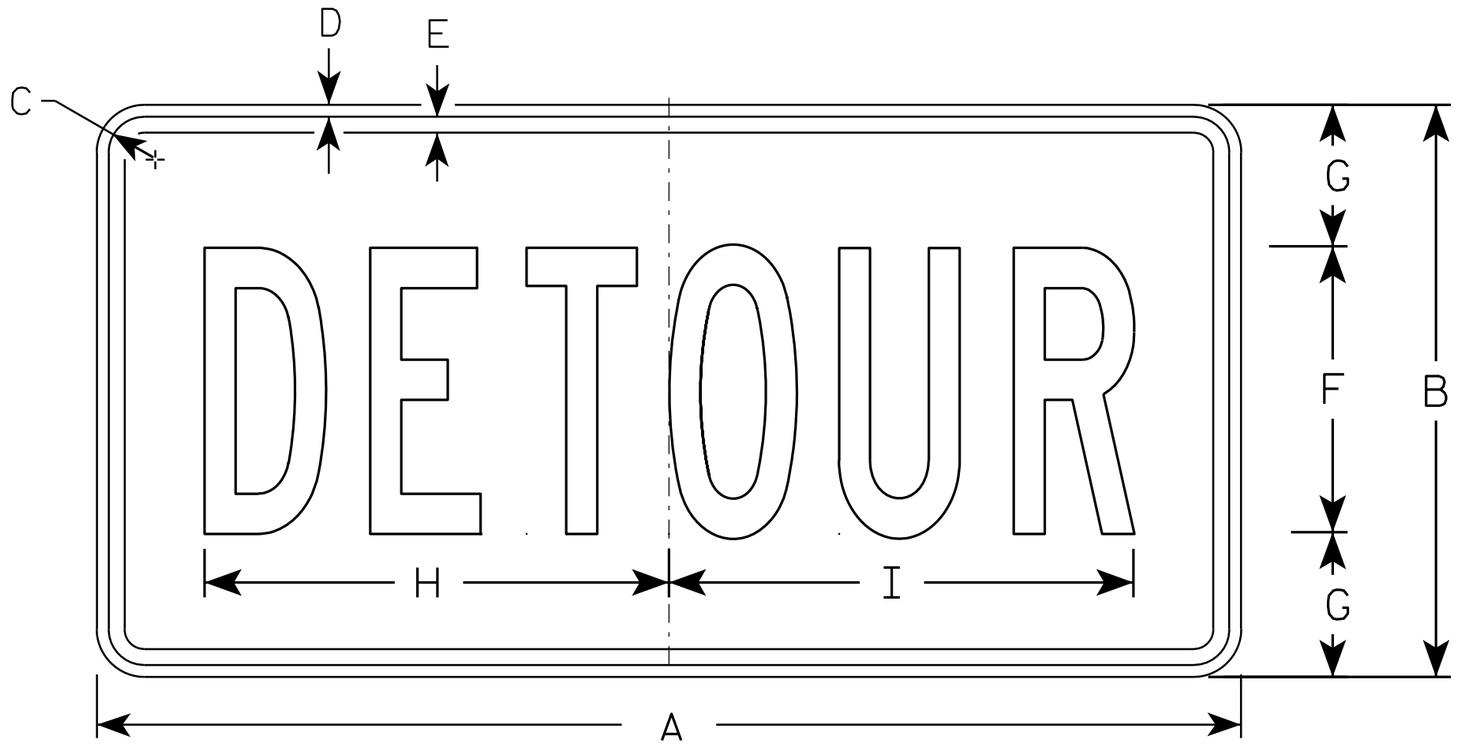
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

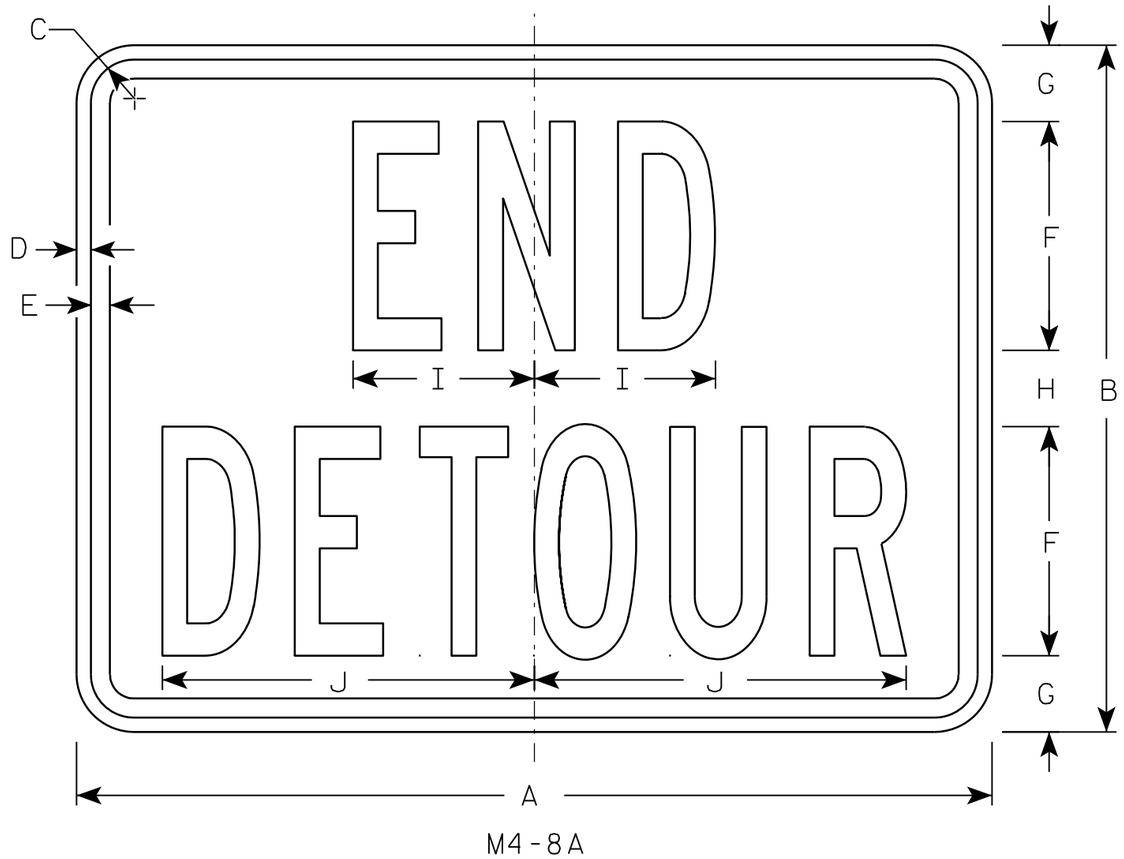
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 392	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

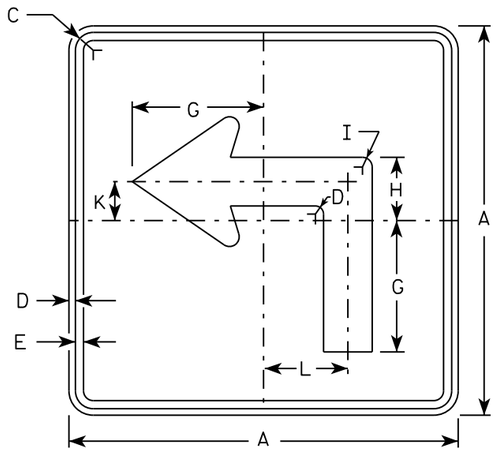
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

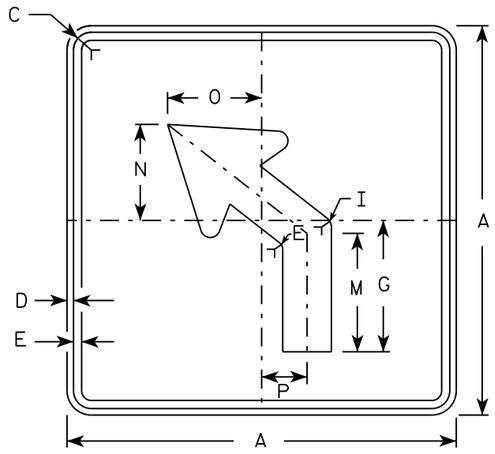
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

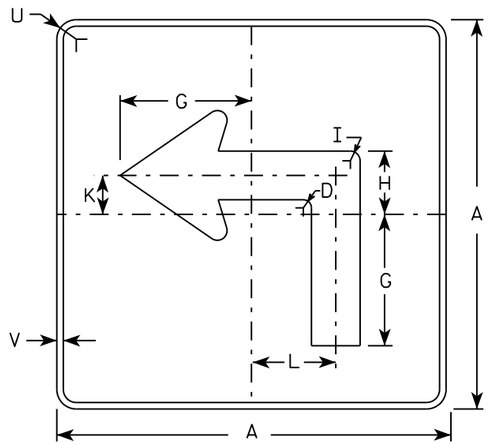
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 393	E



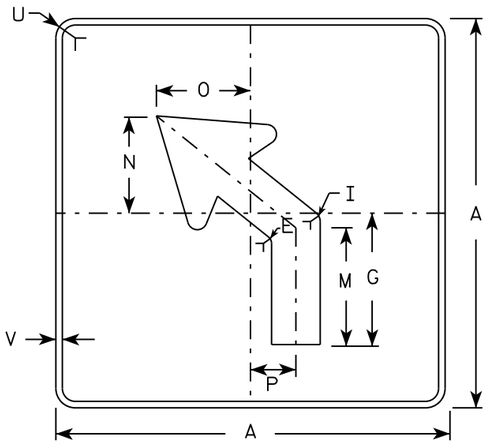
M5-1L
MM5-1L
MO5-1L
MP5-1L



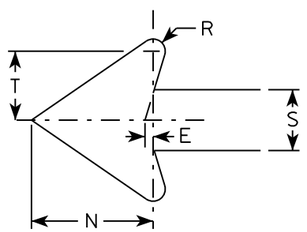
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

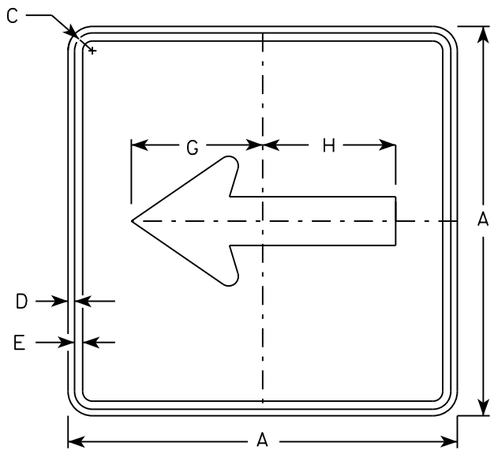
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

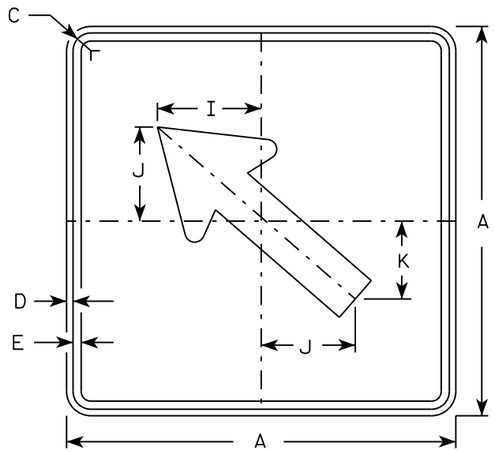
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



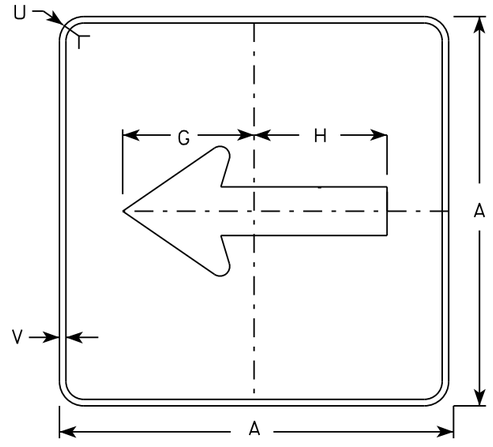
M6-1
MM6-1
MO6-1
MP6-1



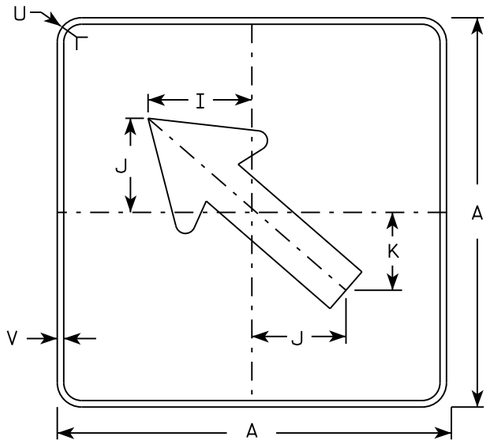
M6-2
MM6-2
MO6-2
MP6-2

NOTES

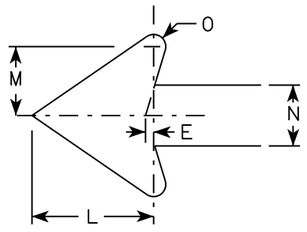
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

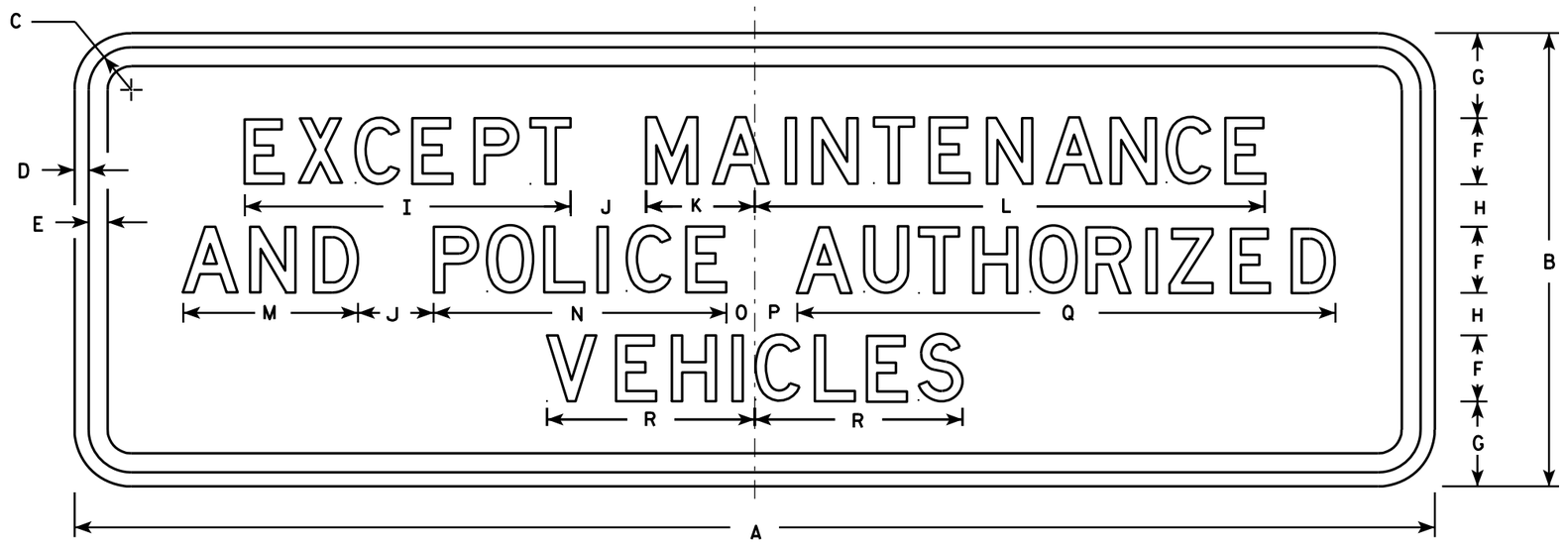
DATE 10/15/15 PLATE 395 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R3-4A

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	36	12	1 3/8	1/2	3/8	1 3/4	2 1/4	1 1/8	8 5/8	2	2 7/8	13 1/2	4 5/8	7 3/4	3/4	1 1/8	14 1/4	5 1/2									3.0
5	36	12	1 3/8	1/2	3/8	1 3/4	2 1/4	1 1/8	8 5/8	2	2 7/8	13 1/2	4 5/8	7 3/4	3/4	1 1/8	14 1/4	5 1/2									3.0

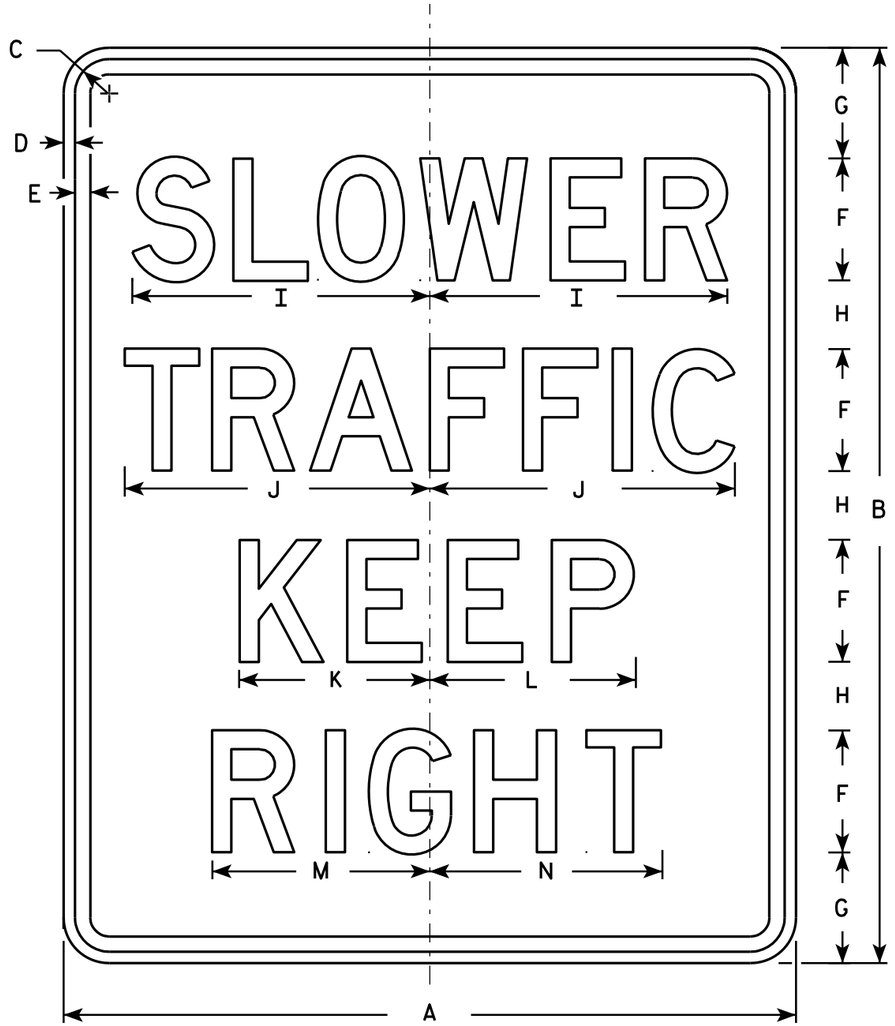
STANDARD SIGN
R3-4A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/2011 PLATE NO. R3-4A.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 396	E



R4-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
2M	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
3	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
4	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
5	48	60	2 1/4	3/4	1	8	7 1/4	4 1/2	19 1/2	20	12 1/2	13 1/2	14 1/4	15 1/4													20.0

STANDARD SIGN
R4-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-3.8

PROJECT NO:

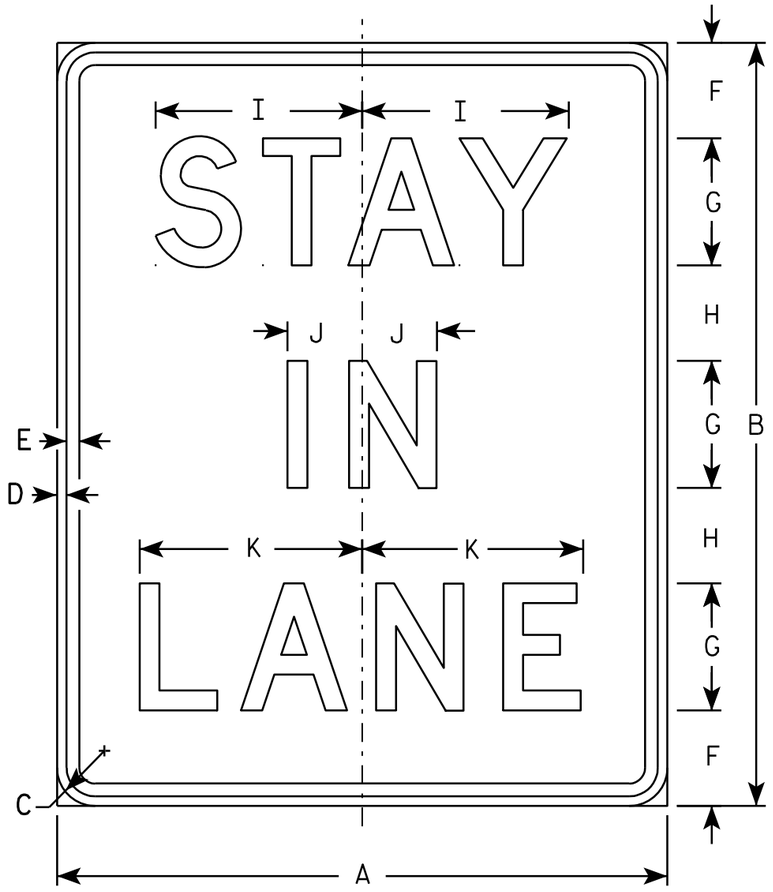
SHEET NO: 397 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R43.DGN PLOT DATE : 25-MAR-2011 13:40 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

7



R4-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	3/8	3	4	3	6 1/2	2 3/8	7																3.0
2S	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
2M	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
3	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
4	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
5	48	60	2 1/4	3/4	1	7 1/2	10	7 1/2	16 1/4	5 7/8	17 1/2																20.0

STANDARD SIGN
R4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-9.2

PROJECT NO:

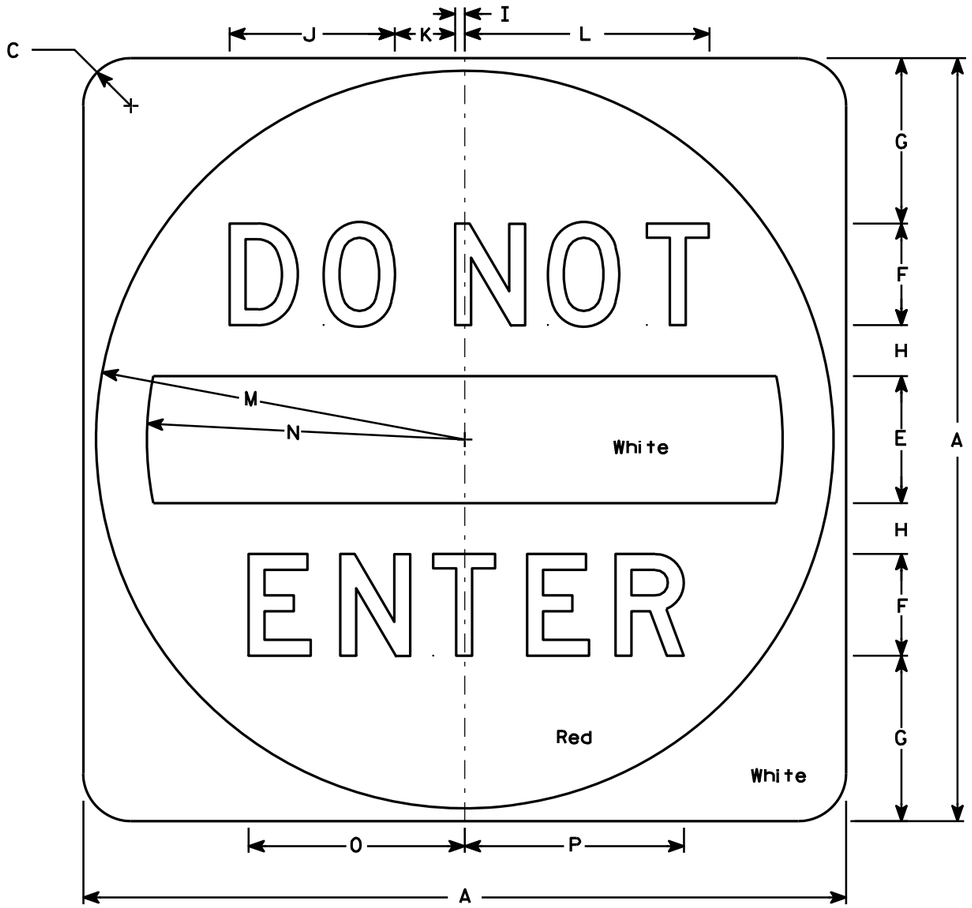
SHEET NO: 398 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R49.DGN PLOT DATE : 25-MAR-2011 14:17 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

7



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 399 | E

R8-53

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	16 3/4	8	1 3/4	15 3/4													12.0
5	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	16 3/4	8	1 3/4	15 3/4													12.0

STANDARD SIGN
R8-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2011 PLATE NO. R8-53.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 400	E

R8-54

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	16 3/4	10 1/2	1	16 1/2													12.0
5	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	16 3/4	10 1/2	1	16 1/2													12.0

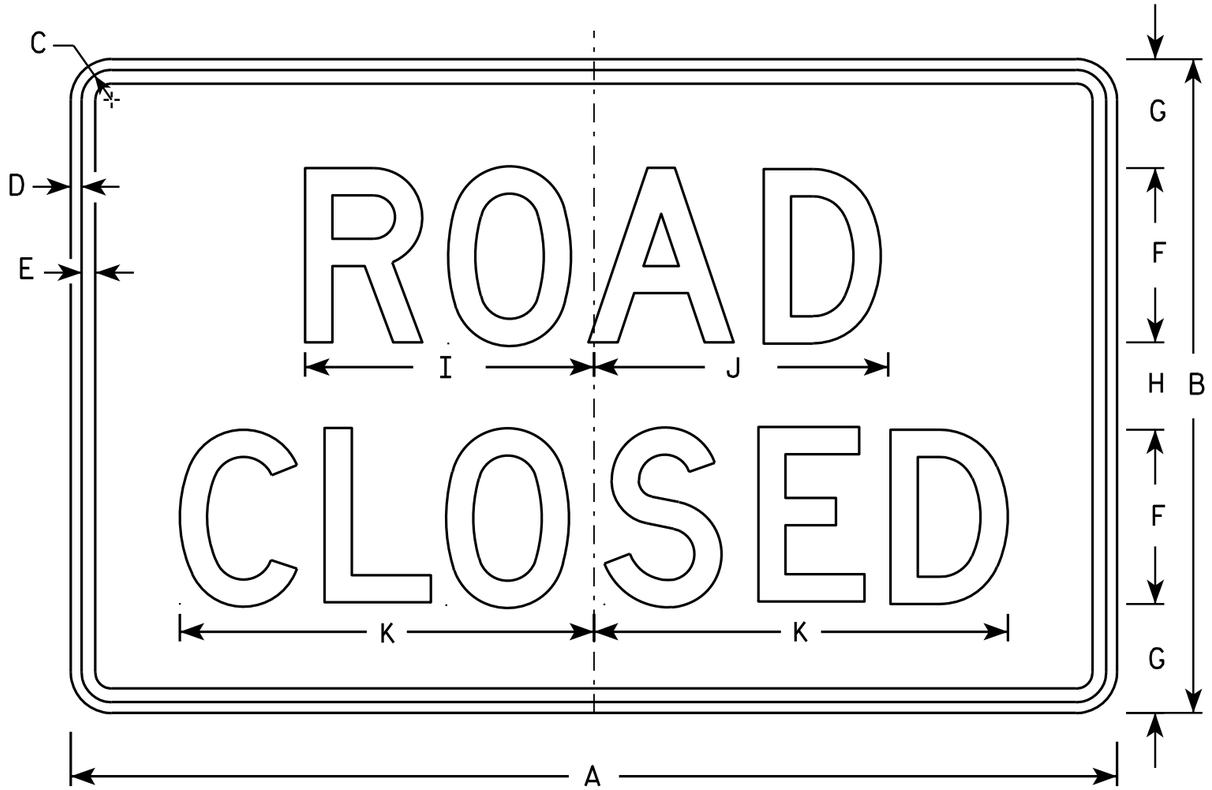
STANDARD SIGN
R8-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2011 PLATE NO. R8-54.4

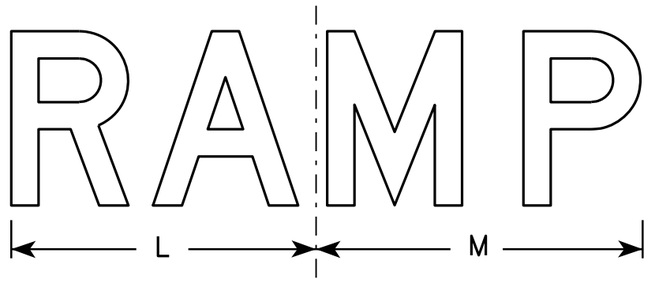
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 401	E



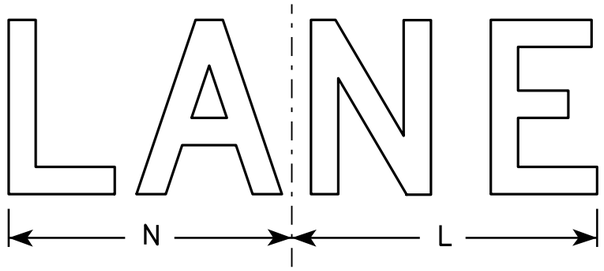
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

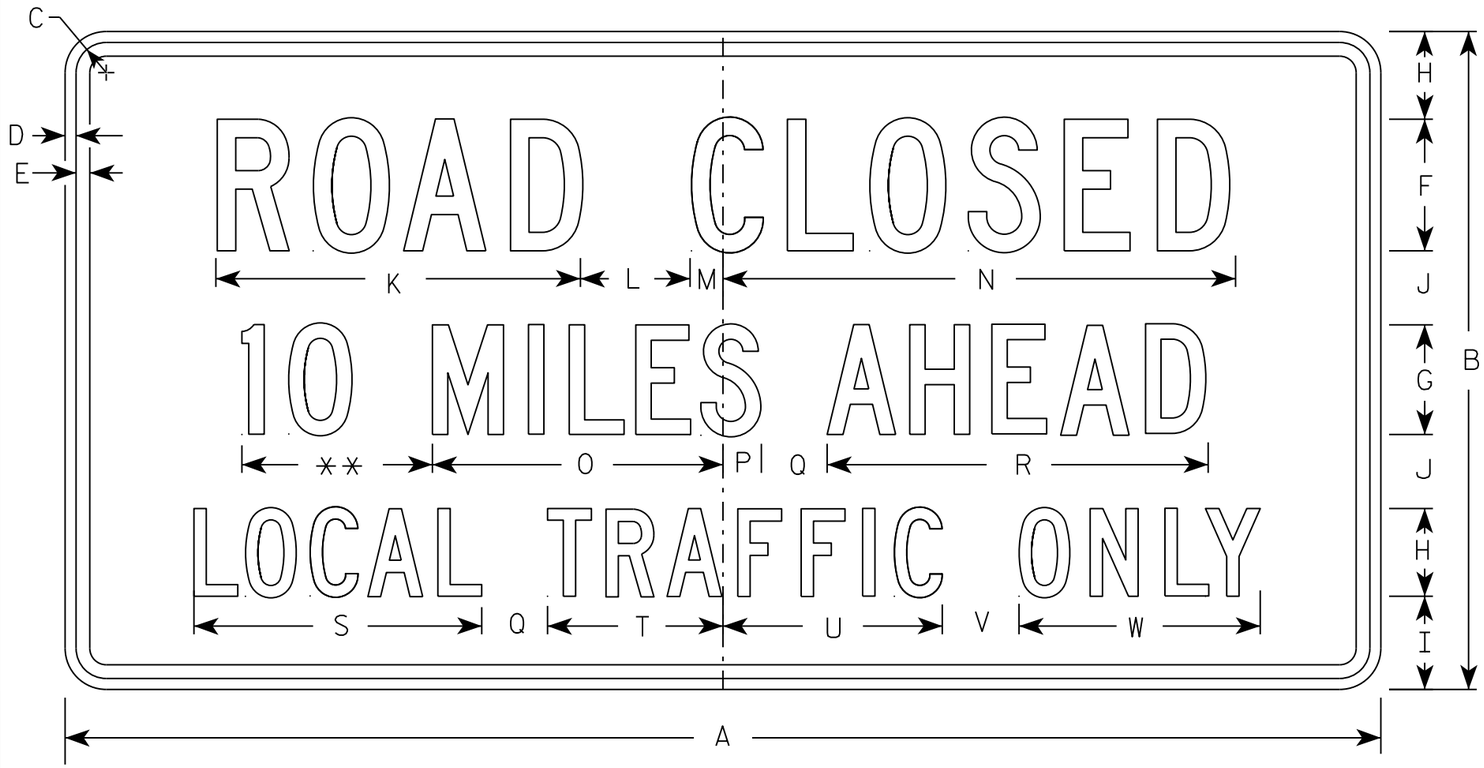
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 402	E

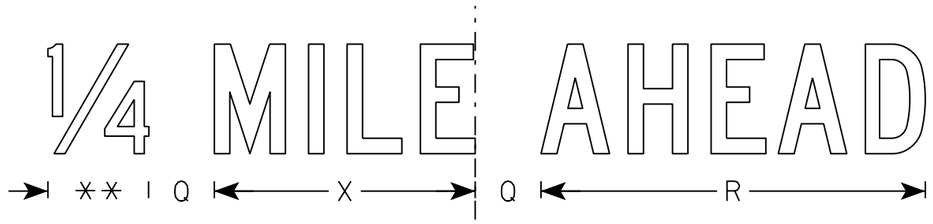
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4	7 1/8			4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
3																											
4																											
5																											

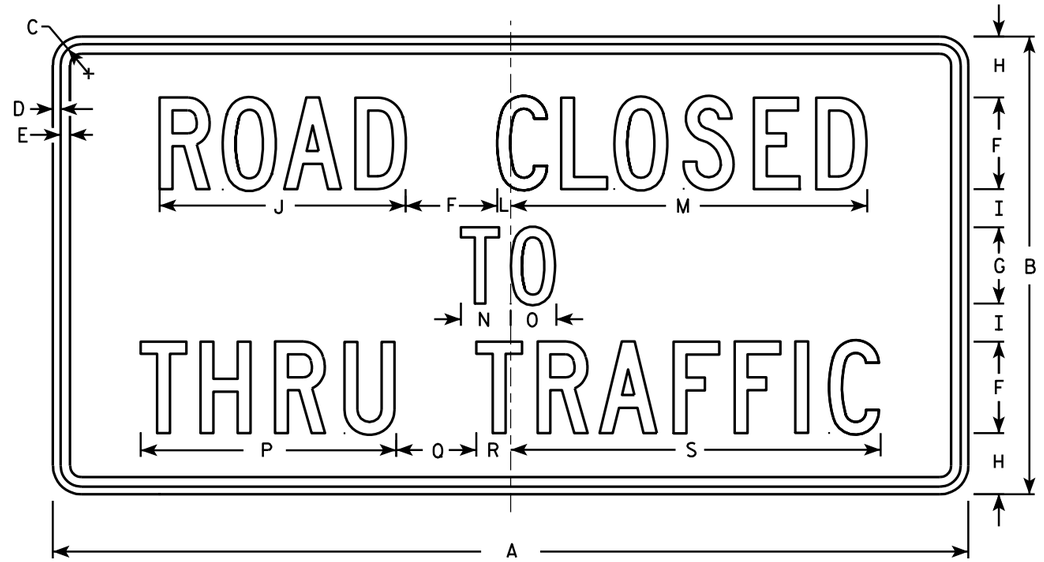
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/17 PLATE NO. R11-3.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 403	E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

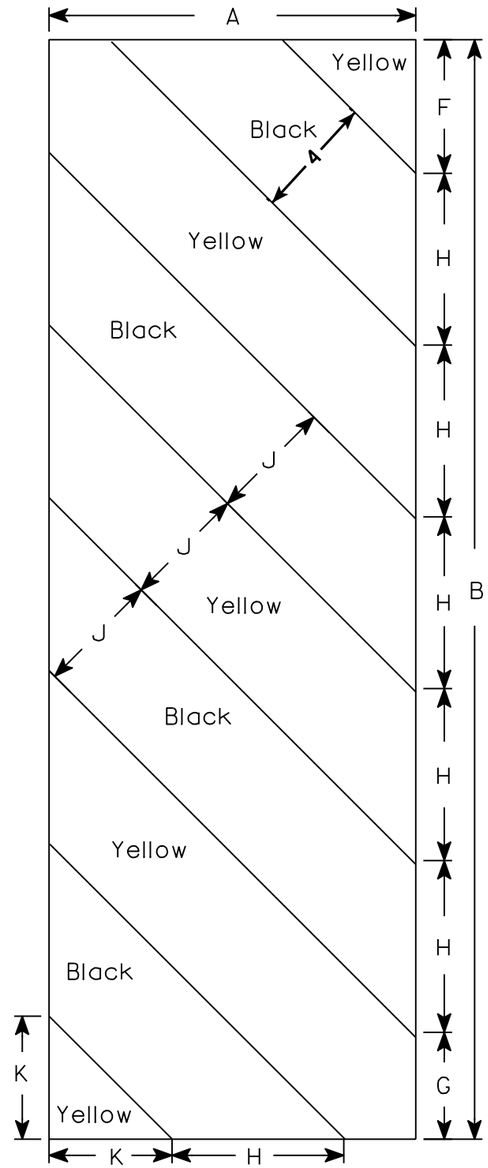
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

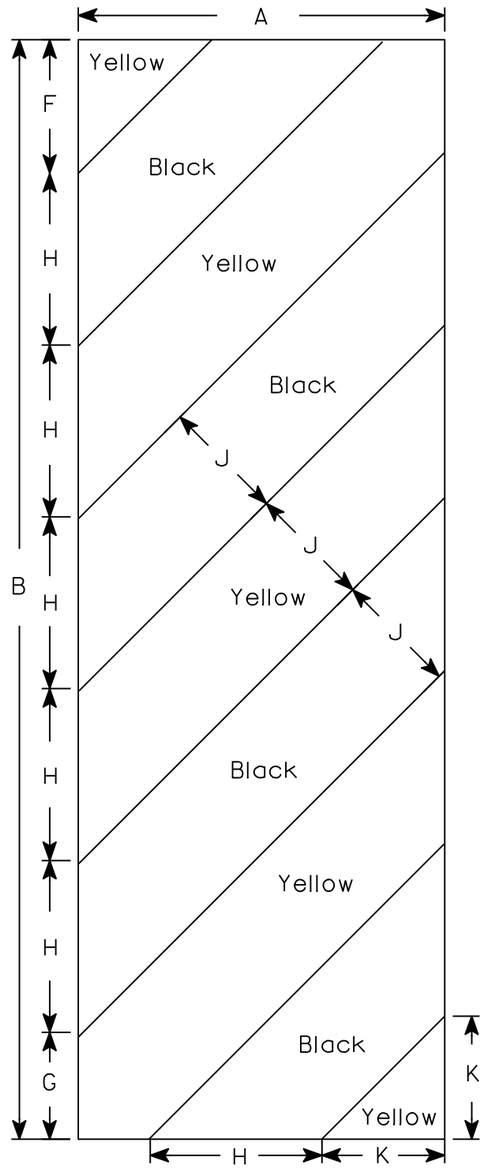
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 404 | E



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

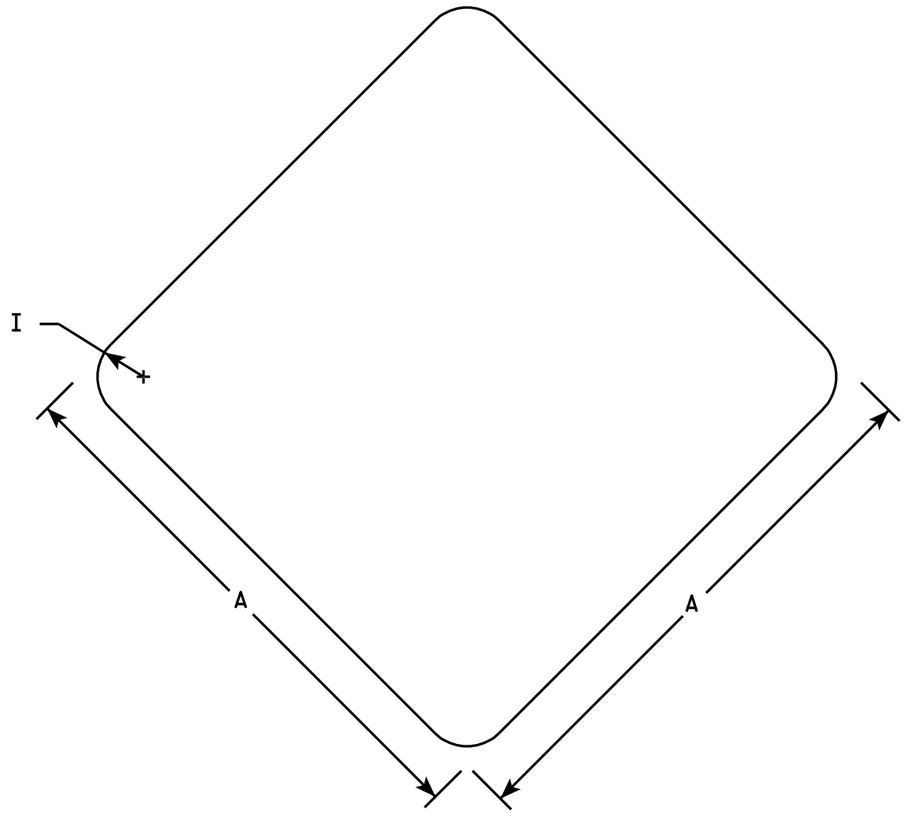
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 405	E



W5-56

NOTES

1. Sign is Type II - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

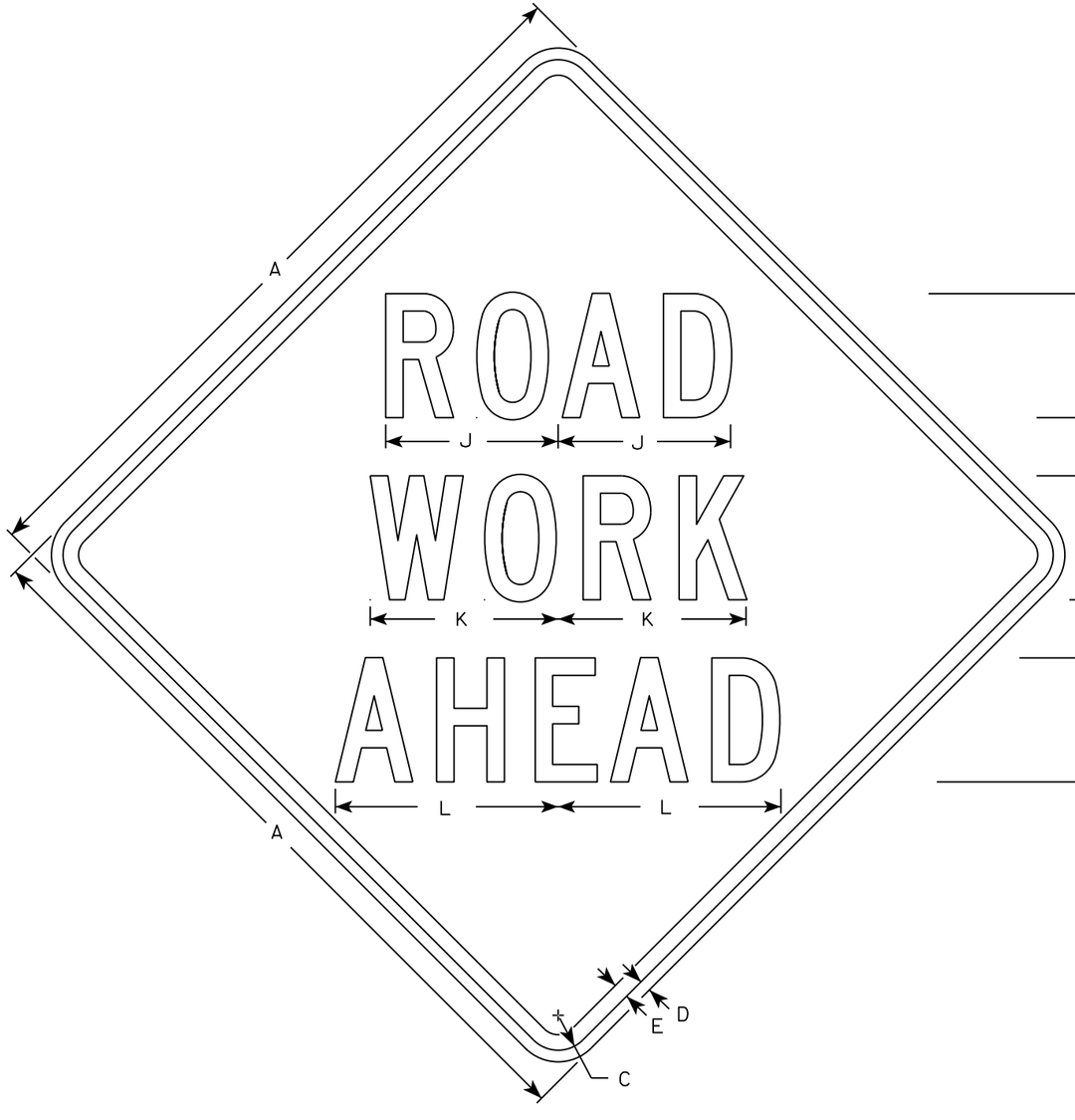
STANDARD SIGN
W5-56

WISCONSIN DEPT OF TRANSPORTATION

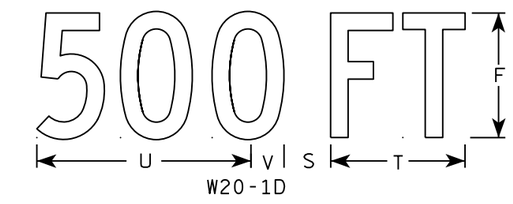
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. W5-56.6

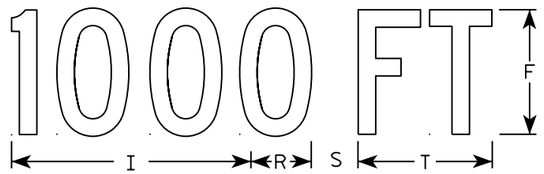
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 406	E



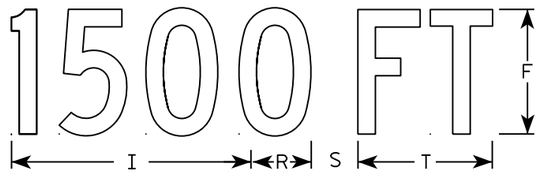
W20-1A



W20-1D

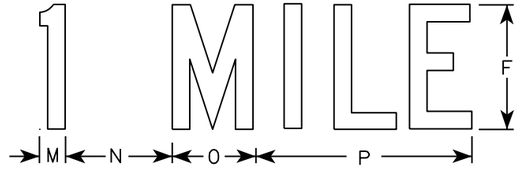


W20-1C

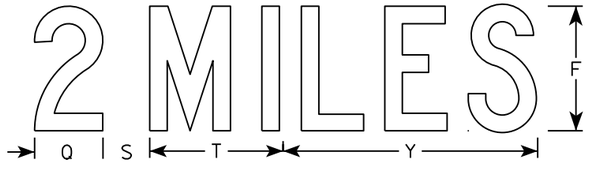


W20-1B

W20-1G



W20-1F



W20-1E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

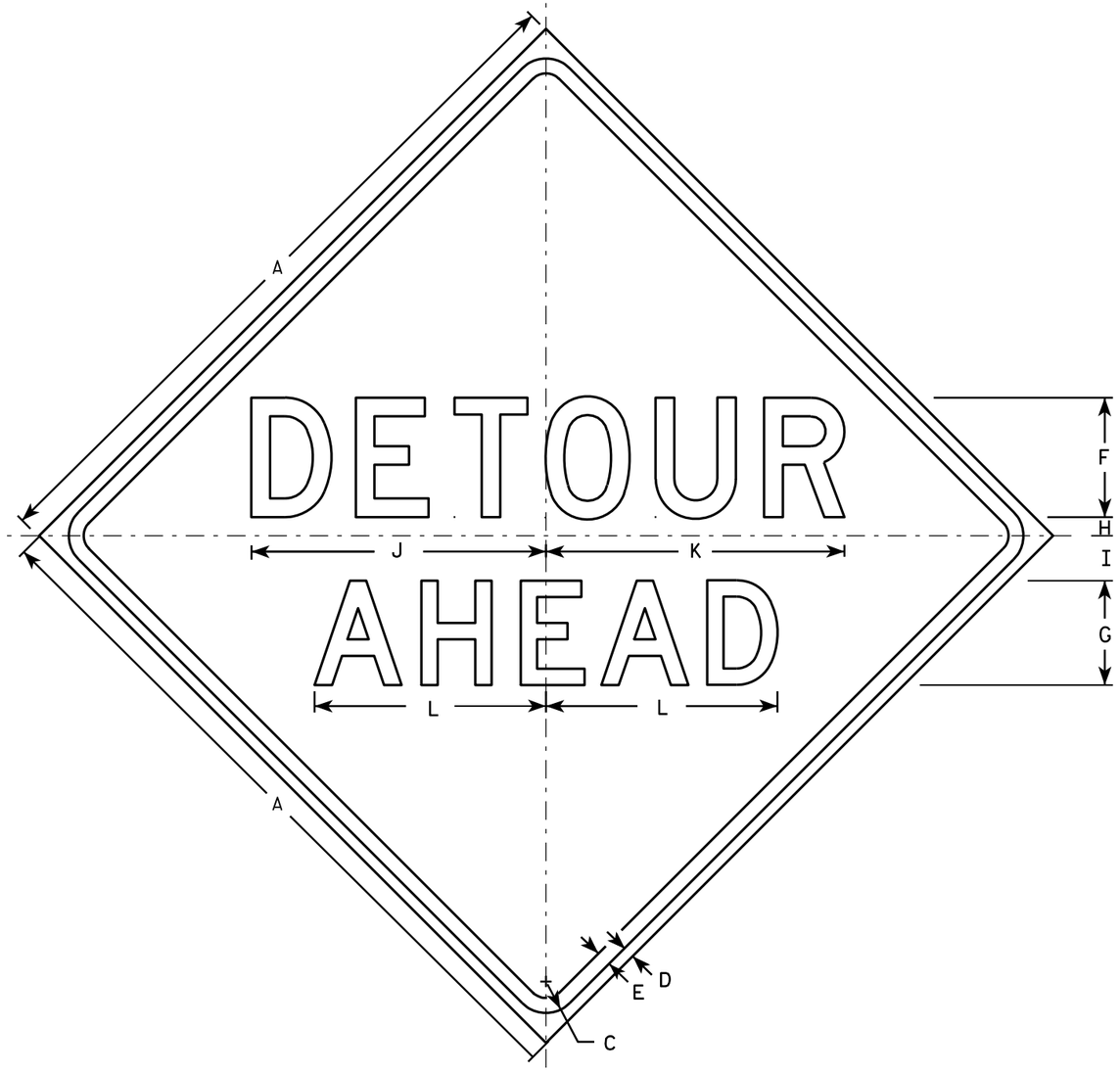
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/07/15 PLATE NO. W20-1.10

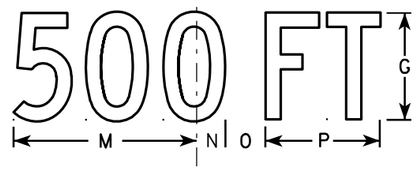
PROJECT NO:

SHEET NO: E

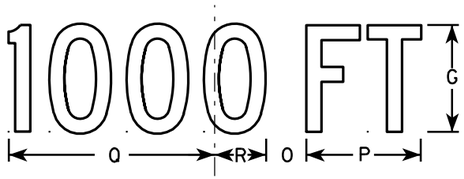
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



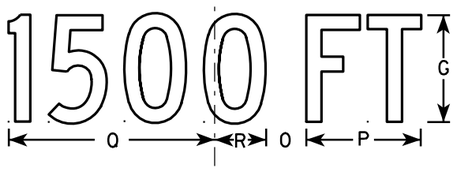
W20-2A



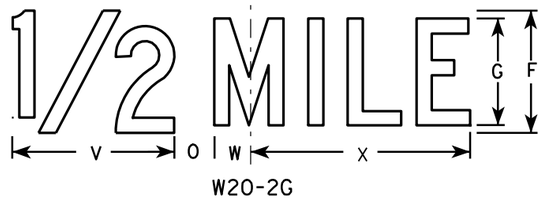
W20-2D



W20-2C



W20-2B



W20-2G

W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

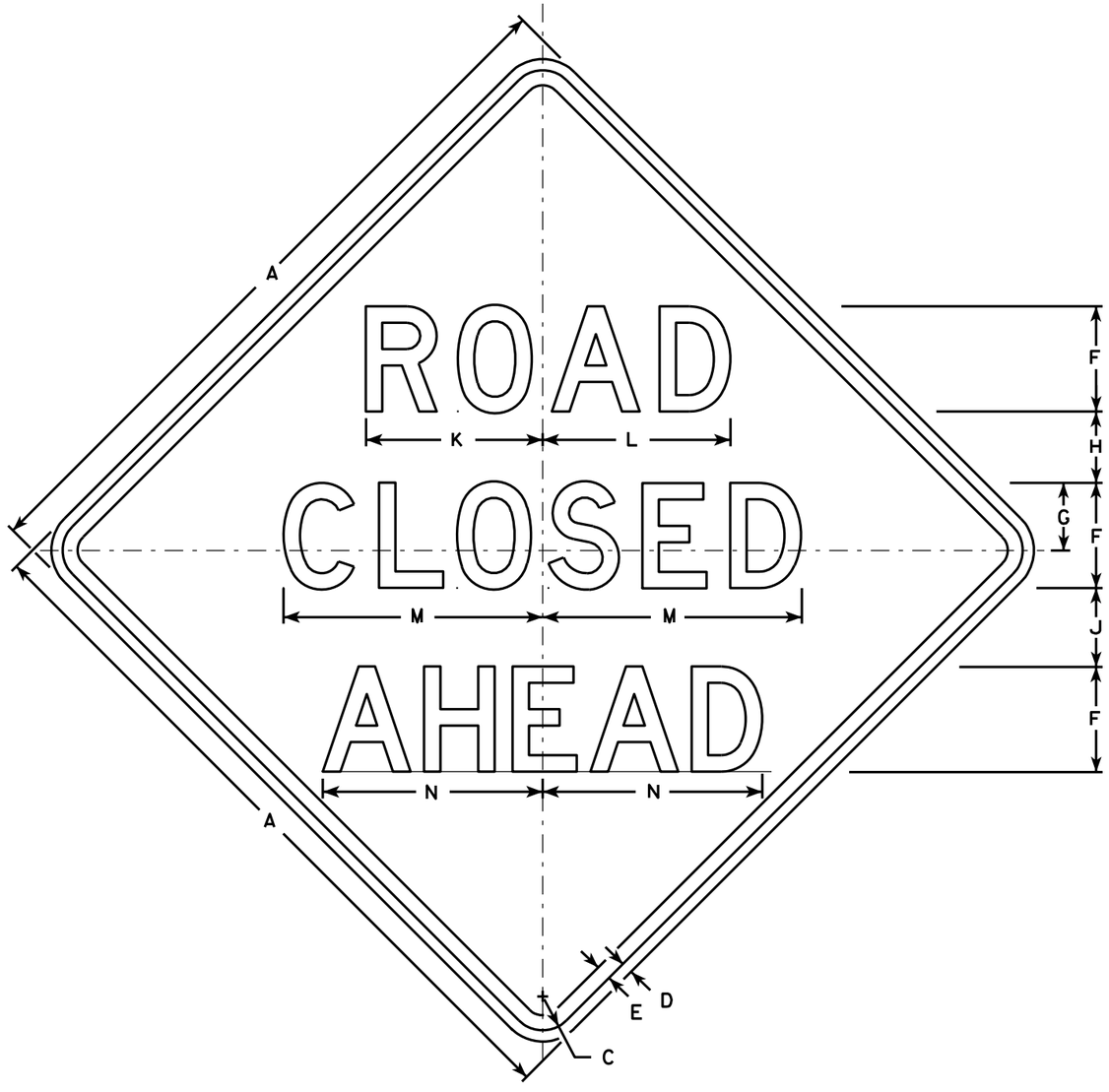
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

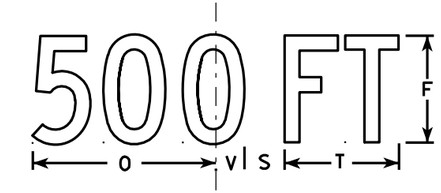
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

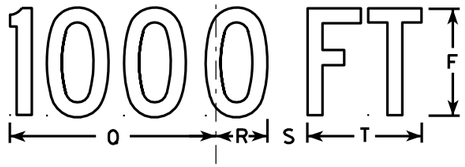
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 408	E



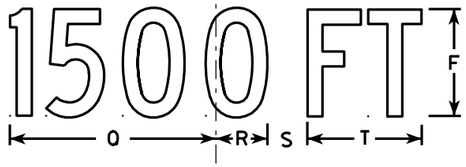
W20-3A



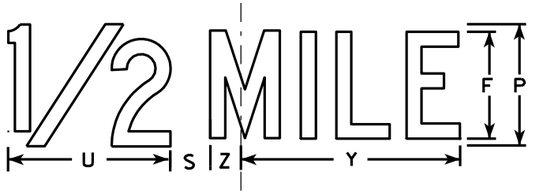
W20-3D



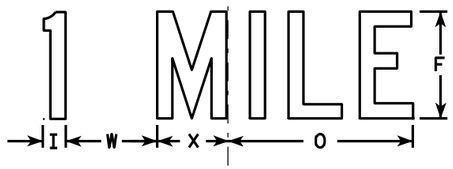
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 409 | E

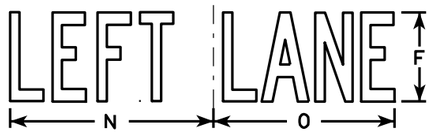
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000

WISDOT/CADDS SHEET 42

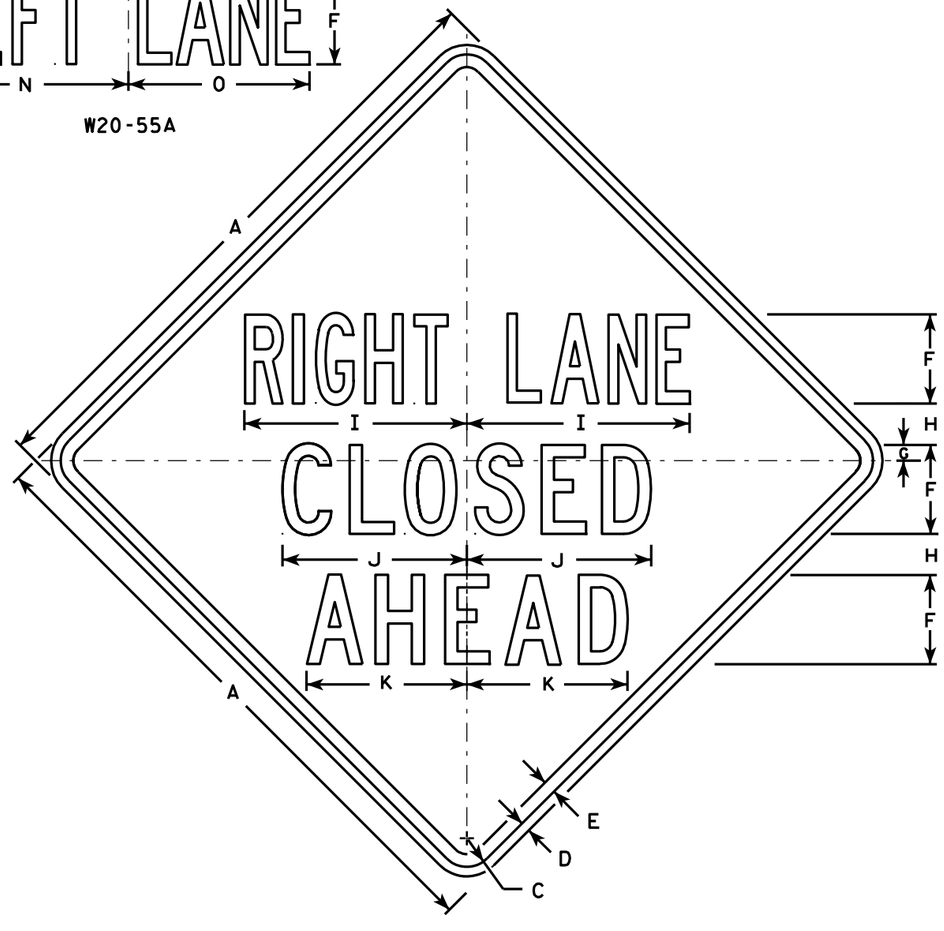
7

7

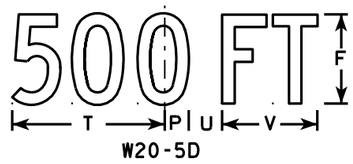
W20-56A



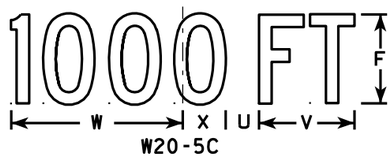
W20-55A



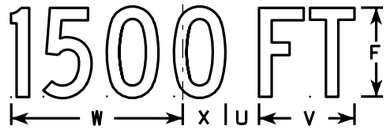
W20-5A



W20-5D



W20-5C



W20-5B

W20-5G

W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

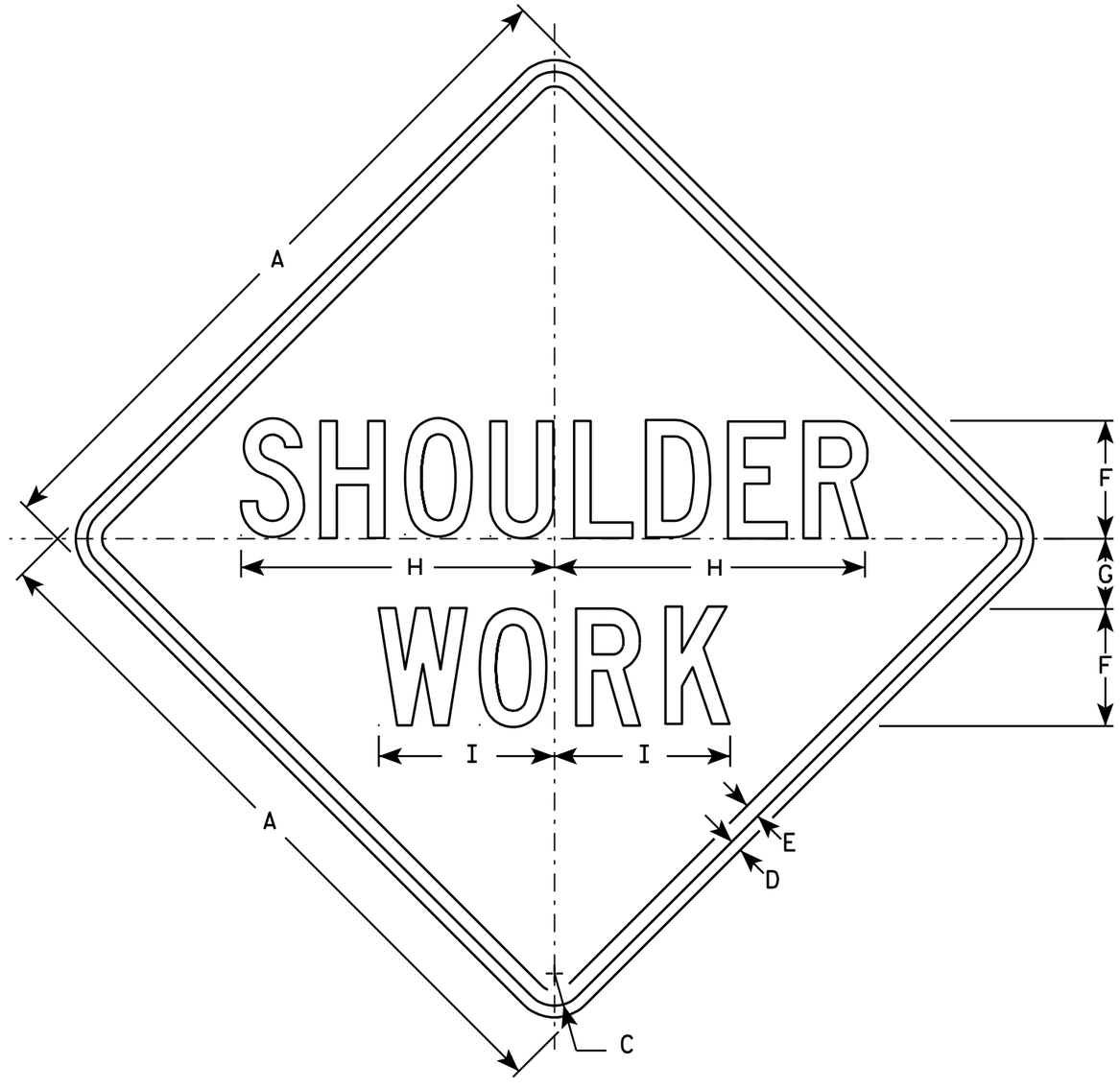
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 410	E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W21-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	4	2 1/2	10 3/4	6																		4.0
2S	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
2M	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
3	36		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
4	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0

STANDARD SIGN
W21-5

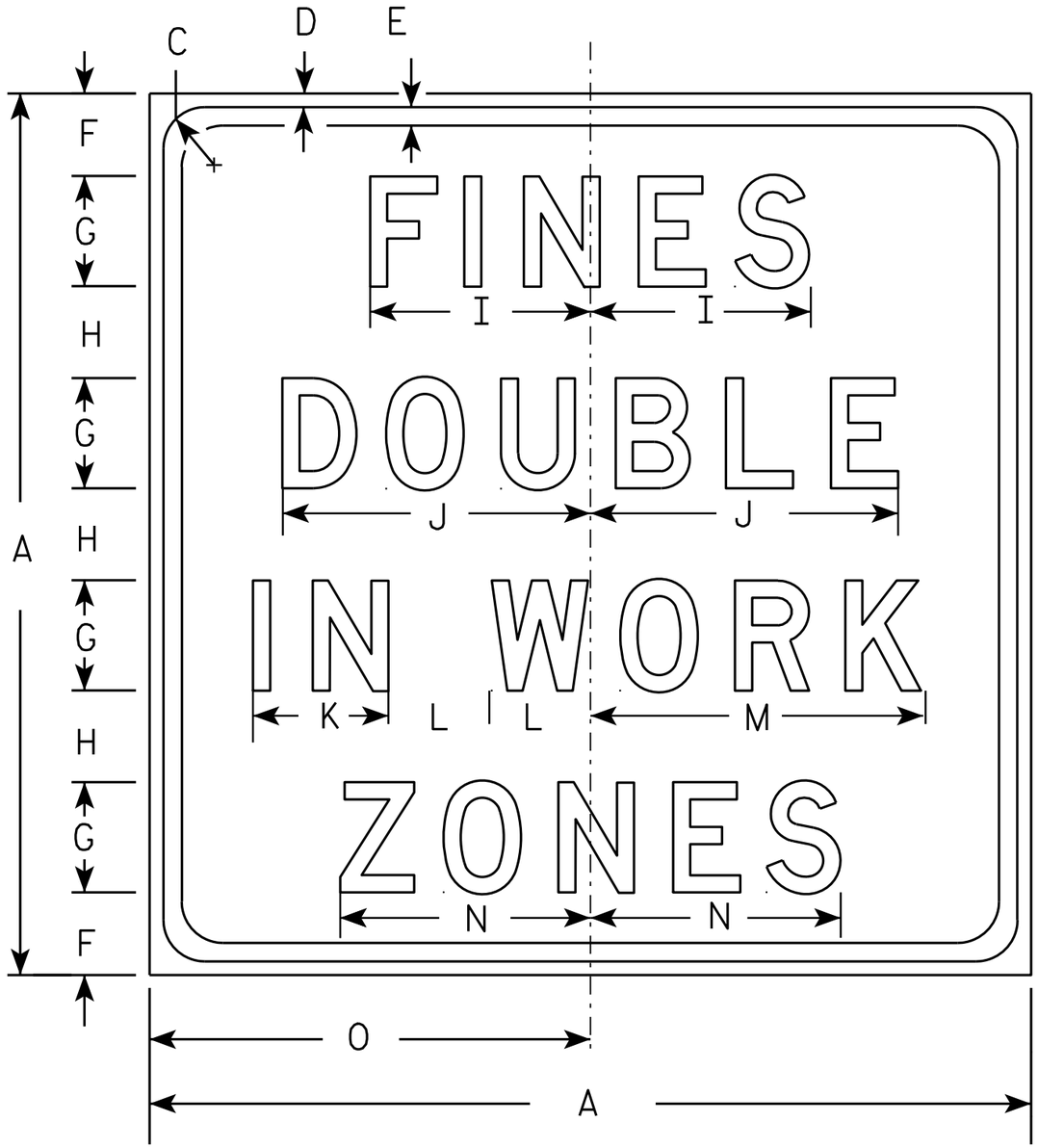
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 411 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W215.DGN PLOT DATE : 21-MAR-2011 08:01 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.207338:1.000000
WISDOT/CADDS SHEET 42



W21-61

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	2 1/4	3	2 1/2	6	8 3/8	3 3/4	2 3/4	9 1/8	6 7/8	12												4.0
2S	36		1 5/8	5/8	3/4	3 3/8	4 1/2	3 3/4	9	12 5/8	5 1/2	4 1/8	13 3/4	10 1/4	18												9.0
2M	36		1 5/8	5/8	3/4	3 3/8	4 1/2	3 3/4	9	12 5/8	5 1/2	4 1/8	13 3/4	10 1/4	18												9.0
3	48		2 1/4	3/4	1	4 1/2	6	5	12	16 3/4	7 3/8	5 1/2	18 1/4	13 5/8	24												16.0
4																											
5																											

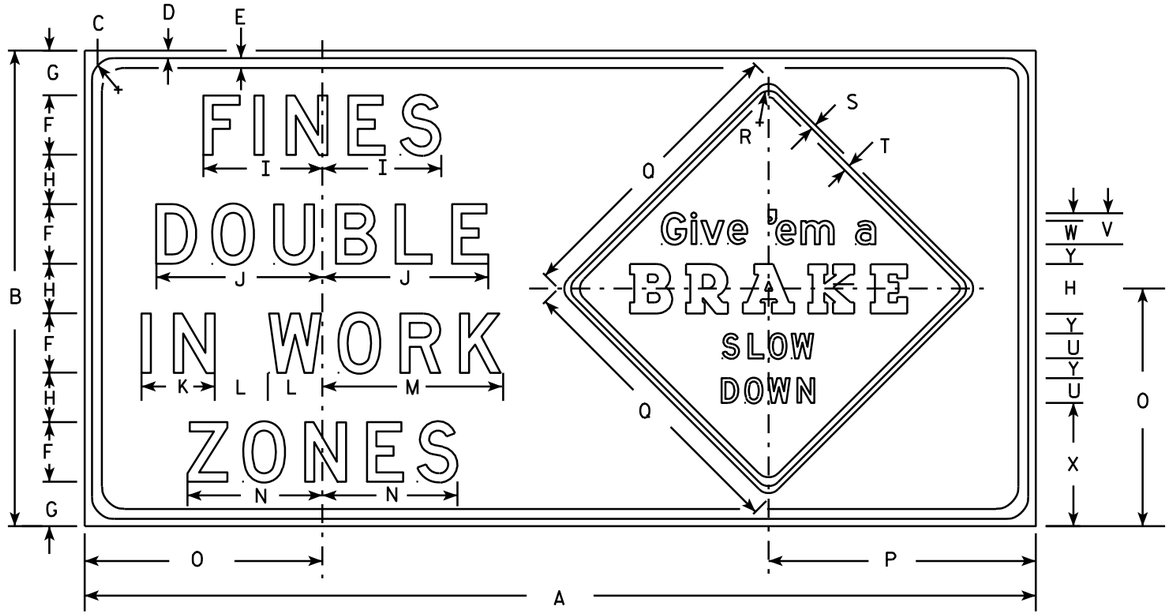
STANDARD SIGN
W21-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-61.4

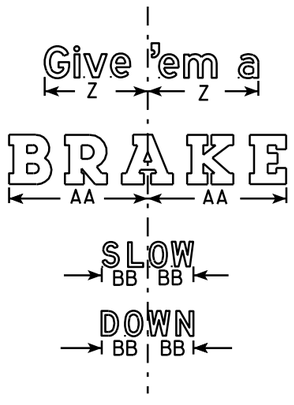
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 412 | E

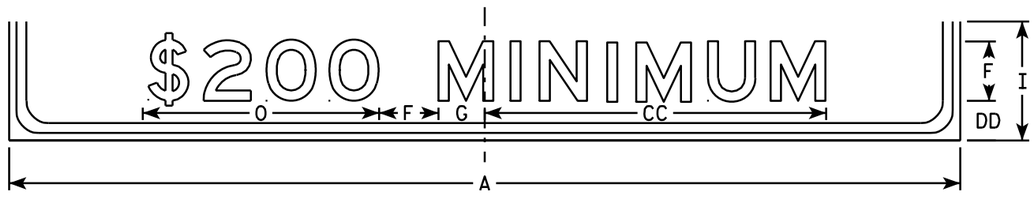


W21-62

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White - (See Note 5)
   Message - Black
3. Message Series -
   Fines Double Message - All lines are Series D
   Give 'em a Brake -
   Line one is Series E, line two is a Special Graphic Series and lines three and four are Series D.
4. The base material shall be plywood. Corners may be square or rounded, but borders shall be rounded as shown. The base material for Give 'em a Brake sign can be a seperate sheet of aluminum with the corners and borders rounded as shown. This seperate panel shall then be attached to the plywood with aluminum or stainless steel sheet metal screws.
5. Background for the Give 'em a Brake sign shall be Type F reflective orange.





W21-62P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	Area sq. ft.
1																															
2S																															
2M																															
3	96	48	2 1/4	3/4	1	6	4 1/2	5	12	16 3/4	7 3/8	5 1/2	18 1/4	13 5/8	24	27	30	1 3/8	1/2	5/8	2 1/2	3 1/8	2 3/8	12 1/2	2	10 3/4	14	4 5/8	34 1/2	4	32.0
4																															
5																															

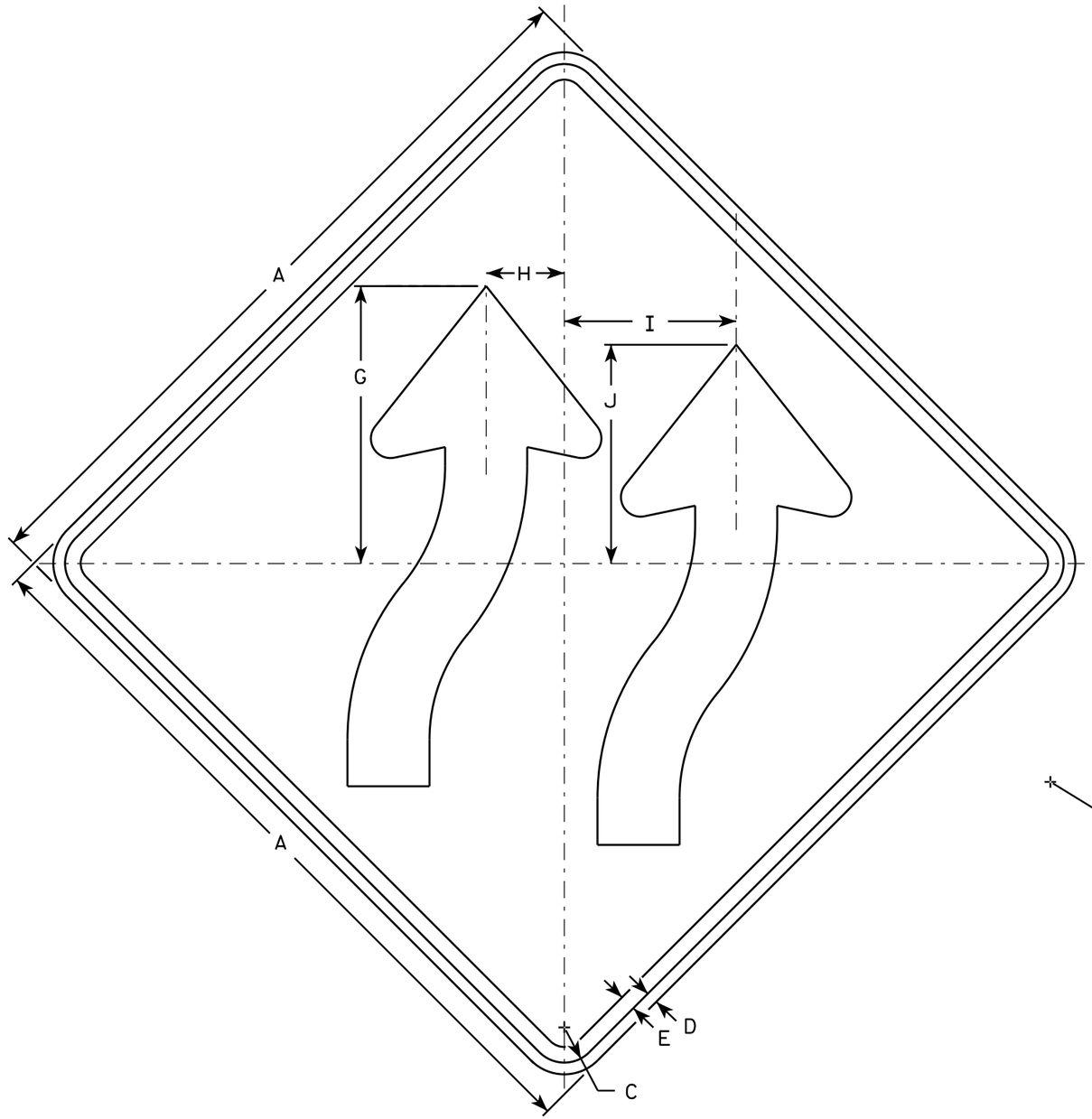
STANDARD SIGN
W21-62

WISCONSIN DEPT OF TRANSPORTATION

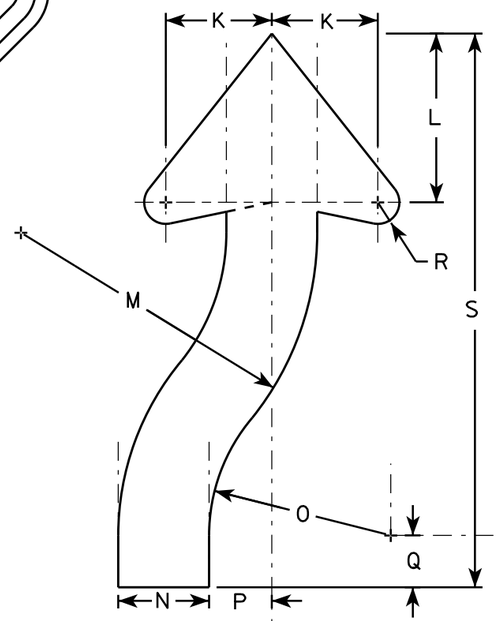
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-62.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 413	E



W01-4bR



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4bL is the same as W014-bR exept arrows are reversed along the vertical centerline

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		13 3/8	3 3/4	8 1/4	10 1/2	4 5/8	7 3/8	12 7/8	3 7/8	7 7/8	2 3/4	2 1/4	7/8	24								9.0
2S	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
2M	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
3	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
4	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
5	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0

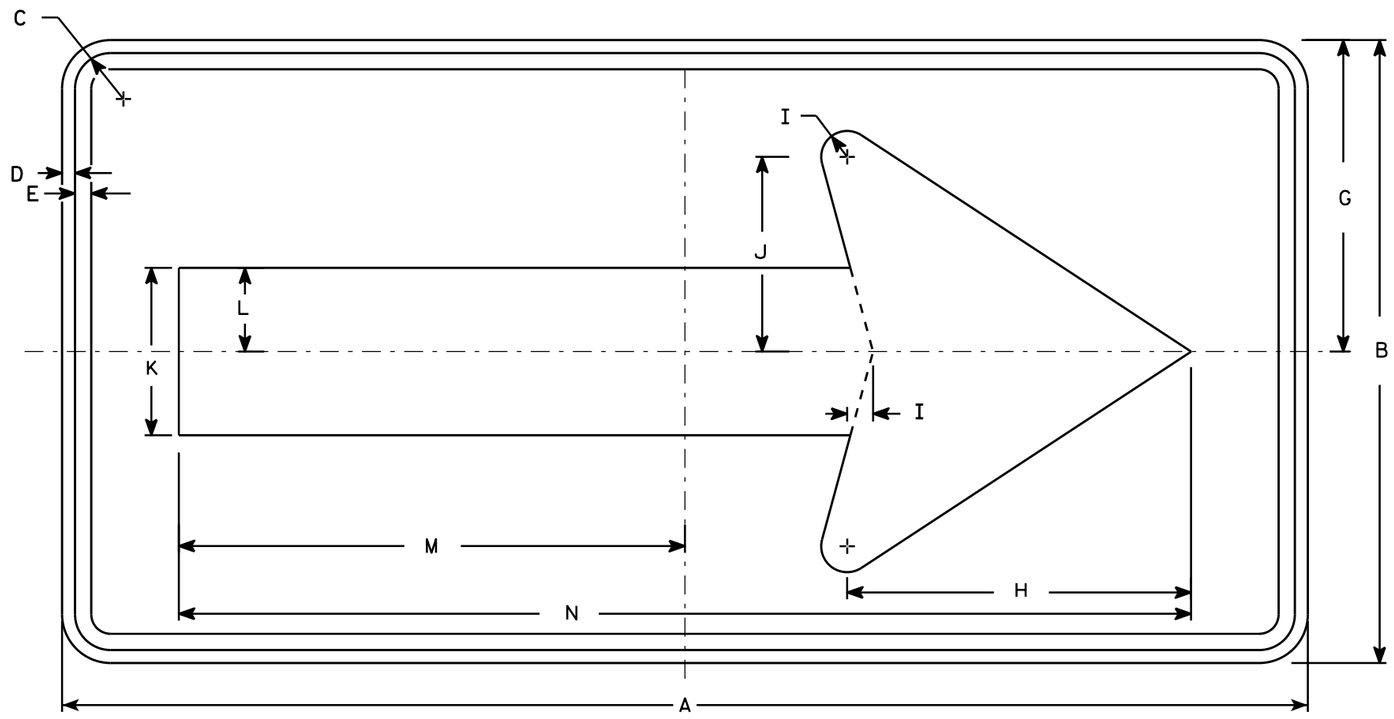
STANDARD SIGN
W01-4b

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-4b.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

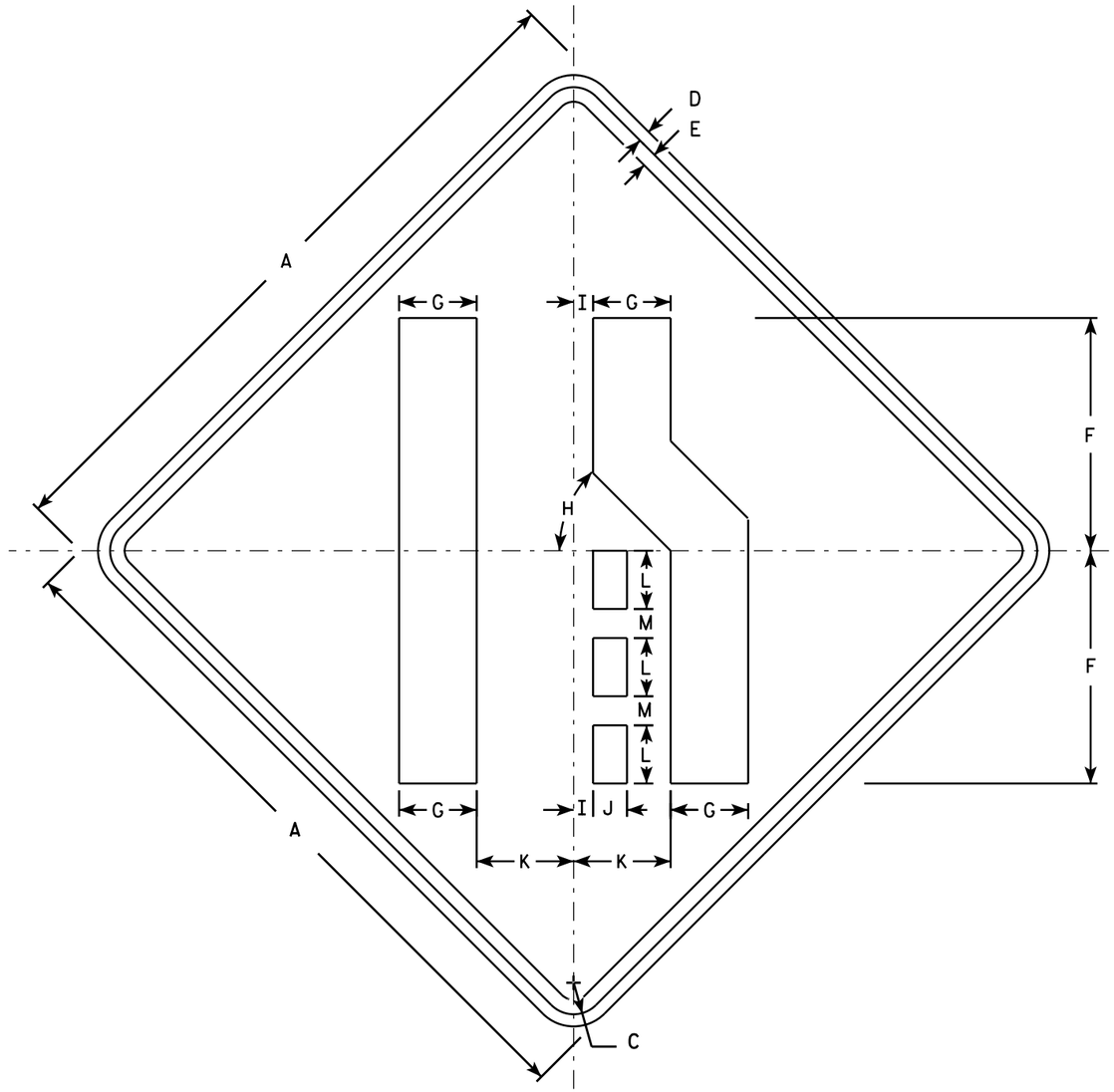
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE W01-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

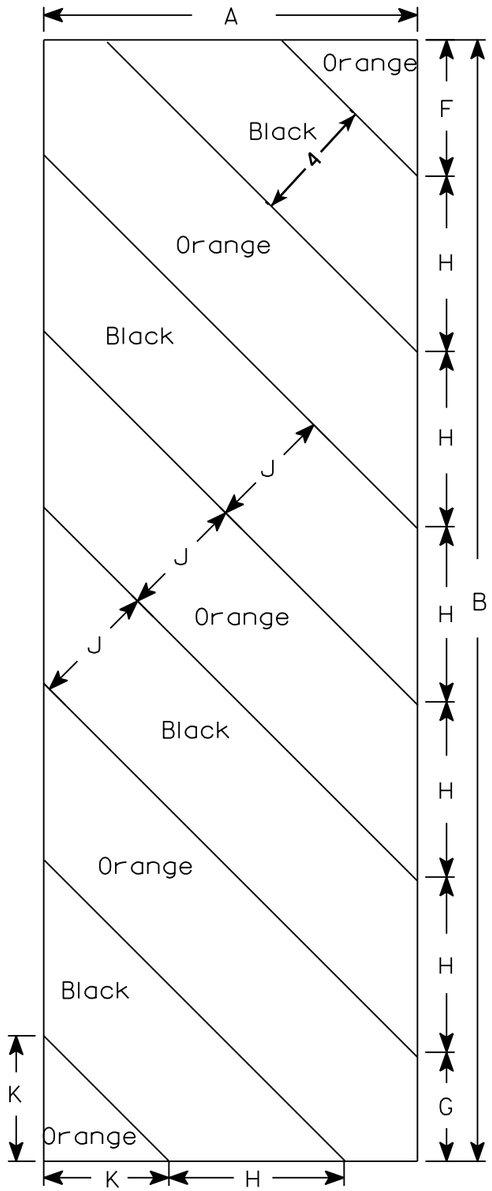
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

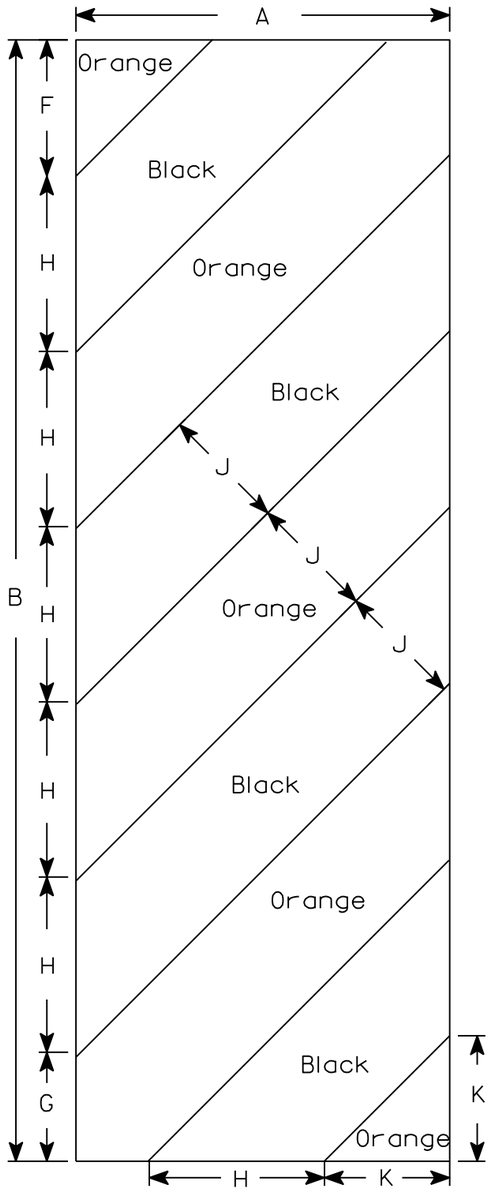
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 416 W04-2.1

PROJECT NO: | SHEET NO: E



W05-52L



W05-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

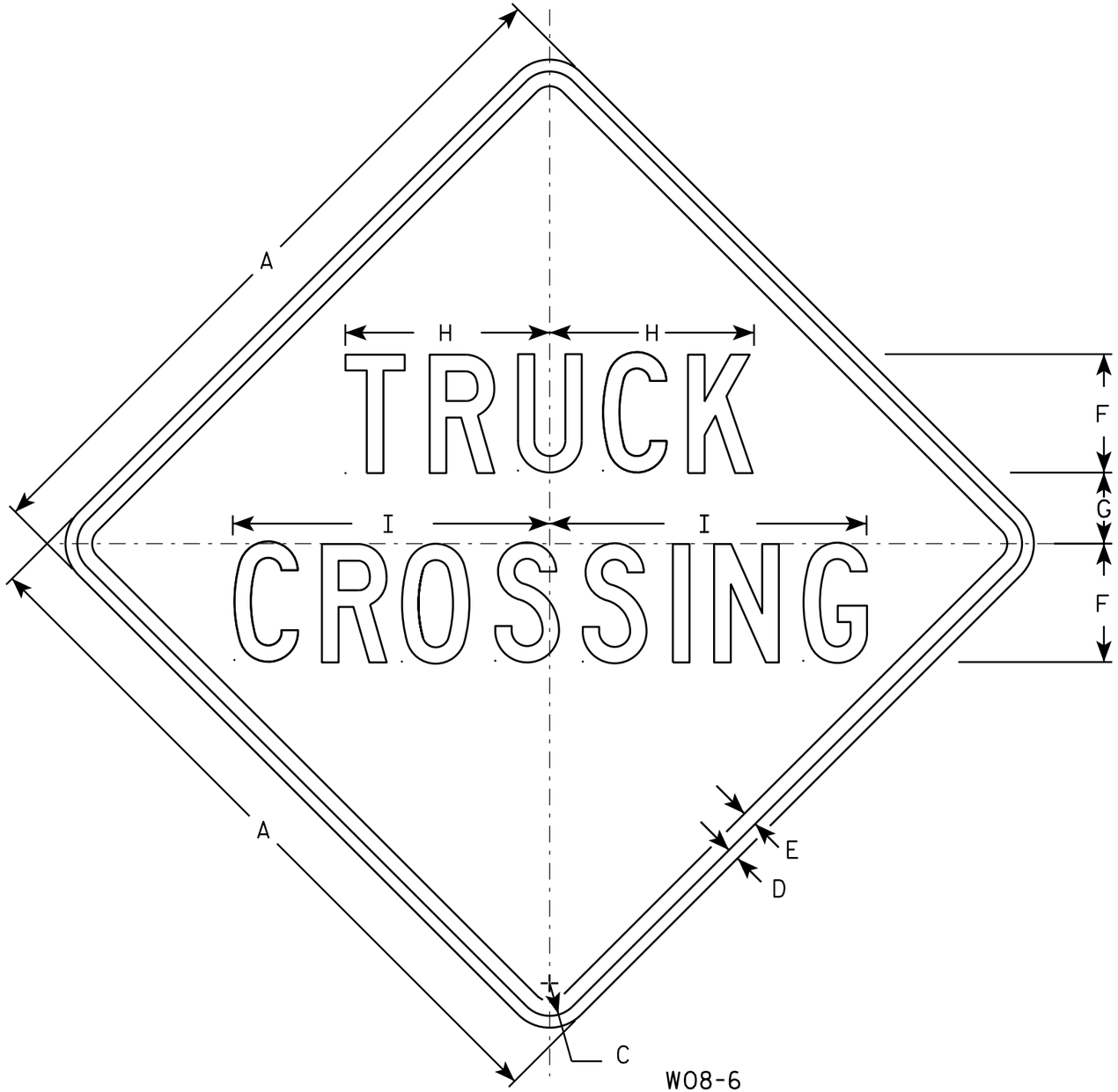
W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE No. W05-52.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W08-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3 1/2	10 3/8	16																		9.0
2S	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0
2M	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0
3	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0
4	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0

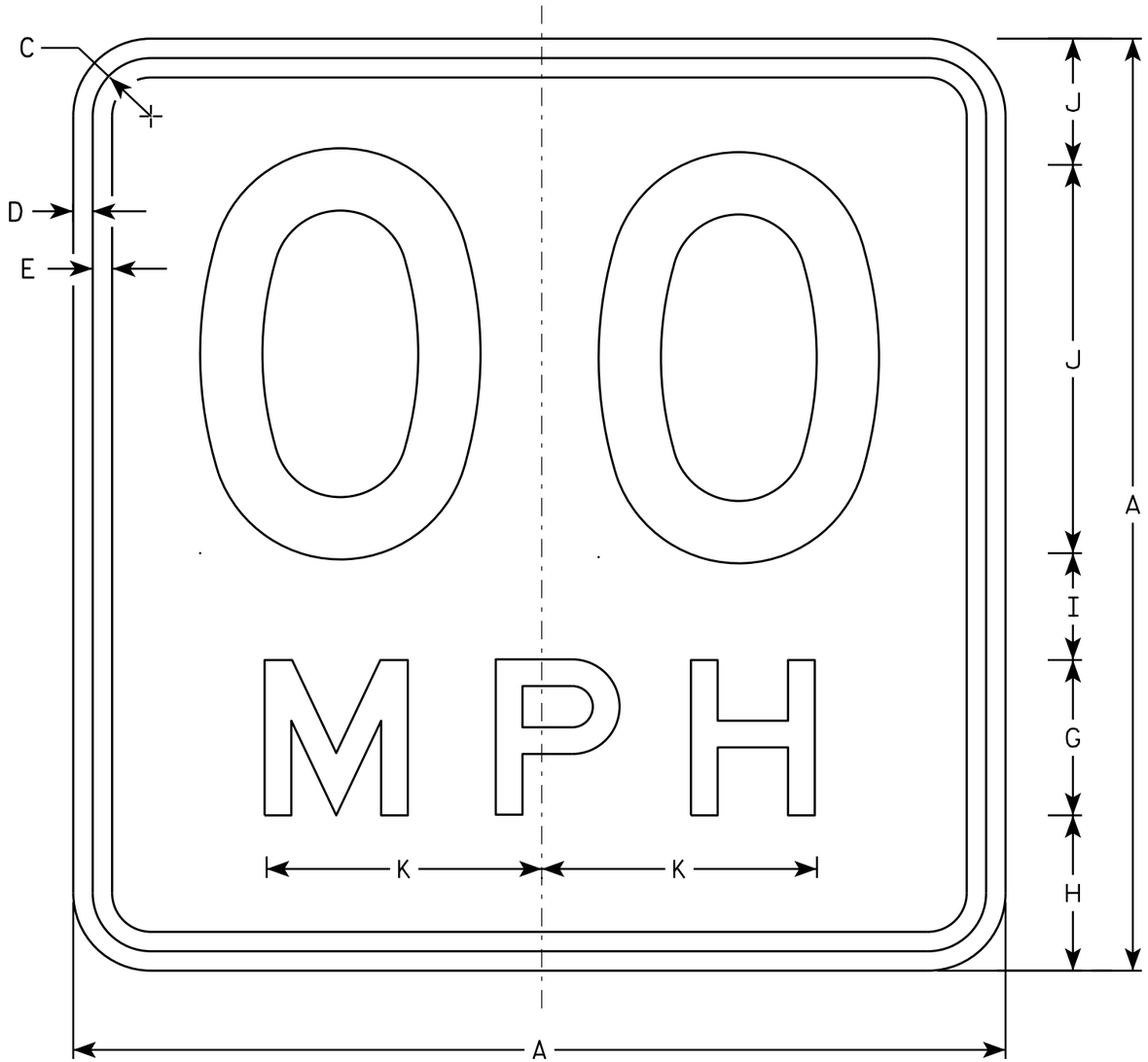
STANDARD SIGN
W08-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 418 "W08-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W013-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
3	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

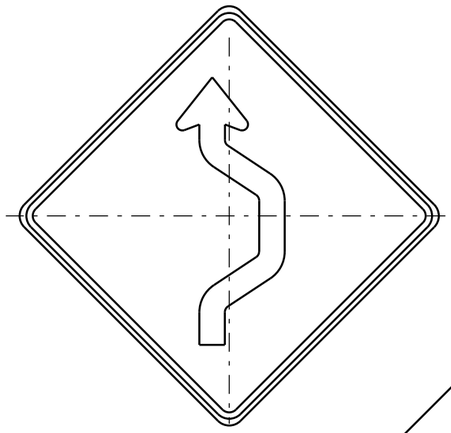
STANDARD SIGN
W013-1

WISCONSIN DEPT OF TRANSPORTATION

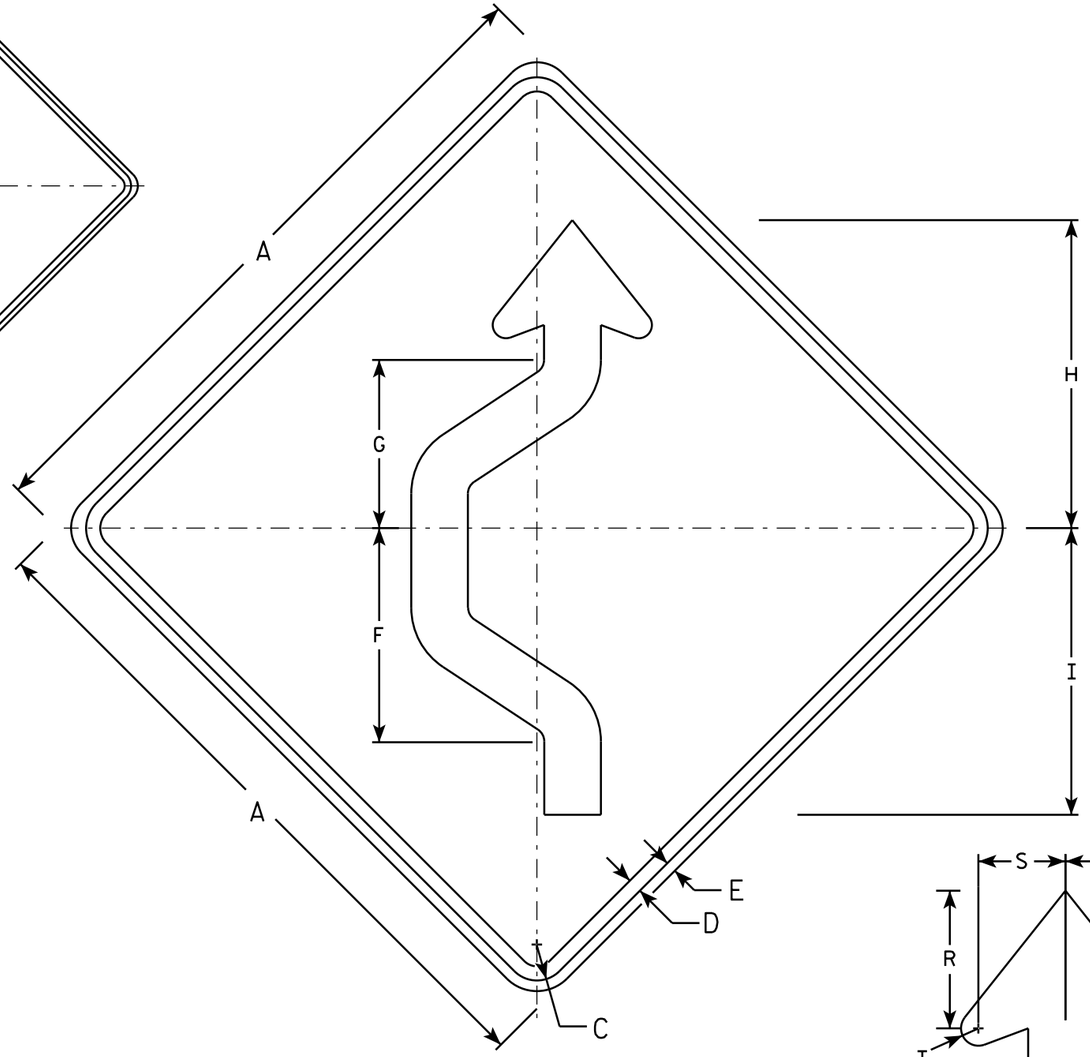
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/13 PLATE 419 W013-1.1

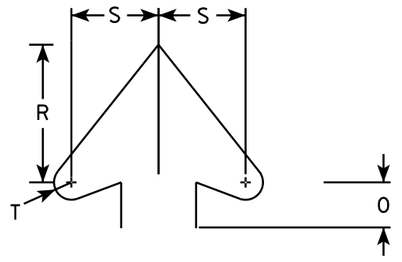
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W024-1R



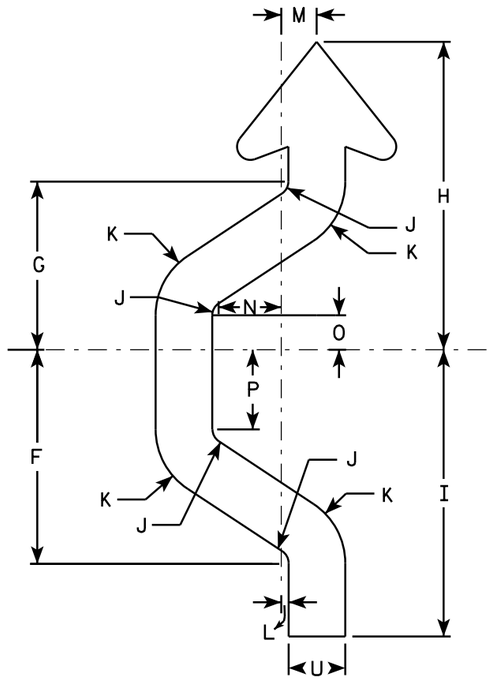
W024-1L



Arrowhead Detail

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W024-1R is the same as W024-1L except reversed along the vertical centerline.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	5/8	1/2	11 3/8	8 7/8	16 3/8	15 1/4	3/4	3 3/4	3/8	2	3 3/8	1 7/8	4 1/4		5 1/2	3 1/2	5/8	3						9
2S	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
2M	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
3	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
4	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
5	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16

STANDARD SIGN
W024-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

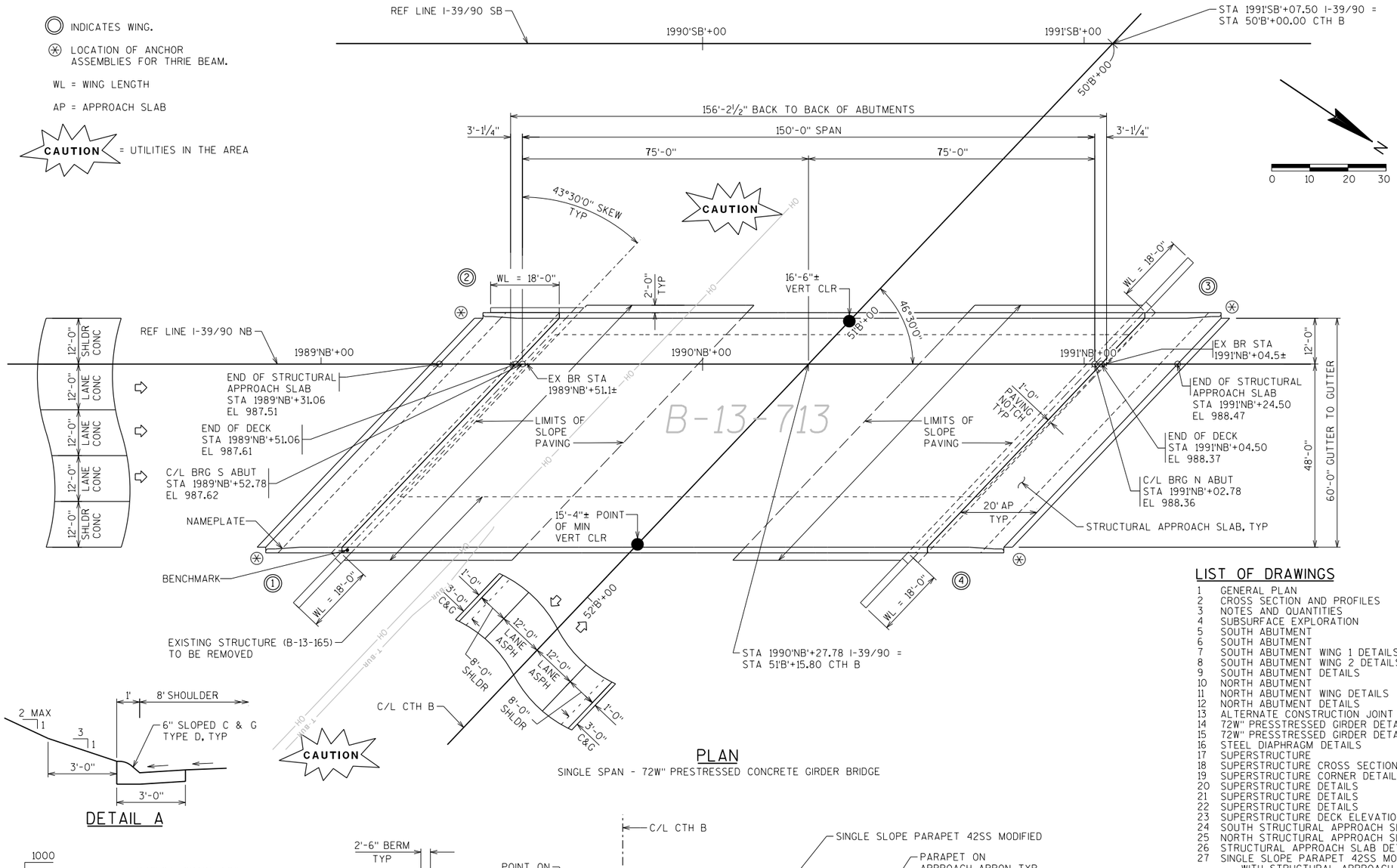
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/25/2013 PLATE NO. W024-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W0241.DGN PLOT DATE : 25-SEP-2013 13:08 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 10.702132:1.000000 WISDOT/CADDS SHEET 42

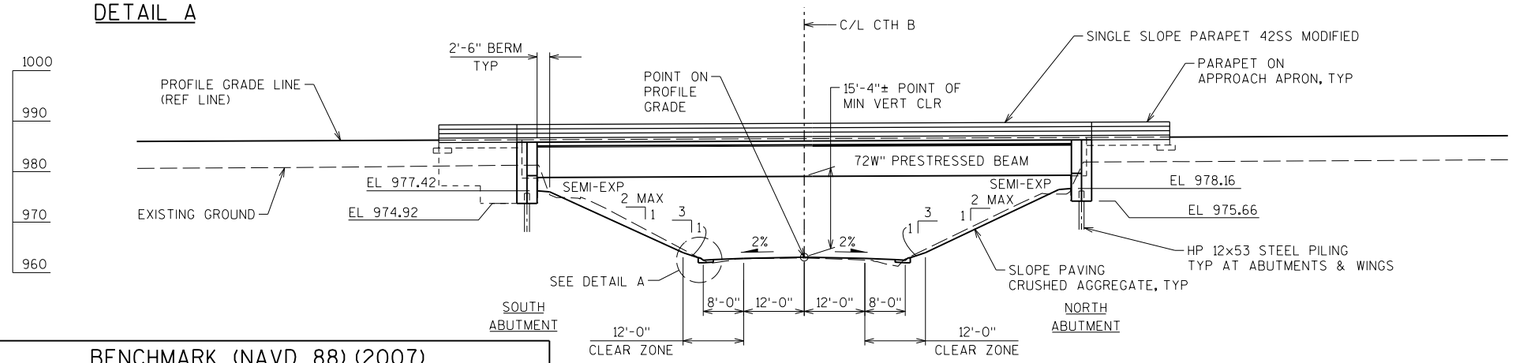
STATE PROJECT NUMBER
1007-11-71



PLAN

SINGLE SPAN - 72W" PRESTRESSED CONCRETE GIRDER BRIDGE

DETAIL A



ELEVATION

(NORMAL TO C/L CTH B)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.33
OPERATING RATING FACTOR: RF = 2.18
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 PSF

MATERIAL PROPERTIES:

CONCRETE MASONRY - SUPERSTRUCTURE (HPC) f'c = 4,000 psi
- ALL OTHER (INCLUDING APPROACH SLAB FOOTING) f'c = 3,500 psi
HIGH STRENGTH BAR STEEL REINFORCEMENT
AASHTO GRADE 60 fy = 60,000 psi

72W" PRESTRESSED GIRDER
CONCTETE MASONRY f'c = 8,000 psi
STRANDS, 0.6" DIA ULTIMATE TENSILE STRENGTH fy = 270,000 psi

STEEL DIAPHRAGMS fy = 36,000 psi

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 12X53 STEEL PILING WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS* PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC EQUATION. ESTIMATED 60 FEET LONG AT THE SOUTH ABUTMENT AND 50 FEET LONG AT THE NORTH ABUTMENT.

*THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES FORMULA TO DETERMINE DRIVEN PILE CAPACITY.

IF THE CENTER OF A PROPOSED PILE IS WITHIN 2'-6" FROM CENTER OF AN EXISTING PILE, THE EXISTING PILE CAN BE REMOVED OR THE PROPOSED PILE SPACING CAN BE ADJUSTED, WITH THE PRIOR APPROVAL FROM THE ENGINEER. THE COST OF REMOVING EXISTING PILES AND ADJUSTING THE SPACING IS INCIDENTAL TO REMOVING OLD STRUCTURE STATION 1990'NB'+27.78.

LIST OF DRAWINGS

1 GENERAL PLAN
2 CROSS SECTION AND PROFILES
3 NOTES AND QUANTITIES
4 SUBSURFACE EXPLORATION
5 SOUTH ABUTMENT
6 SOUTH ABUTMENT
7 SOUTH ABUTMENT WING 1 DETAILS
8 SOUTH ABUTMENT WING 2 DETAILS
9 SOUTH ABUTMENT DETAILS
10 NORTH ABUTMENT
11 NORTH ABUTMENT WING DETAILS
12 NORTH ABUTMENT DETAILS
13 ALTERNATE CONSTRUCTION JOINT
14 72W" PRESSTRESSED GIRDER DETAILS
15 72W" PRESSTRESSED GIRDER DETAILS 2
16 STEEL DIAPHRAGM DETAILS
17 SUPERSTRUCTURE
18 SUPERSTRUCTURE CROSS SECTION
19 SUPERSTRUCTURE CORNER DETAILS
20 SUPERSTRUCTURE DETAILS
21 SUPERSTRUCTURE DETAILS
22 SUPERSTRUCTURE DETAILS
23 SUPERSTRUCTURE DECK ELEVATION TABLE
24 SOUTH STRUCTURAL APPROACH SLAB
25 NORTH STRUCTURAL APPROACH SLAB
26 STRUCTURAL APPROACH SLAB DETAILS
27 SINGLE SLOPE PARAPET 42SS MODIFIED WITH STRUCTURAL APPROACH SLAB
28 SINGLE SLOPE PARAPET 42SS MODIFIED WITH STRUCTURAL APPROACH SLAB
29 CONDUIT DETAILS
30 AESTHETIC DETAILS
31 SLOPE PAVING (CRUSHED AGGREGATE)

TRAFFIC DATA

I-39/90 NB		CTH B	
ADT (2020)	= 56650	ADT (2009)	= 470
ADT (2040)	= 70300	ADT (2040)	= 736
DHV (2040)	= 7452	DHV	=
D	= 58/42	D	=
T	= 29.1%	T	=
DESIGN SPEED	= 70 MPH	DESIGN SPEED	= 60 MPH

BENCHMARK (NAVD 88) (2007)

NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
CP623C	1987+35.80	362.56', RT	CAPPED REBAR	978.55
BM652C	1989+24.29	35.79', RT	BRIDGE DISK B-13-165	985.22
CP605C	1999+90.59	108.81', RT	SET REBAR	1004.67

NO.	DATE	REVISION	BY

SEH
SHORT ELLIOTT HENDRICKSON INC.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 08/09/17
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-713

i-39/90 NB OVER CTH B

COUNTY	TOWN ~~CITY / VILLAGE~~
DANE	CHRISTIANA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
NCK	JCT	DLF	CJB/NCK

GENERAL PLAN

SHEET 1 OF 31
421

WISCONSIN PROFESSIONAL ENGINEER
NATHAN C. KLOPP
E-39850
ST PAUL
MN

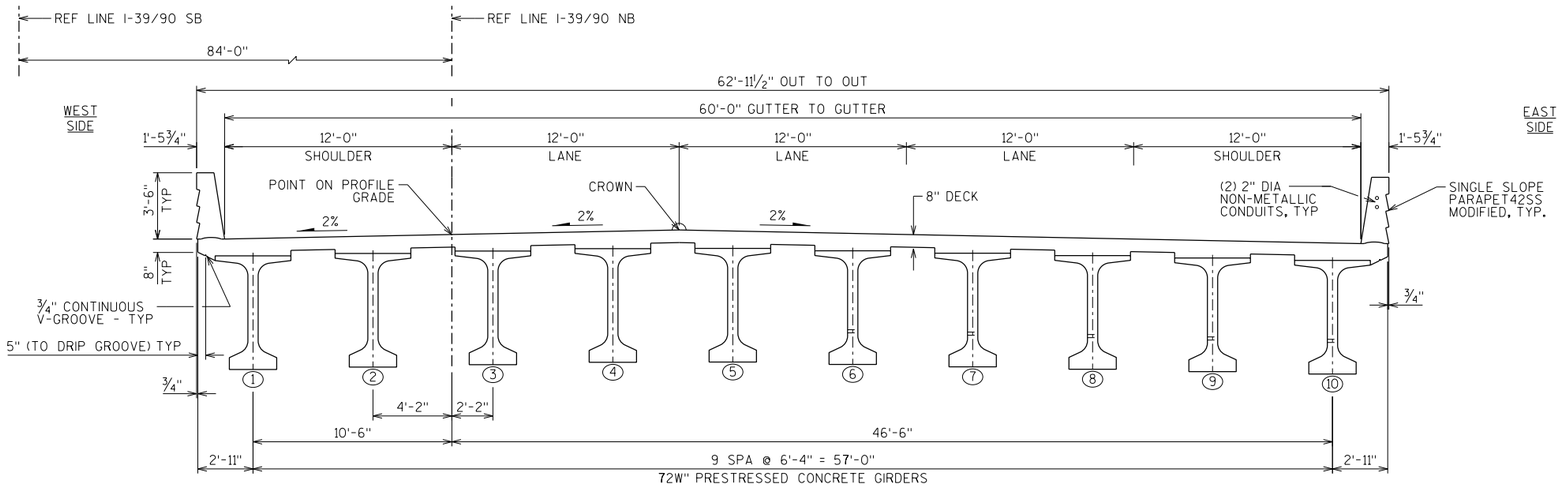
7/19/2017

SEH CONTACT: CHRIS BLUM, PE, 608.620.6192
WISDOT BRIDGE OFFICE CONTACT: BILL DREHER, PE, 608.266.8489

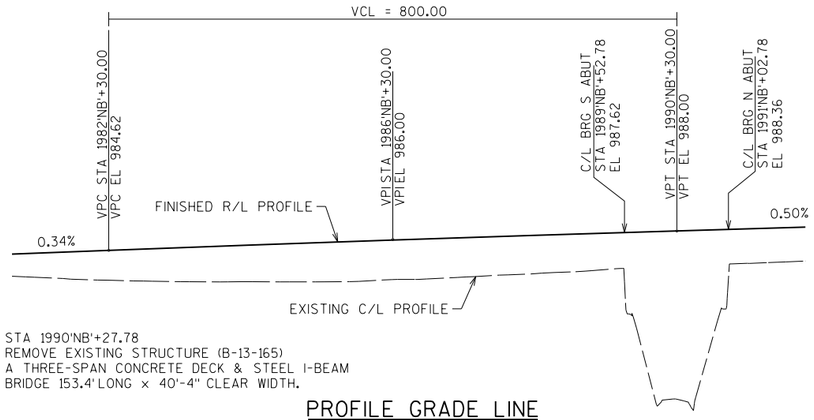
PLOT TIME: 7:03:33 AM
PLOT DATE: 7/19/2017
FILE NAME : S:\AE\D\Done\I25226\S-final-dgn\S1-drawings\20-Struct\BRIDGE\b-13-713-dgn\b13713gl.dgn

8

8

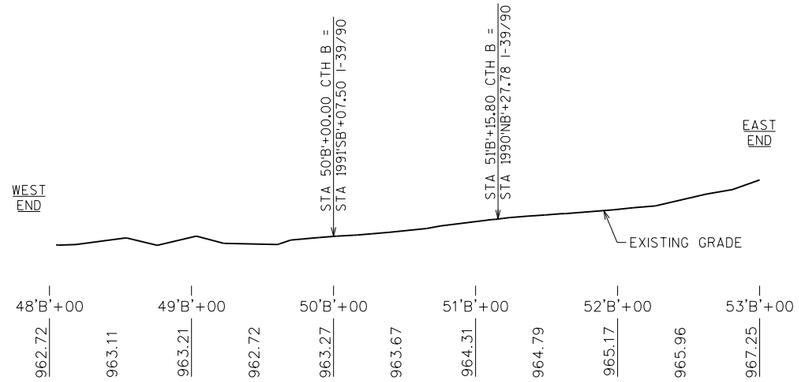


CROSS SECTION THRU BRIDGE
(LOOKING NORTH)



STA 1990'NB'+27.78
REMOVE EXISTING STRUCTURE (B-13-165)
A THREE-SPAN CONCRETE DECK & STEEL I-BEAM
BRIDGE 153.4' LONG x 40'-4" CLEAR WIDTH.

PROFILE GRADE LINE
(I-39/90 NB)



PROFILE GRADE LINE
(CTH B)

STATE PROJECT NUMBER

1007-11-71

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

CROSS SECTION AND PROFILES

SHEET 2 OF 31

422

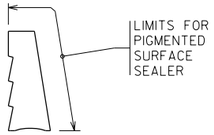
8

8

PLOT TIME: 7:03:34 AM

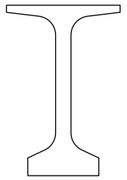
PLOT DATE: 7/19/2017

FILE NAME : S:\AE\D\Done\25226\S-final-dgn\Si-drawings\20-Struct\BRIDGE\b-13-713\dgn\b13713g2.dgn



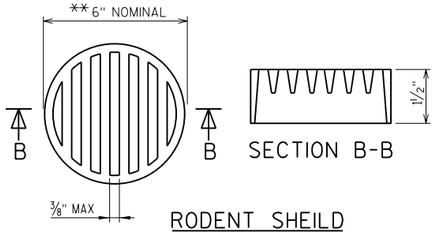
SINGLE SLOPED PARAPET
42SS MODIFIED

AREA = 3.95 SF
WEIGHT = .593 K/FT



TYPE I 72W-INCH
PRESTRESSED GIRDER

AREA = 915 SQ INCHES
WEIGHT = 953 LB/FT



RODENT SHEILD

**NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SHIELD SO SLOTS ARE VERTICAL.

RODENT SHIELD, PIPE COUPLING, AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMLAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

TOTAL ESTIMATED QUANTITIES - B-13-713

	BID ITEM NUMBER	BID ITEMS	UNIT	SOUTH STRUCTURAL APPROACH SLAB	SOUTH ABUT	NORTH ABUT	NORTH STRUCTURAL APPROACH SLAB	SUPER	TOTALS
(5)	203.0200	REMOVING OLD STRUCTURE STATION 1990'NB'+27.78	LS	-	-	-	-	-	1
	206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-13-713	LS	-	-	-	-	-	1
(1)	210.1500	BACKFILL STRUCTURE TYPE A	TON	-	480	543	-	-	1023
(1)	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	219	-	-	219	-	438
(3)	501.1000.S.	ICE HOT WEATHER CONCRETING	LB	689	744	703	689	3670	6495
(4)	502.0100	CONCRETE MASONRY BRIDGES	CY	24	99	94	24	-	241
	502.3200	PROTECTIVE SURFACE TREATMENT	SY	134	-	-	134	1023	1291
	502.3210	PIGMENTED SURFACE SEALER	SY	20	-	-	20	153	193
	503.0172	PRESTRESSED GIRDER TYPE I 72W-INCH	LF	-	-	-	-	1510	1510
	505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-	9390	8780	-	-	18,170
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	16,490	1370	890	16,490	62,150	97,390
	505.0800.S.	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	1085	-	-	1085	-	2170
	506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EA	-	10	10	-	-	20
	506.4000	STEEL DIAPHRAGMS B-13-713	EA	-	-	-	-	18	18
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	23	25	-	-	48
	550.1120	PILING STEEL HP 12-INCH x 53 LB	LF	-	1200	1000	-	-	2200
	604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	-	364	364	-	-	728
(2)	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	165	165	-	-	330
	614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EA	2	-	-	2	-	4
	645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	-	103	124	-	-	227
	652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	-	-	-	-	24	24
	652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	-	-	-	-	415	415
	653.0222	JUNCTION BOXES 18 x 12 x 6-INCH	EA	-	-	-	-	2	2
(4)	SPV.0035.700	HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES	CY	68	-	-	68	489	625
	SPV.0165.700	LONGITUDINAL GROOVING BRIDGE DECK	SF	1205	-	-	1205	9210	11,620
		NON-BID ITEMS							
		FILLER	SIZE	———	———	———	———	———	½ & ¾
		NAMEPLATE	EACH	———	———	———	———	———	1

(1) A FACTOR OF 2.0 WAS USED TO CONVERT CU YDS TO TONS.

(2) INCLUDES RODENT SHIELD FOR PIPE UNDERDRAIN PER SDD 8F6-4.

(3) BID ITEM 501.1000.S INCLUDES ALL CONCRETE QUANTITIES.

(4) BID ITEM "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES" SHALL BE UTILIZED IN THE DECK & HAUNCHS, PARAPETS, ABUTMENT DIAPHRAGMS, APPROACH SLABS AND APPROACH SLAB PARAPETS.

BID ITEM "CONCRETE MASONRY BRIDGES" SHALL BE UTILIZED FOR ALL OTHER CONCRETE ITEMS INCLUDING THE APPROACH SLAB FOOTINGS.

(5) SEE NOTES ON SHEETS 1, 9 & 12.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

FOR EXISTING STRUCTURE SEE 'PROFILE GRADE LINE' ON SHEET 2.

REFER TO ROADWAY DRAWINGS FOR EXACT EXISTING UTILITY LOCATIONS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NAVD 88 (2007) DATUM.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST DIGIT OF A THREE DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M153 TYPE 1, 2, OR 3 OR AASHTO DESIGNATION M213.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING (CRUSHED AGGREGATE) TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET AND IN THE ABUTMENTS DETAILS.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

EXCAVATION BELOW THE ABUTMENTS AND ABUTMENTS BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT

AT THE BACKFACE OF ABUTMENTS ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE TYPE A.

BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO "EXCAVATION FOR STRUCTURES". LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE PRESTRESSED GIRDER DETAILS SHEET.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY, NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD ⅛" BELOW SURFACE OF CONCRETE).

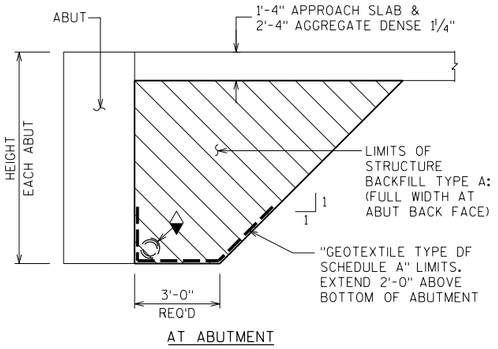
ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

APPLY A PROTECTIVE SURFACE TREATMENT TO TOP OF BRIDGE DECK, TOP OF APPROACH SLABS AND TOP OF APPROACH SLAB NOTCH. APPLY PIGMENTED SURFACE SEALER TO TOP AND INSIDE FACES OF PARAPET INCLUDING PARAPET LOCATED ON THE STRUCTURAL APPROACH SLAB. PER THE STANDARD SPECIFICATIONS AND THE SUPERSTRUCTURE DETAILS SHEET.

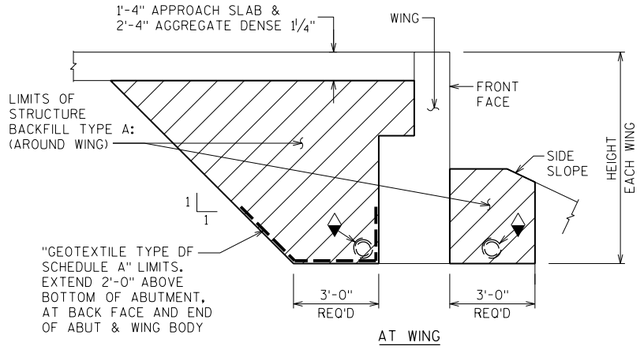
THE 42SS MODIFIED PARAPETS ARE INCLUDED IN THE BID ITEM "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".

THE RUSTICATIONS IN THE ABUTMENTS ARE INCLUDED IN THE BID ITEM "CONCRETE MASONRY BRIDGES".

THE RUSTICATIONS AT THE BACK FACE OF THE PARAPET ARE INCLUDED IN THE BID ITEM "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".



AT ABUTMENT

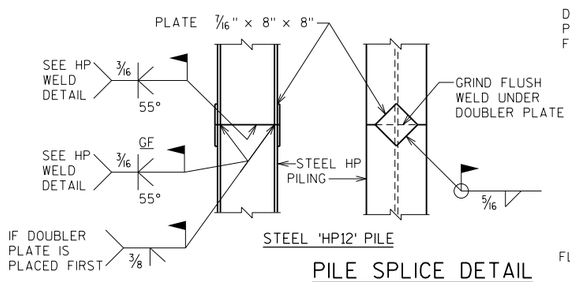


AT WING

BACKFILL STRUCTURE LIMITS

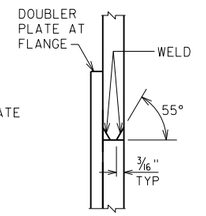
A FACTOR OF 2.0 WAS USED TO CONVERT CU YDS TO TONS

◆ PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE.



STEEL 'HP12' PILE

PILE SPLICE DETAIL



'HP12' WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

NOTES AND QUANTITIES

SHEET 3 OF 31
423

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PLOT DATE: 7/19/2017 PLOT TIME: 7:03:34 AM

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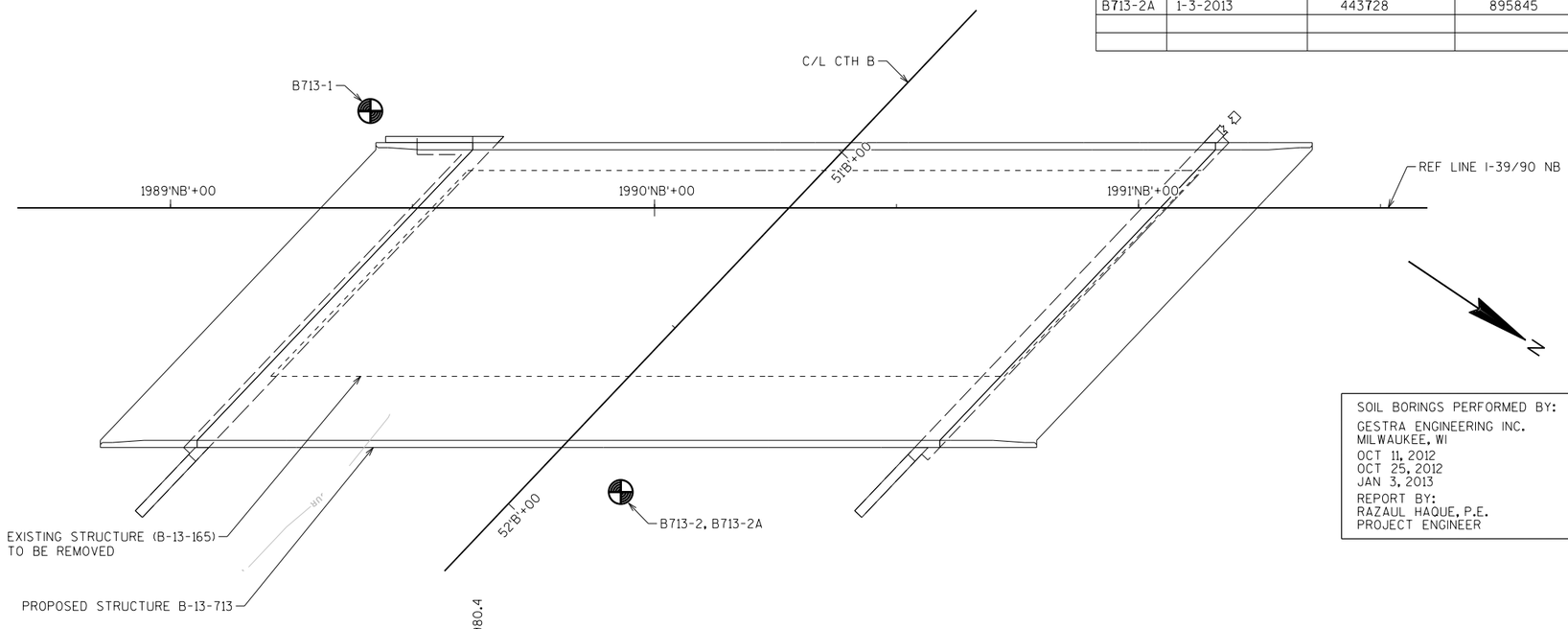
BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B713-1	10-11-2012	443636	895825
B713-2	10-25-2012	443728	895845
B713-2A	1-3-2013	443728	895845

STATE PROJECT NUMBER

1007-11-71



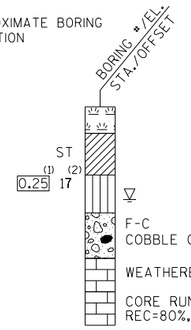
SOIL BORINGS PERFORMED BY:
GESTRA ENGINEERING INC.
MILWAUKEE, WI
OCT 11, 2012
OCT 25, 2012
JAN 3, 2013
REPORT BY:
RAZAUL HAQUE, P.E.
PROJECT ENGINEER

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING

= APPROXIMATE BORING LOCATION



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

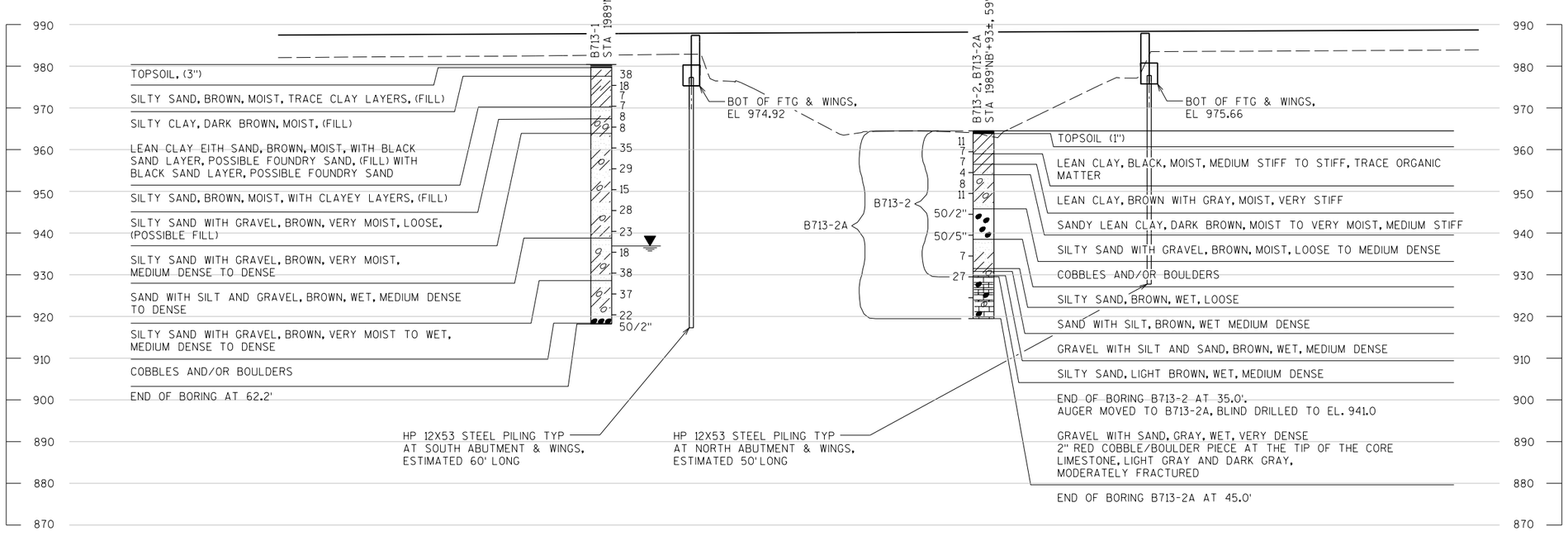
- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.



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SUBSURFACE EXPLORATION

SHEET 4 OF 31

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STATE PROJECT NUMBER
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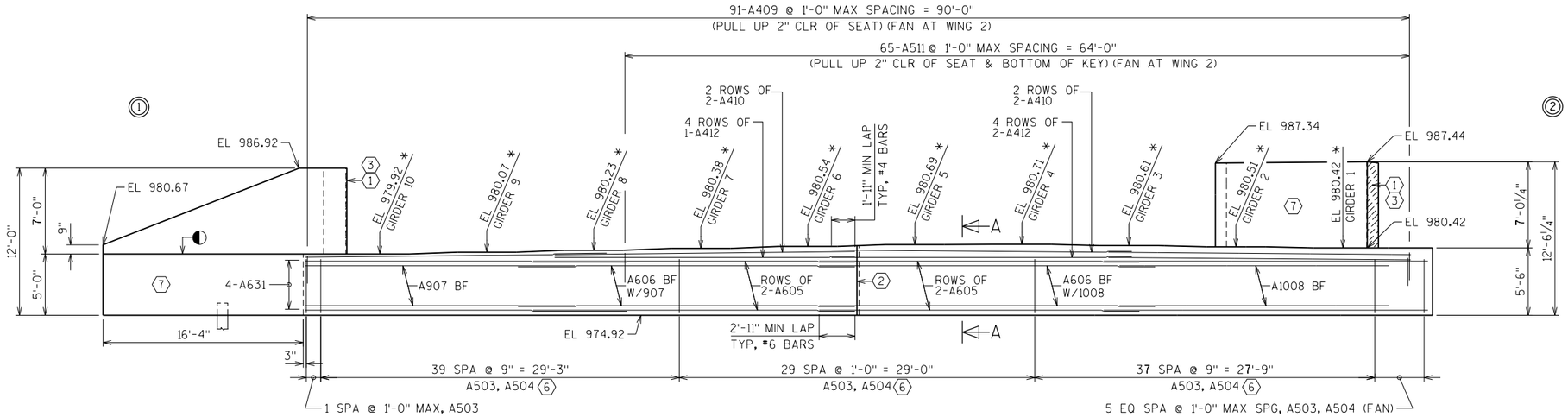
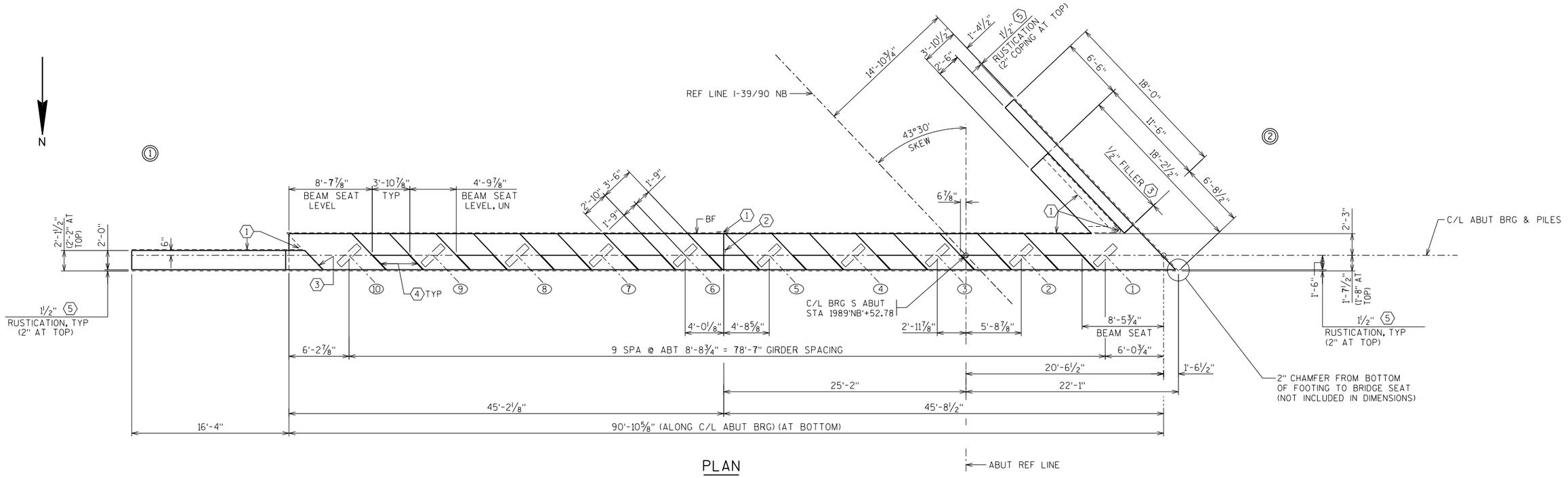


ELEVATION

(LOOKING AT FRONT FACE)
(BODY PILES, RUSTICATION & SEAT KEYS NOT SHOWN FOR CLARITY)



PLAN

LEGEND

* ELEVATIONS AND DIMENSIONS TAKEN ALONG C/L OF BRG & PILES SOUTH ABUTMENT.

(1) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZ & VERT JOINTS ON BACKFACE.

(2) VERTICAL CONST JT KEYWAY FORMED BY A SURFACED BEVELED 2"x8". BEVEL EXPOSED EDGES 3/4". FOR ALTERNATE CONST JT DETAILS SEE SHEET 13.

(3) 1/2" FILLER & SEALER EXTEND FROM BEAM SEAT TO TOP OF WING. INCLUDED IN WING LENGTH.

(4) 3/4" CORK FILLER ON VERTICAL BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(5) 1 1/2" RUSTICATION (2" RUSTICATION AT TOP) IS NOT INCLUDED IN THE REINFORCEMENT CLEAR REQUIREMENTS. SEE RUSTICATON DETAILS FOR ADD'L INFORMATION.

(6) USE A503 TYPICAL, EXCEPT A504 AT PILES.

(7) SEE "SOUTH ABUTMENT WING DETAILS" FOR WING PLANS AND REINFORCEMENT.

◎ INDICATES WING NUMBER.

⬭ INDICATES NEW GIRDER LINE.

◆ PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE.

◍ ATTACH RODENT SHIELD AT END OF PIPE UNDERDRAIN, SEE DETAIL ON SHEET 3.

◐ CONST JOINT FORMED BY BEVELED 2"X6" (NO V-GROOVE ON FRONT FACE).

S ABUT = SOUTH ABUTMENT
N ABUT = NORTH ABUTMENT

FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE
UN = UNLESS NOTED

ABUTMENT NOTES

DIMENSIONS ARE MEASURED ALONG C/L ABUTMENT UNLESS NOTED OTHERWISE.

SEAL ALL EXPOSED HORIZ. AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-ASPHALTIC JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE). FILLER INCLUDED IN WING LENGTH.

FOR TYPICAL ABUTMENT SECTION A-A SEE SHEET 9.

FOR PILE SPLICE DETAIL SEE SHEET 3.

FOR BEARING PAD DETAIL SEE SUPERSTRUCTURE SHEETS.

FOR RUSTICATION DETAILS SEE SHEET 30.

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SOUTH ABUTMENT

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425

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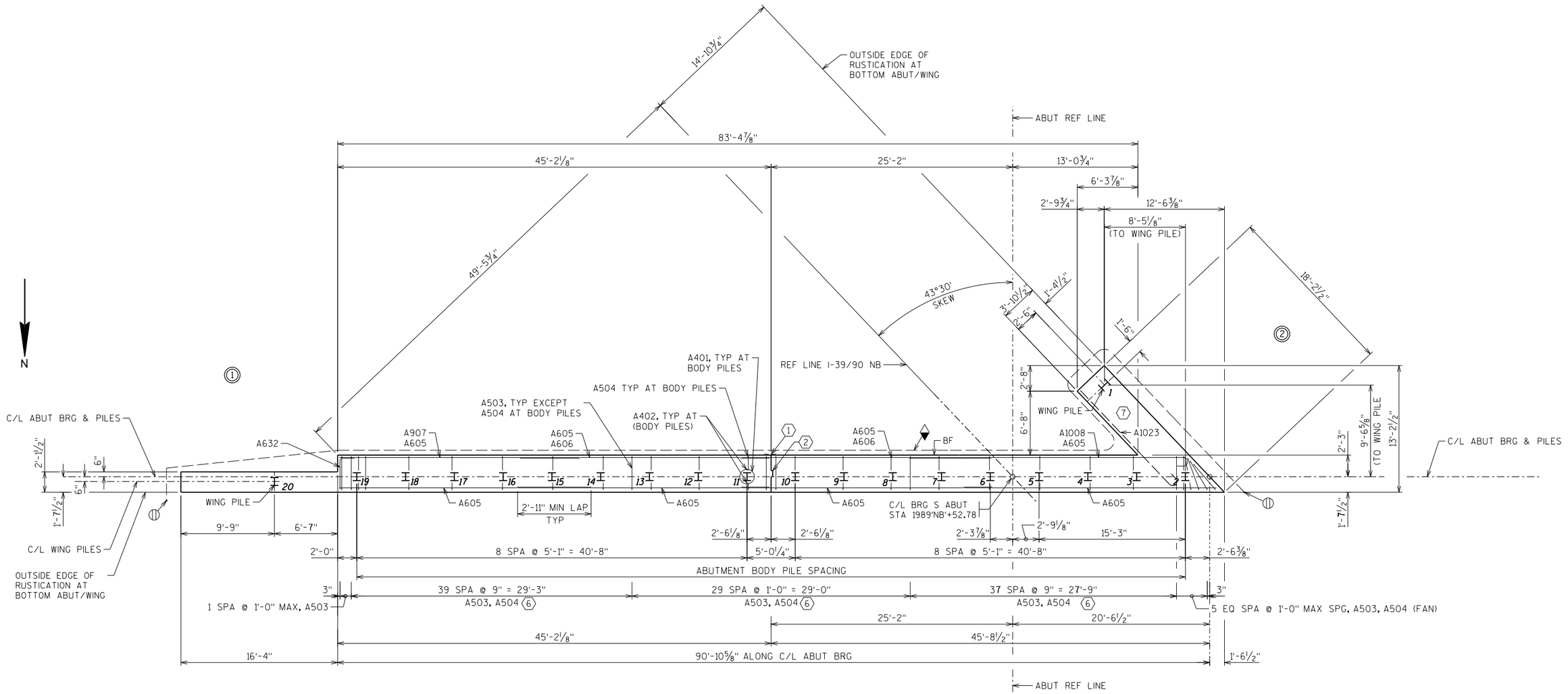
STATE PROJECT NUMBER
1007-11-71

NOTES

SEE SHEET 5 FOR LEGEND AND ABUTMENT NOTES.

SEE SHEET 9 FOR PILE NOTE.



FOOTING & PILE LAYOUT

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SOUTH ABUTMENT

SHEET 6 OF 31

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PLOT DATE: 7/19/2017 PLOT TIME: 7:03:35 AM

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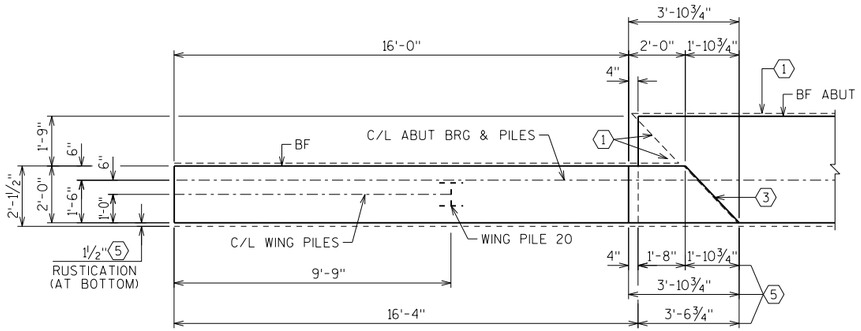
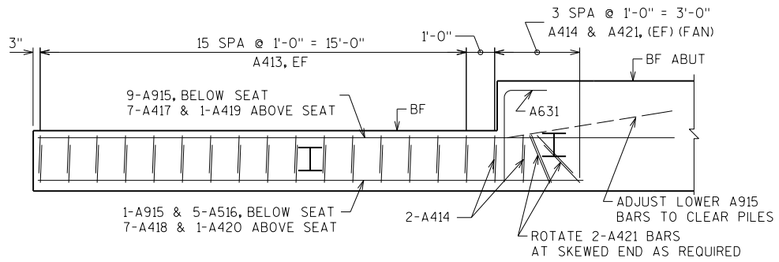


WING 1 PLAN
(AT TOP OF WINGWALL)



WING 1 PLAN
(SHOWING REINFORCEMENT BELOW BEARING SEAT)

LRFD DESIGN LOADS (WINGS)

LIVE LOAD = 1'-0" SURCHARGE
LOAD FACTORS:
pDC = 1.25
pEH = 1.50
LS = 1.75
EXPOSURE CLASS 2.
E = 0.75

HORIZ EARTH LOAD BASED ON: 35 PCF EQUIV FLUID UNIT WEIGHT OF SOIL.
FY = 60,000 PSI
F'C = 3,500 PSI

NOTES

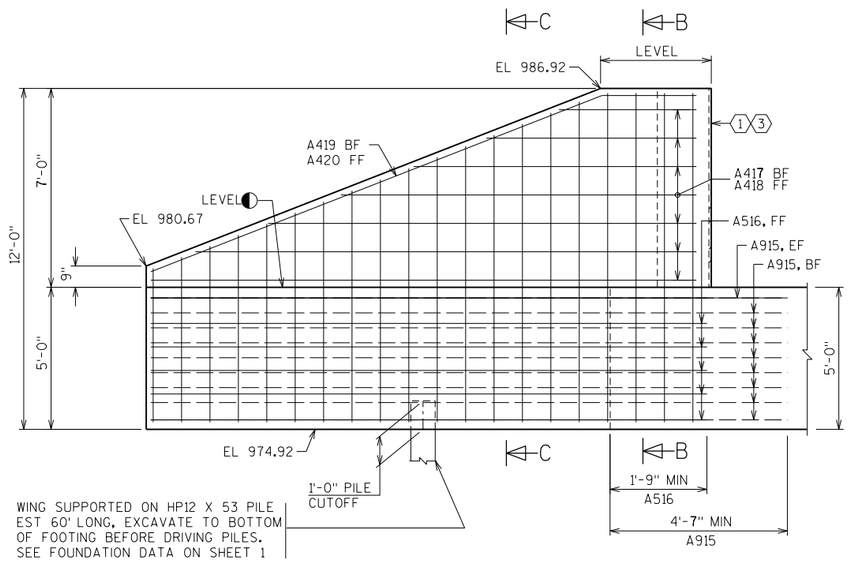
SEE SHEET 5 FOR LEGEND AND ABUTMENT NOTES.

FOR PILE SPLICE DETAIL SEE SHEET 3.

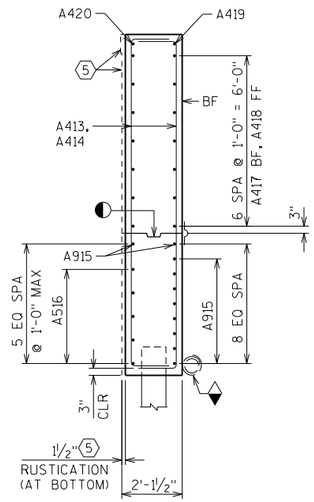
FOR BEARING PAD DETAIL SEE SUPERSTRUCTURE DETAILS.

FOR RUSTICATION DETAILS SEE SHEET 30.

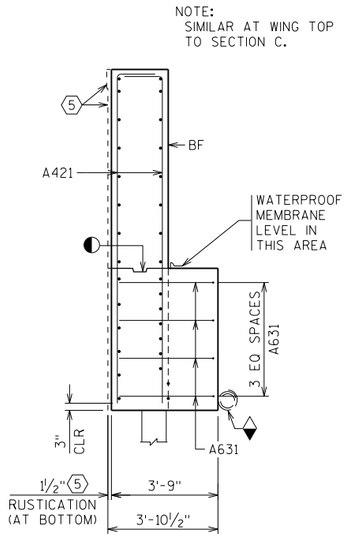
FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE



WING 1 ELEVATION
(RUSTICATION NOT SHOWN FOR CLARITY)



WING 1
SECTION C-C



WING 1
SECTION B-B

NO.	DATE	REVISION	BY

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STRUCTURE B-13-713

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SOUTH ABUTMENT
WING 1 DETAILS

SHEET 7 OF 31
427

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STATE PROJECT NUMBER
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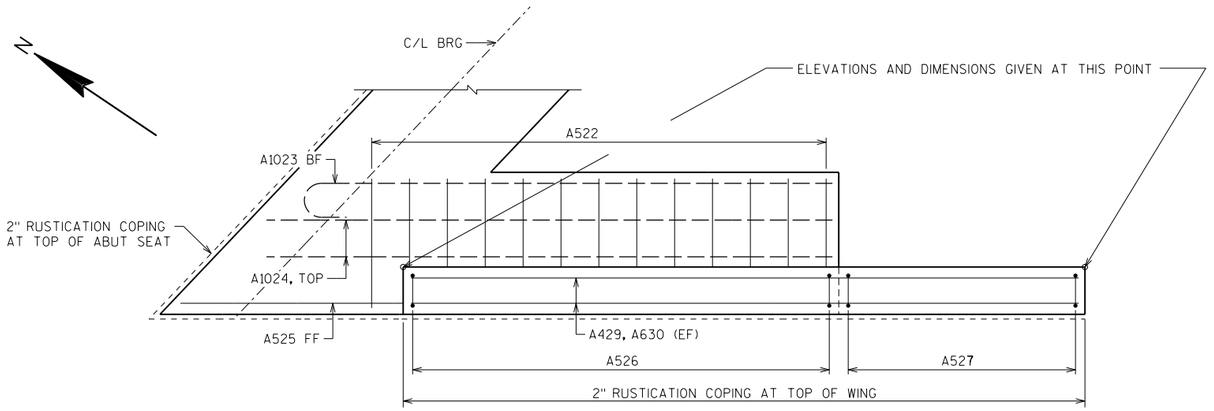
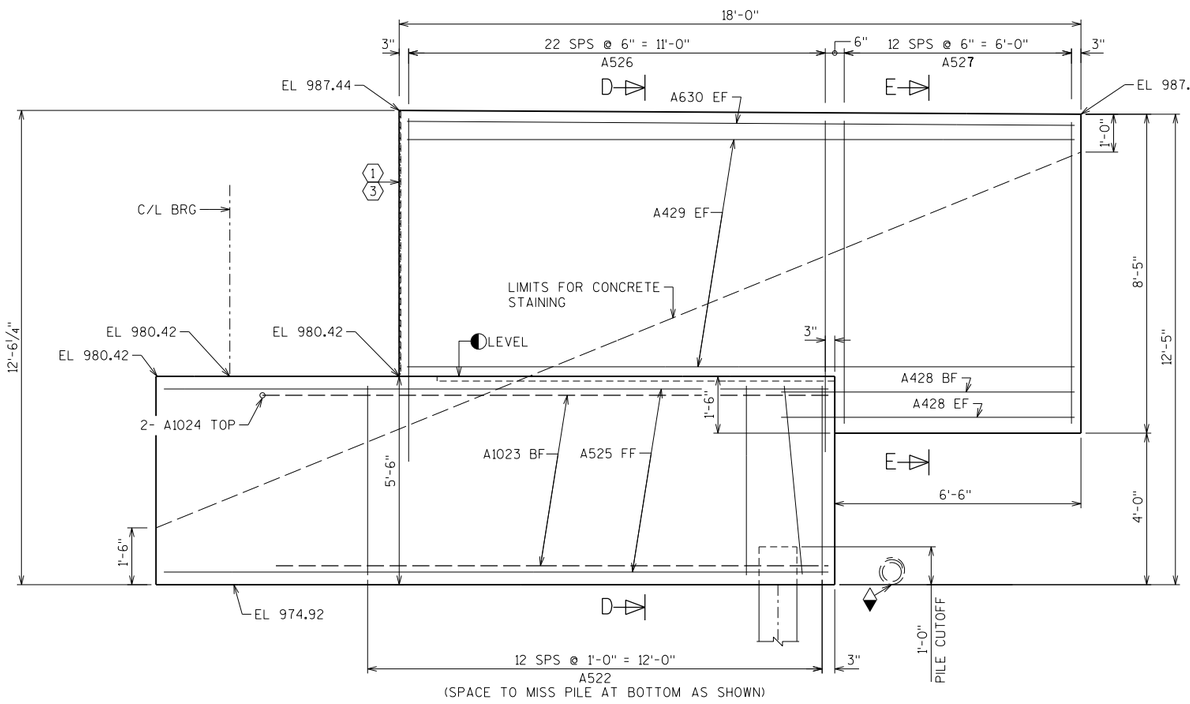


PLAN - WING 2

(PILES NOT SHOWN FOR CLARITY)

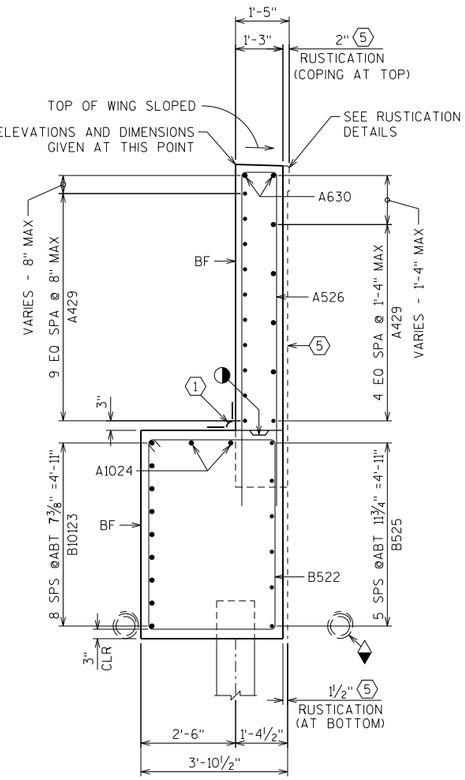
NOTES

SEE SHEET 5 FOR LEGEND AND ABUTMENT NOTES.

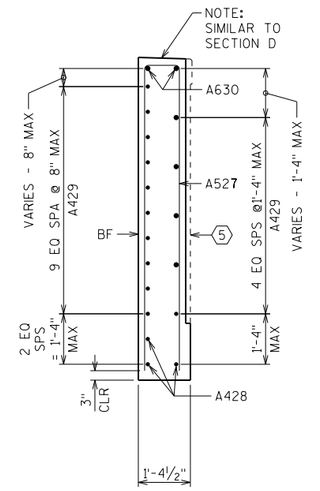


ELEVATION - WING 2

(RUSTICATION NOT SHOWN FOR CLARITY)



SECTION D



SECTION E

NO.	DATE	REVISION	BY

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STRUCTURE B-13-713

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SOUTH ABUTMENT WING 2 DETAILS

SHEET 8 OF 31

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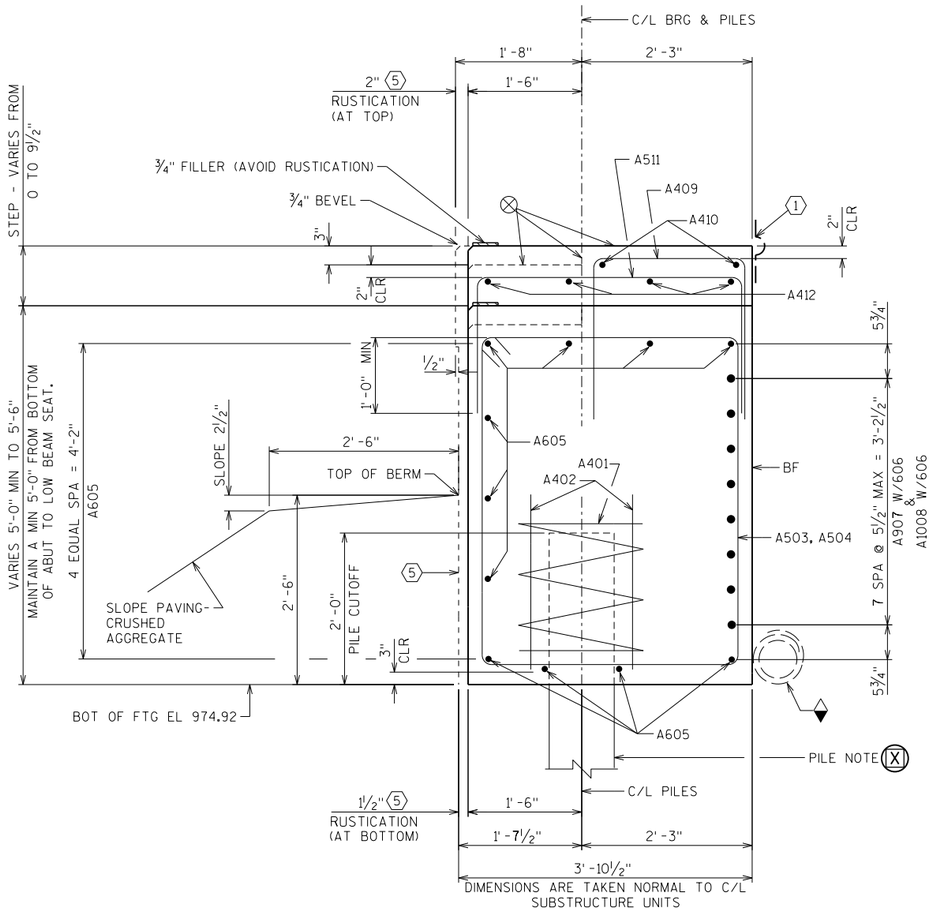


SECTION A-A
TYPICAL SECTION THRU BODY

NOTES

SEE SHEET 5 FOR LEGEND AND ABUTMENT NOTES.

FOR PILE SPLICE DETAIL SEE SHEET 3.

FOR BEARING PAD DETAIL SEE SUPERSTRUCTURE SHEETS.

FOR RUSTICATION DETAILS SEE SHEET 30.

LEGEND CONT. (FROM SHEET 5)

(5) LIMITS OF ARCHITECTURAL SURFACE TREATMENT RUSTICATION. FOR DETAILS SEE "AESTHETIC DETAILS" SHEET.

(⊗) STEEL TROWEL TOP SURFACE OF ABUTMENT, PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03"

PILE NOTE (X)

SOUTH ABUTMENT SUPPORTED ON HP12 X 53 PILING EST 60' LONG, EXCAVATE TO BOTTOM OF FOOTING BEFORE DRIVING PILES.

SEE FOUNDATION DATA ON SHEET 1.

IF THE CENTER OF A PROPOSED PILE IS WITHIN 2'-6" FROM CENTER OF AN EXISTING PILE, THE EXISTING PILE CAN BE REMOVED OR THE PROPOSED PILE SPACING CAN BE ADJUSTED, WITH THE PRIOR APPROVAL FROM THE ENGINEER. THE COST OF REMOVING EXISITNG PILES AND ADJUSTING THE SPACING IS INCIDENTAL TO REMOVING OLD STRUCTURE STATION 1990'NB'+27.78.

FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE
EXIST = EXISTING

BAR SERIES TABLE — SOUTH ABUT

BAR MARK	NO. REQ'D.	LENGTH	BENT	LOCATION
A413	2 SERIES OF 16	8'-2" TO 14'-0"	X	WING 1 VERT
A417	1 SERIES OF 7	3'-5" TO 17'-9"		WING 1 HORIZ BF
A418	1 SERIES OF 7	4'-8" TO 19'-2"		WING 1 HORIZ FF

BUNDLE AND TAG EACH SERIES SEPARATELY

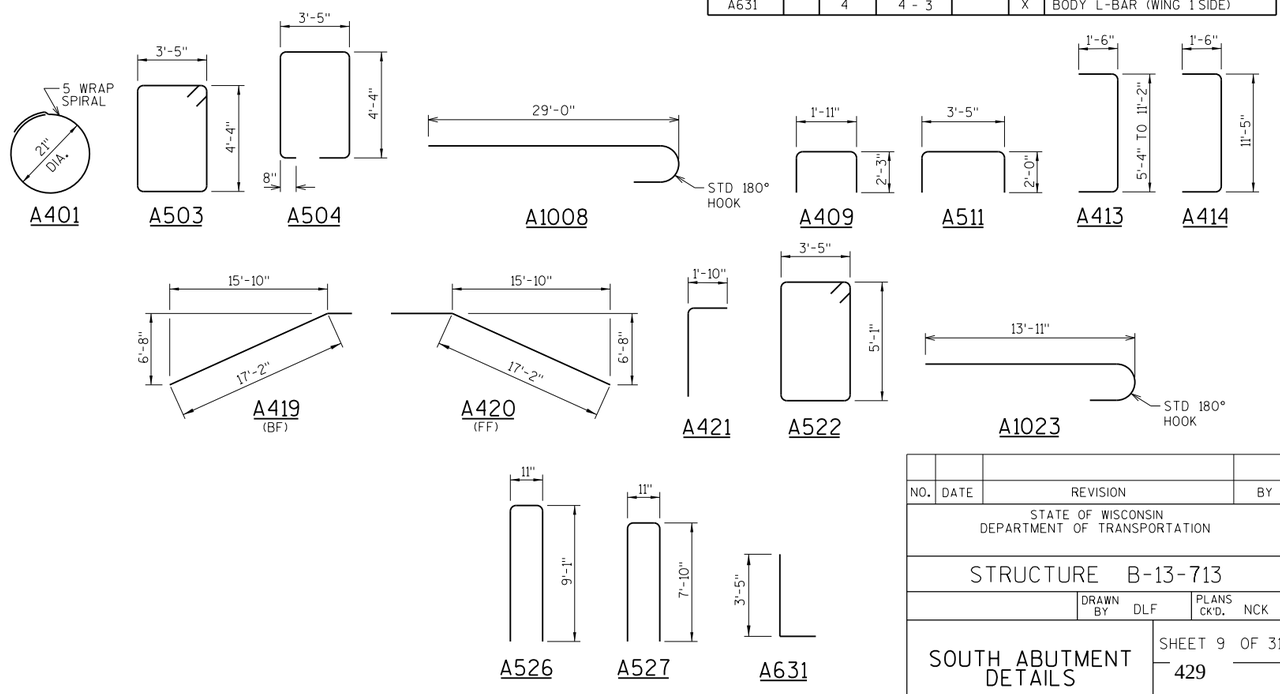
NOTE: THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE ENGLISH BAR DIAMETER SIZE.

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

▲BAR SERIES LENGTH SHOWN IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE AND BENDING DETAILS FOR ACTUAL LENGTHS.

BILL OF BARS — SOUTH ABUT

BAR MARK	COAT	NO. REQ'D.	LENGTH (FT-IN)	BAR SERIES	BENT	LOCATION
A401		18	27 - 0		X	BODY AT PILES
A402		36	2 - 3			BODY AT PILES
A503		94	16 - 2		X	BODY STIRRUP
A504		18	13 - 8		X	BODY STIRRUP AT PILES
A605		44	26 - 3			BODY HORIZ
A606		16	26 - 0			BODY HORIZ BF
A907		8	25 - 0			BODY HORIZ BF (WING 1 SIDE)
A1008		8	30 - 5		X	BODY HORIZ BF (WING 2 SIDE)
A409		91	6 - 3		X	BODY VERT TOP
A410		8	24 - 6			BODY HORIZ TOP
A511		65	7 - 2		X	BODY VERT TOP AT KEY
A412		12	24 - 6			BODY HORIZ TOP AT KEY
A413	X	32	11 - 1	▲	X	WING 1 VERT EF
A414	X	4	14 - 3		X	WING 1 VERT EF
A915		10	20 - 11			WING 1 HORIZ BF
A516		5	18 - 1			WING 1 HORIZ FF
A417	X	7	10 - 7	▲		WING 1 HORIZ BF
A418	X	7	11 - 11	▲		WING 1 HORIZ FF
A419	X	1	19 - 0		X	WING 1 TOP DIAG BF
A420	X	1	20 - 5		X	WING 1 TOP DIAG FF
A421	X	4	13 - 2		X	WING 1 VERT EF
A522		13	17 - 8		X	WING 2 STIRRUP
A1023		9	15 - 4		X	WING 2 BF
A1024		2	14 - 11			WING 2 TOP
A525		6	15 - 4			WING 2 FF
A526	X	23	18 - 10		X	WING 2 VERT
A527	X	13	16 - 4		X	WING 2 VERT
A428	X	5	7 - 9			WING 2 HORIZ EF
A429	X	15	17 - 7			WING 2 HORIZ EF
A630	X	2	17 - 7			WING 2 HORIZ EF TOP
A631		4	4 - 3		X	BODY L-BAR (WING 1 SIDE)



NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

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SOUTH ABUTMENT DETAILS

SHEET 9 OF 31
429

STATE PROJECT NUMBER
1007-11-71

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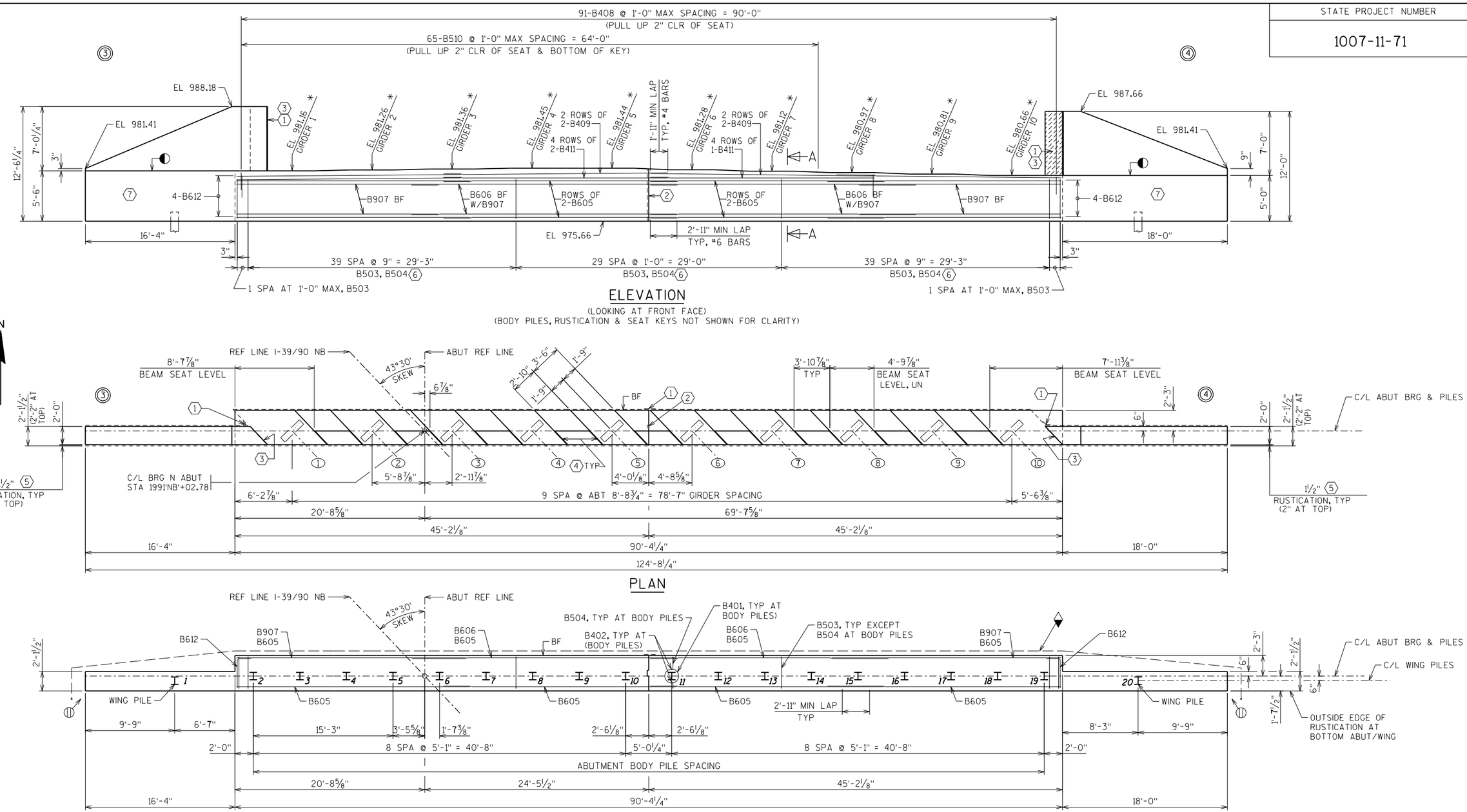
STATE PROJECT NUMBER
1007-11-71



ELEVATION

(LOOKING AT FRONT FACE)
(BODY PILES, RUSTICATION & SEAT KEYS NOT SHOWN FOR CLARITY)

PLAN

FOOTING & PILE LAYOUT

LEGEND

- * ELEVATIONS AND DIMENSIONS TAKEN ALONG C/L OF BRG & PILES NORTH ABUTMENT.
- (1) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZ & VERT JOINTS ON BACKFACE.
- (2) VERTICAL CONST JT KEYWAY FORMED BY A SURFACED BEVELED 2"x8". BEVEL EXPOSED EDGES 3/4". FOR ALTERNATE CONST JT DETAILS SEE SHEET 13.
- (3) 1/2" FILLER & SEALER EXTEND FROM BEAM SEAT TO TOP OF WING. INCLUDED IN WING LENGTH.
- (4) 3/4" CORK FILLER ON VERTICAL BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.
- (5) 1 1/2" RUSTICATION (2" RUSTICATION AT TOP) IS NOT INCLUDED IN THE REINFORCEMENT CLEAR REQUIREMENTS. SEE RUSTICATON DETAILS FOR ADD'L INFORMATION.
- (6) USE A503 TYPICAL, EXCEPT A504 AT PILES.
- (7) SEE "NORTH ABUTMENT WING DETAILS" FOR WING PLANS AND REINFORCEMENT.
- ◎ INDICATES WING NUMBER.
- ⬭ INDICATES NEW GIRDER LINE.
- ◆ PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE.
- ◍ ATTACH RODENT SHIELD AT END OF PIPE UNDERDRAIN, SEE DETAIL ON SHEET 3.
- ◐ CONST JOINT FORMED BY BEVELED 2"X6" (NO V-GROOVE ON FRONT FACE).

S ABUT = SOUTH ABUTMENT
N ABUT = NORTH ABUTMENT

FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE
UN = UNLESS NOTED

ABUTMENT NOTES

DIMENSIONS ARE MEASURED ALONG C/L ABUTMENT UNLESS NOTED OTHERWISE.

SEAL ALL EXPOSED HORIZ. AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-ASPHALTIC JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE). FILLER INCLUDED IN WING LENGTH.

FOR TYPICAL ABUTMENT SECTION A-A SEE SHEET 12.

FOR PILE SPLICE DETAIL SEE SHEET 3.

FOR BEARING PAD DETAIL SEE SUPERSTRUCTURE SHEETS.

FOR RUSTICATION DETAILS SEE SHEET 30.

SEE SHEET 12 FOR PILE NOTE.

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NORTH ABUTMENT

SHEET 10 OF 31
430

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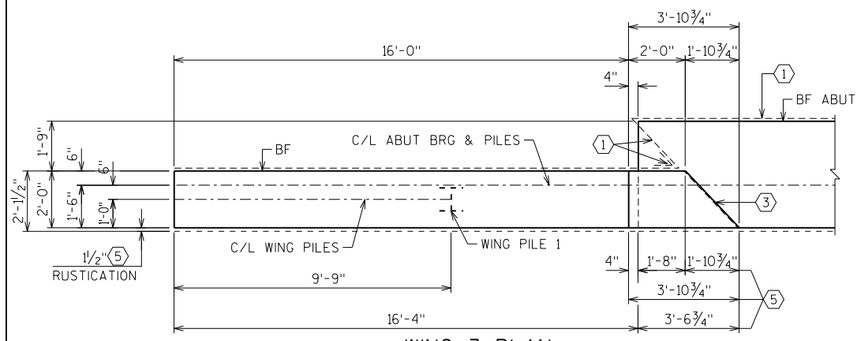
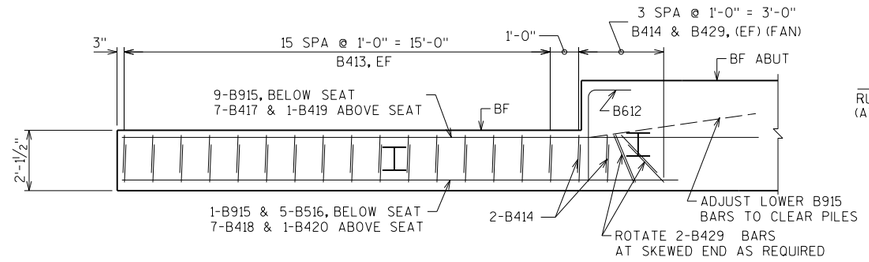
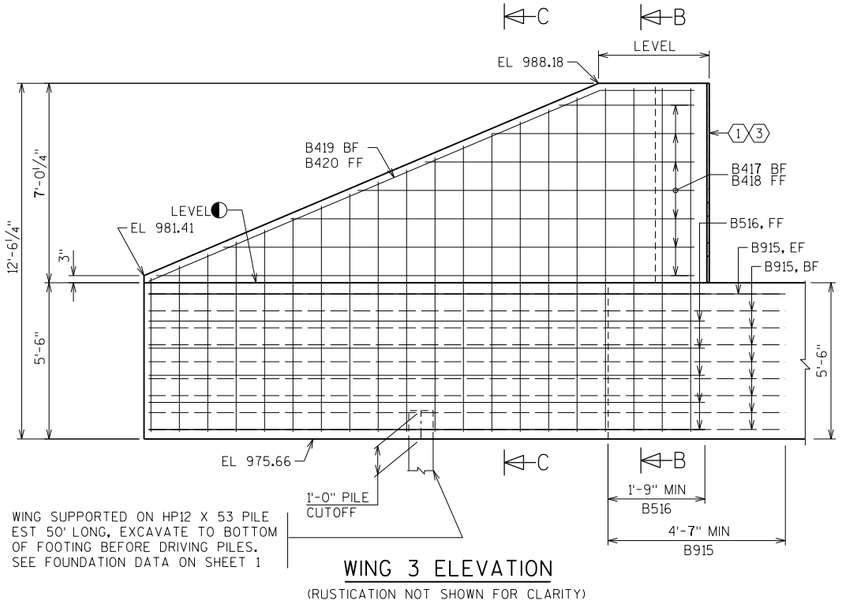


WING 3 PLAN
(AT TOP OF WINGWALL)

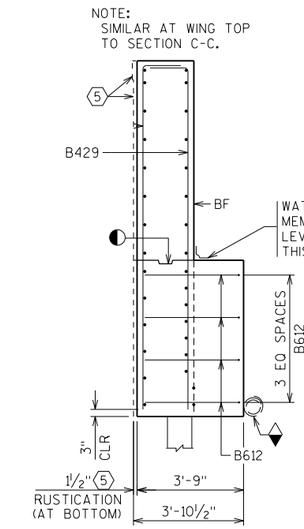


WING 3 PLAN
(SHOWING REINFORCEMENT BELOW BEARING SEAT)

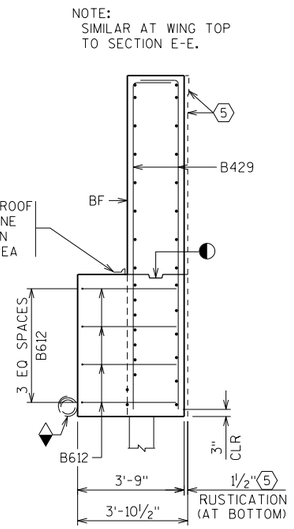


WING SUPPORTED ON HP12 X 53 PILE EST 50' LONG, EXCAVATE TO BOTTOM OF FOOTING BEFORE DRIVING PILES. SEE FOUNDATION DATA ON SHEET 1

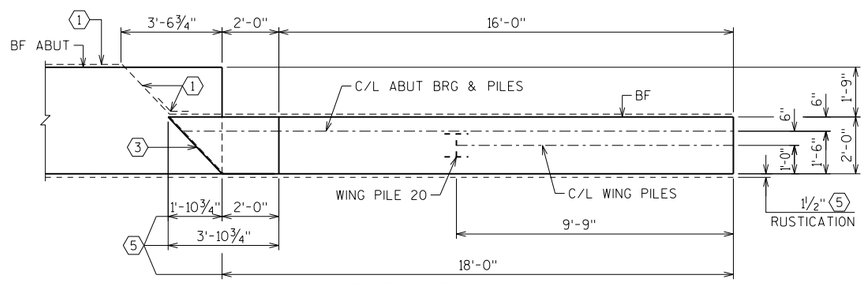
WING 3 ELEVATION
(RUSTICATION NOT SHOWN FOR CLARITY)



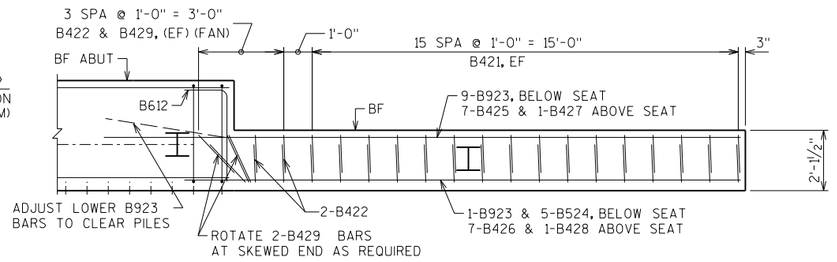
WING 3
SECTION B-B



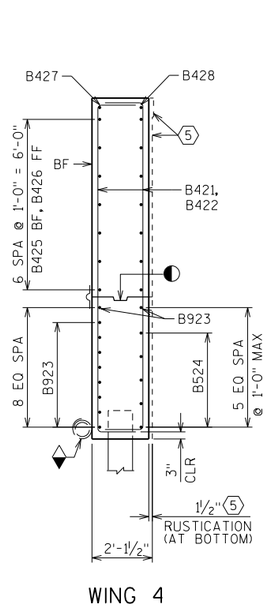
WING 4
SECTION D-D



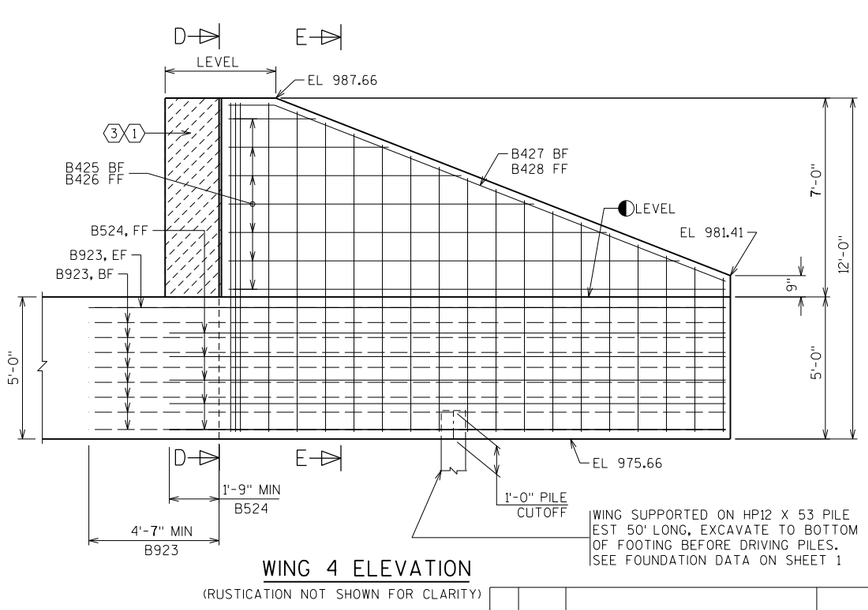
WING 4 PLAN
(AT TOP OF WINGWALL)



WING 4 PLAN
(SHOWING REINFORCEMENT BELOW BEARING SEAT)



WING 4
SECTION E-E



WING SUPPORTED ON HP12 X 53 PILE EST 50' LONG, EXCAVATE TO BOTTOM OF FOOTING BEFORE DRIVING PILES. SEE FOUNDATION DATA ON SHEET 1

WING 4 ELEVATION
(RUSTICATION NOT SHOWN FOR CLARITY)

LRFD DESIGN LOADS (WINGS)

LIVE LOAD = 1'-0" SURCHARGE
LOAD FACTORS:
pDC = 1.25
pEH = 1.50
LS = 1.75
EXPOSURE CLASS 2.
E = 0.75

HORIZ EARTH LOAD BASED ON: 35 PCF EQUIV FLUID UNIT WEIGHT OF SOIL.
FY = 60,000 PSI
F'C = 3,500 PSI

FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE

NOTES

SEE SHEET 10 FOR LEGEND AND ABUTMENT NOTES.

FOR PILE SPLICE DETAIL SEE SHEET 3.

FOR BEARING PAD DETAIL SEE SUPERSTRUCTURE DETAILS.

FOR RUSTICATION DETAILS SEE SHEET 30.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

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NORTH ABUTMENT
WING DETAILS

SHEET 11 OF 31
431

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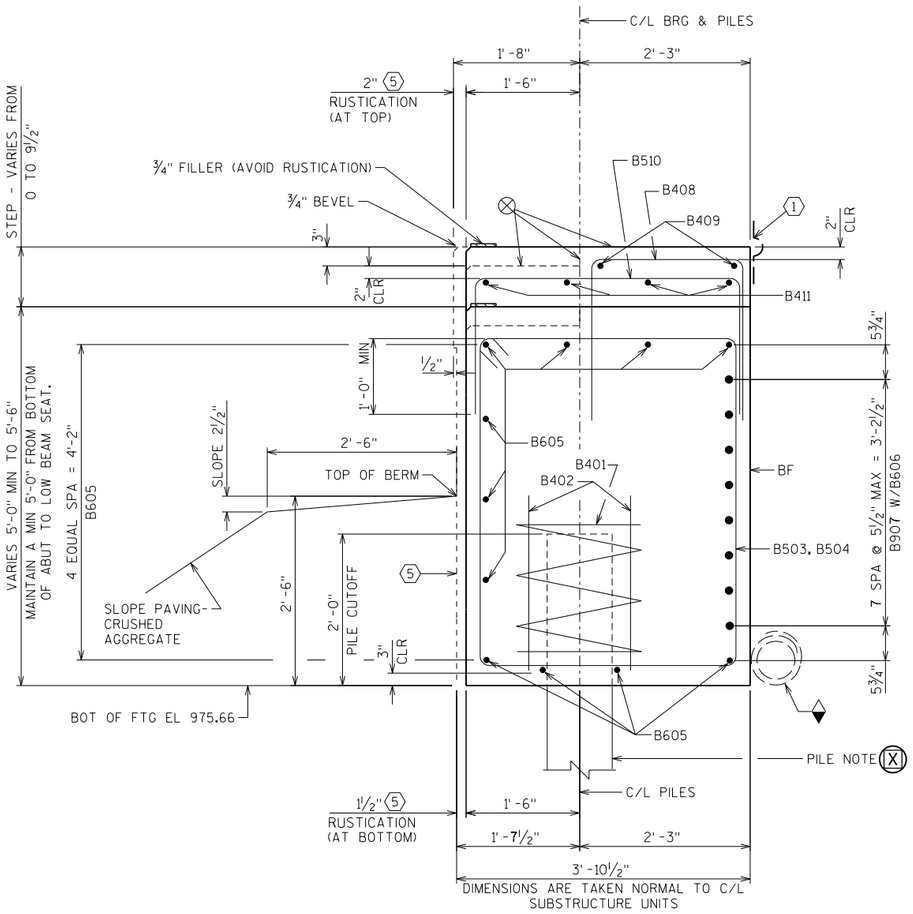

SECTION A-A
TYPICAL SECTION THRU BODY

NOTES

SEE SHEET 10 FOR LEGEND AND ABUTMENT NOTES.

FOR PILE SPLICE DETAIL SEE SHEET 3.

FOR BEARING PAD DETAIL SEE SUPERSTRUCTURE SHEETS.

FOR RUSTICATION DETAILS SEE SHEET 30.

LEGEND CONT. (FROM SHEET 10)

(5) LIMITS OF ARCHITECTURAL SURFACE TREATMENT RUSTICATION. FOR DETAILS SEE "AESTHETIC DETAILS" SHEET.

⊗ STEEL TROWEL TOP SURFACE OF ABUTMENT, PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03"

PILE NOTE (X):
NORTH ABUTMENT SUPPORTED ON HP12 X 53 PILING EST 50' LONG, EXCAVATE TO BOTTOM OF FOOTING BEFORE DRIVING PILES.

SEE FOUNDATION DATA ON SHEET 1.

IF THE CENTER OF A PROPOSED PILE IS WITHIN 2'-6" FROM CENTER OF AN EXISTING PILE, THE EXISTING PILE CAN BE REMOVED OR THE PROPOSED PILE SPACING CAN BE ADJUSTED, WITH THE PRIOR APPROVAL FROM THE ENGINEER. THE COST OF REMOVING EXISITNG PILES AND ADJUSTING THE SPACING IS INCIDENTAL TO REMOVING OLD STRUCTURE STATION 1990'NB'+27.78.

FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE
EXIST = EXISTING

BAR SERIES TABLE — NORTH ABUT

BAR MARK	NO. REQ'D.	LENGTH	BENT	LOCATION
B413	2 SERIES OF 16	8'-2" TO 14'-6"	X	WING 3 VERT
B417	1 SERIES OF 7	3'-4" TO 17'-4"		WING 3 HORIZ BF
B418	1 SERIES OF 7	4'-8" TO 18'-10"		WING 3 HORIZ FF
B421	2 SERIES OF 16	8'-2" TO 14-0"	X	WING 4 VERT
B425	1 SERIES OF 7	4'-8" TO 19'-2"		WING 4 HORIZ BF
B426	1 SERIES OF 7	3'-4" TO 17'-9"		WING 4 HORIZ FF

BUNDLE AND TAG EACH SERIES SEPARATELY

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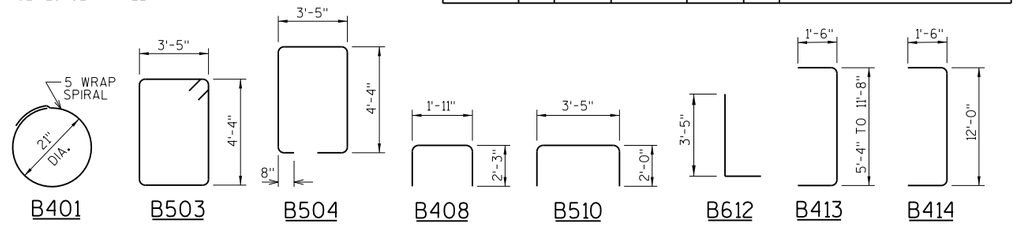
NOTE: THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE ENGLISH BAR DIAMETER SIZE.

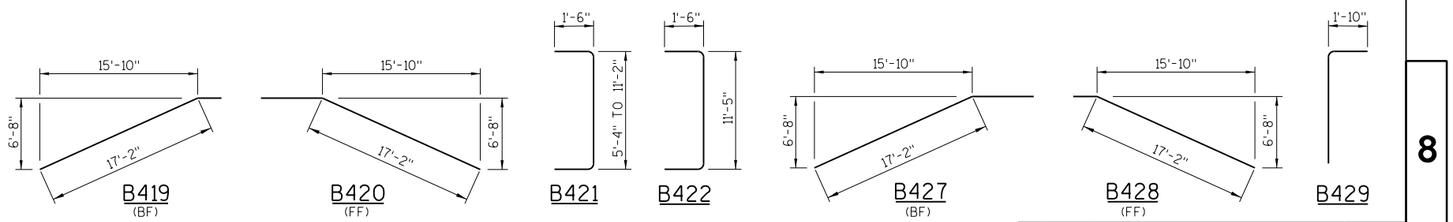
DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

▲BAR SERIES LENGTH SHOWN IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE AND BENDING DETAILS FOR ACTUAL LENGTHS.

BILL OF BARS — NORTH ABUT

BAR MARK	COAT	NO. REQ'D.	LENGTH (FT-IN)	BAR SERIES	BENT	LOCATION
B401		18	27 - 0		X	BODY AT PILES
B402		36	2 - 3			BODY AT PILES
B503		92	16 - 2		X	BODY STIRRUP
B504		18	13 - 8		X	BODY STIRRUP AT PILES
B605		44	25 - 6			BODY HORIZ
B606		16	26 - 0			BODY HORIZ BF
B907		16	25 - 0			BODY HORIZ BF
B408		91	6 - 3		X	BODY VERT TOP
B409		8	24 - 6			BODY HORIZ TOP
B510		65	7 - 2		X	BODY VERT TOP AT KEY
B411		12	24 - 6			BODY HORIZ TOP AT KEY
B612		8	4 - 3		X	BODY L-BAR AT ENDS
B413	X	32	11 - 4	▲	X	WING 3 VERT EF
B414	X	4	14 - 10		X	WING 3 VERT EF
B915		10	20 - 11			WING 3 HORIZ BF
B516		5	18 - 1			WING 3 HORIZ FF
B417	X	7	10 - 4	▲		WING 3 HORIZ BF
B418	X	7	11 - 9	▲		WING 3 HORIZ FF
B419	X	1	19 - 0		X	WING 3 TOP DIAG BF
B420	X	1	20 - 5		X	WING 3 TOP DIAG FF
B421	X	32	11 - 1	▲	X	WING 4 VERT EF
B422	X	4	14 - 3		X	WING 4 VERT EF
B923		10	22 - 7			WING 4 HORIZ BF
B524		5	19 - 9			WING 4 HORIZ FF
B425	X	7	11 - 11	▲		WING 4 HORIZ BF
B426	X	7	10 - 6	▲		WING 4 HORIZ FF
B427	X	1	20 - 5		X	WING 4 TOP DIAG BF
B428	X	1	19 - 0		X	WING 4 TOP DIAG FF
B429	X	8	13 - 2		X	WING 3 & 4 VERT EF





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STRUCTURE B-13-713

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NORTH ABUTMENT DETAILS

SHEET 12 OF 31

432

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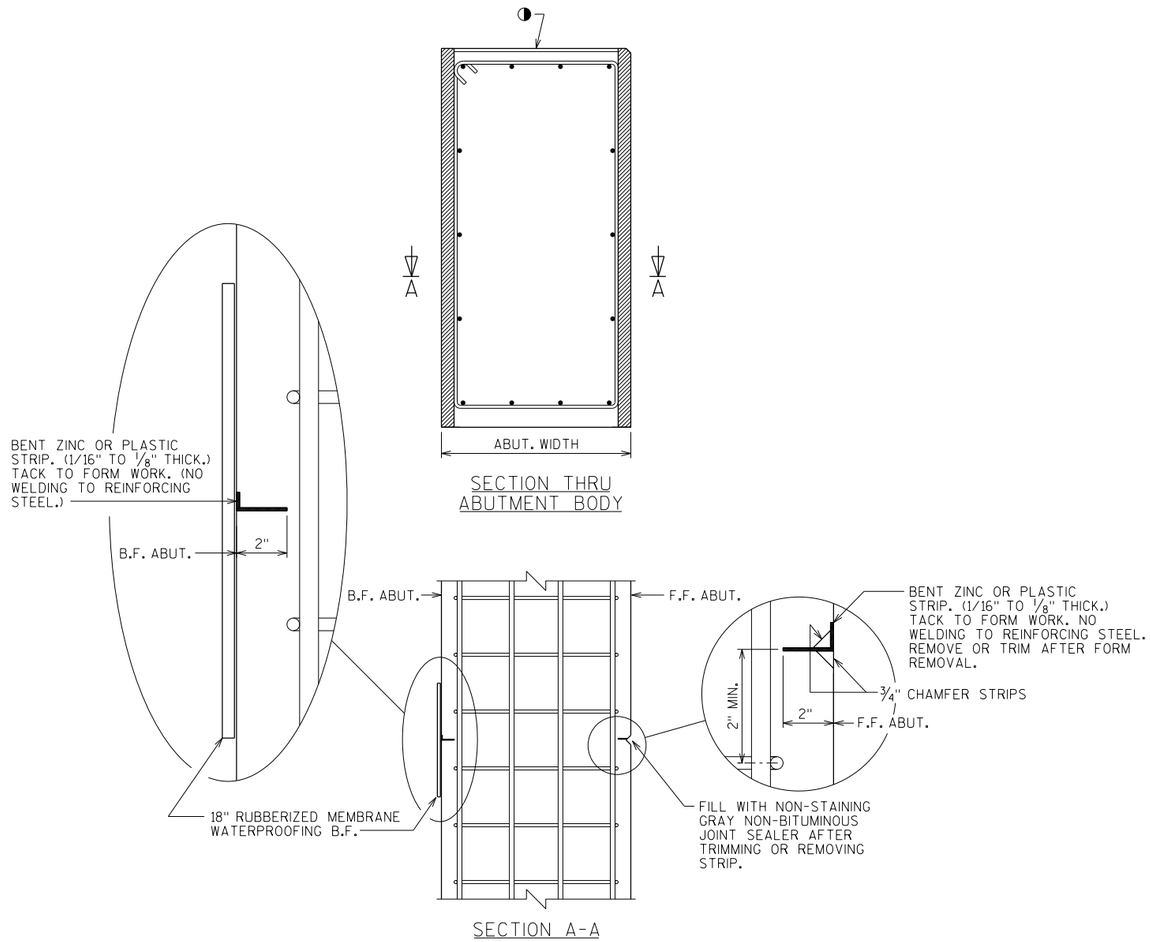

SECTION THRU ABUTMENT BODY

SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

◑ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY ½" DEEP.

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ALTERNATE CONSTRUCTION JOINT

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433

7-15
ALTJOINT

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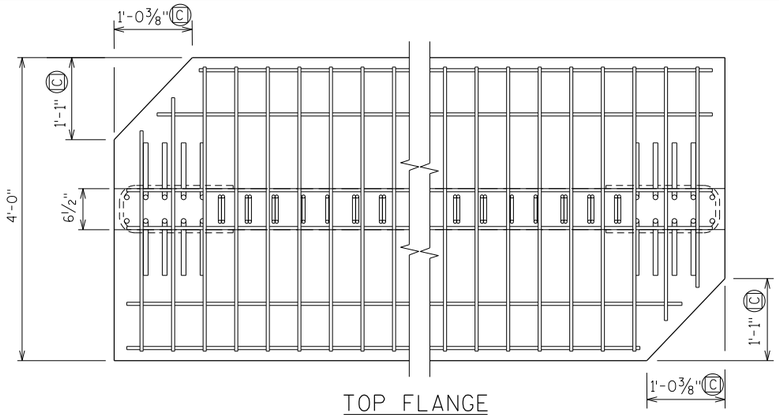
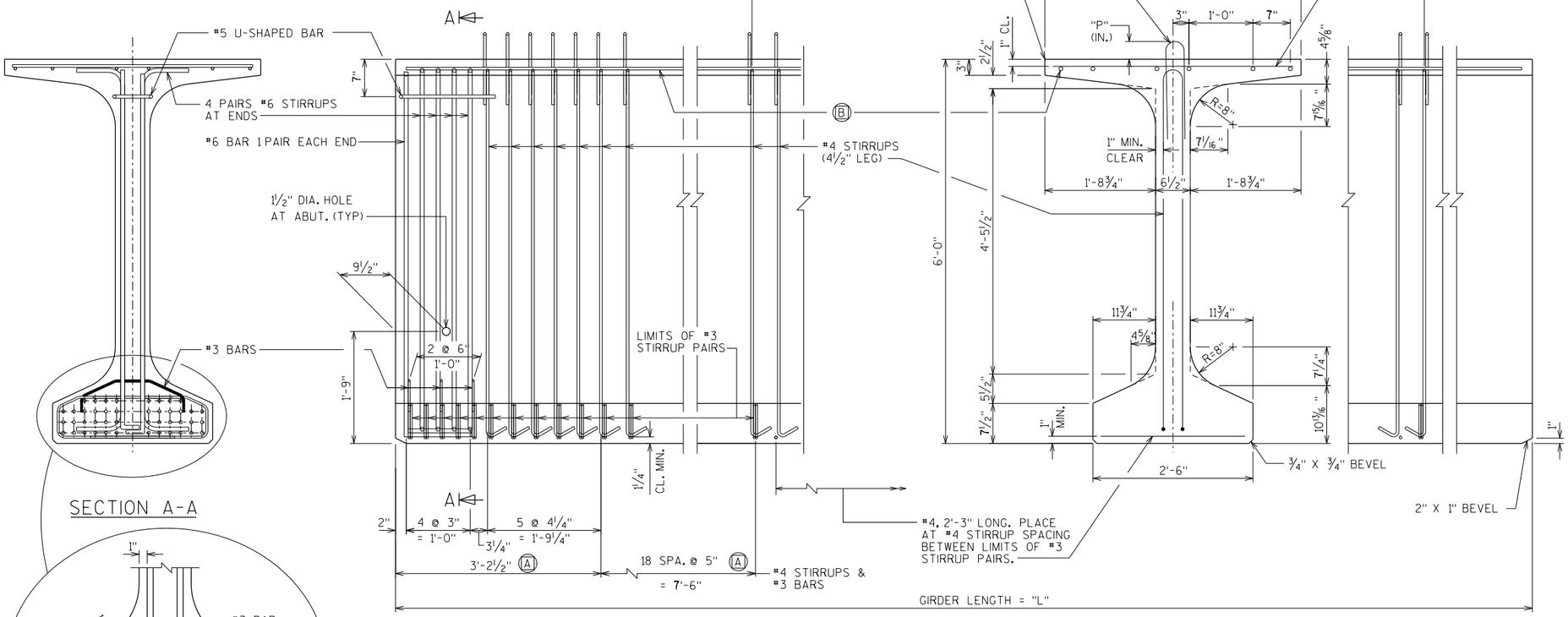
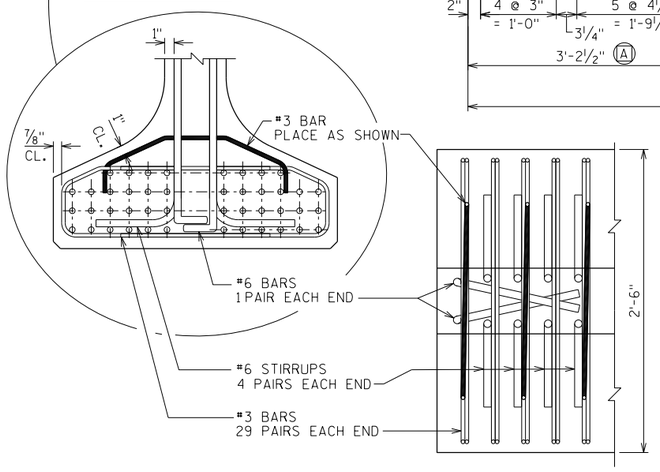


TOP FLANGE



SECTION A-A



BOTTOM FLANGE

SIDE VIEW & TYP. SECTION IN SPAN

(A) DETAIL TYP. AT EACH END

(B) 6 #6 BARS, FULL LENGTH, MIN. LAP = 3'-6"

(C) REINFORCEMENT MAY BE CUT TO FIT THE FLANGE CLIP.

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 15" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 15" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

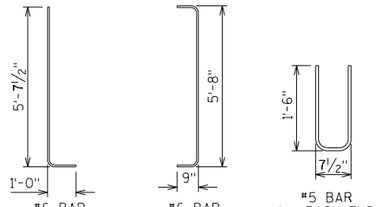
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM DETAILS" SHEET.

FOR STORAGE, HANDLING AND TRANSPORTING, THIS GIRDER IS REINFORCED TO ALLOW A MAXIMUM OVERHANG FROM THE LIFTING LOCATION OR POINT OF SUPPORT UP TO 1/10 OF GIRDER LENGTH. THE CONTRACTOR IS RESPONSIBLE FOR LATERAL STABILITY OF THE GIRDER UNTIL THE DECK IS CURED.



✳ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (p.s.i.)	"P" 1ST 1/3 OF GIRDER	"P" MID 1/3 OF GIRDER	"P" END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳
1	ALL	151'-0"	3/4	1 1/2	2	2 3/8	2 1/2	2 3/8	2	1 1/2	3/4	8.0	8	7	8	0.6	46	6.8	67	20.5	23.5	5	-	-

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STRUCTURE B-13-713

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72W" PRESTRESSED GIRDER DETAILS

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1-17
G72W

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STATE PROJECT NUMBER

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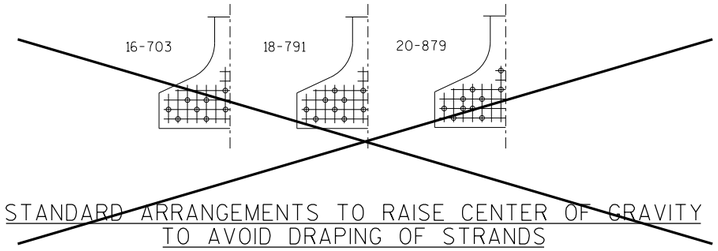
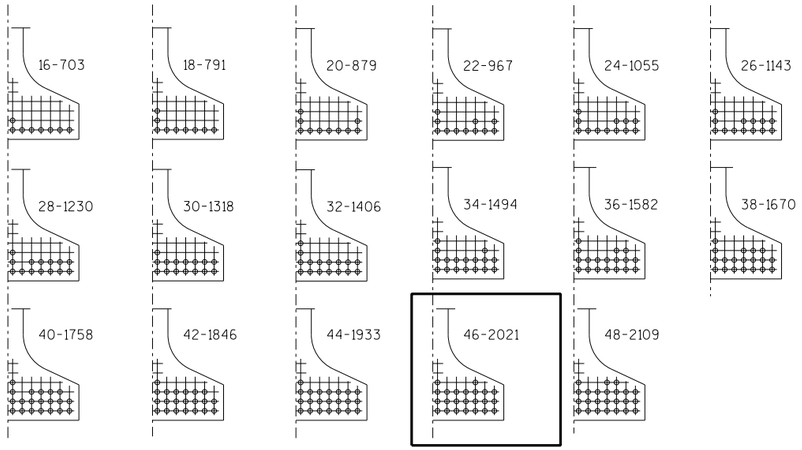


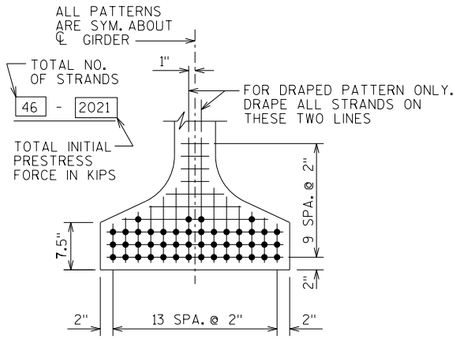
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6"ϕ STRANDS

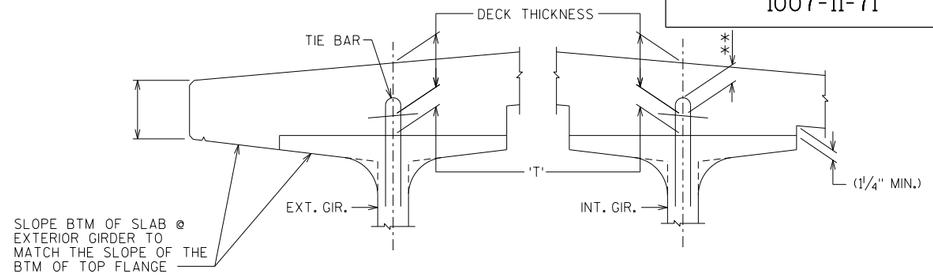


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6"ϕ STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

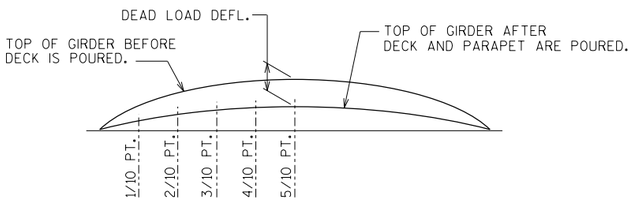
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

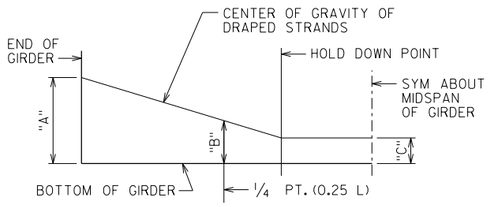
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3⅜" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	4.25

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

72W" PRESTRESSED GIRDER DETAILS

SHEET 15 OF 31

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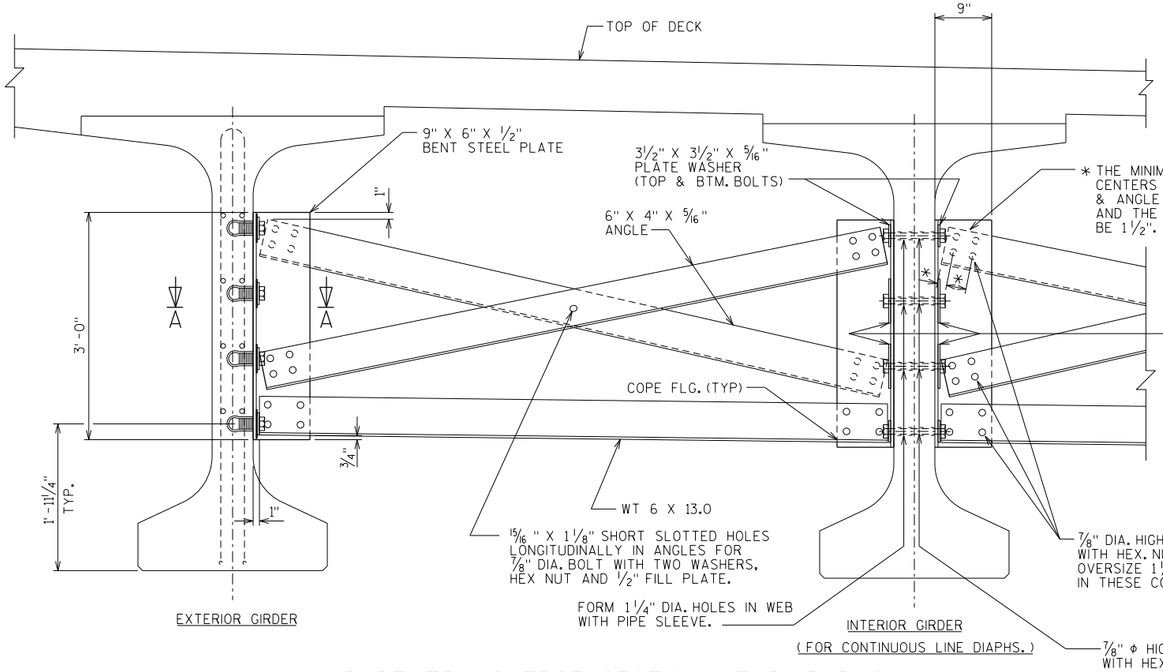
G72W
9-16

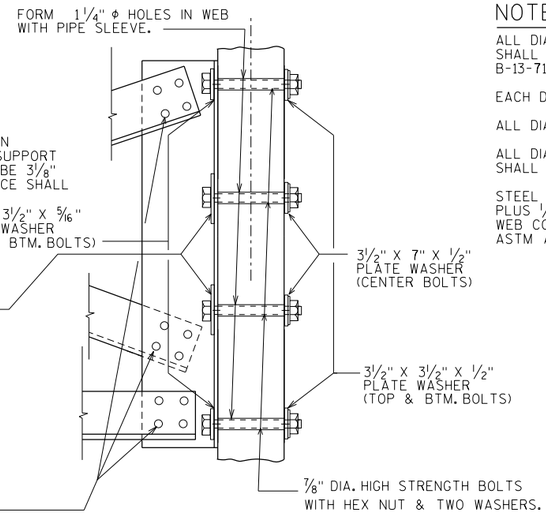
8

PLOT DATE: 7/19/2017 PLOT TIME: 7:03:38 AM
FILE NAME : S:\AE\D\Donel\25226\5-final-dgn\5l-drawings\20-Struct\BRIDGE\b-13-713\dgn\b1713_g72w.dgn

STATE PROJECT NUMBER
1007-11-71



PART TRANSVERSE SECTION AT DIAPHRAGM



SECTION AT INTERIOR GIRDERS
(FOR STAGGERED DIAPHRAGMS)

NOTES

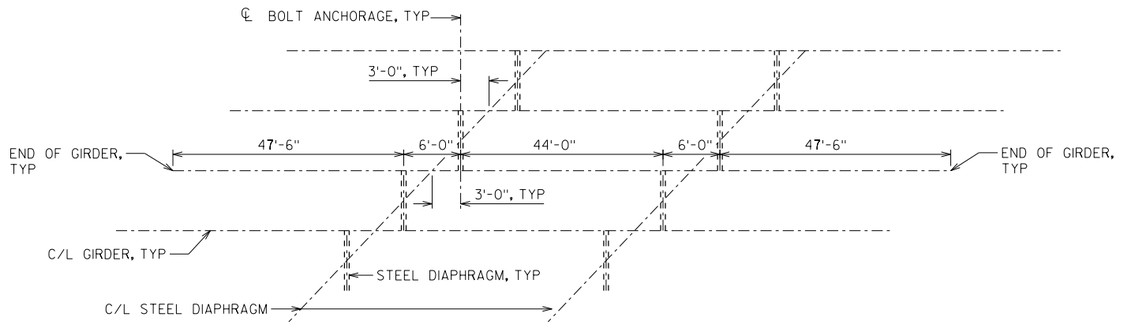
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-713", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

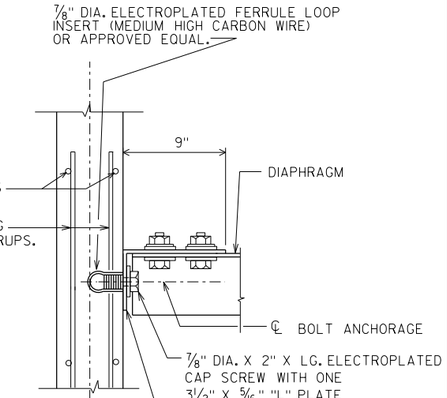
ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS 1/4 TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

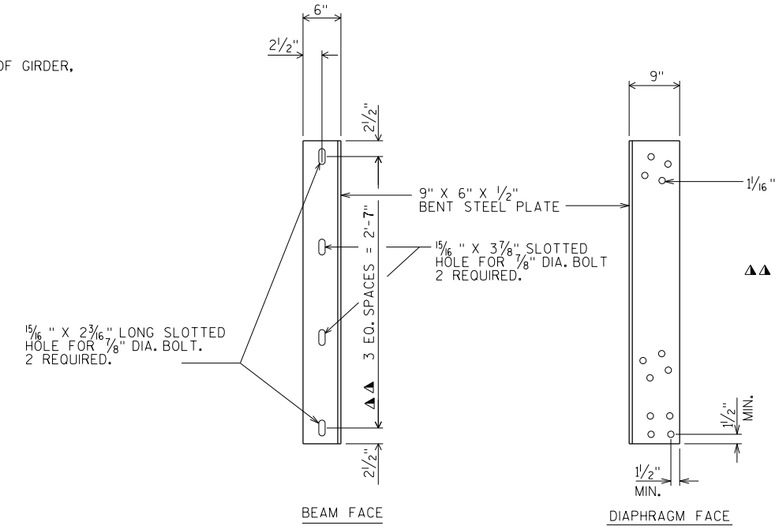


PARTIAL PLAN
DIAPHRAGM INSERT SPACING



SECT. A-A
(FOR EXTERIOR ATTACHMENT)

"L" = 3 1/2"; TOP AND BOTTOM BOLTS
"L" = 7"; CENTER BOLTS



▲▲ BOLT HOLES SHALL BE SPACED SO AS TO MISS PRESTRESSED STRANDS IN CONCRETE BEAMS.

DIAPHRAGM SUPPORT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

STEEL DIAPHRAGM DETAILS

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1-17
GSTDIA70

PLOT TIME: 7:03:38 AM
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FILE NAME : S:\AE\D\Done\125226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-713\dgn\b1313_gstdia70.dgn

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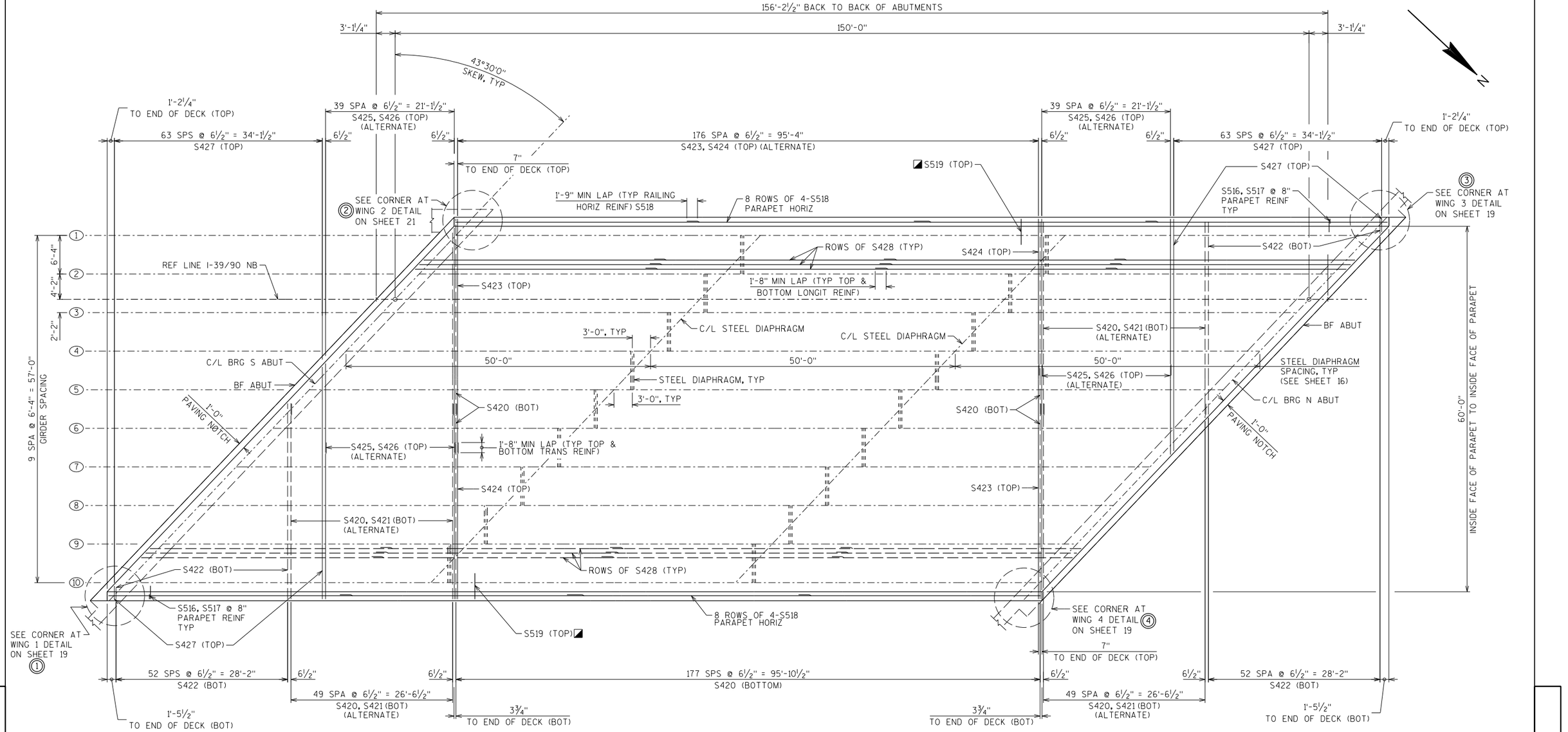
STATE PROJECT NUMBER
1007-11-71



DECK PLAN

(SHOWING REINFORCEMENT)

LEGEND

◪ PLACE S519 @ 6½" BETWEEN EVERY TRANSVERSE BAR IN THE TOP MAT.

◯ INDICATES NEW GIRDER LINE.

——————— INDICATES TOP BAR REINFORCEMENT

– – – – – – – INDICATES BOTTOM BAR REINFORCEMENT

FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE
EXIST = EXISTING
BOT = BOTTOM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

SUPERSTRUCTURE

SHEET 17 OF 31

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PLOT DATE: 7/19/2017 PLOT TIME: 7:03:38 AM

FILE NAME : S:\AE\D\Donel\25226\5-final-dgn\5l-drawings\20-Struct\BRIDGE\b-13-713\dgn\b13713ssl.dgn

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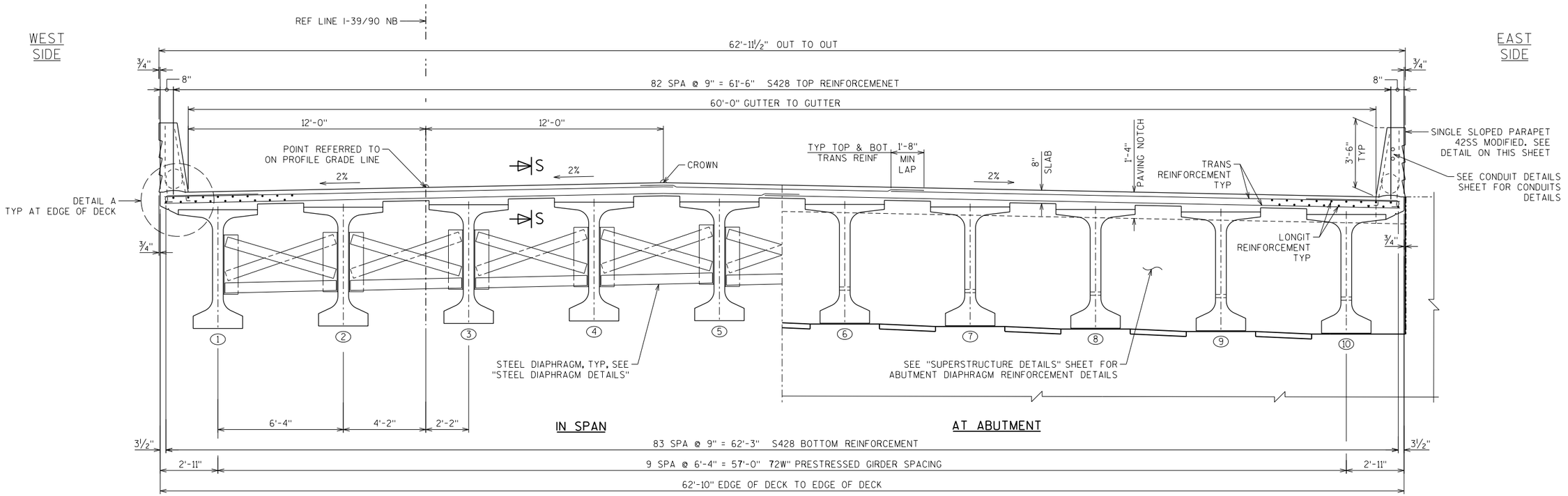
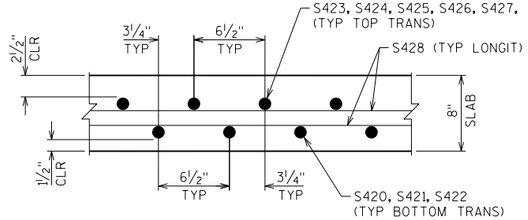
STATE PROJECT NUMBER

1007-11-71

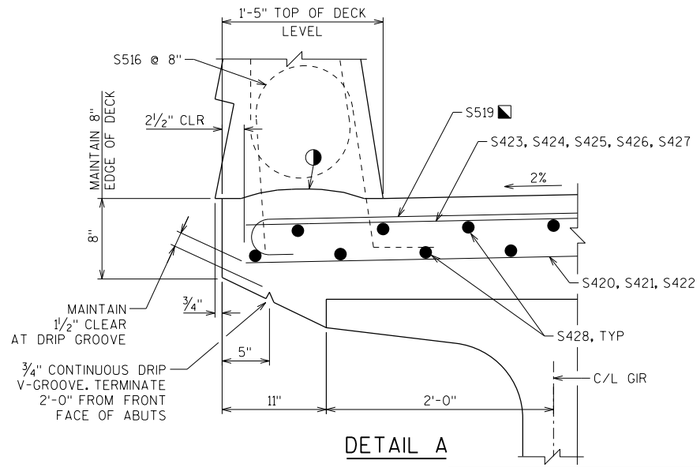


TYPICAL CROSS SECTIN THRU DECK

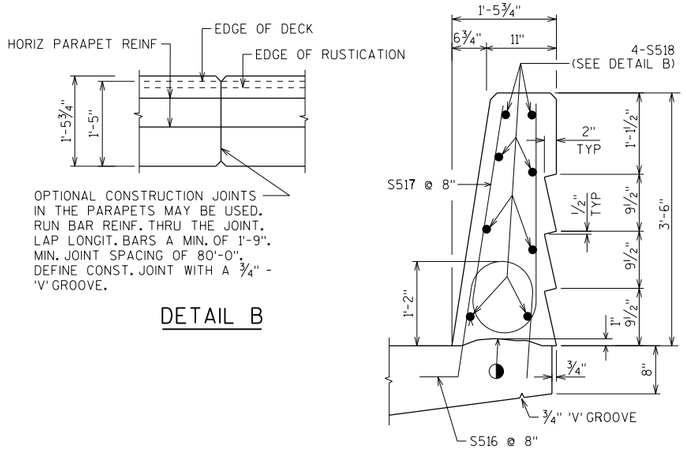
(LOOKING NORTH)



SECTION S-S



DETAIL A



SECTION THRU PARAPET ON BRIDGE
(SINGLE SLOPE PARAPET 42SS MODIFIED)

LEGEND

- PLACE S519 @ 6½" BETWEEN EVERY TRANSVERSE BAR IN THE TOP MAT.
- CONSTRUCTION JOINT. STRIKE OFF AS SHOWN.
- INDICATES NEW GIRDER LINE.

FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE
EXIST = EXISTING
BOT = BOTTOM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

SUPERSTRUCTURE CROSS SECTION

SHEET 18 OF 31

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8

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PLOT TIME: 7:03:39 AM

PLOT DATE: 7/19/2017

FILE NAME : S:\AE\D\Danel\125226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-713\dgn\b13713ss2.dgn

STATE PROJECT NUMBER
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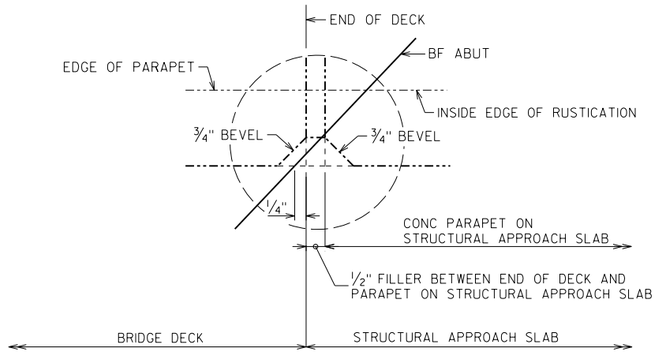
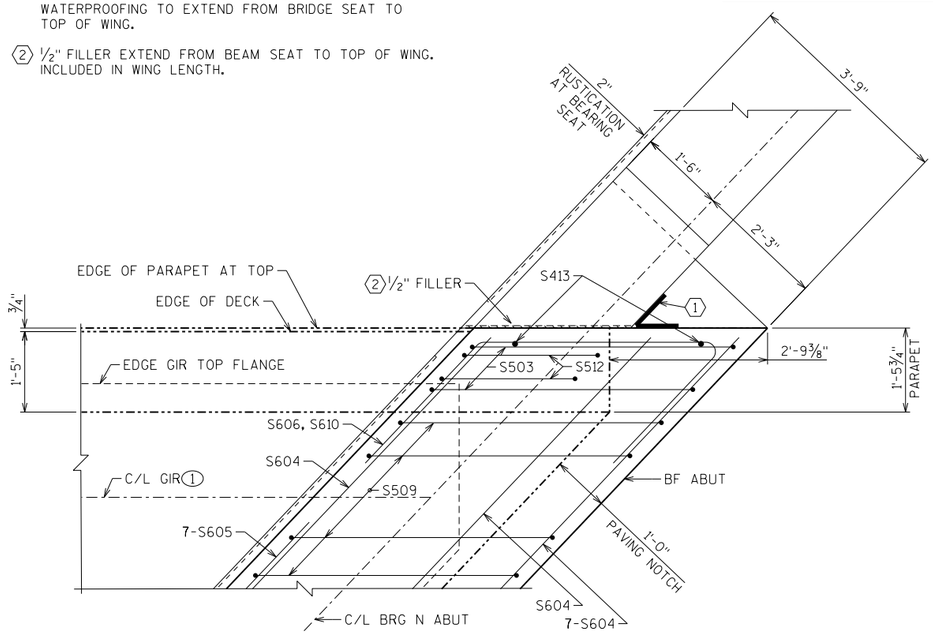
LEGEND

(1) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZ & VERT JOINTS ON BACKFACE. VERTICAL WATERPROOFING TO EXTEND FROM BRIDGE SEAT TO TOP OF WING.

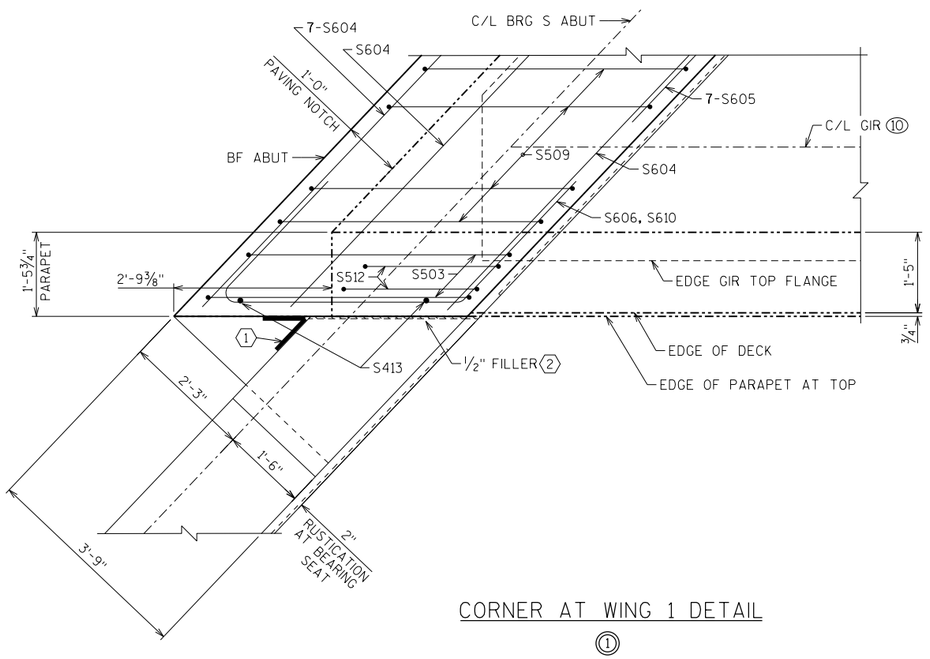
(2) ½" FILLER EXTEND FROM BEAM SEAT TO TOP OF WING. INCLUDED IN WING LENGTH.



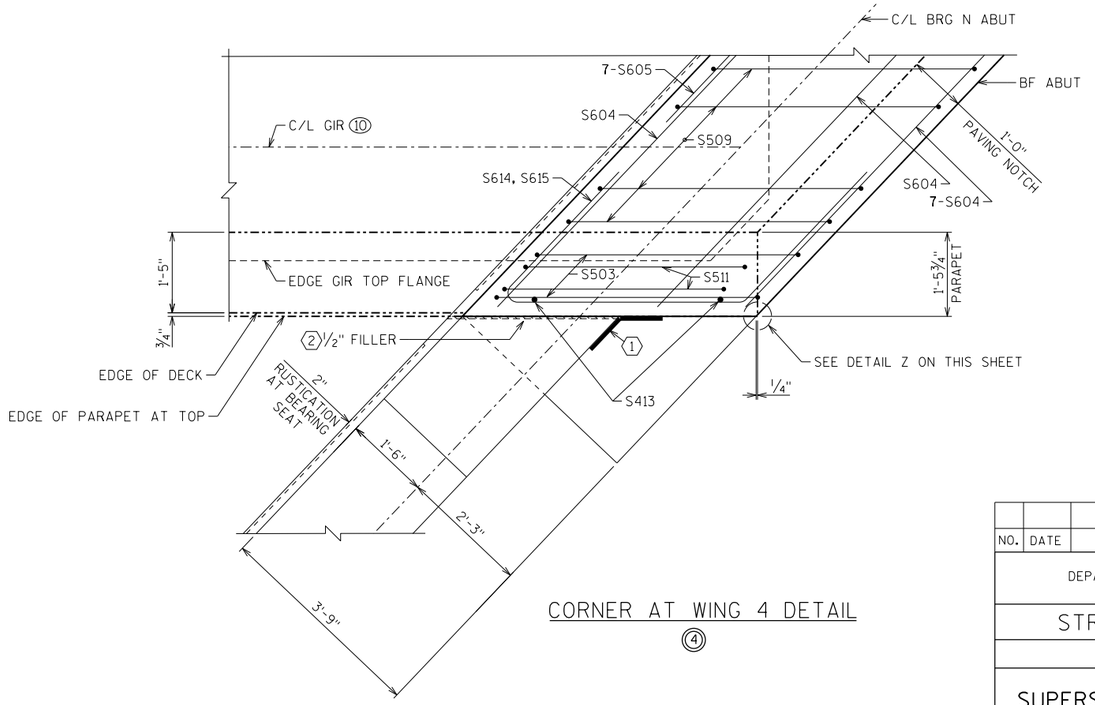
DETAIL Z



CORNER AT WING 3 DETAIL
③



CORNER AT WING 1 DETAIL
①



CORNER AT WING 4 DETAIL
④

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

SUPERSTRUCTURE CORNER DETAILS

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PLOT DATE: 7/19/2017 PLOT TIME: 7:03:39 AM

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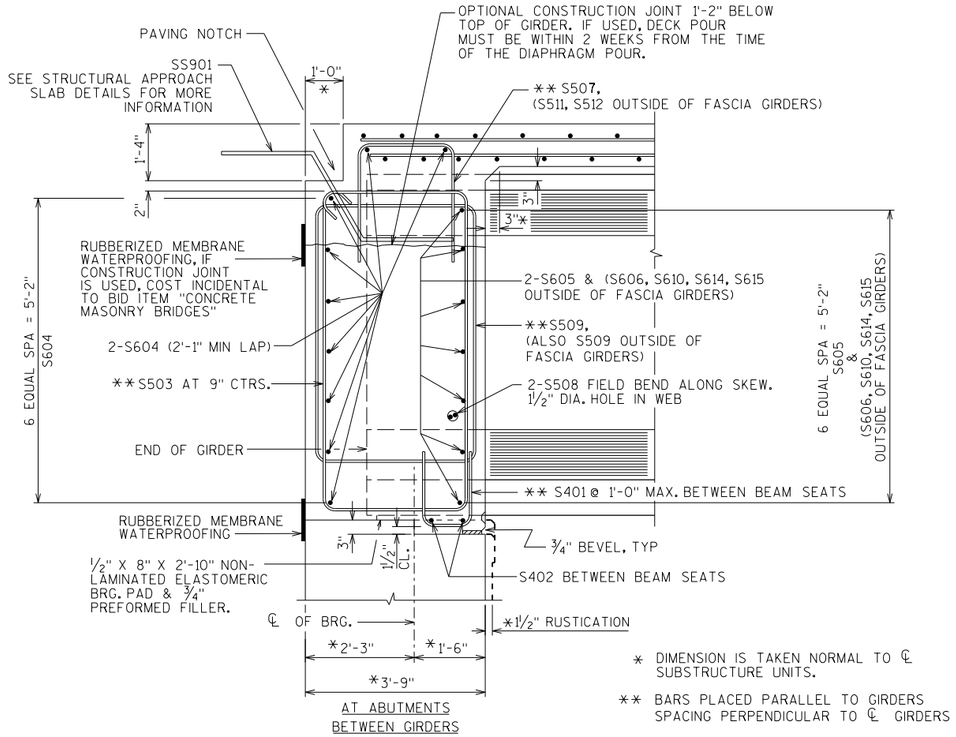
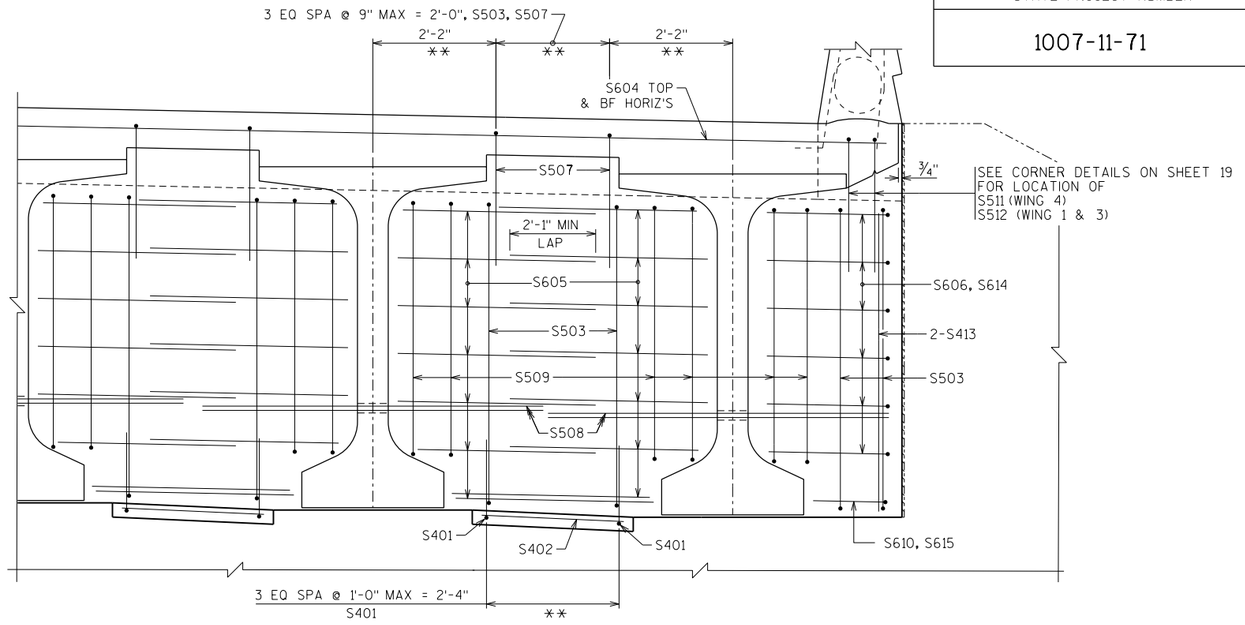


* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

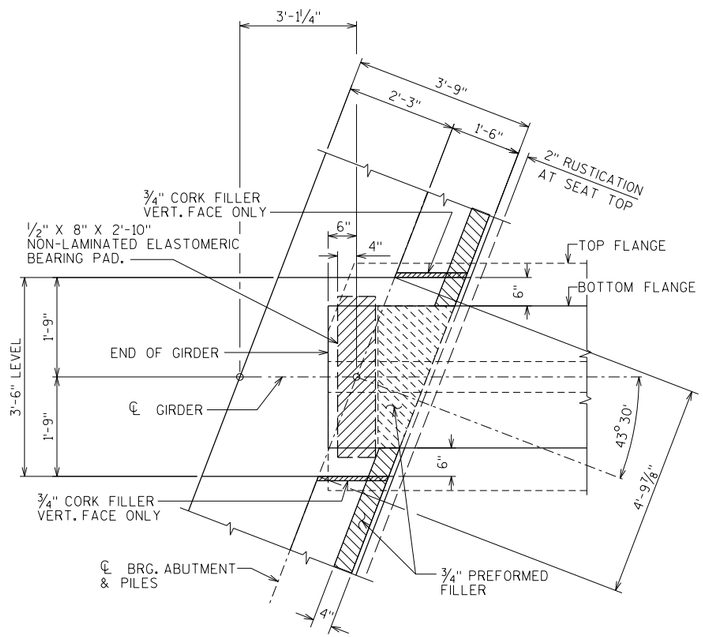
** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS

PART LONGIT. SECTION



PARTIAL TRANSVERSE SECTION AT ABUTMENT DIAPHRAGM - AT WING 1, 3 & 4

(DECK REINFORCEMENT NOT SHOWN FOR CLARITY)
(S604 BF HORIZ NOT SHOWN FOR CLARITY)



BEARING PAD DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

SUPERSTRUCTURE DETAILS

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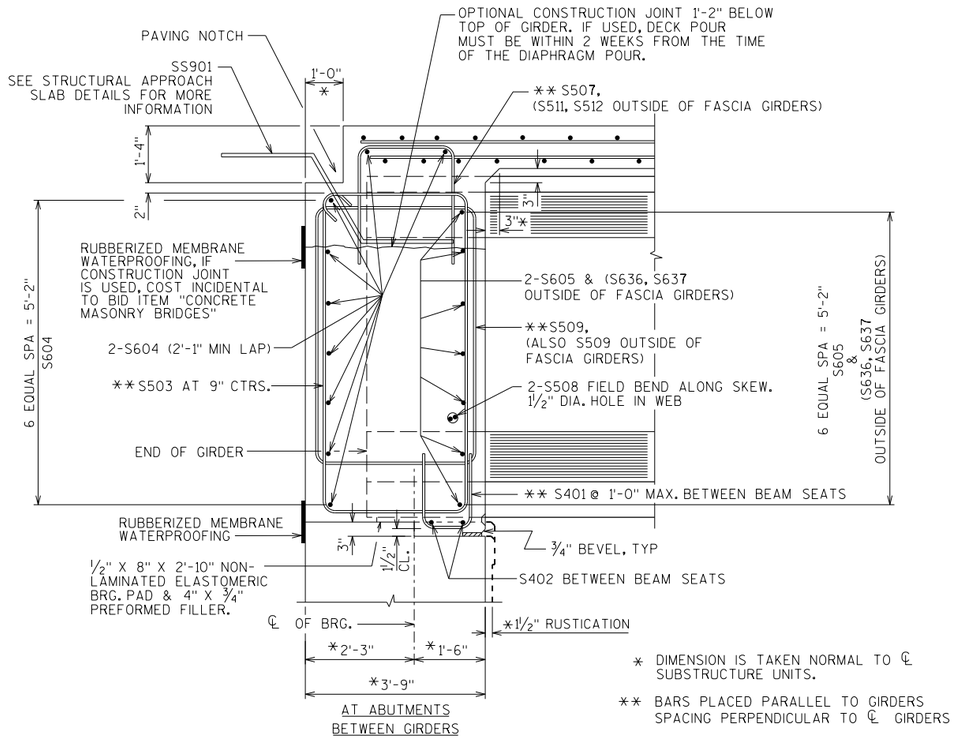
G72WDET
1-13

PLOT TIME: 7:03:39 AM
PLOT DATE: 7/19/2017
FILE NAME : S:\AE\D\Donel\25226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-713\dgn\b13713ss3.dgn

STATE PROJECT NUMBER

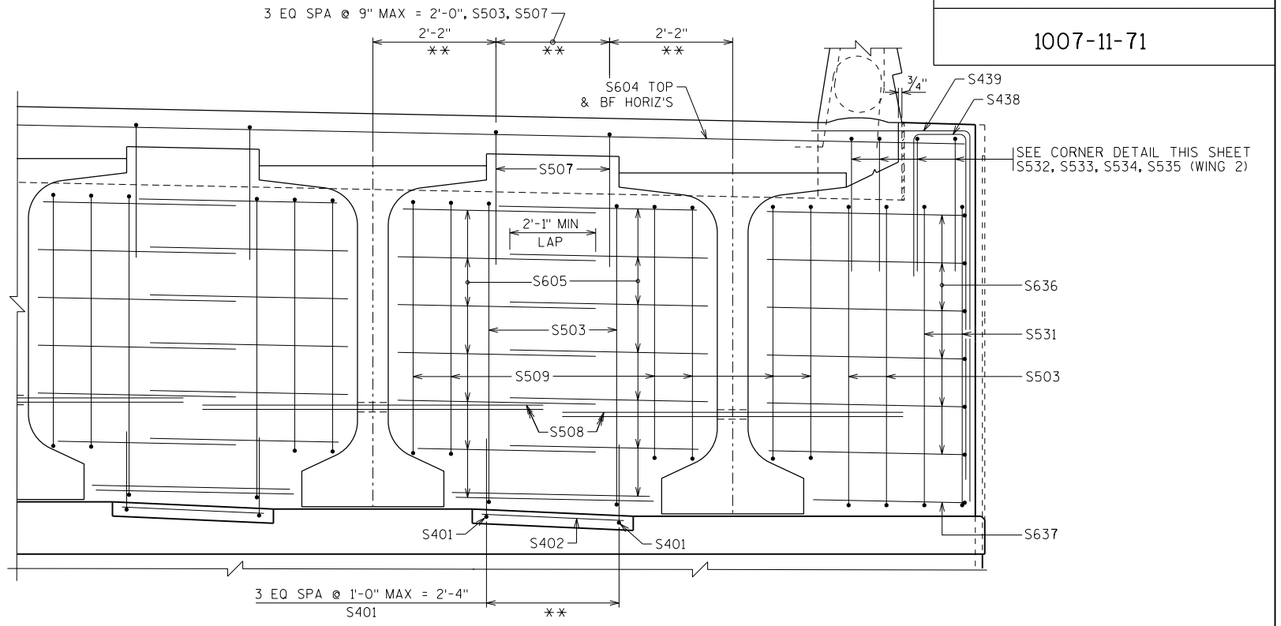
1007-11-71



PART LONGIT. SECTION

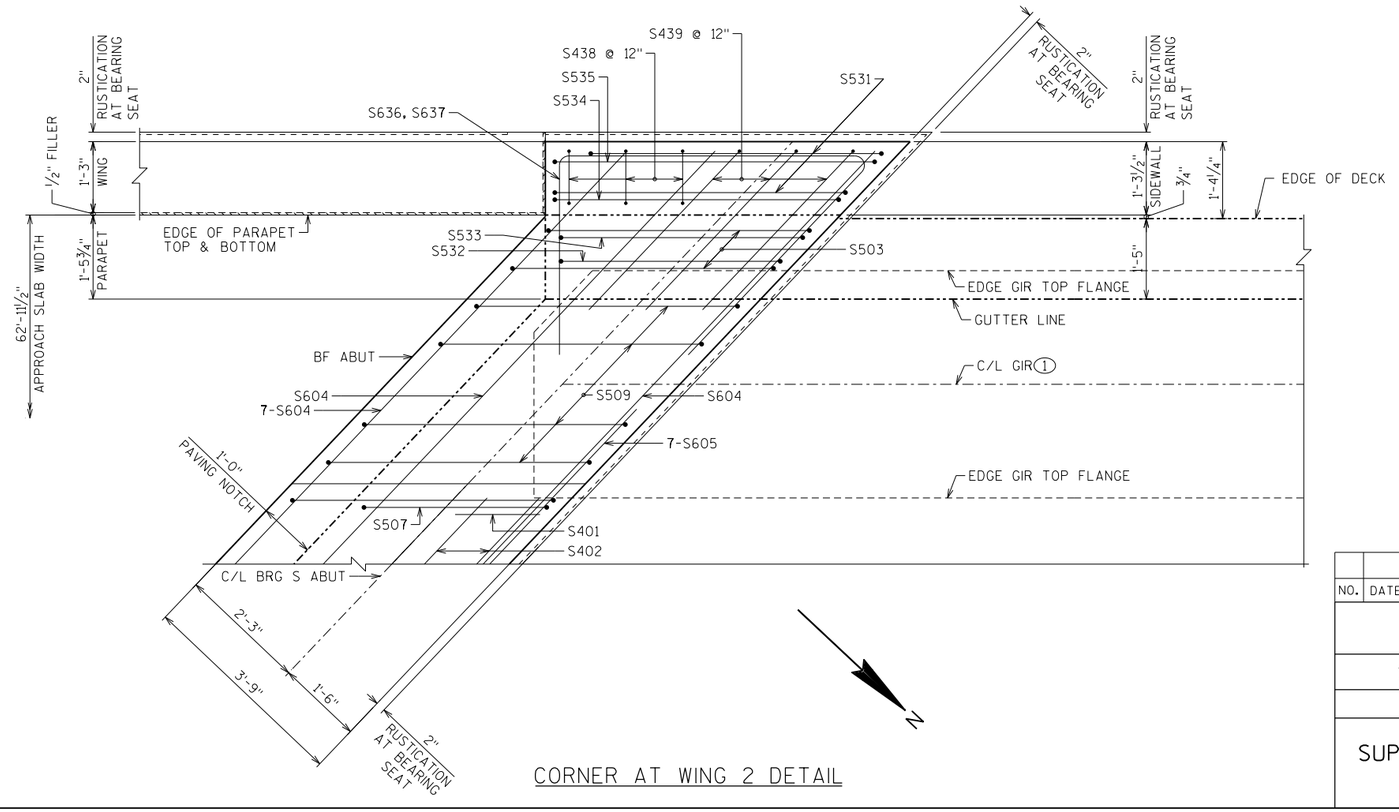
* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS



PARTIAL TRANSVERSE SECTION AT ABUTMENT DIAPHRAGM - AT WING 2

(DECK REINFORCEMENT NOT SHOWN FOR CLARITY)
(S604 BF HORIZ NOT SHOWN FOR CLARITY)



CORNER AT WING 2 DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

SUPERSTRUCTURE DETAILS

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G72WDET
1-13

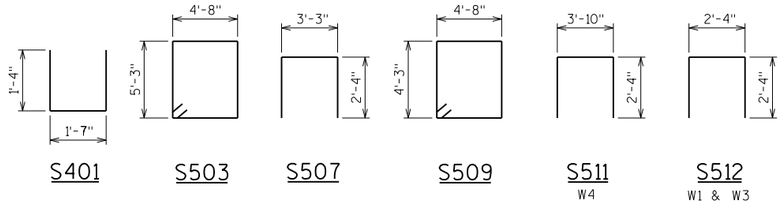
PLOT TIME: 7:03:40 AM
PLOT DATE: 7/19/2017
FILE NAME : S:\AE\D\Done\N25226\S-final-dgn\S1-drawings\20-Struct\BRIDGE\b-13-713\dgn\b1313ss3wing2.dgn

1 2 3 4 8 11 8

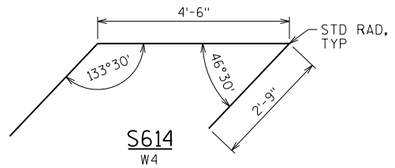
NOTE: THE FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE ENGLISH BAR DIAMETER SIZE.

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

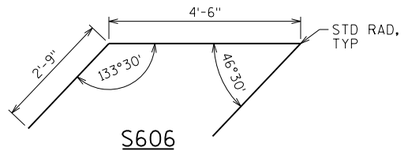
▲LENGTH SHOWN IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE AND BENDING DETAILS FOR ACTUAL LENGTHS.



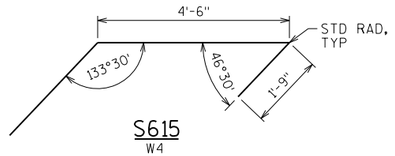
S401 S503 S507 S509 S511 (W4) S512 (W1 & W3)



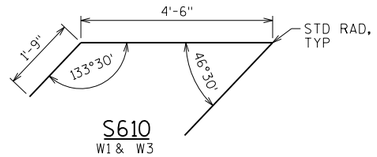
S614 (W4)



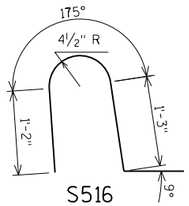
S606 (W1 & W3)



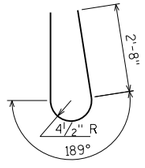
S615 (W4)



S610 (W1 & W3)



S516



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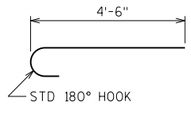
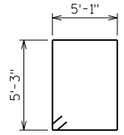
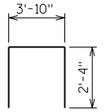


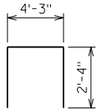
S519



S531 (W2)



S532 (W2)



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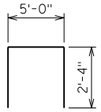

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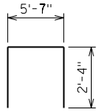
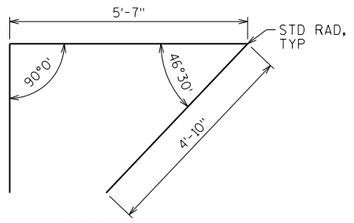


S535 (W2)



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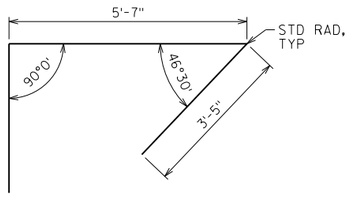

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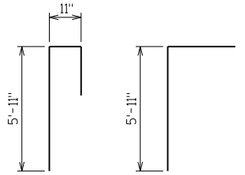

S438 (W2) S439 (W2)

BILL OF BARS — SUPERSTRUCTURE

BAR MARK	COAT	NO. REQ'D.	LENGTH (FT-IN)	BAR SERIES	BENT	LOCATION
S401	X	72	4 - 1		X	ABUT DIAPH VERT KEY
S402	X	36	3 - 3			ABUT DIAPH HORIZ KEY
S503	X	80	20 - 6		X	ABUT DIAPH STIRRUP
S604	X	36	45 - 3			ABUT DIAPH HORIZ
S605	X	252	4 - 10			ABUT DIAPH HORIZ BETW GIRS FF
S606	X	12	9 - 11		X	ABUT DIAPH HORIZ AT WING 1& 3
S507	X	72	7 - 8		X	ABUT DIAPH VERT
S508	X	40	6 - 0			ABUT DIAPH HORIIZ THRU GIRS
S509	X	80	18 - 8		X	ABUT DIAPH STIRRUP
S610	X	2	8 - 11		X	ABUT DIAPH HORIZ AT WING 1& 3
S511	X	2	8 - 3		X	ABUT DIAPH VERT AT WING 4
S512	X	4	6 - 9		X	ABUT DIAPH VERT AT WING 1 & 3
S413	X	6	5 - 4			ABUT DIAPH VERT AT EXT GIRS
S614	X	6	9 - 11		X	ABUT DIAPH HORIZ AT WING 4
S615	X	1	8 - 11		X	ABUT DIAPH HORIZ AT WING 4
S516	X	460	4 - 5		X	PARAPET VERT
S517	X	460	6 - 8		X	PARAPET VERT
S518	X	64	39 - 8			PARAPET HORIZ
S519	X	560	5 - 2		X	SLAB TRANS TOP AT OVERHANGS
S420	X	456	32 - 2			SLAB TRANS BOTTOM
S421	X	100	16 - 4	▲		SLAB TRANS BOTTOM
S422	X	106	17 - 3	▲		SLAB TRANS BOTTOM
S423	X	177	38 - 5			SLAB TRANS TOP
S424	X	177	25 - 9			SLAB TRANS TOP
S425	X	80	25 - 10			SLAB TRANS TOP
S426	X	80	25 - 10	▲		SLAB TRANS TOP
S427	X	128	20 - 2	▲		SLAB TRANS TOP
S428	X	668	39 - 8			SLAB LONGIT TOP AND BOTTOM
NOT USED						
NOT USED						
S531	X	2	21 - 4		X	ABUT DIAPH STIRRUP (WING 2)
S532	X	1	8 - 3		X	ABUT DIAPH VERT (WING 2)
S533	X	1	8 - 8		X	ABUT DIAPH VERT (WING 2)
S534	X	1	9 - 5		X	ABUT DIAPH VERT (WING 2)
S535	X	1	10 - 0		X	ABUT DIAPH VERT (WING 2)
S636	X	6	13 - 7		X	ABUT DIAPH HORIZ (WING 2)
S637	X	1	12 - 2		X	ABUT DIAPH HORIZ (WING 2)
S438	X	3	9 - 0		X	ABUT DIAPH VERT (WING 2) SIDEWALL
S439	X	3	9 - 11		X	ABUT DIAPH VERT (WING 2) SIDEWALL

BAR SERIES TABLE — SUPERSTRUCTURE

BAR MARK	NO. REQ'D.	LENGTH	BENT	LOCATION
S421	2 SERIES OF 50	2'-4" TO 30'-4"		SLAB TRANS BOT
S422	2 SERIES OF 53	2'-4" TO 32'-2"		SLAB TRANS BOT
S426	2 SERIES OF 40	14'-8" TO 36'-11"		SLAB TRANS TOP
S427	2 SERIES OF 64	2'-2" TO 38'-2"		SLAB TRANS TOP

BUNDLE AND TAG EACH SERIES SEPARATELY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

SUPERSTRUCTURE DETAILS

SHEET 22 OF 31

442

PLOT TIME: 7:03:40 AM
PLOT DATE: 7/19/2017
FILE NAME : S:\AE\D\Danel\25226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-713\dgn\b13713ss6.dgn

STATE PROJECT NUMBER
1007-11-71

FINAL TOP OF DECK ELEVATIONS - B-13-713

	C/L BRG S ABUT	0.1 PT	0.2 PT	0.3 PT	0.4 PT	0.5 PT	0.6 PT	0.7 PT	0.8 PT	0.9 PT	C/L BRG N ABUT
WEST EDGE OF DECK	987.44	987.51	987.58	987.66	987.73	987.81	987.88	987.96	988.03	988.11	988.18
GIRDER 1	987.46	987.53	987.61	987.68	987.75	987.83	987.90	987.98	988.05	988.13	988.20
GIRDER 2	987.56	987.63	987.70	987.78	987.85	987.93	988.00	988.08	988.15	988.23	988.30
PROFILE GRADE LINE REF LINE I-39/90 NB	987.62	987.69	987.77	987.84	987.91	987.99	988.06	988.14	988.21	988.29	988.36
GIRDER 3	987.65	987.73	987.80	987.87	987.95	988.02	988.10	988.17	988.25	988.32	988.40
GIRDER 4	987.75	987.82	987.90	987.97	988.04	988.12	988.19	988.27	988.34	988.42	988.49
GIRDER 5	987.74	987.81	987.88	987.95	988.03	988.10	988.18	988.25	988.33	988.40	988.48
GIRDER 6	987.58	987.65	987.72	987.80	987.87	987.95	988.02	988.10	988.17	988.25	988.32
GIRDER 7	987.42	987.50	987.57	987.64	987.72	987.79	987.86	987.94	988.01	988.09	988.16
GIRDER 8	987.27	987.34	987.41	987.49	987.56	987.63	987.71	987.78	987.86	987.93	988.01
GIRDER 9	987.11	987.19	987.26	987.33	987.40	987.48	987.55	987.63	987.70	987.77	987.85
GIRDER 10	986.96	987.03	987.10	987.17	987.25	987.32	987.39	987.47	987.54	987.62	987.69
EAST EDGE OF DECK	986.92	986.99	987.06	987.14	987.21	987.28	987.36	987.43	987.51	987.58	987.66

PLOT DATE: 7/19/2017 PLOT TIME: 7:03:40 AM

FILE NAME : S:\AE\D\Done\25226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-713\dgn\b13713ss7.dgn

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

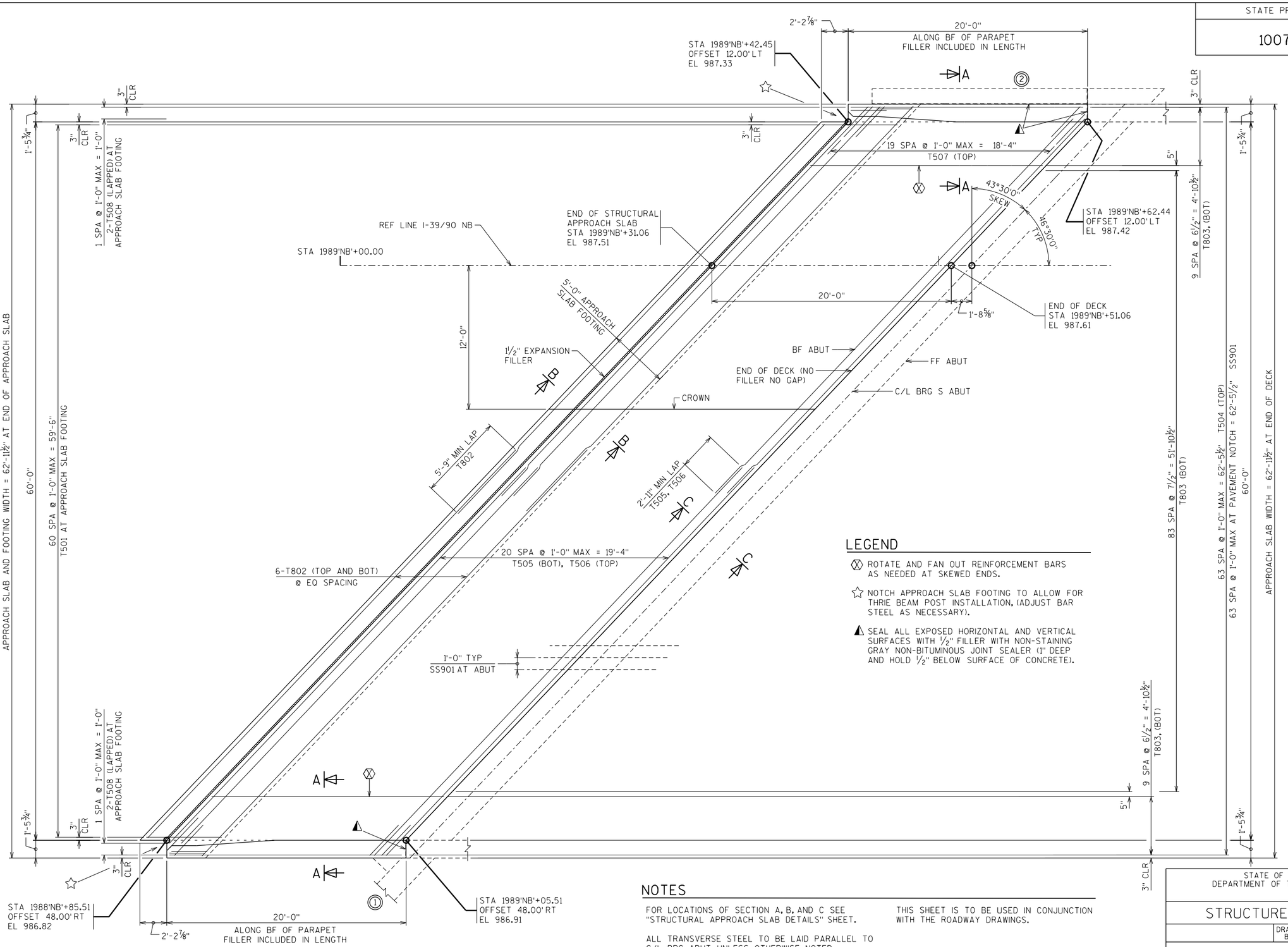
DRAWN BY DLF | PLANS CK'D. NCK

SUPERSTRUCTURE DECK ELEVATION TABLE

SHEET 23 OF 31

STATE PROJECT NUMBER

1007-11-71



PLAN

LEGEND

- ⊗ ROTATE AND FAN OUT REINFORCEMENT BARS AS NEEDED AT SKEWED ENDS.
- ☆ NOTCH APPROACH SLAB FOOTING TO ALLOW FOR THRIE BEAM POST INSTALLATION, (ADJUST BAR STEEL AS NECESSARY).
- ◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES WITH ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD ½" BELOW SURFACE OF CONCRETE).

NOTES

FOR LOCATIONS OF SECTION A, B, AND C SEE "STRUCTURAL APPROACH SLAB DETAILS" SHEET.

ALL TRANSVERSE STEEL TO BE LAID PARALLEL TO C/L BRG ABUT UNLESS OTHERWISE NOTED.

ALL MEASUREMENTS ARE MADE PARALLEL OR PERPENDICULAR TO REFERENCE LINE UNLESS OTHERWISE NOTED.

THIS SHEET IS TO BE USED IN CONJUNCTION WITH THE ROADWAY DRAWINGS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

SOUTH STRUCTURAL APPROACH SLAB

SHEET 24 OF 31

444

PLOT DATE: 7/19/2017 PLOT TIME: 7:03:41 AM

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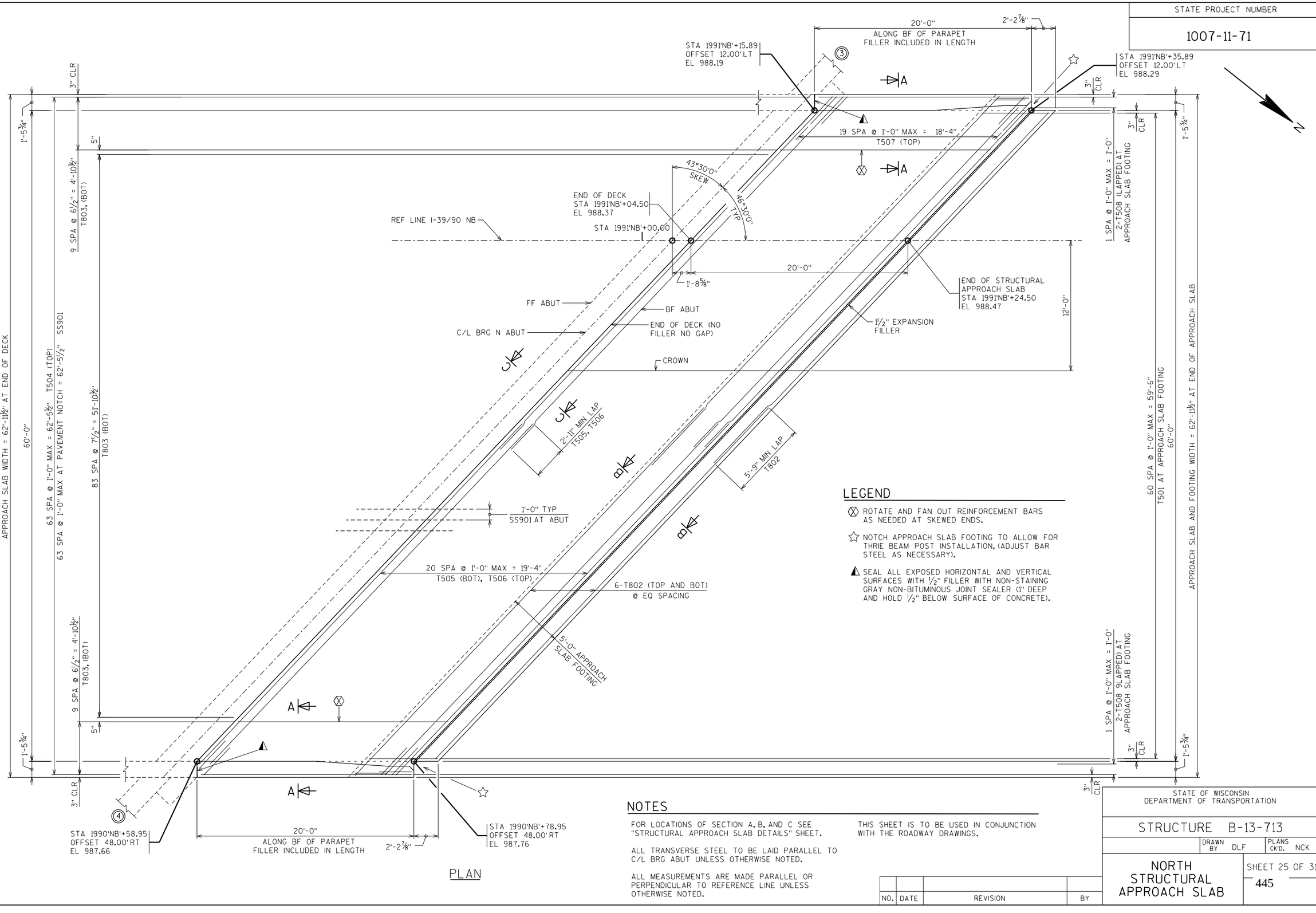
STATE PROJECT NUMBER

1007-11-71



PLAN

LEGEND

- ⊗ ROTATE AND FAN OUT REINFORCEMENT BARS AS NEEDED AT SKEWED ENDS.
- ☆ NOTCH APPROACH SLAB FOOTING TO ALLOW FOR THRIE BEAM POST INSTALLATION, (ADJUST BAR STEEL AS NECESSARY).
- ◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES WITH ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD ½" BELOW SURFACE OF CONCRETE).

NOTES

FOR LOCATIONS OF SECTION A, B, AND C SEE "STRUCTURAL APPROACH SLAB DETAILS" SHEET.

ALL TRANSVERSE STEEL TO BE LAID PARALLEL TO C/L BRG ABUT UNLESS OTHERWISE NOTED.

ALL MEASUREMENTS ARE MADE PARALLEL OR PERPENDICULAR TO REFERENCE LINE UNLESS OTHERWISE NOTED.

THIS SHEET IS TO BE USED IN CONJUNCTION WITH THE ROADWAY DRAWINGS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

NORTH STRUCTURAL APPROACH SLAB

SHEET 25 OF 31

445

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PLOT DATE: 7/19/2017 PLOT TIME: 7:03:41 AM

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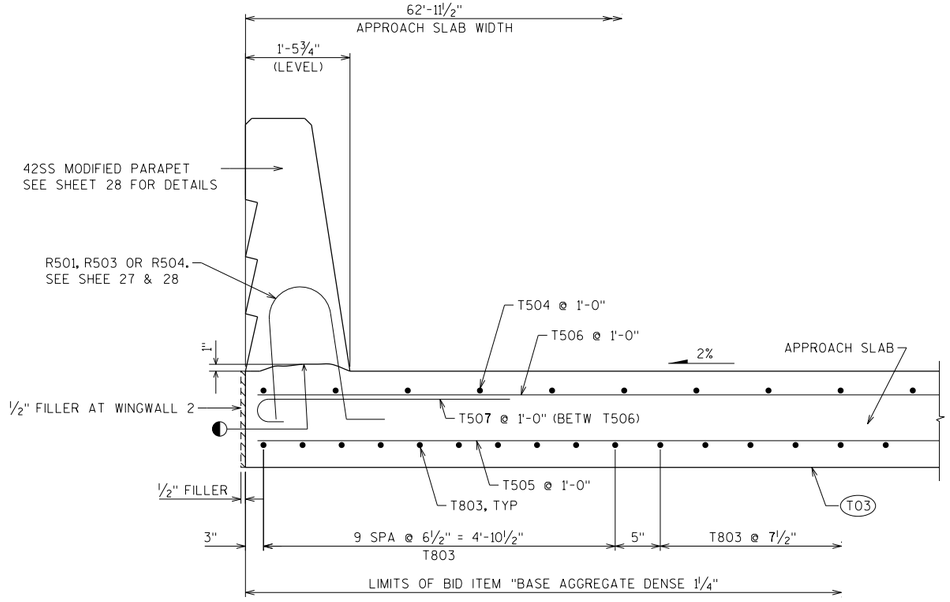
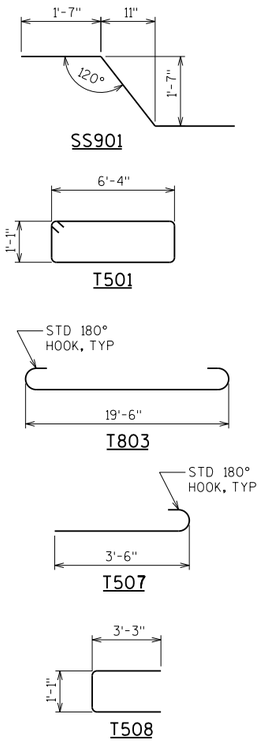


SECTION A

SEE SHEET 24 & 25



BILL OF BARS

FOR STRUCTURAL APPROACH SLAB

BAR MARK	COAT	SOUTH APPRO. SLAB	NORTH APPRO. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
▲ SS901	SS	64	64	5 - 0	X		ABUT DIAPH TO APPROACH SLAB
T501	X	61	61	16 - 0	X		FOOTING STIRRUP
T802	X	24	24	46 - 1			FOOTING TRANS
T803	X	104	104	21 - 4	X		LONGIT - BOTTOM
T504	X	64	64	19 - 6			LONGIT - TOP
T505	X	42	42	44 - 8			TRANS - BOTTOM
T506	X	42	42	44 - 8			TRANS - TOP
T507	X	40	40	4 - 1	X		TRANS - TOP
T508	X	8	8	7 - 4	X		STIRRUP AT BLOCKOUT

LEGEND

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN TOTAL THK) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN TOTAL THK) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

(T04) ¾" PREFORMED JOINT FILLER ACCORDING TO STD SPEC 502.2.7 (1'-6" WIDE x FTG LENGTH).

(T05) ¾" PREFORMED JOINT FILLER ACCORDING TO STD SPEC 502.2.7 (4" WIDE x PAVING NOTCH LENGTH).

(T06) APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH, AND VERTICAL SURFACE OF PARAPET PRIOR TO PLACING CONCRETE APPROACH SLAB.

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

▬ CONCRETE PAVEMENT APPROACH ROADWAY. SEE ROADWAY DRAWINGS FOR DETAILS.

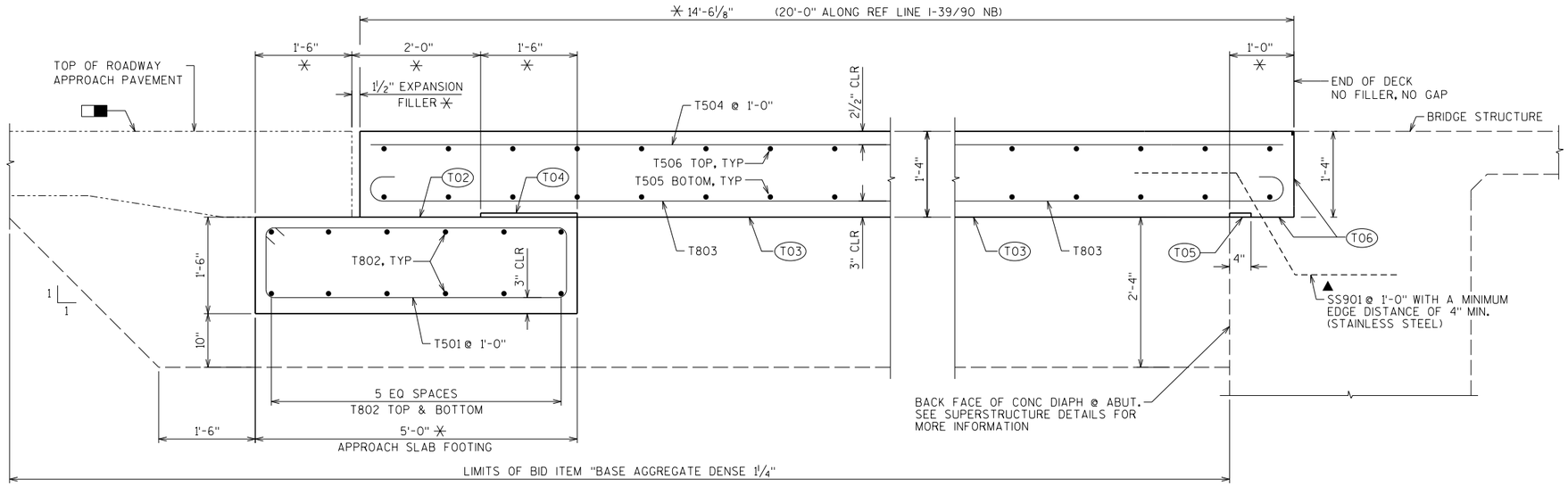
⚹ MEASURED NORMAL TO THE ABUTMENT.

▲ THE BID ITEM FOR SS901 BARS SHALL BE STANDARD SPECIAL PROVISION "BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES".

NOTES:

THIS SHEET IS TO BE USED IN CONJUNCTION WITH THE ROADWAY DRAWINGS.

PREFORMED JOINT FILLER AND POLYETHYLENE SHEETS ARE INCLUDED IN THE COST OF CONCRETE MASONRY BRIDGES AND HIGH PERFORMANCE CONCRETE (HPC) MASONRY BRIDGES.



SECTION B

SEE SHEET 24 & 25

SECTION THRU APPROACH SLAB

SECTION C

SEE SHEET 24 & 25

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

STRUCTURAL APPROACH SLAB DETAILS

SHEET 26 OF 31

446

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PLOT DATE: 7/19/2017 PLOT TIME: 7:03:41 AM

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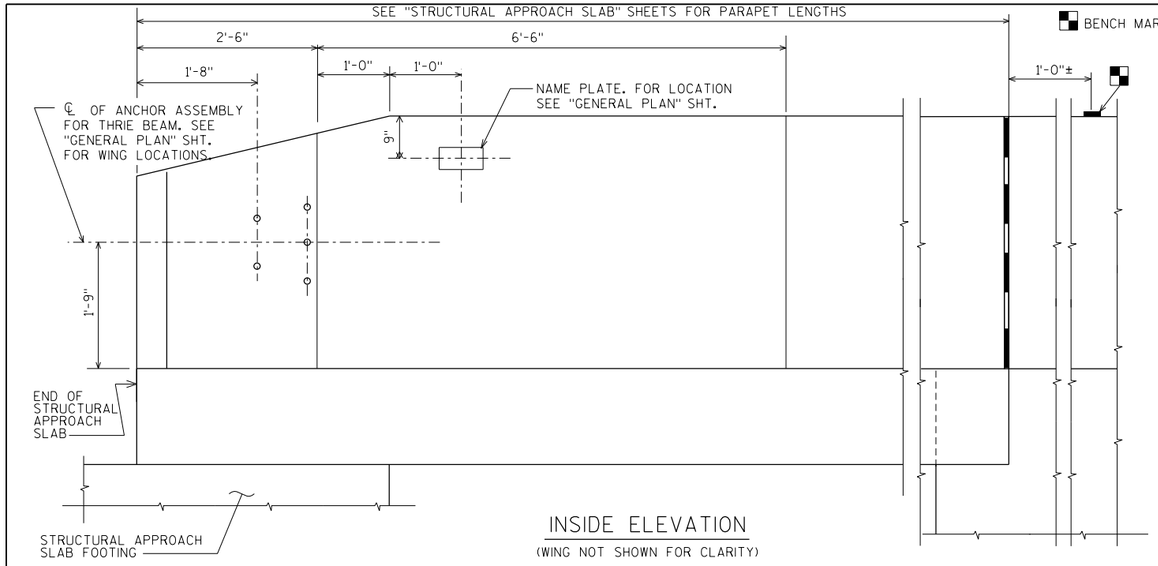
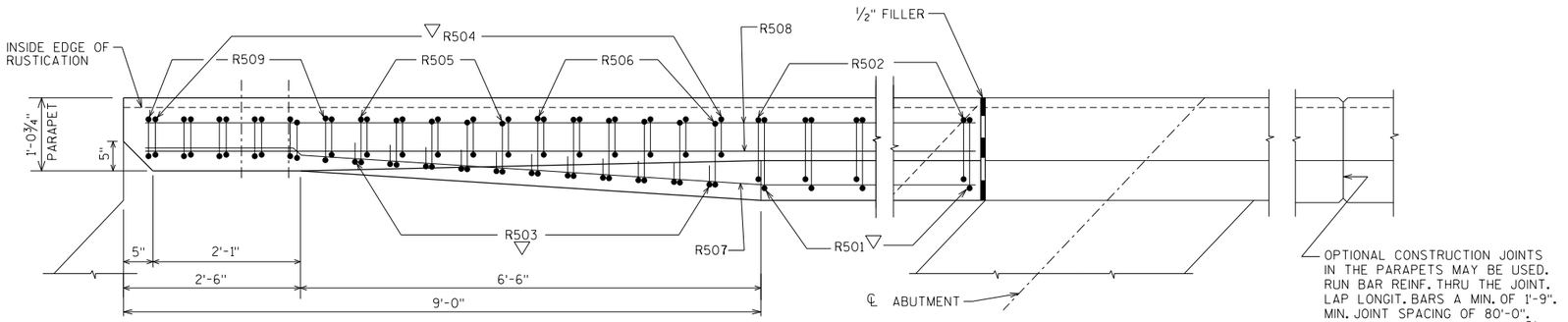
STATE PROJECT NUMBER
1007-11-71



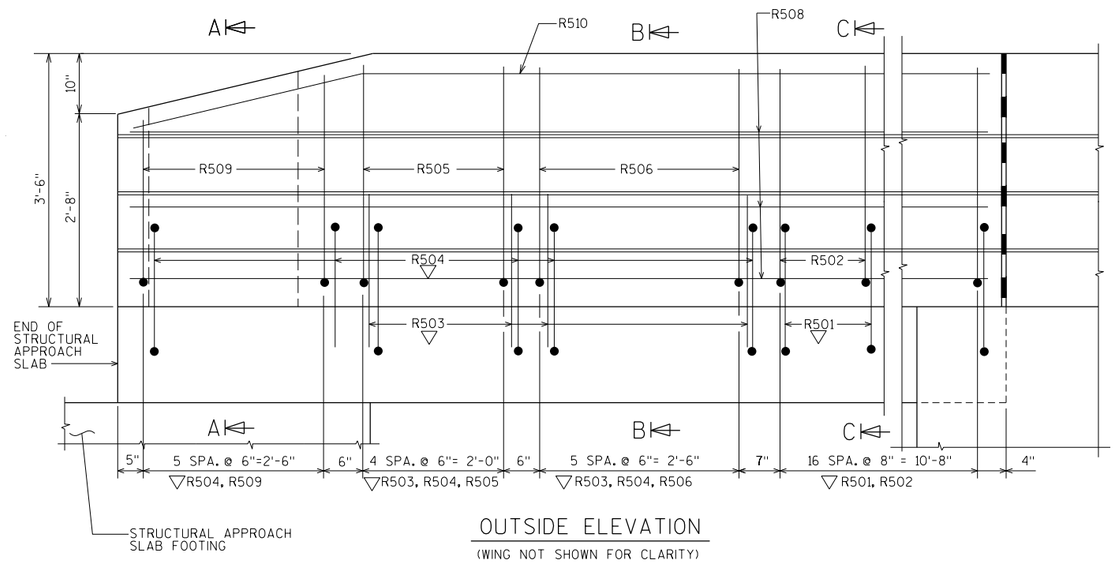
INSIDE ELEVATION

(WING NOT SHOWN FOR CLARITY)



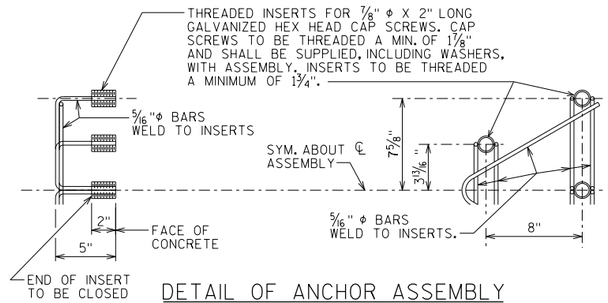
PLAN

(WING NOT SHOWN FOR CLARITY)



OUTSIDE ELEVATION

(WING NOT SHOWN FOR CLARITY)



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

NOTES:

SEE SHEET 28 FOR SECTION A, B, C & D.

▽ R501, R503 AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY	DLF	PLANS CK'D.	NCK

SINGLE SLOPE PARAPET 42SS MODIFIED, WITH STRUCTURAL APPROACH SLAB

SHEET 27 OF 31

447

SS42APP
1-16

8 14

1 2 3 4 7

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PLOT DATE: 7/19/2017 PLOT TIME: 7:03:42 AM
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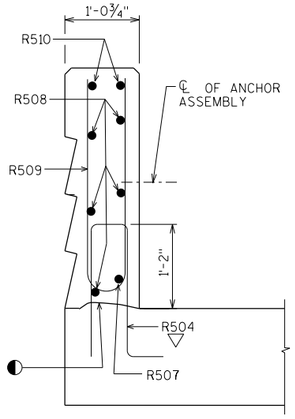
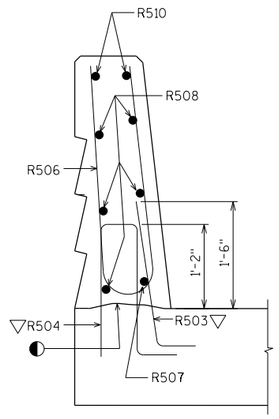
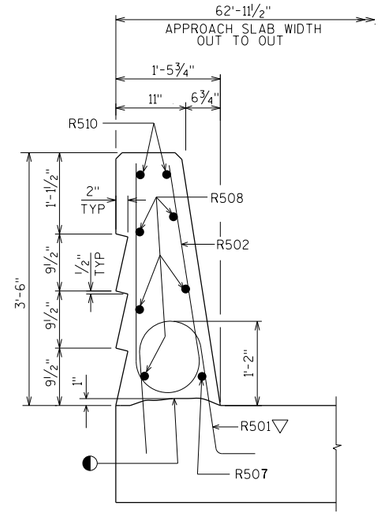


SECTION A
AT WING 1, 3, 4
FROM SHEET 27



SECTION B
AT WING 1, 3, 4
FROM SHEET 27



SECTION C
AT WING 1, 3, 4
FROM SHEET 27

STATE PROJECT NUMBER

1007-11-71

BILL OF BARS

FOR STRUCTURAL APPROACH SLAB PARAPETS

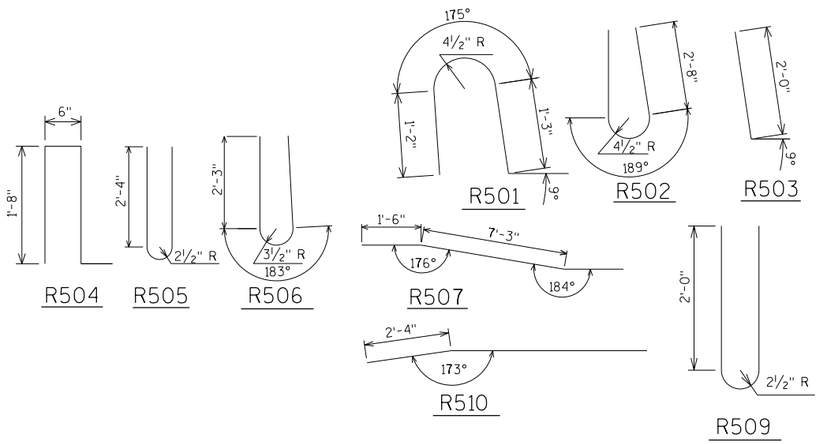
BAR MARK	COAT	SOUTH APPRO. SLAB	NORTH APPRO. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	34	34	4 - 5	X		PARAPET VERT
R502	X	34	34	6 - 8	X		PARAPET VERT
R503	X	22	22	2 - 9	X		PARAPET VERT
R504	X	34	34	4 - 4	X		PARAPET VERT
R505	X	10	10	6 - 5	X		PARAPET VERT
R506	X	12	12	6 - 6	X		PARAPET VERT
R507	X	2	2	19 - 6	X		PARAPET HORIZ
R508	X	10	10	19 - 6			PARAPET HORIZ
R509	X	12	12	5 - 5	X	◭	PARAPET VERT
R510	X	4	4	19 - 6	X		PARAPET HORIZ

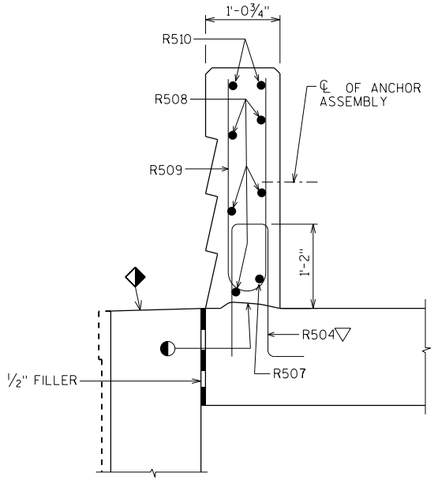
◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

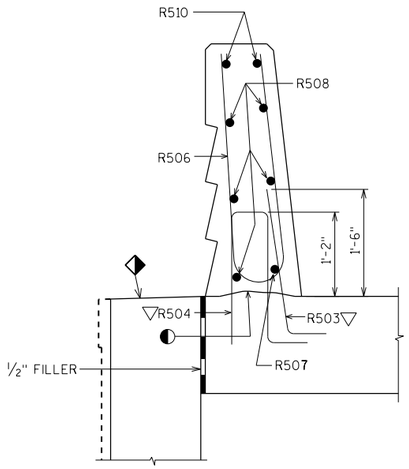
MARK	NO. REQD.	LENGTH
S509	4 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.

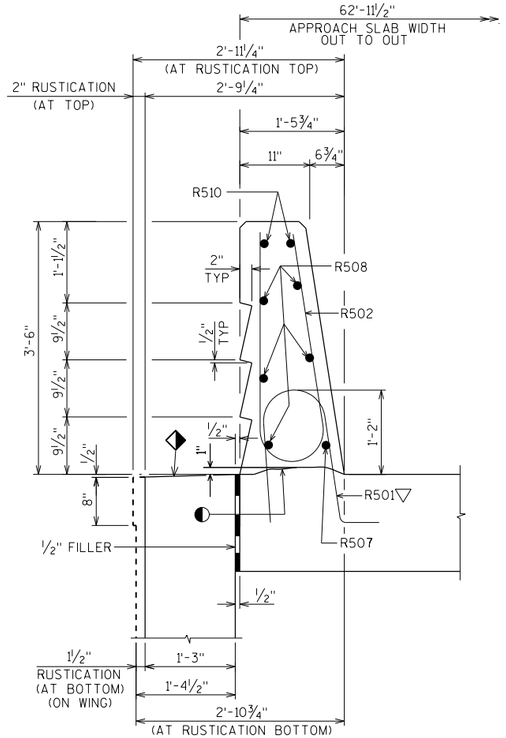




SECTION A
AT WING 2
FROM SHEET 27



SECTION B
AT WING 2
FROM SHEET 27



SECTION C
AT WING 2
FROM SHEET 27

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

◆ SLOPE FOR DRAINAGE

▽ R501, R503 AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

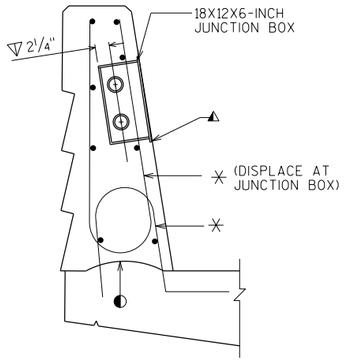
SINGLE SLOPE PARAPET 42SS MODIFIED, WITH STRUCTURAL APPROACH SLAB

SHEET 28 OF 31

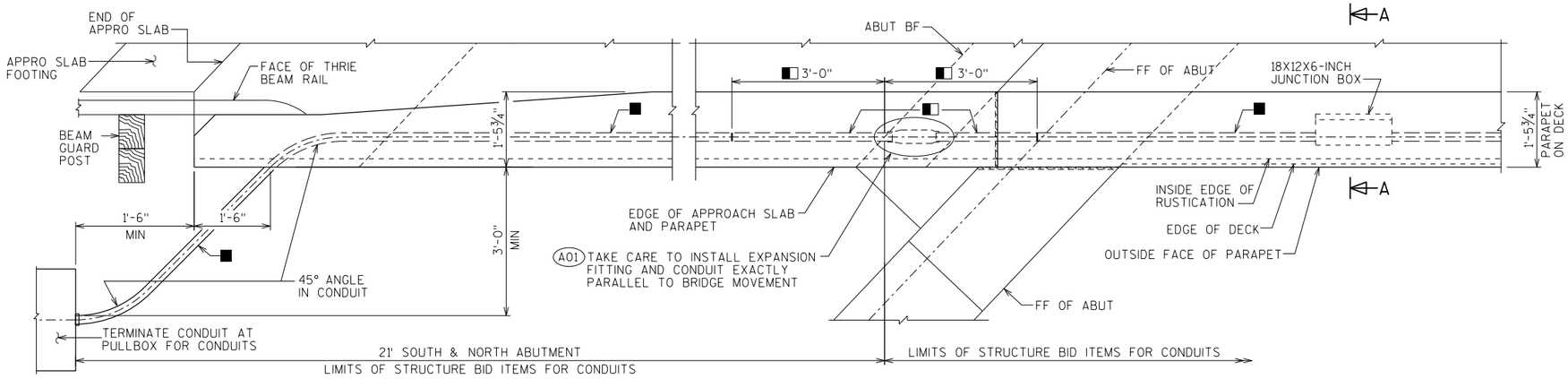
448

8

STATE PROJECT NUMBER
1007-11-71

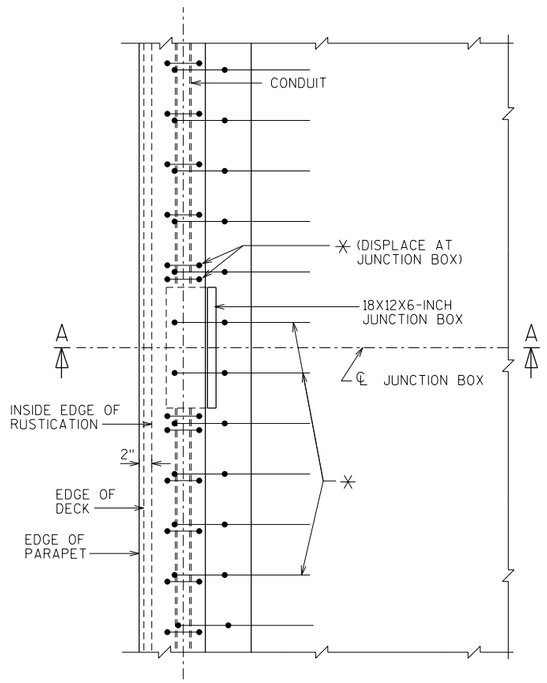


SECTION A-A

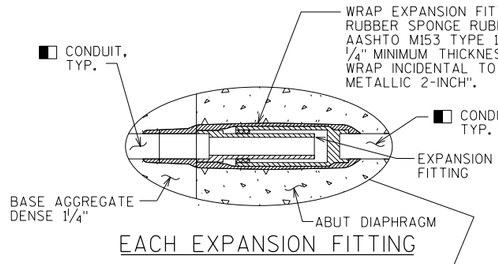


TYPICAL PLAN AT ABUTMENT SHOWING CONDUIT

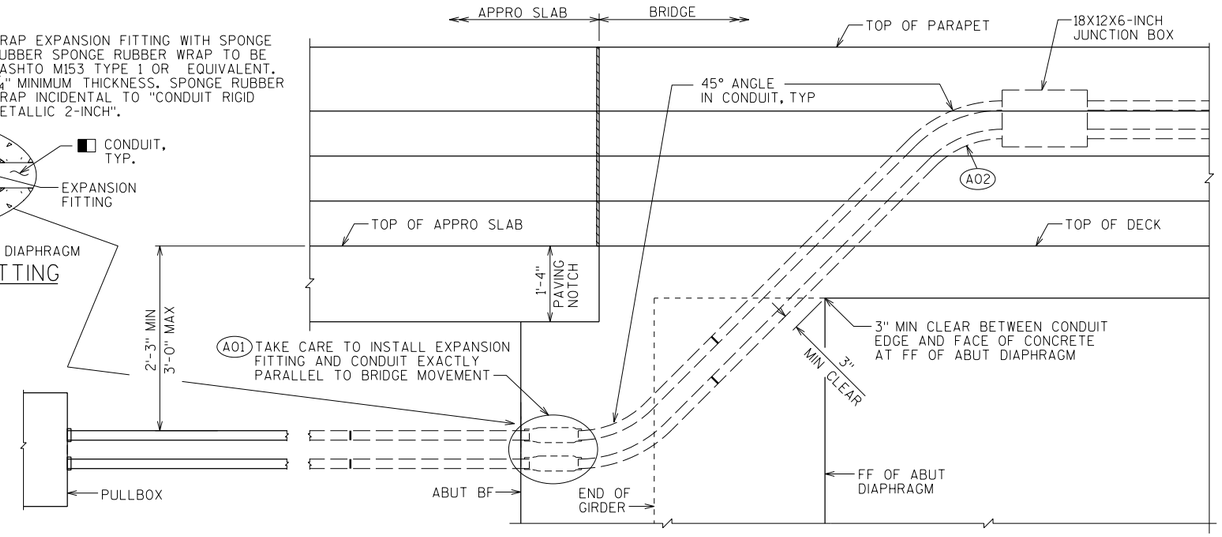
WING 1 SHOWN, WING 4 SIMILAR, SEE SHEET 1 FOR ORIENTATION OF SKEW



PLAN AT JUNCTION BOX



EACH EXPANSION FITTING



TYPICAL OUTSIDE ELEVATION AT ABUTMENT SHOWING CONDUIT

■ USE RIGID NONMETALLIC CONDUIT.

◧ USE RIGID METALLIC CONDUIT 3'-0" INTO PARAPET ON DECK AND WING SIDES OF THE JOINT OPENING.

◐ CONSTR. JT. STRIKE OFF AS SHOWN

◭ CUT OUT ± 1" OF GASKET AT BOTTOM OF JUNCTION BOX COVER TO ALLOW FOR DRAINAGE.

▽ LOCATION OF CONDUIT IS MEASURED FROM OUTSIDE EDGE OF JUNCTION BOX.

✳ SEE SUPERSTRUCTURE CROSS SECTION SHEET FOR ADDITIONAL BAR STEEL DETAILS.

NOTES

BID ITEMS SHALL BE:
"JUNCTION BOXES 18X12X6-INCH", EACH.
"CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH", LF
"CONDUIT RIGID METALLIC 2-INCH", LF

APPROVED MANUFACTURERS - JUNCTION BOXES:
SEE APPROVED MATERIAL LIST.

A01 APPROVED MANUFACTURER OR EQUIVALENT - EXPANSION FITTING:
O-Z/GEDNEY TYPE EX-200 WITH PBS-200-12S AND BONDING JUMPER
(10" TOTAL LONGITUDINAL CONDUIT MOVEMENT).

A02 EXPANSION FITTINGS, ANGLES AND ADAPTER FITTINGS TO BE INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".

WHEN CONNECTING NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS U.L. OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED.

USE EXPANSION FITTING AT EACH EXPANSION JOINT OR SEMI-EXPANSION JOINTS.

RUN CONDUIT STRAIGHT THROUGH (WITHOUT A FITTING) AT EACH FIXED JOINT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

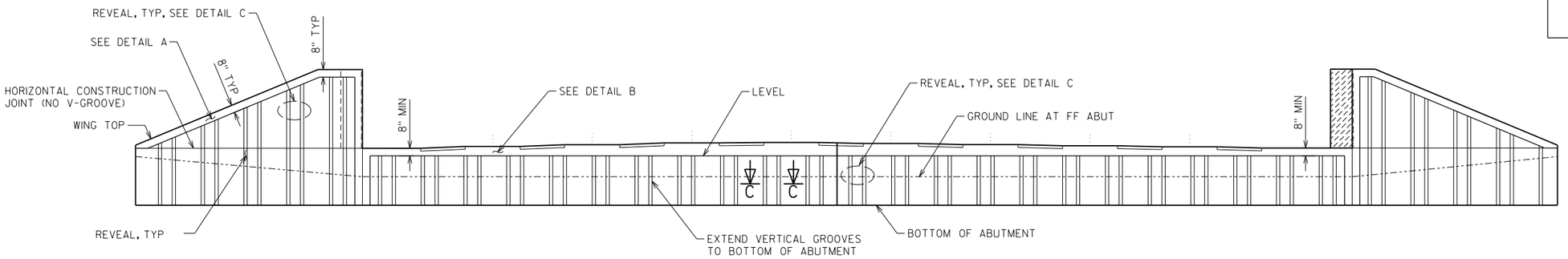
CONDUIT DETAILS

SHEET 29 OF 31
449

SS42ELEC
1-14

FILE NAME : S:\AE\D\Done\\25226\S-final-dgn\SI-drawings\20-Struct\BRIDGE\b-13-713\dgn\b1313_SS42ELEC.DGN
PLOT DATE: 7/19/2017
PLOT TIME: 7:03:42 AM

STATE PROJECT NUMBER
1007-11-71

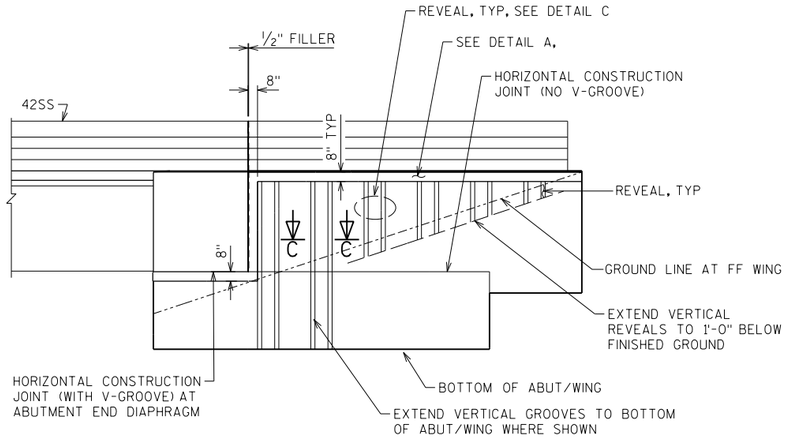


SHOWN AT WING 1 & 3

SHOWN AT WING 4

ELEVATION FOR TYPICAL ABUTMENT AND WINGWALL PARALLEL TO CENTERLINE OF ABUTMENT

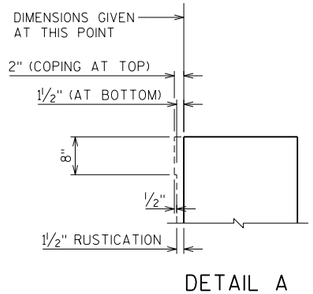
(NORTH ABUTMENT SHOWN, SOUTH ABUTMENT SIMILAR EXCEPT WING 2)



(SHOWN AT WING 2)

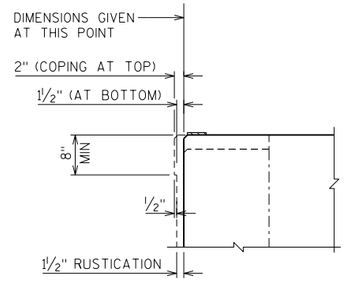
ELEVATION FOR TYPICAL WINGWALLS PARALLEL TO ROADWAY

(WING 2 SOUTH ABUTMENT)



DETAIL A

(AT WINGS)



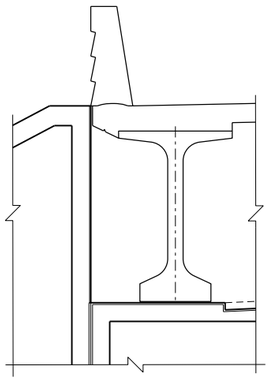
DETAIL B

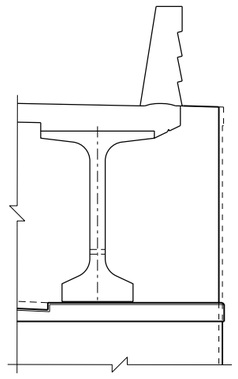
(AT ABUTMENT)

NOTES

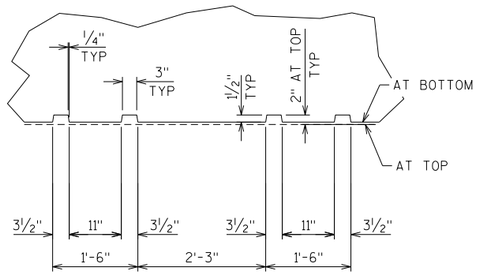
ALL RUSTICATIONS CONSIDERED WISCONSIN AESTHETIC LEVEL 1B AESTHETICS - NO STAINING.

APPLY PIGMENTED SURFACE SEALER TO TOP AND INSIDE FACES OF PARAPET INCLUDING PARAPET LOCATED ON THE STRUCTURAL APPROACH SLAB.

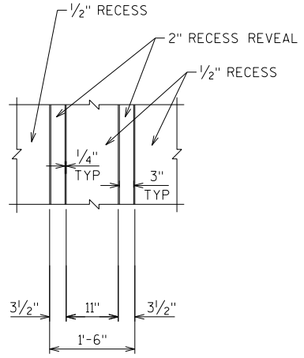




DETAIL P



SECTION C-C



DETAIL C

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

AESTHETIC DETAILS

SHEET 30 OF 31

450

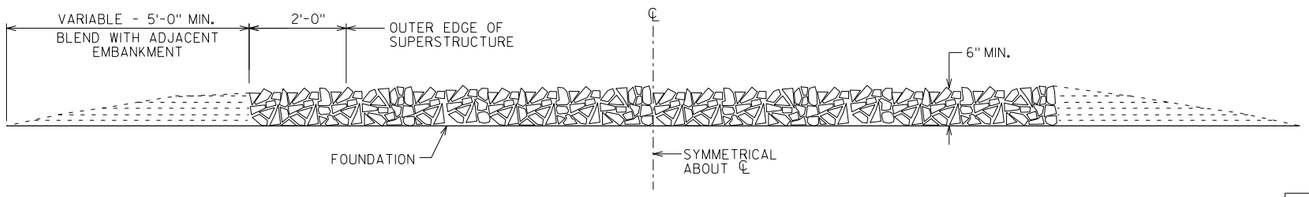
8

8

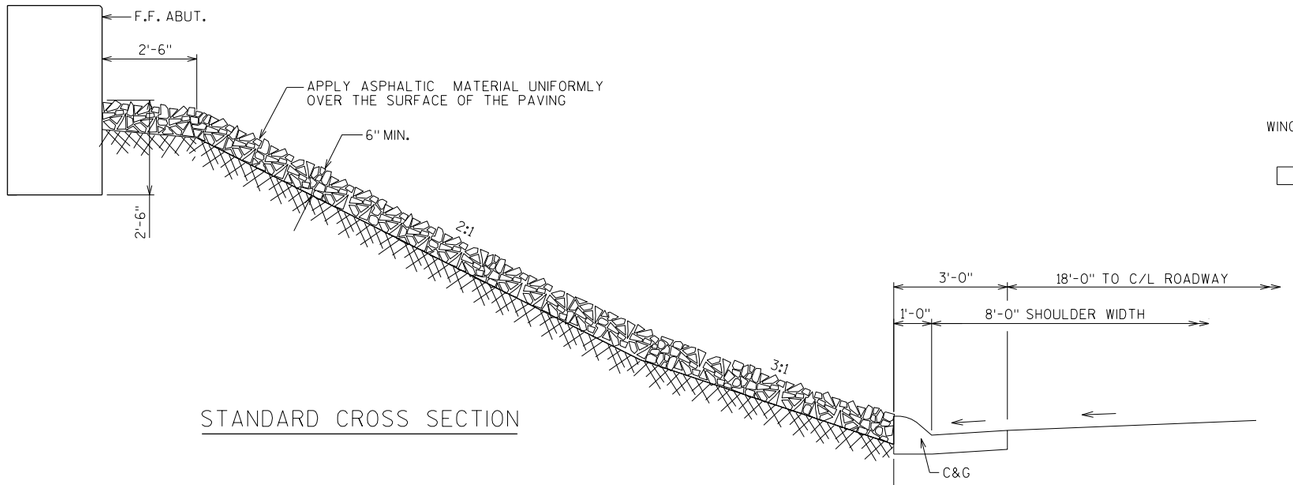
PLOT DATE: 7/19/2017 PLOT TIME: 7:03:43 AM

FILE NAME : S:\AE\D\Done\125226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-713\dgn\b1373rustication.dgn

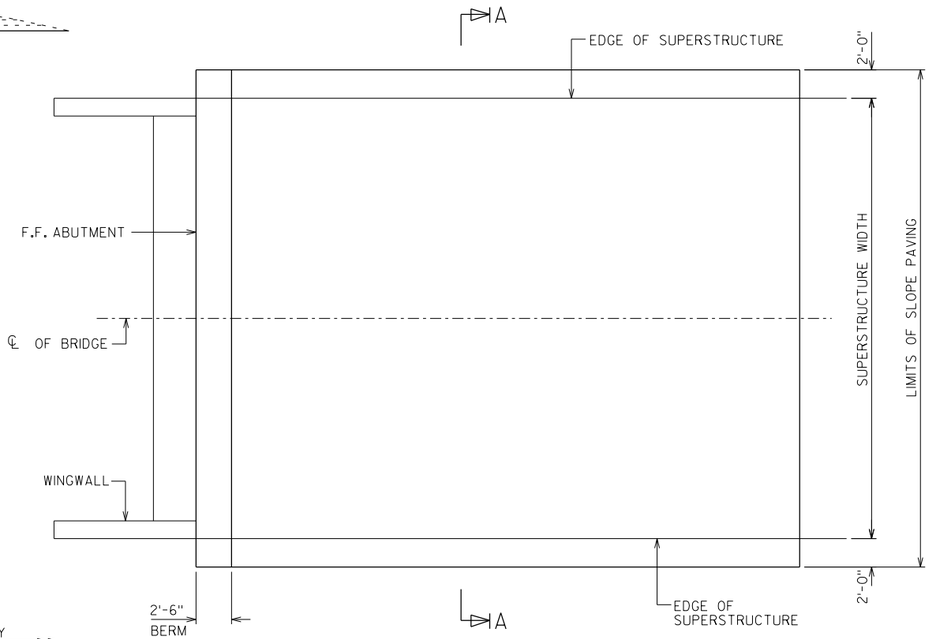
STATE PROJECT NUMBER
1007-11-71



SECTION A-A



STANDARD CROSS SECTION



PLAN

SKEW NOT SHOWN

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-713

DRAWN BY DLF | PLANS CK'D. NCK

SLOPE PAVING (CRUSHED AGGREGATE)

SHEET 31 OF 31

451

SLPPAVCRAG
1-15

PLOT DATE: 7/19/2017 PLOT TIME: 7:03:43 AM
FILE NAME : S:\AE\D\Daniel\25226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-713\dgn\b1371 3_slppavcrag.dgn

STATE PROJECT NUMBER
1007-11-71

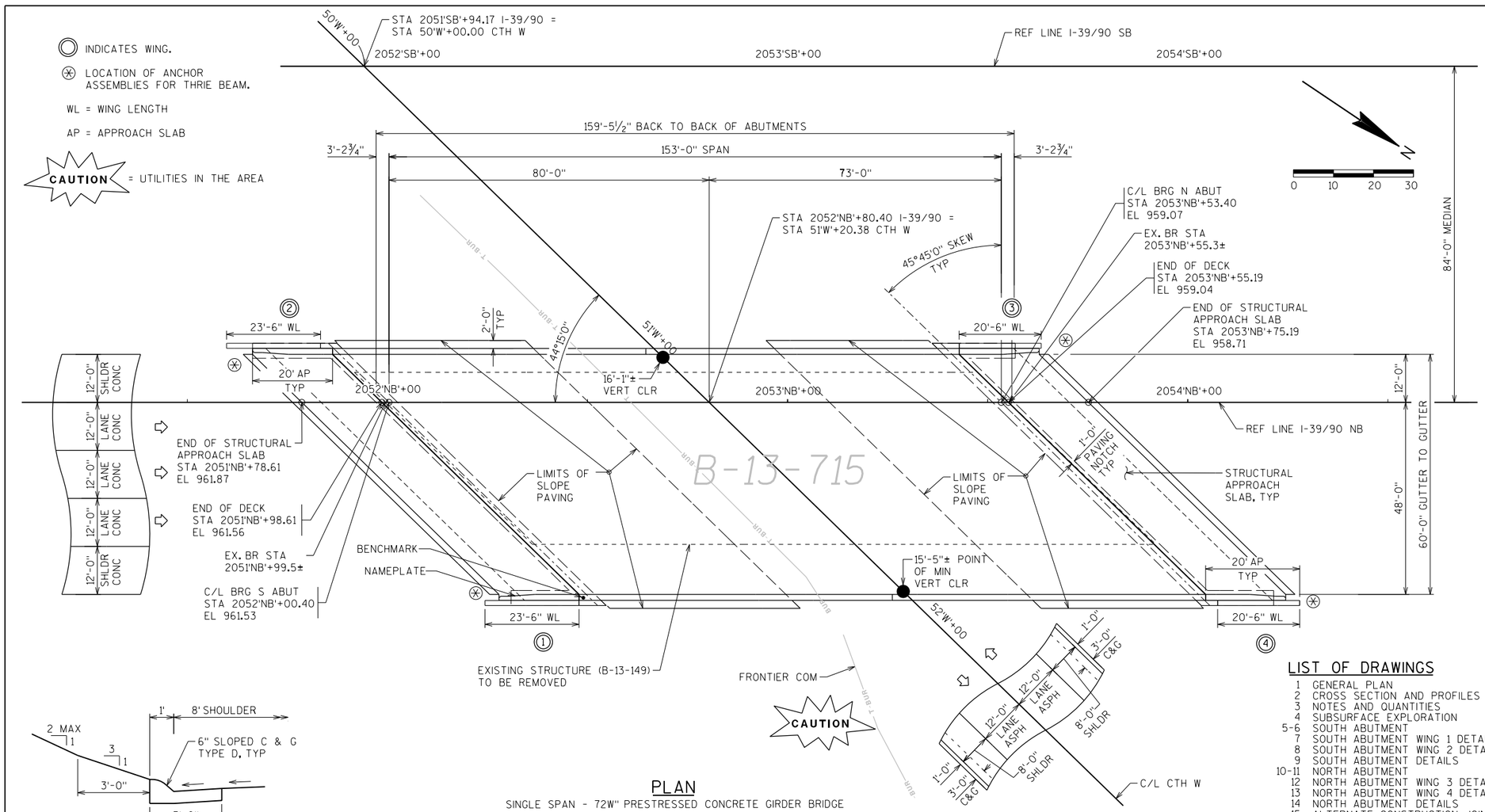
◎ INDICATES WING.

⊛ LOCATION OF ANCHOR ASSEMBLIES FOR THRIE BEAM.

WL = WING LENGTH

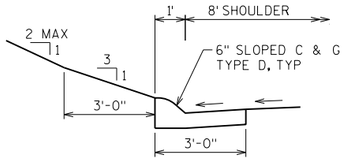
AP = APPROACH SLAB

CAUTION = UTILITIES IN THE AREA

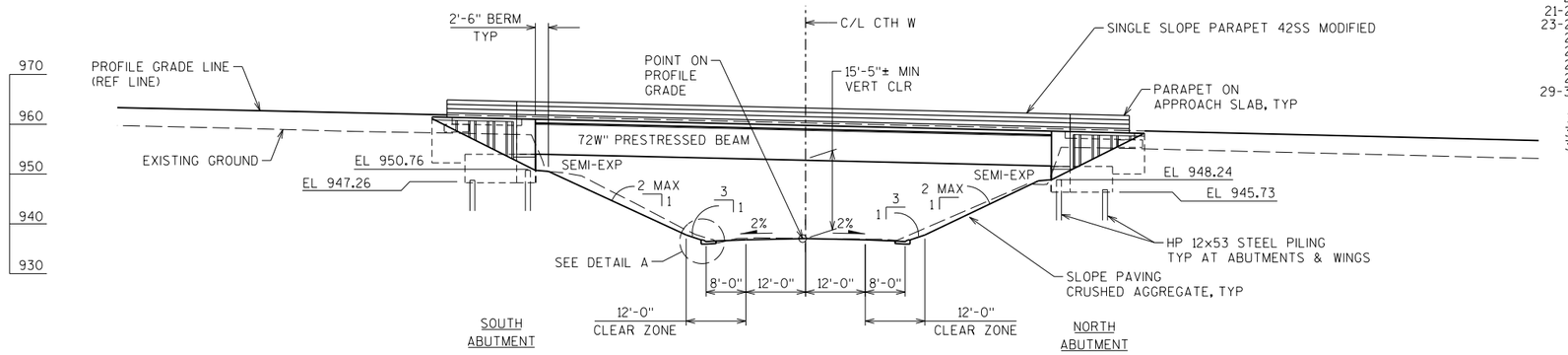


PLAN

SINGLE SPAN - 72W" PRESTRESSED CONCRETE GIRDER BRIDGE



DETAIL A



ELEVATION

(NORMAL TO C/L CTH W)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.29
OPERATING RATING FACTOR: RF = 2.15
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 PSF

MATERIAL PROPERTIES:

CONCRETE MASONRY - SUPERSTRUCTURE (HPC) f'c = 4,000 psi
- ALL OTHER f'c = 3,500 psi
(INCLUDING APPROACH SLAB FOOTING)

HIGH STRENGTH BAR STEEL REINFORCEMENT
AASHTO GRADE 60 fy = 60,000 psi

72W" PRESTRESSED GIRDER
CONCTETE MASONRY f'c = 8,000 psi
STRANDS, 0.6" DIA ULTIMATE
TENSILE STRENGTH fy = 270,000 psi

STEEL DIAPHRAGMS fy = 36,000 psi

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 12X53 STEEL PILING WITH A REQUIRED DRIVING RESISTANCE OF 220 TONS* PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC EQUATION. ESTIMATED 70 FEET LONG AT EACH ABUTMENT.

*THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES FORMULA TO DETERMINE DRIVEN PILE CAPACITY.

IF THE CENTER OF A PROPOSED PILE IS WITHIN 2'-6" FROM CENTER OF AN EXISTING PILE, THE EXISTING PILE CAN BE REMOVED OR THE PROPOSED PILE SPACING CAN BE ADJUSTED, WITH THE PRIOR APPROVAL FROM THE ENGINEER. THE COST OF REMOVING EXISTING PILES AND ADJUSTING THE SPACING IS INCIDENTAL TO REMOVING OLD STRUCTURE STATION 2052'NB'+80.40.

LIST OF DRAWINGS

1	GENERAL PLAN
2	CROSS SECTION AND PROFILES
3	NOTES AND QUANTITIES
4	SUBSURFACE EXPLORATION
5-6	SOUTH ABUTMENT
7	SOUTH ABUTMENT WING 1 DETAILS
8	SOUTH ABUTMENT WING 2 DETAILS
9	SOUTH ABUTMENT DETAILS
10-11	NORTH ABUTMENT
12	NORTH ABUTMENT WING 3 DETAILS
13	NORTH ABUTMENT WING 4 DETAILS
14	NORTH ABUTMENT DETAILS
15	ALTERNATE CONSTRUCTION JOINT
16-17	72W" PRESSTRESSED GIRDER DETAILS
18	STEEL DIAPHRAGM DETAILS
19	SUPERSTRUCTURE
20	SUPERSTRUCTURE CROSS SECTION
21-22	SUPERSTRUCTURE CORNER DETAILS
23-24	SUPERSTRUCTURE DETAILS
25	SUPERSTRUCTURE DECK ELEVATION TABLE
26	SOUTH STRUCTURAL APPROACH SLAB
27	NORTH STRUCTURAL APPROACH SLAB
28	STRUCTURAL APPROACH SLAB DETAILS
29-30	SINGLE SLOPE PARAPET 42SS MODIFIED WITH STRUCTURAL APPROACH SLAB
31	CONDUIT DETAILS
32	AESTHETIC DETAILS
33	SLOPE PAVING CRUSHED AGGREGATE

TRAFFIC DATA

I-39/90 NB		CTH W	
ADT (2020)	= 56650	ADT (2009)	= 540
ADT (2040)	= 70300	ADT (2040)	= 700
DHV (2040)	= 7452	DHV (2040)	= 80
D	= 58/42	D	= 62/38
T	= 29.1%	T	= 3.5%
DESIGN SPEED	= 70 MPH	DESIGN SPEED	= 60 MPH

BENCHMARK (NAVD 88) (2007)

NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
CP624C	2049+25.91	210.75', LT	CAPPED REBAR	947.75
BM653C	2052+51.66	94.89', LT	BRIDGE DISK B-13-148	959.34

NO.	DATE	REVISION	BY

SEH
SHORT ELLIOTT HENDRICKSON INC.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher TAB 11/6/2017
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-13-715

I-39/90 NB OVER CTH W

COUNTY	TOWN ~~CITY/VILLAGE~~
DANE	CHRISTIANA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
NCK	JCT	DLF	CJB/NCK

GENERAL PLAN

SHEET 1 OF 33
452

WISCONSIN
NATHAN C. KLOPP
E-39850
ST PAUL
MN
PROFESSIONAL ENGINEER

11/6/2017

SEH CONTACT: CHRIS BLUM, PE, 608.620.6192
WISDOT BRIDGE OFFICE CONTACT: BILL DREHER, PE, 608.266.8489

PLOT DATE: 11/6/2017 PLOT TIME: 11:32:48 AM
FILE NAME : S:\AE\D\Done\25226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715\dgn\b13715gl.dgn

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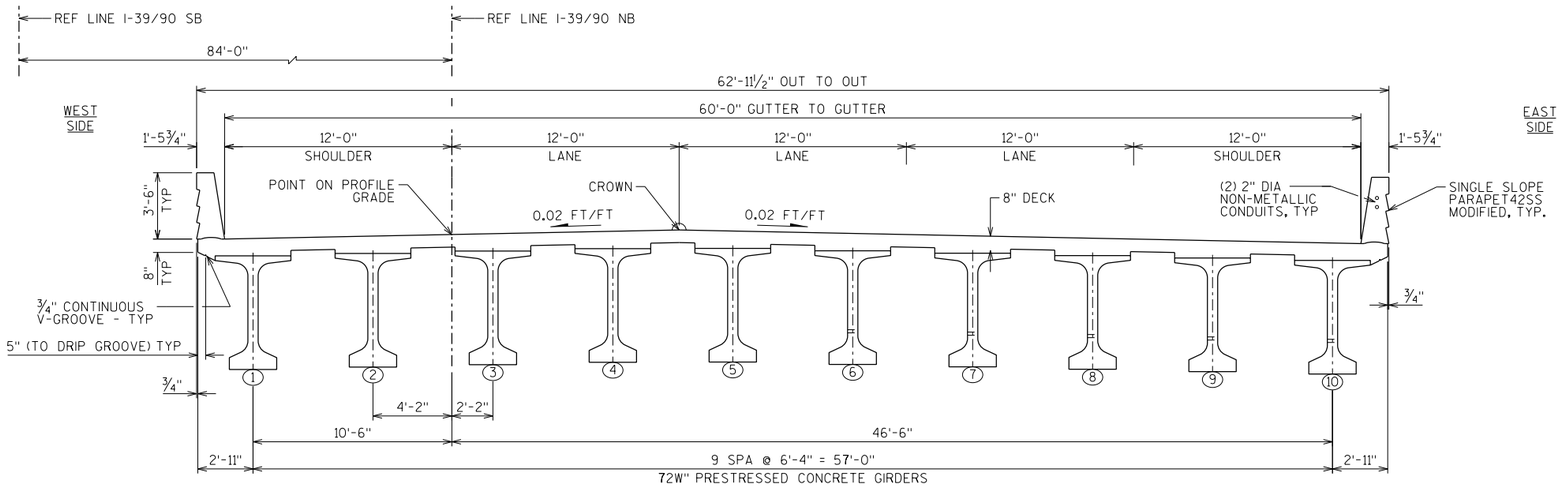
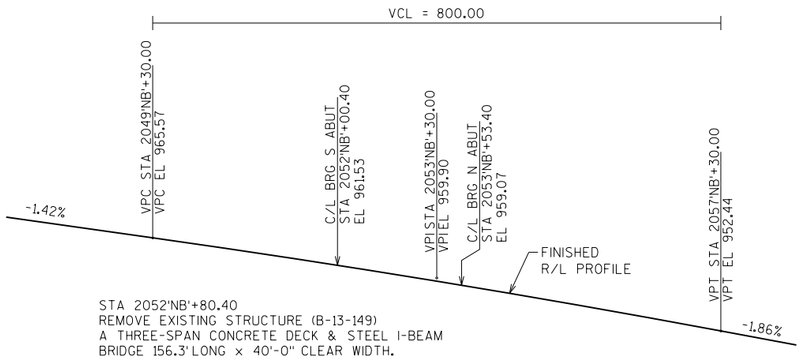
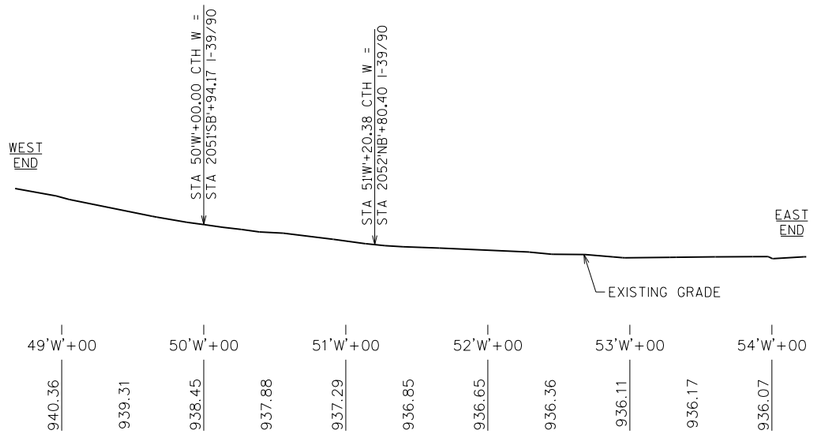
STATE PROJECT NUMBER
1007-11-71



CROSS SECTION THRU BRIDGE
(LOOKING NORTH)



PROFILE GRADE LINE
(I-39/90 NB)



PROFILE GRADE LINE
(CTH W)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

CROSS SECTION AND PROFILES

SHEET 2 OF 33

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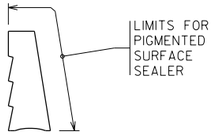
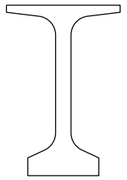
PLOT DATE: 11/6/2017 PLOT TIME: 11:32:48 AM

FILE NAME : S:\AE\D\Done\25226\S-final-dgn\Si-drawings\20-Struct\BRIDGE\b-13-715\dgn\b13715g2.dgn



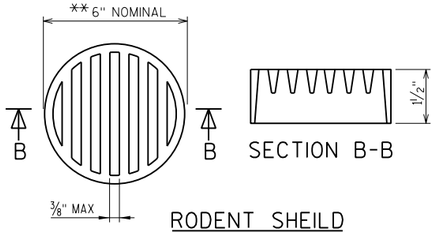
SINGLE SLOPED PARAPET
42SS MODIFIED

AREA = 3.95 SF
WEIGHT = .593 K/FT



TYPE I 72W-INCH
PRESTRESSED GIRDER

AREA = 915 SQ INCHES
WEIGHT = 953 LB/FT



RODENT SHEILD

**NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SHIELD SO SLOTS ARE VERTICAL.

RODENT SHIELD, PIPE COUPLING, AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMLAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

TOTAL ESTIMATED QUANTITIES - B-13-715

	BID ITEM NUMBER	BID ITEMS	UNIT	SOUTH STRUCTURAL APPROACH SLAB	SOUTH ABUT	NORTH ABUT	NORTH STRUCTURAL APPROACH SLAB	SUPER	TOTALS
	203.0200	REMOVING OLD STRUCTURE STATION 2052'NB'+80.40	LS	-	-	-	-	-	1
	206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-13-715	LS	-	-	-	-	-	1
(1)	210.1500	BACKFILL STRUCTURE TYPE A	TON	-	597	561	-	-	1158
(1)	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	219	-	-	219	-	438
(3)	501.1000.S.	ICE HOT WEATHER CONCRETING	LB	695	930	870	695	3860	7050
(4)	502.0100	CONCRETE MASONRY BRIDGES	CY	25	124	116	25	-	290
	502.3200	PROTECTIVE SURFACE TREATMENT	SY	134	-	-	134	1044	1312
	502.3210	PIGMENTED SURFACE SEALER	SY	20	-	-	20	157	197
	503.0172	PRESTRESSED GIRDER TYPE I 72W-INCH	LF	-	-	-	-	1540	1540
	505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-	11,410	11,010	-	-	22,420
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	16,760	2750	2320	16,760	64,130	102,720
	505.0800.S.	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	1085	-	-	1085	-	2170
	506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EA	-	10	10	-	-	20
	506.4000	STEEL DIAPHRAGMS B-13-715	EA	-	-	-	-	18	18
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	24	23	-	-	47
	550.1120	PILING STEEL HP 12-INCH x 53 LB	LF	-	1400	1400	-	-	2800
	604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	-	396	338	-	-	734
(2)	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	200	190	-	-	390
	614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EA	2	-	-	2	-	4
	645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	-	109	103	-	-	212
	652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	-	-	-	-	24	24
	652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	-	-	-	-	420	420
	653.0222	JUNCTION BOXES 18 x 12 x 6-INCH	EA	-	-	-	-	2	2
(4)	SPV.0035.700	HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES	CY	68	-	-	68	514	650
	SPV.0165.700	LONGITUDINAL GROOVING BRIDGE DECK	SF	1205	-	-	1205	9395	11,805
		NON-BID ITEMS							
		FILLER	SIZE	———	———	———	———	———	½ & ¾
		NAMEPLATE	EACH	———	———	———	———	———	1

(1) A FACTOR OF 2.0 WAS USED TO CONVERT CU YDS TO TONS.

(2) INCLUDES RODENT SHIELD FOR PIPE UNDERDRAIN PER SDD 8F6-4.

(3) BID ITEM 501.1000.S INCLUDES ALL CONCRETE QUANTITIES.

(4) BID ITEM "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES" SHALL BE UTILIZED IN THE DECK & HAUNCHS, PARAPETS, ABUTMENT DIAPHRAGMS, APPROACH SLABS AND APPROACH SLAB PARAPETS.

BID ITEM "CONCRETE MASONRY BRIDGES" SHALL BE UTILIZED FOR ALL OTHER CONCRETE ITEMS INCLUDING THE APPROACH SLAB FOOTINGS.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

FOR EXISTING STRUCTURE SEE 'PROFILE GRADE LINE' ON SHEET 2.

REFER TO ROADWAY DRAWINGS FOR EXACT EXISTING UTILITY LOCATIONS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NAVD 88 (2007) DATUM.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST DIGIT OF A THREE DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M153 TYPE 1, 2, OR 3 OR AASHTO DESIGNATION M213.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET AND IN THE ABUTMENTS DETAILS.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

EXCAVATION BELOW THE ABUTMENTS AND ABUTMENTS BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT

AT THE BACKFACE OF ABUTMENTS ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

THE QUANTITY FOR BACKFILL STRUCTURE TYPE A, BID ITEM 210.1500 IS CALCULATED BASED ON THE APPLICABLE FIGURES 12.6-1 AND 12.6-2 IN THE WISCONSIN DEPARTMENT OF TRANSPORTATION BRIDGE MANUAL.

BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO "EXCAVATION FOR STRUCTURES". LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE PRESTRESSED GIRDER DETAILS SHEET.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY, NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD ⅛" BELOW SURFACE OF CONCRETE).

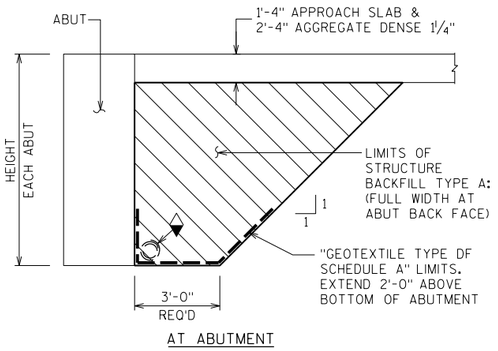
ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

APPLY A PROTECTIVE SURFACE TREATMENT TO TOP OF BRIDGE DECK, TOP OF APPROACH SLABS AND TOP OF APPROACH SLAB NOTCH. APPLY PIGMENTED SURFACE SEALER TO TOP AND INSIDE FACES OF PARAPET INCLUDING PARAPET LOCATED ON THE STRUCTURAL APPROACH SLAB. PER THE STANDARD SPECIFICATIONS AND THE SUPERSTRUCTURE DETAILS SHEET.

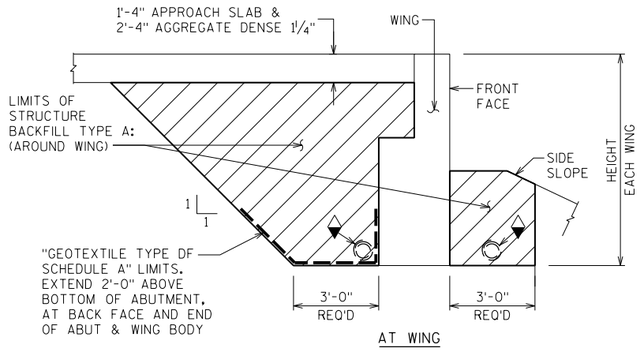
THE 42SS MODIFIED PARAPETS ARE INCLUDED IN THE BID ITEM "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".

THE RUSTICATIONS IN THE ABUTMENTS ARE INCLUDED IN THE BID ITEM "CONCRETE MASONRY BRIDGES".

THE RUSTICATIONS AT THE BACK FACE OF THE PARAPET ARE INCLUDED IN THE BID ITEM "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".



AT ABUTMENT

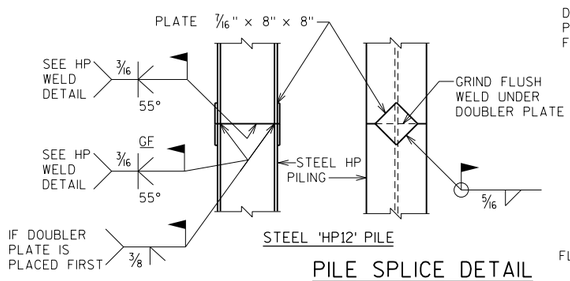


AT WING

BACKFILL STRUCTURE LIMITS

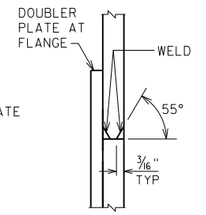
A FACTOR OF 2.0 WAS USED TO CONVERT CU YDS TO TONS

◊ PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE.



STEEL 'HP12' PILE

PILE SPLICE DETAIL



'HP12' WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

NOTES AND QUANTITIES

SHEET 3 OF 33
454

8

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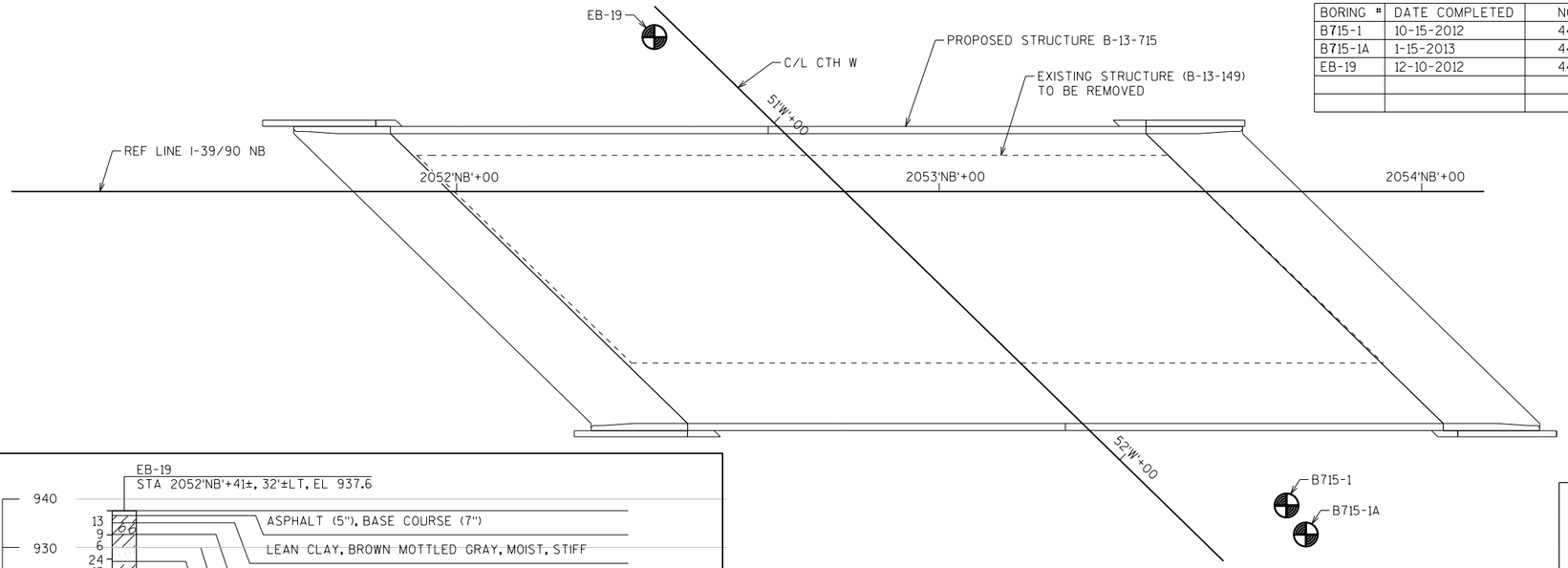
PLOT DATE: 11/6/2017 PLOT TIME: 11:32:48 AM

FILE NAME : S:\AE\D\Donel\25226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715\dgn\b13715g3.dgn



BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B715-1	10-15-2012	448350	891470
B715-1A	1-15-2013	448048	891503
EB-19	12-10-2012	448183	891499

STATE PROJECT NUMBER

1007-11-71

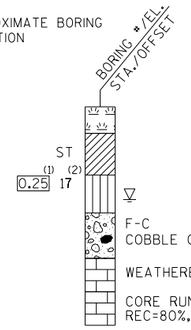
MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

SOIL BORINGS PERFORMED BY:
GESTRA ENGINEERING INC.
MILWAUKEE, WI
OCT 15, 2012
DEC 10, 2012
JAN 15, 2013
REPORT BY:
SANGHO LEE, P.E.
SENIOR ENGINEER

LEGEND OF BORING

= APPROXIMATE BORING LOCATION



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

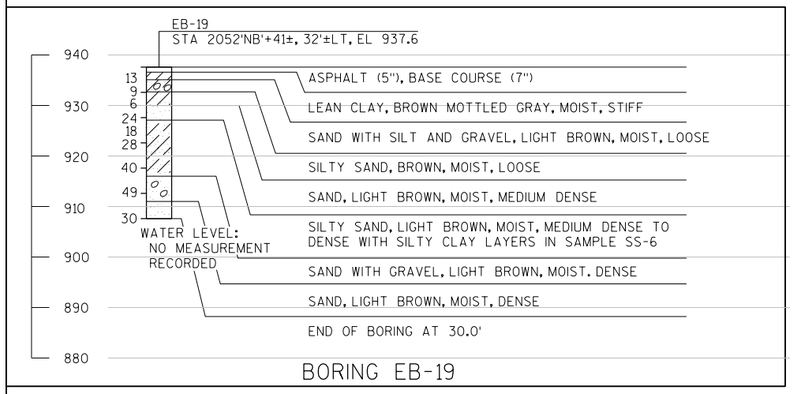
- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

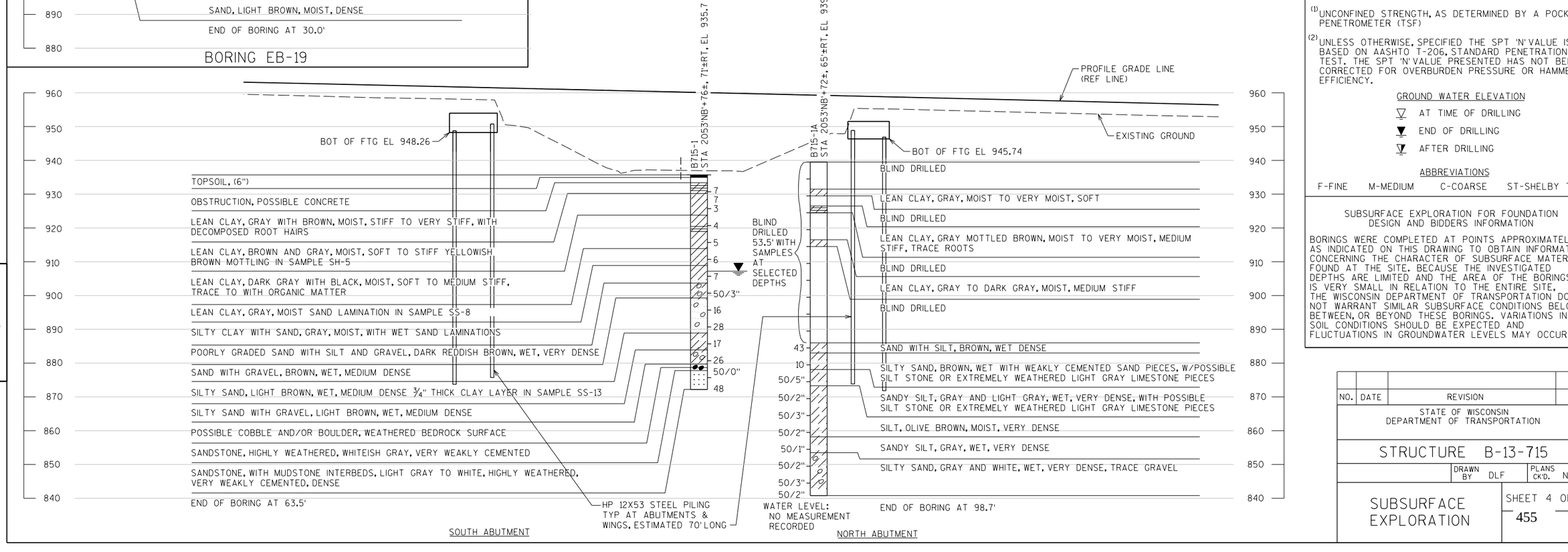
F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.



BORING EB-19



NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

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SUBSURFACE EXPLORATION

SHEET 4 OF 33

455

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PLOT TIME: 11:32:49 AM

PLOT DATE: 11/6/2017

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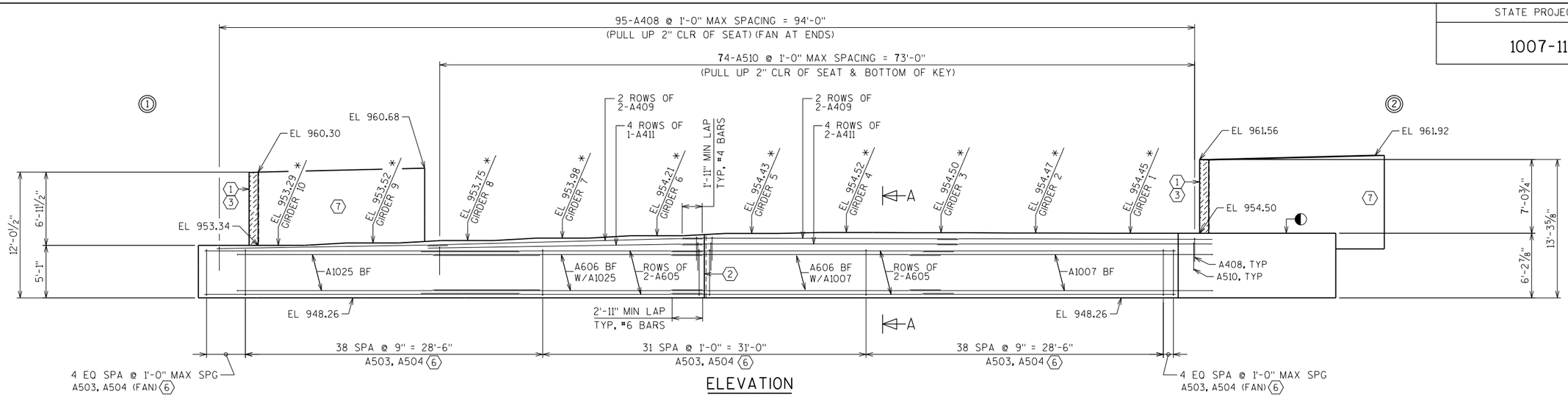
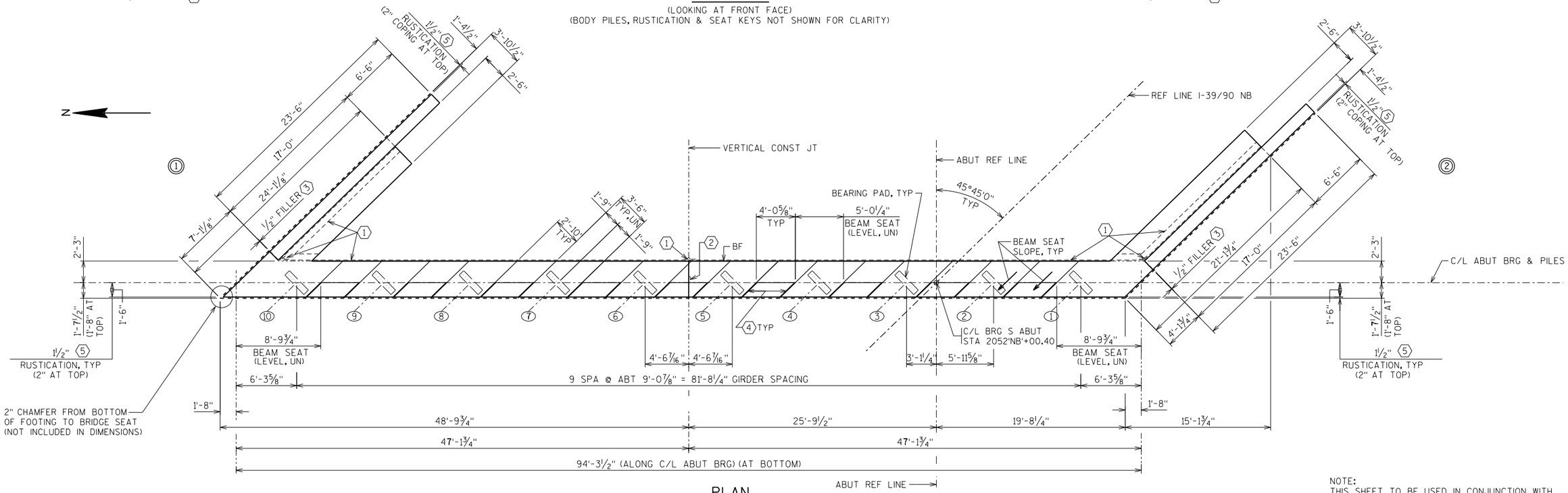
STATE PROJECT NUMBER
1007-11-71



ELEVATION

(LOOKING AT FRONT FACE)
(BODY PILES, RUSTICATION & SEAT KEYS NOT SHOWN FOR CLARITY)



PLAN

LEGEND

* ELEVATIONS AND DIMENSIONS TAKEN ALONG C/L OF BRG & PILES SOUTH ABUTMENT.

(1) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZ & VERT JOINTS ON BACKFACE.

(2) VERTICAL CONST JT KEYWAY FORMED BY A SURFACED BEVELED 2"x8". BEVEL EXPOSED EDGES ¾". FOR ALTERNATE CONST JT DETAILS SEE SHEET 15.

(3) ½" FILLER & SEALER EXTEND FROM BEAM SEAT TO TOP OF WING. INCLUDED IN WING LENGTH.

(4) ¾" CORK FILLER ON VERTICAL BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(5) 1½" RUSTICATION (2" RUSTICATION AT TOP) IS NOT INCLUDED IN THE REINFORCEMENT CLEAR REQUIREMENTS. SEE RUSTICATON DETAILS FOR ADD'L INFORMATION.

(6) USE A503 TYPICAL, EXCEPT A504 AT PILES.

(7) SEE "SOUTH ABUTMENT WING DETAILS" SHEET FOR WING PLANS AND REINFORCEMENT.

◎ INDICATES WING NUMBER.

⬭ INDICATES NEW GIRDER LINE.

◆ PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE.

◍ ATTACH RODENT SHIELD AT END OF PIPE UNDERDRAIN, SEE DETAIL ON SHEET 3.

◐ CONST JOINT FORMED BY BEVELED 2"X6" (NO V-GROOVE ON FRONT FACE).

S ABUT = SOUTH ABUTMENT
N ABUT = NORTH ABUTMENT

FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE
UN = UNLESS NOTED

ABUTMENT NOTES

DIMENSIONS ARE MEASURED ALONG C/L ABUTMENT UNLESS NOTED OTHERWISE.

SEAL ALL EXPOSED HORIZ. AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-ASPHALTIC JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE). FILLER INCLUDED IN WING LENGTH.

FOR TYPICAL ABUTMENT SECTION A-A SEE SHEET 9.

FOR PILE SPLICE DETAIL SEE SHEET 3.

FOR BEARING PAD DETAIL SEE SUPERSTRUCTURE SHEETS.

FOR RUSTICATION DETAILS SEE SHEET 32.

NOTE:
THIS SHEET TO BE USED IN CONJUNCTION WITH SHEETS 6, 7, 8 & 9.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

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SOUTH ABUTMENT

SHEET 5 OF 33
456

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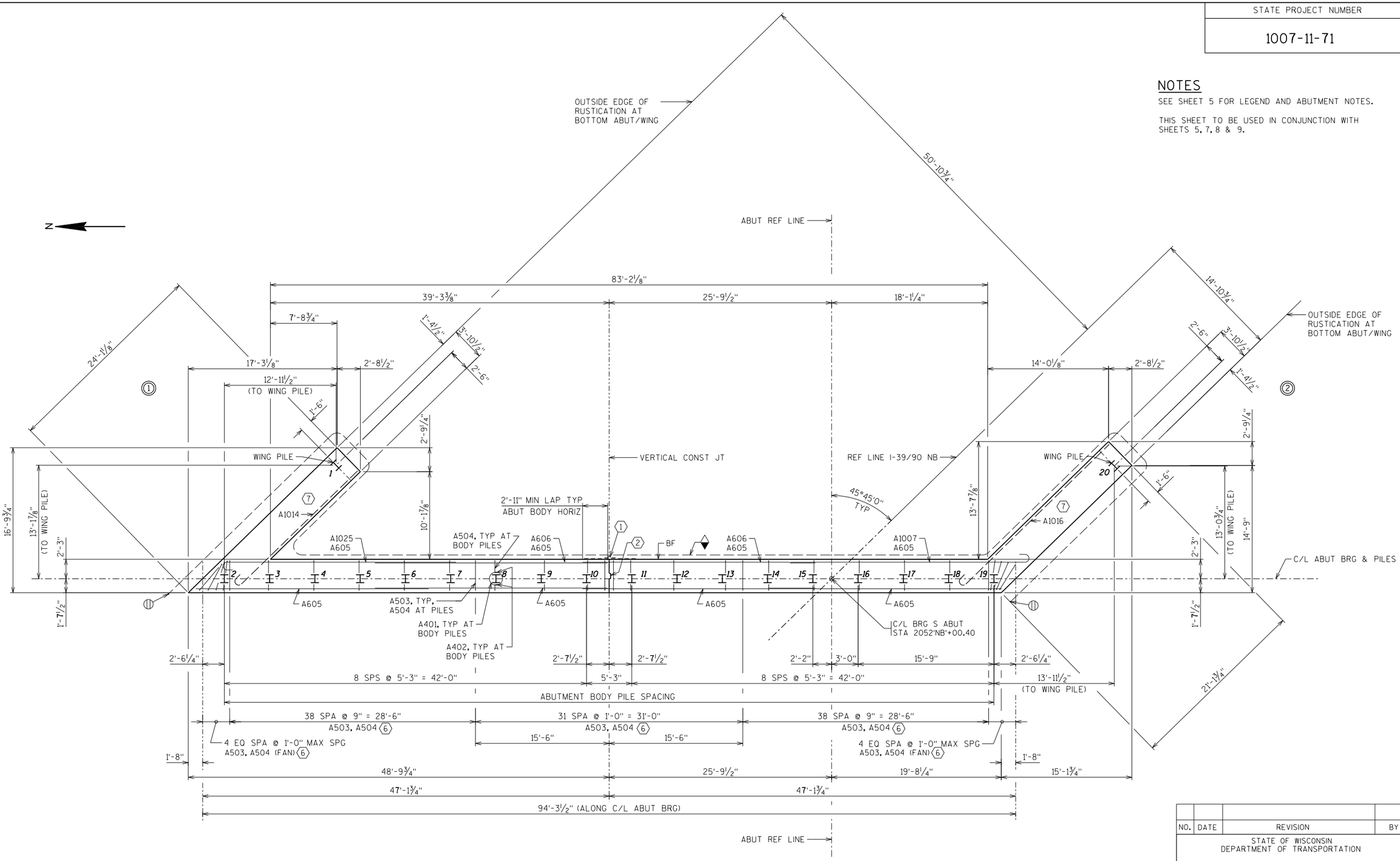
STATE PROJECT NUMBER
1007-11-71

NOTES

SEE SHEET 5 FOR LEGEND AND ABUTMENT NOTES.

THIS SHEET TO BE USED IN CONJUNCTION WITH SHEETS 5, 7, 8 & 9.



FOOTING & PILE LAYOUT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

SOUTH ABUTMENT

SHEET 6 OF 33
457

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PLOT DATE: 11/6/2017 PLOT TIME: 11:32:49 AM

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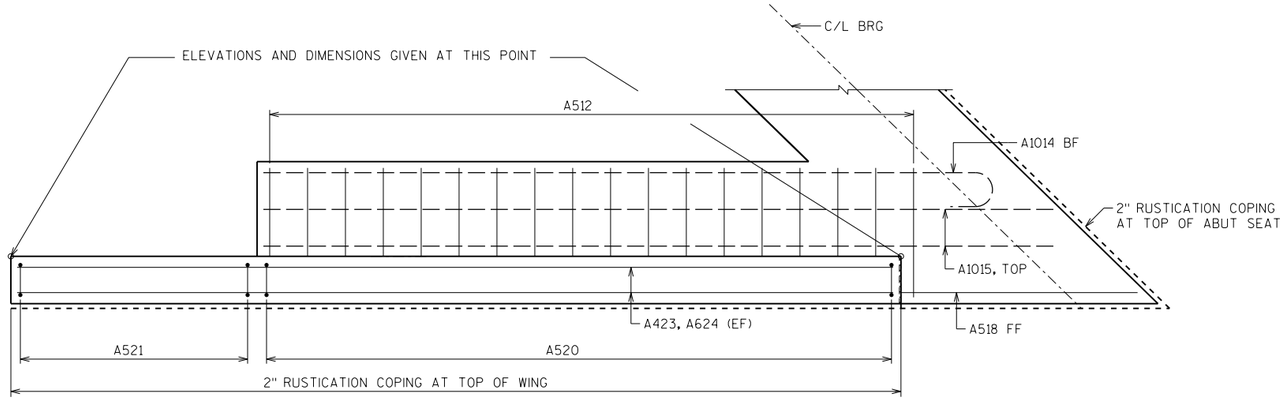
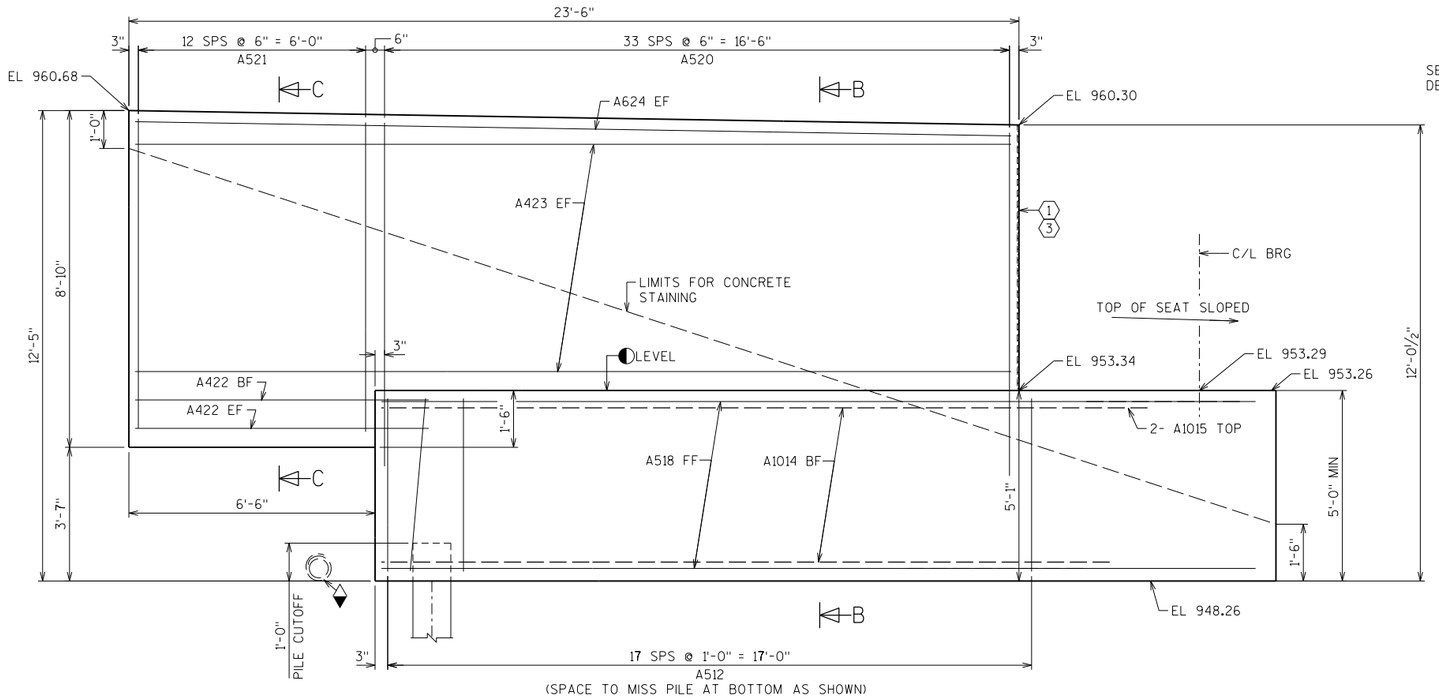


PLAN - WING 1

NOTES

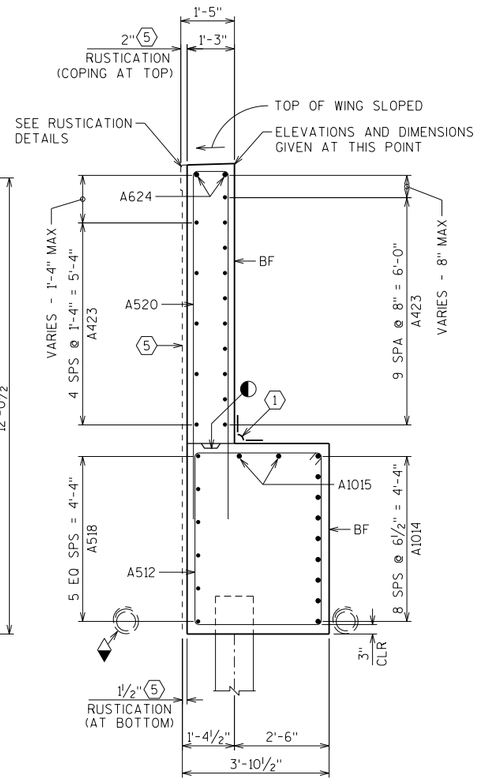
SEE SHEET 5 FOR LEGEND AND ABUTMENT NOTES.

THIS SHEET TO BE USED IN CONJUNCTION WITH SHEETS 5, 6, 8 & 9.



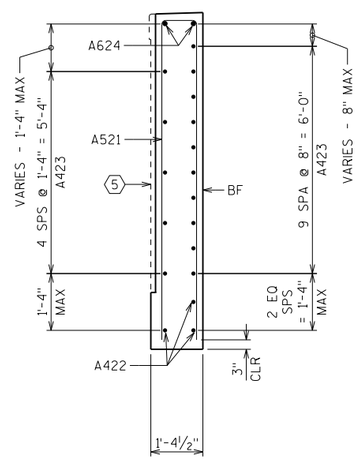
ELEVATION - WING 1

(RUSTICATION NOT SHOWN FOR CLARITY)



SECTION B-B

NOTE:
SIMILAR AT WING TOP TO SECTION B-B.



SECTION C-C

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

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SOUTH ABUTMENT WING 1 DETAILS

SHEET 7 OF 33

458

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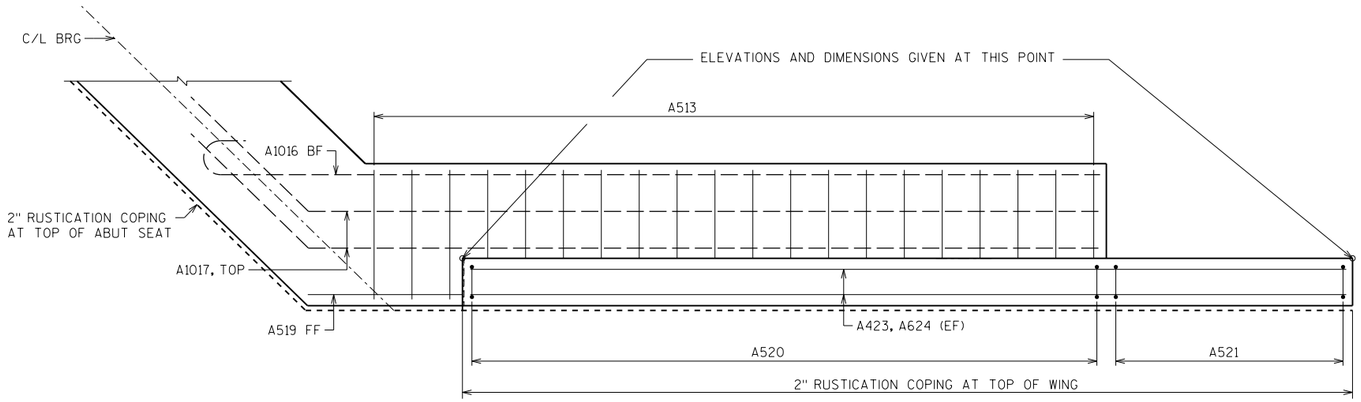
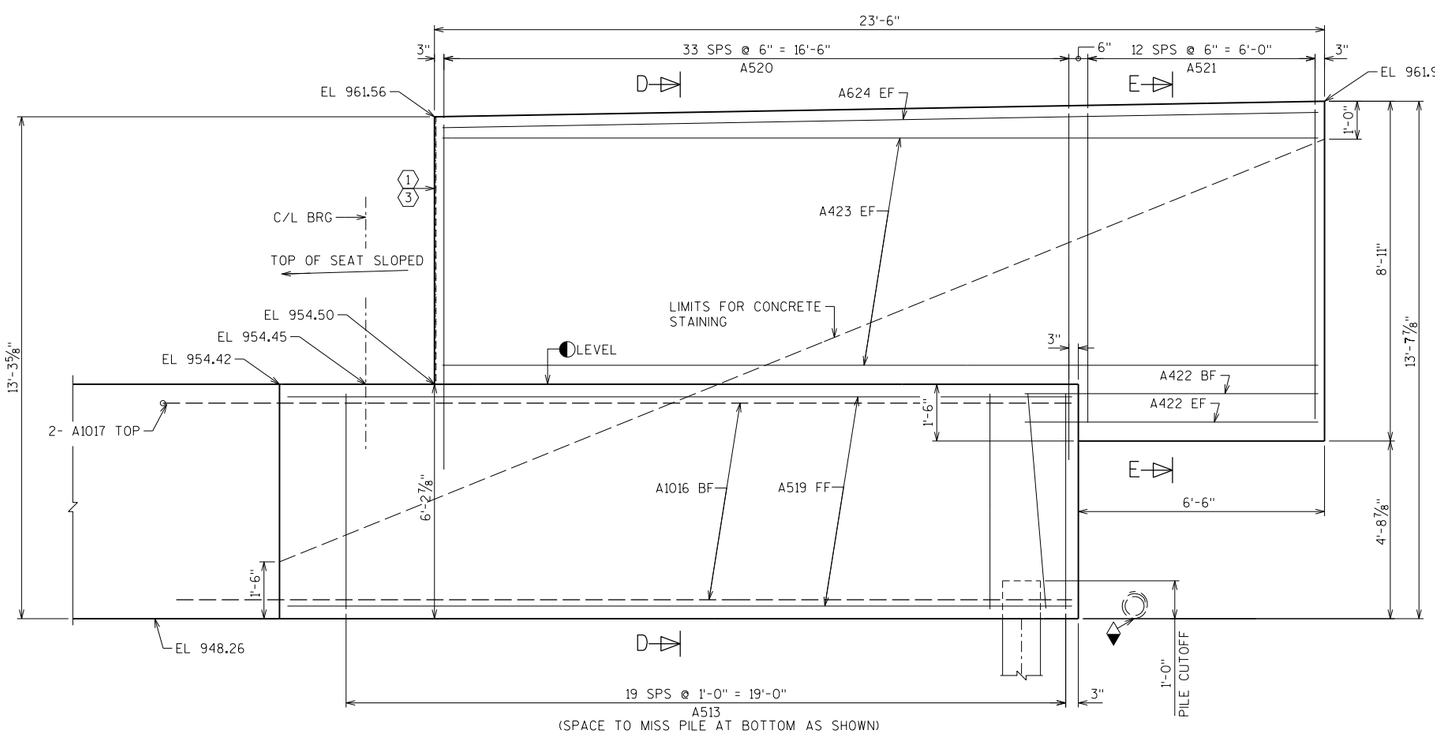


PLAN - WING 2

NOTES

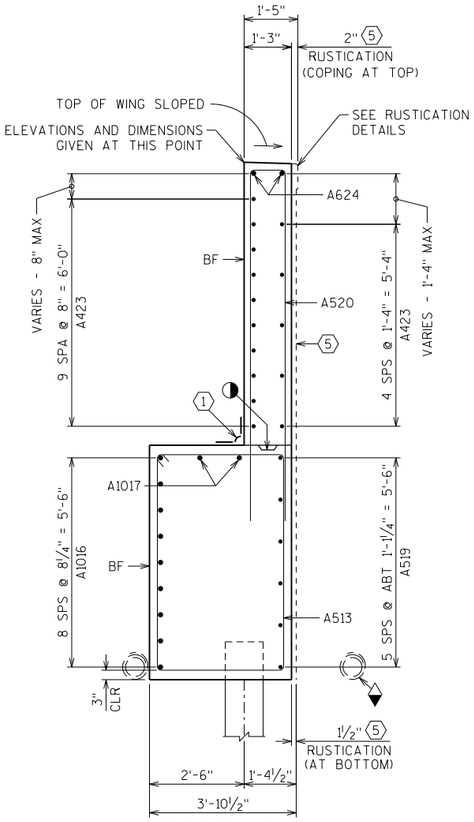
SEE SHEET 5 FOR LEGEND AND ABUTMENT NOTES.

THIS SHEET TO BE USED IN CONJUNCTION WITH SHEETS 5, 6, 7 & 9.

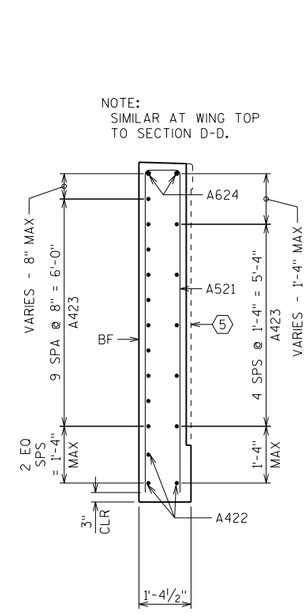


ELEVATION - WING 2

(RUSTICATION NOT SHOWN FOR CLARITY)



SECTION D-D



SECTION E-E

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

SOUTH ABUTMENT WING 2 DETAILS

SHEET 8 OF 33

459

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PLOT DATE: 11/6/2017 PLOT TIME: 11:32:49 AM

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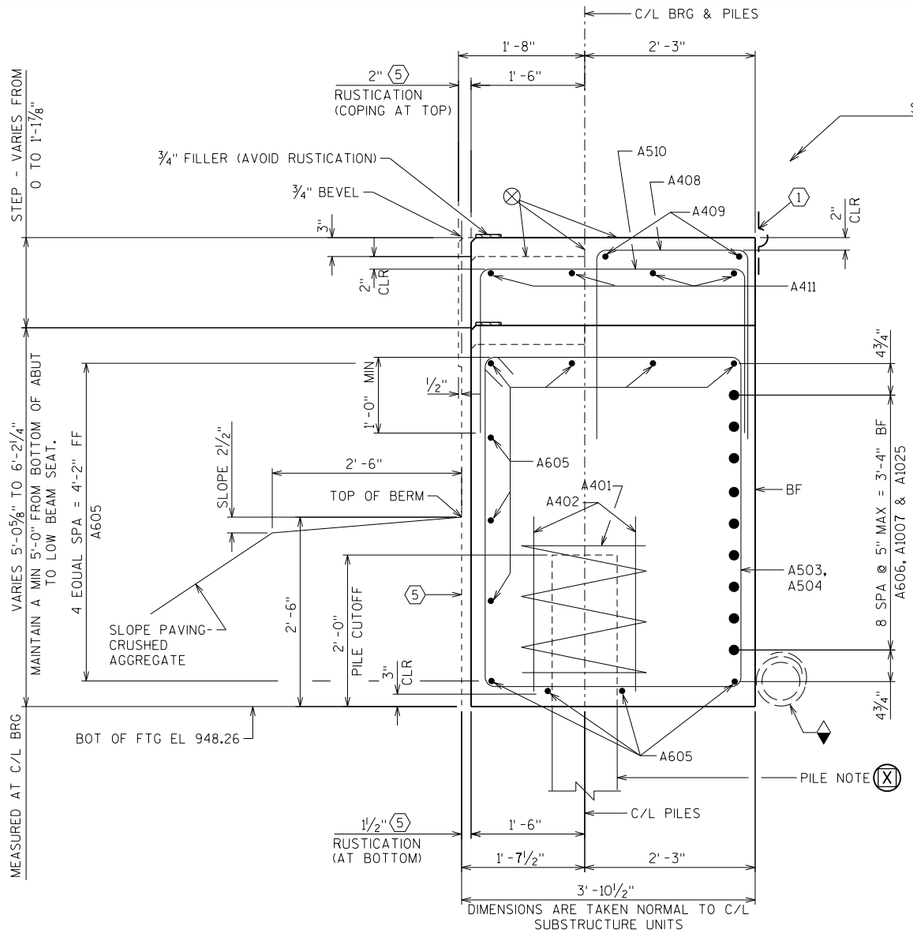
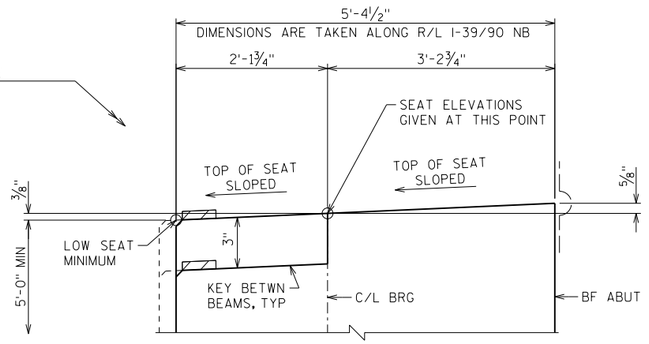


SECTION A-A
TYPICAL SECTION THRU BODY



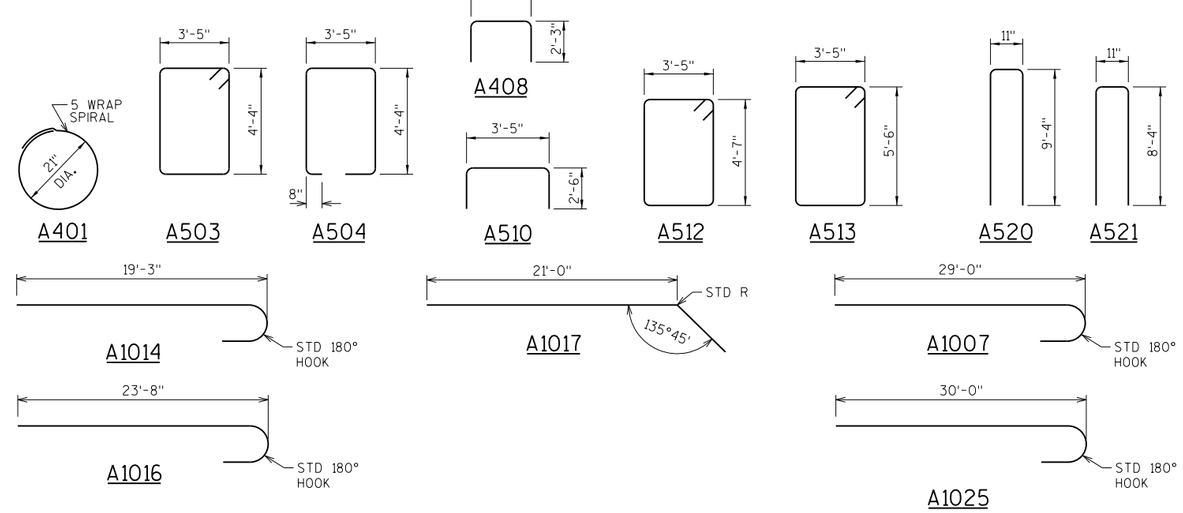
SEAT SLOPE DETAIL
SOUTH ABUT

NOTE: THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE ENGLISH BAR DIAMETER SIZE.

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

BILL OF BARS — SOUTH ABUT

BAR MARK	COAT	NO. REQ'D.	LENGTH (FT-IN)	BAR SERIES	BENT	LOCATION
A401		18	27 - 0		X	BODY AT PILES
A402		36	2 - 3			BODY AT PILES
A503		96	16 - 2		X	BODY STIRRUP
A504		20	13 - 8		X	BODY STIRRUP AT PILE
A605		44	27 - 0			BODY HORIZ
A606		18	25 - 9			BODY HORIZ BF
A1007		9	30 - 5		X	BODY HORIZ BF
A408		95	6 - 3		X	BODY VERT TOP
A409		8	26 - 4			BODY HORIZ TOP
A510		74	8 - 2		X	BODY VERT TOP
A411		12	26 - 4			BODY HORIZ TOP
A512		18	16 - 8		X	WING 1 STIRRUP
A513		20	18 - 6		X	WING 2 STIRRUP
A1014		9	20 - 8		X	WING 1 BF
A1015		2	20 - 11			WING 1 TOP
A1016		9	25 - 1		X	WING 2 BF
A1017		2	25 - 4		X	WING 2 TOP
A518	X	6	23 - 0			WING 1 FF
A519	X	6	20 - 9			WING 2 FF
A520	X	68	19 - 4		X	WING 1 & 2 VERT
A521	X	26	17 - 4		X	WING 1 & 2 VERT
A422	X	6	7 - 9			WING HORIZ EF
A423	X	30	23 - 1			WING HORIZ EF
A624	X	4	23 - 1			WING HORIZ EF TOP
A1025		9	31 - 5		X	BODY HORIZ BF



LEGEND CONT. (FROM SHEET 5)

(5) LIMITS OF ARCHITECTURAL SURFACE TREATMENT RUSTICATION. FOR DETAILS SEE "AESTHETIC DETAILS" SHEET.

⊗ STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03"

PILE NOTE (X)

SOUTH ABUTMENT SUPPORTED ON HP12 X 53 PILING EST 70' LONG, EXCAVATE TO BOTTOM OF FOOTING BEFORE DRIVING PILES.

SEE FOUNDATION DATA ON SHEET 1.

IF THE CENTER OF A PROPOSED PILE IS WITHIN 2'-6" FROM CENTER OF AN EXISTING PILE, THE EXISTING PILE CAN BE REMOVED OR THE PROPOSED PILE SPACING CAN BE ADJUSTED, WITH THE PRIOR APPROVAL FROM THE ENGINEER. THE COST OF REMOVING EXISITNG PILES AND ADJUSTING THE SPACING IS INCIDENTAL TO REMOVING OLD STRUCTURE STATION 2052'NB'+80.40.

FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE
EXIST = EXISTING

NOTES

THIS SHEET TO BE USED IN CONJUNCTION WITH SHEETS 5, 6, 7 & 8.

SEE SHEET 5 FOR LEGEND AND ABUTMENT NOTES.

FOR PILE SPLICE DETAIL SEE SHEET 3.

FOR BEARING PAD DETAIL SEE SUPERSTRUCTURE SHEETS.

FOR RUSTICATION DETAILS SEE SHEET 32.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

SOUTH ABUTMENT DETAILS

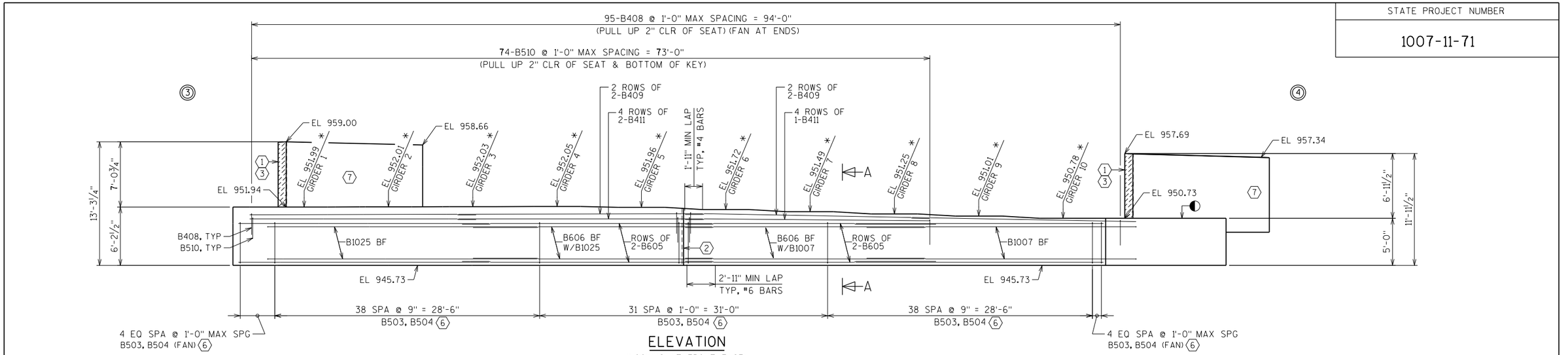
SHEET 9 OF 33

460

8

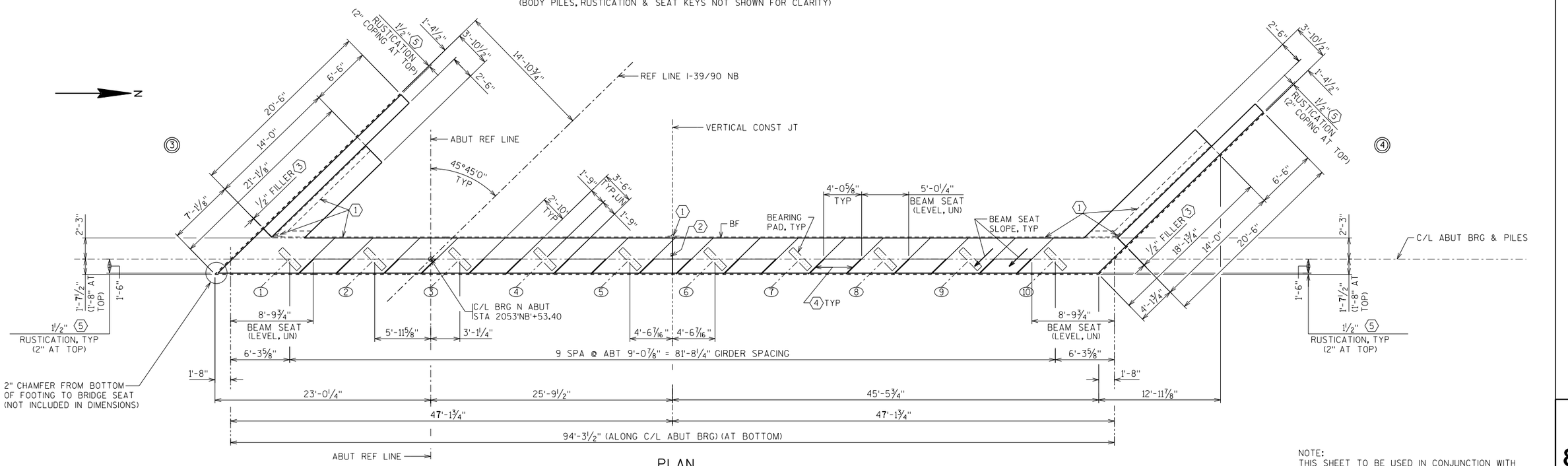
PLOT DATE: 11/6/2017 PLOT TIME: 11:32:50 AM
FILE NAME : S:\AE\D\Done\25226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715\dgn\b13715s04.dgn
123456

STATE PROJECT NUMBER
1007-11-71



ELEVATION

(LOOKING AT FRONT FACE)
(BODY PILES, RUSTICATION & SEAT KEYS NOT SHOWN FOR CLARITY)



PLAN

LEGEND

* ELEVATIONS AND DIMENSIONS TAKEN ALONG C/L OF BRG & PILES NORTH ABUTMENT.

① 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZ & VERT JOINTS ON BACKFACE.

② VERTICAL CONST JT KEYWAY FORMED BY A SURFACED BEVELED 2"x8". BEVEL EXPOSED EDGES ¾". FOR ALTERNATE CONST JT DETAILS SEE SHEET 15.

③ ½" FILLER & SEALER EXTEND FROM BEAM SEAT TO TOP OF WING. INCLUDED IN WING LENGTH.

④ ¾" CORK FILLER ON VERTICAL BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

⑤ 1½" RUSTICATION (2" RUSTICATION AT TOP) IS NOT INCLUDED IN THE REINFORCEMENT CLEAR REQUIREMENTS. SEE RUSTICATON DETAILS FOR ADD'L INFORMATION.

⑥ USE B503 TYPICAL, EXCEPT B504 AT PILES.

⑦ SEE "NORTH ABUTMENT WING DETAILS" SHEET FOR WING PLANS AND REINFORCEMENT.

◎ INDICATES WING NUMBER.

⬭ INDICATES NEW GIRDER LINE.

◆ PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE.

◍ ATTACH RODENT SHIELD AT END OF PIPE UNDERDRAIN, SEE DETAIL ON SHEET 3.

◐ CONST JOINT FORMED BY BEVELED 2"X6" (NO V-GROOVE ON FRONT FACE).

S ABUT = SOUTH ABUTMENT
N ABUT = NORTH ABUTMENT

FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE
UN = UNLESS NOTED

ABUTMENT NOTES

DIMENSIONS ARE MEASURED ALONG C/L ABUTMENT UNLESS NOTED OTHERWISE.

SEAL ALL EXPOSED HORIZ. AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-ASPHALTIC JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE). FILLER INCLUDED IN WING LENGTH.

FOR TYPICAL ABUTMENT SECTION A-A SEE SHEET 14.

FOR PILE SPLICE DETAIL SEE SHEET 3.

FOR BEARING PAD DETAIL SEE SUPERSTRUCTURE SHEETS.

FOR RUSTICATION DETAILS SEE SHEET 32.

NOTE:
THIS SHEET TO BE USED IN CONJUNCTION WITH SHEETS 11, 12, 13 & 14.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

NORTH ABUTMENT

SHEET 10 OF 33
461

8

8

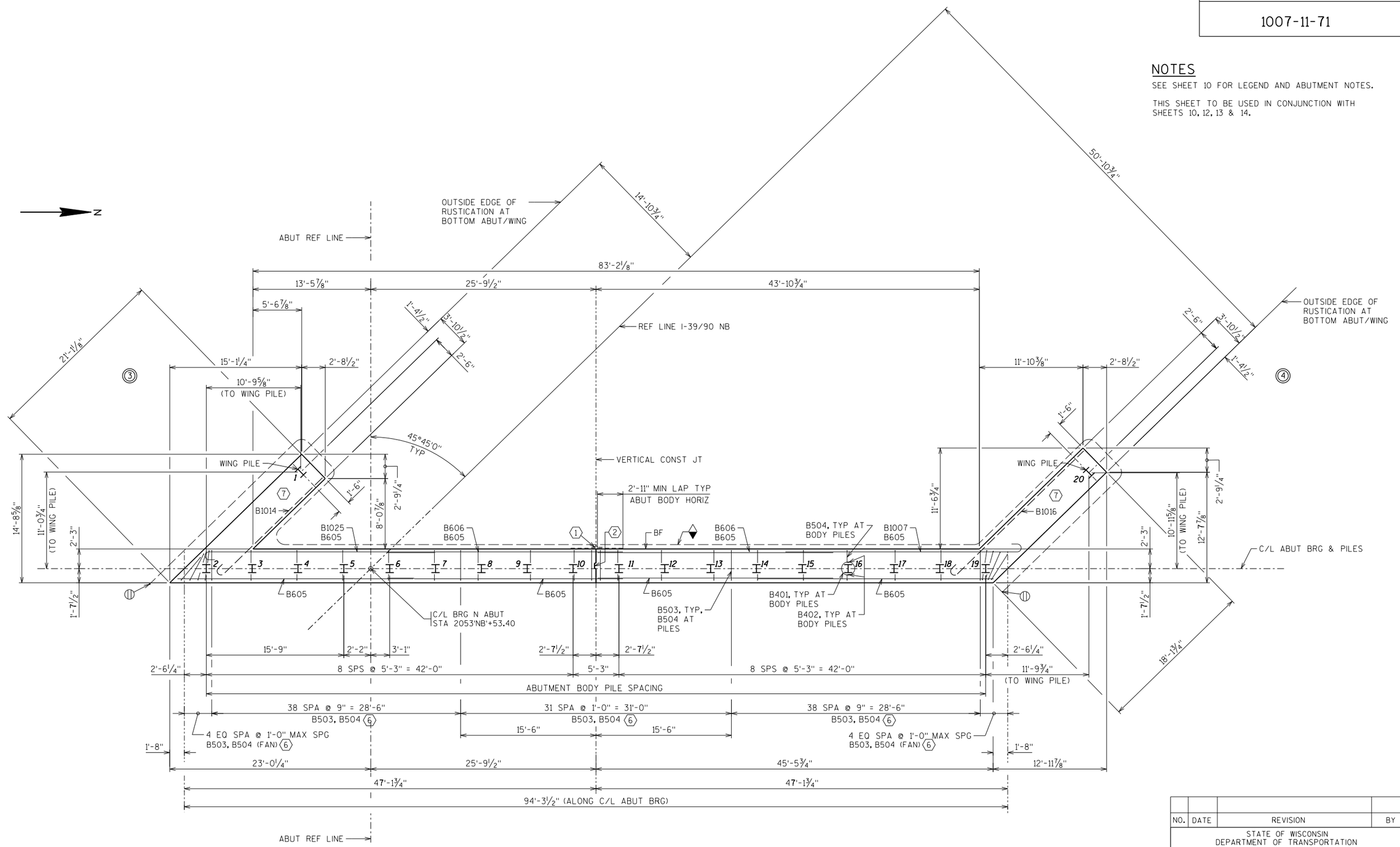
PLOT DATE: 11/6/2017 PLOT TIME: 11:32:50 AM
FILE NAME : S:\AE\D\Donel\125226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715.dgn\b1375o5.dgn

STATE PROJECT NUMBER
1007-11-71

NOTES

SEE SHEET 10 FOR LEGEND AND ABUTMENT NOTES.

THIS SHEET TO BE USED IN CONJUNCTION WITH SHEETS 10, 12, 13 & 14.



FOOTING & PILE LAYOUT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

NORTH ABUTMENT

SHEET 11 OF 33
462

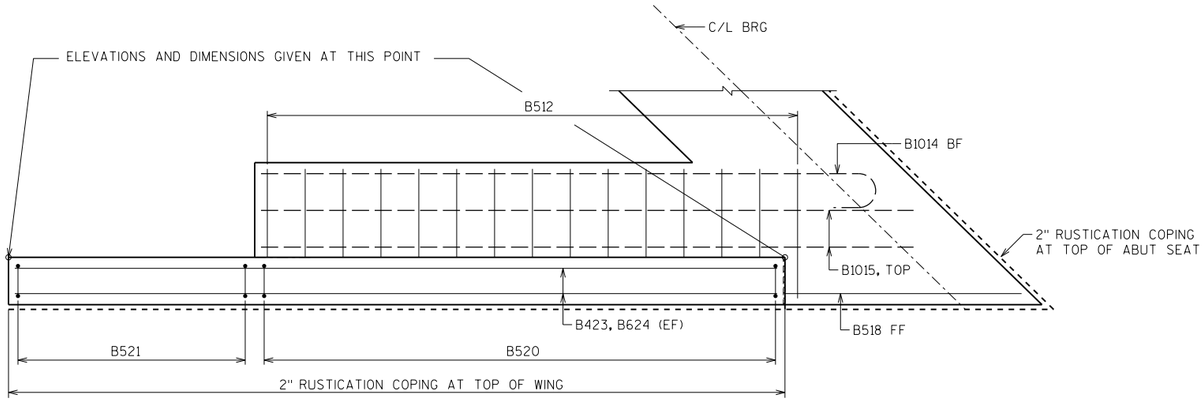
8

8

FILE NAME : S:\AE\D\Done\125226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715\dgn\b13715a6.dgn

PLOT DATE: 11/6/2017 PLOT TIME: 11:32:50 AM

STATE PROJECT NUMBER
1007-11-71

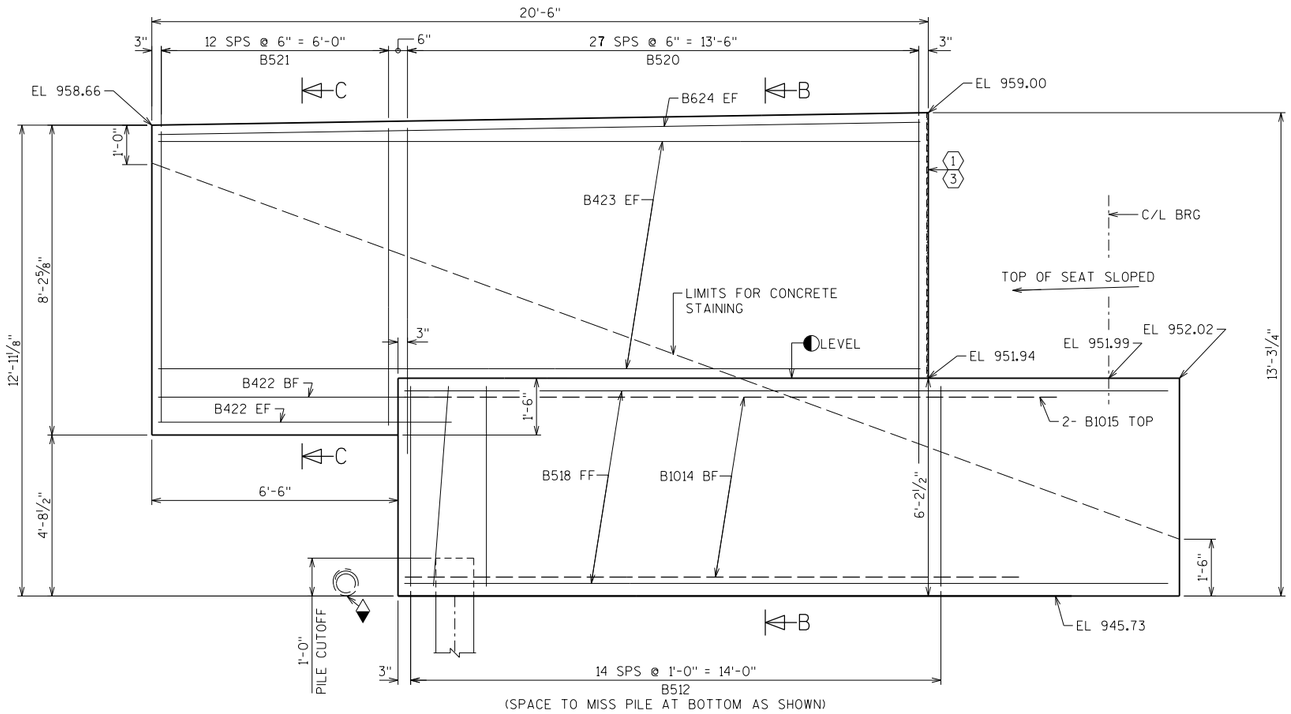


PLAN - WING 3

NOTES

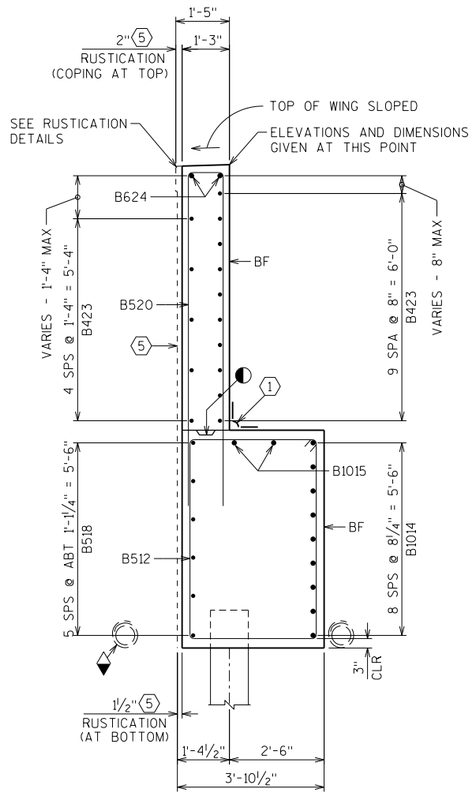
SEE SHEET 10 FOR LEGEND AND ABUTMENT NOTES.

THIS SHEET TO BE USED IN CONJUNCTION WITH SHEETS 10, 11, 13 & 14.

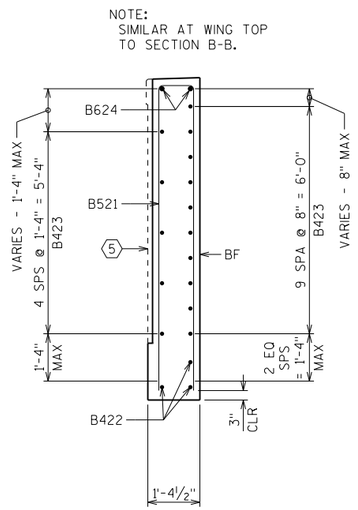


ELEVATION - WING 3

(RUSTICATION NOT SHOWN FOR CLARITY)



SECTION B-B



SECTION C-C

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

NORTH ABUTMENT WING 3 DETAILS

SHEET 12 OF 33

463

8

8

PLOT DATE: 11/6/2017 PLOT TIME: 11:32:50 AM

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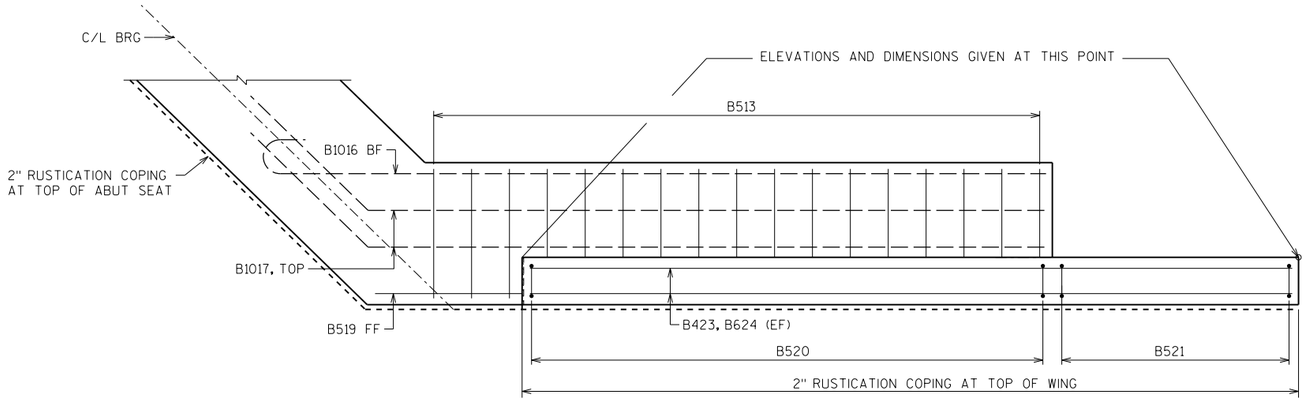
STATE PROJECT NUMBER
1007-11-71

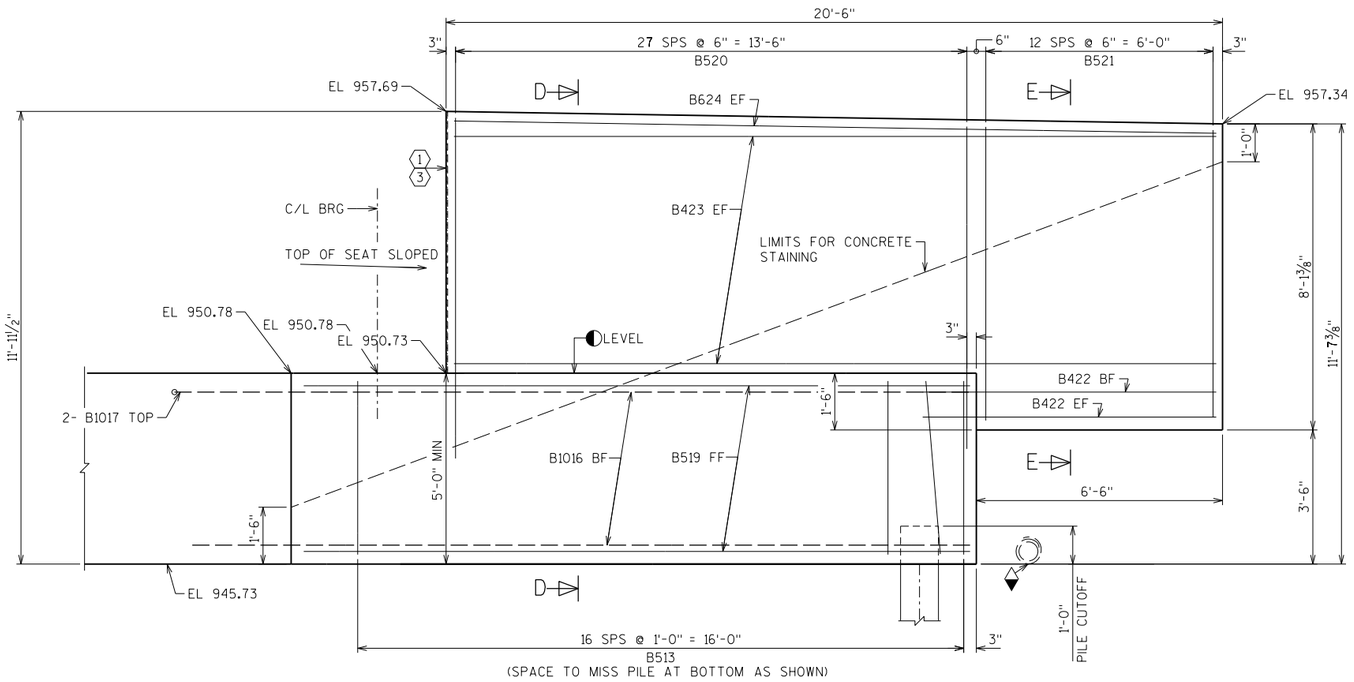


PLAN - WING 4

NOTES

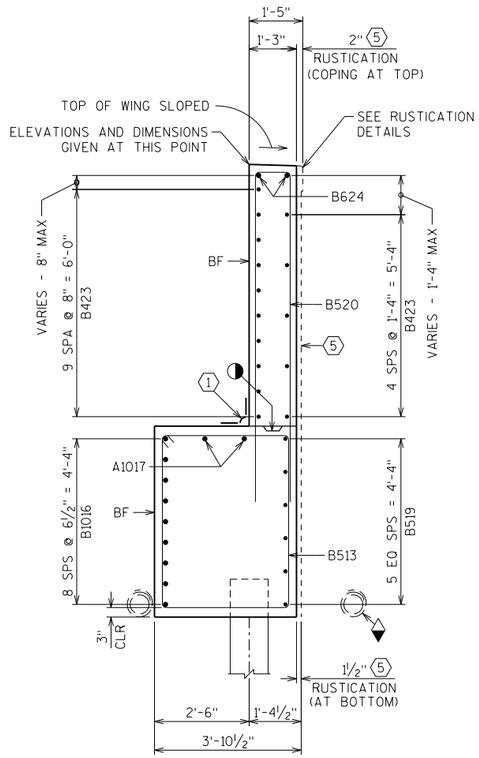
SEE SHEET 10 FOR LEGEND AND ABUTMENT NOTES.

THIS SHEET TO BE USED IN CONJUNCTION WITH SHEETS 10, 11, 12 & 14.

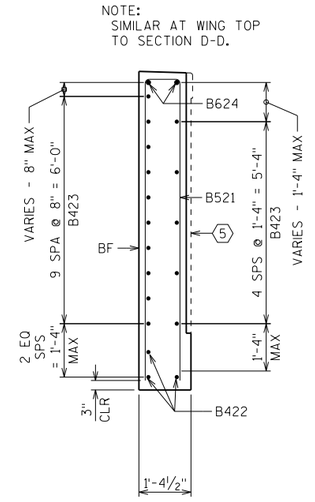


ELEVATION - WING 4

(RUSTICATION NOT SHOWN FOR CLARITY)



SECTION D-D



SECTION E-E

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

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NORTH ABUTMENT WING 4 DETAILS

SHEET 13 OF 33

464

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PLOT DATE: 11/6/2017 PLOT TIME: 11:32:50 AM

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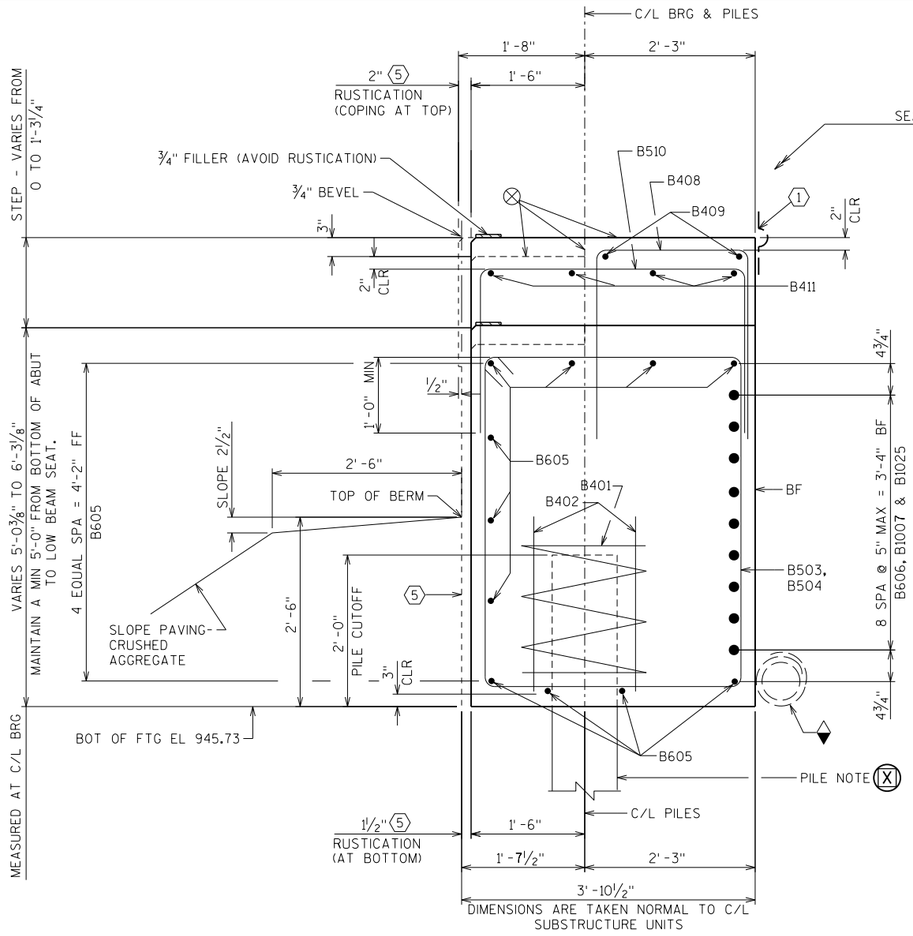
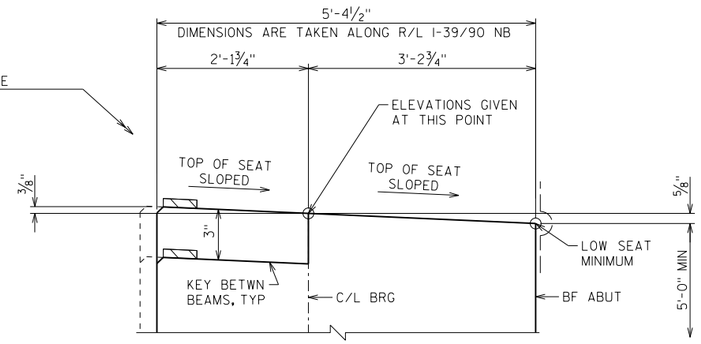
STATE PROJECT NUMBER
1007-11-71



SECTION A-A
TYPICAL SECTION THRU BODY



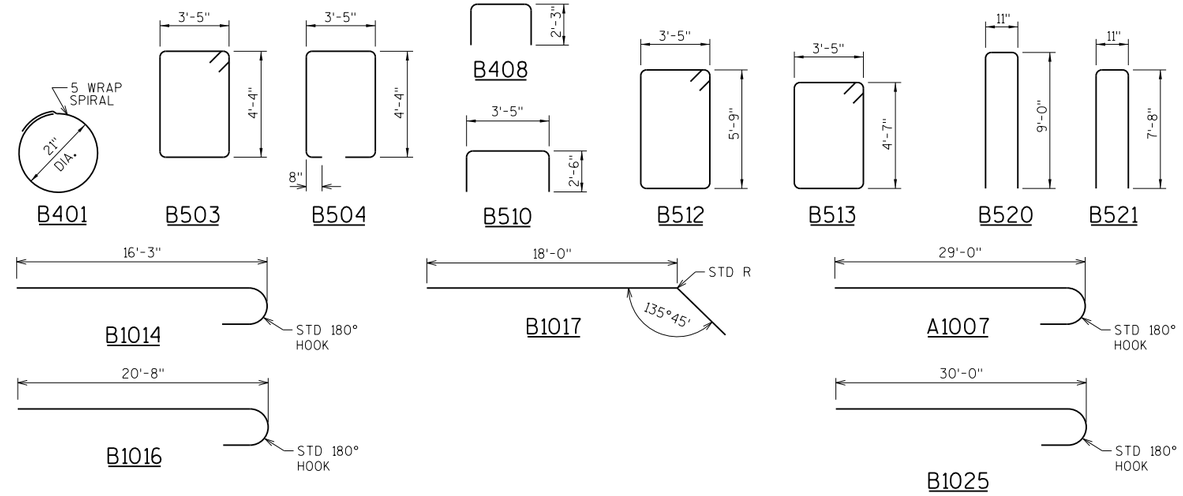
SEAT SLOPE DETAIL
NORTH ABUT

NOTE: THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE ENGLISH BAR DIAMETER SIZE.

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

BILL OF BARS — NORTH ABUT

BAR MARK	COAT	NO. REQ'D.	LENGTH (FT-IN)	BAR SERIES	BENT	LOCATION
B401		18	27 - 0		X	BODY AT PILES
B402		36	2 - 3			BODY AT PILES
B503		96	16 - 2		X	BODY STIRRUP
B504		20	13 - 8		X	BODY STIRRUP AT PILE
B605		44	27 - 0			BODY HORIZ
B606		18	25 - 9			BODY HORIZ BF
B1007		9	30 - 5		X	BODY HORIZ BF
B408		95	6 - 3		X	BODY VERT TOP
B409		8	26 - 4			BODY HORIZ TOP
B510		74	8 - 2		X	BODY VERT TOP
B411		12	26 - 4			BODY HORIZ TOP
B512		15	18 - 6		X	WING 3 STIRRUP
B513		17	16 - 8		X	WING 4 STIRRUP
B1014		9	17 - 8		X	WING 3 BF
B1015		2	17 - 11			WING 3 TOP
B1016		9	22 - 1		X	WING 4 BF
B1017		2	22 - 4		X	WING 4 TOP
B518	X	6	20 - 2			WING 3 FF
B519	X	6	17 - 9			WING 4 FF
B520	X	56	18 - 8		X	WING 3 & 4 VERT
B521	X	26	16 - 0		X	WING 3 & 4 VERT
B422	X	6	7 - 9			WING HORIZ EF
B423	X	30	20 - 1			WING HORIZ EF
B624	X	4	20 - 1			WING HORIZ EF TOP
B1025		9	31 - 5		X	BODY HORIZ BF



LEGEND CONT. (FROM SHEET 10)

(5) LIMITS OF ARCHITECTURAL SURFACE TREATMENT RUSTICATION. FOR DETAILS SEE "AESTHETIC DETAILS" SHEET.

⊗ STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03"

PILE NOTE (X)

NORTH ABUTMENT SUPPORTED ON HP12 X 53 PILING EST 70' LONG, EXCAVATE TO BOTTOM OF FOOTING BEFORE DRIVING PILES.

SEE FOUNDATION DATA ON SHEET 1.

IF THE CENTER OF A PROPOSED PILE IS WITHIN 2'-6" FROM CENTER OF AN EXISTING PILE, THE EXISTING PILE CAN BE REMOVED OR THE PROPOSED PILE SPACING CAN BE ADJUSTED, WITH THE PRIOR APPROVAL FROM THE ENGINEER. THE COST OF REMOVING EXISITNG PILES AND ADJUSTING THE SPACING IS INCIDENTAL TO REMOVING OLD STRUCTURE STATION 2052'NB'+80.40.

FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE
EXIST = EXISTING

NOTES

THIS SHEET TO BE USED IN CONJUNCTION WITH SHEETS 10, 11, 12 & 13.

SEE SHEET 10 FOR LEGEND AND ABUTMENT NOTES.

FOR PILE SPLICE DETAIL SEE SHEET 3.

FOR BEARING PAD DETAIL SEE SUPERSTRUCTURE SHEETS.

FOR RUSTICATION DETAILS SEE SHEET 32.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

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NORTH ABUTMENT DETAILS

SHEET 14 OF 33
465

PLOT DATE: 11/6/2017 PLOT TIME: 11:32:51 AM

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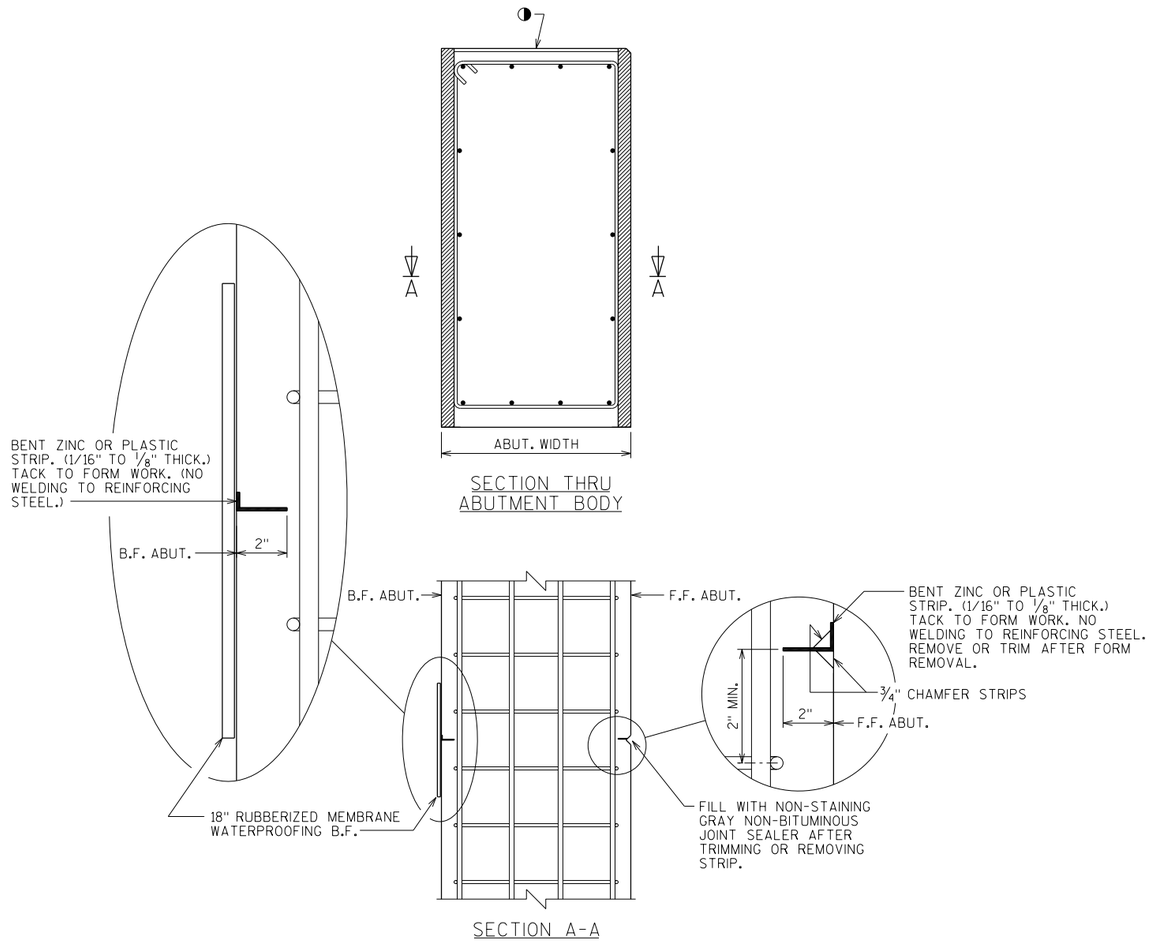

SECTION THRU ABUTMENT BODY

SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

◑ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY ½" DEEP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURE B-13-715

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ALTERNATE CONSTRUCTION JOINT

SHEET 15 OF 33

466

7-15
ALTJOINT

8

8

FILE NAME : S:\AE\D\Done\N25226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715\dgn\b13715_altjoint.dgn

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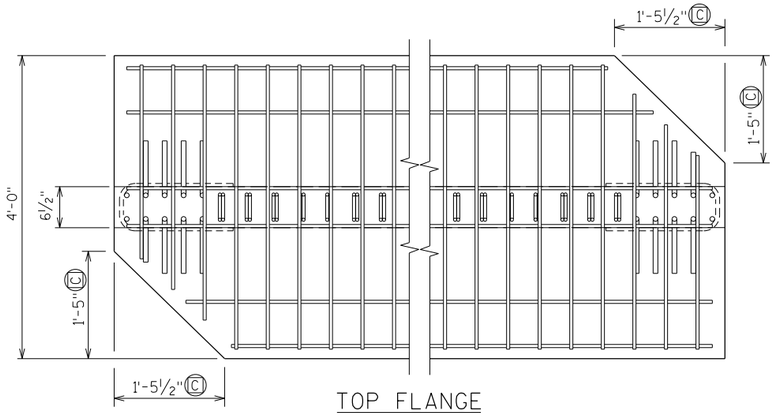
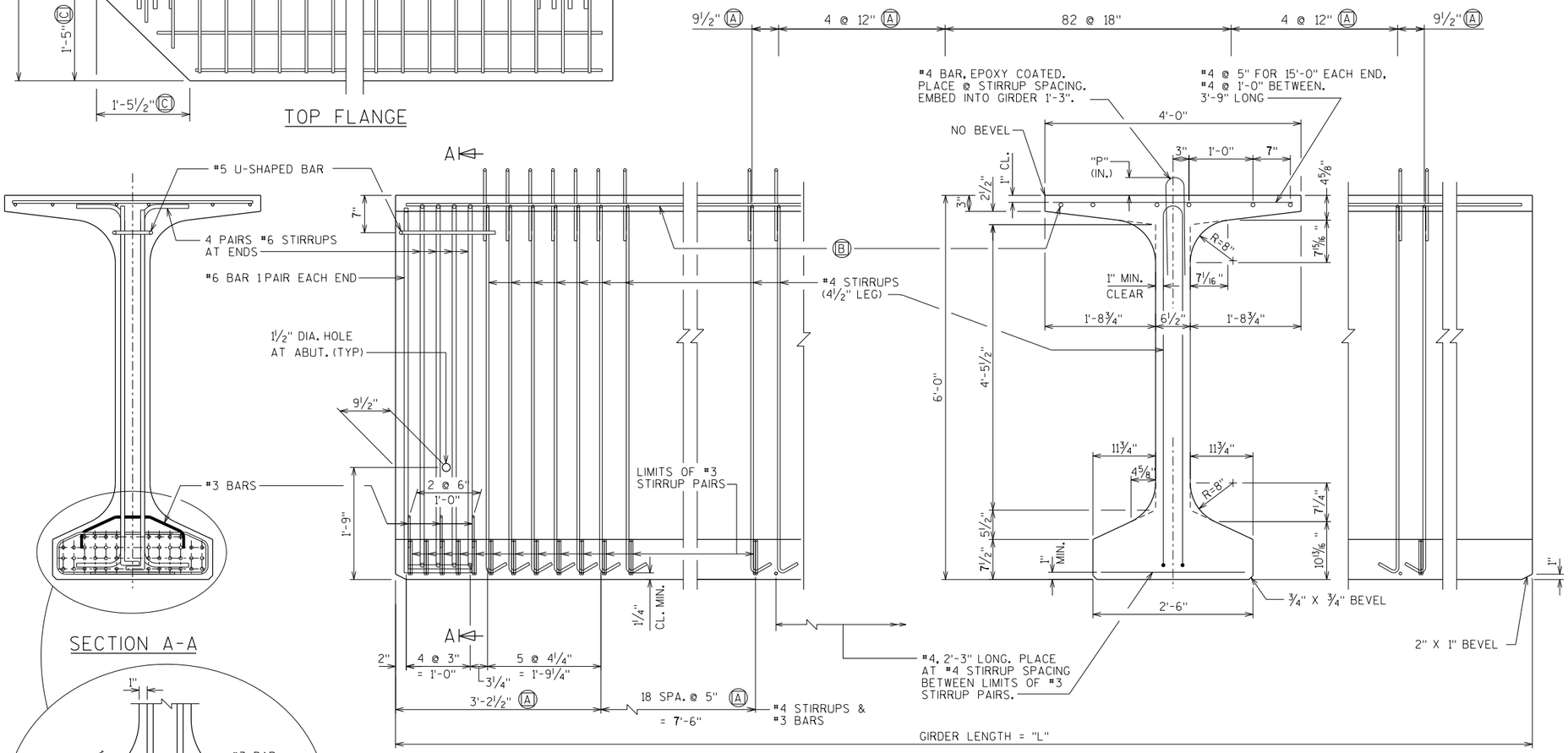
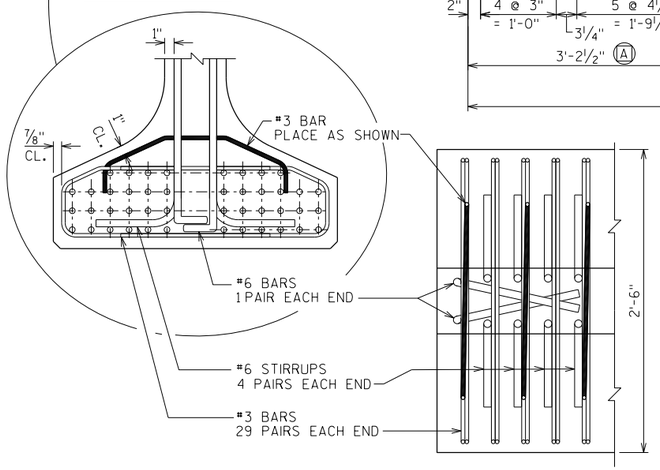


TOP FLANGE



SECTION A-A



BOTTOM FLANGE

SIDE VIEW & TYP. SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #6 BARS, FULL LENGTH, MIN. LAP = 3'-6"

Ⓒ REINFORCEMENT MAY BE CUT TO FIT THE FLANGE CLIP.

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 15" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 15" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

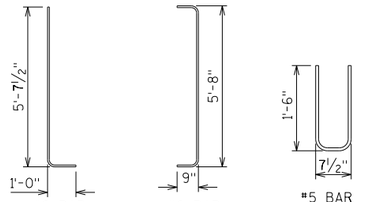
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM DETAILS" SHEET.

FOR STORAGE, HANDLING AND TRANSPORTING, THIS GIRDER IS REINFORCED TO ALLOW A MAXIMUM OVERHANG FROM THE LIFTING LOCATION OR POINT OF SUPPORT UP TO 1/10 OF GIRDER LENGTH. THE CONTRACTOR IS RESPONSIBLE FOR LATERAL STABILITY OF THE GIRDER UNTIL THE DECK IS CURED.



✳ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.)									CONC. STRGTH. f'c (p.s.i.)	"P" 1ST ⅓ OF GIRDER	"P" MID ⅓ OF GIRDER	"P" END ⅓ OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN						UNDRAPED PATTERN	
			1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10						TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳
1	ALL	154'-0"	⅞	1⅝	2¼	2⅝	2¾	2⅝	2¼	1⅝	⅞	8.0	8	7	8	0.6	48	6.8	67	20.5	23.5	5	-	-

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DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

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72W" PRESTRESSED GIRDER DETAILS

SHEET 16 OF 33
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1-17
G72W

PLOT DATE: 11/6/2017 PLOT TIME: 11:32:51 AM
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STATE PROJECT NUMBER
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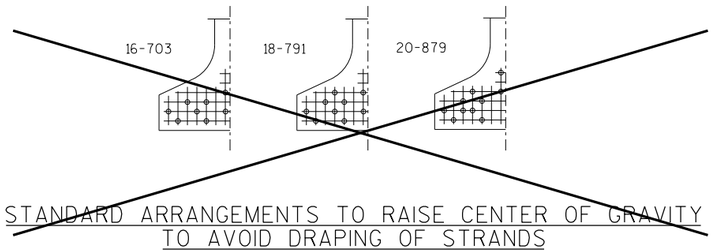
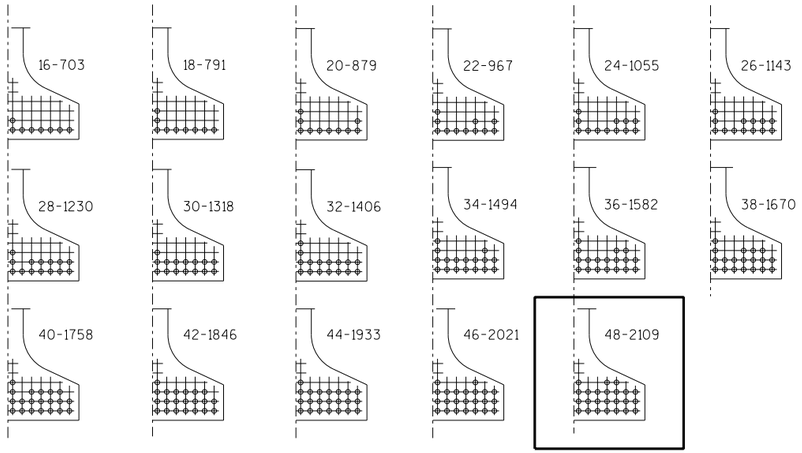


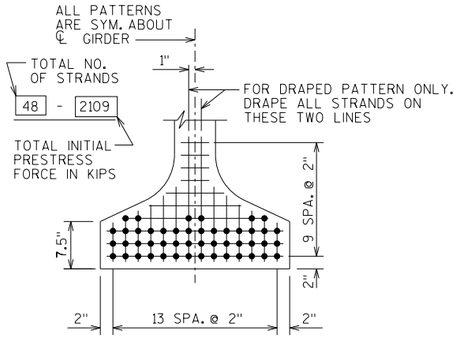
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6"ϕ STRANDS

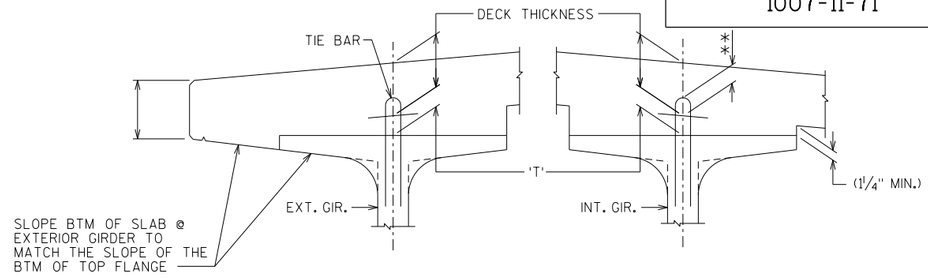


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6"ϕ STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

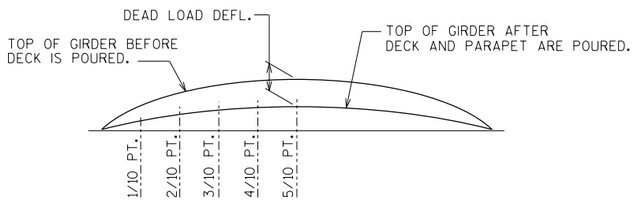
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

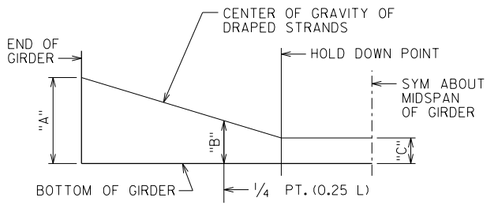
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 4" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	4.50

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

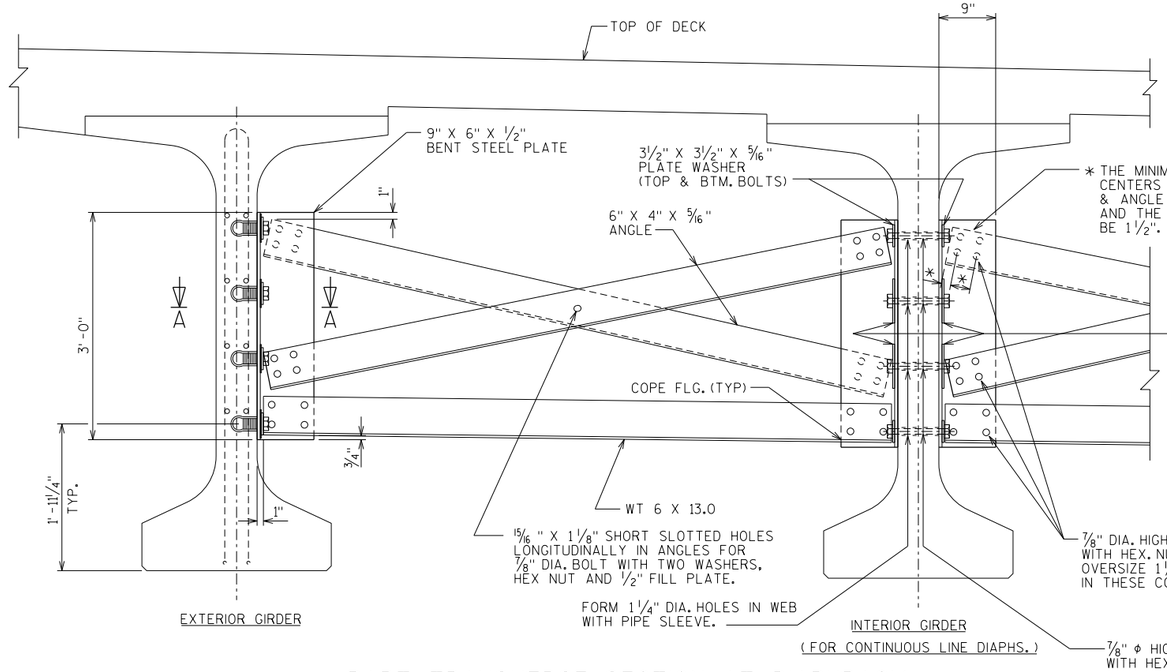
72W" PRESTRESSED GIRDER DETAILS

SHEET 17 OF 33
468

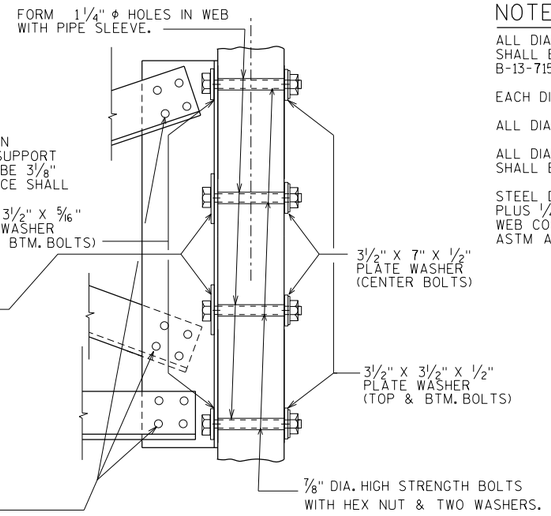
G72W
9-16

PLOT DATE: 11/6/2017 PLOT TIME: 11:32:51 AM
FILE NAME : S:\AE\D\Donel\25226\5-final-dgn\5l-drawings\20-Struct\BRIDGE\b-13-715\dgn\b1315_g72w.dgn

STATE PROJECT NUMBER
1007-11-71



PART TRANSVERSE SECTION AT DIAPHRAGM



SECTION AT INTERIOR GIRDERS
(FOR STAGGERED DIAPHRAGMS)

NOTES

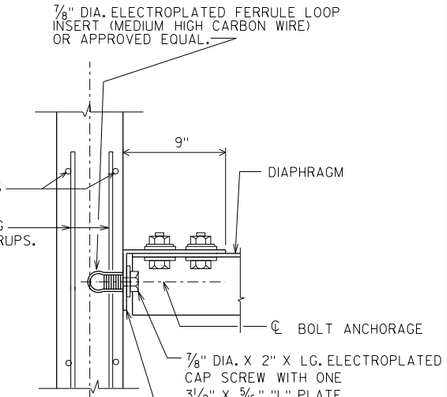
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-715", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

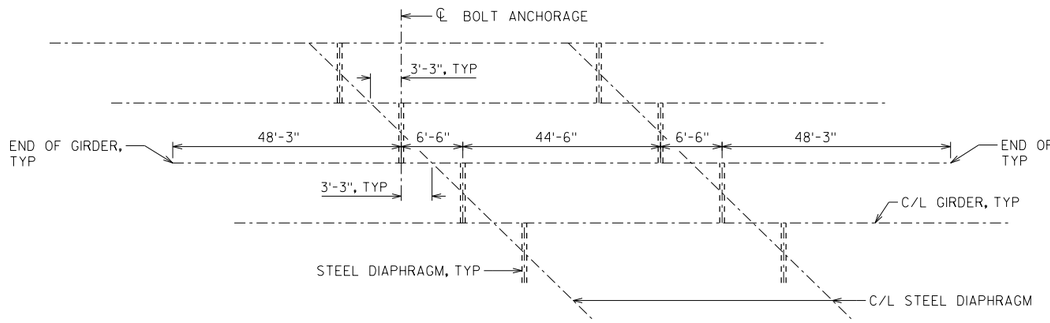
ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS 1/4 TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

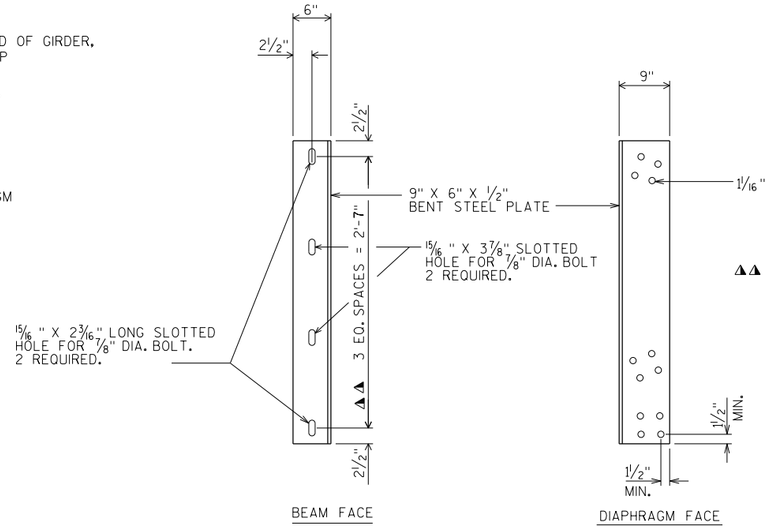


SECT. A-A
(FOR EXTERIOR ATTACHMENT)

"L" = 3 1/2"; TOP AND BOTTOM BOLTS
"L" = 7"; CENTER BOLTS



PARTIAL PLAN
DIAPHRAGM INSERT SPACING



▲▲ BOLT HOLES SHALL BE SPACED SO AS TO MISS PRESTRESSED STRANDS IN CONCRETE BEAMS.

DIAPHRAGM SUPPORT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

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STEEL DIAPHRAGM DETAILS

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1-17
GSTDIA70

FILE NAME : S:\AE\D\Done\12526\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715\dgn\b1315_gstdia70.dgn
PLOT DATE: 11/6/2017
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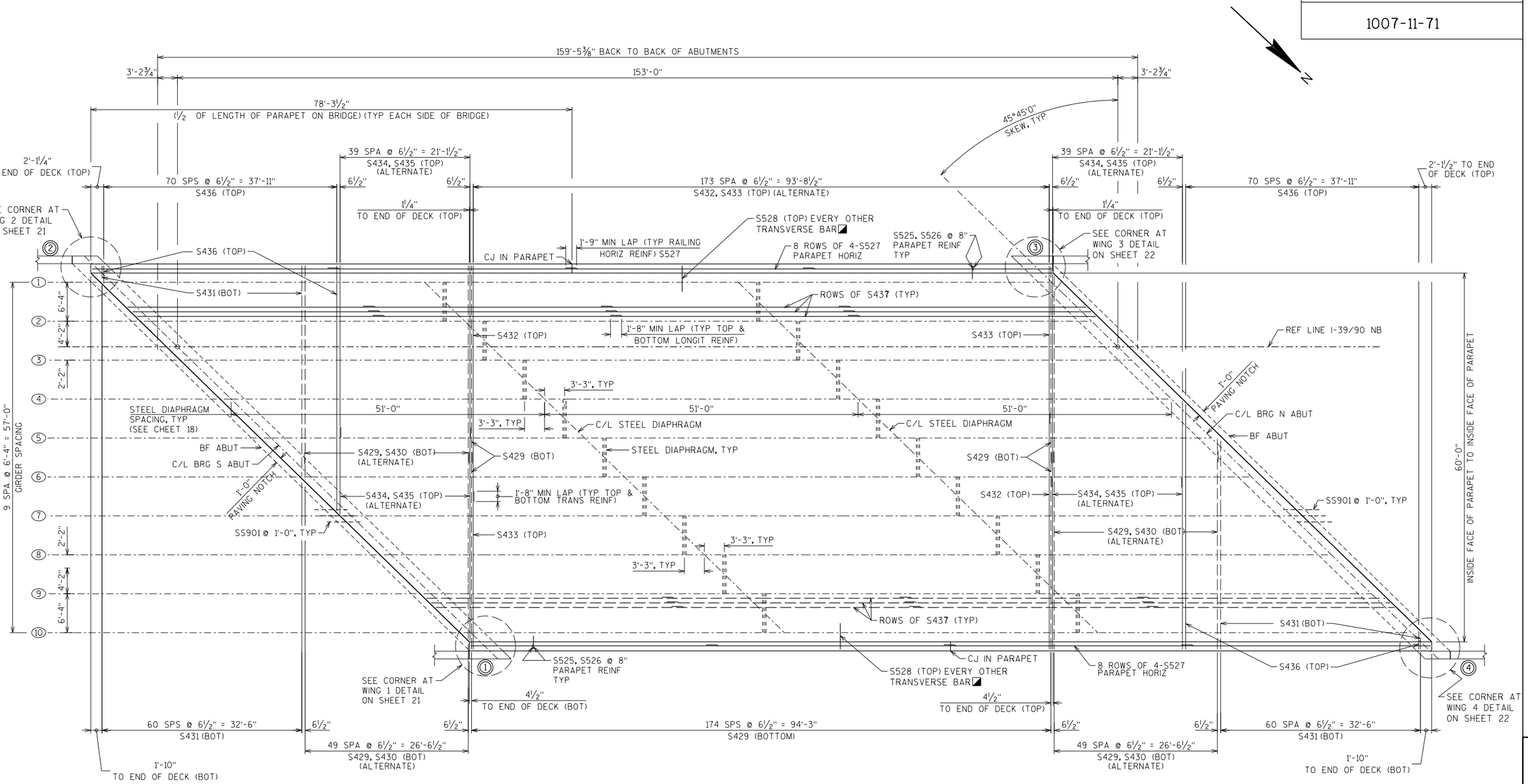
STATE PROJECT NUMBER
1007-11-71



DECK PLAN
(SHOWING REINFORCEMENT)

LEGEND

◪ PLACE S528 @ 6½" BETWEEN EVERY TRANSVERSE BAR IN THE TOP MAT.

◯ INDICATES NEW GIRDER LINE.

——— INDICATES TOP BAR REINFORCEMENT

– – – – – – INDICATES BOTTOM BAR REINFORCEMENT

FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE
EXIST = EXISTING
BOT = BOTTOM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

SUPERSTRUCTURE

SHEET 19 OF 33
470

PLOT DATE: 11/6/2017 PLOT TIME: 11:32:52 AM

FILE NAME : S:\AE\D\Donel\25226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715\dgn\b13715ssi.dgn

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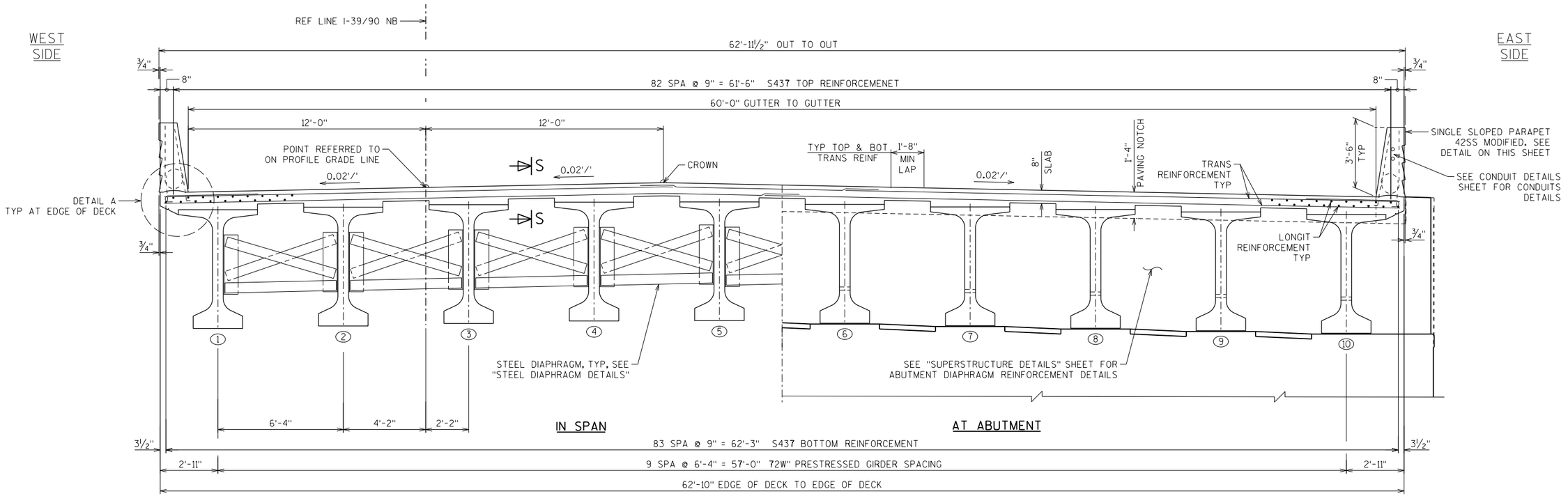
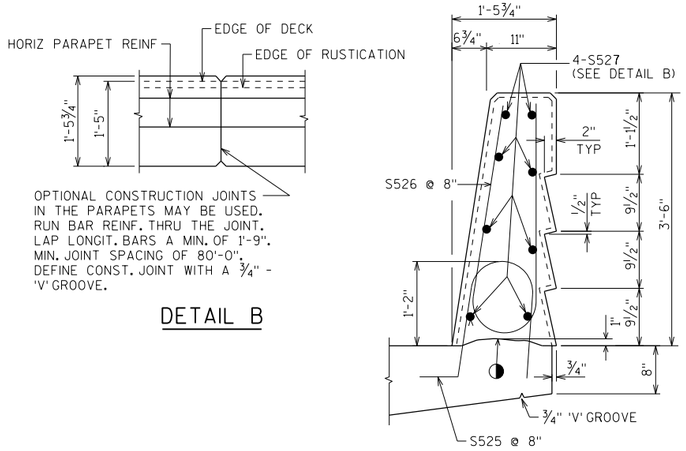
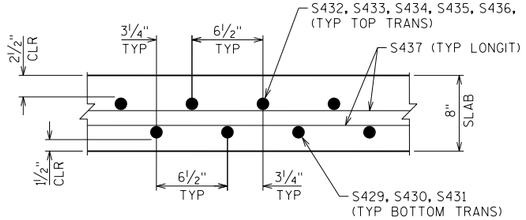


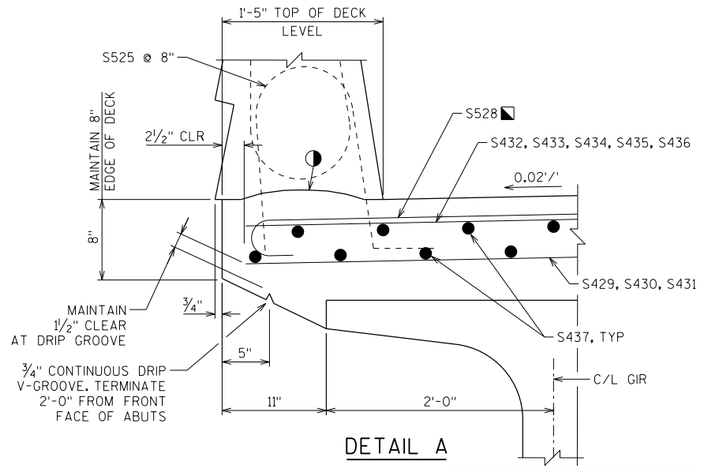


SECTION THRU PARAPET ON BRIDGE
(SINGLE SLOPE PARAPET 42SS MODIFIED)



SECTION S-S

TYPICAL CROSS SECTIN THRU DECK
(LOOKING NORTH)



DETAIL A

LEGEND

- PLACE S528 @ 6½" BETWEEN EVERY TRANSVERSE BAR IN THE TOP MAT.
- CONSTRUCTION JOINT. STRIKE OFF AS SHOWN.
- INDICATES NEW GIRDER LINE.

FF = FRONT FACE
BF = BACK FACE
EF = EACH FACE
EXIST = EXISTING
BOT = BOTTOM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

SUPERSTRUCTURE CROSS SECTION

SHEET 20 OF 33
471

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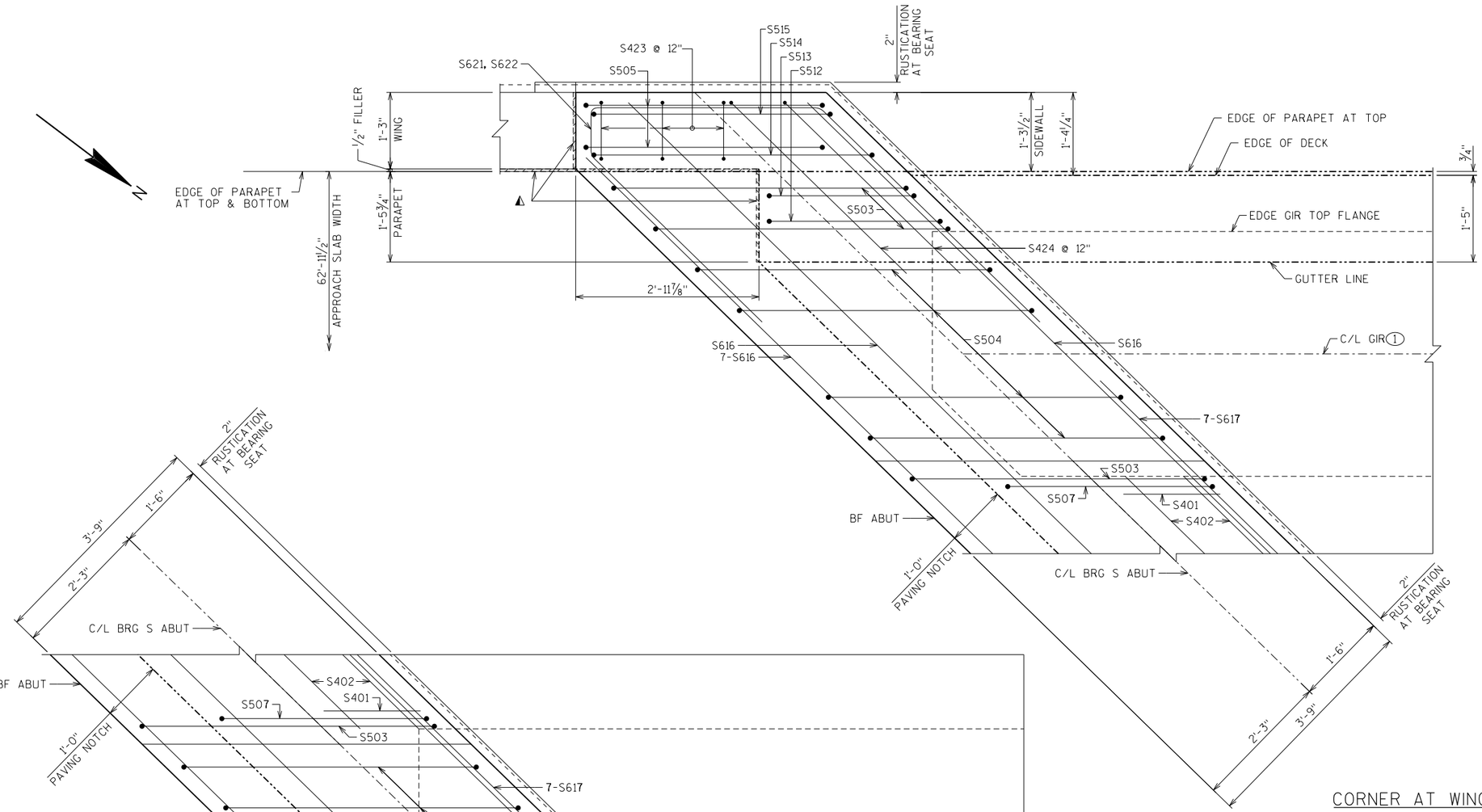
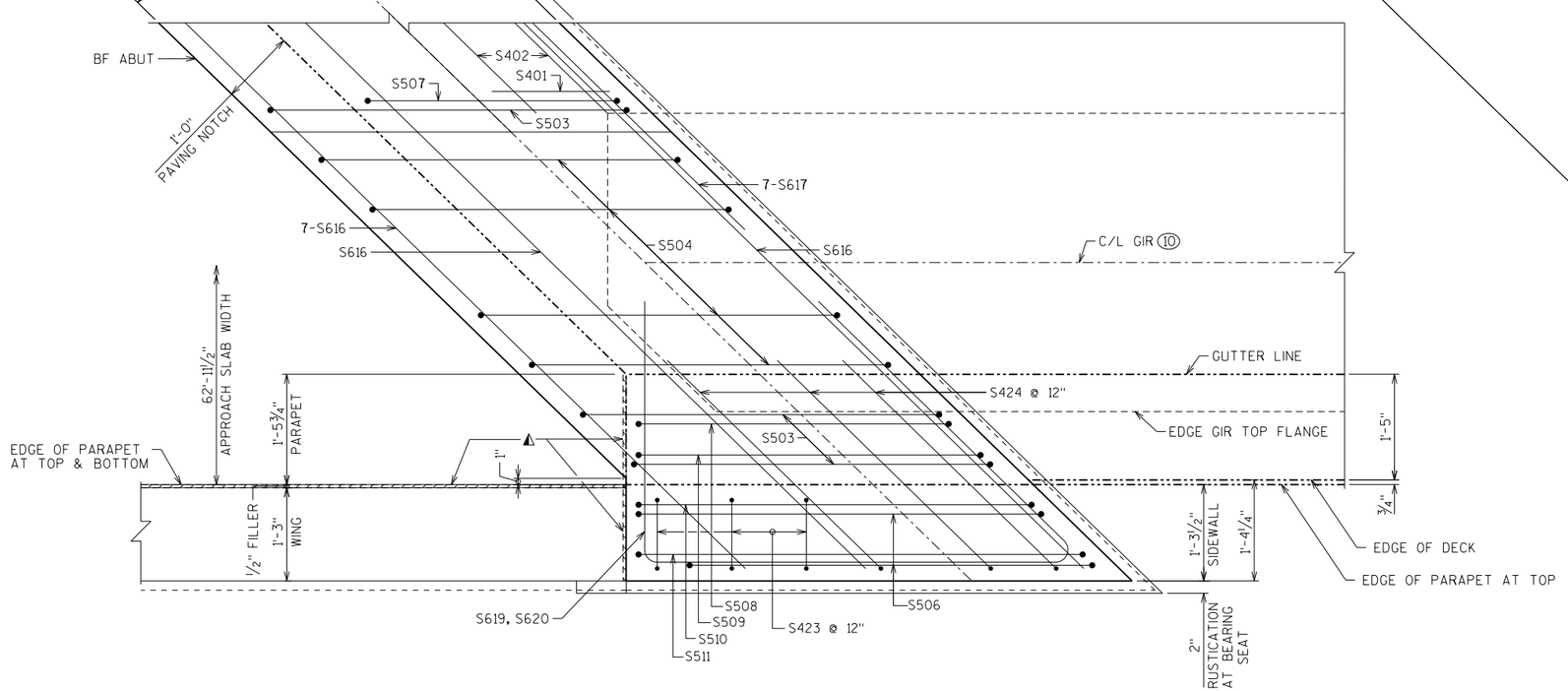
PLOT TIME: 11:32:52 AM
PLOT DATE: 11/6/2017
FILE NAME : S:\AE\D\Danel\125226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715\dgn\b13715ss2.dgn

STATE PROJECT NUMBER
1007-11-71



CORNER AT WING 2 DETAIL



CORNER AT WING 1 DETAIL

LEGEND

▲ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER, (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

SUPERSTRUCTURE CORNER DETAILS

SHEET 21 OF 33
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8

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PLOT DATE: 11/6/2017 PLOT TIME: 11:32:52 AM

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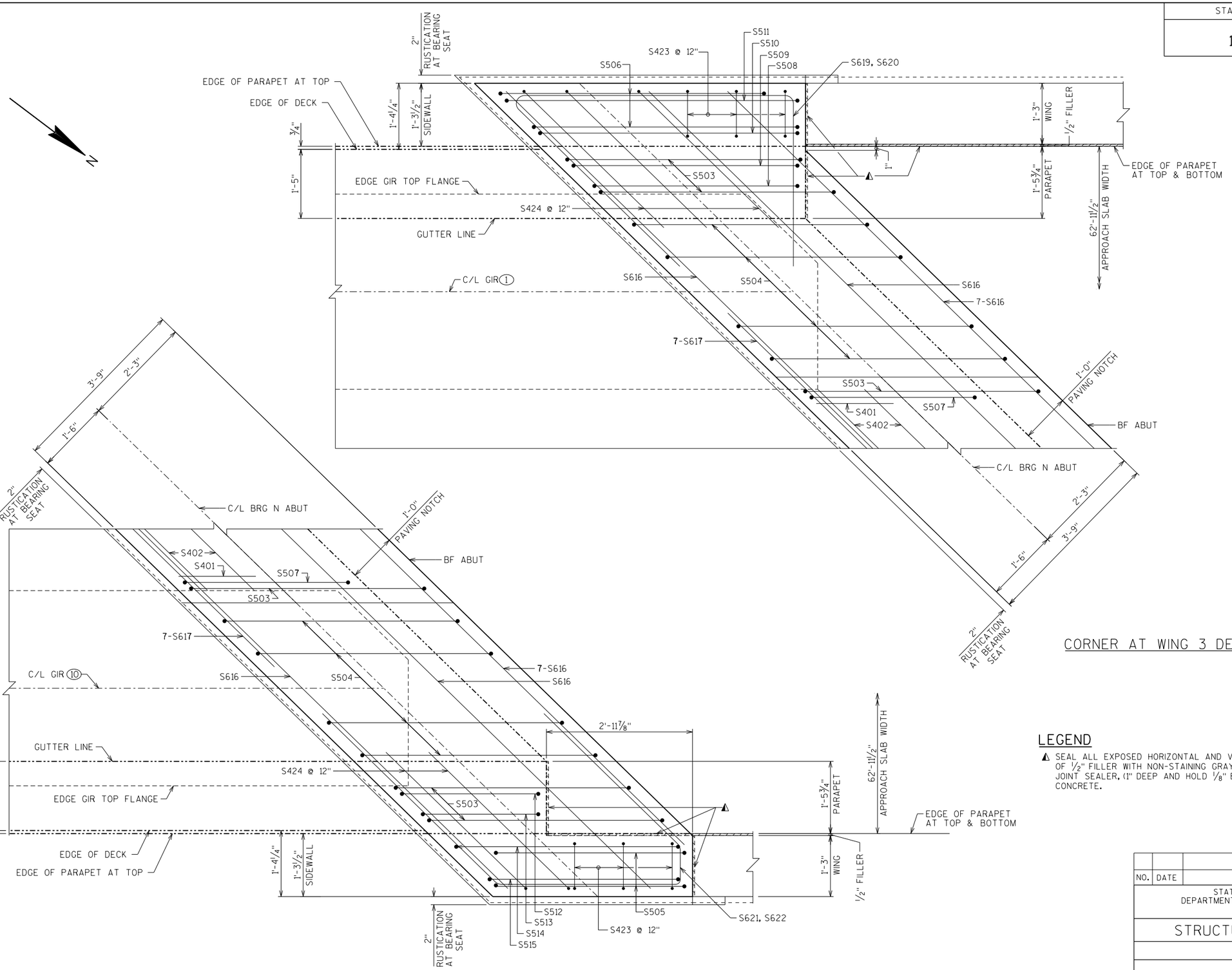
STATE PROJECT NUMBER
1007-11-71



CORNER AT WING 3 DETAIL

CORNER AT WING 4 DETAIL

LEGEND

1 SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER, (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

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SUPERSTRUCTURE CORNER DETAILS

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FILE NAME : S:\AE\D\Done\I25226\S-final-dgn\S1-drawings\20-Struct\BRIDGE\b-13-715\dgn\b13715ss4.dgn
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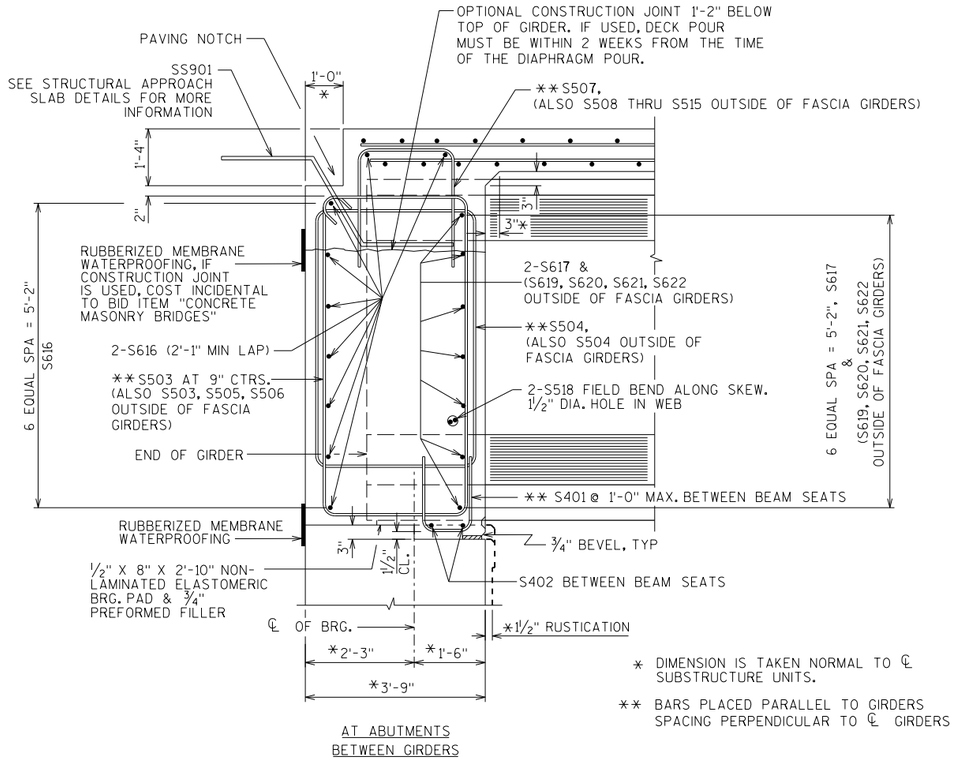
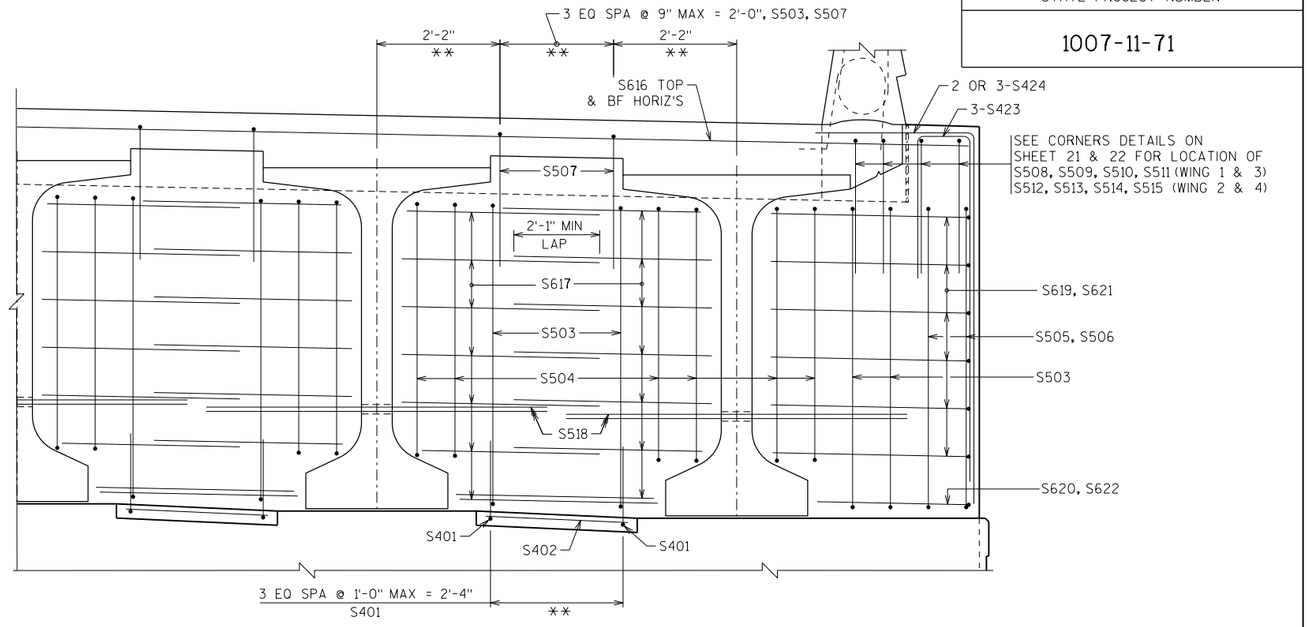


* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS

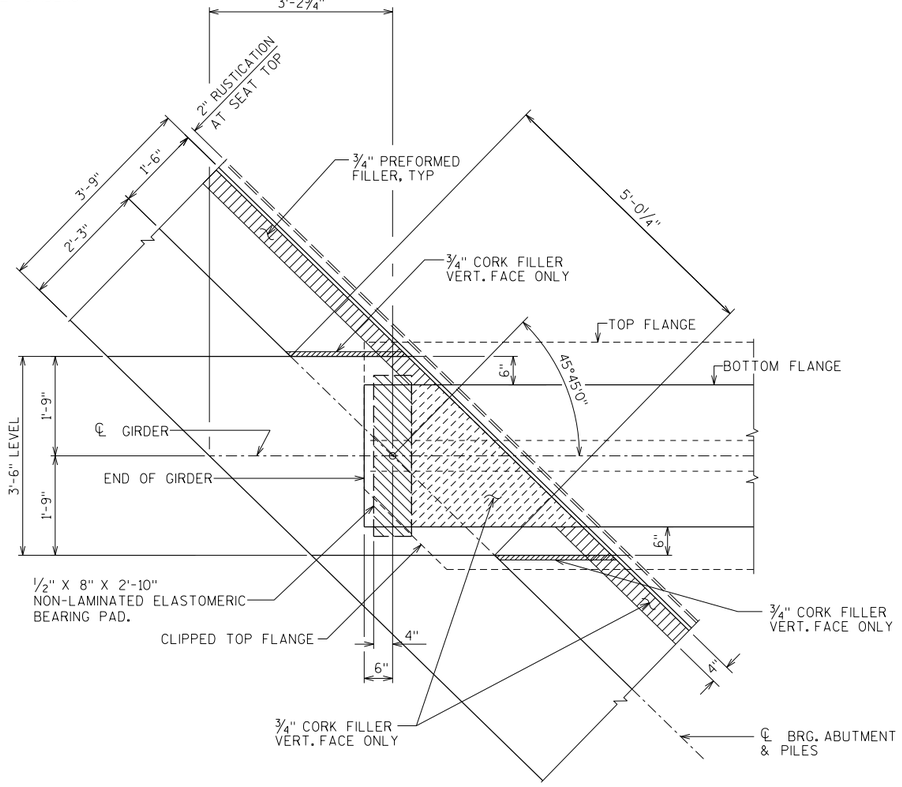
AT ABUTMENTS
BETWEEN GIRDERS

PART LONGIT. SECTION



PARTIAL TRANSVERSE SECTION AT ABUTMENT DIAPHRAGM

(DECK REINFORCEMENT NOT SHOWN FOR CLARITY)
(S616 BF HORIZ NOT SHOWN FOR CLARITY)



BEARING PAD DETAIL

STATE PROJECT NUMBER

1007-11-71

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

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SUPERSTRUCTURE DETAILS

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PLOT DATE: 11/6/2017 PLOT TIME: 11:32:52 AM
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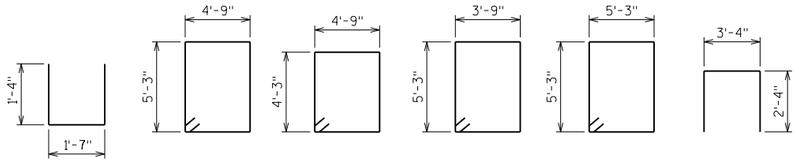
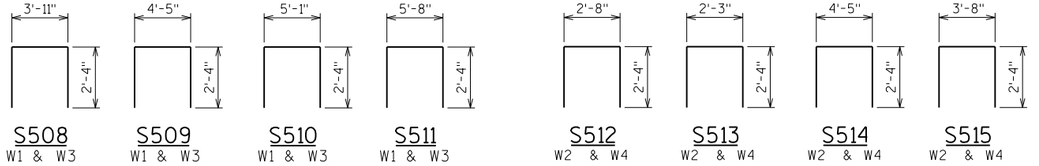
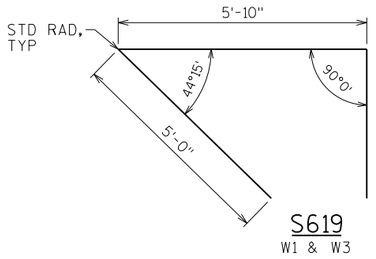
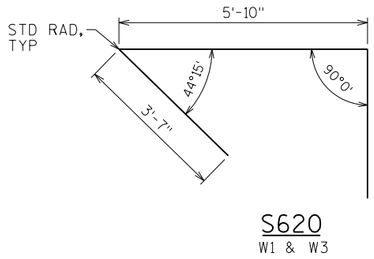
STATE PROJECT NUMBER

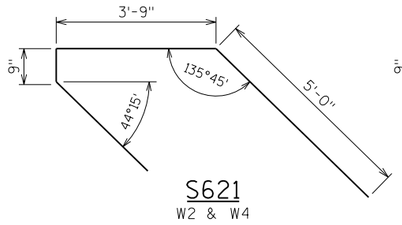
1007-11-71

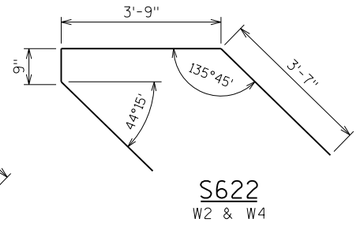


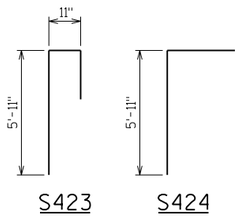


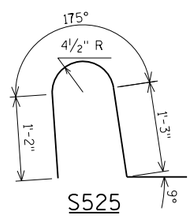


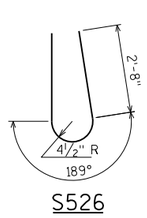


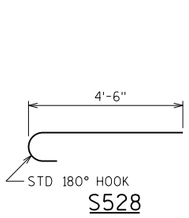












NOTE: THE FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE ENGLISH BAR DIAMETER SIZE.

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

▲LENGTH SHOWN IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE AND BENDING DETAILS FOR ACTUAL LENGTHS.

BILL OF BARS — SUPERSTRUCTURE

BAR MARK	COAT	NO. REQ'D.	LENGTH (FT-IN)	BAR SERIES	BENT	LOCATION
S401	X	72	4 - 1		X	ABUT DIAPH VERT KEY
S402	X	36	3 - 4			ABUT DIAPH HORIZ KEY
S503	X	80	20 - 8		X	ABUT DIAPH STIRRUP
S504	X	80	18 - 8		X	ABUT DIAPH STIRRUP
S505	X	4	18 - 8		X	ABUT DIAPH STIRRUP WING 2 & 4
S506	X	4	21 - 8		X	ABUT DIAPH STIRRUP WING 1& 3
S507	X	72	7 - 9		X	ABUT DIAPH VERT
S508	X	2	8 - 4		X	ABUT DIAPH VERT WING 1& 3
S509	X	2	8 - 10		X	ABUT DIAPH VERT WING 1& 3
S510	X	2	9 - 6		X	ABUT DIAPH VERT WING 1& 3
S511	X	2	10 - 1		X	ABUT DIAPH VERT WING 1& 3
S512	X	2	7 - 1		X	ABUT DIAPH VERT WING 2 & 4
S513	X	2	6 - 8		X	ABUT DIAPH VERT WING 2 & 4
S514	X	2	8 - 10		X	ABUT DIAPH VERT WING 2 & 4
S515	X	2	8 - 1		X	ABUT DIAPH VERT WING 2 & 4
S616	X	36	47 - 10			ABUT DIAPH HORIZ
S617	X	252	5 - 0			ABUT DIAPH HORIZ BETW GIRS FF
S518	X	40	6 - 0			ABUT DIAPH HORIZ THRU GIRS
S619	X	12	14 - 2		X	ABUT DIAPH HORIZ AT WING 1& 3
S620	X	2	11 - 9		X	ABUT DIAPH HORIZ AT WING 1& 3
S621	X	12	13 - 2		X	ABUT DIAPH HORIZ AT WING 2 & 4
S622	X	2	10 - 3		X	ABUT DIAPH HORIZ AT WING 2 & 4
S423	X	12	9 - 0		X	ABUT DIAPH VERT AT SIDEWALL
S424	X	10	9 - 11		X	ABUT DIAPH VERT AT SIDEWALL
S525	X	470	4 - 5		X	PARAPET VERT
S526	X	470	6 - 8		X	PARAPET VERT
S527	X	64	40 - 6			PARAPET HORIZ
S528	X	566	5 - 2		X	SLAB TRANS TOP AT OVERHANGS
S429	X	450	32 - 10			SLAB TRANS BOTTOM
S430	X	100	17 - 6	▲		SLAB TRANS BOTTOM
S431	X	122	18 - 7	▲		SLAB TRANS BOTTOM
S432	X	174	38 - 5			SLAB TRANS TOP
S433	X	174	25 - 9			SLAB TRANS TOP
S434	X	80	28 - 0			SLAB TRANS TOP
S435	X	80	24 - 5	▲		SLAB TRANS TOP
S436	X	142	21 - 5	▲		SLAB TRANS TOP
S437	X	668	40 - 10			SLAB LONGIT TOP AND BOTTOM

BAR SERIES TABLE — SUPERSTRUCTURE

BAR MARK	NO. REQ'D.	LENGTH	BENT	LOCATION
S430	2 SERIES OF 50	4'-7" TO 30'-5"		SLAB TRANS BOT
S431	2 SERIES OF 61	2'-8" TO 34'-4"		SLAB TRANS BOT
S435	2 SERIES OF 40	14'-2" TO 34'-8"		SLAB TRANS TOP
S436	2 SERIES OF 71	2'-11" TO 39'-11"		SLAB TRANS TOP

BUNDLE AND TAG EACH SERIES SEPARATELY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

SUPERSTRUCTURE DETAILS

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PLOT DATE: 11/6/2017 PLOT TIME: 11:32:53 AM

FILE NAME : S:\AE\D\Donel\12226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715\dgn\b13715ss6.dgn

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FINAL TOP OF DECK ELEVATIONS - B-13-715

	C/L BRG S ABUT	0.1 PT	0.2 PT	0.3 PT	0.4 PT	0.5 PT	0.6 PT	0.7 PT	0.8 PT	0.9 PT	C/L BRG N ABUT
WEST EDGE OF DECK	961.49	961.25	961.00	960.76	960.52	960.27	960.03	959.78	959.53	959.28	959.03
GIRDER 1	961.49	961.25	961.01	960.77	960.52	960.28	960.03	959.79	959.54	959.29	959.03
GIRDER 2	961.52	961.28	961.03	960.79	960.55	960.30	960.05	959.81	959.56	959.31	959.05
PROFILE GRADE LINE REF LINE I-39/90 NB	961.53	961.29	961.05	960.81	960.56	960.32	960.07	959.82	959.57	959.32	959.07
GIRDER 3	961.54	961.30	961.06	960.81	960.57	960.32	960.08	959.83	959.58	959.33	959.07
GIRDER 4	961.57	961.32	961.08	960.84	960.59	960.35	960.10	959.85	959.60	959.35	959.09
GIRDER 5	961.48	961.23	960.99	960.75	960.50	960.25	960.00	959.76	959.50	959.25	959.00
GIRDER 6	961.25	961.00	960.76	960.52	960.27	960.02	959.77	959.52	959.27	959.02	958.76
GIRDER 7	961.02	960.77	960.53	960.28	960.04	959.79	959.54	959.29	959.04	958.78	958.53
GIRDER 8	960.79	960.54	960.30	960.05	959.81	959.56	959.31	959.05	958.80	958.55	958.29
GIRDER 9	960.56	960.31	960.07	959.82	959.57	959.32	959.07	958.82	958.57	958.31	958.06
GIRDER 10	960.33	960.08	959.84	959.59	959.34	959.09	958.84	958.59	958.33	958.08	957.82
EAST EDGE OF DECK	960.27	960.03	959.78	959.53	959.29	959.04	958.78	958.53	958.28	958.02	957.76

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

SUPERSTRUCTURE DECK ELEVATION TABLE

SHEET 25 OF 33

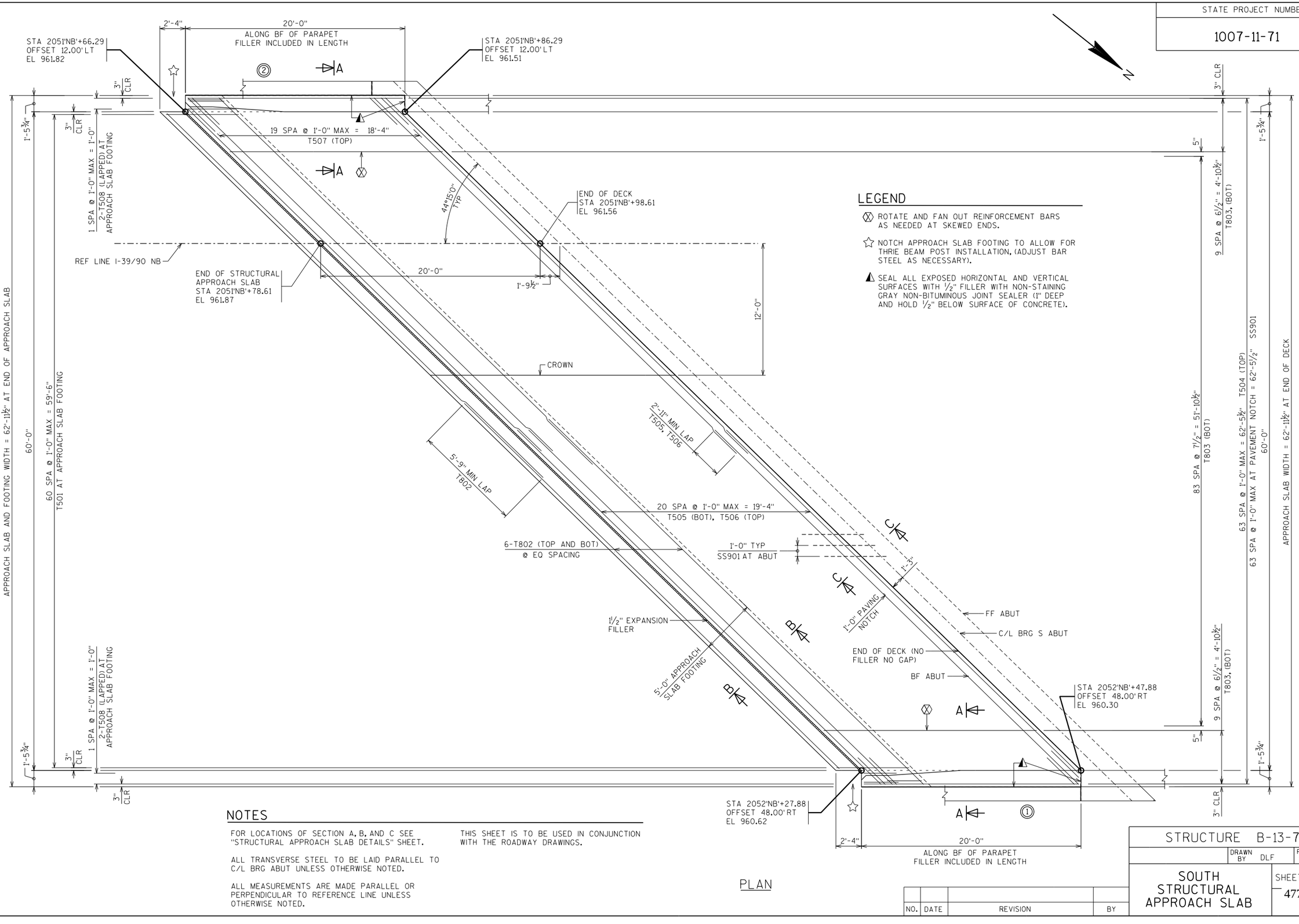
476

PLOT DATE: 11/6/2017 PLOT TIME: 11:32:53 AM

FILE NAME : S:\AE\D\Done\25226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715\dgn\b13715ss7.dgn

STATE PROJECT NUMBER

1007-11-71



LEGEND

- ⊗ ROTATE AND FAN OUT REINFORCEMENT BARS AS NEEDED AT SKEWED ENDS.
- ☆ NOTCH APPROACH SLAB FOOTING TO ALLOW FOR THRIE BEAM POST INSTALLATION, (ADJUST BAR STEEL AS NECESSARY).
- ◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES WITH ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD ½" BELOW SURFACE OF CONCRETE).

NOTES

FOR LOCATIONS OF SECTION A, B, AND C SEE "STRUCTURAL APPROACH SLAB DETAILS" SHEET.

ALL TRANSVERSE STEEL TO BE LAID PARALLEL TO C/L BRG ABUT UNLESS OTHERWISE NOTED.

ALL MEASUREMENTS ARE MADE PARALLEL OR PERPENDICULAR TO REFERENCE LINE UNLESS OTHERWISE NOTED.

THIS SHEET IS TO BE USED IN CONJUNCTION WITH THE ROADWAY DRAWINGS.

PLAN

NO.	DATE	REVISION	BY

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

SOUTH STRUCTURAL APPROACH SLAB

SHEET 26 OF 33

477

PLOT DATE: 11/6/2017 PLOT TIME: 11:32:53 AM

FILE NAME : S:\AE\D\Daniel\125226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715\dgn\b13715appro.dgn

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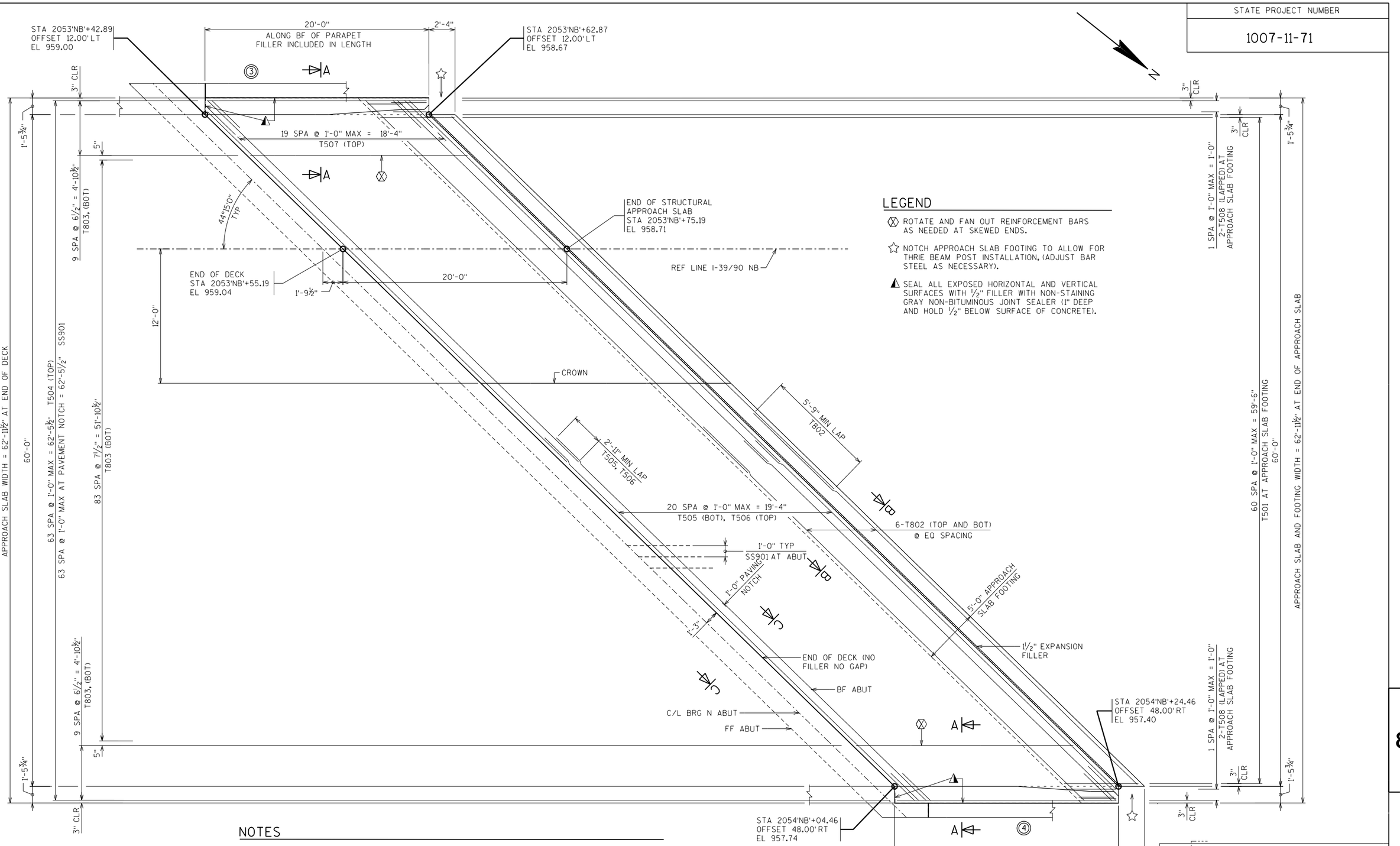
STATE PROJECT NUMBER

1007-11-71



LEGEND

- ⊗ ROTATE AND FAN OUT REINFORCEMENT BARS AS NEEDED AT SKEWED ENDS.
- ☆ NOTCH APPROACH SLAB FOOTING TO ALLOW FOR THRIE BEAM POST INSTALLATION, (ADJUST BAR STEEL AS NECESSARY).
- ◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES WITH ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD ½" BELOW SURFACE OF CONCRETE).

NOTES

FOR LOCATIONS OF SECTION A, B, AND C SEE "STRUCTURAL APPROACH SLAB DETAILS" SHEET.

ALL TRANSVERSE STEEL TO BE LAID PARALLEL TO C/L BRG ABUT UNLESS OTHERWISE NOTED.

ALL MEASUREMENTS ARE MADE PARALLEL OR PERPENDICULAR TO REFERENCE LINE UNLESS OTHERWISE NOTED.

THIS SHEET IS TO BE USED IN CONJUNCTION WITH THE ROADWAY DRAWINGS.

PLAN

NO.	DATE	REVISION	BY

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

NORTH STRUCTURAL APPROACH SLAB

SHEET 27 OF 33

478

PLOT DATE: 11/6/2017 PLOT TIME: 11:32:53 AM

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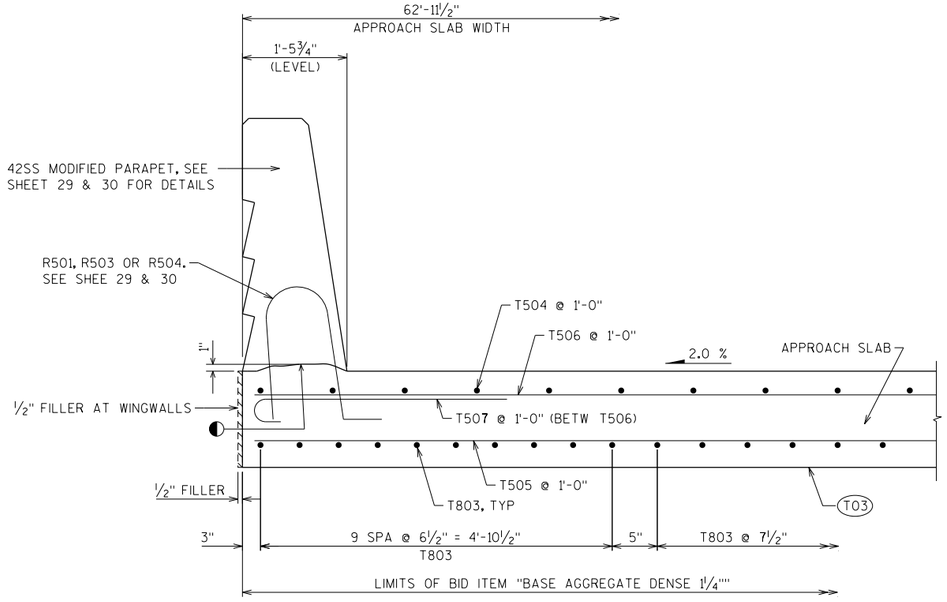
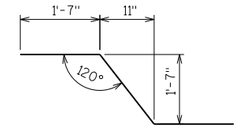
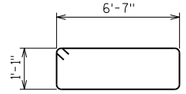


SECTION A

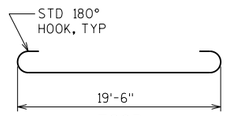
SEE SHEET 26 & 27



SS901



T501



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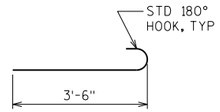

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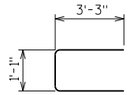


T508

BILL OF BARS

FOR STRUCTURAL APPROACH SLAB

BAR MARK	COAT	SOUTH APPRO. SLAB	NORTH APPRO. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
▲ SS901	SS	64	64	5 - 0	X		ABUT DIAPH TO APPROACH SLAB
T501	X	61	61	16 - 0	X		FOOTING STIRRUP
T802	X	24	24	47 - 9			FOOTING TRANS
T803	X	104	104	21 - 4	X		LONGIT - BOTTOM
T504	X	64	64	19 - 6			LONGIT - TOP
T505	X	42	42	46 - 6			TRANS - BOTTOM
T506	X	42	42	46 - 6			TRANS - TOP
T507	X	40	40	4 - 1	X		TRANS - TOP
T508	X	8	8	7 - 4	X		STIRRUP AT BLOCKOUT

LEGEND

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN TOTAL THK) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN TOTAL THK) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

(T04) ¾" PREFORMED JOINT FILLER ACCORDING TO STD SPEC 502.2.7 (1'-6" WIDE x FTG LENGTH).

(T05) ¾" PREFORMED JOINT FILLER ACCORDING TO STD SPEC 502.2.7 (4" WIDE x PAVING NOTCH LENGTH).

(T06) APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH, AND VERTICAL SURFACE OF PARAPET PRIOR TO PLACING CONCRETE APPROACH SLAB.

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

▬ CONCRETE PAVEMENT APPROACH ROADWAY. SEE ROADWAY DRAWINGS FOR DETAILS.

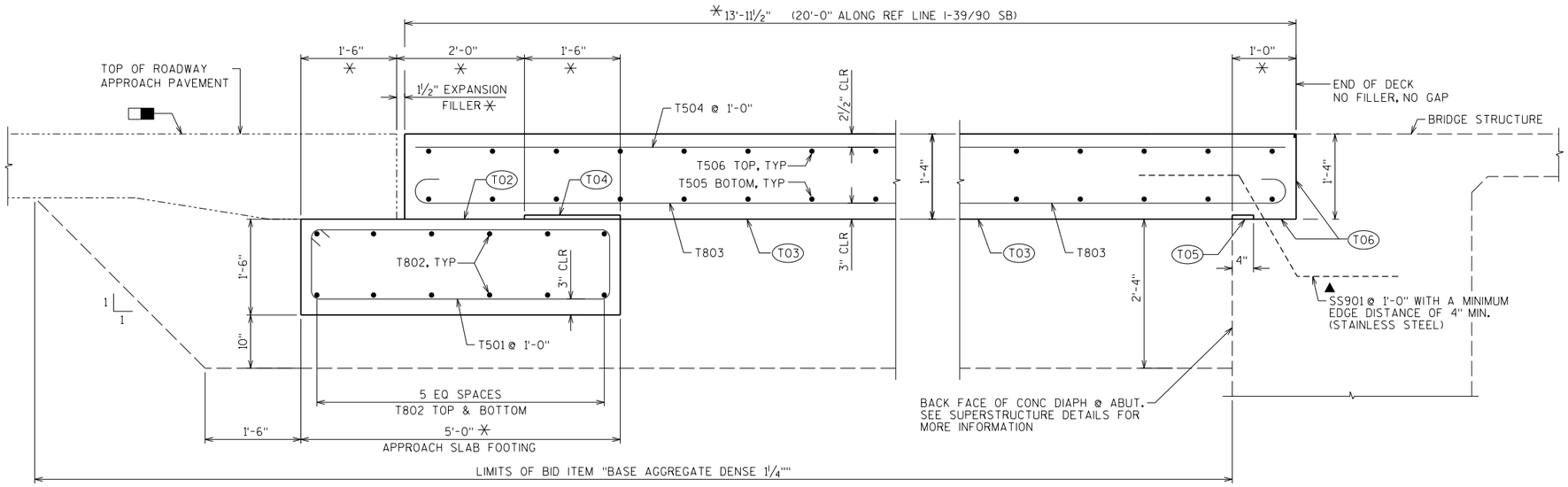
⁎ MEASURED NORMAL TO THE ABUTMENT.

▲ THE BID ITEM FOR SS901 BARS SHALL BE STANDARD SPECIAL PROVISION "BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES"

NOTES:

THIS SHEET IS TO BE USED IN CONJUNCTION WITH THE ROADWAY DRAWINGS.

PREFORMED JOINT FILLER AND POLYETHYLENE SHEETS ARE INCLUDED IN THE COST OF CONCRETE MASONRY BRIDGES AND HIGH PERFORMANCE CONCRETE (HPC) MASONRY BRIDGES.



SECTION B

SEE SHEET 26 & 27

SECTION THRU APPROACH SLAB

SECTION C

SEE SHEET 26 & 27

STATE PROJECT NUMBER

1007-11-71

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

STRUCTURAL APPROACH SLAB DETAILS

SHEET 28 OF 33

479

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PLOT TIME: 11:32:54 AM
PLOT DATE: 11/6/2017
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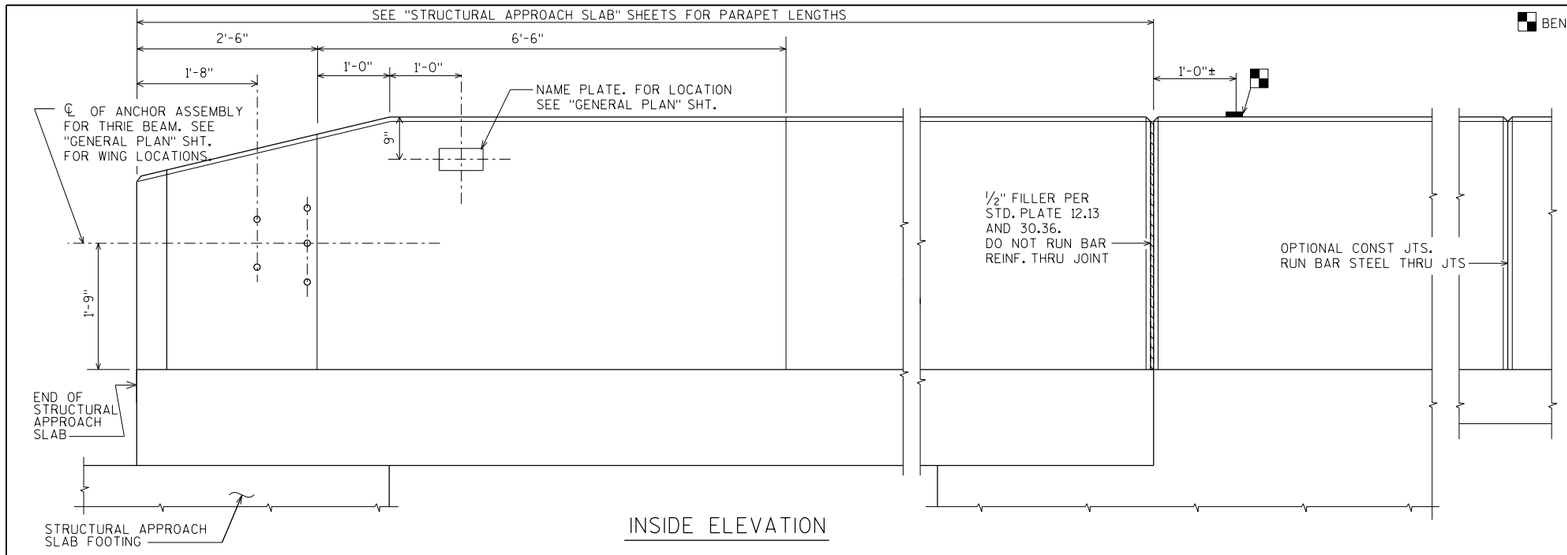
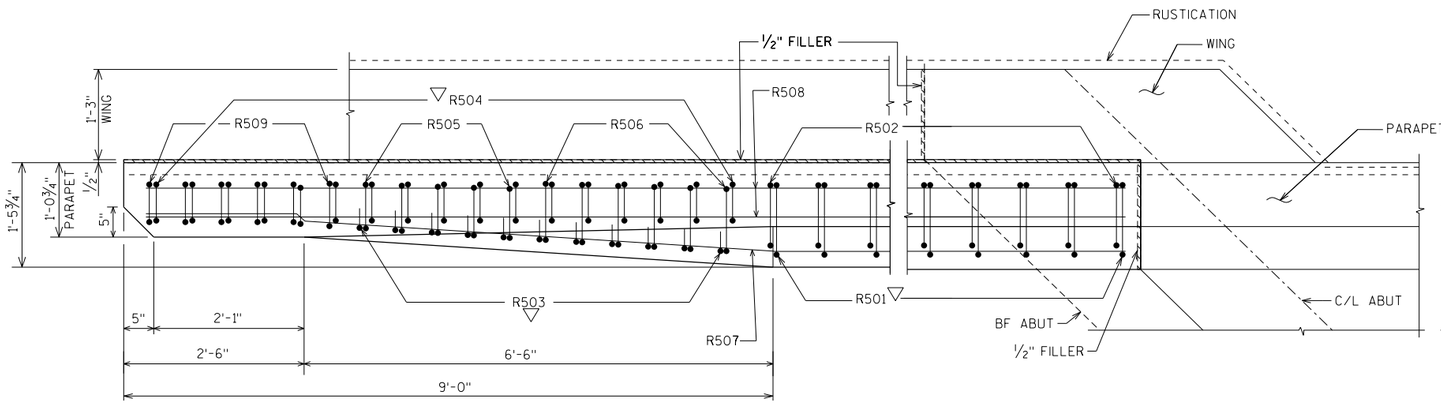
STATE PROJECT NUMBER
1007-11-71

SEE "STRUCTURAL APPROACH SLAB" SHEETS FOR PARAPET LENGTHS

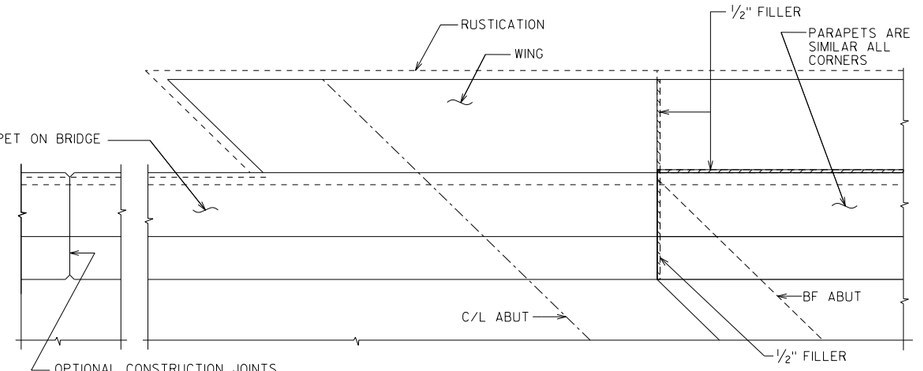
BENCHMARK CAP (WHEN SUPPLIED)



INSIDE ELEVATION

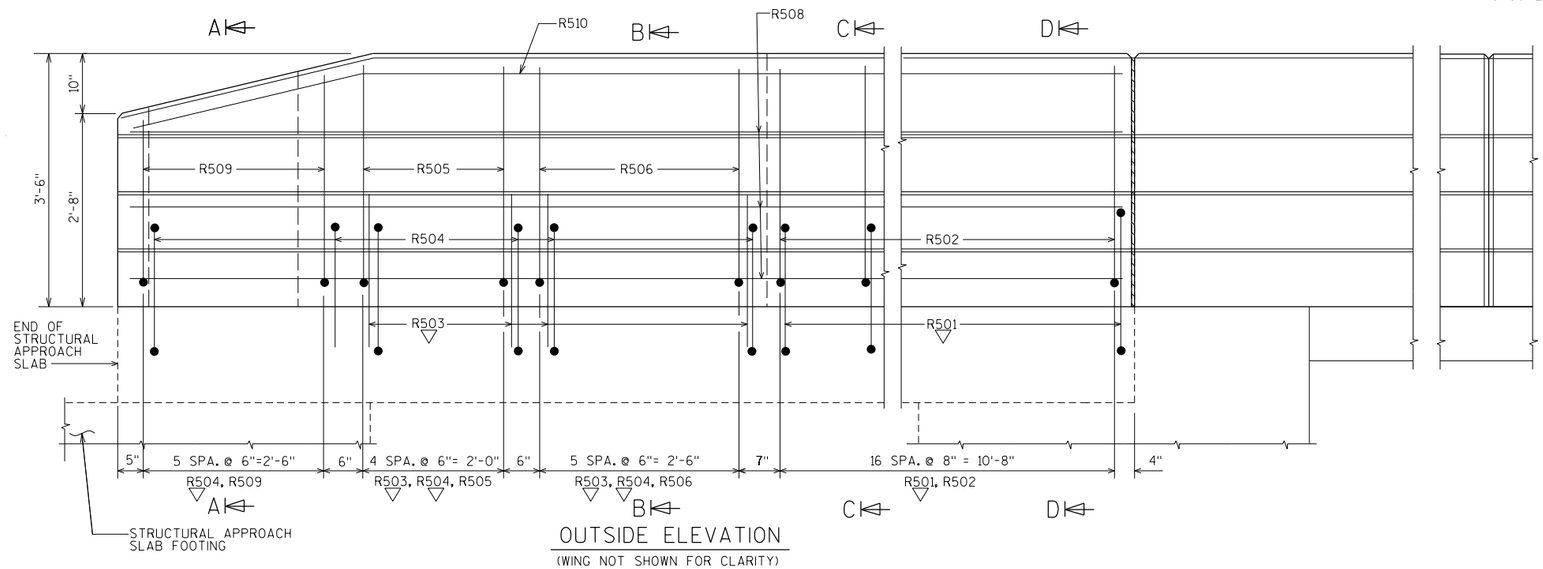


PLAN AT WING 2 & 4



PLAN AT WING 1 & 3

OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" - 'V' GROOVE.



OUTSIDE ELEVATION
(WING NOT SHOWN FOR CLARITY)

NOTES:

SEE SHEET 30 FOR SECTION A, B, C & D.

▽ R501 R503 AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

SINGLE SLOPE PARAPET 42SS WITH STRUCTURAL APPROACH SLAB

SHEET 29 OF 33

480

SS42APP
1-16

18 7
1 2 3 4
8
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PLOT TIME: 11:32:54 AM
PLOT DATE: 11/6/2017
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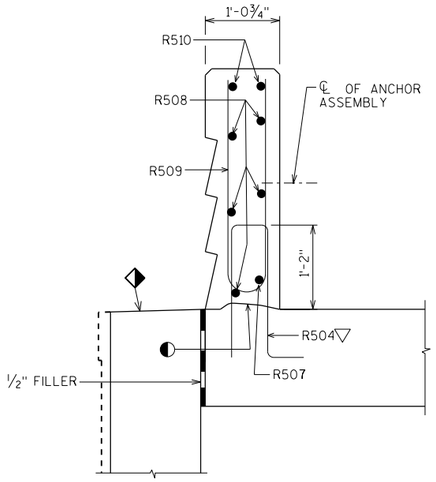
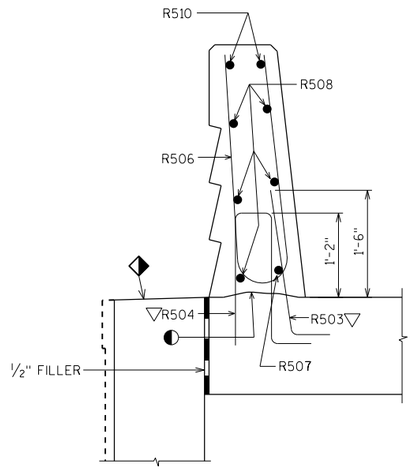
STATE PROJECT NUMBER

1007-11-71



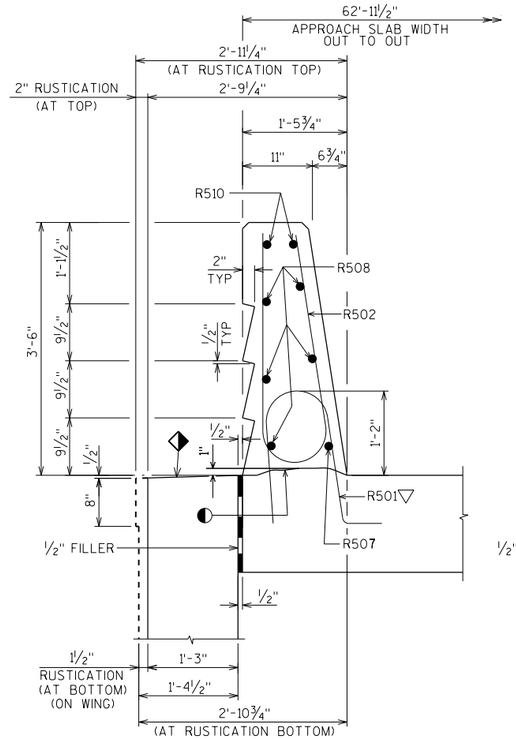
SECTION A

SEE SHEET 29



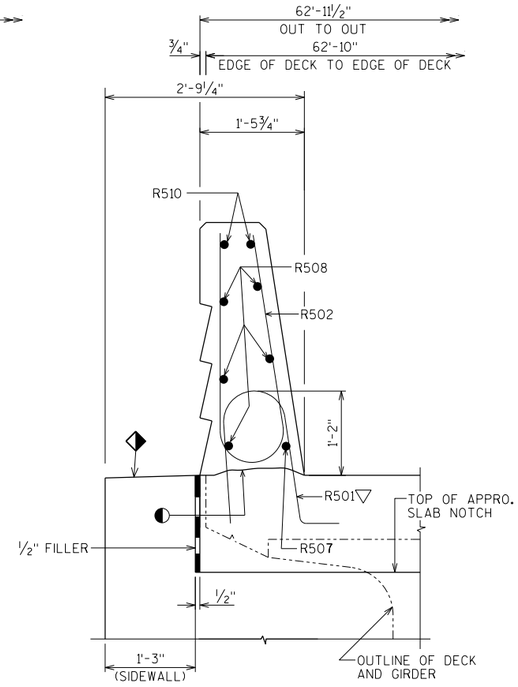
SECTION B

SEE SHEET 29



SECTION C

SEE SHEET 29



SECTION D

SEE SHEET 29

BILL OF BARS

FOR STRUCTURAL APPROACH SLAB PARAPETS

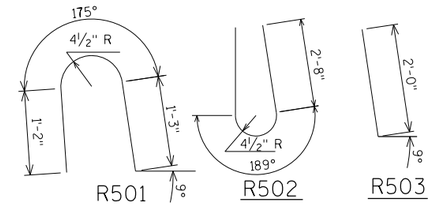
BAR MARK	COAT	SOUTH APPRO. SLAB	NORTH APPRO. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	34	34	4 - 5	X		PARAPET VERT
R502	X	34	34	6 - 8	X		PARAPET VERT
R503	X	22	22	2 - 9	X		PARAPET VERT
R504	X	34	34	4 - 4	X		PARAPET VERT
R505	X	10	10	6 - 5	X		PARAPET VERT
R506	X	12	12	6 - 6	X		PARAPET VERT
R507	X	2	2	19 - 6	X		PARAPET HORIZ
R508	X	10	10	19 - 6			PARAPET HORIZ
R509	X	12	12	5 - 5	X	◭	PARAPET VERT
R510	X	4	4	19 - 6	X		PARAPET HORIZ

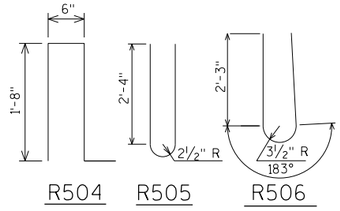
◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

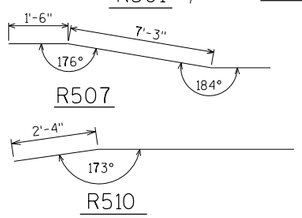
BAR SERIES TABLE

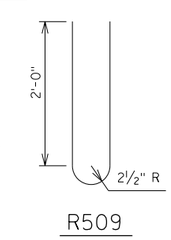
MARK	NO. REQD.	LENGTH
S509	4 SERIES OF 6	4'-9" TO 6'-1"

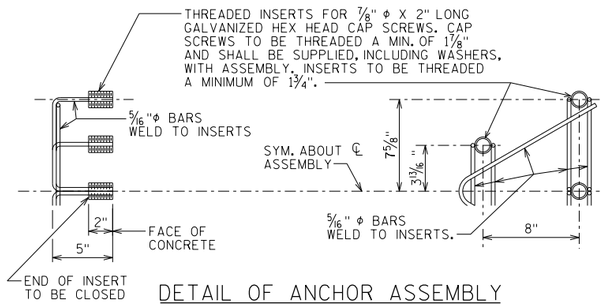
BUNDLE AND TAG EACH SERIES SEPARATELY.











DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

◆ SLOPE FOR DRAINAGE

▽ R501, R503 AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

SINGLE SLOPE PARAPET 42SS WITH STRUCTURAL APPROACH SLAB

SHEET 30 OF 33

481

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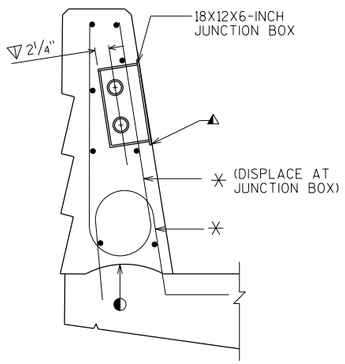
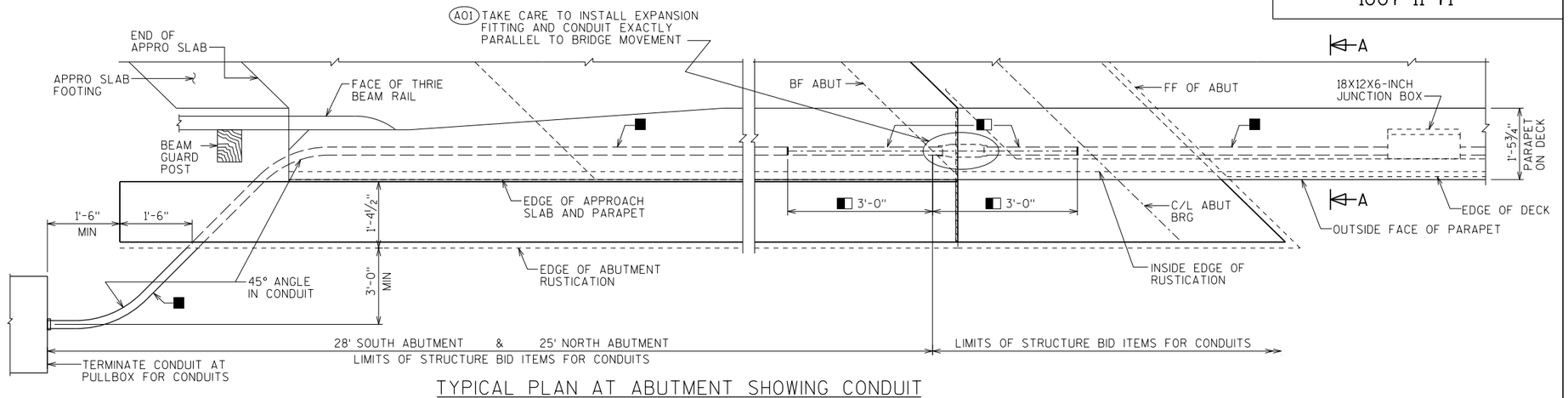
8

STATE PROJECT NUMBER
1007-11-71

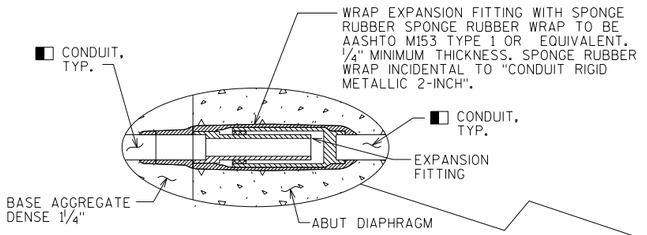


SECTION A-A

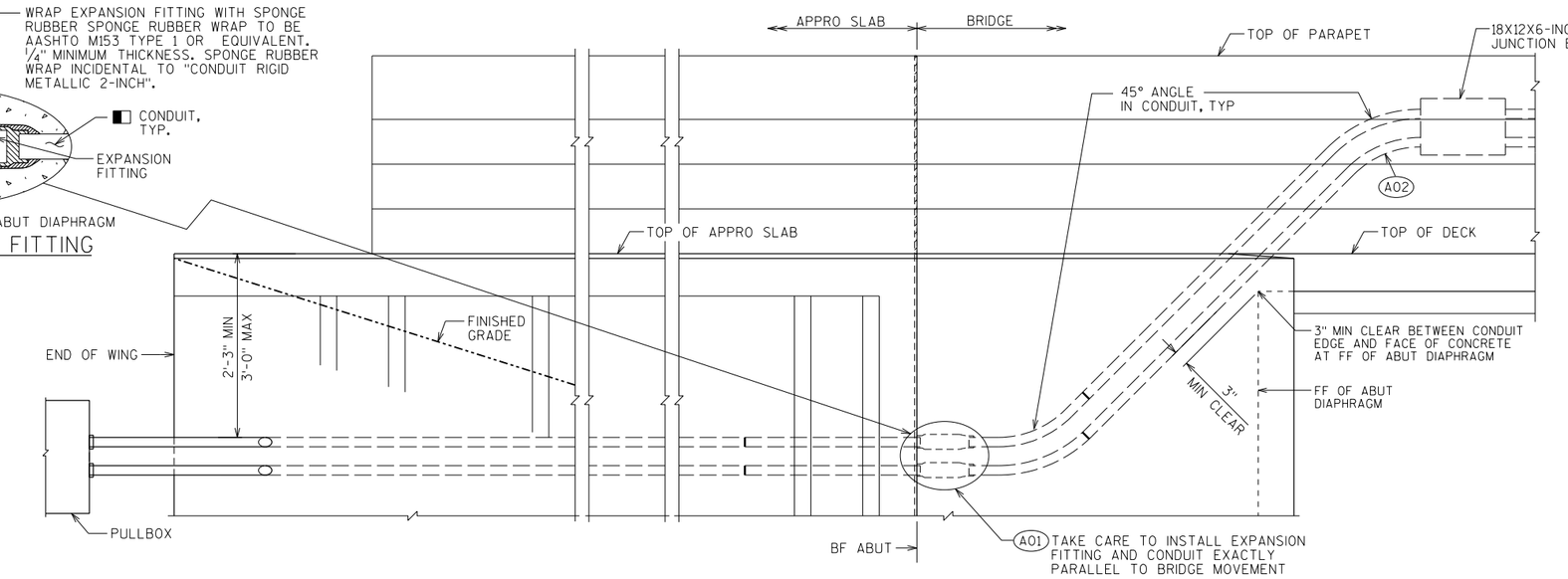


TYPICAL PLAN AT ABUTMENT SHOWING CONDUIT

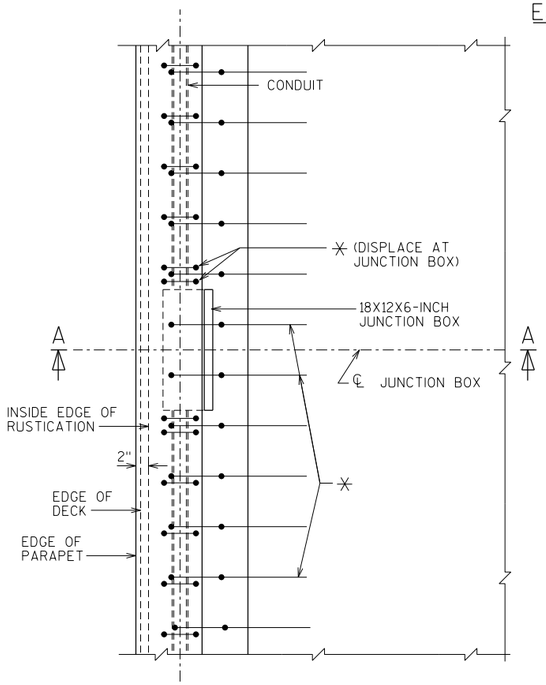
WING 1 SHOWN, WING 4 SIMILAR, SEE SHEET 1 FOR ORIENTATION OF SKEW



EACH EXPANSION FITTING



TYPICAL OUTSIDE ELEVATION AT ABUTMENT SHOWING CONDUIT



PLAN AT JUNCTION BOX

■ USE RIGID NONMETALLIC CONDUIT.

■ USE RIGID METALLIC CONDUIT 3'-0" INTO PARAPET ON DECK AND WING SIDES OF THE JOINT OPENING.

◐ CONSTR. JT. STRIKE OFF AS SHOWN

◭ CUT OUT ± 1" OF GASKET AT BOTTOM OF JUNCTION BOX COVER TO ALLOW FOR DRAINAGE.

▽ LOCATION OF CONDUIT IS MEASURED FROM OUTSIDE EDGE OF JUNCTION BOX.

✳ SEE SINGLE SLOPE PARAPET MODIFIED 42SS SHEET FOR ADDITIONAL BAR STEEL DETAILS.

NOTES

BID ITEMS SHALL BE:
"JUNCTION BOXES 18X12X6-INCH", EACH.
"CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH", LF
"CONDUIT RIGID METALLIC 2-INCH", LF

APPROVED MANUFACTURERS - JUNCTION BOXES:
SEE APPROVED MATERIAL LIST.

(A01) APPROVED MANUFACTURER OR EQUIVALENT - EXPANSION FITTING:
O-Z/GEDNEY TYPE EX-200 WITH PBS-200-12S AND BONDING JUMPER
(10" TOTAL LONGITUDINAL CONDUIT MOVEMENT).

(A02) EXPANSION FITTINGS, ANGLES AND ADAPTER FITTINGS TO BE INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".

WHEN CONNECTING NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS U.L. OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED.

USE EXPANSION FITTING AT EACH EXPANSION JOINT OR SEMI-EXPANSION JOINTS.

RUN CONDUIT STRAIGHT THROUGH (WITHOUT A FITTING) AT EACH FIXED JOINT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

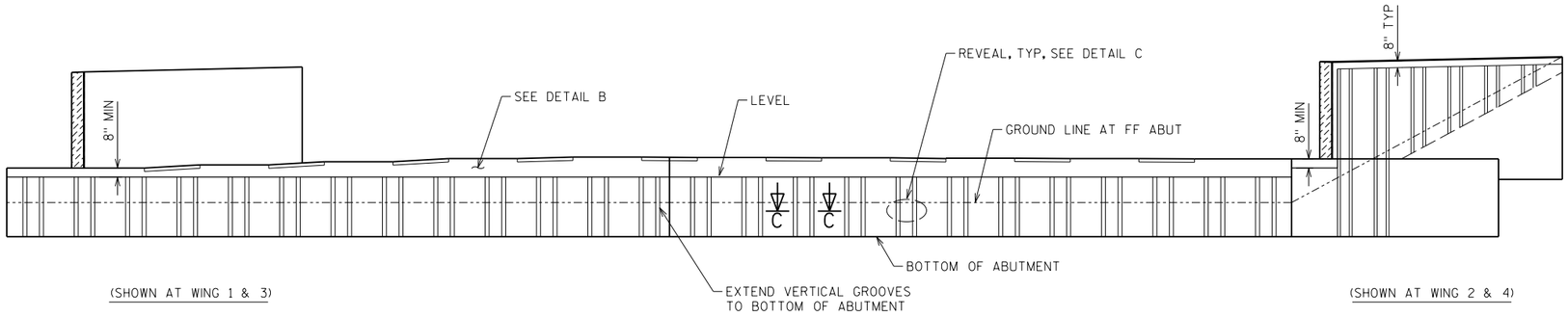
CONDUIT DETAILS

SHEET 31 OF 33
482

SS42ELEC
1-14

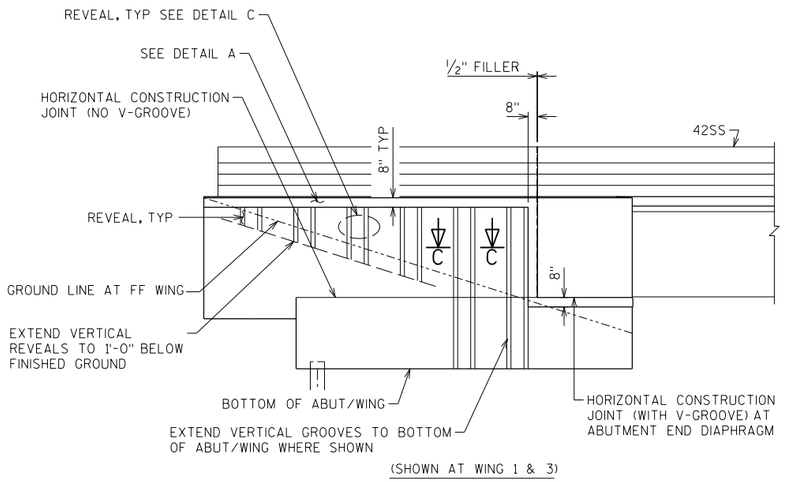
PLOT TIME: 11:32:54 AM
PLOT DATE: 11/6/2017
FILE NAME : S:\ME\D\Donel\25226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715\dgn\bi3715_SS42ELEC.DGN

STATE PROJECT NUMBER
1007-11-71

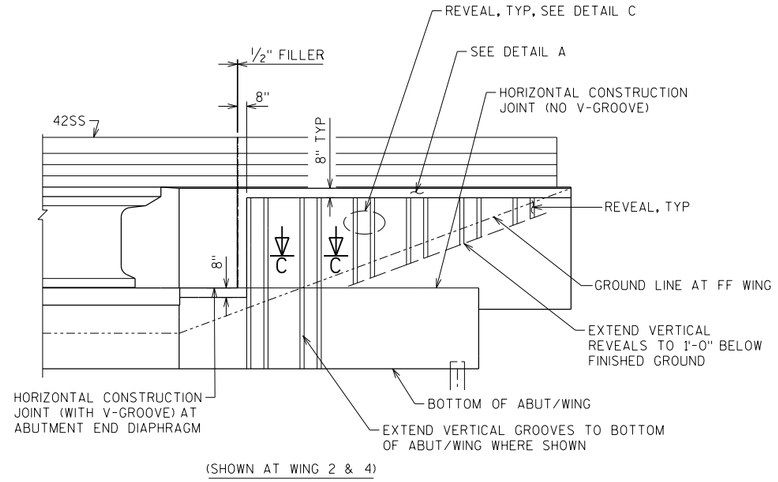


ELEVATION FOR TYPICAL ABUTMENT

(SOUTH ABUTMENT SHOWN, NORTH ABUTMENT SIMILAR)



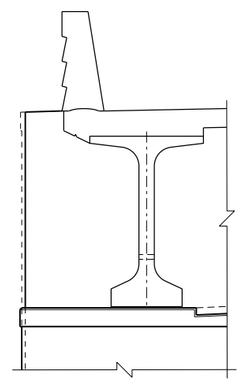
(SHOWN AT WING 1 & 3)



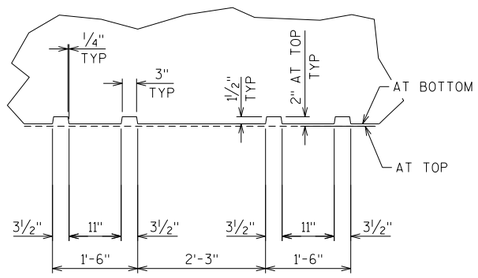
(SHOWN AT WING 2 & 4)

ELEVATION FOR TYPICAL WINGWALLS PARALLEL TO ROADWAY

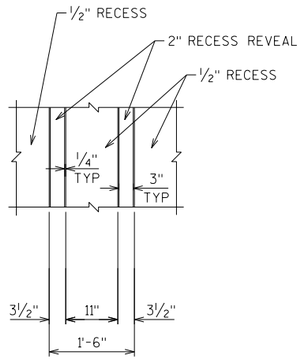
(SOUTH ABUTMENT SHOWN, NORTH ABUTMENT SIMILAR)



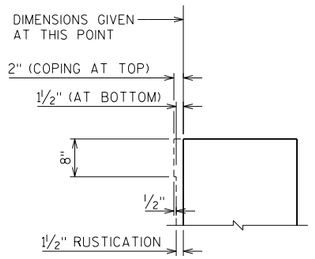
DETAIL P



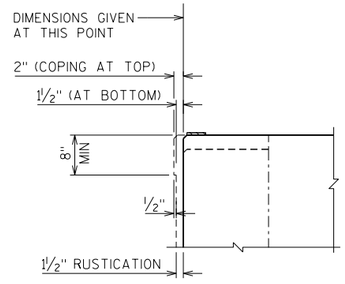
SECTION C-C



DETAIL C



DETAIL A
(AT WINGS)



DETAIL B
(AT ABUTMENT)

NOTES

ALL RUSTICATIONS CONSIDERED WISCONSIN AESTHETIC LEVEL 1B AESTHETICS - NO STAINING.

APPLY PIGMENTED SURFACE SEALER TO TOP AND INSIDE FACES OF PARAPET INCLUDING PARAPET LOCATED ON THE STRUCTURAL APPROACH SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

AESTHETIC DETAILS

SHEET 32 OF 33

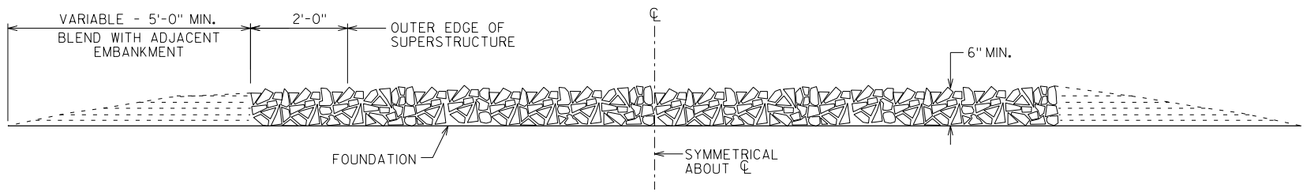
483

8

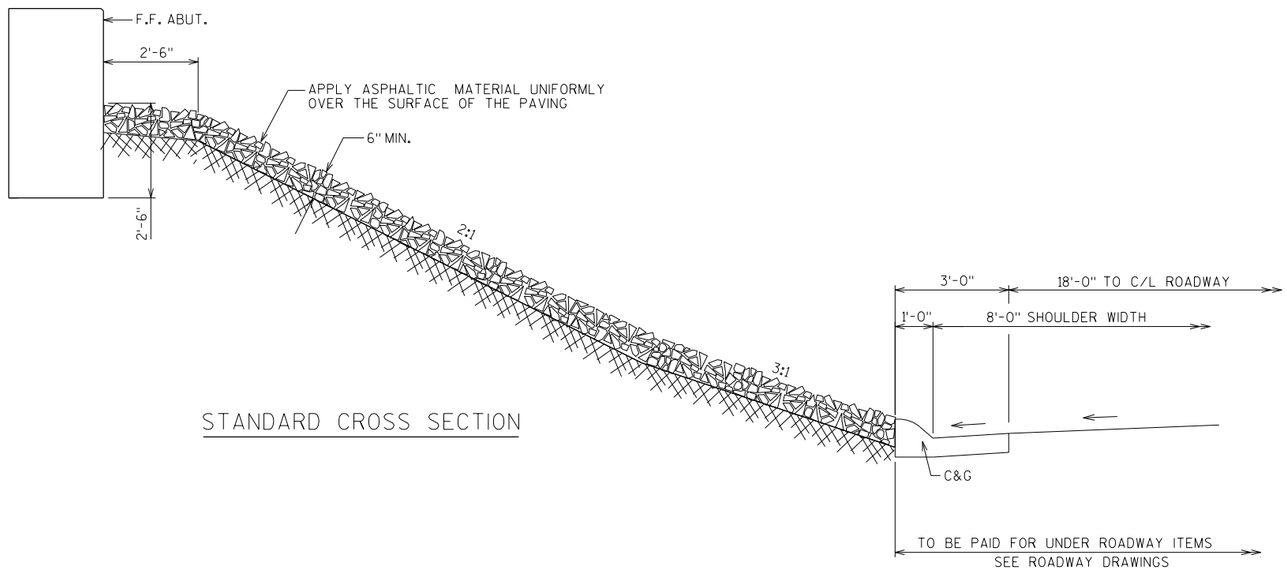
8

FILE NAME : S:\AE\D\Done\12522\6\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715\dgn\b13715rustication.dgn
PLOT DATE: 11/6/2017
PLOT TIME: 11:32:54 AM

STATE PROJECT NUMBER
1007-11-71



SECTION A-A



STANDARD CROSS SECTION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-715

DRAWN BY DLF | PLANS CK'D. NCK

SLOPE PAVING (CRUSHED AGGREGATE)

SHEET 33 OF 33

484

SLPPAVCRAG
1-15

8

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PLOT DATE: 11/6/2017 PLOT TIME: 11:32:54 AM
FILE NAME : S:\AE\D\Daniel\25226\5-final-dgn\5i-drawings\20-Struct\BRIDGE\b-13-715\dgn\b1371S_slppavcrag.dgn

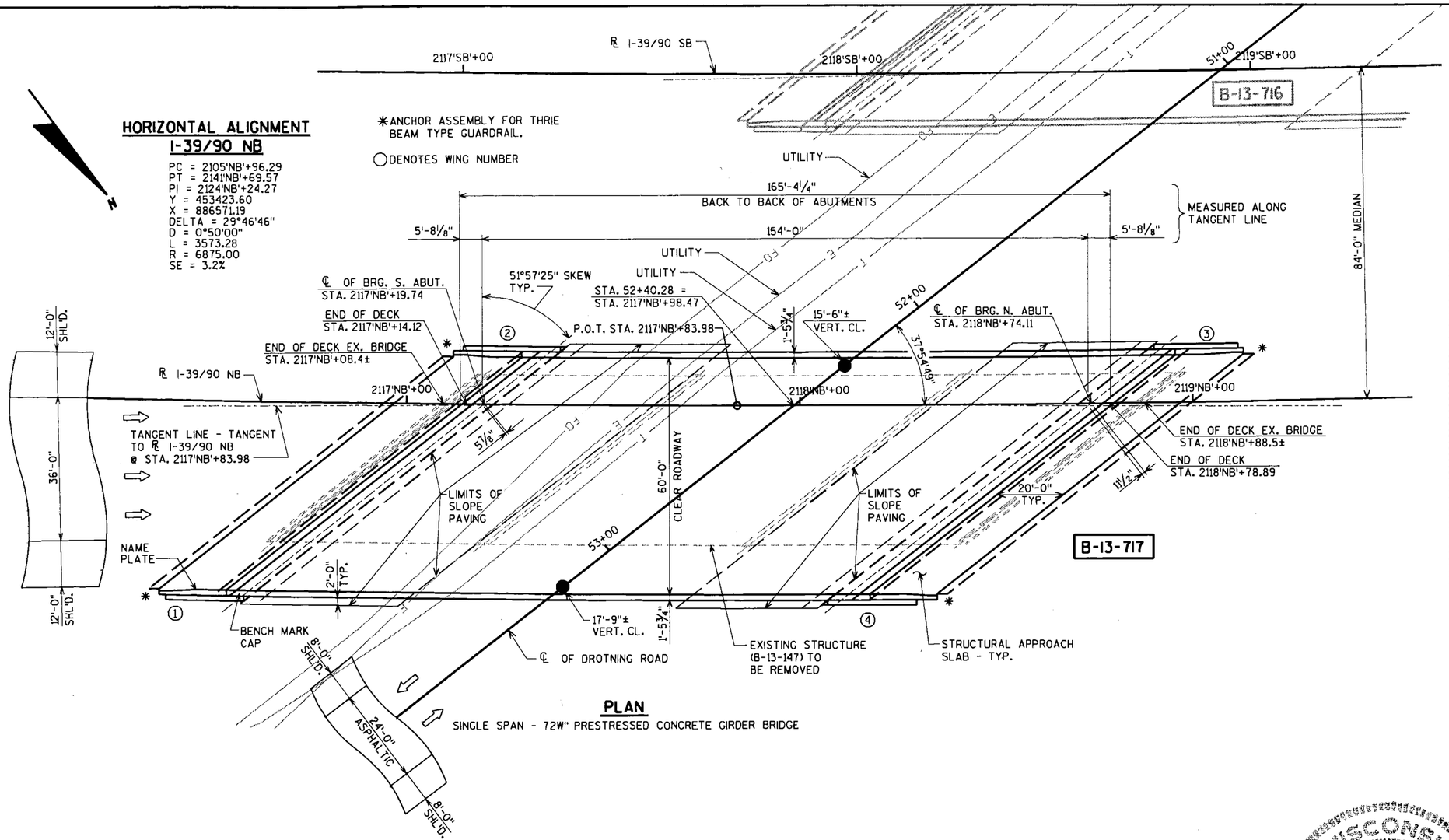
$PRFNAME$
U:±41-0660.0X - IH-39 Dane Partners General Bridge Information±...I-39 over Drotning Road±B-13-717±B-1
DATE:
DATE:
DATE:
CHECKED BY:
BACK CHECKED BY:
CORRECTED BY:

STATE PROJECT NUMBER

1007-11-71

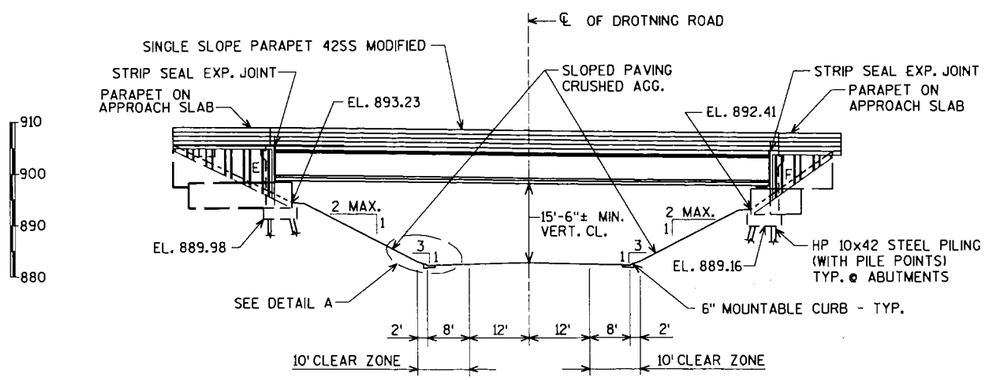
HORIZONTAL ALIGNMENT
I-39/90 NB

PC = 2105'NB'+96.29
PT = 2141'NB'+69.57
PI = 2124'NB'+24.27
Y = 453423.60
X = 886571.19
DELTA = 29°46'46"
D = 0°50'00"
L = 3573.28
R = 6875.00
SE = 3.2%



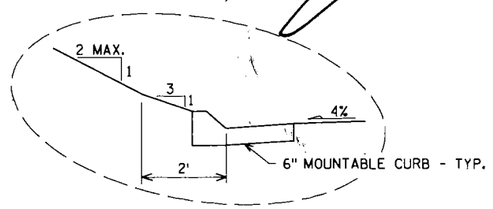
PLAN

SINGLE SPAN - 72W" PRESTRESSED CONCRETE GIRDER BRIDGE



ELEVATION

(NORMAL TO ℄ OF DROTNING ROAD)



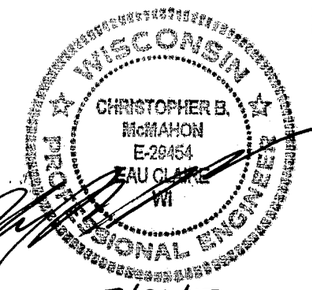
DETAIL A

LIST OF DRAWINGS

1. GENERAL PLAN
2. TYPICAL SECTION, DESIGN DATA, & PROFILE GRADE LINES
3. QUANTITIES AND NOTES
4. SUBSURFACE EXPLORATION
5. SOUTH ABUTMENT
6. SOUTH ABUTMENT FOOTING LAYOUT
7. SOUTH ABUTMENT WING 1 DETAILS
8. SOUTH ABUTMENT WING 2 DETAILS
9. SOUTH ABUTMENT DETAILS AND BILL OF BARS
10. NORTH ABUTMENT
11. NORTH ABUTMENT FOOTING LAYOUT
12. NORTH ABUTMENT WING 3 DETAILS
13. NORTH ABUTMENT WING 4 DETAILS
14. NORTH ABUTMENT DETAILS AND BILL OF BARS
15. ABUTMENT ARCHITECTURAL TREATMENT
16. ALTERNATE CONSTRUCTION JOINT
17. SOUTH ABUTMENT BEARING DETAILS
18. NORTH ABUTMENT BEARING DETAILS
19. 72W" PRESTRESSED GIRDER DETAILS
20. 72W" PRESTRESSED GIRDER DETAILS
21. STEEL DIAPHRAGM
22. SUPERSTRUCTURE GIRDER LAYOUT
23. TOP OF DECK ELEVATIONS
24. SUPERSTRUCTURE
25. LONGITUDINAL SLAB STEEL LAYOUT
26. TRANSVERSE SLAB STEEL LAYOUT
27. SUPERSTRUCTURE DETAILS
28. DIAPHRAGM DETAILS
29. SUPERSTRUCTURE BILL OF BARS
30. EXPANSION DEVICE
31. EXPANSION DEVICE AT SOUTH ABUTMENT
32. EXPANSION DEVICE AT NORTH ABUTMENT
33. EXPANSION DEVICE DETAILS
34. SOUTH STRUCTURAL APPROACH SLAB
35. NORTH STRUCTURAL APPROACH SLAB
36. STRUCTURAL APPROACH SLAB DETAILS
37. SINGLE SLOPE PARAPET MODIFIED 42SS
38. SLOPE PAVING CRUSHED AGGREGATE

FOR TYPICAL SECTION, DESIGN DATA, AND PROFILE GRADE LINE, SEE SHEET 2

FOR QUANTITIES AND GENERAL NOTES SEE SHEET 3



NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR — 10/19/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-13-717

I-39/90 NB OVER DROTNING ROAD

COUNTY	TOWN/~~CITY/VILLAGE~~
DANE	PLEASANT SPRINGS

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
CKJ	AEB	CKJ/CLS	CBM

GENERAL PLAN

SHEET 485 OF 38

BRIDGE OFFICE CONTACT:
WILLIAM DREHER
(608)-266-8489

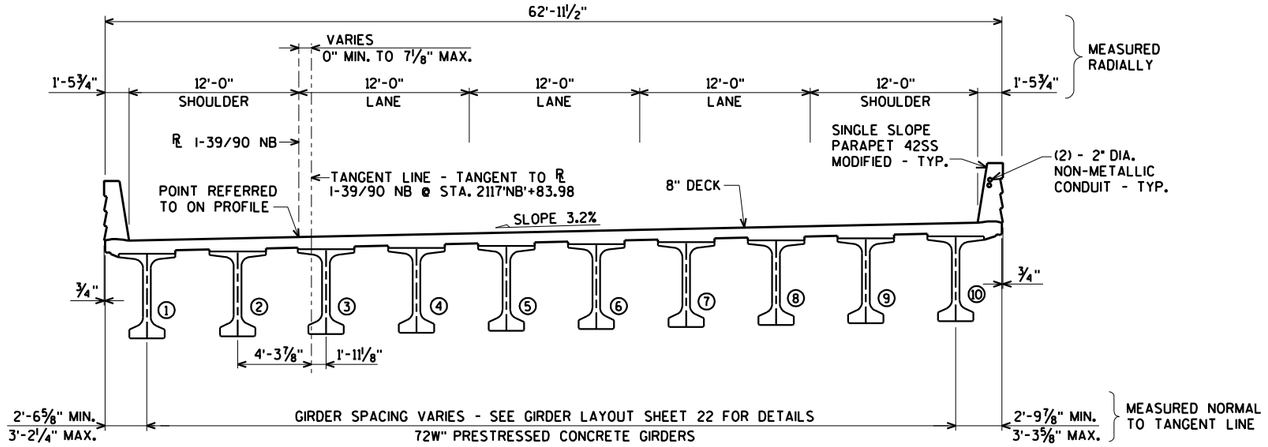
CONSULTANT CONTACT:
CHRIS MCMAHON
(715)-834-3161

8

8

STATE PROJECT NUMBER

1007-11-71



TYPICAL SECTION THRU BRIDGE
(LOOKING NORTH)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: 1.34
OPERATING RATING FACTOR: 2.42
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 #/S.F.

MATERIAL PROPERTIES:

CONCRETE MASONRY	SUPERSTRUCTURE (HPC)	f'_c =	4,000 p.s.i.
	ALL OTHER	f'_c =	3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60)		f_y =	60,000 p.s.i.

72W" PRESTRESSED GIRDER

CONCRETE MASONRY	f'_c =	8,200 p.s.i.
STRANDS - 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF	=	270,000 p.s.i.

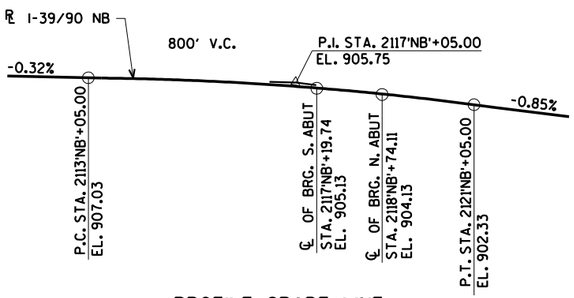
FOUNDATION DATA:

ABUTMENTS TO BE SUPPORTED ON HP 10 x 42 STEEL PILING (WITH PILE POINTS) DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS # PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH 55'-0" FOR BOTH SOUTH AND NORTH ABUTMENTS.

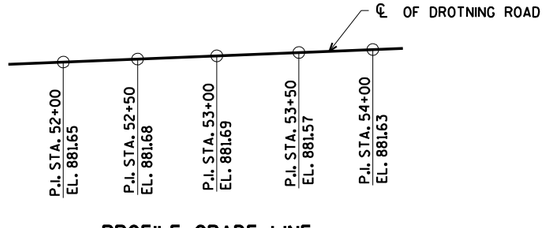
THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC DATA:

I-39/90 NB		DROTNING ROAD	
A.A.D.T. =	24,200 (2009)	A.A.D.T. =	<100 (2012)
A.A.D.T. =	70,300 (2040)	A.A.D.T. =	<100 (2040)
R.D.S. =	70 M.P.H.	R.D.S. =	50 M.P.H.

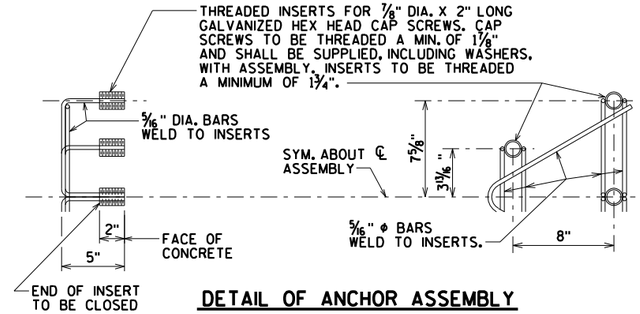


PROFILE GRADE LINE
(I-39/90 NB)



PROFILE GRADE LINE
(DROTNING ROAD)

BENCH MARK:
BRIDGE DISK B-13-146
STA. 2120+56.72, 123.06' LT
EL. 901.47



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

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TYPICAL SECTION, DESIGN DATA, & PROFILE GRADE LINES

SHEET 2 OF 38
486

ORIGINAL PLANS PREPARED BY
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3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

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7/31/2017

PENTABLE:BReau_shd_util.tbl

STATE PROJECT NUMBER

1007-11-71

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	S. STR. APR. SLAB	S. ABUT.	N. ABUT.	N. STR. APR. SLAB	SUPER.	TOTAL
203.0200	REMOVING OLD STRUCTURE STATION 2117'NB'+98	LS	-----	-----	-----	-----	-----	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-13-717	LS	-----	-----	-----	-----	-----	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	-----	825	835	-----	-----	1,660
305.0120	BASE AGGREGATE DENSE 1¼-INCH	TON	270	-----	-----	270	-----	540
501.1000.S	ICE HOT WEATHER CONCRETING	LB	730	1,965	2,100	730	3,070	8,595
502.0100	CONCRETE MASONRY BRIDGES	CY	28	262	280	28	-----	598
502.3100	EXPANSION DEVICE B-13-717	LS	-----	-----	-----	-----	-----	1
502.3200	PROTECTIVE SURFACE TREATMENT	SY	135	-----	-----	135	1,130	1,400
502.3210	PIGMENTED SURFACE SEALER	SY	25	-----	-----	25	160	210
503.0172	PRESTRESSED GIRDER TYPE I 72W-INCH	LF	-----	-----	-----	-----	1,549	1,549
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-----	8,730	9,140	-----	-----	17,870
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	18,000	7,490	7,650	18,000	57,820	108,960
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS BRIDGES	LB	1,070	-----	-----	1,070	-----	2,140
506.2610	BEARING PADS ELASTOMERIC LAMINATED	EACH	-----	10	-----	-----	-----	10
506.4000	STEEL DIAPHRAGMS B-13-717	EACH	-----	-----	-----	-----	18	18
506.5000	BEARING ASSEMBLIES FIXED B-13-717	EACH	-----	-----	10	-----	-----	10
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-----	25	25	-----	-----	50
550.0500	PILE POINTS	EACH	-----	35	36	-----	-----	71
550.1100	PILING STEEL HP 10-INCH x 42 LB	LF	-----	1,925	1,980	-----	-----	3,905
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	-----	320	295	-----	-----	615
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-----	165	170	-----	-----	335
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	2	-----	-----	2	-----	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	-----	90	95	-----	-----	185
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	30	-----	-----	30	15	75
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	40	-----	-----	40	300	380
653.0222	JUNCTION BOXES 18X12X6-INCH	EACH	-----	-----	-----	-----	2	2
⊕ SPV.0035.700	HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES	CY	69	-----	-----	69	409	547
SPV.0165.700	LONGITUDINAL GROOVING BRIDGE DECK	SF	1,365	-----	-----	1,365	9,555	12,285
	NON-BID ITEMS							
	FILLER	SIZE	-----	-----	-----	-----	-----	¾"

⊕ HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES SHALL INCLUDE ALL SUPERSTRUCTURE CONCRETE AND ALL STRUCTURAL APPROACH SLAB CONCRETE, EXCEPT THE STRUCTURAL APPROACH SLAB FOOTING CONCRETE.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE FIRST DIGIT OF A THREE DIGIT BAR NO. AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR NO. SIGNIFIES THE BAR SIZE.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M 153, TYPE I, II OR III OR A.A.S.H.T.O. DESIGNATION M 213.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET AND IN THE ABUTMENT DETAILS.

THE EXISTING GROUND LINE SHALL BE THE UPPER LIMIT FOR EXCAVATION FOR STRUCTURES.

EXISTING BRIDGE B-13-147 IS A THREE-SPAN CONTINUOUS STEEL GIRDER BRIDGE WITH AN OVERALL LENGTH OF 185'-9½" AND A CLEAR ROADWAY WIDTH OF 40'-0".

AT BACKFACE OF ABUTMENTS ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE TYPE A.

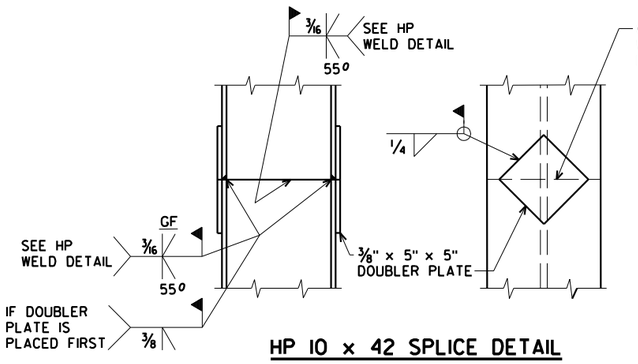
PROTECTIVE SURFACE TREATMENT AND PIGMENTED SURFACE SEALER IS TO BE APPLIED AS SHOWN IN DETAIL ON THIS SHEET.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE PRESTRESSED GIRDER DETAILS SHEET.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE RUSTICATIONS IN THE ABUTMENT ARE INCLUDED IN THE BID ITEM "CONCRETE MASONRY BRIDGES".

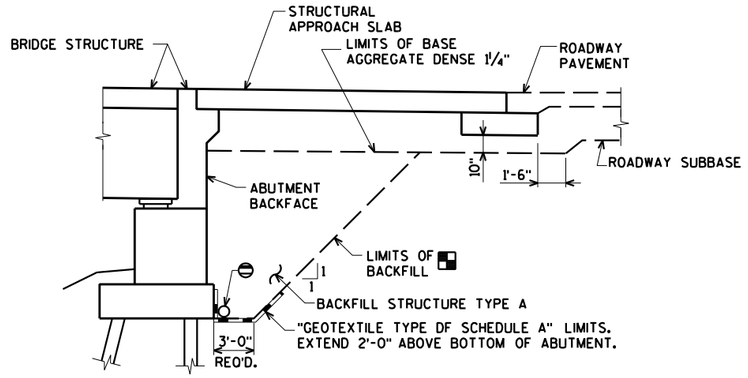
THE RUSTICATIONS AT THE BACK FACE OF THE PARAPET ARE INCLUDED IN THE BID ITEM "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".



HP 10 x 42 SPLICE DETAIL

HP WELD DETAIL

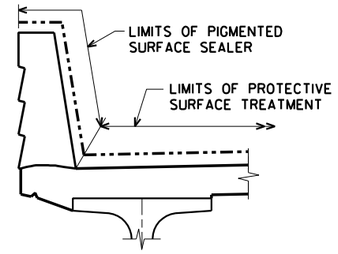
FLANGE SHOWN, WEB SIMILAR



BACKFILL STRUCTURE LIMITS

▩ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCLUDED WITH EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

⊖ PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN AS DETAILED ON SHEET 9.



PROTECTIVE SURFACE TREATMENT AND PIGMENTED SURFACE SEALER DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

DRAWN BY CLS | PLANS CK'D. CBM

QUANTITIES AND NOTES

SHEET 3 OF 38
487

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

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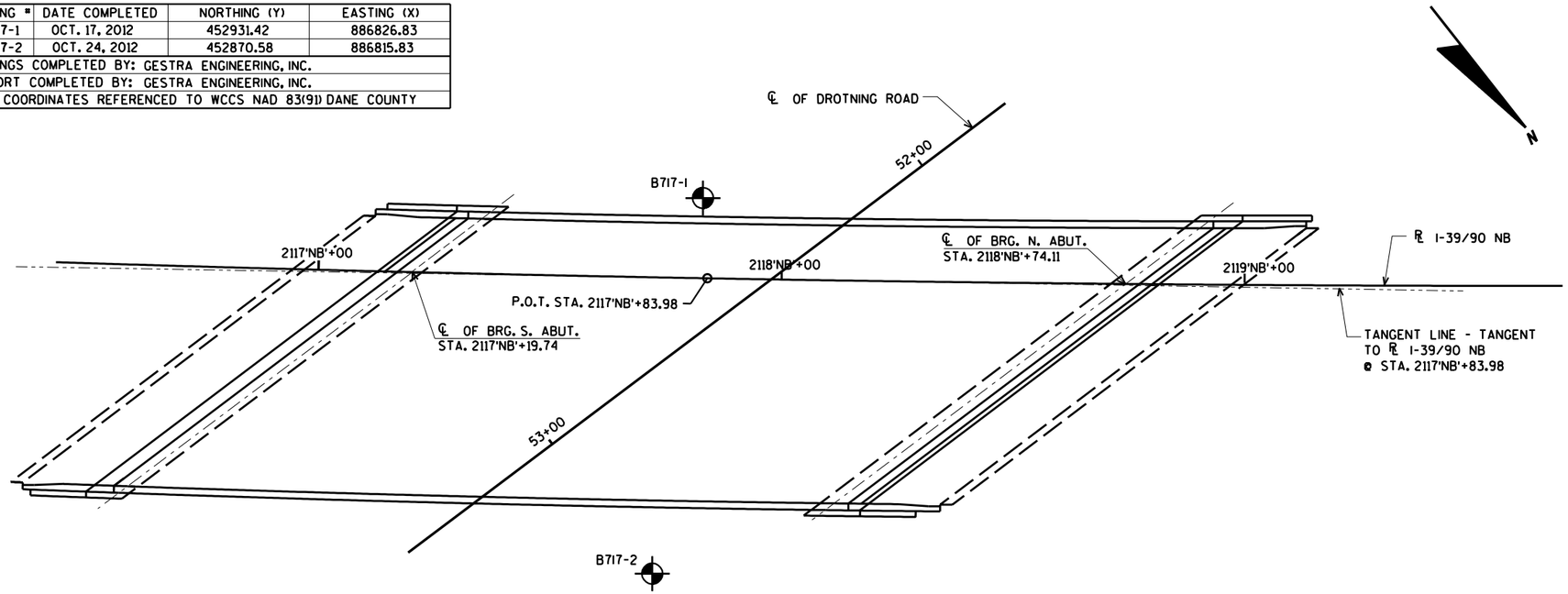
8

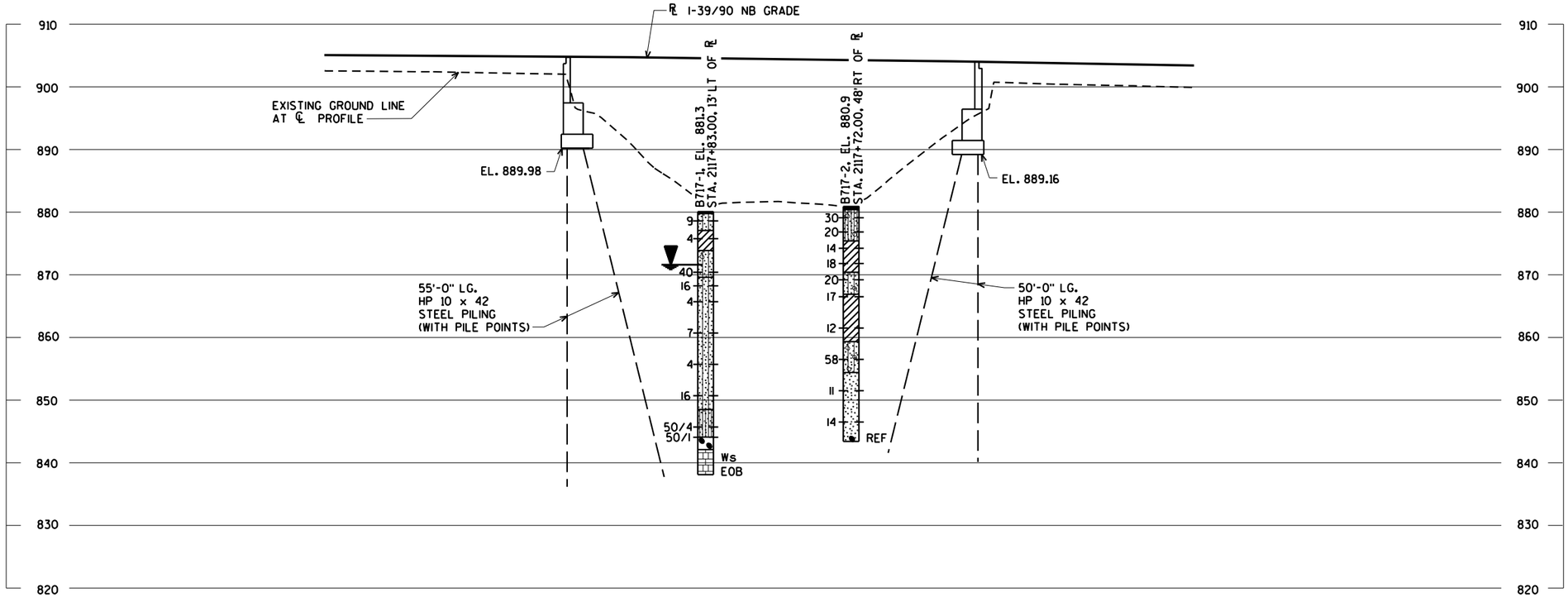
8

7/31/2017

PENTABLE:BReau_shd_util.tbl

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B717-1	OCT. 17, 2012	452931.42	886826.83
B717-2	OCT. 24, 2012	452870.58	886815.83
BORINGS COMPLETED BY: GESTRA ENGINEERING, INC.			
REPORT COMPLETED BY: GESTRA ENGINEERING, INC.			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY			





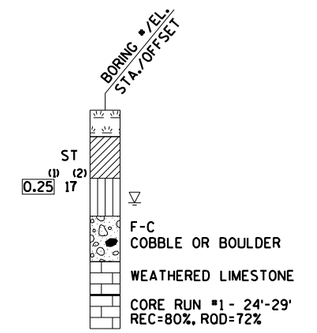
STATE PROJECT NUMBER

1007-11-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY occur.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

DRAWN BY CLS | PLANS CK'D. CBM

SUBSURFACE EXPLORATION

SHEET 4 OF 38
488

8

8

$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 over Drotning Road\B-13-717\B-13-717 soils.dgn

4/4/2017

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STATE PROJECT NUMBER

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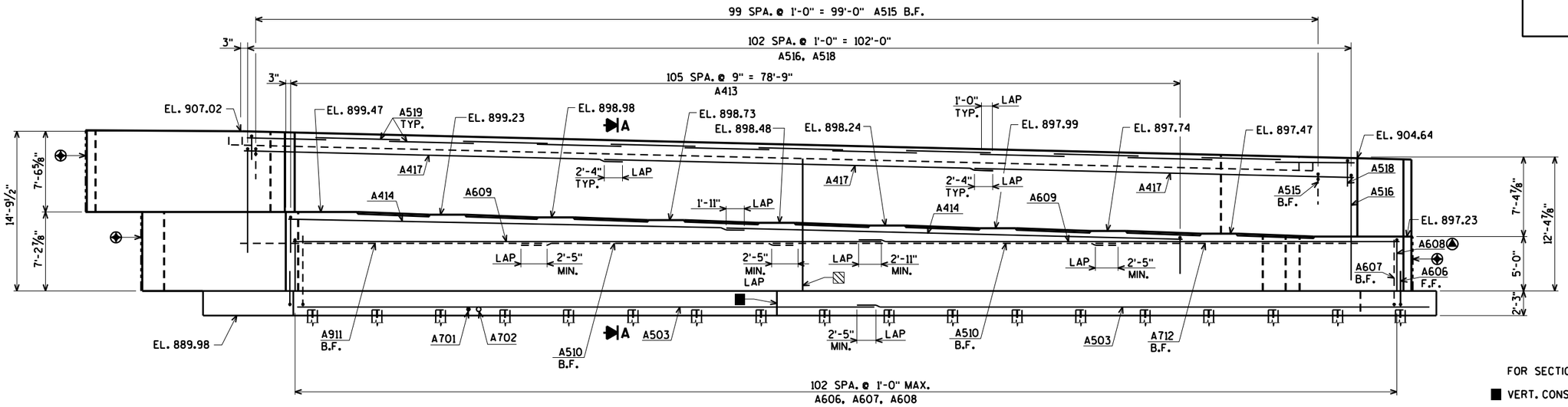


ELEVATION
(LOOKING SOUTH)

FOR SECTION 'A' SEE SHEET 9

■ VERT. CONST. JT. - OPTIONAL IN FOOTING.

Ⓐ TURN A608 BARS AS NECESSARY TO FIT IN ABUTMENT BODY CORNER NEAR WING 2.

⊖ PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN. FOR DETAILS SEE SHEET 9.

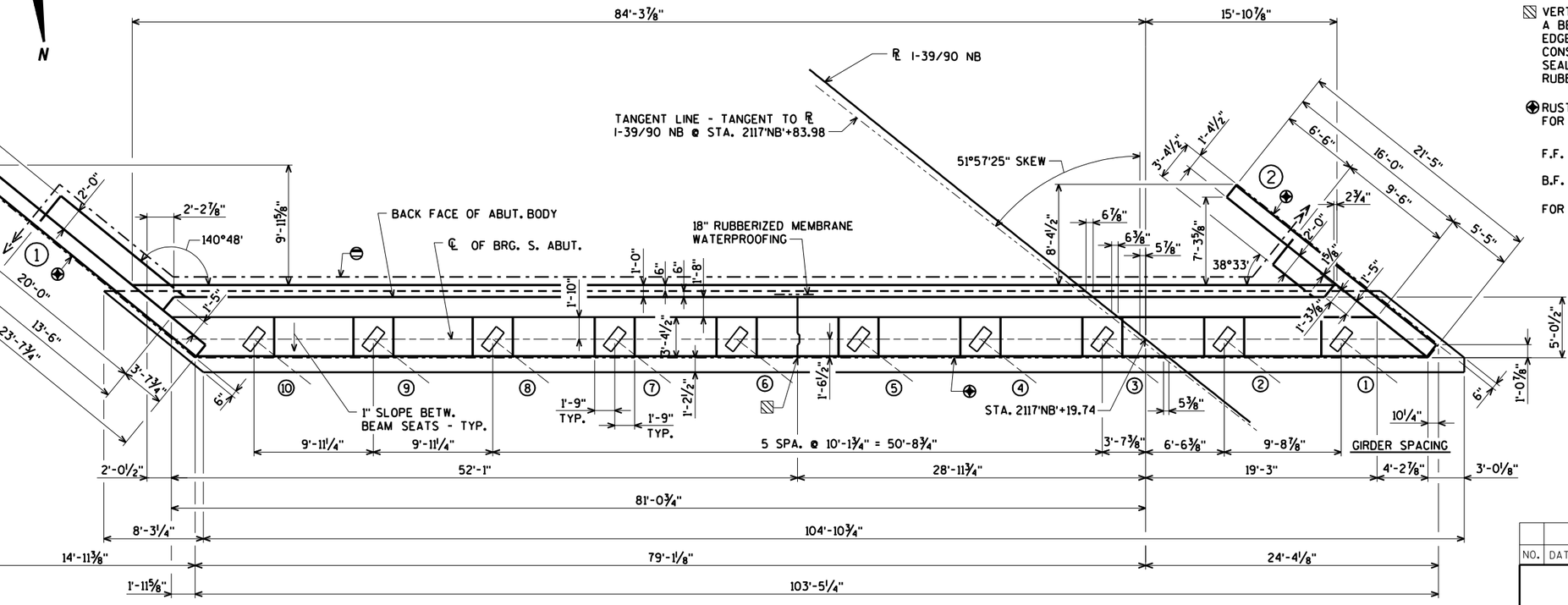
▨ VERT. CONST. JT. - KEYWAY FORMED BY A BEVELED 2" × 8". BEVEL EXPOSED EDGES ¾". FOR ALTERNATE CONST. JT. DETAILS SEE SHEET 16. SEAL JOINT AT BACK FACE WITH 18" RUBBERIZED MEMBRANE WATERPROOFING

⊕ RUSTICATIONS. FOR DETAILS SEE SHEET 15

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

FOR PILE SPLICE DETAIL SEE SHEET 3



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

DRAWN BY CLS | PLANS CK'D. CBM

SOUTH ABUTMENT

SHEET 5 OF 38
489

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
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www.AyresAssociates.com

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5/23/2017

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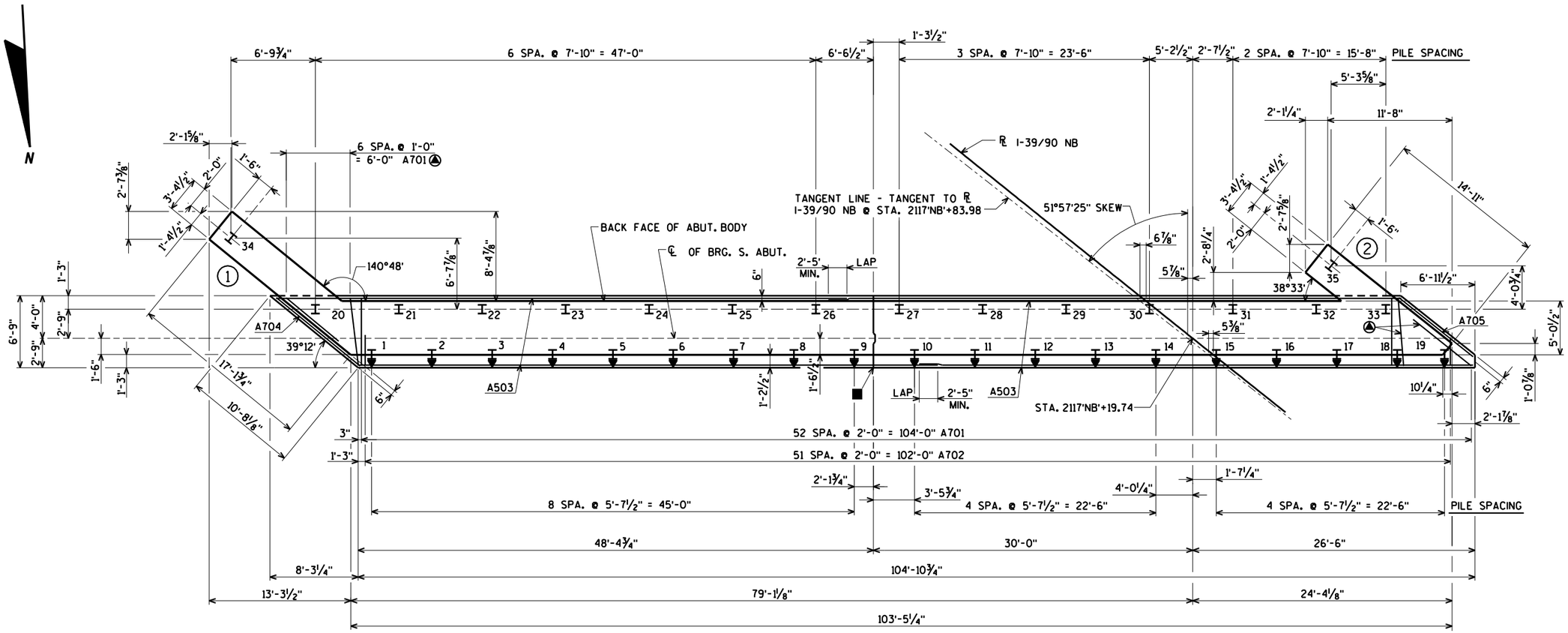

FOOTING LAYOUT

■ VERT. CONST. JT. - OPTIONAL IN FOOTING.

④ TURN A701 BARS AS NECESSARY TO FIT IN FOOTING CORNER.

DENOTES BATTERED PILES. BATTER 3" PER FOOT IN DIRECTION SHOWN.

FOR PILE SPLICE DETAIL SEE SHEET 3

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

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SOUTH ABUTMENT FOOTING LAYOUT

SHEET 6 OF 38
490

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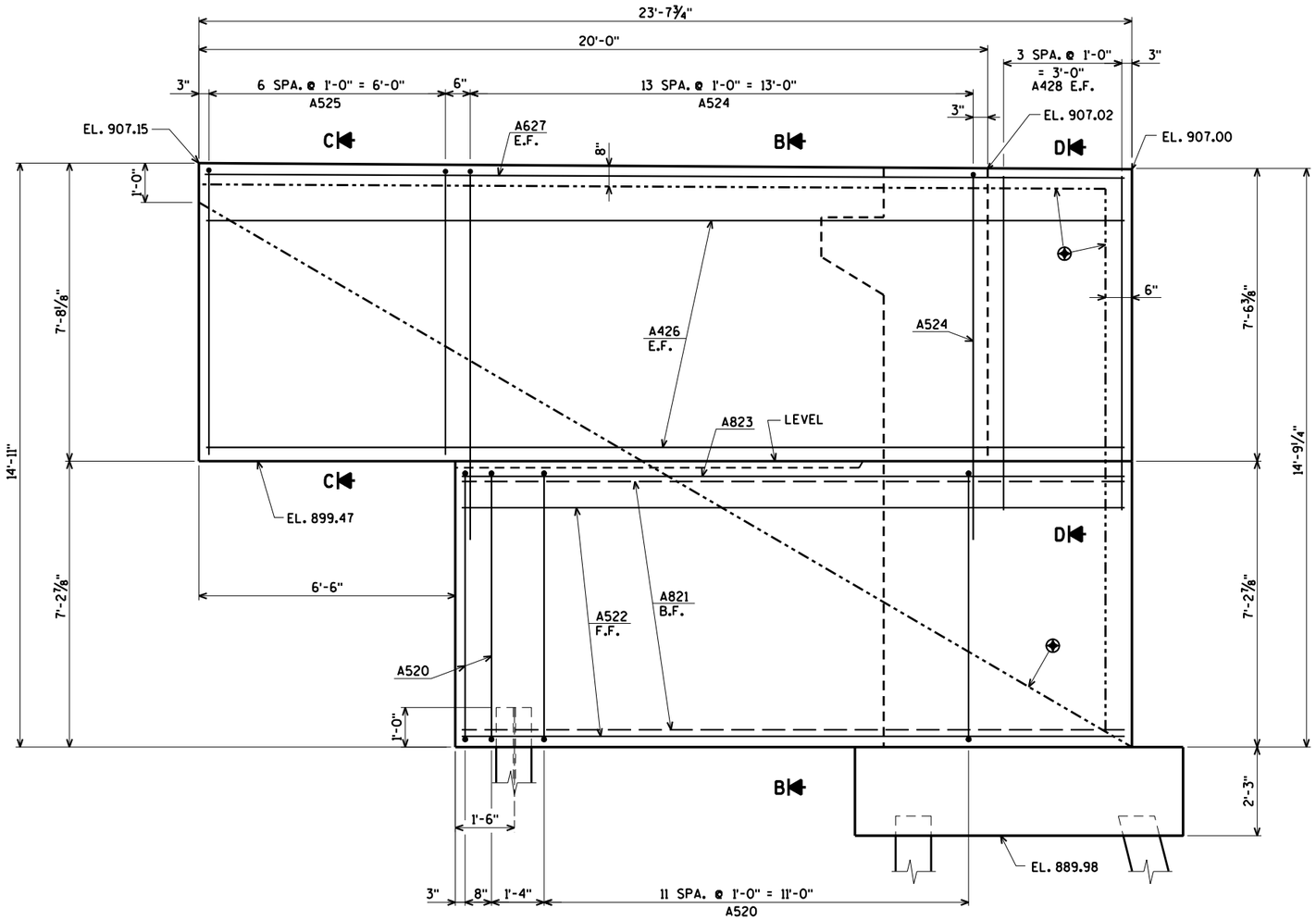
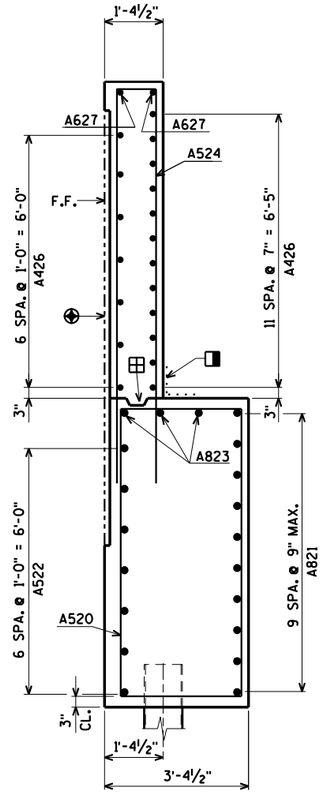
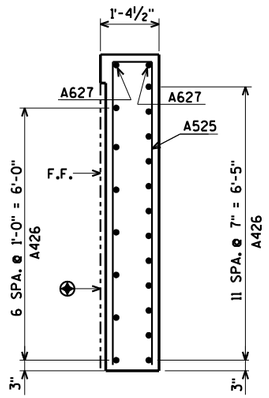


ELEVATION WING 1



SECTION B



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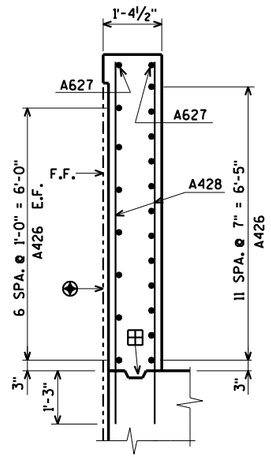

SECTION D

⊕ RUSTICATIONS.
FOR DETAILS SEE SHEET 15

◨ 18" RUBBERIZED MEMBRANE WATERPROOFING
SEAL ALL HORIZONTAL AND VERTICAL JOINTS
ON BACK FACE OF ABUTMENT ABOVE FOOTING.

⊞ OPT. KEYED CONST. JOINT - FORMED
BY A BEVELED 2" x 6".

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

FOR PILE SPLICE DETAIL SEE SHEET 3

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

DRAWN BY CLS | PLANS CK'D. CBM

SOUTH ABUTMENT
WING 1 DETAILS

SHEET 7 OF 38
491

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STATE PROJECT NUMBER

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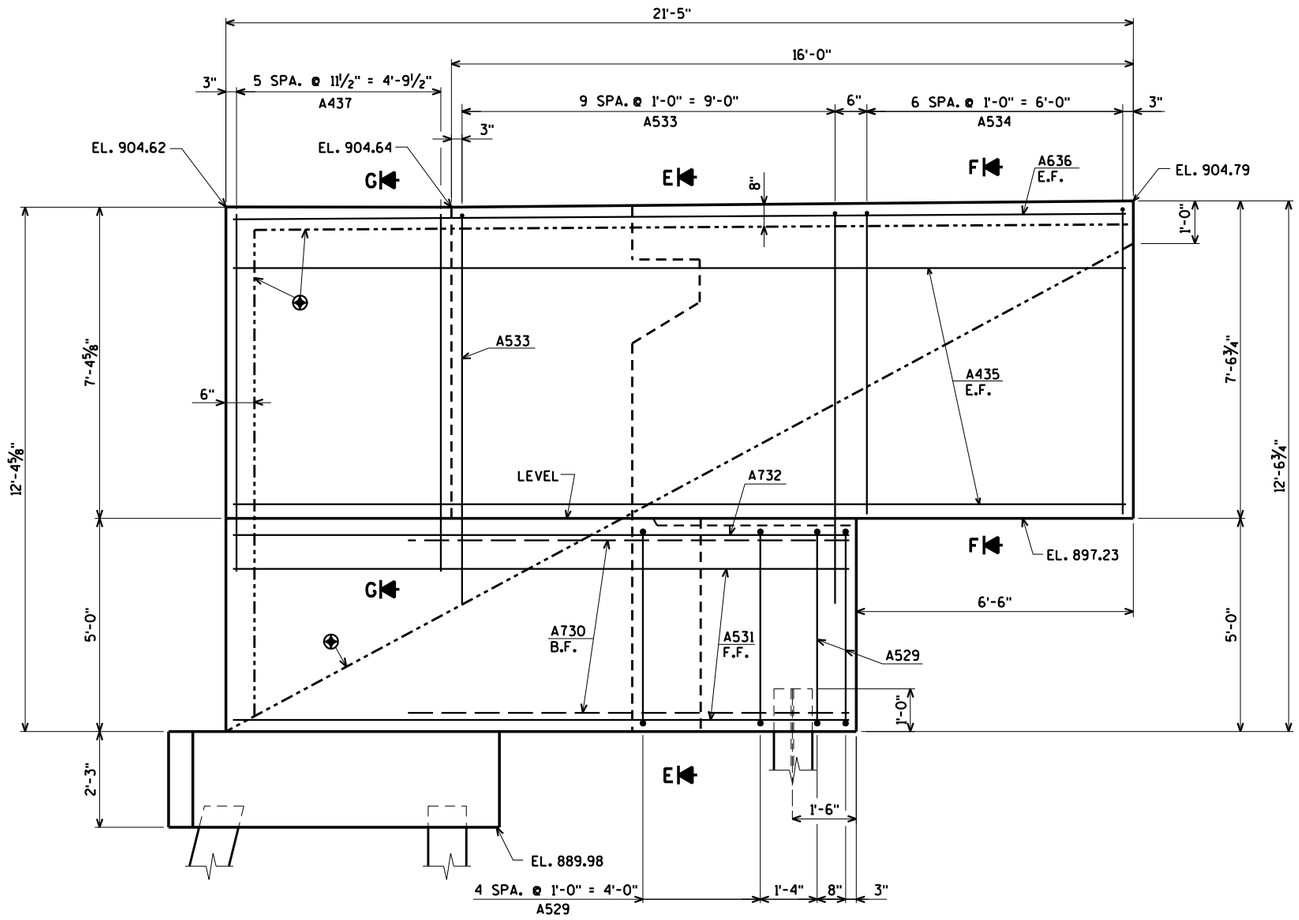
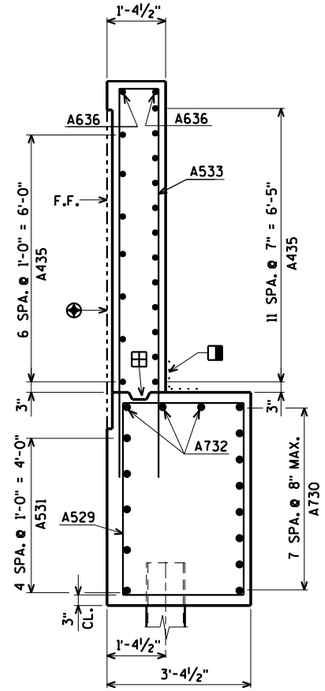
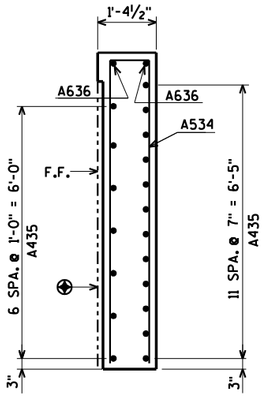


ELEVATION WING 2



SECTION E



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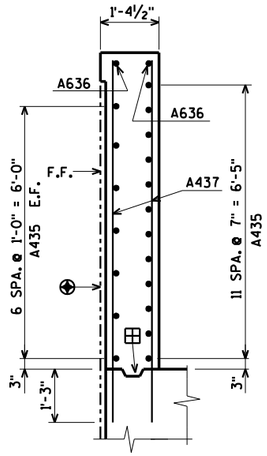

SECTION G

⊕ RUSTICATIONS.
FOR DETAILS SEE SHEET 15

◨ 18" RUBBERIZED MEMBRANE WATERPROOFING
SEAL ALL HORIZONTAL AND VERTICAL JOINTS
ON BACK FACE OF ABUTMENT ABOVE FOOTING.

⊞ OPT. KEYED CONST. JOINT - FORMED
BY A BEVELED 2" x 6".

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

FOR PILE SPLICE DETAIL SEE SHEET 3

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

DRAWN BY CLS | PLANS CK'D. CBM

SOUTH ABUTMENT
WING 2 DETAILS

SHEET 8 OF 38
492

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5/23/2017

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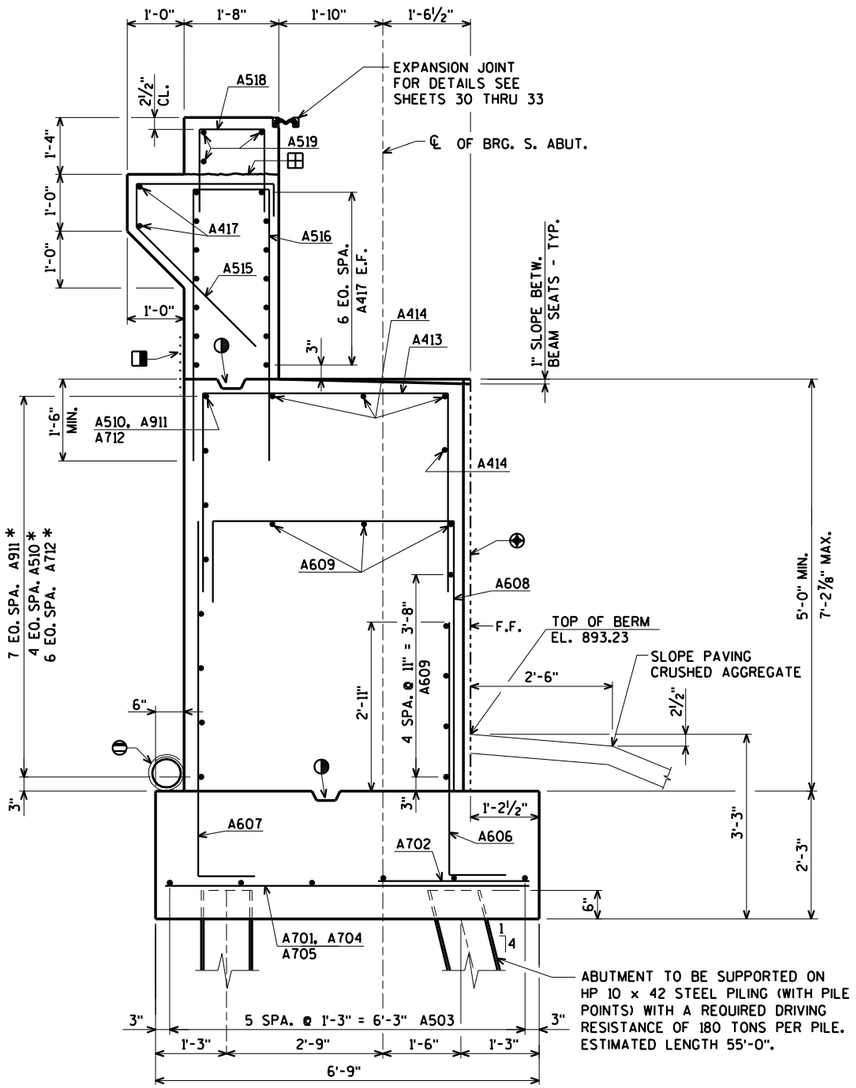


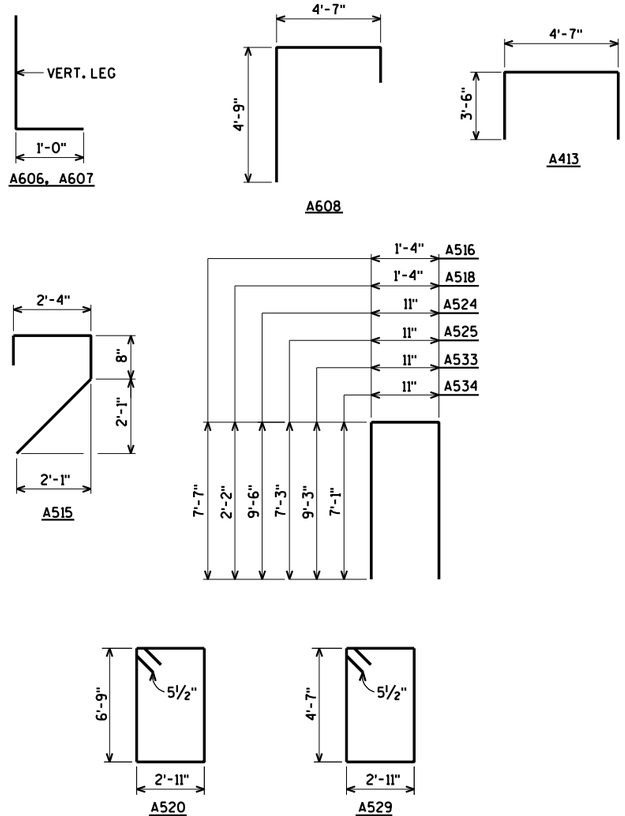
ABUTMENT TO BE SUPPORTED ON HP 10 x 42 STEEL PILING (WITH PILE POINTS) WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. ESTIMATED LENGTH 55'-0".

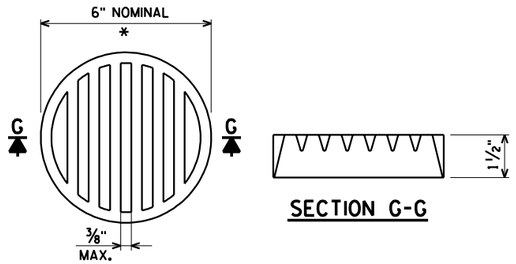
EXCAVATE OR FILL TO BOTTOM OF ABUTMENT BEFORE DRIVING PILES.

TYPICAL SECTION THRU BODY SECTION A

FOR LOCATION OF SECTION 'A' SEE SHEET 5

* FLAIR BACK FACE BARS AND LAP TO TIE INTO ONE ANOTHER.





SECTION G-G

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SCREEN TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH SHEET METAL SCREWS.

RODENT SHIELD DETAIL

BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR	SERIES	8,730# UNCOATED 7,490# COATED — LOCATION
A701		60	6-5				FOOTING
A702		52	2-9				FOOTING
A503		12	53-10				FOOTING
A704		1	10-1				FOOTING ℄ WING 1
A705		1	8-11				FOOTING ℄ WING 2
A606		103	5-6	X			FOOTING DOWELS F.F.
A607		103	7-3	X			FOOTING DOWELS B.F.
A608		103	10-7	X			BODY VERT.
A609		16	52-11				BODY HORIZ.
A510		10	24-10				BODY HORIZ. B.F.
A911		8	20-0				BODY HORIZ. B.F. ℄ WING 1
A712		7	16-0				BODY HORIZ. B.F. ℄ WING 2
A413		106	11-5	X			BODY VERT. TOP
A414		8	40-6				BODY HORIZ. TOP
A515	X	100	6-6	X			BACKWALL VERT.
A516	X	103	16-4	X			BACKWALL VERT.
A417	X	48	35-8				BACKWALL HORIZ.
A518	X	103	5-6	X			PAVING BLOCK VERT.
A519	X	45	8-0				PAVING BLOCK HORIZ.
A520	X	14	20-0	X			WING 1 VERT.
A821	X	10	16-9				WING 1 HORIZ. B.F.
A522	X	7	16-9				WING 1 HORIZ. F.F.
A823	X	3	16-9				WING 1 HORIZ. TOP
A524	X	14	19-9	X			WING 1 VERT.
A525	X	7	15-3	X			WING 1 VERT.
A426	X	19	23-3				WING 1 HORIZ. E.F.
A627	X	2	23-3				WING 1 HORIZ. E.F.
A428	X	8	8-6				WING 1 VERT. E.F.
A529	X	7	15-8	X			WING 2 VERT.
A730	X	8	10-9				WING 2 HORIZ. B.F.
A531	X	5	14-6				WING 2 HORIZ. F.F.
A732	X	3	10-9				WING 2 HORIZ. TOP
A533	X	10	19-3	X			WING 2 VERT.
A534	X	7	14-11	X			WING 2 VERT.
A435	X	19	21-0				WING 2 HORIZ. E.F.
A636	X	2	21-0				WING 2 HORIZ. E.F.
A437	X	12	8-4				WING 2 VERT. E.F.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

⊕ RUSTICATIONS. FOR DETAILS SEE SHEET 15

⊖ PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN AS DETAILED ON THIS SHEET. RODENT SHIELD TO BE INCLUDED IN BID PRICE OF "PIPE UNDERDRAIN WRAPPED 6-INCH".

◨ 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT ABOVE FOOTING.

◑ KEYED CONST. JOINT - FORMED BY A BEVELED 2" x 6"

⊞ CONST. JOINT - POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IS IN PLACE. STRIKE OFF AND LEAVE ROUGH.

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

FOR PILE SPLICE DETAIL SEE SHEET 3

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

DRAWN BY CLS | PLANS CK'D. CBM

SOUTH ABUTMENT DETAILS AND BILL OF BARS

$PRFNAME$
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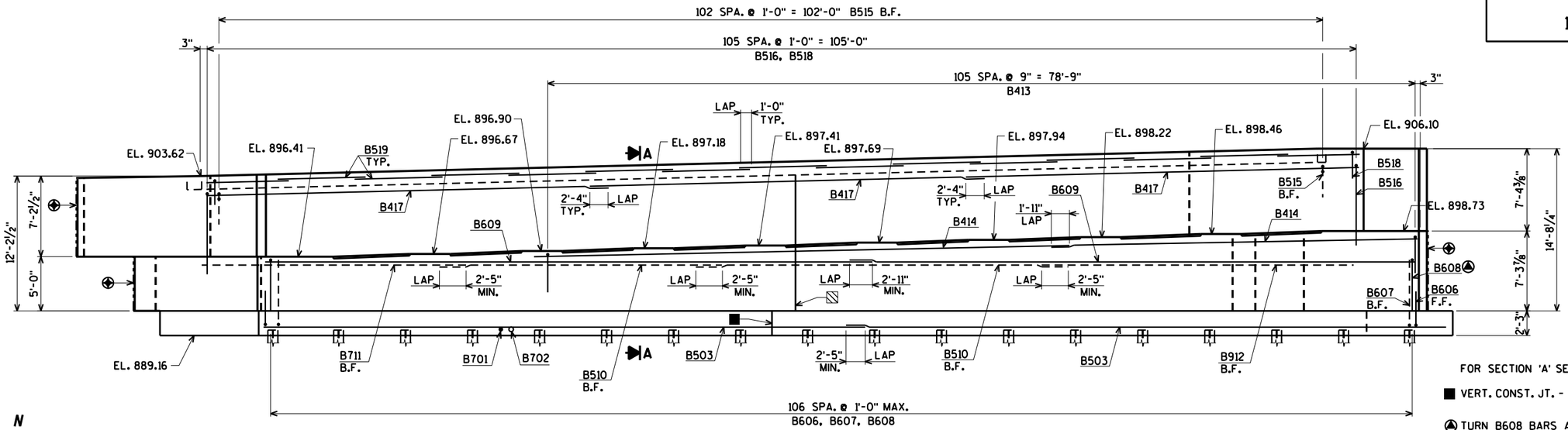

ELEVATION
(LOOKING NORTH)

FOR SECTION 'A' SEE SHEET 14

■ VERT. CONST. JT. - OPTIONAL IN FOOTING.

Ⓐ TURN B608 BARS AS NECESSARY TO FIT IN ABUTMENT BODY CORNER NEAR WING 4.

⊖ PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN. FOR DETAILS SEE SHEET 9.

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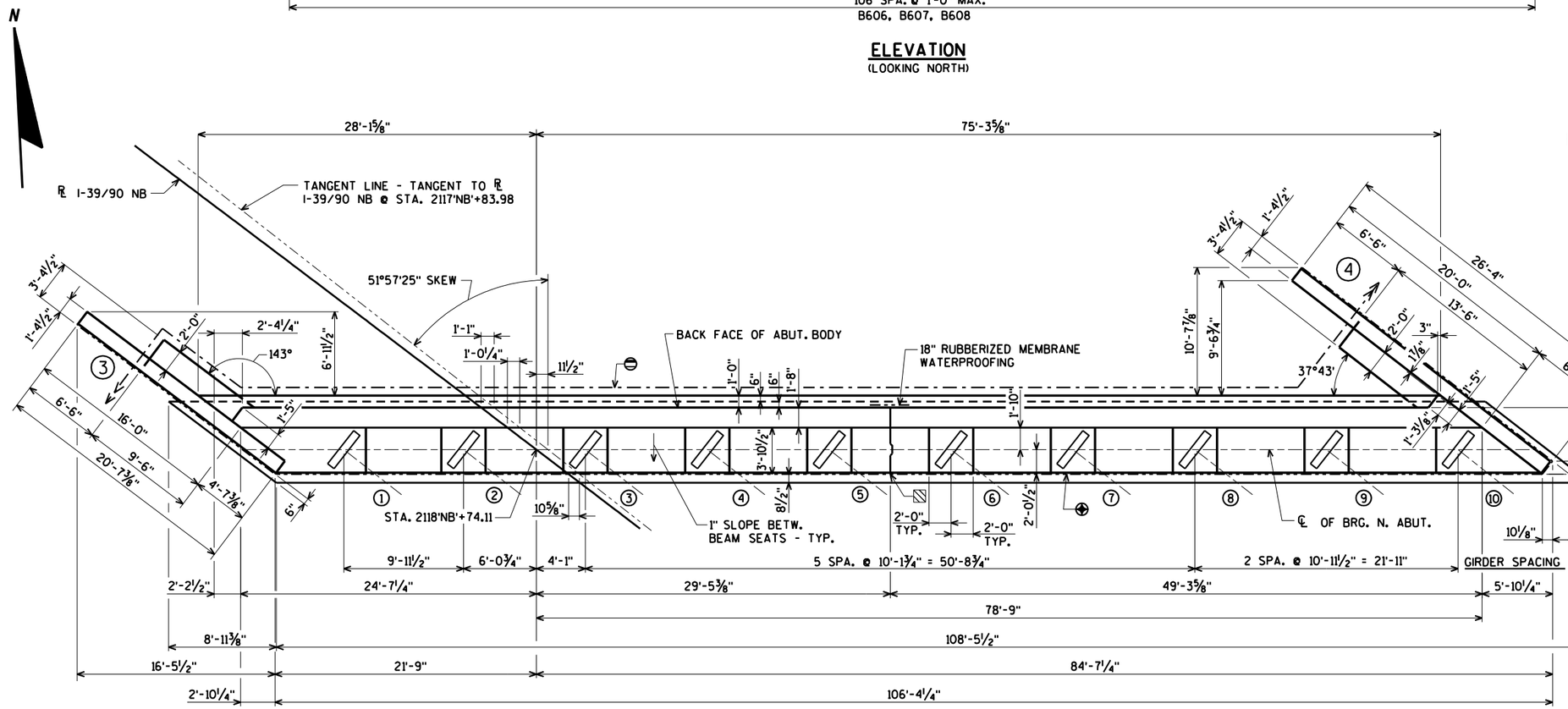
⊕ RUSTICATIONS. FOR DETAILS SEE SHEET 15

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

FOR PILE SPLICE DETAIL SEE SHEET 3



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

DRAWN BY CLS | PLANS CK'D. CBM

NORTH ABUTMENT

SHEET 10 OF 38
494

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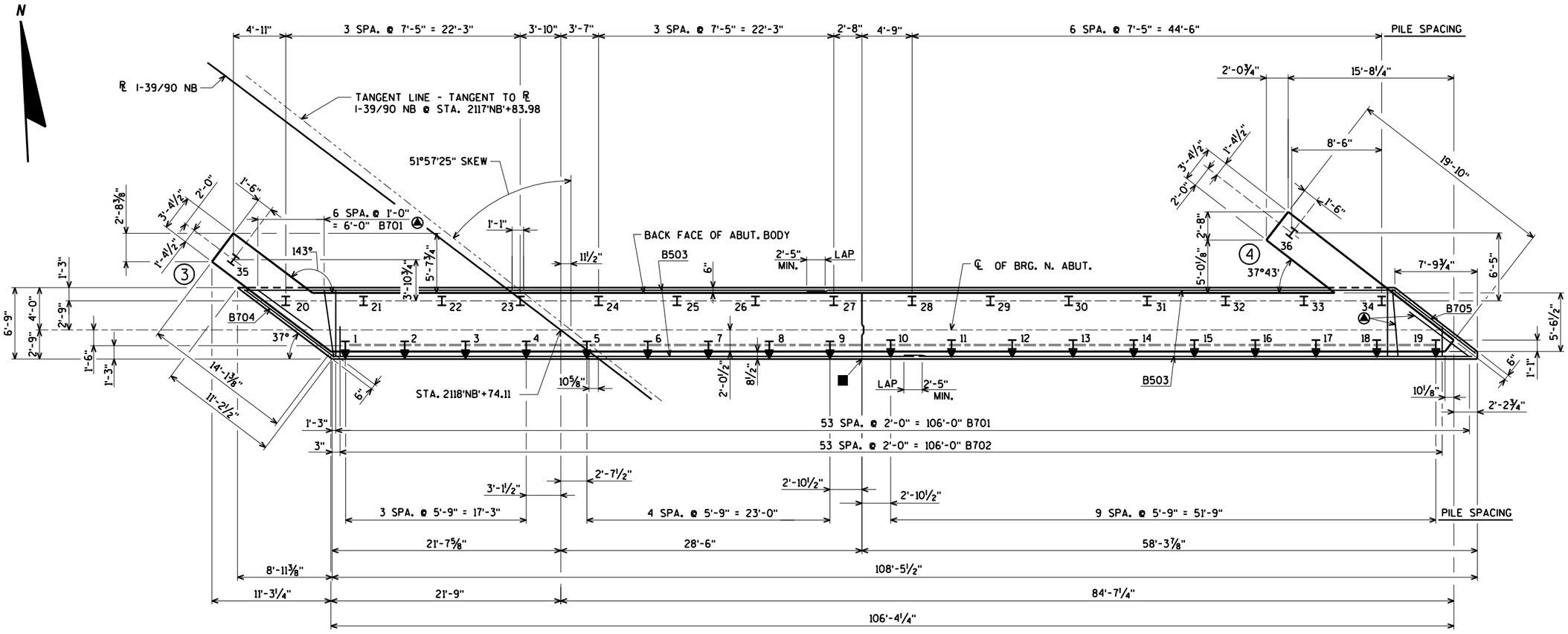

FOOTING LAYOUT

■ VERT. CONST. JT. - OPTIONAL IN FOOTING.

④ TURN B701 BARS AS NECESSARY TO FIT IN FOOTING CORNER.

DENOTES BATTERED PILES. BATTER 3" PER FOOT IN DIRECTION SHOWN.

FOR PILE SPLICE DETAIL SEE SHEET 3

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

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NORTH ABUTMENT FOOTING LAYOUT

SHEET 11 OF 38
495

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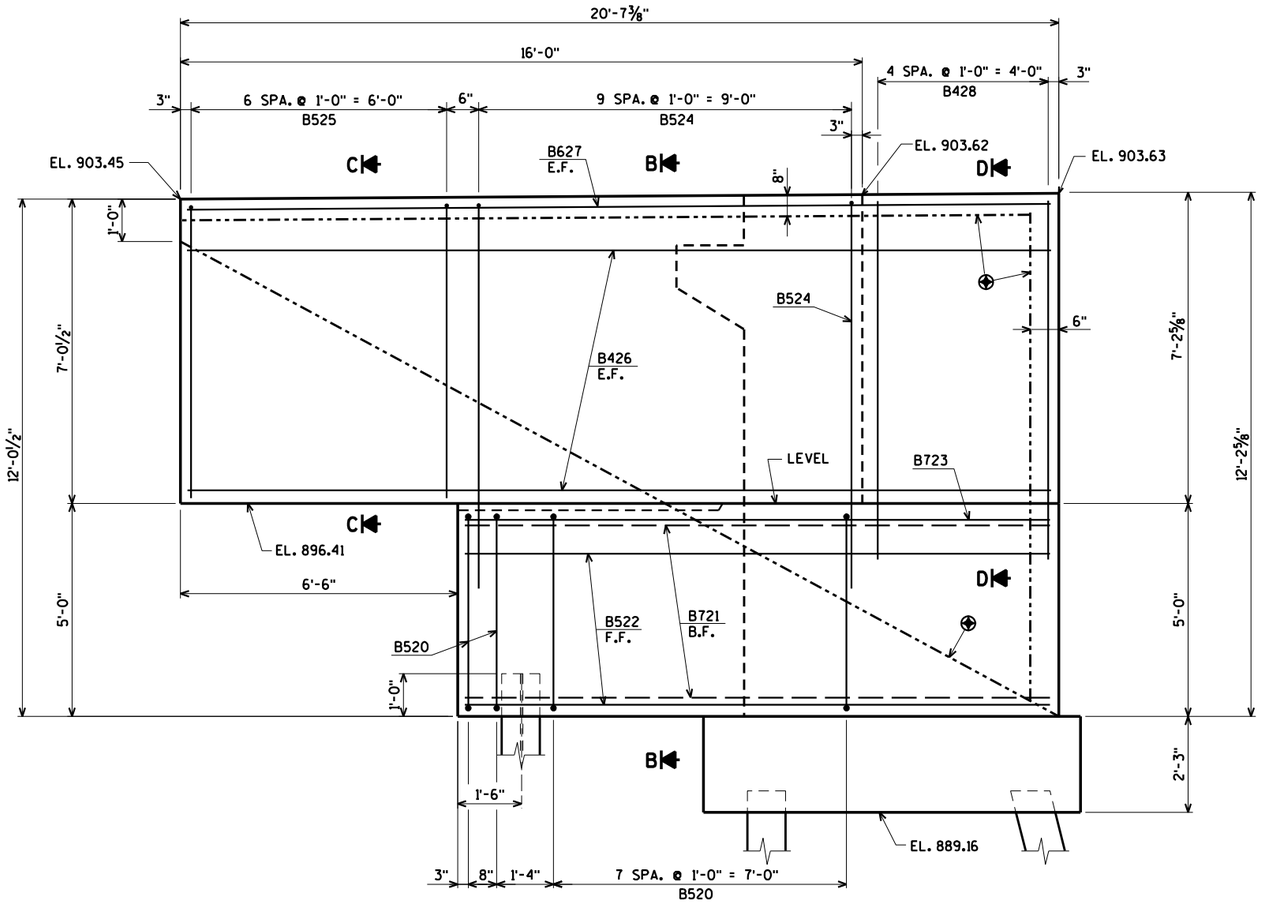
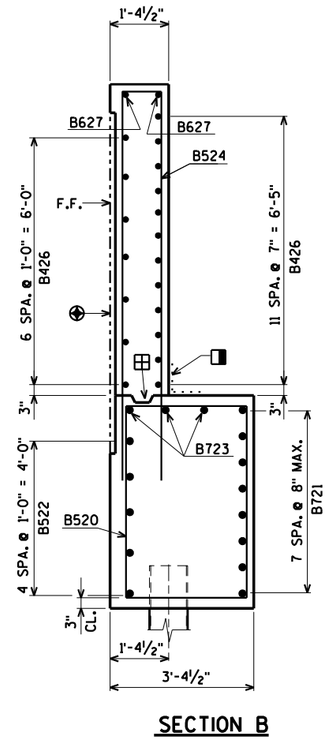
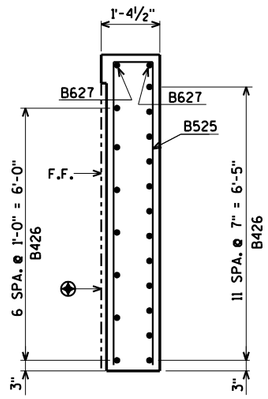


ELEVATION WING 3



SECTION B



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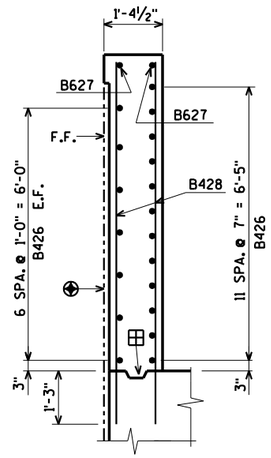

SECTION D

⊕ RUSTICATIONS.
FOR DETAILS SEE SHEET 15

◨ 18" RUBBERIZED MEMBRANE WATERPROOFING
SEAL ALL HORIZONTAL AND VERTICAL JOINTS
ON BACK FACE OF ABUTMENT ABOVE FOOTING.

⊞ OPT. KEYED CONST. JOINT - FORMED
BY A BEVELED 2" x 6".

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

FOR PILE SPLICE DETAIL SEE SHEET 3

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

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NORTH ABUTMENT
WING 3 DETAILS

SHEET 12 OF 38
496

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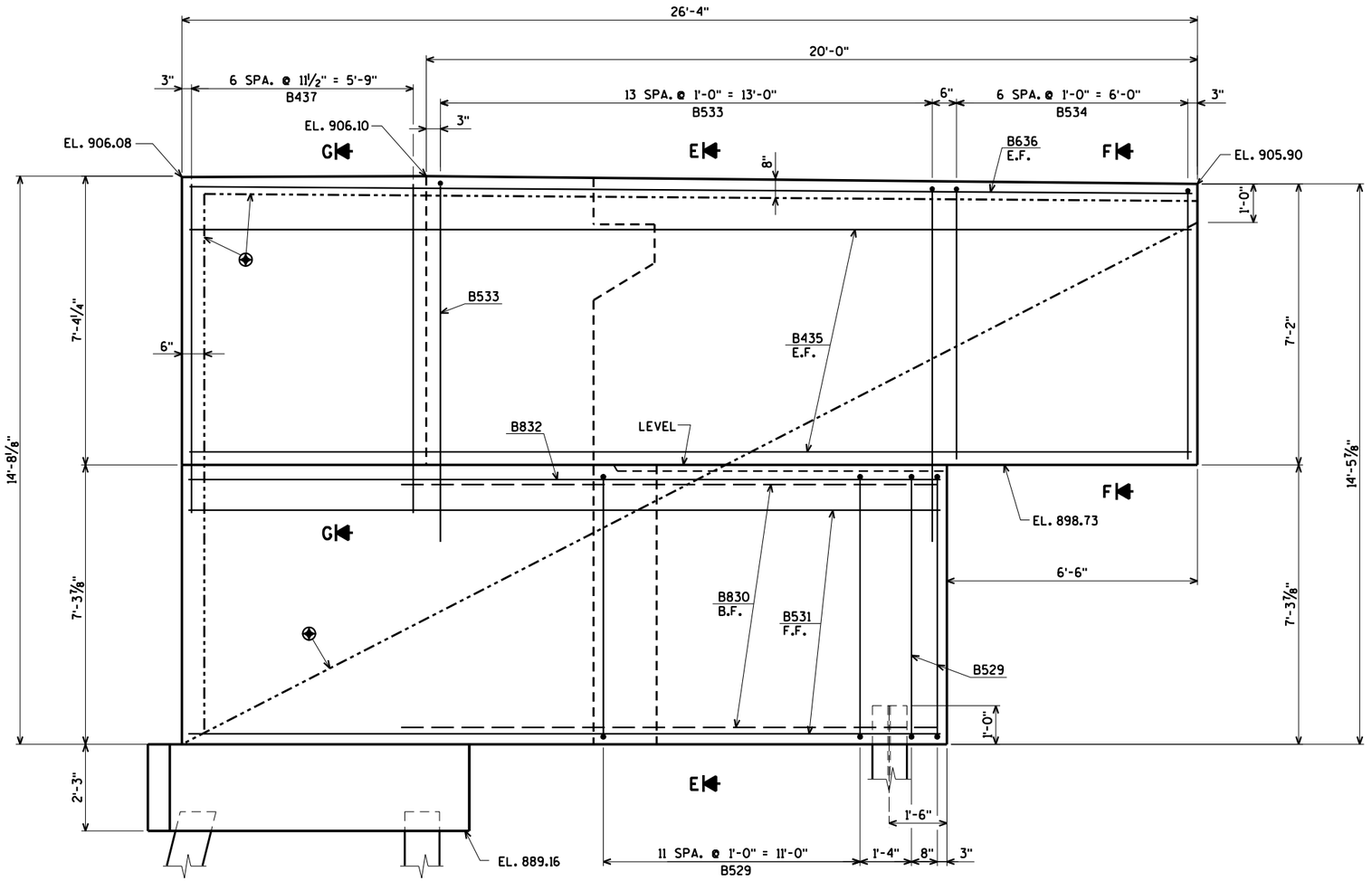
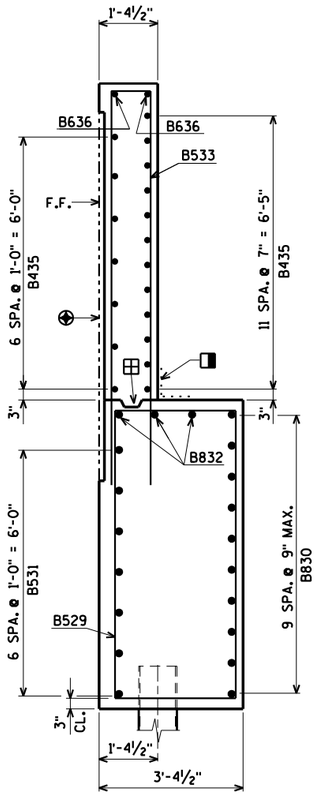
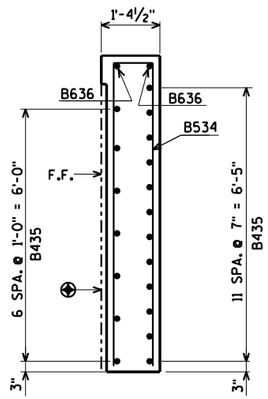


ELEVATION WING 4



SECTION E



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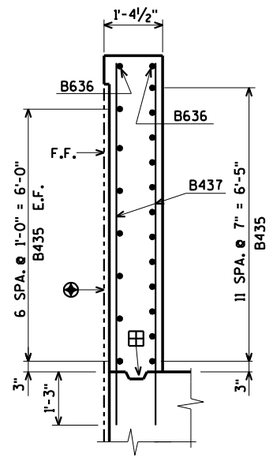

SECTION G

⊕ RUSTICATIONS.
FOR DETAILS SEE SHEET 15

◨ 18" RUBBERIZED MEMBRANE WATERPROOFING
SEAL ALL HORIZONTAL AND VERTICAL JOINTS
ON BACK FACE OF ABUTMENT ABOVE FOOTING.

⊞ OPT. KEYED CONST. JOINT - FORMED
BY A BEVELED 2" x 6".

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

FOR PILE SPLICE DETAIL SEE SHEET 3

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STRUCTURE B-13-717

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NORTH ABUTMENT
WING 4 DETAILS

SHEET 13 OF 38
497

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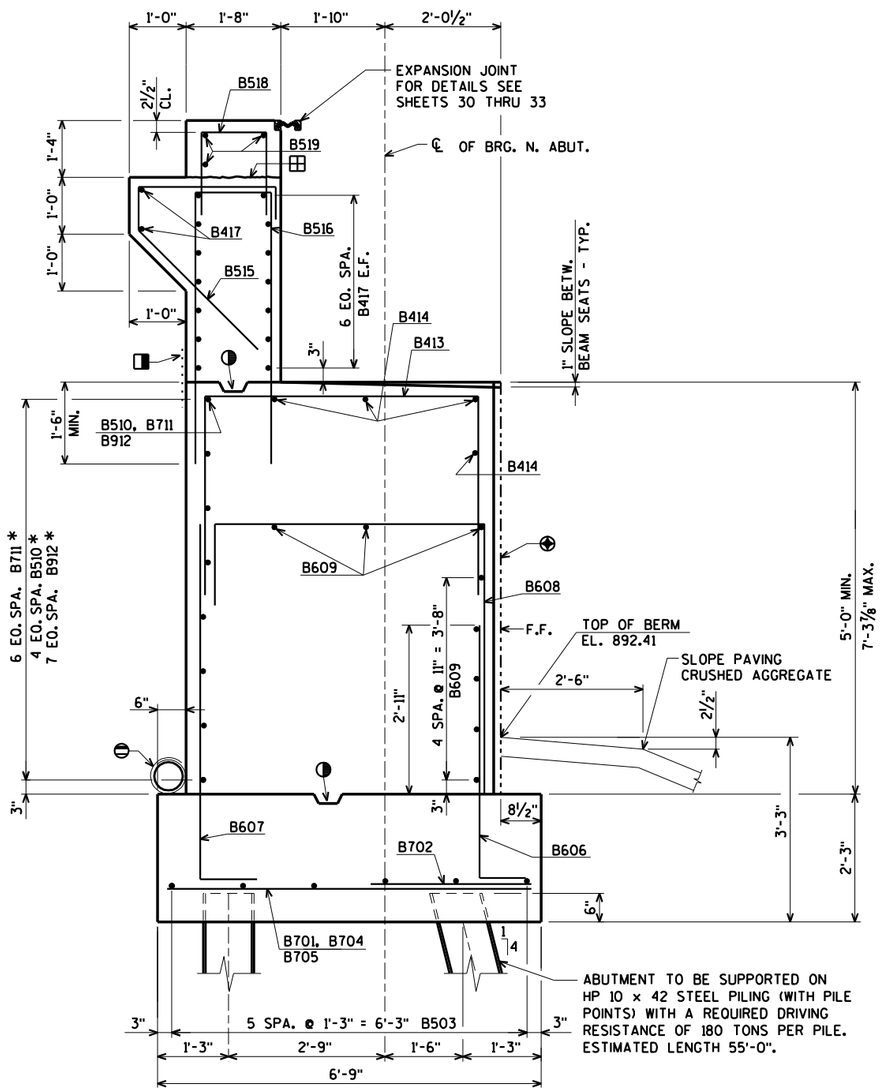


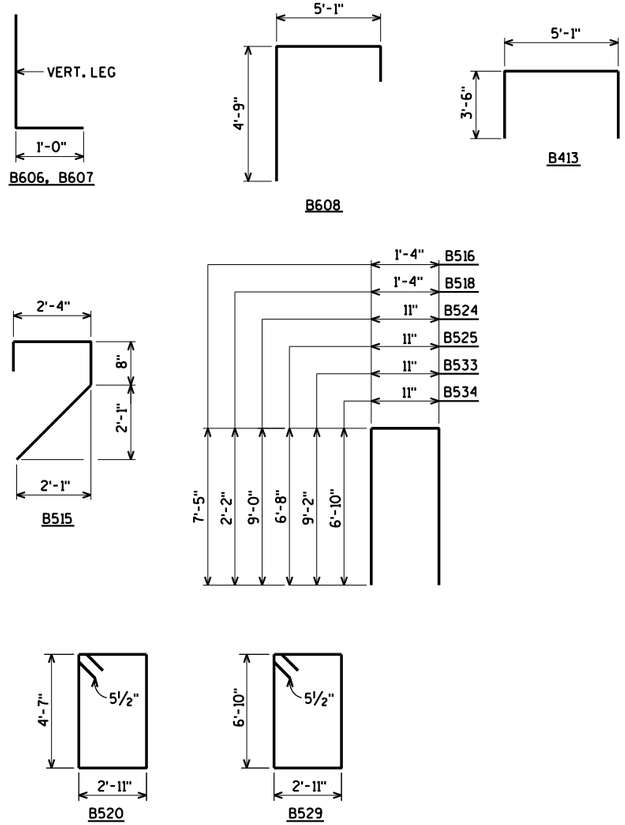
ABUTMENT TO BE SUPPORTED ON HP 10 x 42 STEEL PILING (WITH PILE POINTS) WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. ESTIMATED LENGTH 55'-0".

EXCAVATE OR FILL TO BOTTOM OF ABUTMENT BEFORE DRIVING PILES.

TYPICAL SECTION THRU BODY SECTION A

FOR LOCATION OF SECTION 'A' SEE SHEET 10

* FLAIR BACK FACE BARS AND LAP TO TIE INTO ONE ANOTHER.



⊕ RUSTICATIONS. FOR DETAILS SEE SHEET 15

⊖ PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN AS DETAILED ON SHEET 9. RODENT SHIELD TO BE INCLUDED IN BID PRICE OF "PIPE UNDERDRAIN WRAPPED 6-INCH".

◨ 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT ABOVE FOOTING.

◑ KEYED CONST. JOINT - FORMED BY A BEVELED 2" x 6"

⊞ CONST. JOINT - POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IS IN PLACE. STRIKE OFF AND LEAVE ROUGH.

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

FOR PILE SPLICE DETAIL SEE SHEET 3

STATE PROJECT NUMBER

1007-11-71

BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR	SERIES	9,140# UNCOATED 7,650# COATED LOCATION
B701		61	6-5				FOOTING
B702		54	2-2				FOOTING
B503		12	55-6				FOOTING
B704		1	10-8				FOOTING ⊕ WING 3
B705		1	9-11				FOOTING ⊕ WING 4
B606		107	5-6	X			FOOTING DOWELS F.F.
B607		107	7-3	X			FOOTING DOWELS B.F.
B608		107	11-1	X			BODY VERT.
B609		16	54-0				BODY HORIZ.
B510		10	38-8				BODY HORIZ. B.F.
B711		7	16-0				BODY HORIZ. B.F. ⊕ WING 3
B912		8	20-0				BODY HORIZ. B.F. ⊕ WING 4
B413		106	11-11	X			BODY VERT. TOP
B414		8	40-6				BODY HORIZ. TOP
B515	X	103	6-6	X			BACKWALL VERT.
B516	X	106	16-0	X			BACKWALL VERT.
B417	X	48	35-11				BACKWALL HORIZ.
B518	X	106	5-6	X			PAVING BLOCK VERT.
B519	X	45	8-0				PAVING BLOCK HORIZ.
B520	X	10	15-8	X			WING 3 VERT.
B721	X	8	13-9				WING 3 HORIZ. B.F.
B522	X	5	13-9				WING 3 HORIZ. F.F.
B723	X	3	13-9				WING 3 HORIZ. TOP
B524	X	10	18-9	X			WING 3 VERT.
B525	X	7	7-5	X			WING 3 VERT.
B426	X	19	20-3				WING 3 HORIZ. E.F.
B627	X	2	20-3				WING 3 HORIZ. E.F.
B428	X	10	8-3				WING 3 VERT. E.F.
B529	X	14	20-2	X			WING 4 VERT.
B830	X	10	16-6				WING 4 HORIZ. B.F.
B531	X	7	19-0				WING 4 HORIZ. F.F.
B832	X	3	16-6				WING 4 HORIZ. TOP
B533	X	14	19-1	X			WING 4 VERT.
B534	X	7	14-5	X			WING 4 VERT.
B435	X	19	26-0				WING 4 HORIZ. E.F.
B636	X	2	26-0				WING 4 HORIZ. E.F.
B437	X	14	8-7				WING 4 VERT. E.F.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

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NORTH ABUTMENT DETAILS AND BILL OF BARS

SHEET 14 OF 38
498

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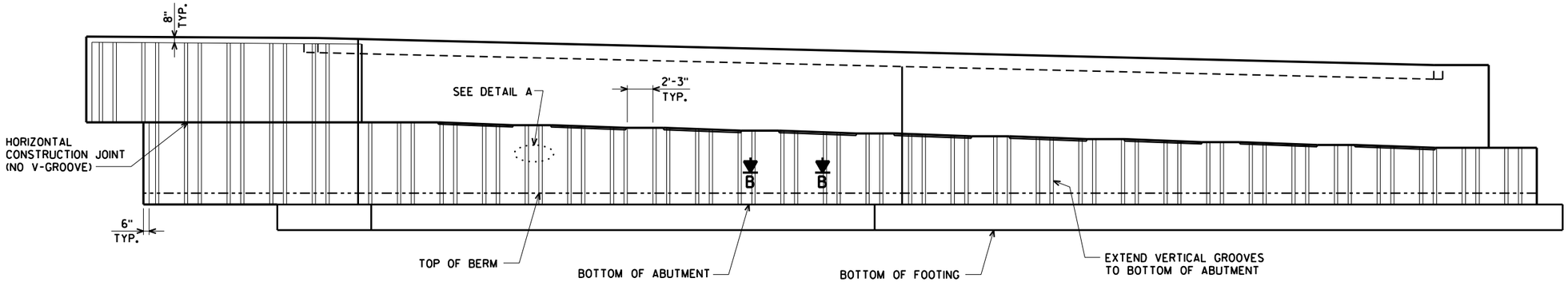
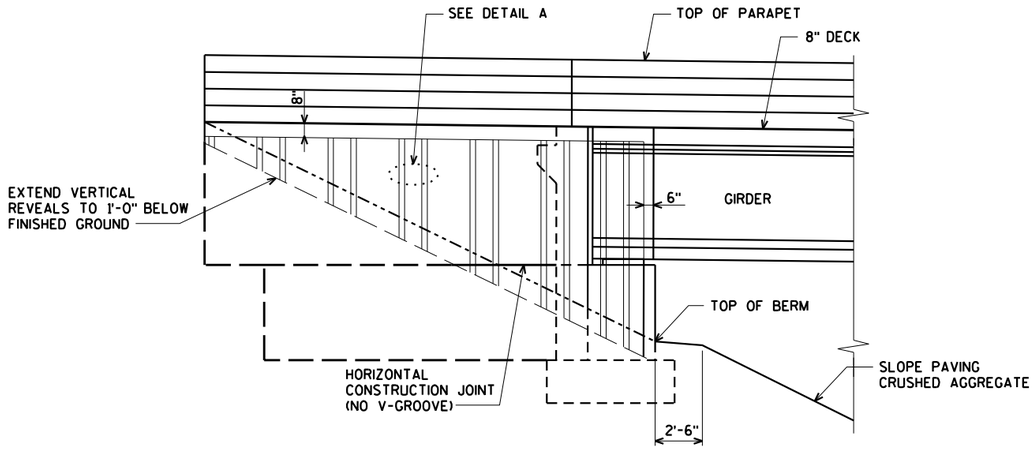
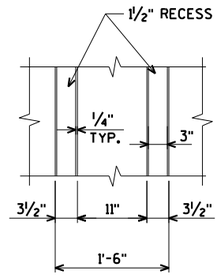


ELEVATION FOR TYPICAL ABUTMENT AND WINGWALL PARALLEL TO CENTERLINE OF ABUTMENT

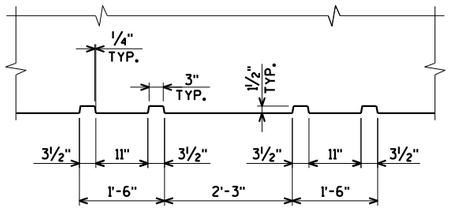
(SOUTH ABUTMENT SHOWN, NORTH ABUTMENT SIMILAR)



TYPICAL WINGWALL PARALLEL TO ROADWAY



DETAIL A



SECTION B-B

8

8

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STRUCTURE B-13-717

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ABUTMENT ARCHITECTURAL TREATMENT

SHEET 15 OF 38
499

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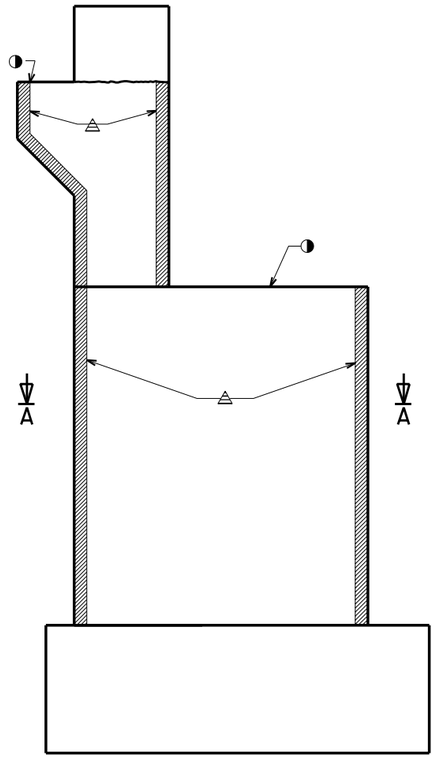
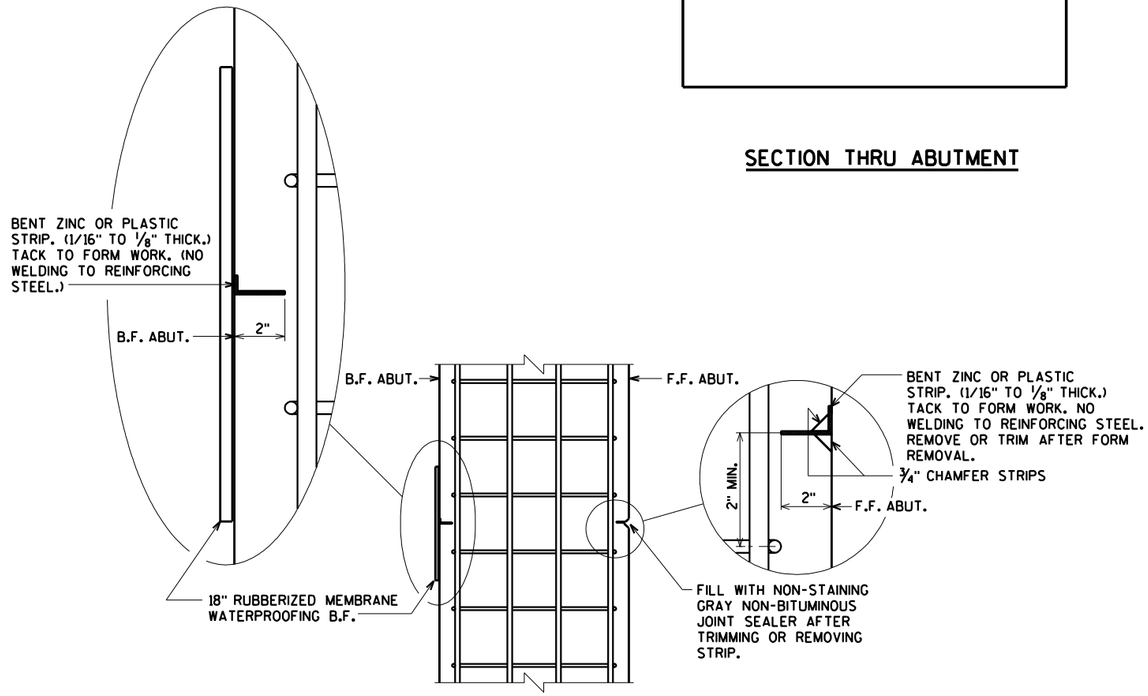
STATE PROJECT NUMBER
1007-11-71



SECTION THRU ABUTMENT



SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

◑ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

△ BENT ZINC OR PLASTIC STRIP.

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

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ALTERNATE CONSTRUCTION JOINT

SHEET 16 OF 38
500

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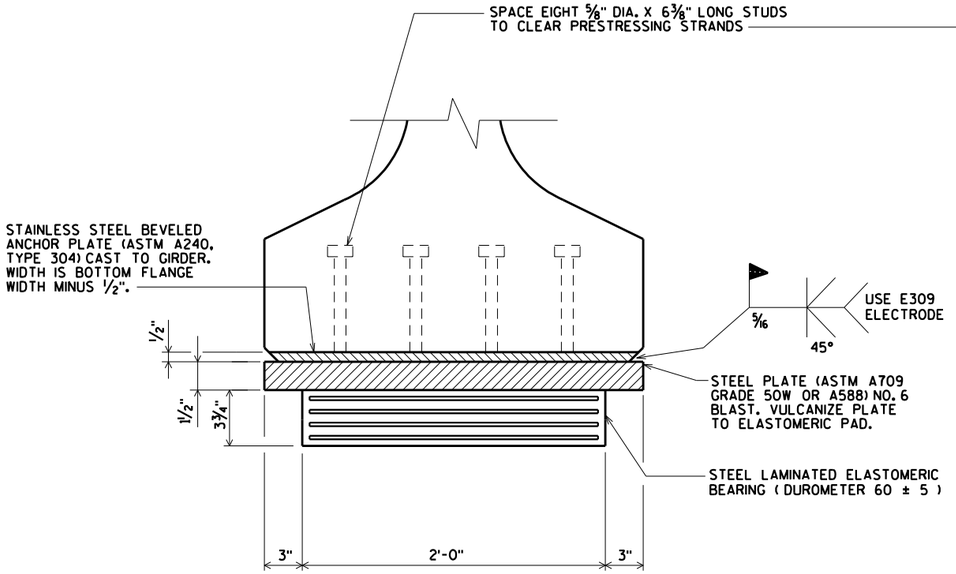
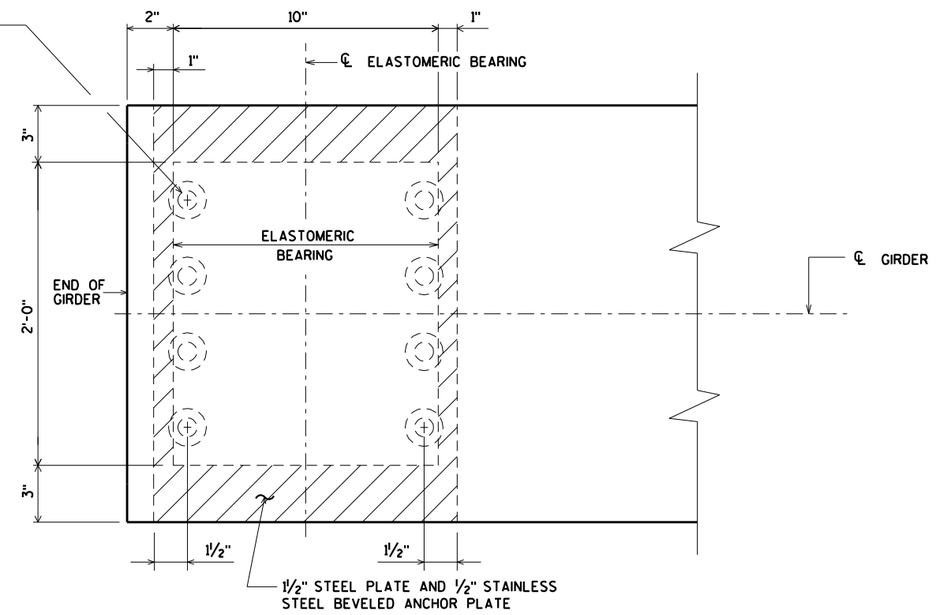
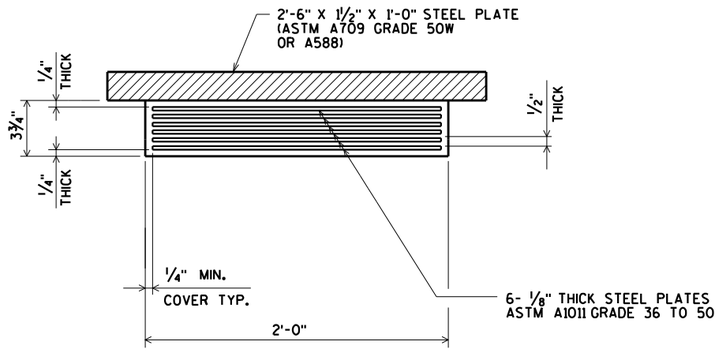


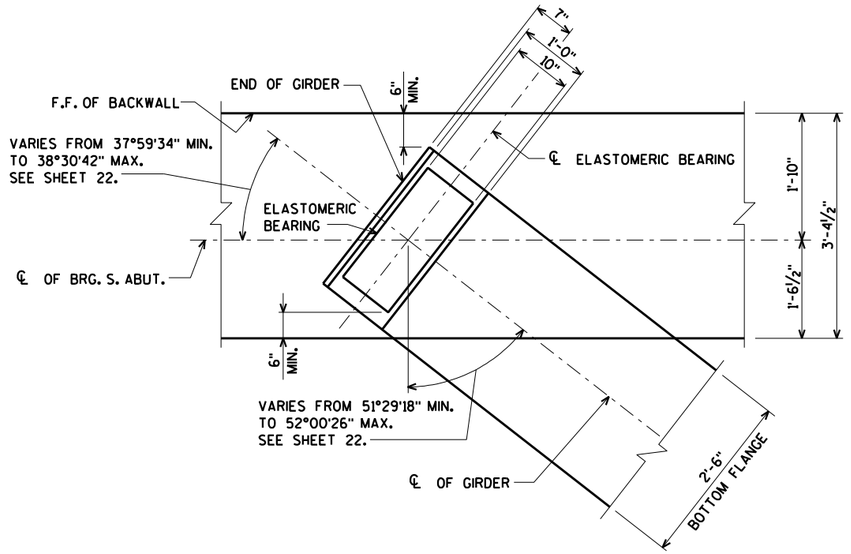
END VIEW



PLAN VIEW



SECTION THRU ELASTOMERIC BEARING



BEARING PLAN AT SOUTH ABUTMENT

NOTES

BEARINGS SHALL NOT BE PLACED AT A TEMPERATURE GREATER THAN 85° F.

ALL MATERIAL USED FOR BEARINGS SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "BEARING PADS ELASTOMERIC LAMINATED", EACH.

ALL STRUCTURAL STEEL BEARING PLATES SHALL BE FLAT ROLLED WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

F.F. DENOTES FRONT FACE

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DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

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SOUTH ABUTMENT BEARING DETAILS

SHEET 17 OF 38
501

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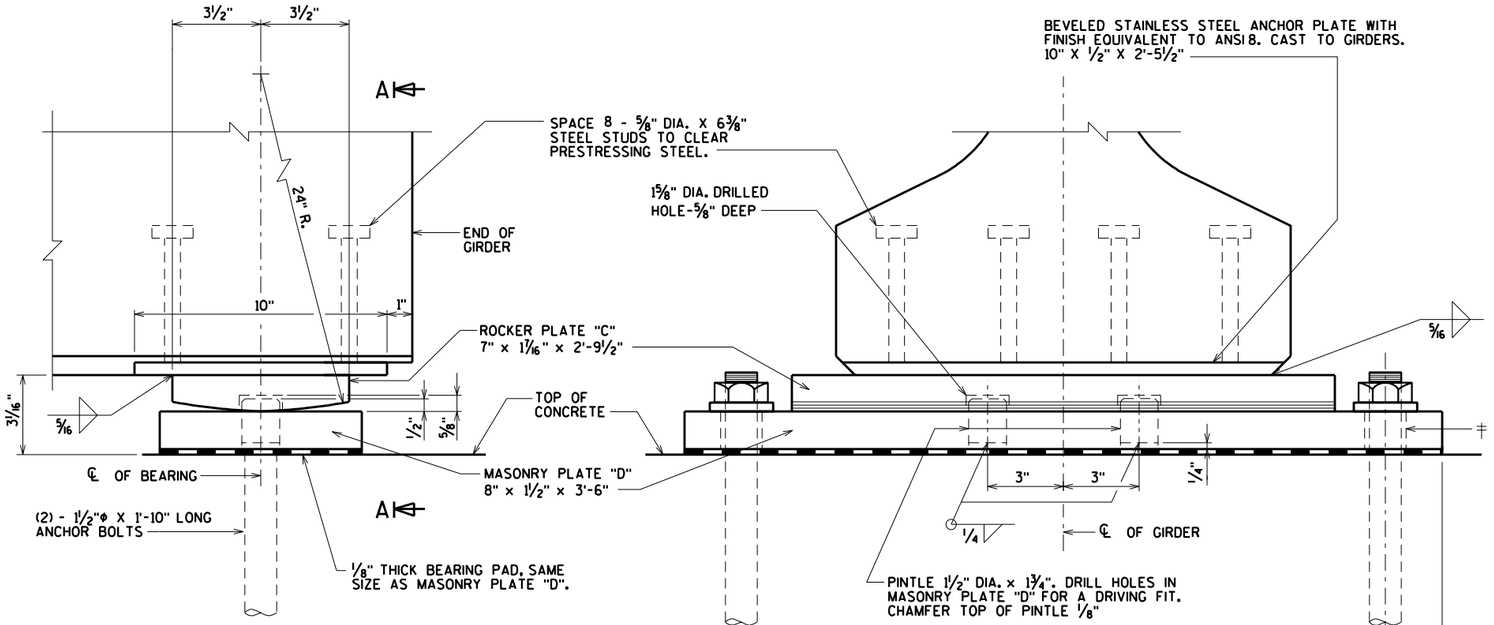


FIXED BEARING ASSEMBLY

SECTION A-A

BEARING NOTES

ALL BEARINGS ARE SYMMETRICAL ABOUT ℄ OF GIRDER AND ℄ OF BEARING.

ALL MATERIAL IN BEARINGS, BUT EXCLUDING STAINLESS STEEL PLATE, PINTLES, ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A709 GRADE 50W.

STAINLESS STEEL PLATE SHALL CONFORM TO ASTM A240, TYPE 304.

STEEL PINTLES SHALL CONFORM TO ASTM A449 OR MATERIAL OF EQUIVALENT YIELD STRENGTH AND ELONGATION.

ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A709 GRADE 36, OR MATERIAL OF EQUIVALENT YIELD STRENGTH AND ELONGATION.

ALL STRUCTURAL STEEL BEARING PLATES SHALL BE FLAT ROLLED STEEL PLATES WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL FINISHED SURFACES SHALL BE MACHINE FINISHED BY AN AUTOMATIC PROCESS.

ANCHOR BOLTS SHALL BE THREADED 3". PROVIDE ONE STANDARD WROUGHT WASHER AND ONE HEX NUT PER BOLT. PROJECT ANCHOR BOLTS, MASONRY PLATE "D" THICKNESS + 2¼", ABOVE TOP OF CONCRETE.

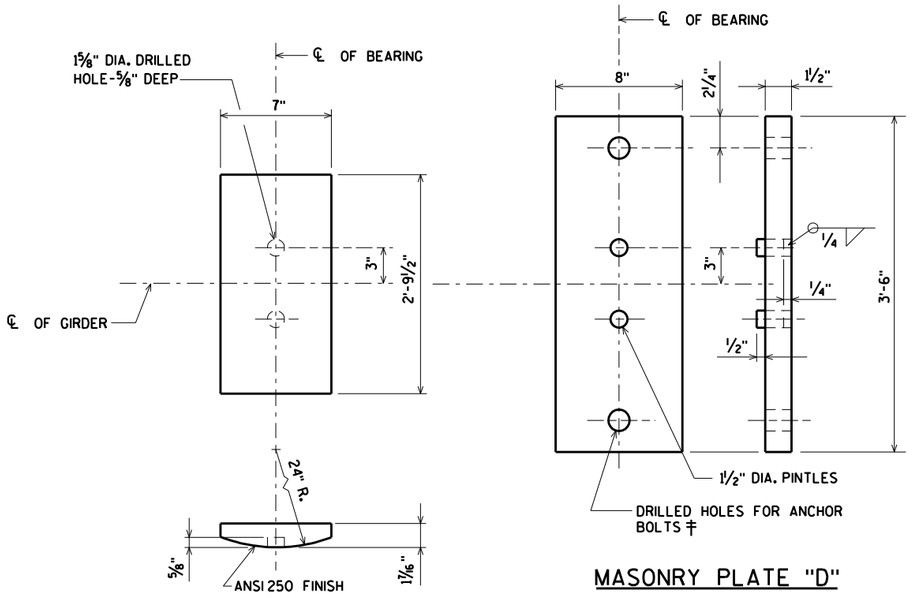
CHAMFER ANCHOR BOLTS PRIOR TO THREADING.

MASONRY PLATE "D", ROCKER PLATE "C", ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153, CLASS "C".

ALL MATERIAL IN "NORTH ABUTMENT BEARINGS DETAILS", INCLUDING BEARING PADS, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "BEARING ASSEMBLIES FIXED B-13-717", EACH.

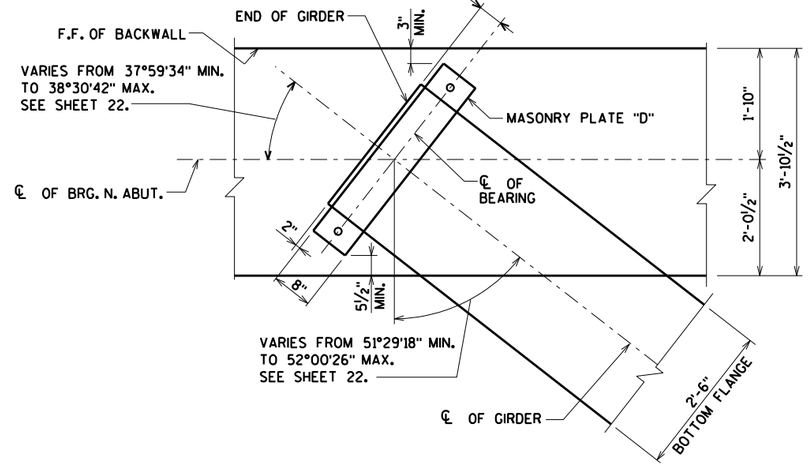
‡ DRILLED HOLES FOR ANCHOR BOLTS IN MASONRY PLATE "D" SHALL HAVE A DIAMETER ⅜" LARGER THAN ANCHOR BOLT.

PROVIDE A METHOD FOR HANDLING ROCKER PLATE "C" DURING GALVANIZING.



ROCKER PLATE "C"

MASONRY PLATE "D"



BEARING PLAN AT NORTH ABUTMENT

F.F. DENOTES FRONT FACE

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NORTH ABUTMENT BEARING DETAILS

SHEET 18 OF 38
502

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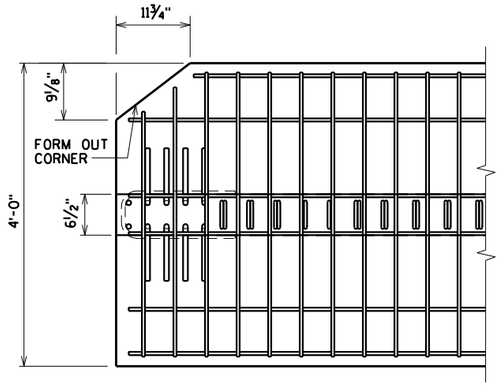


NOTE:
FOR STORAGE, HANDLING AND TRANSPORTING, THIS GIRDER IS REINFORCED TO ALLOW A MAXIMUM OVERHANG FROM THE LIFTING LOCATION OR POINT OF SUPPORT OF UP TO 1/10 OF THE GIRDER LENGTH. THE CONTRACTOR IS RESPONSIBLE FOR LATERAL STABILITY OF THE GIRDER UNTIL THE DECK IS CURED.

GIRDER NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 15" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 15" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

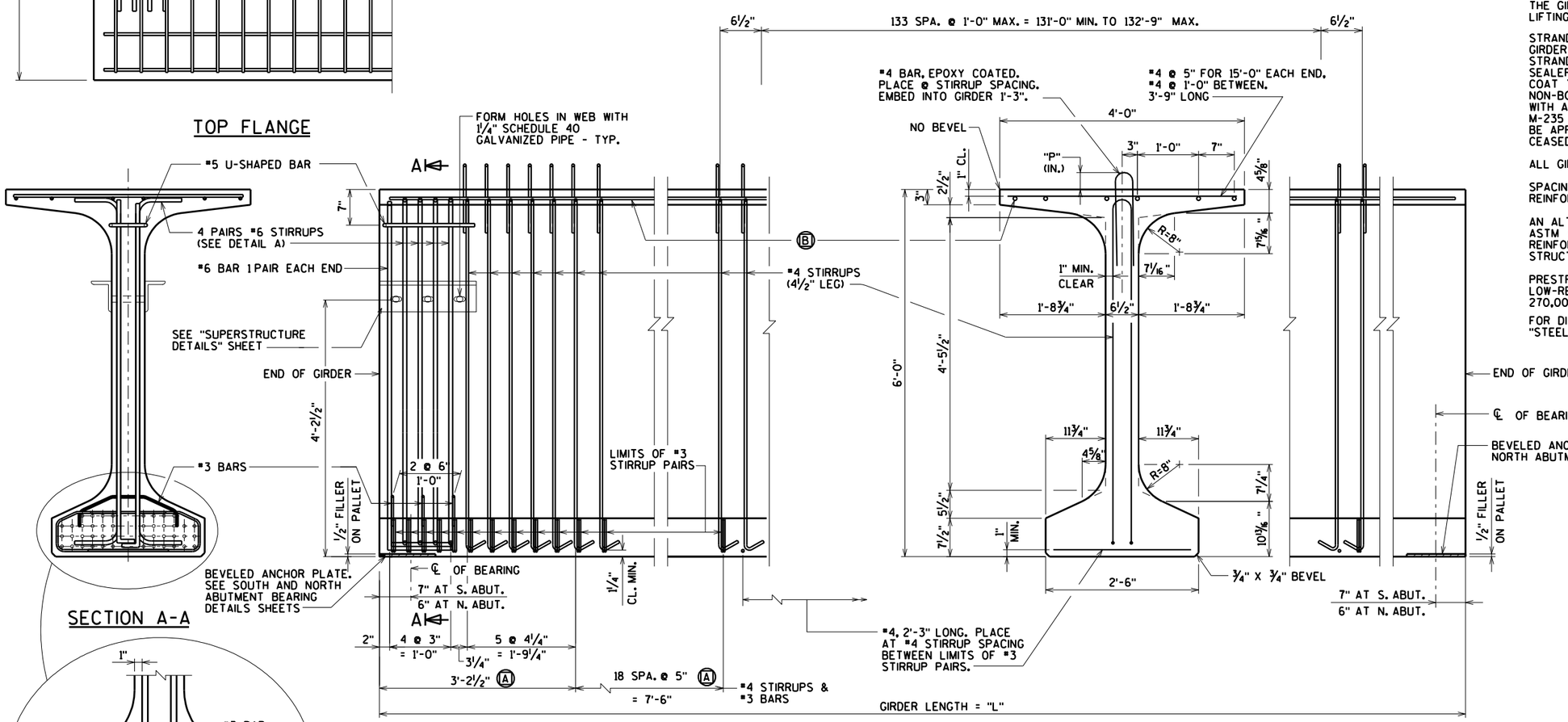
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

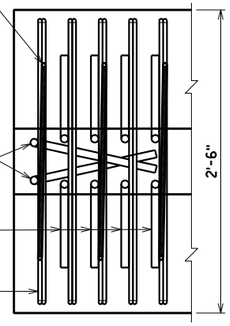
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.



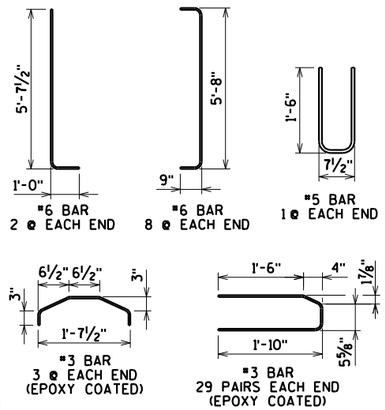


BOTTOM FLANGE DETAIL A

SIDE VIEW & TYP. SECTION IN SPAN

(A) DETAIL TYP. AT EACH END

(B) 6 #6 BARS, 34'-0" LONG AT EACH END OF GIRDER. USE 6 #4 BARS FOR THE REST OF THE BEAM. MIN. LAP OF #4 BARS = 2'-4"



GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (p.s.i.)	"P" IST 1/3 OF GIRDER	"P" MID 1/3 OF GIRDER	"P" END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *
1	1	155'-3"	0.9	1.8	2.5	2.9	3.1	2.9	2.5	1.8	0.9	8,200	8"	7"	8"	0.6	48	6,900	67	20.5	23.5	5		
1	2-8	155'-1"	0.9	1.8	2.5	2.9	3.1	2.9	2.5	1.8	0.9	8,200	8"	7"	8"	0.6	48	6,900	67	20.5	23.5	5		
1	9	154'-3½"	0.9	1.8	2.5	2.9	3.1	2.9	2.5	1.8	0.9	8,200	8"	7"	8"	0.6	48	6,900	67	20.5	23.5	5		
1	10	153'-6"	0.9	1.8	2.5	2.9	3.1	2.9	2.5	1.8	0.9	8,200	8"	7"	8"	0.6	48	6,900	67	20.5	23.5	5		

* MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

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DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

DRAWN BY CLS | PLANS CK'D. CBM

72W" PRESTRESSED GIRDER DETAILS

SHEET 19 OF 38
503

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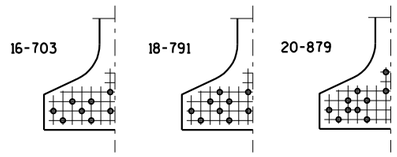
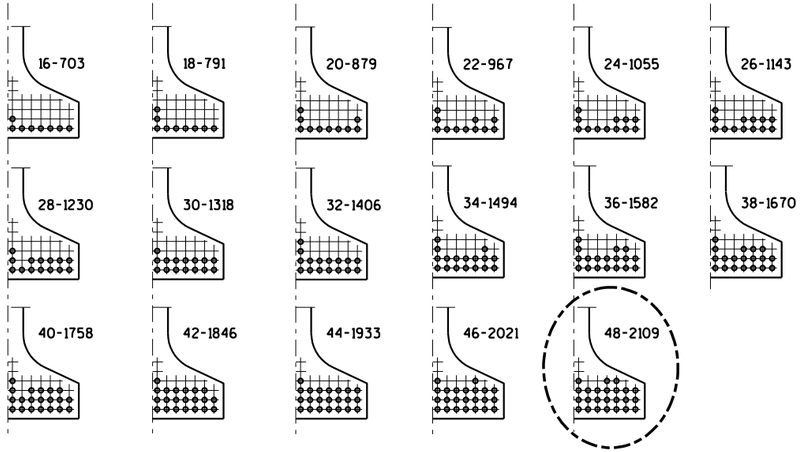


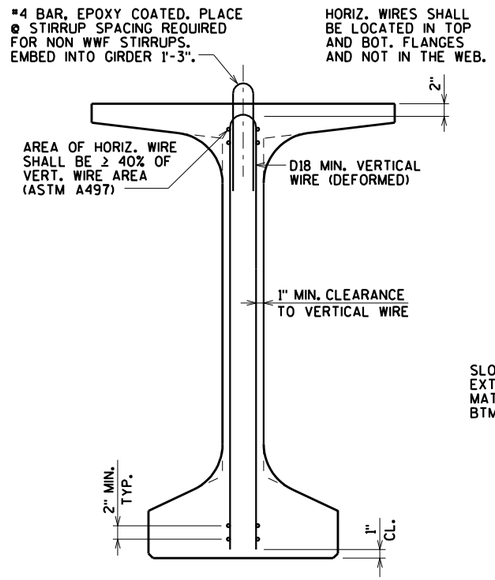
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6"Φ STRANDS



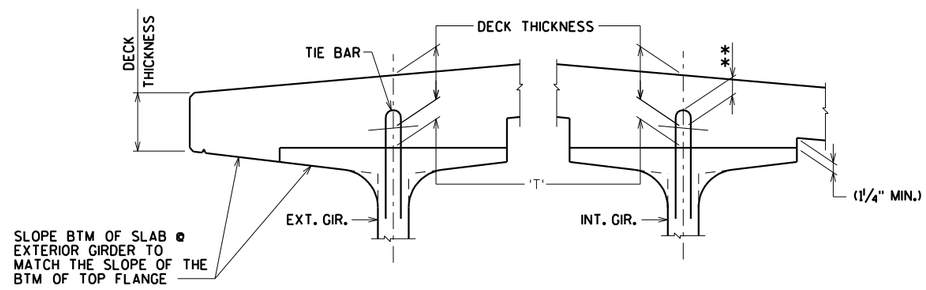
ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6"Φ STRANDS



SECTION THRU GIRDER

SHOWING WELDED WIRE FABRIC (WWF) STIRRUPS
ASTM A1064 (FY = 70 KSI)



DECK HAUNCH DETAIL

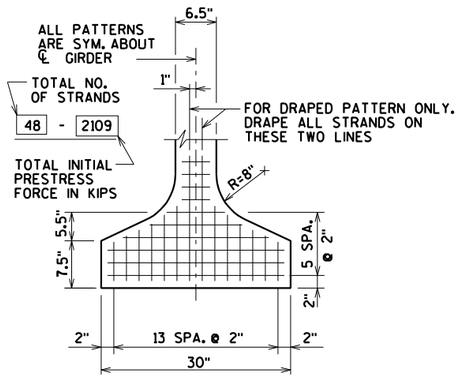
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

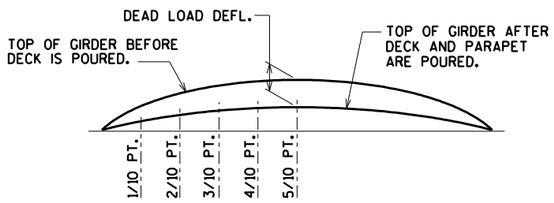
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
\- TOP OF GIRDER ELEVATION
\+ DEAD LOAD DEFLECTION
\- DECK THICKNESS
= HAUNCH HEIGHT 'T'

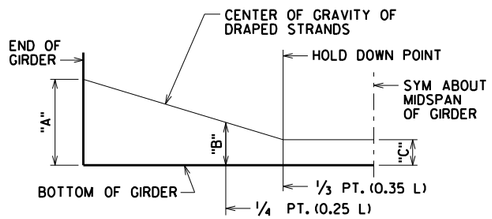
NOTE: AN AVERAGE HAUNCH ('T') OF 4" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



TYP. STRAND PATTERN



DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

* THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	1.9

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.
THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

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STRUCTURE B-13-717

DRAWN BY CLS | PLANS CK'D. CBM

72W" PRESTRESSED GIRDER DETAILS

SHEET 20 OF 38
504

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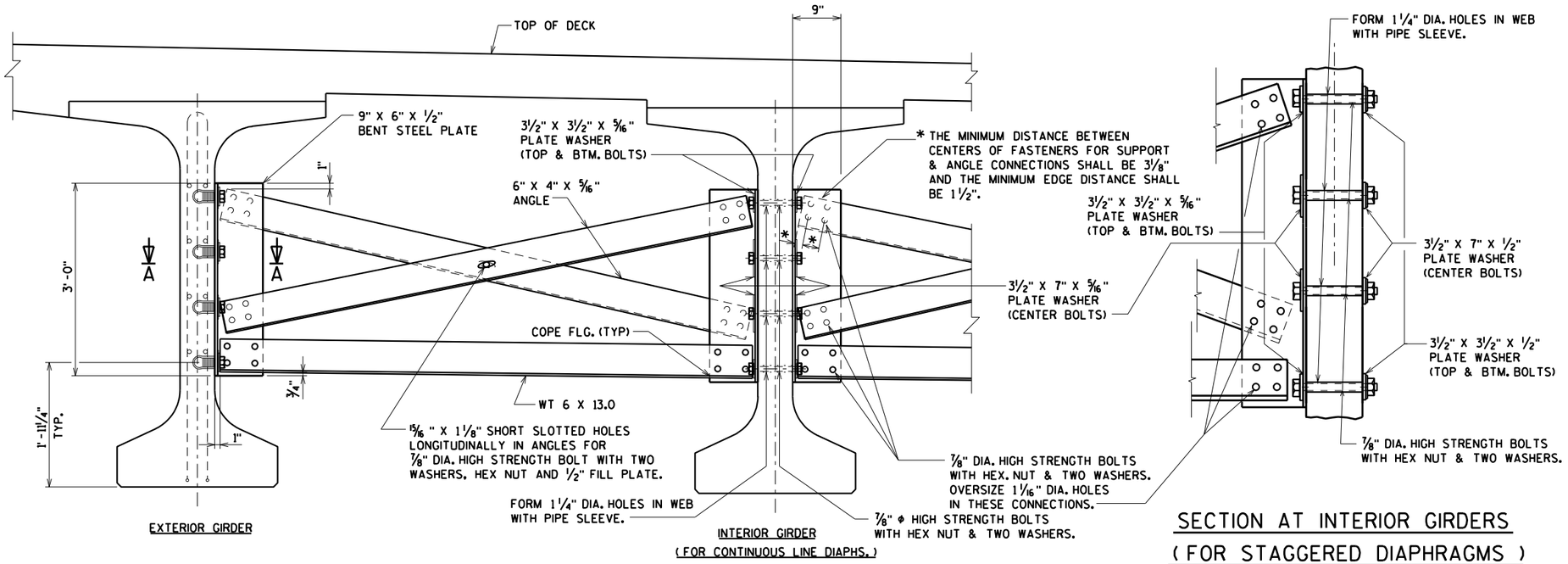
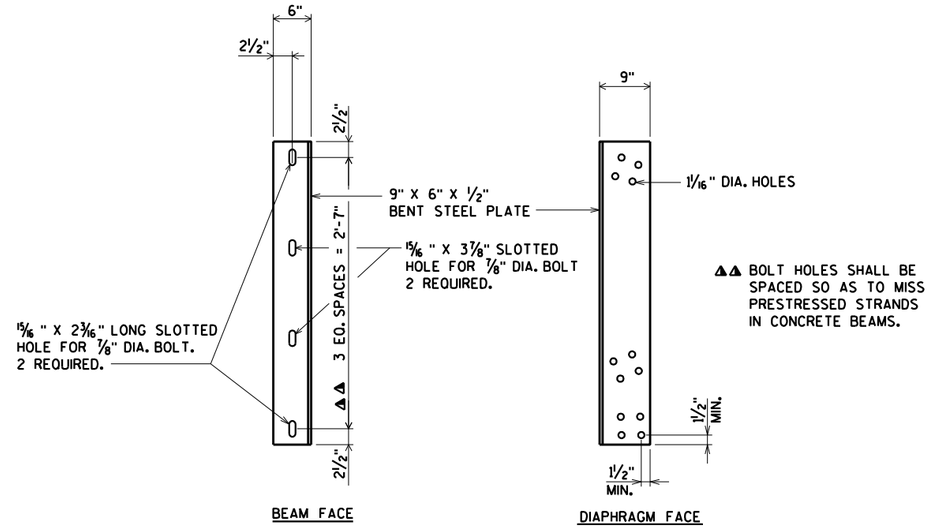
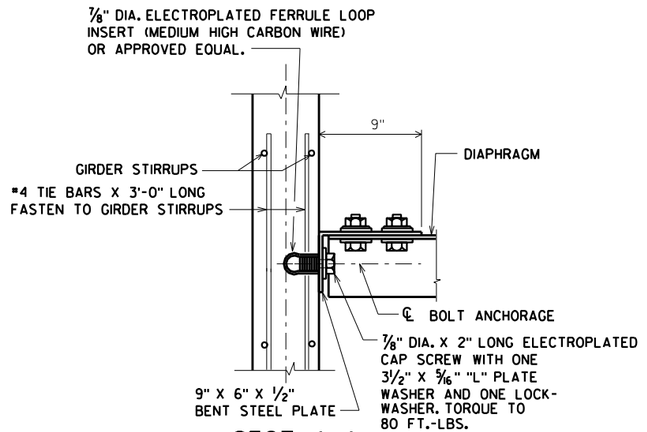


PART TRANSVERSE SECTION AT DIAPHRAGM

SECTION AT INTERIOR GIRDERS (FOR STAGGERED DIAPHRAGMS)



DIAPHRAGM SUPPORT



SECT. A-A

(FOR EXTERIOR ATTACHMENT)

"L" = 3½"; TOP AND BOTTOM BOLTS
"L" = 7"; CENTER BOLTS

NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-717", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

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STEEL DIAPHRAGM

SHEET 21 OF 38
505

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STATE PROJECT NUMBER

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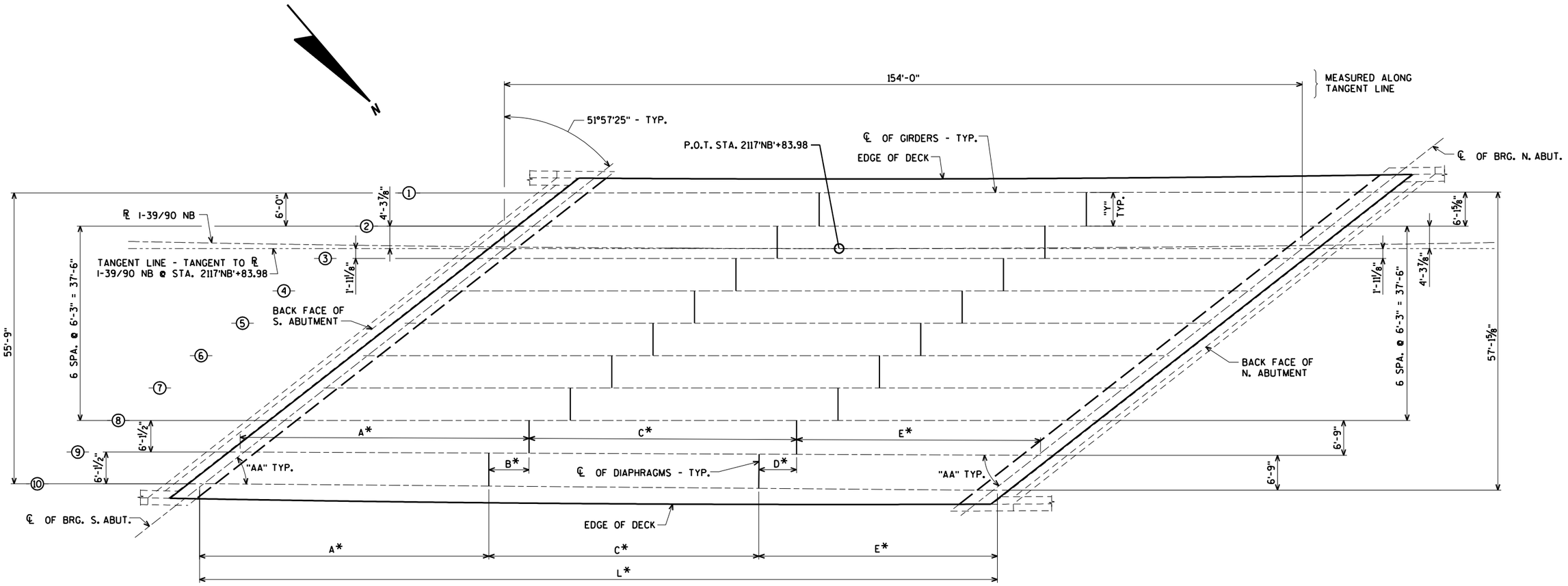

GIRDER LAYOUT

* DIMENSIONS MEASURED ALONG ℄ OF GIRDER

GIRDER AND DIAPHRAGM DIMENSIONS

GIRDER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"	DIM. "L"
1	48'-0⅛"	----	51'-7½"	----	55'-7⅜"	155'-3"
2	48'-1¾"	8'-5⅛"	51'-7"	8'-5⅝"	55'-4¼"	155'-1"
3	47'-8⅜"	7'-11⅞"	51'-8⅜"	7'-11⅞"	55'-8¼"	155'-1"
4	47'-8⅜"	7'-11⅞"	51'-8⅜"	7'-11⅞"	55'-8¼"	155'-1"
5	47'-8⅜"	7'-11⅞"	51'-8⅜"	7'-11⅞"	55'-8¼"	155'-1"
6	47'-8⅜"	7'-11⅞"	51'-8⅜"	7'-11⅞"	55'-8¼"	155'-1"
7	47'-8⅜"	7'-11⅞"	51'-8⅜"	7'-11⅞"	55'-8¼"	155'-1"
8	47'-8⅜"	7'-11⅞"	51'-8⅜"	7'-11⅞"	55'-8¼"	155'-1"
9	47'-10⅛"	8'-1"	51'-2¼"	8'-4"	55'-3⅛"	154'-3½"
10	55'-7⅝"	----	50'-10⅝"	----	46'-11¾"	153'-6"

DIAPHRAGM LENGTH "Y"

BETWEEN GIRDERS	SOUTH DIAPHRAGM	NORTH DIAPHRAGM
1 & 2	6'-6½"	6'-7"
2 & 3	6'-3"	6'-3"
3 & 4	6'-3"	6'-3"
4 & 5	6'-3"	6'-3"
5 & 6	6'-3"	6'-3"
6 & 7	6'-3"	6'-3"
7 & 8	6'-3"	6'-3"
8 & 9	6'-4⅛"	6'-6¾"
9 & 10	6'-4½"	6'-6¾"

(DIMENSIONS ARE ℄ TO ℄ OF GIRDER)

GIRDER ANGLES

GIRDER	"AA"
1	37°59'34"
2-8	38°02'35"
9	38°16'37"
10	38°30'42"

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

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SUPERSTRUCTURE GIRDER LAYOUT

SHEET 22 OF 38
506

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TOP OF DECK ELEVATIONS

	℄ BRG. S. Abut	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	℄ BRG. N. Abut
WEST EDGE OF DECK	904.64	904.55	904.45	904.35	904.25	904.15	904.05	903.94	903.83	903.73	903.62
FACE OF PARAPET	904.65	904.56	904.46	904.36	904.26	904.16	904.06	903.95	903.85	903.74	903.63
Girder 1	904.71	904.61	904.51	904.41	904.31	904.21	904.11	904.01	903.91	903.81	903.71
GIRDER 2	904.95	904.87	904.77	904.67	904.57	904.47	904.37	904.27	904.17	904.07	903.97
REF. LINE I-39/90 NB	905.13	905.03	904.94	904.84	904.75	904.65	904.55	904.44	904.34	904.23	904.13
GIRDER 3	905.22	905.12	905.02	904.92	904.82	904.72	904.63	904.53	904.43	904.33	904.20
GIRDER 4	905.47	905.37	905.27	905.17	905.07	904.98	904.88	904.78	904.68	904.58	904.48
GIRDER 5	905.72	905.62	905.52	905.42	905.33	905.23	905.13	905.03	904.93	904.83	904.71
GIRDER 6	905.96	905.87	905.77	905.67	905.58	905.48	905.38	905.28	905.18	905.08	904.99
GIRDER 7	906.21	906.12	906.02	905.92	905.83	905.73	905.63	905.53	905.43	905.34	905.24
GIRDER 8	906.46	906.37	906.27	906.17	906.08	905.98	905.88	905.78	905.69	905.59	905.52
GIRDER 9	906.71	906.61	906.52	906.42	906.33	906.24	906.14	906.05	905.95	905.86	905.76
GIRDER 10	906.95	906.86	906.77	906.68	906.58	906.49	906.40	906.31	906.22	906.12	906.03
FACE OF PARAPET	907.01	906.92	906.83	906.75	906.66	906.56	906.47	906.38	906.28	906.18	906.08
WEST EDGE OF DECK	907.02	906.93	906.84	906.76	906.67	906.58	906.48	906.39	906.29	906.20	906.10

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

DRAWN BY CJM | PLANS CK'D. AEB

TOP OF DECK ELEVATIONS

SHEET 23 OF 38
507

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STATE PROJECT NUMBER

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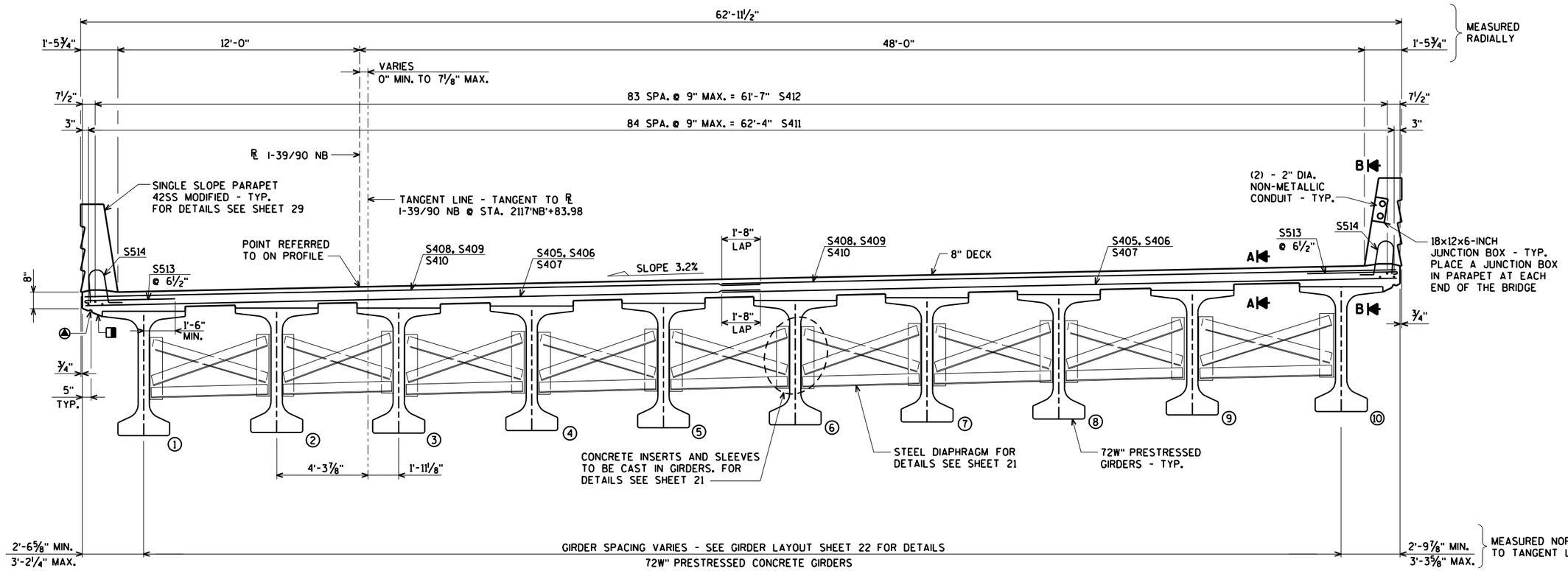
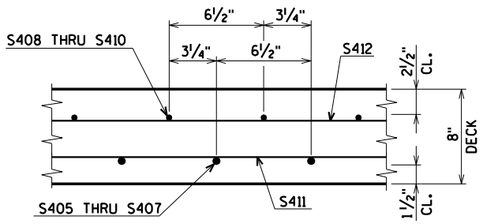


CROSS SECTION THRU DECK

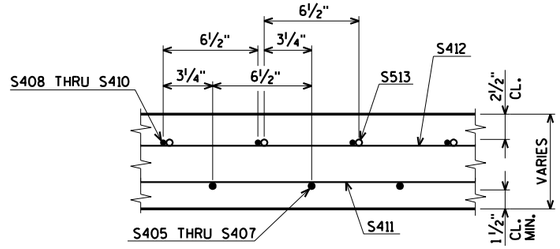
(LOOKING NORTH)

▲ ¾" V - GROOVE. TERMINATE 2'-0" FROM FRONT FACE OF ABUTMENTS - TYP.

◨ SLOPE BOTTOM OF SLAB AT EXTERIOR GIRDER TO MATCH THE SLOPE OF THE BOTTOM OF TOP FLANGE - TYP.



SECTION A



SECTION B

NO.	DATE	REVISION	BY

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DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

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SUPERSTRUCTURE

SHEET 24 OF 38
508

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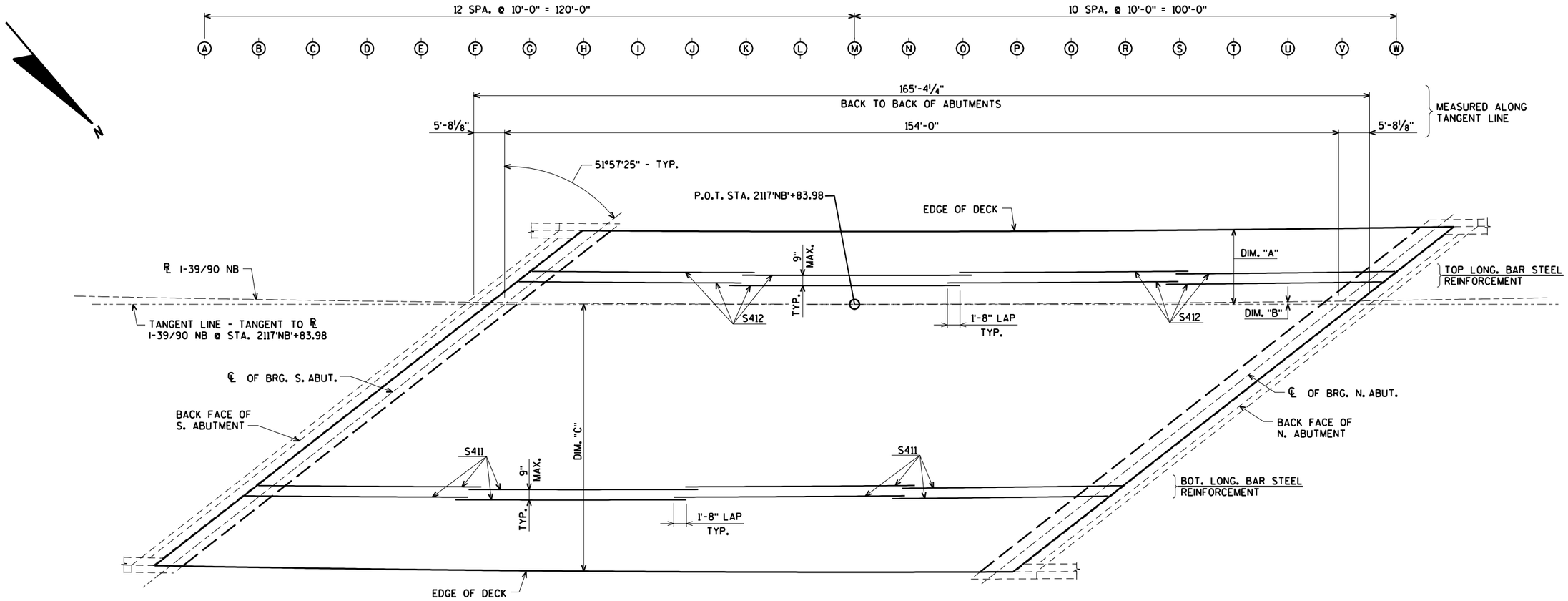

LONGITUDINAL BAR STEEL LAYOUT

NOTES:

DIM. "A" IS MEASURED FROM WEST EDGE OF DECK TO TANGENT LINE.

DIM. "B" IS MEASURED FROM ℄ I-39/90 NB TO TANGENT LINE.

DIM. "C" IS MEASURED FROM TANGENT LINE TO EAST EDGE OF DECK.

EDGE OF DECK OFFSETS

	A	B	C	D	E	F	G	H	I	J	K
DIM. "A"	------	------	------	------	------	------	------	13'-7⅛"	13'-6⅜"	13'-5¾"	13'-5⅜"
DIM. "B"	------	------	------	------	------	------	3⅛"	2⅛"	1⅜"	0¾"	0⅜"
DIM. "C"	48'-4½"	48'-6½"	48'-8⅜"	48'-10"	48'-11½"	49'-0½"	49'-1⅛"	49'-2⅛"	49'-3⅜"	49'-4¼"	49'-4⅝"

	L	M	N	O	P	Q	R	S	T	U	V	W
DIM. "A"	13'-5⅛"	13'-5"	13'-5⅛"	13'-5⅜"	13'-5¾"	13'-6⅜"	13'-7⅛"	13'-8⅛"	13'-9¼"	13-10⅝"	14'-0⅛"	14'-1¾"
DIM. "B"	0⅛"	0"	0⅛"	0⅜"	0¾"	1⅜"	2⅛"	3⅛"	4¼"	5⅝"	7⅛"	------
DIM. "C"	49'-4⅞"	49'-5"	49'-4⅞"	49'-4⅝"	------	------	------	------	------	------	------	------

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STATE OF WISCONSIN
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STRUCTURE B-13-717

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LONGITUDINAL SLAB STEEL LAYOUT

SHEET 25 OF 38
509

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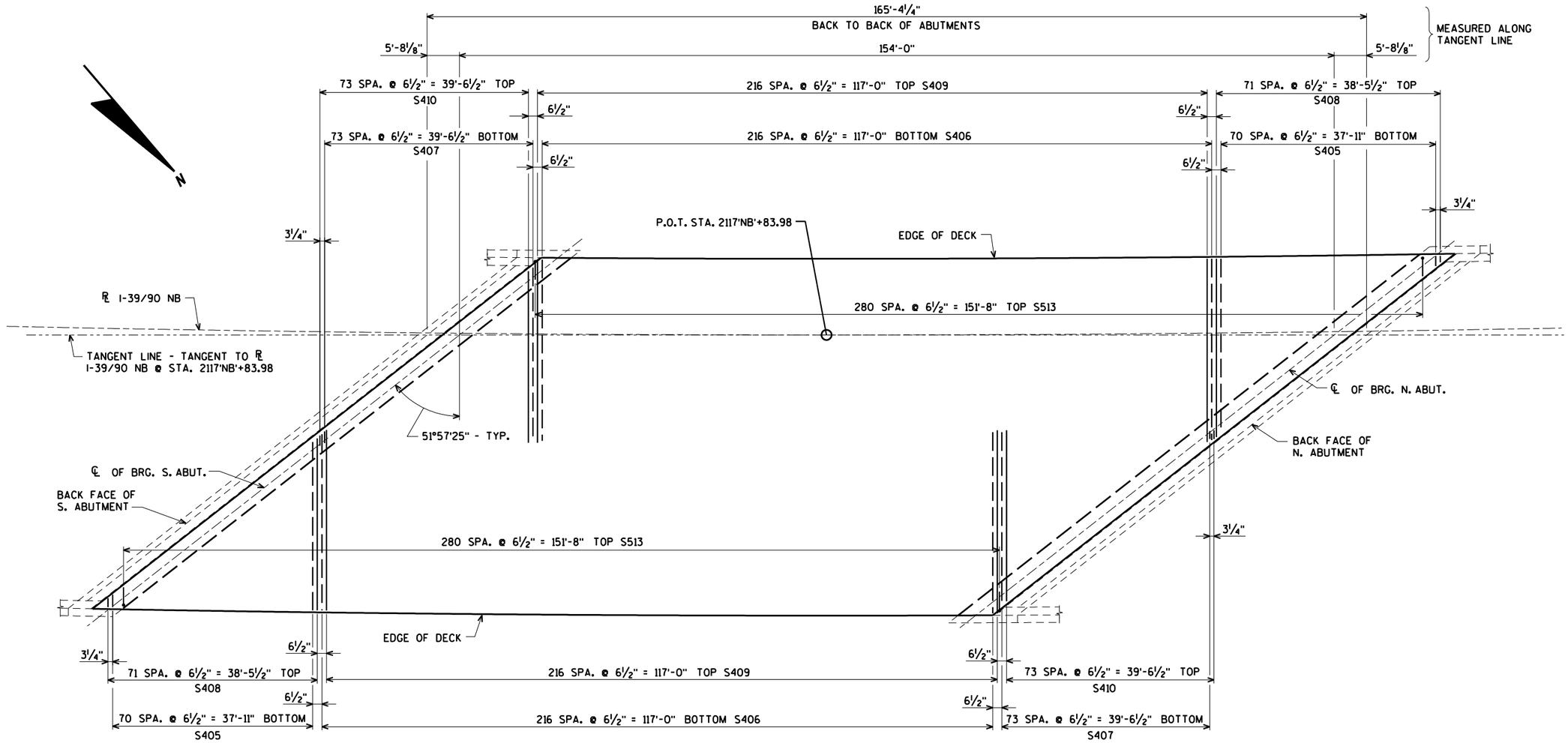

TRANSVERSE BAR STEEL LAYOUT

NO.	DATE	REVISION	BY

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TRANSVERSE SLAB STEEL LAYOUT

SHEET 26 OF 38
510

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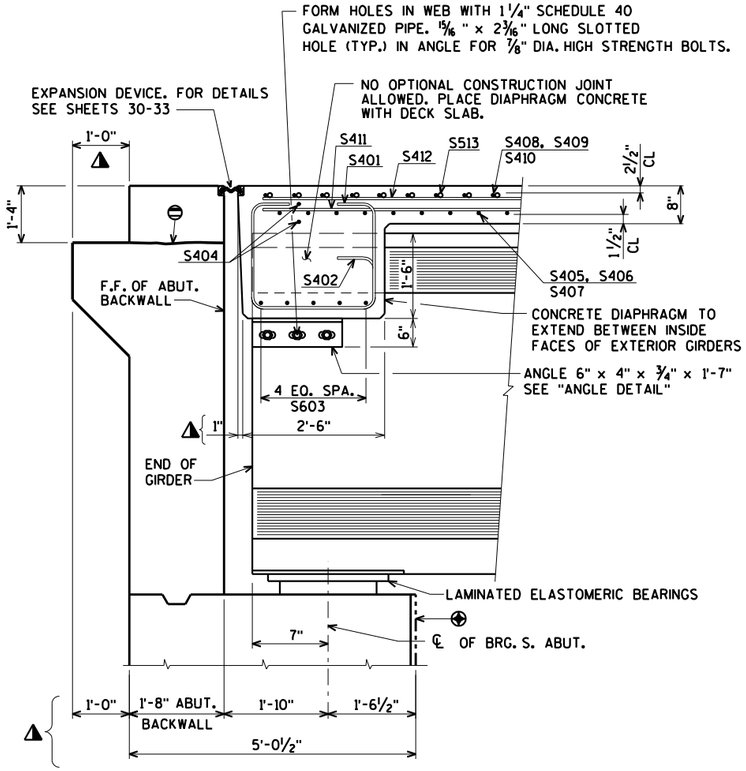
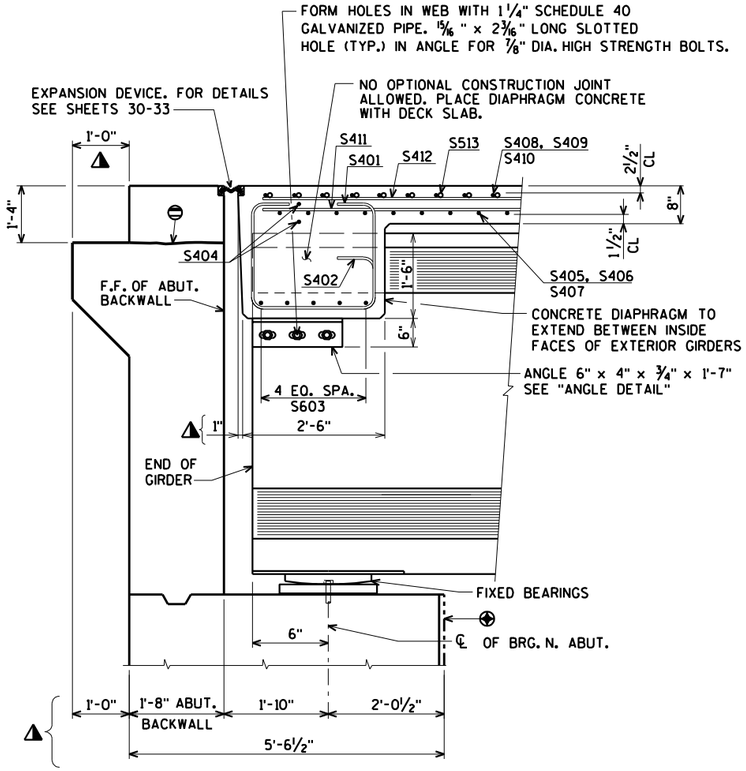
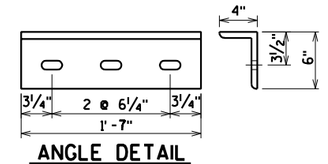


PART LONGIT. SECTION
SOUTH ABUTMENT



PART LONGIT. SECTION
NORTH ABUTMENT



ANGLE DETAIL
6" X 4" X ¾" X 1'-7"

PROVIDE 3½" x 3½" x 5/16" PLATE WASHERS AT ALL LOCATIONS EXCEPT AT EXTERIOR FACES OF EXTERIOR GIRDERS WHERE 3½" x 3½" x ½" PLATE WASHERS SHALL BE PROVIDED.

DIAPHRAGM SUPPORT ANGLES SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM SUPPORT HARDWARE INCLUDING BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED AFTER FACRICATION.

STEEL DIAPHRAGM SUPPORT ANGLE TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OF ASTM A449.

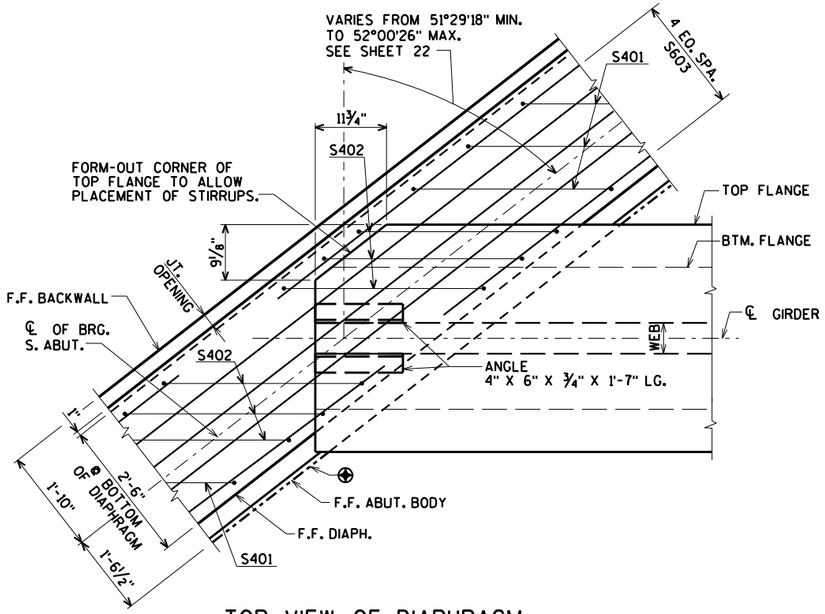
ALL DIAPHRAM SUPPORT HARDWARE SHALL BE INCLUDED IN "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".

⊖ CONST. JOINT - STRIKE OFF AND LEAVE ROUGH.

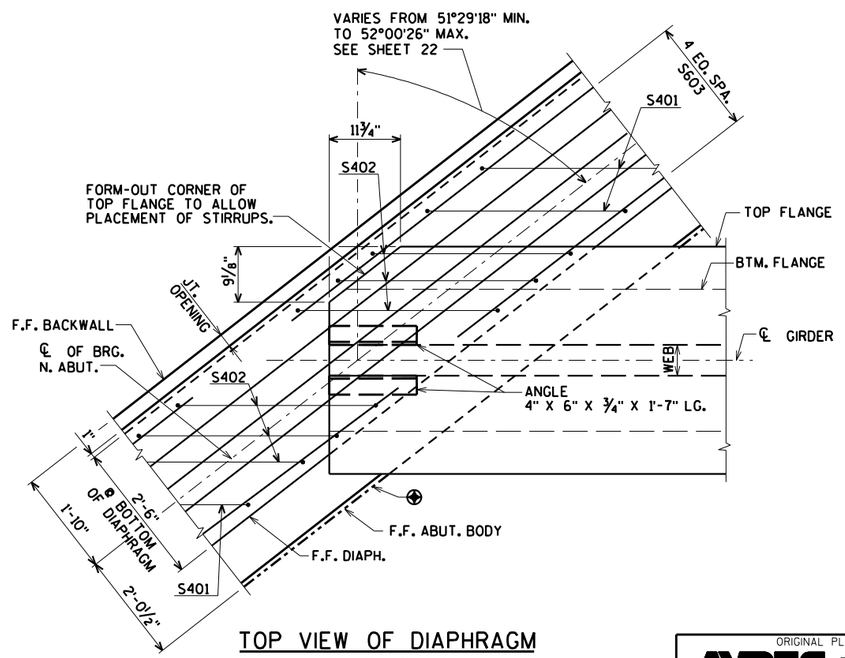
⚠ DIMENSIONS MEASURED NORMAL TO ℄ OF SUBSTRUCTURE UNIT.

⊕ RUSTICATIONS. FOR DETAILS SEE SHEET 15

F.F. DENOTES FRONT FACE



TOP VIEW OF DIAPHRAGM
SOUTH ABUTMENT



TOP VIEW OF DIAPHRAGM
NORTH ABUTMENT

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STRUCTURE B-13-717

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SUPERSTRUCTURE DETAILS

SHEET 27 OF 38
511

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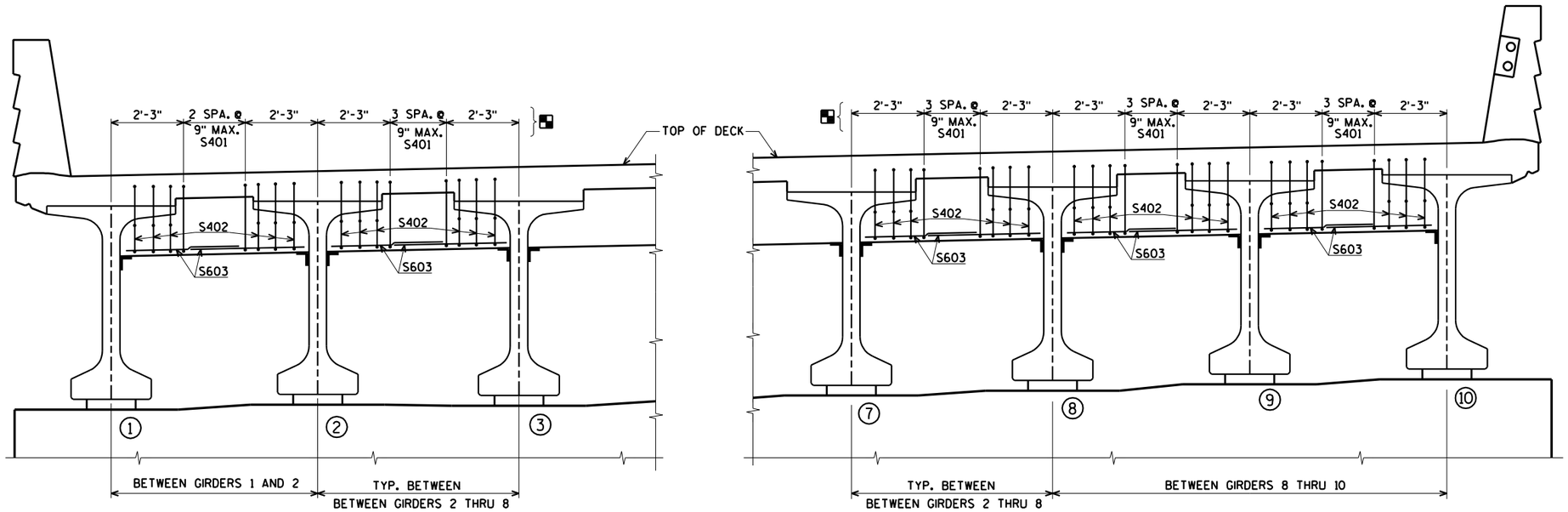
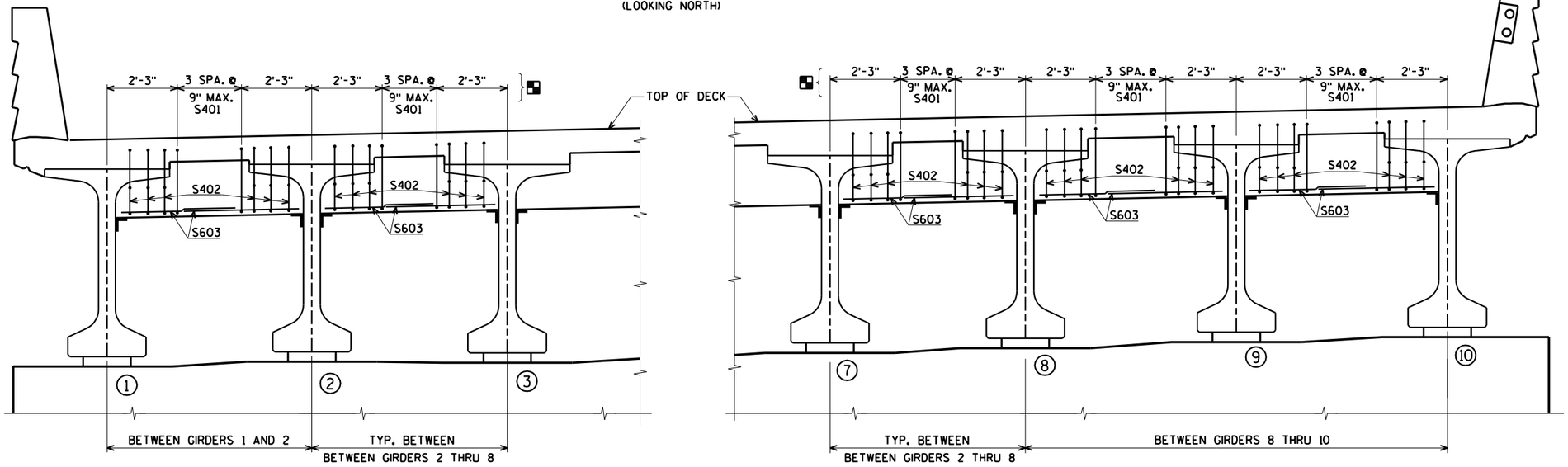


TRANSVERSE SECTION AT SOUTH ABUTMENT DIAPHRAGM

(LOOKING NORTH)



TRANSVERSE SECTION AT NORTH ABUTMENT DIAPHRAGM

(LOOKING NORTH)

DIMENSIONS MEASURED NORMAL TO GIRDERS

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DIAPHRAGM DETAILS

SHEET 28 OF 38
512

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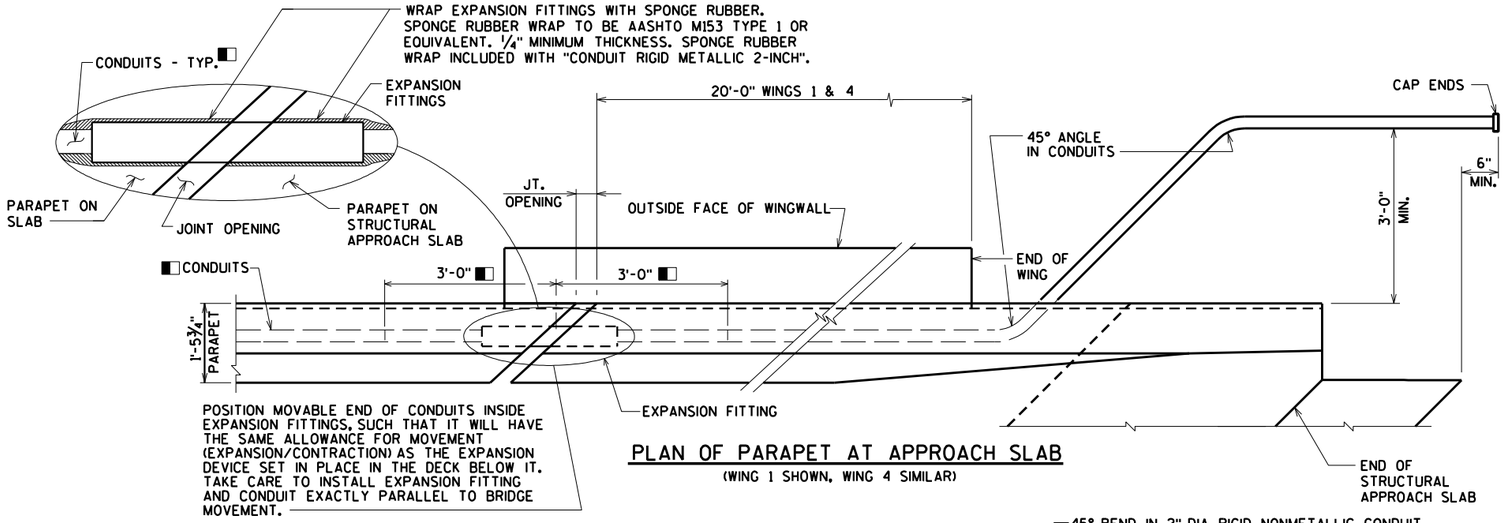
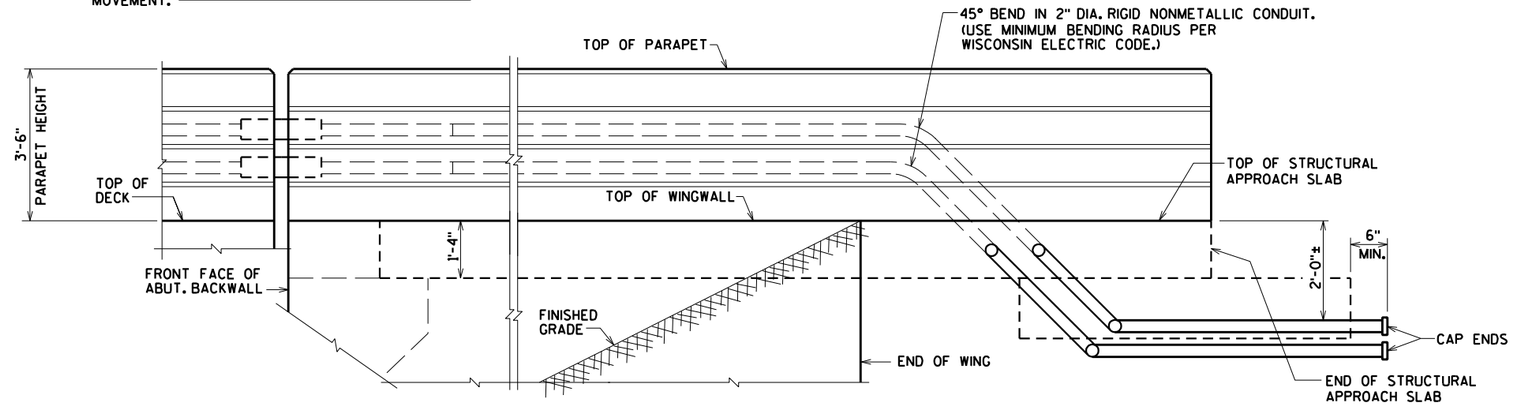


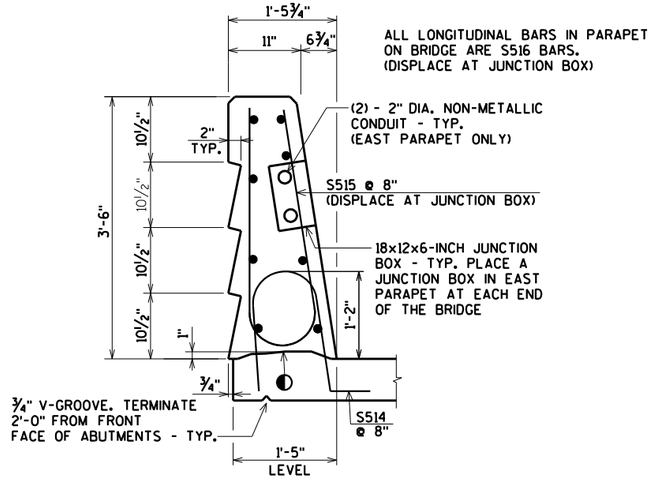
PLAN OF PARAPET AT APPROACH SLAB

(WING 1 SHOWN, WING 4 SIMILAR)



OUTSIDE ELEVATION OF PARAPET AT APPROACH SLAB

(WING 4 SHOWN, WING 1 SIMILAR)



SECTION THRU PARAPET ON BRIDGE

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

NOTES

BID ITEMS SHALL BE:
"JUNCTION BOXES 18X12X6-INCH", EACH.
"CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH"
"CONDUIT RIGID METALLIC 2-INCH"

APPROVED MANUFACTURERS - JUNCTION BOXES:
SEE APPROVED MATERIAL LIST.

APPROVED MANUFACTURER OR EQUIVALENT - EXPANSION FITTING:
AX-DX FLEXIBLE CONDUIT
COUPLING (4" TOTAL CONDUIT MOVEMENT).

EXPANSION FITTINGS, ANGLES AND ADAPTER FITTINGS TO BE INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".

WHEN CONNECTING NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS U.L. OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED.

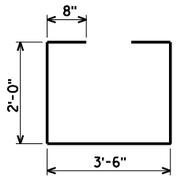
■ USE 2" DIA. RIGID NONMETALLIC CONDUIT EXCEPT AT EXPANSION FITTING. AT EXPANSION FITTING USE RIGID METALLIC CONDUIT 3'-0" INTO PARAPET ON DECK AND STRUCTURAL APPROACH SLAB SIDES OF THE JOINT OPENING.

BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR SERIES	57,820# COATED LOCATION
S401	X	71	8-6	X		DIAPH. @ ABUT. VERT.
S402	X	108	7-4	X		DIAPH. @ ABUT. VERT.
S603	X	180	6-3			DIAPH. @ ABUT. HORIZ. BOT.
S404	X	36	8-9			DIAPH. @ ABUT. HORIZ.
S405	X	142	16-8		⊗	SLAB TRANS. BOTTOM
S406	X	434	32-1			SLAB TRANS. BOTTOM
S407	X	148	16-6		⊗	SLAB TRANS. BOTTOM
S408	X	144	16-9		⊗	SLAB TRANS. TOP
S409	X	434	32-1			SLAB TRANS. TOP
S410	X	148	16-8		⊗	SLAB TRANS. TOP
S411	X	340	41-1			SLAB LONG. BOTTOM
S412	X	336	41-1			SLAB LONG. TOP
S513	X	562	5-2	X		SLAB TRANS. TOP @ PARAPET
S514	X	480	4-5	X		PARAPET VERT.
S515	X	480	6-8	X		PARAPET VERT.
S516	X	64	41-9			PARAPET HORIZ.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

⊗ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.



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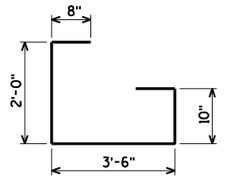

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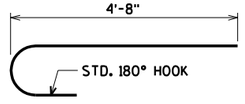

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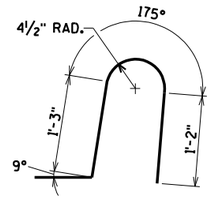

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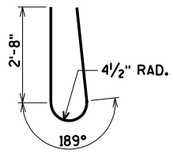

S515

BAR SERIES TABLE

BAR MARK	NO REQ'D.	LENGTH
S405	2 SERIES OF 71	1'-10" TO 31'-6"
S407	2 SERIES OF 74	1'-4" TO 31'-8"
S408	2 SERIES OF 72	1'-9" TO 31'-9"
S410	2 SERIES OF 74	1'-6" TO 31'-10"

BUNDLE AND TAG EACH SERIES SEPARATELY.

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STRUCTURE B-13-717

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SUPERSTRUCTURE BILL OF BARS

SHEET 29 OF 38
513

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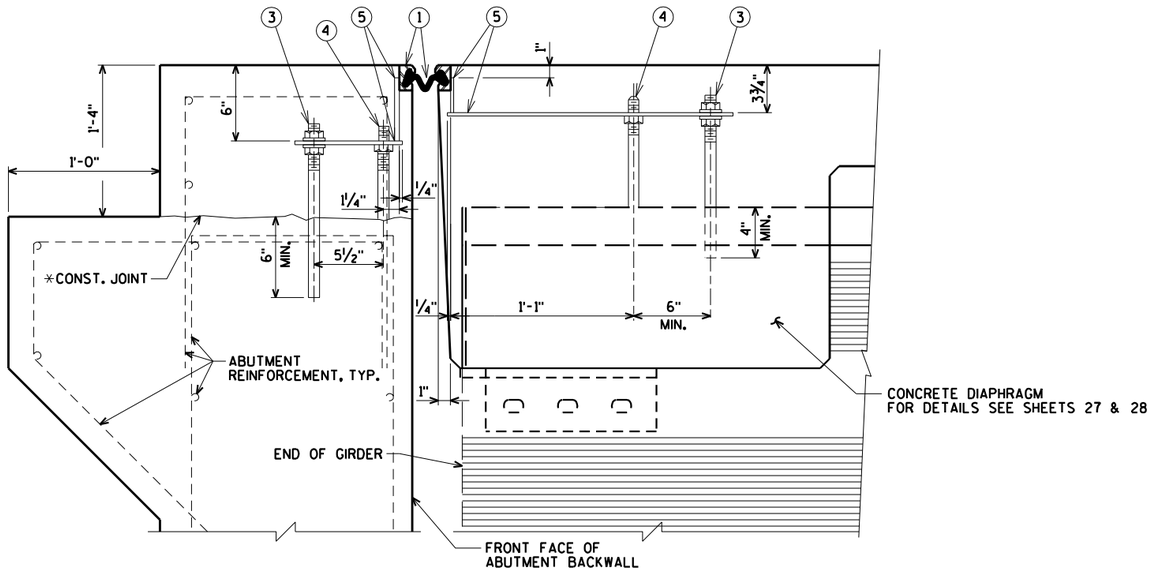
STATE PROJECT NUMBER

1007-11-71



* POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IS IN PLACE. STRIKE OFF AND LEAVE ROUGH.

SECTION THRU JOINT

(NORMAL TO ℄ ABUTMENT)

LEGEND

▲ (1) NEOPRENE STRIP SEAL (5 - INCH) & STEEL EXTRUSIONS. SET JOINT OPENING AT 1¾". JOINT OPENING GIVEN NORMAL TO JOINT.

(2) STUDS ⅝" DIA. X 6⅜" LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS & BEND AS SHOWN AFTER WELDING.

(2A) ½" THICK ANCHOR PLATE WITH ⅝" DIA. ROD (OR ALTERNATE STRIP SEAL ANCHOR). WELD ROD TO ANCHOR PLATE. WELD ANCHOR PLATE TO NO. 1 AT 1'-6" CENTERS BETWEEN GIRDERS.

(3) ¾" DIA. THREADED ROD WITH 2 NUTS AND PLATE WASHERS. GROUT THREADED ROD INTO FIELD DRILLED HOLES ON ℄ OF GIRDER AND ABUTMENT BACKWALL AS SHOWN.

(4) ¾" DIA. THREADED ROD WITH NUT. TACK WELD NUT TO NO. 5.

(5) FABRICATE SUPPORT FROM 3" X ½" BAR AS SHOWN OR EQUIVALENT, ONE PER GIRDER PER SIDE. FIELD OR SHOP WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1½" DIA. HOLE FOR NO. 3 & 1" DIA. HOLE FOR NO. 4.

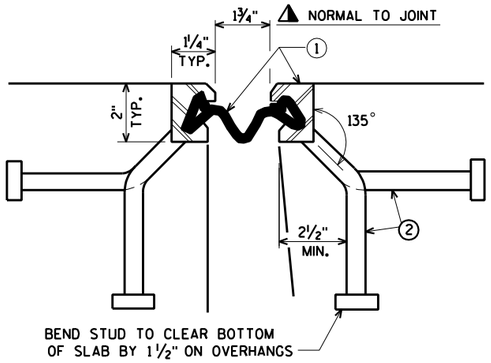
(6) GALVANIZED PLATE ⅜" x 10" x 3'-0" LONG WITH HOLES FOR #7.

(7) ¾" DIA. x 1½" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLES. RECESS 1/16" BELOW PLATE SURFACE.

(8) ¾" DIA. x 4" GALV. HEX HEAD BOLT. BEND 45°.

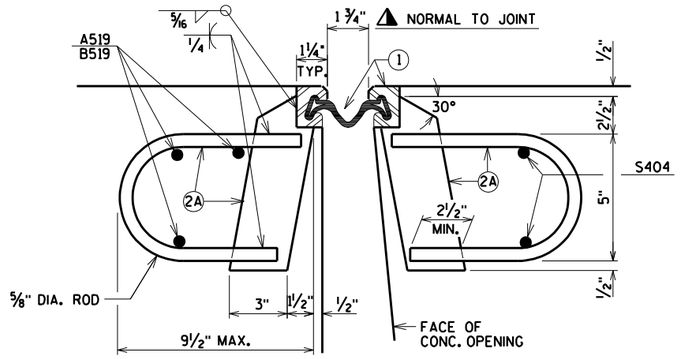
(9) ¾" DIA. x 2¼" GALV. THREADED COUPLING.

(11) 1" x 5" SLOTTED COUNTERSUNK. HOLE FOR NO. 7. PLACE SLOT PARALLEL TO DIRECTION OF MOVEMENT.



SECTION THRU JOINT

EXTERIOR GIRDER TO EDGE OF SLAB



AT PAVING BLOCK AT SLAB

SECTION THRU JOINT

ROADWAY TRAFFIC AREA BETWEEN EXTERIOR GIRDERS.

SYM. ABOUT ℄ OF JOINT UNLESS OTHERWISE SHOWN OR NOTED.

NOTES

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS UNLESS MORE ARE REQUIRED FOR HANDLING OR GALVANIZING REQUIREMENTS. IF USED, DETAILS SHALL BE SUBMITTED FOR APPROVAL. NO SPLICING PERMITTED IN NEOPRENE STRIP SEAL.

AFTER FABRICATION, BUT BEFORE SHIPMENT, STRAIGHTEN STEEL EXTRUSIONS SUCH THAT THEY SHALL BE FREE FROM WARP, TWIST & SWEEP.

FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN & SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES, SUPPORTS, & EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PLATES, SUPPORTS, & EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

STRIP SEAL EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS & HARDWARE WILL BE PAID FOR AT THE LUMP SUM PRICE BID FOR "EXPANSION DEVICE B-13-717".

ANCHOR SYSTEM NO. 8 & NO. 9 SHALL CONFORM TO ASTM A307 & SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C & D.

8

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WORK THIS SHEET WITH SHEETS 31 TO 33.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURE B-13-717

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EXPANSION DEVICE

SHEET 30 OF 38
514

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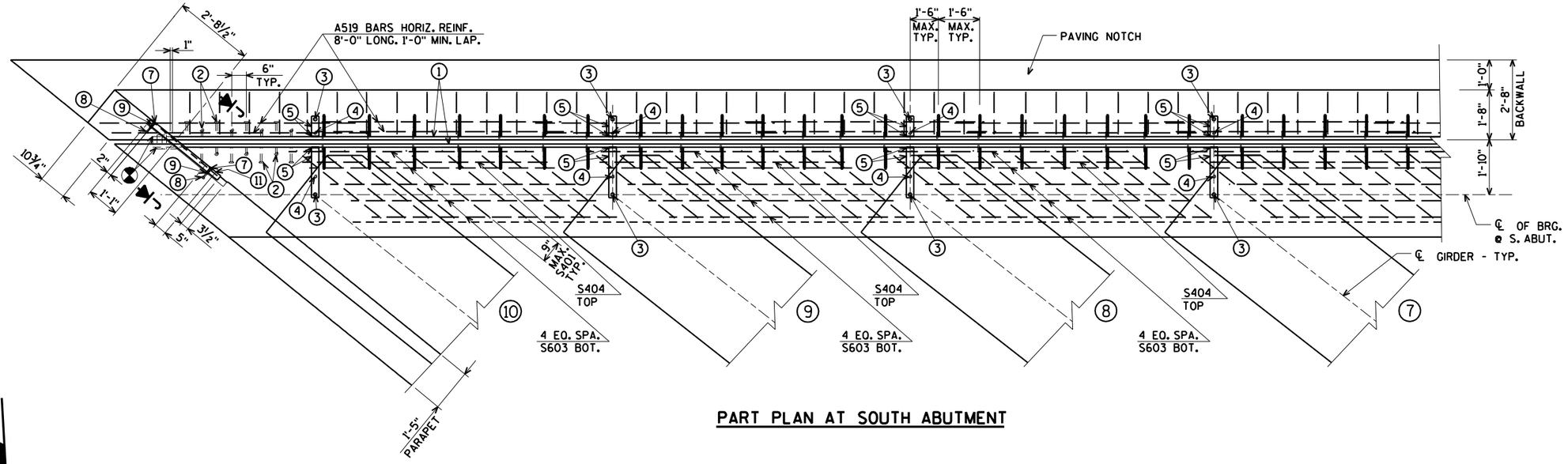
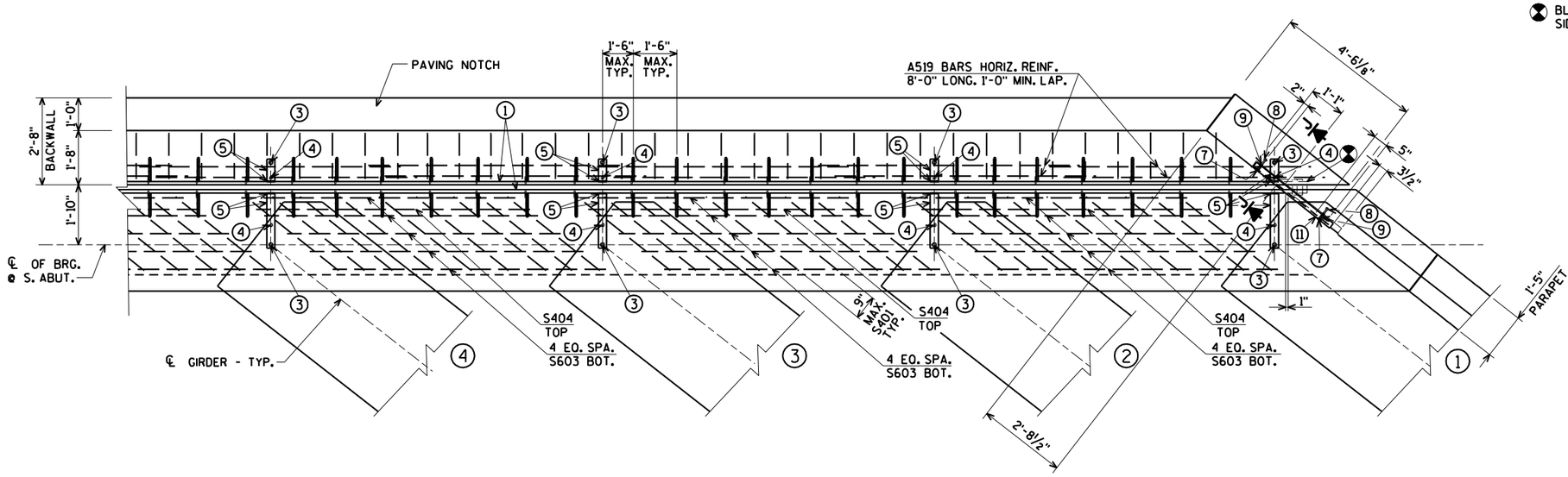


PART PLAN AT SOUTH ABUTMENT

N

BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.



PART PLAN AT SOUTH ABUTMENT

WORK THIS SHEET WITH SHEET 30 AND SHEETS 32 TO 33.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

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EXPANSION DEVICE AT SOUTH ABUTMENT

SHEET 31 OF 38
515

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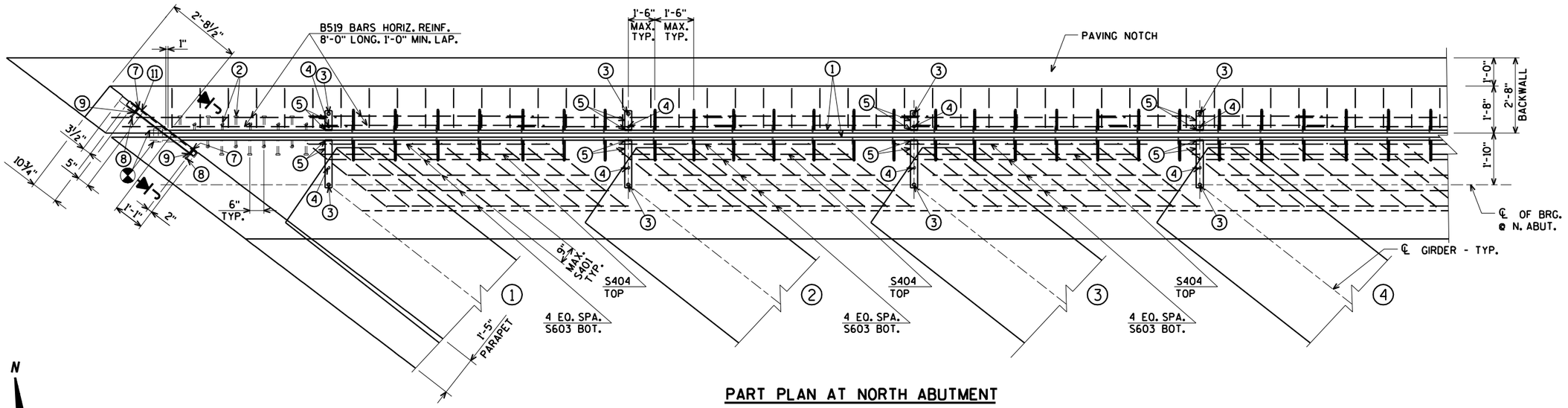

PART PLAN AT NORTH ABUTMENT

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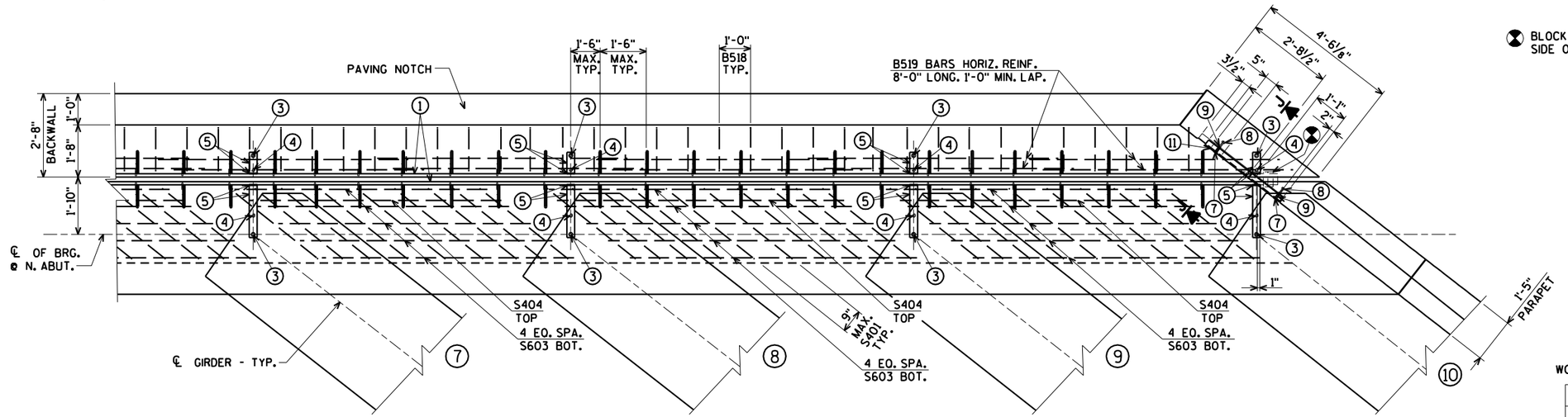

PART PLAN AT NORTH ABUTMENT

WORK THIS SHEET WITH SHEETS 30 TO 31 AND 33.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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EXPANSION DEVICE AT NORTH ABUTMENT

SHEET 32 OF 38
516

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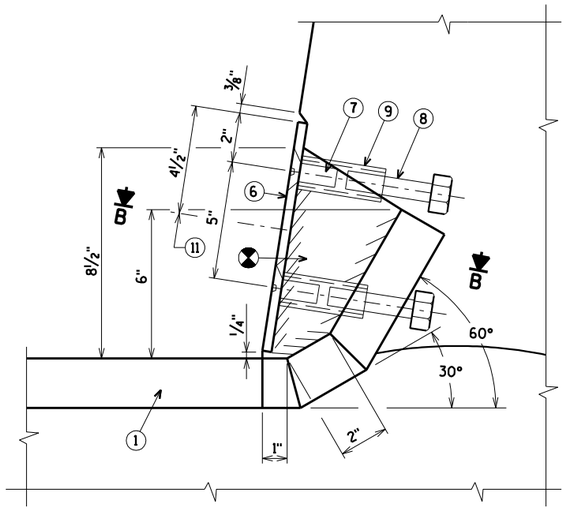
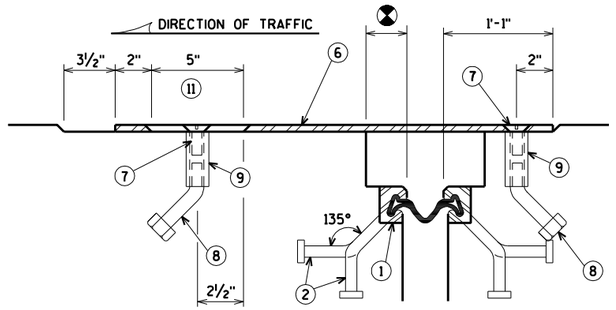
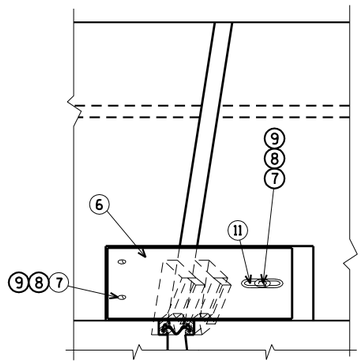


SECTION J

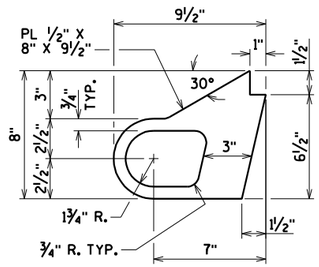


SECTION B
(EAST PARAPET SHOWN, WEST PARAPET SIMILAR)

BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING



VIEW OF PARAPET PLATE FROM ROADWAY
(WEST PARAPET SHOWN, EAST PARAPET SIMILAR)



ALTERNATE STRIP SEAL ANCHOR

8

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WORK THIS SHEET WITH SHEETS 30 TO 32.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURE B-13-717

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EXPANSION DEVICE DETAILS

SHEET 33 OF 38
517

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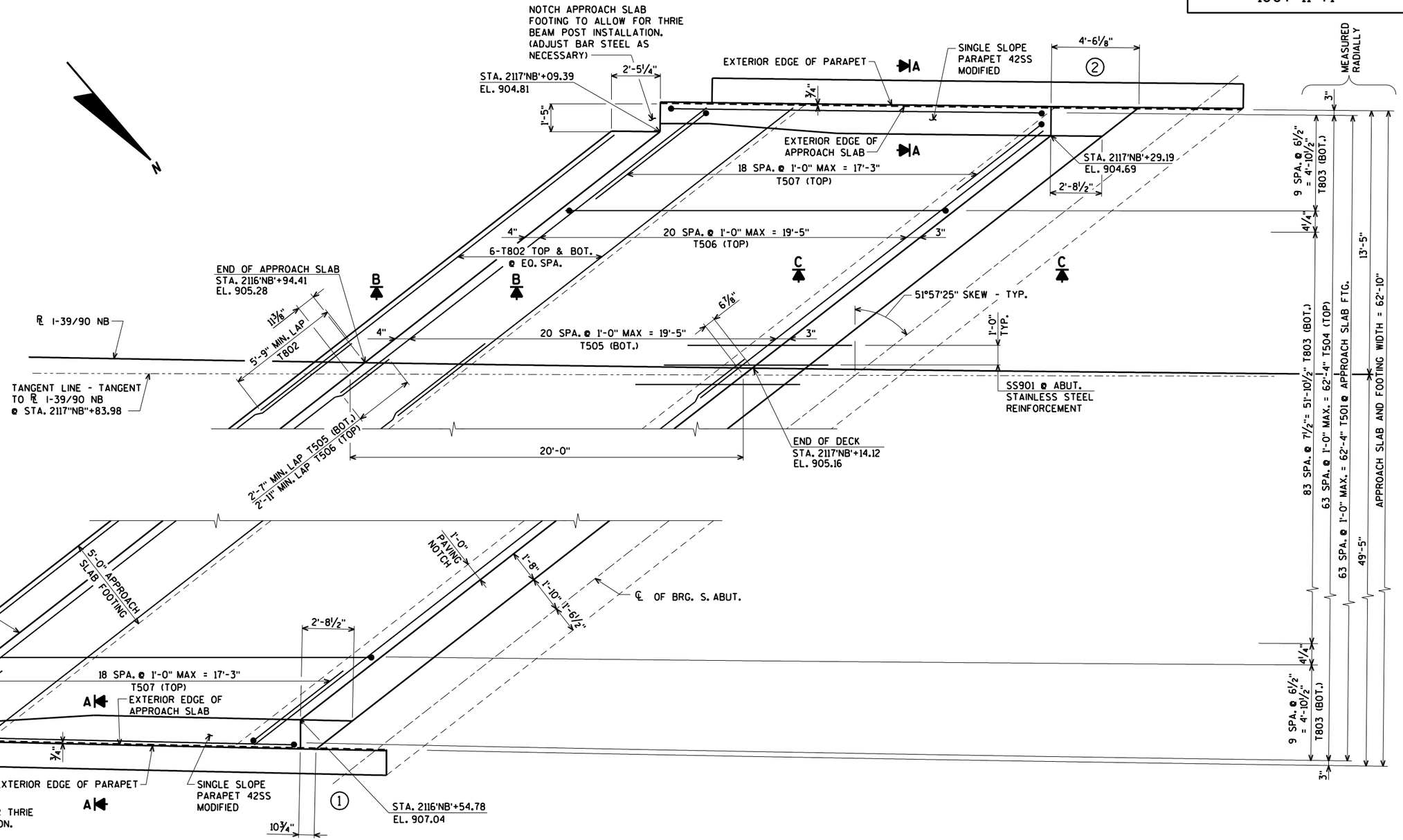

SOUTH APPROACH SLAB PLAN

FOR DETAILS OF SECTIONS A, B, AND C, SEE SHEET 36

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURE B-13-717

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SOUTH STRUCTURAL APPROACH SLAB

SHEET 34 OF 38
518

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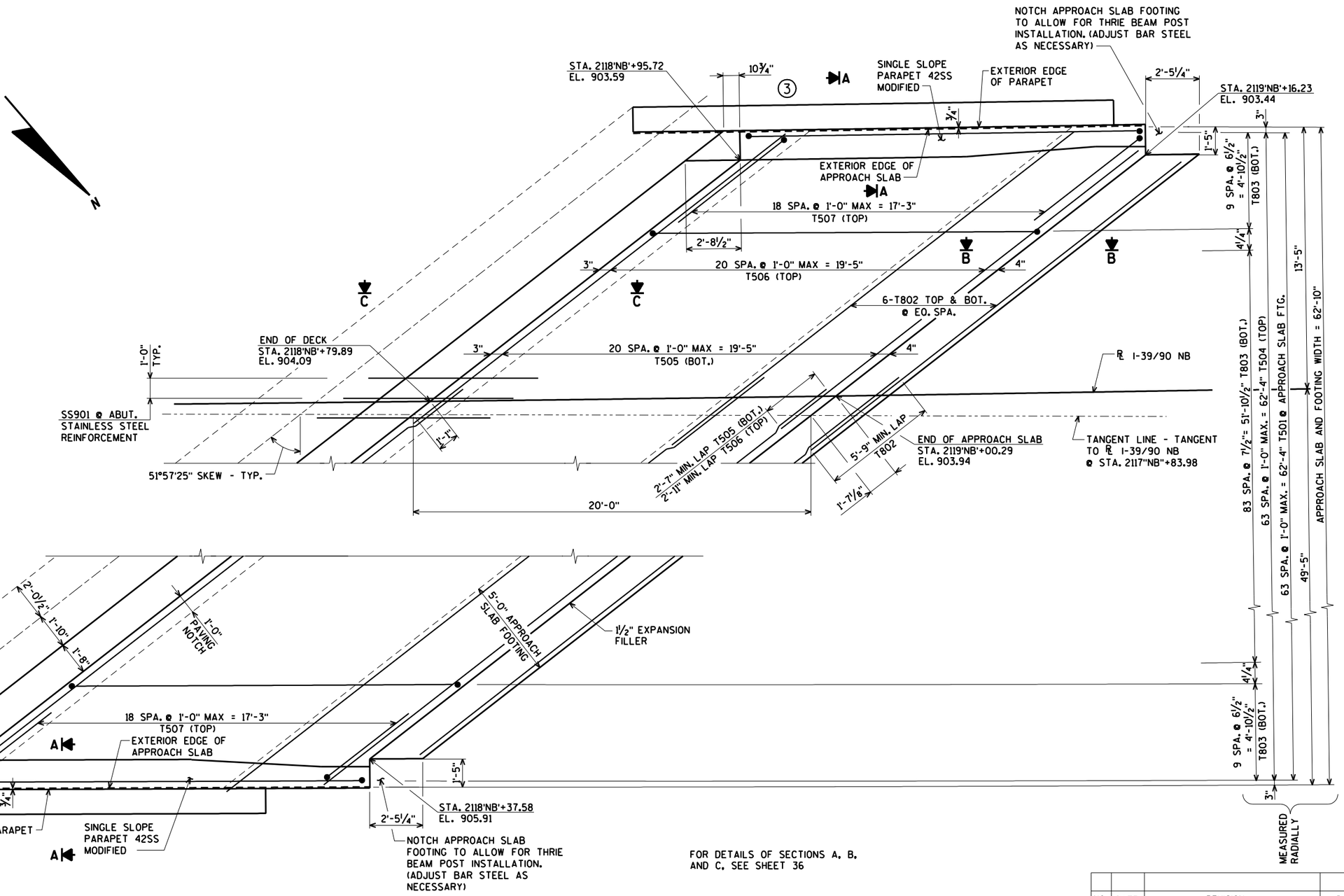

NORTH APPROACH SLAB PLAN

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NORTH STRUCTURAL APPROACH SLAB

SHEET 35 OF 38
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4/4/2017

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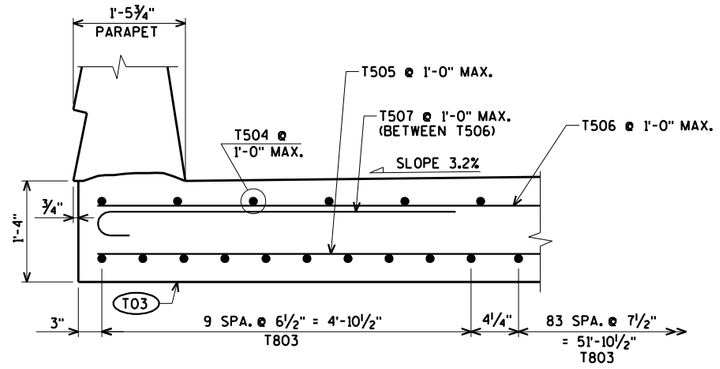


SECTION A

(WEST PARAPET SHOWN, EAST PARAPET SIMILAR)

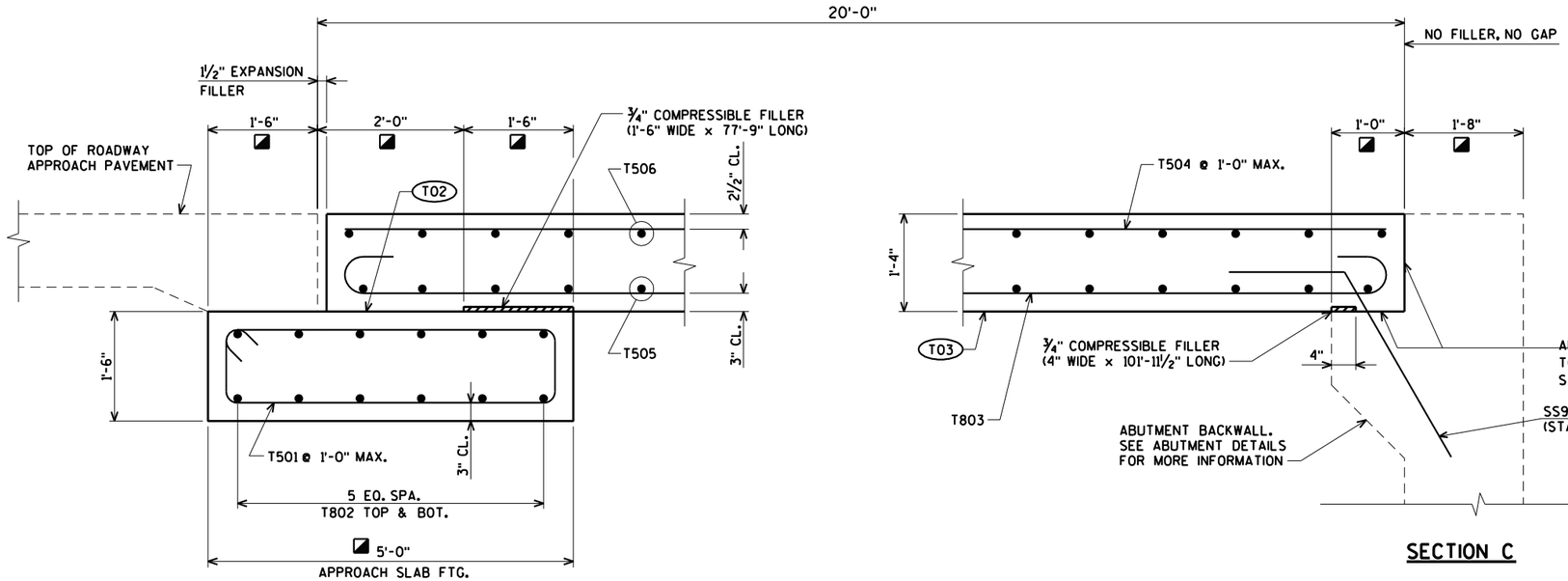
FOR LOCATIONS OF SECTIONS A, B, AND C, SEE SHEETS 34 & 35

BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR SERIES	1.070# STAINLESS STEEL (PER APPROACH SLAB) LOCATION
SS901		63	5-0	X		CONC. ABUT. BACKWALL TO APPROACH SLAB

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR SERIES	16,570# COATED (PER APPROACH SLAB) LOCATION
T501	X	64	17-10	X		APPROACH SLAB FTG. - STIRRUP
T802	X	24	53-7			APPROACH SLAB FTG. - TRANS.
T803	X	104	21-4	X		APPROACH SLAB - LONG. - BOT.
T504	X	64	19-6			APPROACH SLAB - LONG - TOP
T505	X	42	52-0			APPROACH SLAB - TRANS. - BOT.
T506	X	42	52-2			APPROACH SLAB - TRANS. - TOP
T507	X	38	4-1	X		APPROACH SLAB - TRANS. - TOP

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.



SECTION B

SECTION C

SECTION THRU APPROACH SLAB

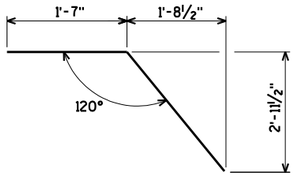
◪ MEASURED NORMAL TO ABUTMENT

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

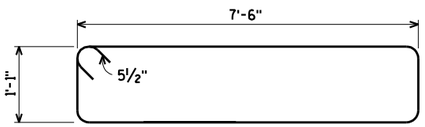
(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE.

POLYETHYLENE SHEETS ARE INCLUDED WITH "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".

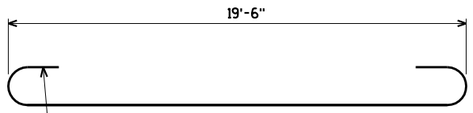
ALL STRUCTURAL APPROACH SLAB CONCRETE, EXCEPT THE APPROACH SLAB FOOTING CONCRETE, PAID FOR UNDER "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".



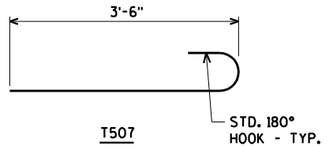
SS901



T501



T803



T507

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

DRAWN BY CLS | PLANS CK'D. CBM

STRUCTURAL APPROACH SLAB DETAILS

SHEET 36 OF 38
520

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 over Drotning Road\B-13-717\B-13-717 app slab.dgn

$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 over Drotning Road\B-13-717\B-13-717 par.dgn

STATE PROJECT NUMBER

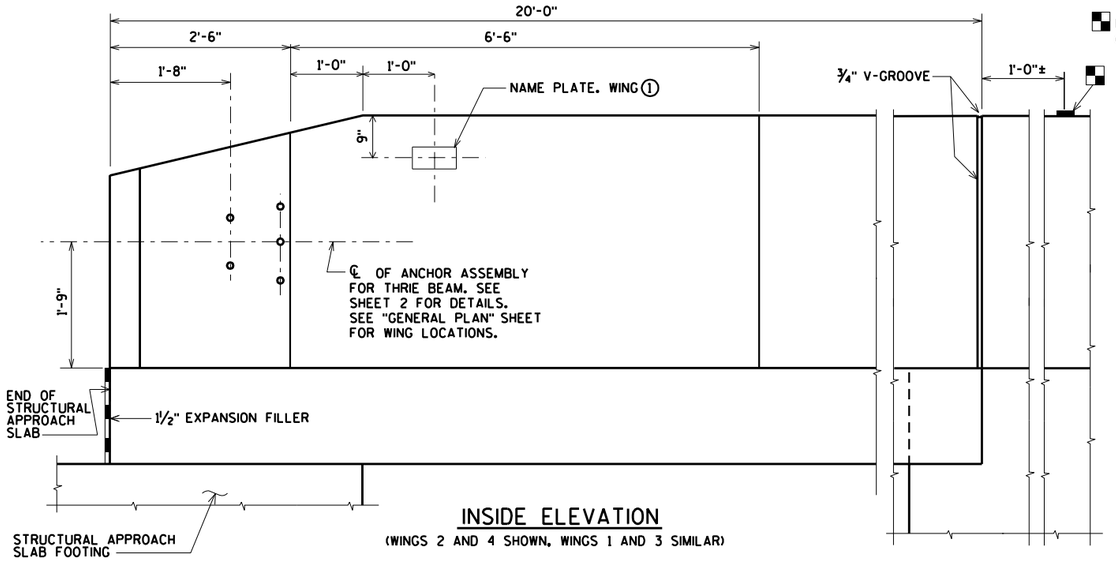
1007-11-71

1,430# COATED SOUTH STRUCTURAL APPROACH SLAB
1,430# COATED NORTH STRUCTURAL APPROACH SLAB

BILL OF BARS

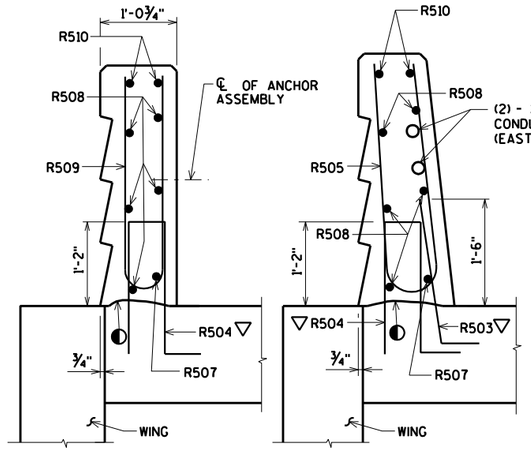
FOR STRUCTURAL APPROACH SLAB PARAPETS

BAR MARK	COAT	SOUTH STRUCT. APPR. SLAB	NORTH STRUCT. APPR. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	45	45	4-5	X		PARAPET VERT.
R502	X	45	45	6-8	X		PARAPET VERT.
R503	X	22	22	2-9	X		PARAPET VERT.
R504	X	34	34	5-4	X		PARAPET VERT.
R505	X	10	10	6-5	X		PARAPET VERT.
R506	X	12	12	6-6	X		PARAPET VERT.
R507	X	2	2	13-3	X		PARAPET HORIZ.
R508	X	26	26	13-3			PARAPET HORIZ.
R509	X	12	12	5-5	X	⚠	PARAPET VERT.
R510	X	4	4	13-3	X		PARAPET HORIZ

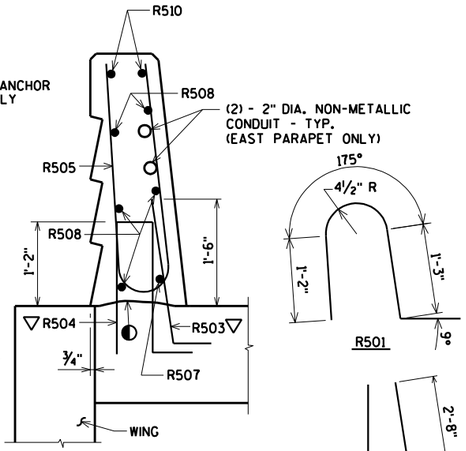


INSIDE ELEVATION

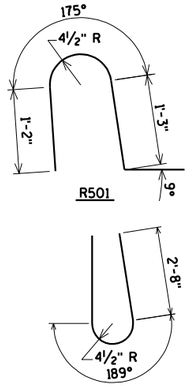
(WINGS 2 AND 4 SHOWN, WINGS 1 AND 3 SIMILAR)

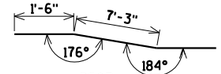


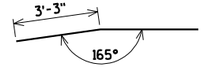
SECTION A

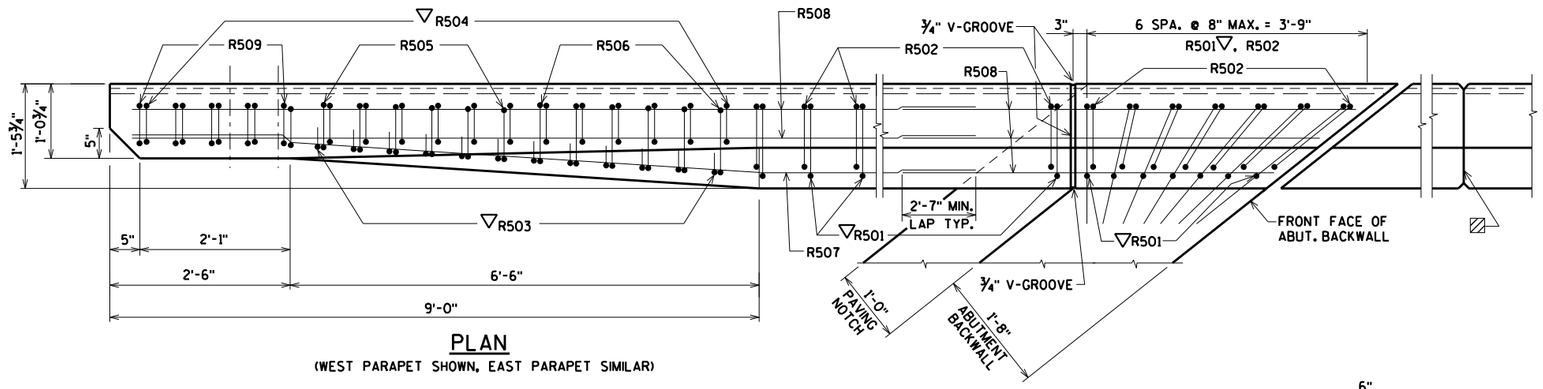


SECTION B



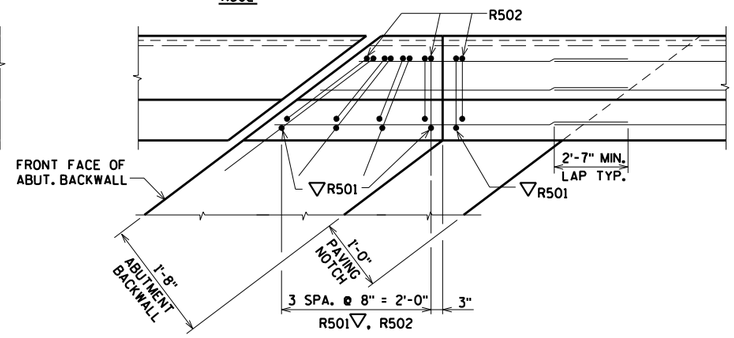


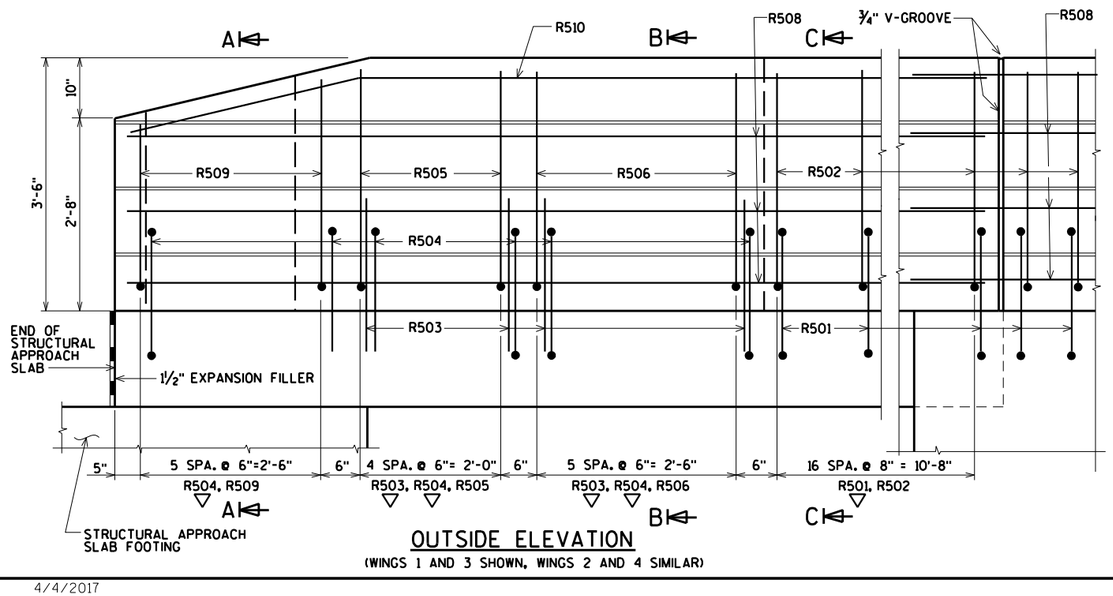




PLAN

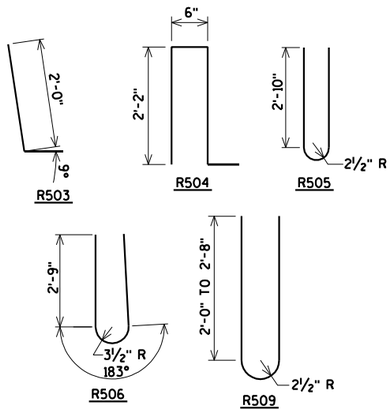
(WEST PARAPET SHOWN, EAST PARAPET SIMILAR)





OUTSIDE ELEVATION

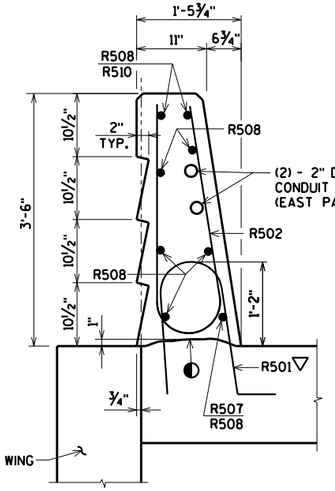
(WINGS 1 AND 3 SHOWN, WINGS 2 AND 4 SIMILAR)



◐ CONST. JOINT - STRIKE OFF AS SHOWN.

▽ R501, R503 AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL AND ABUTMENT STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.



SECTION C

▨ OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" V - GROOVE. (SEE SHEET 29 FOR SECTION THRU PARAPET ON BRIDGE.)

BAR SERIES TABLE

BAR MARK	NO REQ'D.	LENGTH
R509	2 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

DRAWN BY CLS | PLANS CK'D. CBM

SINGLE SLOPE PARAPET MODIFIED 42SS

SHEET 37 OF 38
521

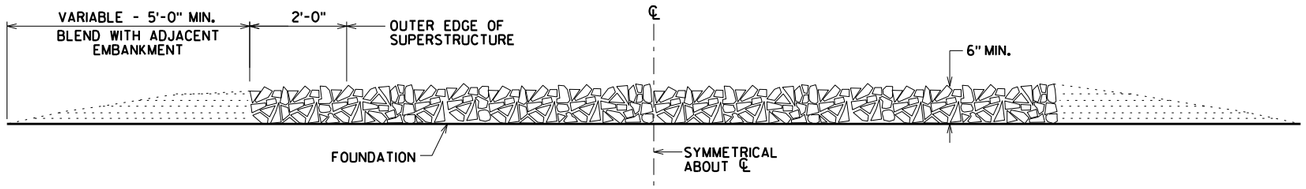
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

8

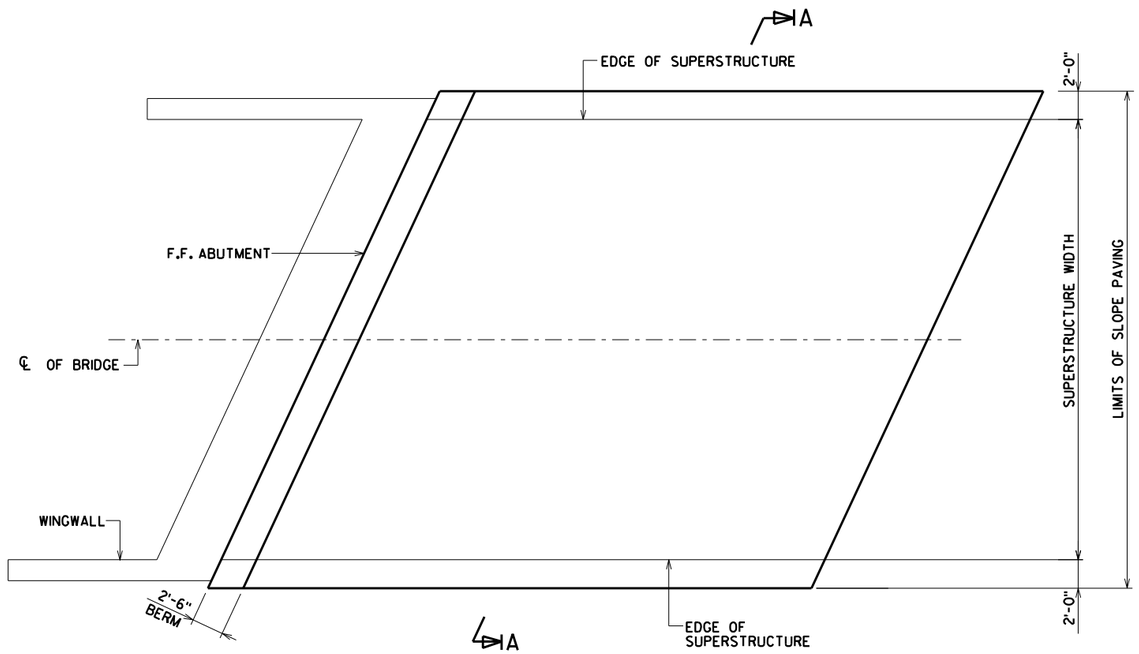
8

$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 over Drotning Road\B-13-717\B-13-717 sIPAV.dgn

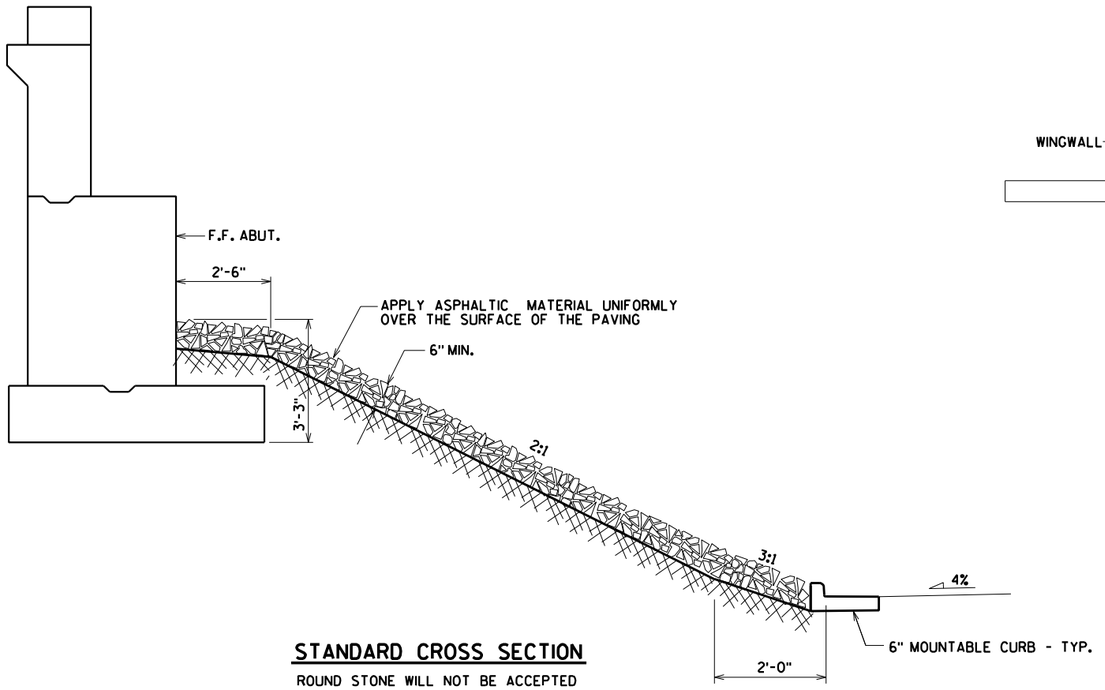
STATE PROJECT NUMBER
1007-11-71



SECTION A-A



PLAN



STANDARD CROSS SECTION

ROUND STONE WILL NOT BE ACCEPTED

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.

F.F. DENOTES FRONT FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-717

DRAWN BY	CLS	PLANS CK'D.	CBM

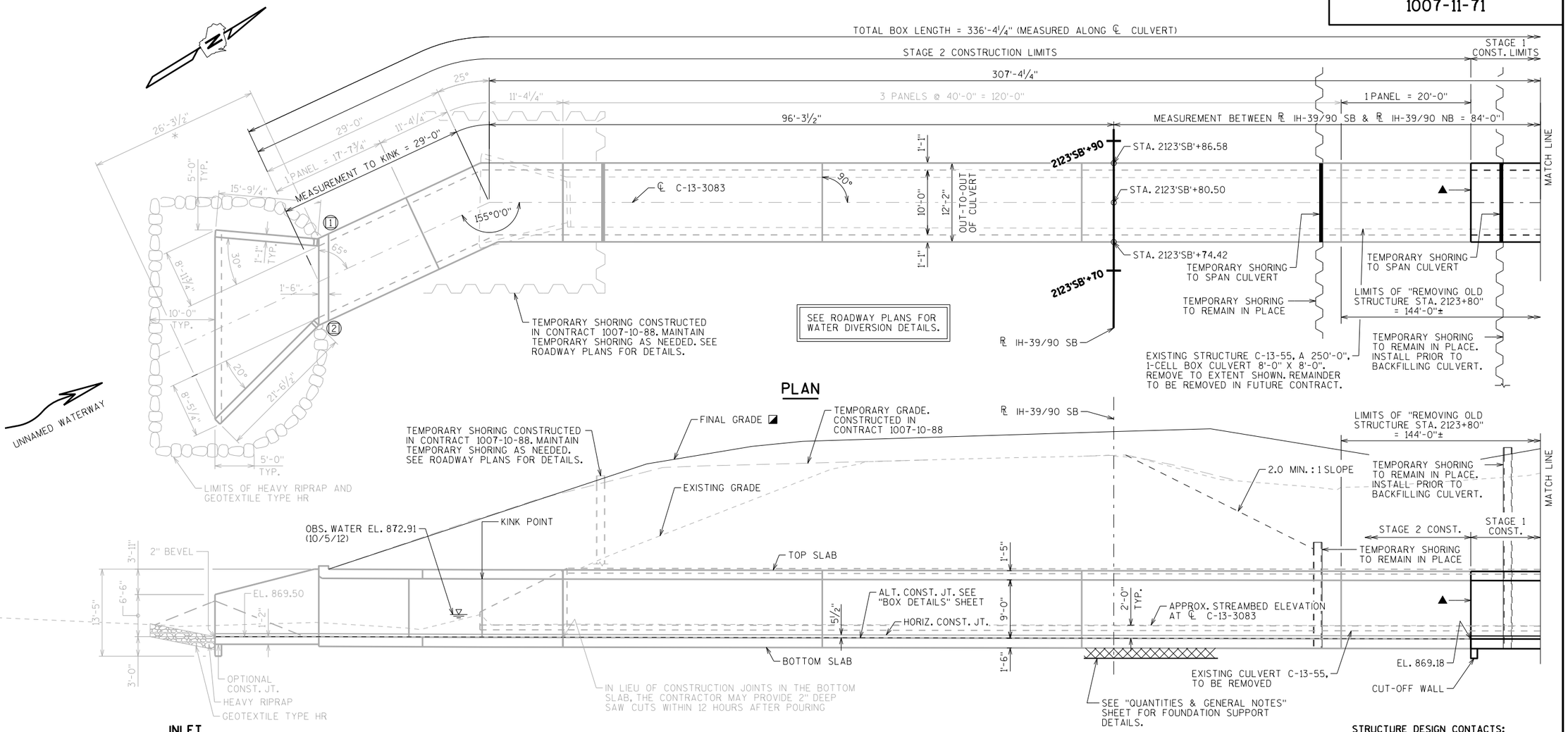
SLOPE PAVING CRUSHED AGGREGATE

SHEET 38 OF 38
522

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

STATE PROJECT NUMBER

1007-11-71



◪ IH-39/90 TO BE CONSTRUCTED UNDER CONTRACTS 1007-11-71 & 1007-11-79

* BUILD APRON AND END OF BOX LEVEL

■ NAME PLATE LOCATION (SEE "QUANTITIES & GENERAL NOTES" SHEET)

▲ VERT. CONST. JOINT (TYP.)

(11) INDICATES WING NUMBER

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.05
OPERATING RATING FACTOR: RF = 1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 255 (KIPS)

EARTHLOAD:

DESIGNED FOR 20.0 FT TO 22.0 FT OF FILL

MATERIAL PROPERTIES:

CONCRETE MASONRY:
GRADE A-FA ——— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 ——— fy = 60,000 P.S.I.

HYDRAULIC DATA

100 YEAR FREQUENCY

Q_{100} = 130 C.F.S.
$Q_{CULVERT}$ = 130 C.F.S.
VEL. = 4.1 F.P.S.
HW_{100} = EL. 874.77
WATERWAY AREA = 90 SQ. FT.
DRAINAGE AREA = 0.6 SQ. MI.
SCOUR CRITICAL CODE = 8
ROADWAY OVERTOPPING = N/A

2 YEAR FREQUENCY

Q_2 = 35 C.F.S.
$HW._2$ = EL. 872.99
$VEL._2$ = 2.3 F.P.S.

TRAFFIC VOLUME

IH-39/90

ADT = 70,300 (2040)
R.D.S. = 70 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN 1
2. GENERAL PLAN 2
3. QUANTITIES & GENERAL NOTES
4. BOX DETAILS
5. APRON DETAILS
6. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS:

ADAM SWIERCZEK (608) 267-4593
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 7/27/17
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-13-3083 STG 1

IH-39/90 OVER UNNAMED WATERWAY

COUNTY	TOWN ~~CITY/VILLAGE~~
DANE	PLEASANT SPRINGS

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
ABS	NAR	ABS	NAR

GENERAL PLAN 1

SHEET 1 OF 6

523

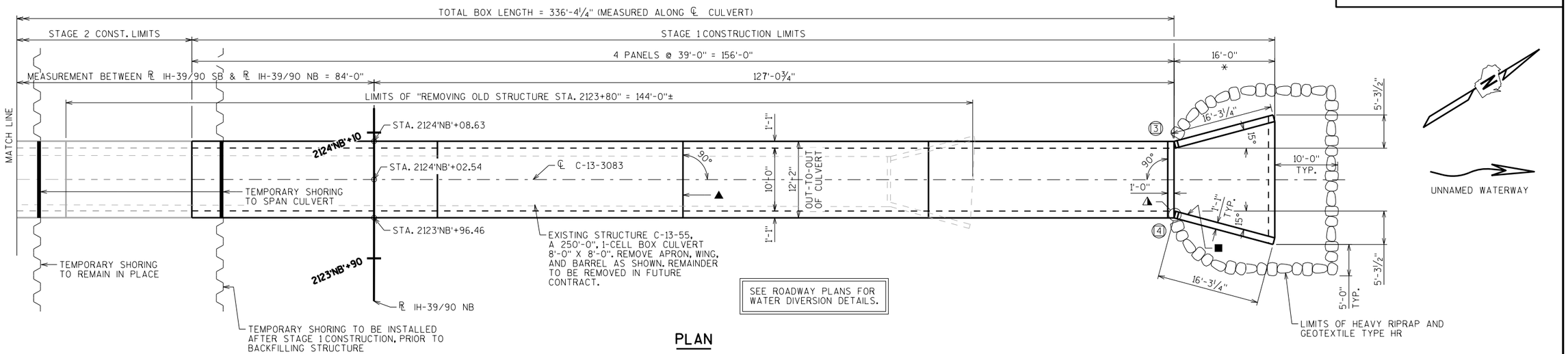
I.D. 1007-10-01W

DATE: JULY 2017

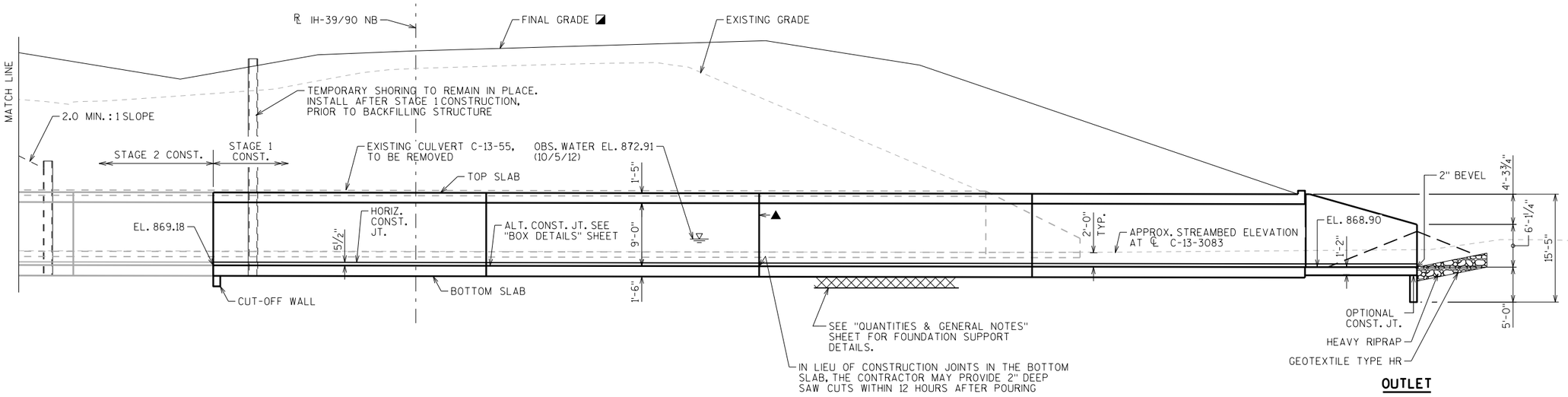
SCALE = 8.00

STATE PROJECT NUMBER

1007-11-71



PLAN



OUTLET

ELEVATION

- ◭ SEE CORNER DETAILS ON "APRON DETAILS" SHEET
- ◪ IH-39/90 TO BE CONSTRUCTED UNDER CONTRACTS 1007-11-71 & 1007-11-79
- * BUILD APRON AND END OF BOX LEVEL
- ■ NAME PLATE LOCATION (SEE "QUANTITIES & GENERAL NOTES" SHEET)
- ▲ VERT. CONST. JOINT (TYP.)
- (1) INDICATES WING NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3083 STG 1

DRAWN BY ABS | PLANS CK'D. NAR

GENERAL PLAN 2

SHEET 2

524

SCALE = 8.00

8

8

STATE PROJECT NUMBER

1007-11-71

TOTAL ESTIMATED QUANTITIES

BID ITEMS

	203.0200	REMOVING OLD STRUCTURE STA. 2123+80	1	LS
	206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-13-3083	1	LS
⬟	206.5000	COFFERDAMS C-13-3083	1	LS
◭ ☆	210.2500	BACKFILL STRUCTURE TYPE B	1,106	TON
☆	311.0115	BREAKER RUN	210	CY
	504.0100	CONCRETE MASONRY CULVERTS	344	CY
	505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	29,370	LB
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	1,880	LB
	511.2200	TEMPORARY SHORING LEFT IN PLACE C-13-3083	2,435	SF
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	28	SY
	606.0300	RIPRAP HEAVY	36	CY
	645.0105	GEOTEXTILE TYPE C	450	SY
	645.0120	GEOTEXTILE TYPE HR	86	SY

NON-BID ITEMS

FILLER	3/4"	SIZE

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES CULVERTS C-13-3083 SHALL BE THE EXISTING GROUNDLINE.

STRUCTURE BACKFILL IS REQUIRED BEHIND ALL WINGS. SEE "TYPICAL SECTION THRU BOX CULVERT WING" DETAIL.

SEE ROADWAY PLANS FOR STAGED CONSTRUCTION/TRAFFIC CONTROL PLAN.

⬟ SEE ROADWAY PLANS FOR COFFERDAM CONCEPT.

◭ ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO 1'-0" ABOVE THE TOP OF THE BOX WITHIN THE LENGTH OF THE CULVERT.

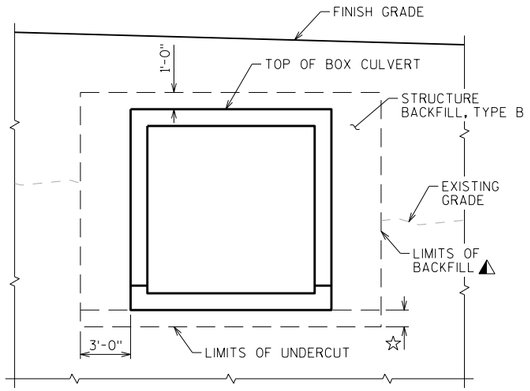
THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

THE ALTERNATE CUT OFF WALL MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONCRETE CUT OFF WALLS. PAYMENT SHALL BE BASED ON CONCRETE CUT OFF WALLS.

PLACE A 18" (MIN.) WIDE SHEET OF 'RUBBERIZED MEMBRANE WATERPROOFING' ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO BOTTOM OF OUTSIDE WALLS.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS ON CHAPTER 36 STANDARDS OF THE CURRENT WISC. DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES". ALL PRECAST BOX SECTIONS SHALL BE PLACED ON A BEDDING OF "STRUCTURE BACKFILL TYPE B" OF 6" MINIMUM DEPTH.

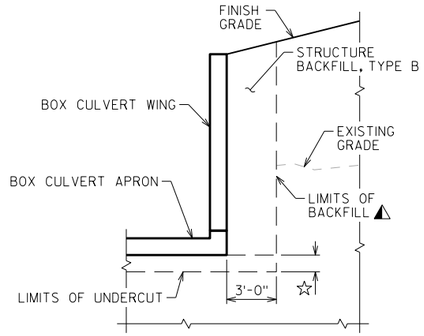
IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COURSE AGGREGATE, SELECT CRUSHED MATERIAL, OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMINE IF "OTHER GRANULAR MATERIAL" IS ACCEPTABLE.



TYPICAL SECTION THRU BOX CULVERT

◭ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

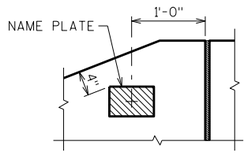
☆ UNDER CUT 3'-0" BELOW OUTLET PANEL AND OUTLET APRON. UNDERCUT 1'-0" BELOW ALL OTHER PANELS. EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".



TYPICAL SECTION THRU BOX CULVERT WING

◭ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

☆ UNDER CUT 3-0". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".



NAME PLATE LOCATION WING 4

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3083 STG 1

DRAWN BY ABS | PLANS CK'D. NAR

QUANTITIES & GENERAL NOTES

SHEET 3

525

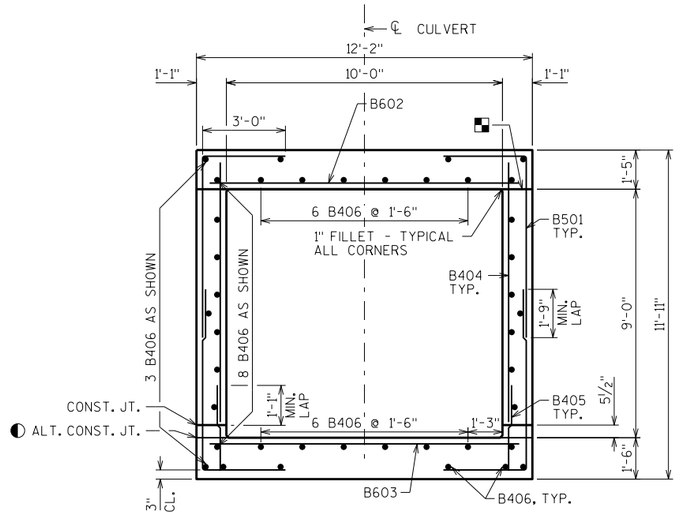
8

8

SCALE = 1.00

STATE PROJECT NUMBER

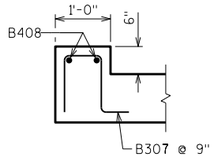
1007-11-71



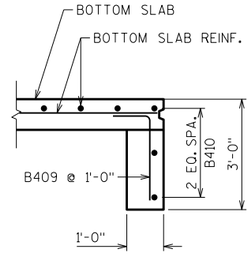
TYPICAL SECTION THRU PANEL

▪ OPTIONAL CONST. JOINT. OMIT 1" FILLET IF OPTIONAL CONST. JOINT IS USED.

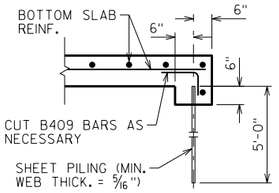
◐ OMIT 1" FILLET IF ALT. CONST. JOINT IS USED.



SECTION THRU HEADER



CUT-OFF WALL



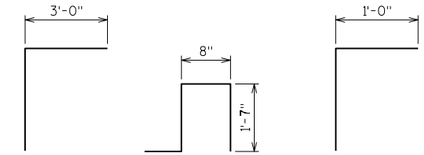
ALTERNATE CUT-OFF WALL

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALL. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.

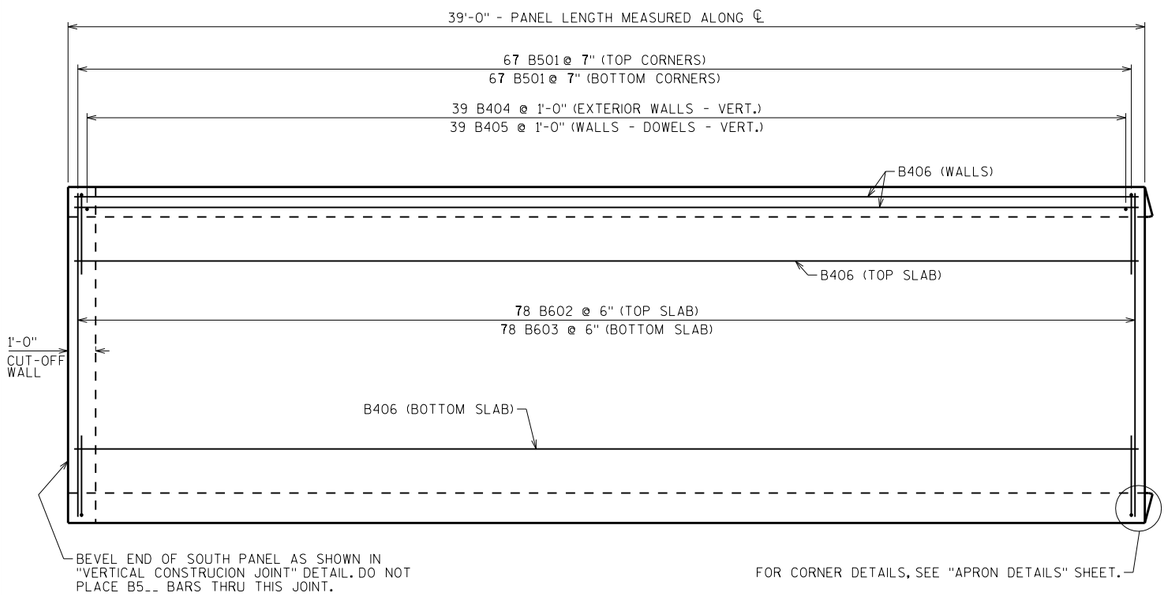
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B501		1072	9'-6"	X		CORNERS
B602		312	11'-8"			TOP - TRANS.
B603		312	11'-8"			BOTTOM - TRANS.
B404		312	9'-8"			WALLS - VERT.
B405		312	2'-10"			WALLS - DOWELS - VERT.
B406		160	38'-6"			TOP & BOTTOM SLAB & WALLS - LONGIT.
B307		16	4'-1"	X		HEADERS - STIRRUPS - VERT.
B408		2	11'-8"			HEADER - HORIZ.
B409		12	3'-6"	X		CUT-OFF WALL - VERT.
B410		2	11'-8"			CUT-OFF WALL - HORIZ.
J501		126	4'-0"			VERT. CONST. JOINT

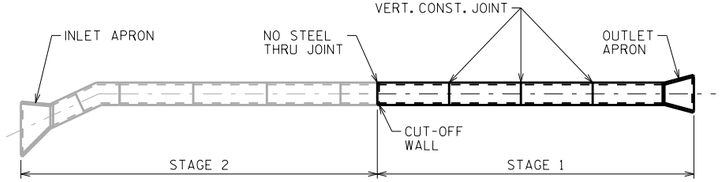


B501 B307 B409

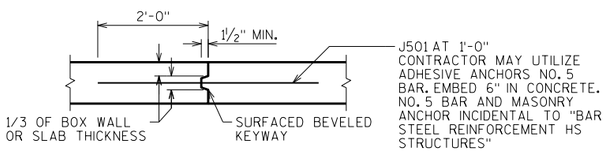


PLAN VIEW

HEADER BARS & APRON NOT SHOWN FOR CLARITY.



VERTICAL CONSTRUCTION JOINT - PLAN VIEW



VERTICAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3083 STG 1

DRAWN BY ABS | PLANS CK'D. NAR

BOX DETAILS

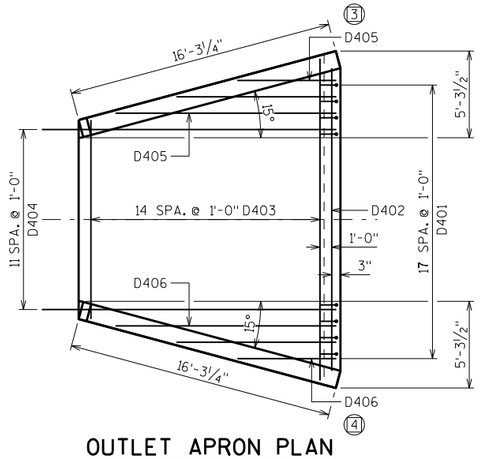
SHEET 4

526

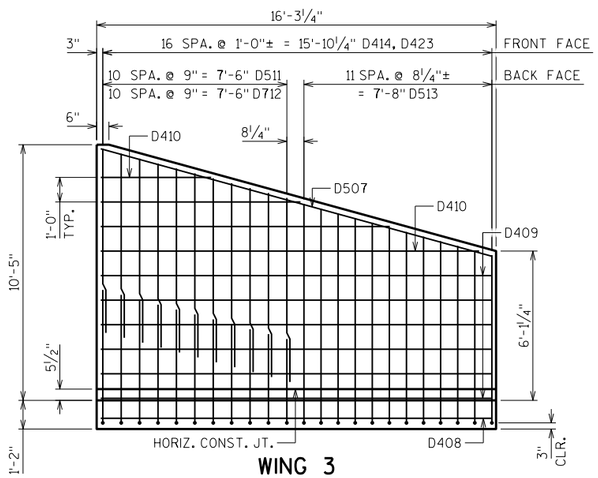
SCALE = 4.00

8

8

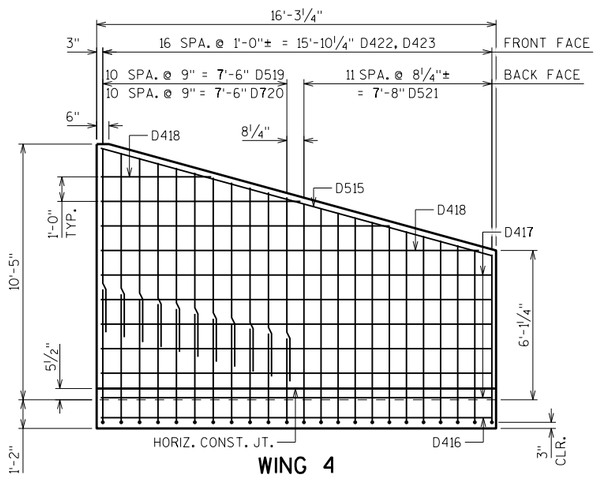


OUTLET APRON PLAN



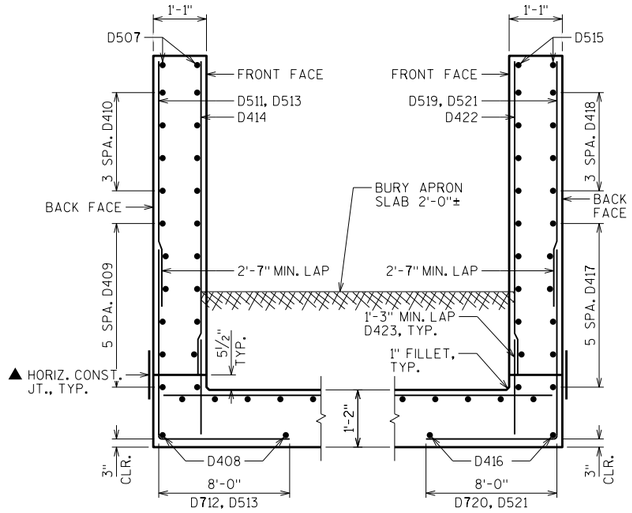
WING 3

SHOWING BACK FACE REINFORCEMENT



WING 4

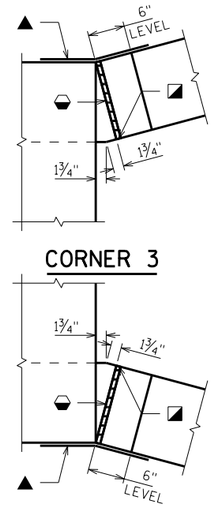
SHOWING BACK FACE REINFORCEMENT



WING 3 SECTION

WING 4 SECTION

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING, PLACE ALONG HORIZ. CONST. JT. FOR ENTIRE WING LENGTH, TYP.

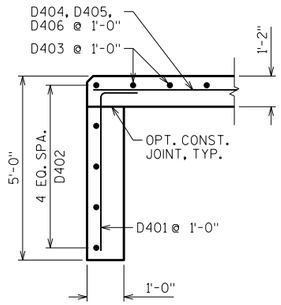


CORNER DETAILS

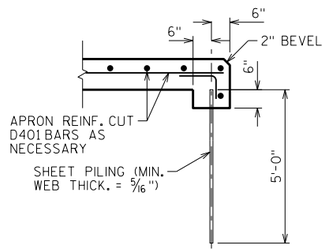
◒ 3/4" FILLER, TYP. EXTEND FILLER FROM HORIZ. CONST. JT. TO TOP OF WING.

◪ 1" BEVEL, TYP.

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JT. TO TOP OF WALL.



OUTLET CUT-OFF WALL



ALTERNATE CUT-OFF WALL

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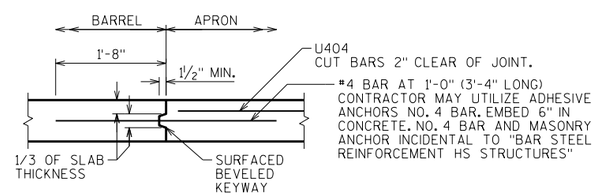


OPTIONAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

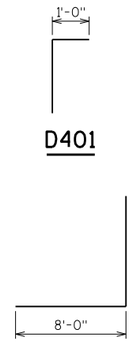
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
D401		18	5'-6"	X		INLET APRON AND CUTOFF WALL VERT.
D402		5	19'-0"			INLET APRON AND CUTOFF WALL HORIZ.
D403		15	15'-11"		⚠	INLET APRON SLAB HORIZ.
D404		12	18'-0"			INLET APRON AND BOX SLAB HORIZ.
D405		3	9'-10"		⚠	INLET APRON SLAB HORIZ.
D406		3	9'-10"		⚠	INLET APRON SLAB HORIZ.
D507	X	2	16'-6"			WING 3 HORIZ. TOP BOTH FACES
D408	X	2	15'-11"			WING 3 HORIZ. APRON SLAB
D409	X	12	15'-11"			WING 3 HORIZ. BOTTOM BOTH FACES
D410	X	8	9'-10"		⚠	WING 3 HORIZ.
D511	X	11	7'-6"			WING 3 VERT. BACK FACE
D712	X	11	13'-3"	X	⚠	WING 3 VERT. BACK FACE
D513	X	12	15'-9"	X	⚠	WING 3 VERT. BACK FACE
D414	X	17	7'-8"		⚠	WING 3 VERT. FRONT FACE
D515	X	2	16'-6"			WING 4 HORIZ. TOP BOTH FACES
D416	X	2	15'-11"			WING 4 HORIZ. APRON SLAB
D417	X	12	15'-11"			WING 4 HORIZ. BOTTOM BOTH FACES
D418	X	8	9'-10"		⚠	WING 4 HORIZ.
D519	X	11	7'-6"			WING 4 VERT. BACK FACE
D720	X	11	13'-3"	X	⚠	WING 4 VERT. BACK FACE
D521	X	12	15'-9"	X	⚠	WING 4 VERT. BACK FACE
D422	X	17	7'-8"		⚠	WING 4 VERT. FRONT FACE
D423	X	34	2'-10"			WINGS 3 & 4 DOWELS FRONT FACE

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

BAR MARK	NO. REQ'D	LENGTH
D403	1 SERIES OF 15	12'-2" TO 19'-8"
D405	1 SERIES OF 3	6'-1" TO 13'-7"
D406	1 SERIES OF 3	6'-1" TO 13'-7"
D410	2 SERIES OF 4	4'-4" TO 15'-4"
D712	1 SERIES OF 11	12'-3" TO 14'-3"
D513	1 SERIES OF 12	14'-9" TO 16'-11"
D414	1 SERIES OF 17	5'-6" TO 9'-9"
D418	2 SERIES OF 4	4'-4" TO 15'-4"
D720	1 SERIES OF 11	12'-3" TO 14'-3"
D521	1 SERIES OF 12	14'-9" TO 16'-11"
D422	1 SERIES OF 17	5'-6" TO 9'-9"

BUNDLE AND TAG EACH SERIES SEPARATELY



STATE PROJECT NUMBER

1007-11-71

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3083 STG 1

DRAWN BY ABS | PLANS CK'D. NAR

APRON DETAILS

SHEET 5

527

SCALE = 4.50

8

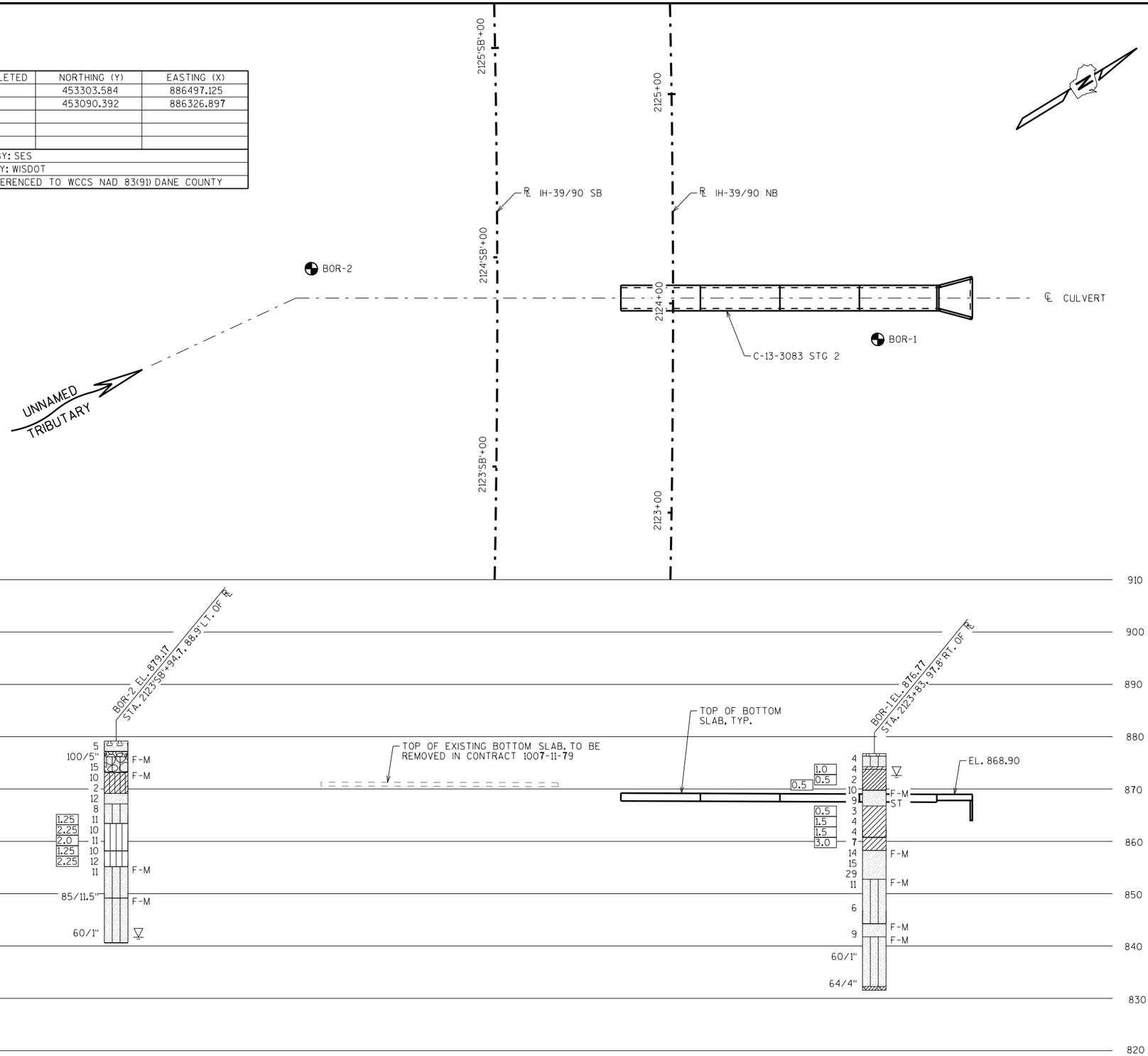
8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	5/16/16	453303.584	886497.125
2	5/13/16	453090.392	886326.897

BORINGS COMPLETED BY: SES

REPORT COMPLETED BY: WISDOT

ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY



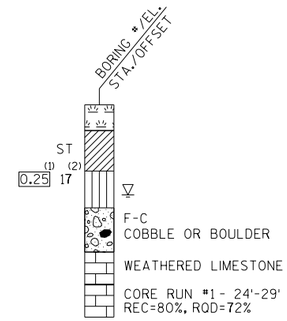
STATE PROJECT NUMBER

1007-11-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3083 STG 1

DRAWN BY TLP/ABS | PLANS CK'D. NAR

SUBSURFACE EXPLORATION

SHEET 6

528

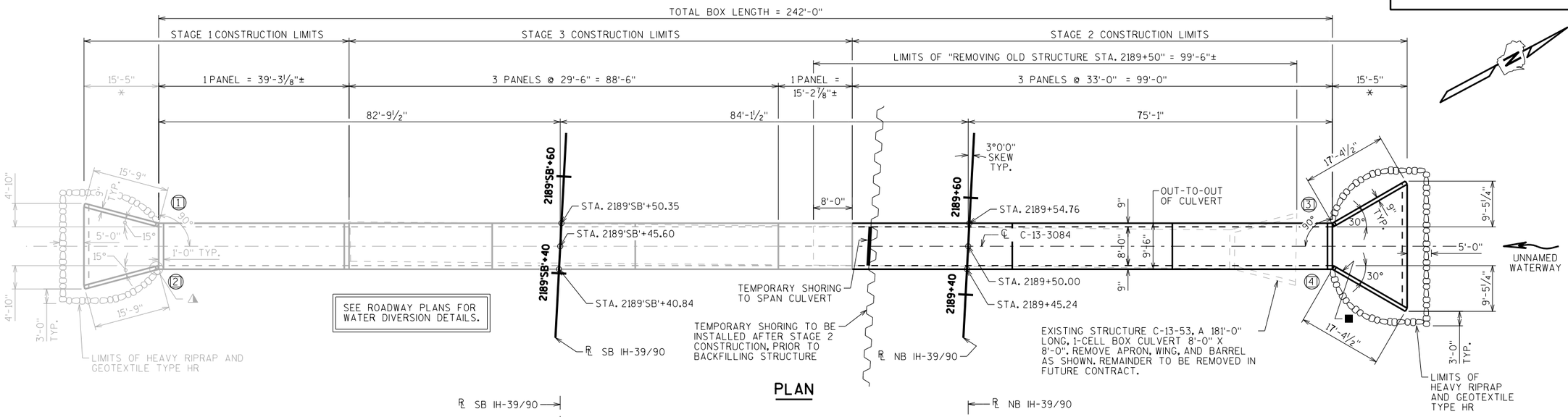
SCALE = 50.00

8

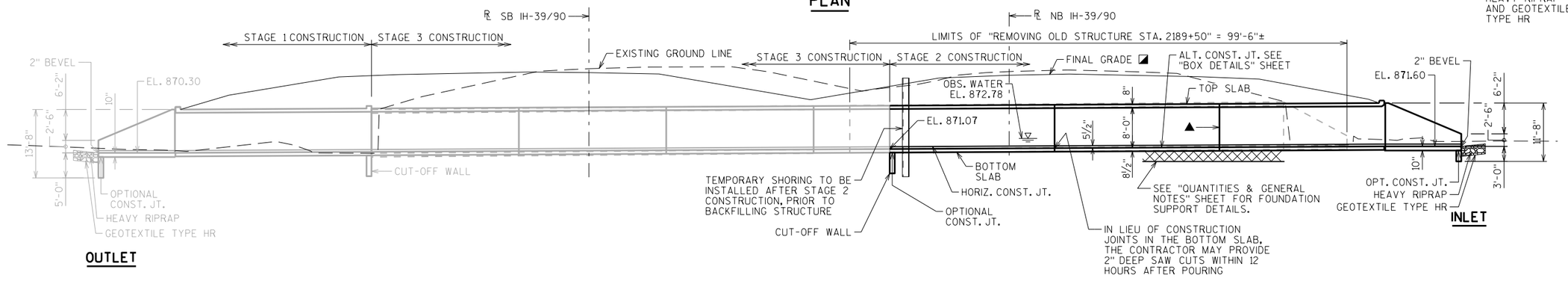
8

STATE PROJECT NUMBER

1007-11-71



PLAN



ELEVATION

- ◭ SEE CORNER DETAILS ON "APRON DETAILS" SHEET
- ◪ IH-39/90 TO BE CONSTRUCTED UNDER CONTRACTS 1007-11-71 & 1007-11-79
- * BUILD APRON AND END OF BOX LEVEL
- ■ NAME PLATE LOCATION (SEE "QUANTITIES & GENERAL NOTES" SHEET)
- ▲ VERT. CONST. JOINT (TYP.)
- (1) INDICATES WING NUMBER

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.05
OPERATING RATING FACTOR: RF = 1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 255 (KIPS)

EARTHLOAD:
DESIGNED FOR 4.0 FT TO 8.0 FT OF FILL

MATERIAL PROPERTIES:
CONCRETE MASONRY:
GRADE A-FA ——— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 ——— fy = 60,000 P.S.I.

HYDRAULIC DATA

100 YEAR FREQUENCY
Q_{100} = 150 C.F.S.
$Q_{CULVERT}$ = 150 C.F.S.
VEL. = 4.6 F.P.S.
HW_{100} = EL. 875.89
WATERWAY AREA = 64 SQ. FT.
DRAINAGE AREA = 0.8 SQ. MI.
SCOUR CRITICAL CODE = 8
ROADWAY OVERTOPPING = N/A

2 YEAR FREQUENCY
Q_2 = 35 C.F.S.
$HW._2$ = EL. 873.70
$VEL._2$ = 1.7 F.P.S.

TRAFFIC VOLUME

IH-39/90
ADT = 70,300 (2040)
R.D.S. = 70 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. QUANTITIES & GENERAL NOTES
3. BOX DETAILS
4. APRON DETAILS
5. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS:
ADAM SWIERCZEK (608) 267-4593
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 7/27/17
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-13-3084 STG 2

IH-39/90 OVER UNNAMED WATERWAY

COUNTY	TOWN ~~CITY/VILLAGE~~
DANE	PLEASANT SPRINGS

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
ABS	NAR	ABS	NAR

GENERAL PLAN

SHEET 1 OF 5

529

I.D. 1007-10-01V

DATE: JULY 2017

SCALE = 11.00

8

8

STATE PROJECT NUMBER

1007-11-71

TOTAL ESTIMATED QUANTITIES

BID ITEMS

	203.0200	REMOVING OLD STRUCTURE STA. 2189+50	1	LS
	206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-13-3084	1	LS
⬟	206.5000	COFFERDAMS C-13-3084	1	LS
◭ ☆	210.2500	BACKFILL STRUCTURE TYPE B	576	TON
☆	311.0115	BREAKER RUN	76	CY
	504.0100	CONCRETE MASONRY CULVERTS	111	CY
	505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	16,140	LB
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	1,690	LB
	511.2200	TEMPORARY SHORING LEFT IN PLACE C-13-3084	610	SF
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	19	SY
	606.0300	RIPRAP HEAVY	25	CY
	645.0105	GEOTEXTILE TYPE C	256	SY
	645.0120	GEOTEXTILE TYPE HR	70	SY

NON-BID ITEMS

FILLER	3/4"	SIZE

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES CULVERTS C-13-3084 SHALL BE THE EXISTING GROUNDLINE.

STRUCTURE BACKFILL IS REQUIRED BEHIND ALL WINGS. SEE "TYPICAL SECTION THRU BOX CULVERT WING" DETAIL.

SEE ROADWAY PLANS FOR STAGED CONSTRUCTION/TRAFFIC CONTROL PLAN.

⬟ SEE ROADWAY PLANS FOR COFFERDAM CONCEPT.

◭ ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO 1'-0" ABOVE THE TOP OF THE BOX WITHIN THE LENGTH OF THE CULVERT.

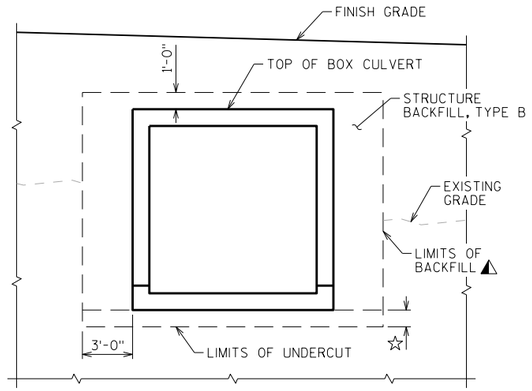
THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

THE ALTERNATE CUT OFF WALL MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONCRETE CUT OFF WALLS. PAYMENT SHALL BE BASED ON CONCRETE CUT OFF WALLS.

PLACE A 18" (MIN.) WIDE SHEET OF 'RUBBERIZED MEMBRANE WATERPROOFING' ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO BOTTOM OF OUTSIDE WALLS.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS ON CHAPTER 36 STANDARDS OF THE CURRENT WISC. DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES". ALL PRECAST BOX SECTIONS SHALL BE PLACED ON A BEDDING OF "STRUCTURE BACKFILL TYPE B" OF 6" MINIMUM DEPTH.

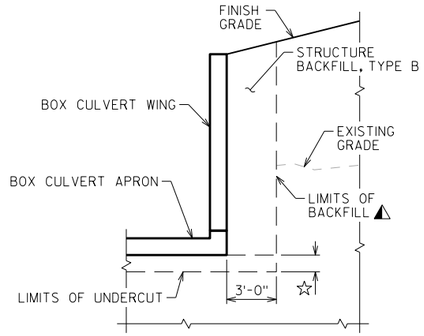
IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COURSE AGGREGATE, SELECT CRUSHED MATERIAL, OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMINE IF "OTHER GRANULAR MATERIAL" IS ACCEPTABLE.



TYPICAL SECTION THRU BOX CULVERT

◭ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

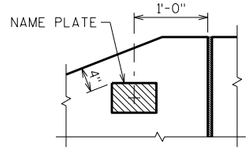
☆ UNDER CUT 1'-0". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".



TYPICAL SECTION THRU BOX CULVERT WING

◭ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

☆ UNDER CUT 1'-0". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".



NAME PLATE LOCATION WING 4

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3084 STG 2

DRAWN BY ABS | PLANS CK'D. NAR

QUANTITIES & GENERAL NOTES

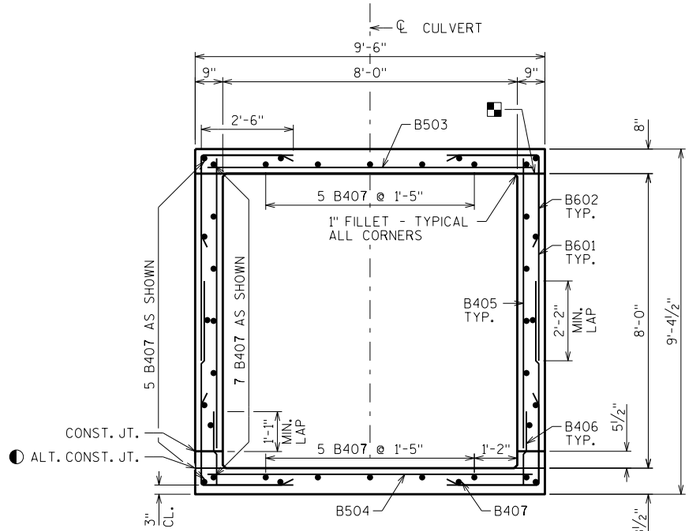
SHEET 2

530

SCALE = 1.00

STATE PROJECT NUMBER

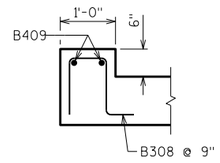
1007-11-71



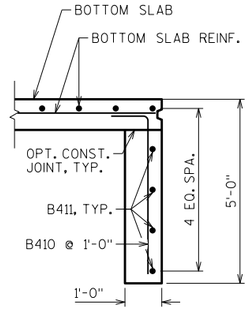
TYPICAL SECTION THRU BOX

OPTIONAL CONST. JOINT. OMIT 1" FILLET IF OPTIONAL CONST. JOINT IS USED.

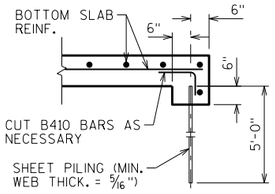
OMIT 1" FILLET IF ALT. CONST. JOINT IS USED.



SECTION THRU HEADER



CUT-OFF WALL



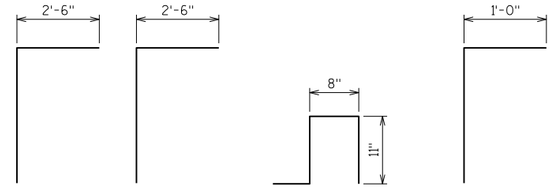
ALTERNATE CUT-OFF WALL

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALL. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.

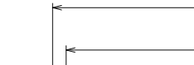
BILL OF BARS

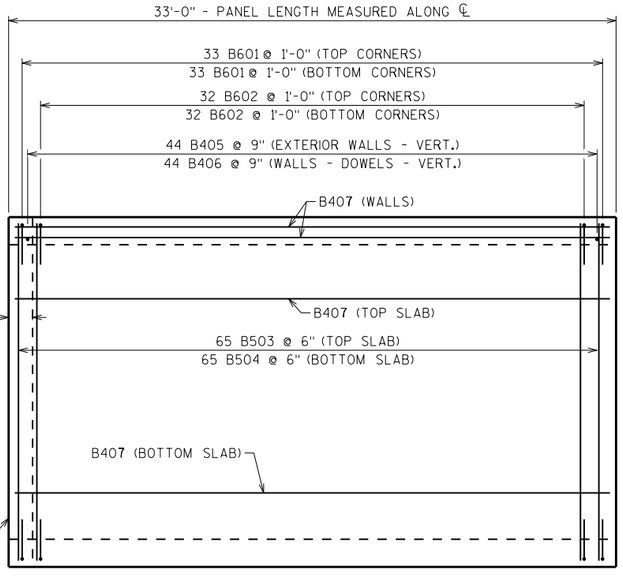
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B601		396	7'-11"	X		CORNERS
B602		384	4'-10"	X		CORNERS
B503		195	8'-9"			TOP - TRANS.
B504		195	8'-9"			BOTTOM - TRANS.
B405		264	7'-11"			EXTERIOR WALLS - VERT.
B406		264	2'-1"			WALLS - DOWELS - VERT.
B407		114	32'-6"			TOP & BOTTOM SLAB & WALLS - LONGIT.
B308		13	2'-9"	X		HEADERS - STIRRUPS - VERT.
B409		2	8'-9"			HEADERS - HORIZ.
B410		9	5'-6"	X		CUT-OFF WALL - VERT.
B411		4	8'-9"			CUT-OFF WALL - HORIZ.
B512		70	4'-0"			VERT. CONST. JOINT - BETWEEN PANELS



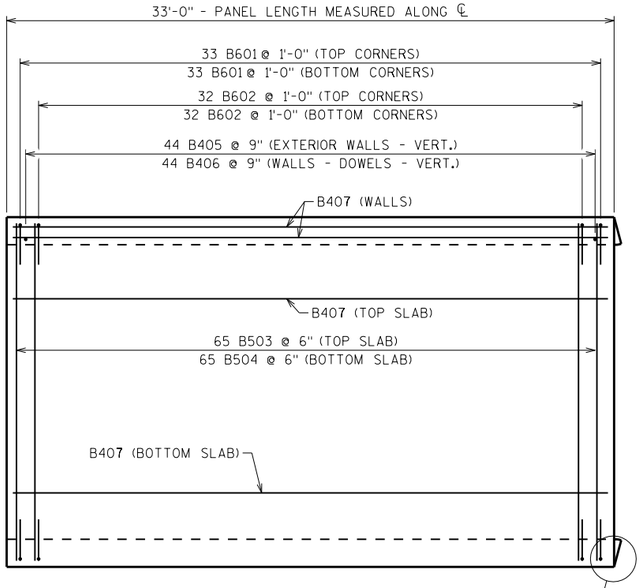
B601 B602 B308 B410





BEVEL END OF PANEL AS SHOWN IN "VERTICAL CONSTRUCTION JOINT" DETAIL. DO NOT PLACE B512 BARS THRU THIS JOINT.

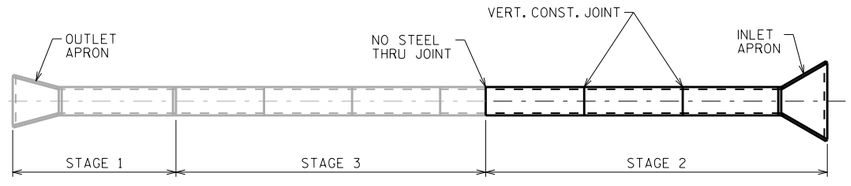
PLAN VIEW OF INTERIOR PANELS



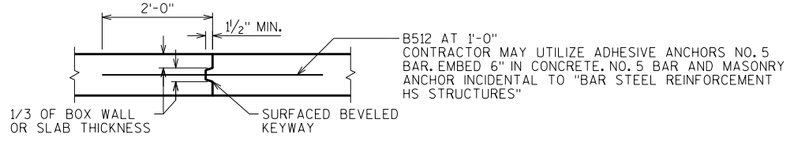
FOR CORNER DETAILS, SEE "APRON DETAILS" SHEET.

PLAN VIEW OF INLET PANEL

HEADER BARS & APRON NOT SHOWN FOR CLARITY.



VERTICAL CONSTRUCTION JOINT - PLAN VIEW



VERTICAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3084 STG 2

DRAWN BY ABS | PLANS CK'D. NAR

BOX DETAILS

SHEET 3

531

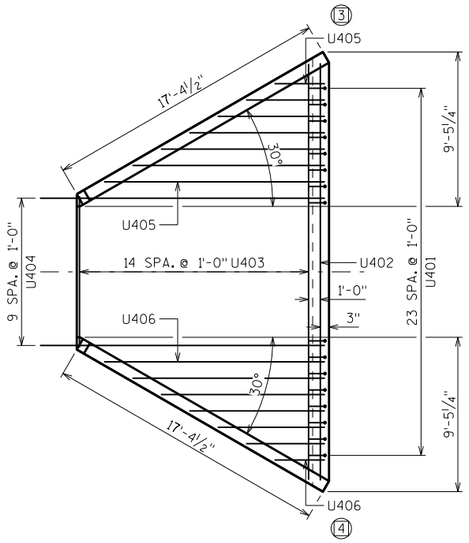
SCALE = 4.00

8

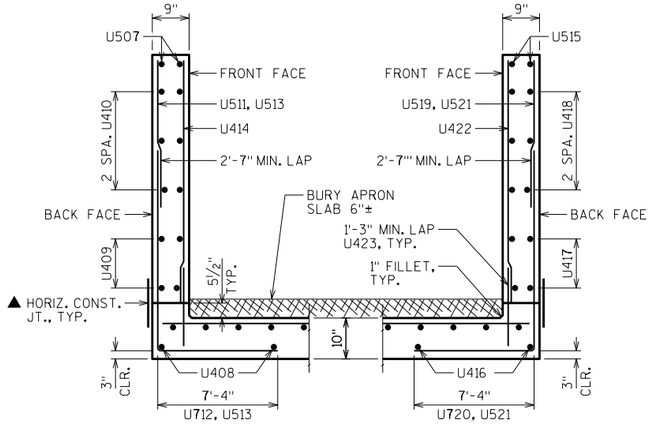
8

STATE PROJECT NUMBER

1007-11-71

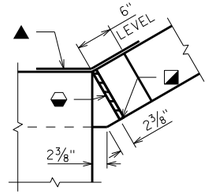


INLET APRON PLAN

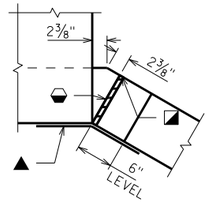


WING 3 SECTION

WING 4 SECTION



CORNER 3



CORNER 4

CORNER DETAILS

◒ 3/4" FILLER, TYP. EXTEND FILLER FROM HORIZ. CONST. JT. TO TOP OF WING.

◪ 1" BEVEL, TYP.

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JT. TO TOP OF WALL.

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

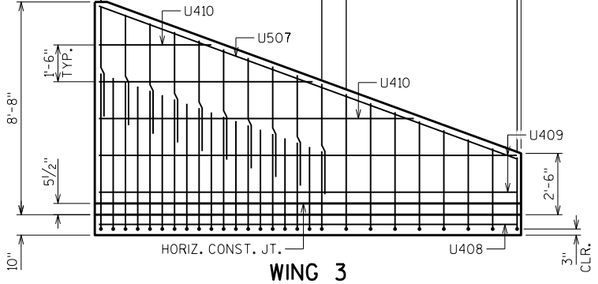
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
U401		24	3'-6"	X		INLET APRON AND CUTOFF WALL VERT.
U402		3	25'-6"			INLET APRON AND CUTOFF WALL HORIZ.
U403		15	17'-4"		◭	INLET APRON SLAB HORIZ.
U404		10	17'-5"			INLET APRON AND BOX SLAB HORIZ.
U405		7	8'-3"		◭	INLET APRON SLAB HORIZ.
U406		7	8'-3"		◭	INLET APRON SLAB HORIZ.
U507	X	2	18'-1"			WING 3 HORIZ. TOP BOTH FACES
U408	X	2	16'-11"			WING 3 HORIZ. APRON SLAB
U409	X	4	16'-11"			WING 3 HORIZ. BOTTOM BOTH FACES
U410	X	6	8'-8"		◭	WING 3 HORIZ.
U511	X	10	4'-6"			WING 3 VERT. BACK FACE
U712	X	19	12'-9"	X	◭	WING 3 VERT. BACK FACE
U513	X	8	11'-6"	X	◭	WING 3 VERT. BACK FACE
U414	X	13	5'-0"		◭	WING 3 VERT. FRONT FACE
U515	X	2	18'-1"			WING 4 HORIZ. TOP BOTH FACES
U416	X	2	16'-11"			WING 4 HORIZ. APRON SLAB
U417	X	4	16'-11"			WING 4 HORIZ. BOTTOM BOTH FACES
U418	X	6	8'-8"		◭	WING 4 HORIZ.
U519	X	10	4'-6"			WING 4 VERT. BACK FACE
U720	X	19	12'-9"	X	◭	WING 4 VERT. BACK FACE
U521	X	8	11'-6"	X	◭	WING 4 VERT. BACK FACE
U422	X	13	5'-0"		◭	WING 4 VERT. FRONT FACE
U423	X	26	2'-3"			WINGS 3 & 4 DOWELS FRONT FACE

◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

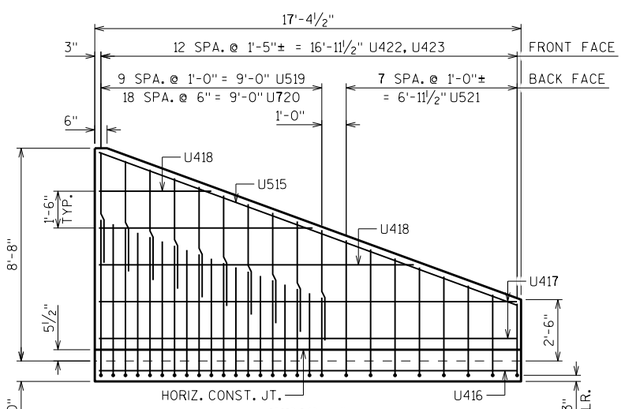
BAR MARK	NO. REQ'D	LENGTH
U403	1 SERIES OF 15	9'-2" TO 25'-5"
U405	1 SERIES OF 7	3'-1" TO 13'-6"
U406	1 SERIES OF 7	3'-1" TO 13'-6"
U410	2 SERIES OF 3	4'-7" TO 12'-10"
U712	1 SERIES OF 19	11'-1" TO 14'-5"
U513	1 SERIES OF 8	10'-3" TO 12'-9"
U414	1 SERIES OF 13	1'-11" TO 8'-0"
U418	2 SERIES OF 3	4'-7" TO 12'-10"
U720	1 SERIES OF 19	11'-1" TO 14'-5"
U521	1 SERIES OF 8	10'-3" TO 12'-9"
U422	1 SERIES OF 13	1'-11" TO 8'-0"

BUNDLE AND TAG EACH SERIES SEPARATELY



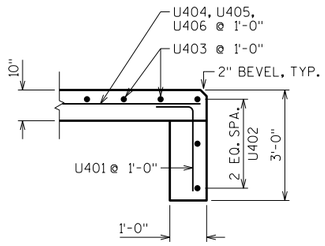
WING 3

SHOWING BACK FACE REINFORCEMENT

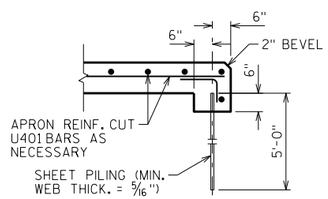


WING 4

SHOWING BACK FACE REINFORCEMENT

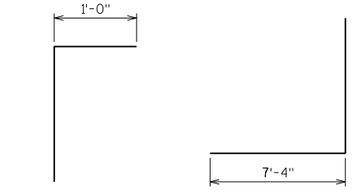


INLET CUT-OFF WALL



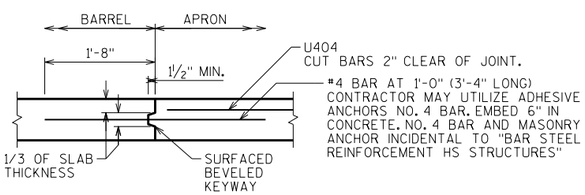
ALTERNATE CUT-OFF WALLS

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.



U401

U712, U513, U720, U521



OPTIONAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3084 STG 2

DRAWN BY ABS | PLANS CK'D. NAR

APRON DETAILS

SHEET 4

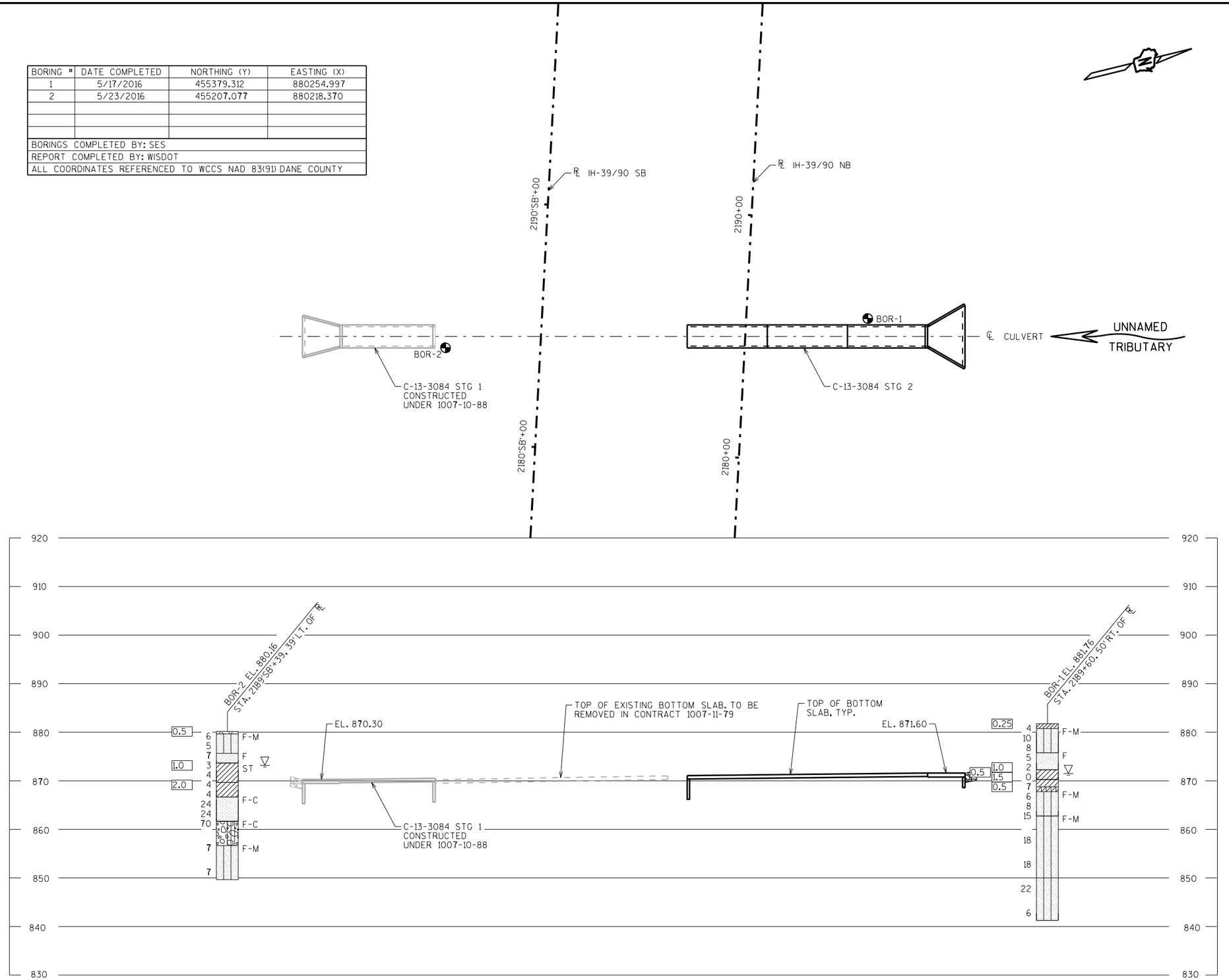
532

8

8

SCALE = 4.50

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	5/17/2016	455379.312	880254.997
2	5/23/2016	455207.077	880218.370
BORINGS COMPLETED BY: SES			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY			



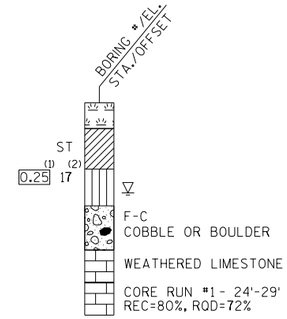
STATE PROJECT NUMBER

1007-11-71

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3084 STG 2

DRAWN BY TLP/ABS | PLANS CK'D. NAR

SUBSURFACE EXPLORATION

SHEET 5

533

SCALE = 20.00

8

8

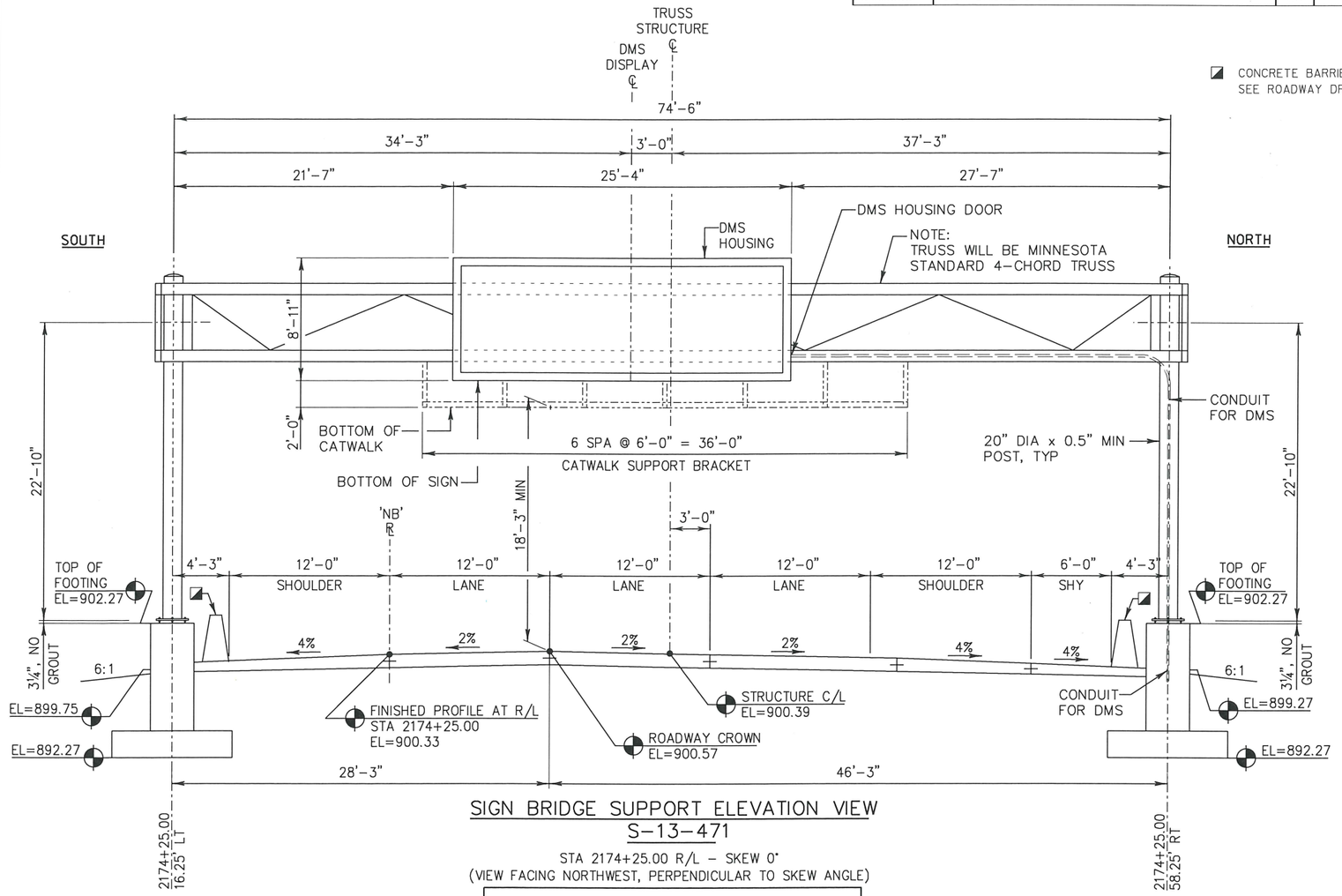
STATE PROJECT NUMBER
1007-11-71

BENCH MARK - DATUM USGS (NAVD 88)

NO.	STATION	DESCRIPTION	ELEV.
CP610P	97+83.99'NN', 16.73'RT	CAPPED REBAR MONUMENT	904.11

TOTAL ESTIMATED QUANTITIES S-13-471

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	26
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	3530
641.6600	SIGN BRIDGE S-13-471	LS	1

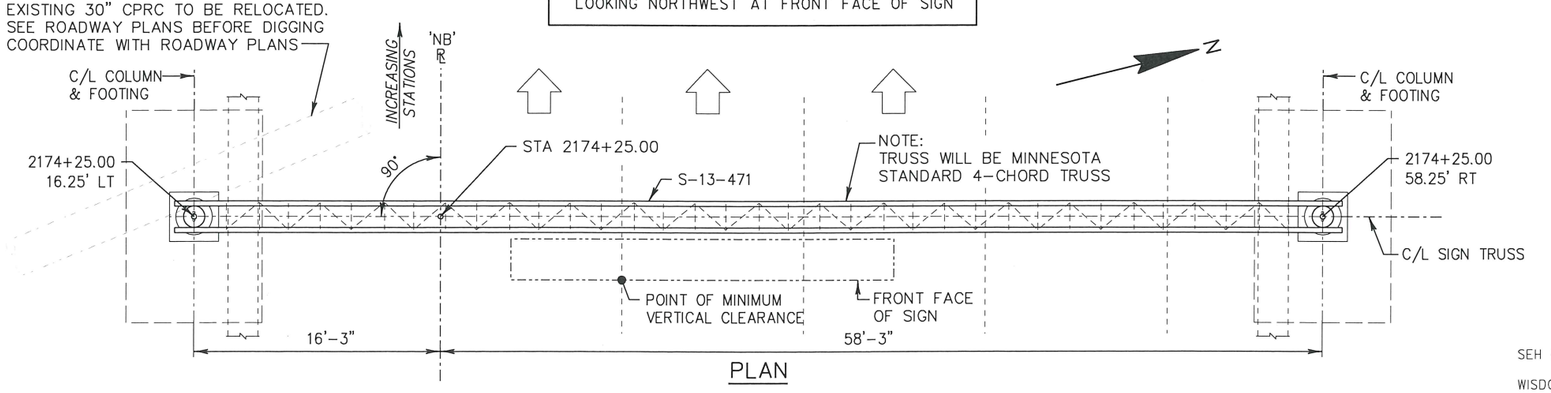


SIGN BRIDGE SUPPORT ELEVATION VIEW S-13-471

STA 2174+25.00 R/L – SKEW 0°
(VIEW FACING NORTHWEST, PERPENDICULAR TO SKEW ANGLE)

LOOKING NORTHWEST AT FRONT FACE OF SIGN

■ CONCRETE BARRIER TYPE 42SS. SEE ROADWAY DRAWINGS.



PLAN

DESIGN DATA

DESIGNED ACCORDING TO THE LATEST EDITION OF AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS".

DEAD LOAD - 3 PSF WEIGHT OF SIGN + WEIGHT OF SUPPORTING STRUCTURE, CATWALK AND RAILINGS. DMS SIGN WEIGHT = 4000 LBS.

LIVE LOAD - SINGLE LINE LOAD OF 500 LBS DISTRIBUTED OVER 2'-0" OF CATWALK.

ICE LOAD - 3 PSF TO 1 FACE OF SIGN & AROUND SURFACE OF MEMBERS.

WIND PRESSURE - 90 MPH (3-SECOND GUST SPEED) TO SIGN AREA AND EXPOSED MEMBERS.

SIGN BRIDGE WAS DESIGNED BASED ON THE FOLLOWING:
DYNAMIC MESSAGE SIGN (DMS) PARAMETERS:
SIGN AREA - 226 SF
SIGN WEIGHT - 4000 LB.

DMS UNIT DIMENSIONS:
25'-4" WIDE
8'-11" TALL
3'-2" DEEP

GROUP LOADS	% OF ALLOWABLE STRESS
1. DEAD	100
2. DEAD + WIND	133
3. DEAD + ICE + ½ (WIND)*	133
4. FATIGUE	**

*MIN VALUE OF 25 PSF FOR GROUP 3
**SEE FATIGUE SECTION OF AASHTO FOR STRESS RANGE LIMITS

WIND COMPONENTS	NORMAL	TRANSVERSE
COMBINATION 1	1.0	0.2
COMBINATION 2	0.6	0.3

FOUNDATION DATA

THE FOLLOWING ASSUMPTION WERE USED FOR THE DESIGN OF THE FOUNDATION SYSTEM. A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS STRUCTURE AND IS AVAILABLE UPON REQUEST FROM WISDOT'S SW REGION - EDGERTON.

ALLOWABLE END BEARING PRESSURE = 3.0 TSF

MATERIAL PROPERTIES

CONCRETE MASONRY - f'c = 3.5 KSI
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 - fy = 60 KSI
UPRIGHT, API-5L-X42 - fy = 42,000 PSI
STRUCTURAL ANGLES, PLATES & BARS, ASTM A709 GRADE 36 - fy = 36,000 PSI
ANCHOR BOLTS, ASTM F1554 GRADE 55 - fy = 55,000 PSI
HIGH STRENGTH BOLTS, A325 - fy = 92,000 PSI
STRUCTURAL MEMBERS GALVANIZED - A123
HARDWARE GALVANIZED - A153 CLASS C

LIST OF DRAWINGS

1 LAYOUT S-13-471
2 NOTES AND DETAILS
3 SUBSURFACE EXPLORATION
4 SIGN TRUSSS DETAILS
5 DMS SIGN PANEL MOUNTING DETAILS
6 CATWALK DETAILS
7 HANDHOLE DETAILS
8 TRUSS POST CONNECTION & BASE PLATES
9 FOOTINGS AND ANCHOR RODS

NO.	DATE	REVISION	BY

SEH
SHORT ELLIOTT HENDRICKSON INC.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR — 10/19/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE S-13-471

I-39 'NB' SIGN BRIDGE

COUNTY	TOWN/CITY/VILLAGE
DANE	PLEASANT SPRINGS

DESIGN SPEC.
AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY SIGNS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
NCK/CJB	AC	DF	CJB/MHD

LAYOUT
S-13-471

SHEET 534 OF 9

WISCONSIN
CHRISTOPHER J. BLUM
E-33157
MADISON
WI
PROFESSIONAL ENGINEER
Christopher J. Blum 5.31.17

SEH CONTACT: CHRIS BLUM, PE, 608.628.6192
WISDOT BRIDGE OFFICE CONTACT: BILL DREHER, PE, 608.266.8489

PLOT TIME: 2:22:00 PM
PLOT DATE: 5/31/2017
FILE NAME : S:\AE\D\Danel\125226\5-final-dgn\5i-drawings\20-Struct\S-13-471(7)\si3471gp.dgn

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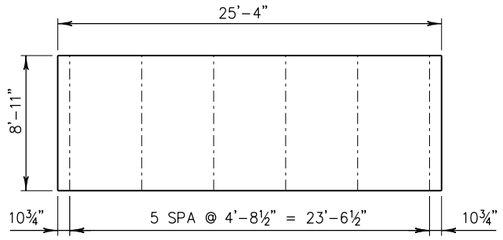
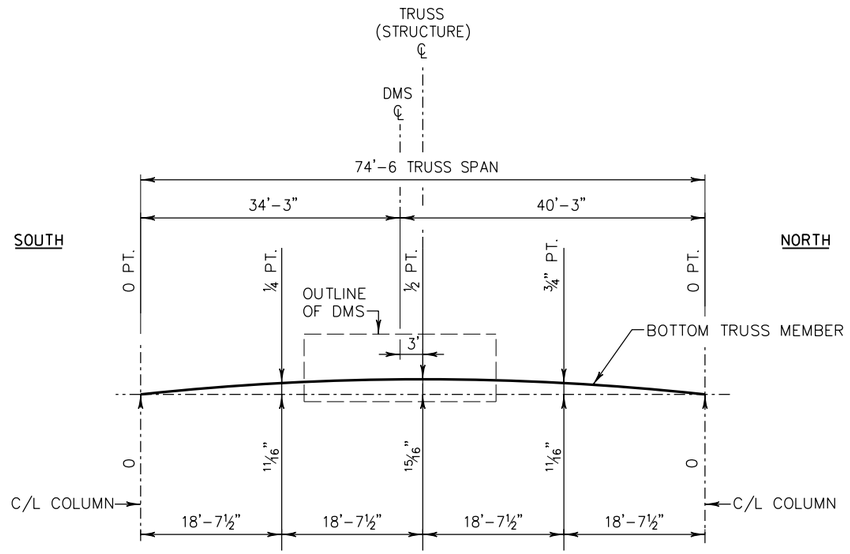
STATE PROJECT NUMBER
1007-11-71



DMS PANEL MOUNTING POST SPACING DETAIL

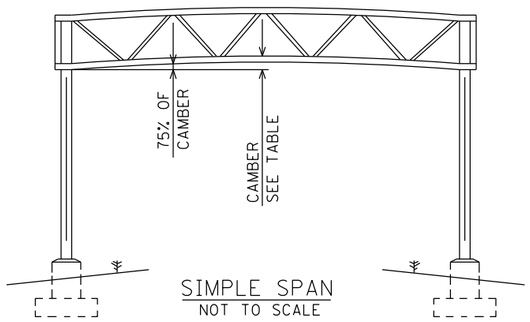
NOTE: POST SPACING MAY BE ADJUSTED AS REQUIRED IF CONFLICT WITH TRUSS DETAILS IS ENCOUNTERED.



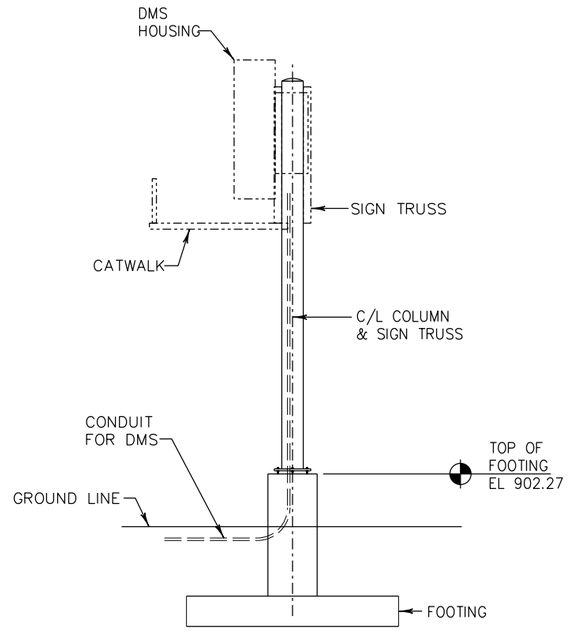
TRUSS CAMBER DETAIL

SIMPLE SPAN TRUSS CAMBER	
SPAN	75
CAMBER	15/16
DL DEFLECTION	3/16
RESIDUAL CAMBER	¾

NOTE:
CAMBER AND DEFLECTIONS SHOWN ARE AT ℄ SPAN. THE DEFLECTIONS AND CAMBER AT THE QUARTER POINTS SHALL BE APPROXIMATELY 75% OF THESE VALUES.



SIMPLE SPAN
NOT TO SCALE



END VIEW

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

ELEVATIONS ARE IN FEET UNLESS OTHERWISE SHOWN OR NOTED. ELEVATIONS ON THIS PLAN ARE REFERENCED TO NAVD88 DATUM.

THE SIGN BRIDGE SHALL SUPPORT THE SIGN SHOWN.

BAR STEEL SHALL BE 3" CLEAR UNLESS OTHERWISE NOTED.

BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE NOTED.

THE FIRST DIGIT OF A THREE DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK INDICATE THE SIZE OF THE BAR.

ALL COMPONENTS SHALL BE GALVANIZED AFTER FABRICATION EXCEPT REINFORCEMENT BARS, LOWER PORTION OF ANCHOR RODS, ALUMINUM AND OTHER NON-FERROUS INCIDENTALS.

PROVIDE IDENTIFICATION PLAQUE FOR SIGN BRIDGE. THE COST OF THE PLAQUE IS INCLUDED IN BID ITEM "SIGN BRIDGE S-13-471". LOCATE AND FABRICATE IN ACCORDANCE WITH S.D.D. 12A4.

THESE PLANS SHALL BE USED IN CONJUNCTION WITH THE ROADWAY PLANS AND THE SIGN BRIDGE SHOP DRAWINGS.

CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES.

CONTRACTOR SHALL CONFIRM SIGN BRIDGE LOCATIONS PRIOR TO EXCAVATING.

HANDHOLES AND GROUND RODS ARE REQUIRED.

SIGN BRIDGE SHALL BE LOCATED NORMAL TO REFERENCE LINE, THE CONTRACTOR SHALL VERIFY LOCATION OF ELECTRICAL FEEDS PRIOR TO FABRICATION OF SIGN BRIDGE MEMBERS

SIGN BRIDGES SHALL BE FABRICATED USING STEEL.

TRUSS SECTIONS SHALL BE MADE IN MULTIPLES OF 6'-0 EXCEPT THAT THE BRACING PANEL NEAREST EACH POST MAY VARY TO MAKE UP THE NEEDED SECTION LENGTH. WELDED CHORD SPLICES ARE NOT PERMITTED.

THE UPPER 1'-6" OF ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE AASHTO SPECIFICATION AS STATED IN SECTION 641 OF THE WISDOT STANDARD SPECIFICATIONS.

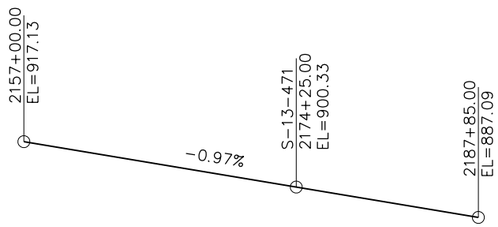
CENTER SIGNS VERTICALLY ON TRUSS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF UNIT CAN BE GALVANIZED IN ONE PIECE.

SIGNS OR BLANKS SHALL BE INSTALLED ON THE TRUSS AT THE TIME OF ERECTION. BLANKS, IF USED, SHALL BE ¼ THE LENGTH OF THE BRIDGE, 2'-0" DEEPER THAN CENTER TO CENTER OF THE CHORDS AND SHALL BE CENTERED ON THE BRIDGE. SIGNS SHALL BE AS DESIGNED IN THE PLANS.

ALL BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA A325 BOLTS, GALVANIZED ASTM A153, CLASS C AND SHALL INCLUDE DTI WASHERS.

WELD TEST AS PER AWS D1.1.



PROFILE GRADE LINE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-13-471

DRAWN BY DF | PLANS CK'D. MHD

NOTES AND DETAILS

SHEET 2 OF 9
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FILE NAME : S:\AE\D\Done\I25226\5-final-dgn\5i-drawings\20-Struct\S-13-471\I71\si3471gpn.dgn

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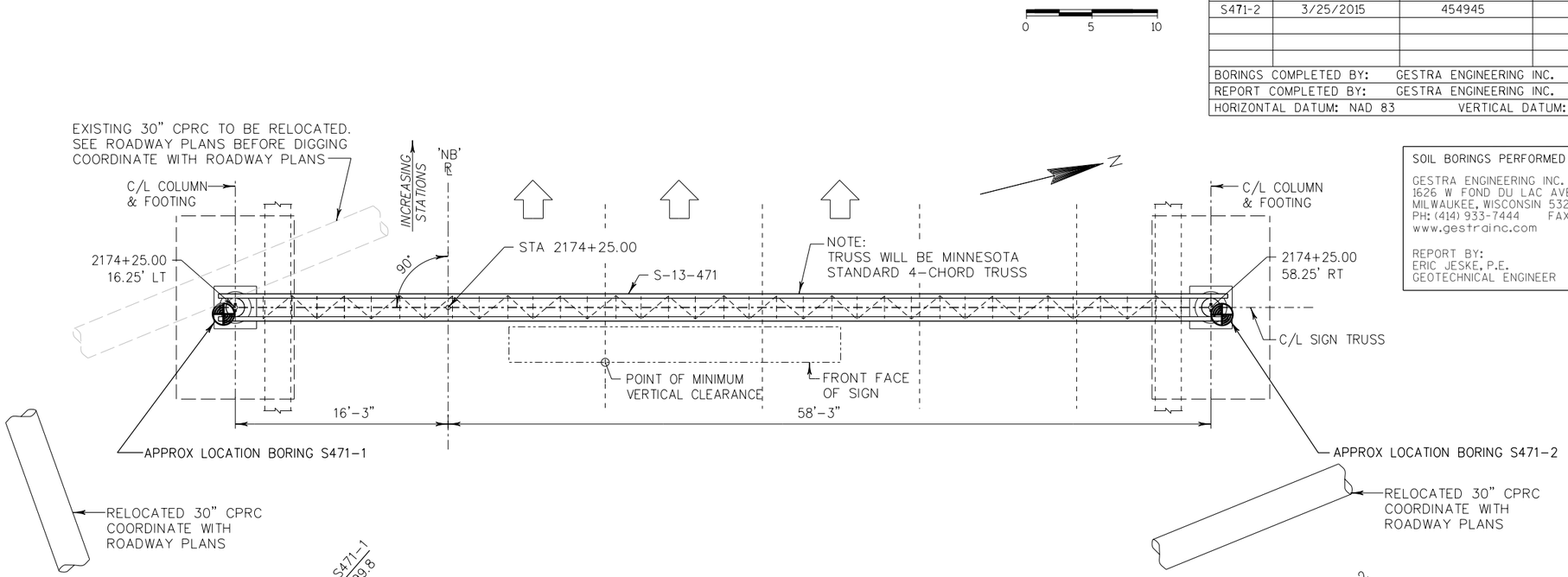
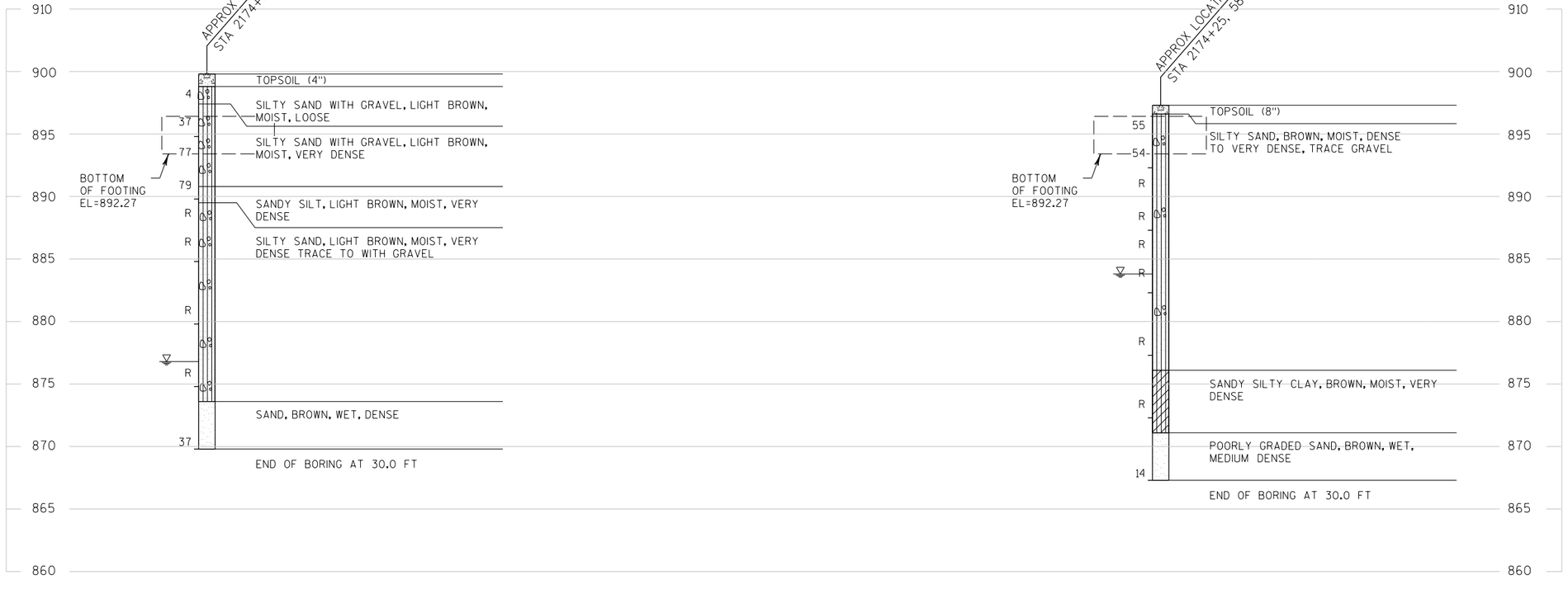
BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
S471-1	9/30/2015	454872	881699
S471-2	3/25/2015	454945	881721
BORINGS COMPLETED BY:	GESTRA ENGINEERING INC.		
REPORT COMPLETED BY:	GESTRA ENGINEERING INC.		
HORIZONTAL DATUM: NAD 83		VERTICAL DATUM: NGVD 88	





SOIL BORINGS PERFORMED BY:

GESTRA ENGINEERING INC.
1626 W FOND DU LAC AVENUE
MILWAUKEE, WISCONSIN 53205
PH: (414) 933-7444 FAX: (414)933-7844
www.gestrainc.com

REPORT BY:
ERIC JESKE, P.E.
GEOTECHNICAL ENGINEER

STATE PROJECT NUMBER

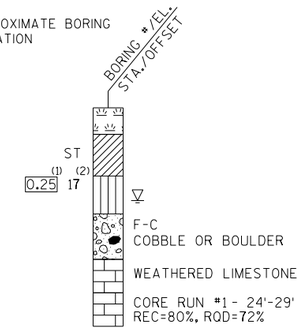
1007-11-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING

= APPROXIMATE BORING LOCATION



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

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SUBSURFACE EXPLORATION

SHEET 3 OF 9

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PLOT TIME: 2:22:00 PM

PLOT DATE: 5/3/2017

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STATE PROJECT NUMBER

1007-11-71

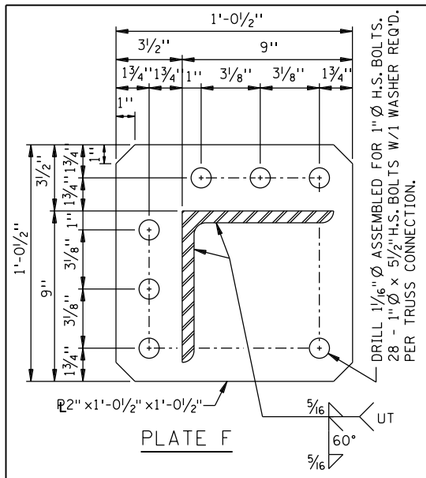
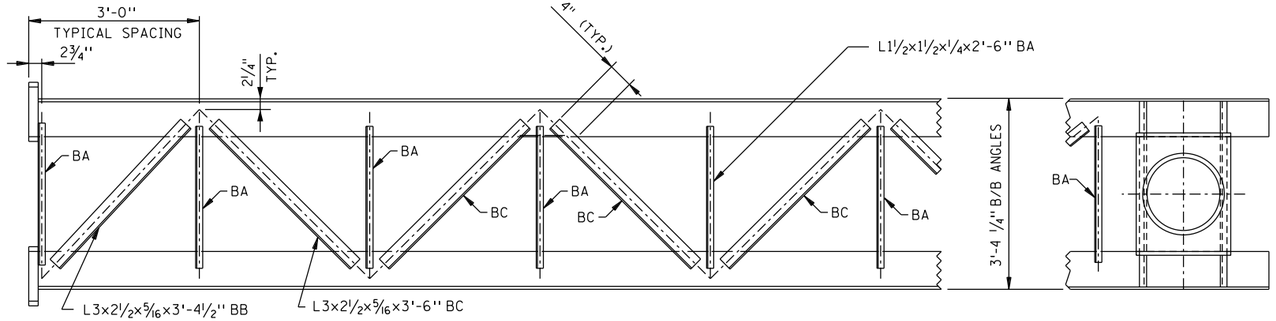


PLATE F



TOP VIEW

NOTES:

TRUSS SECTIONS SHALL BE MADE IN MULTIPLES OF 6'-0", EXCEPT THAT THE BRACING PANEL NEAREST EACH POST MAY VARY TO MAKE UP THE NEEDED SECTION LENGTH. WELDED CHORD SPLICES ARE NOT PERMITTED EXCEPT IN CANTILEVER TRUSSES AS NOTED BELOW.

UNLESS OTHERWISE SHOWN, ALL WELDS SHALL BE ¼" FILLET WELDS ALL AROUND.

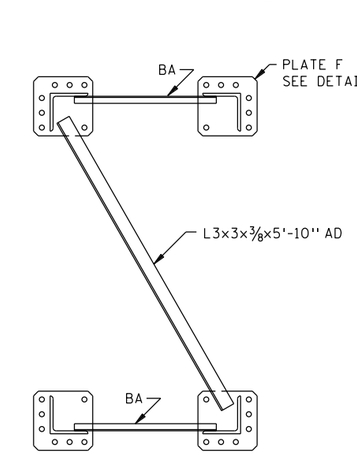
BOLTED SPLICES SHALL NOT BE LOCATED BEHIND CMS SIGNS.

PROVIDE 2- 1/16" BRASS, STAINLESS STEEL OR GALVANIZED STEEL SHIMS AT EACH FLANGE TO BRING TRUSS INTO CORRECT CAMBER AND ALIGNMENT.

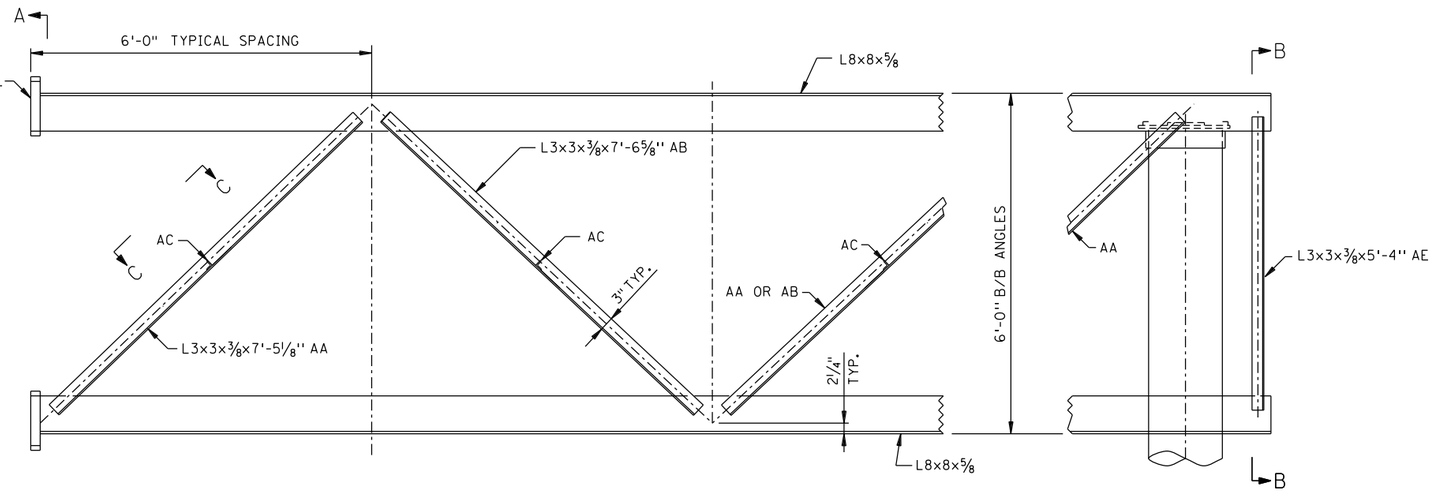
TRUSSES SHALL BE SHOP ASSEMBLED AND MATCH MARKED.

ALL VIEWS OF THE TRUSSES ARE DRAWN FROM THE INSIDE OF THE TRUSS LOOKING OUT.

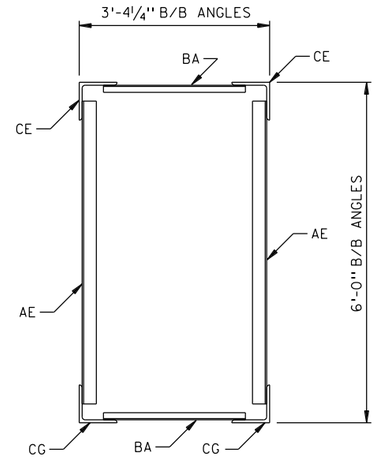
SEE SHEET 8 FOR POST CONNECTION DETAILS.



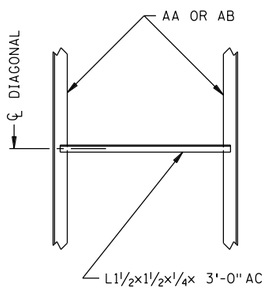
SECTION A-A



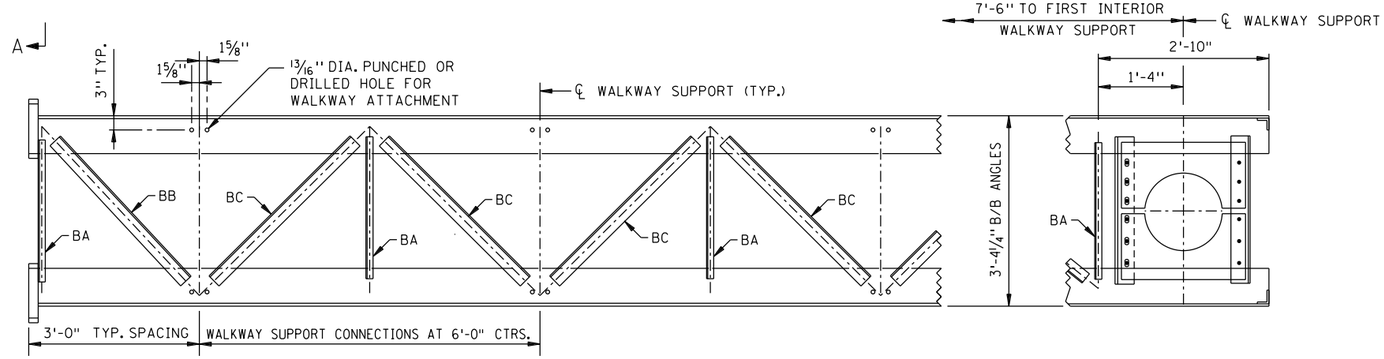
ELEVATION



SECTION B-B



SECTION C-C



BOTTOM VIEW

NOTE:
THE BOTTOM VIEW IS DETAILED TO PROVIDE FOR WALKWAY ATTACHMENT. WHERE THE WALKWAY IS OMITTED, PROVIDE STRUT BA AS INDICATED IN THE TOP VIEW.

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SIGN TRUSS DETAILS

SHEET 4 OF 9

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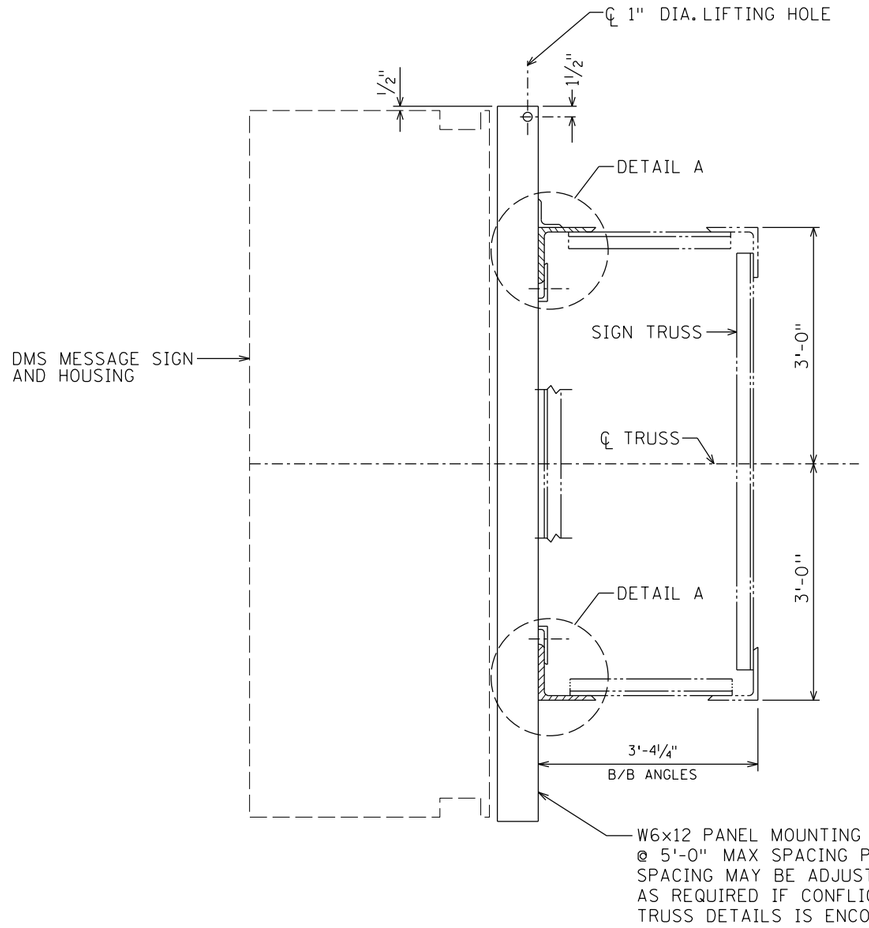
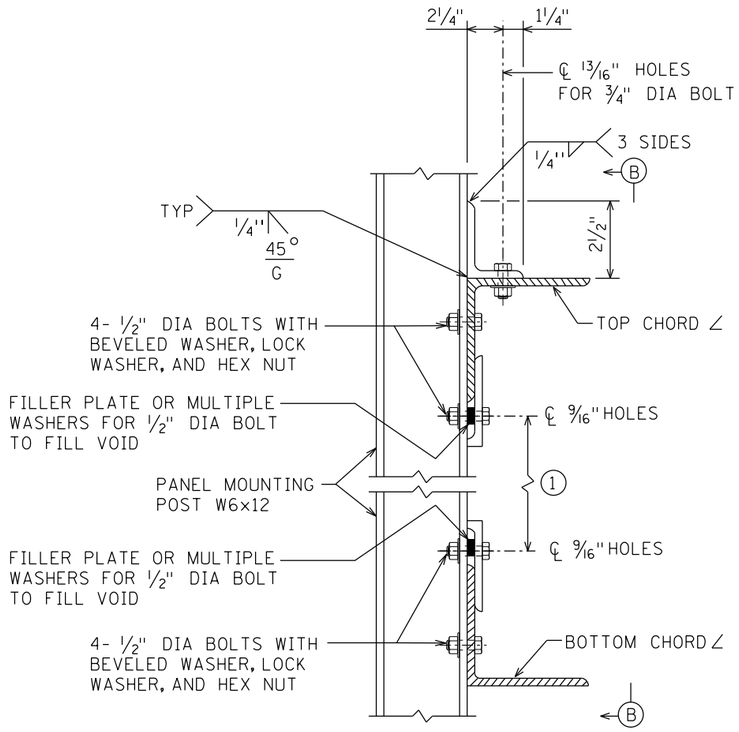
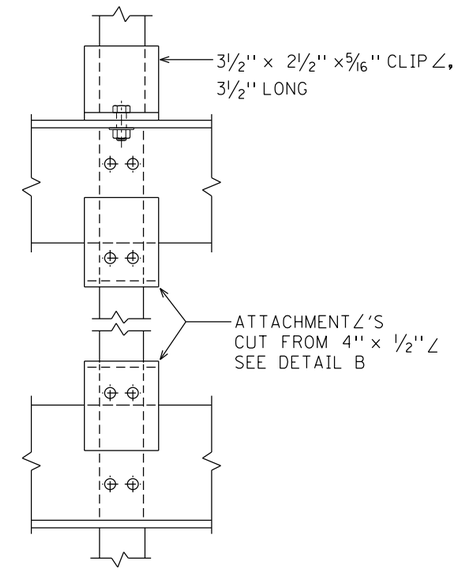


SECTION THRU TRUSS

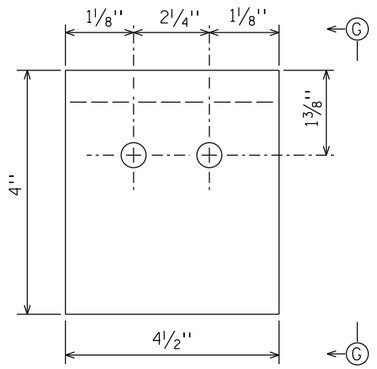


DETAIL A

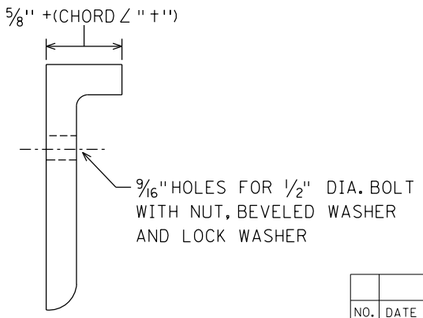


SECTION B-B

NOTES:
(1) (TRUSS DEPTH)-(TOP & BOTTOM CHORD ∠ LEGS)-1 1/4"



DETAIL B



SECTION G-G

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DMS SIGN PANEL MOUNTING DETAILS

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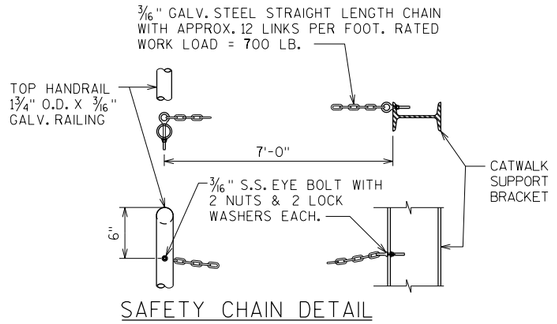
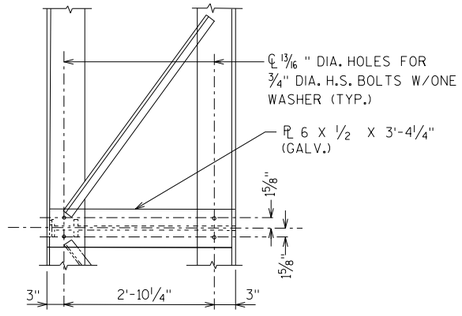
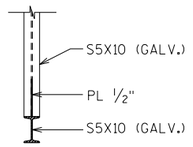


SAFETY CHAIN DETAIL

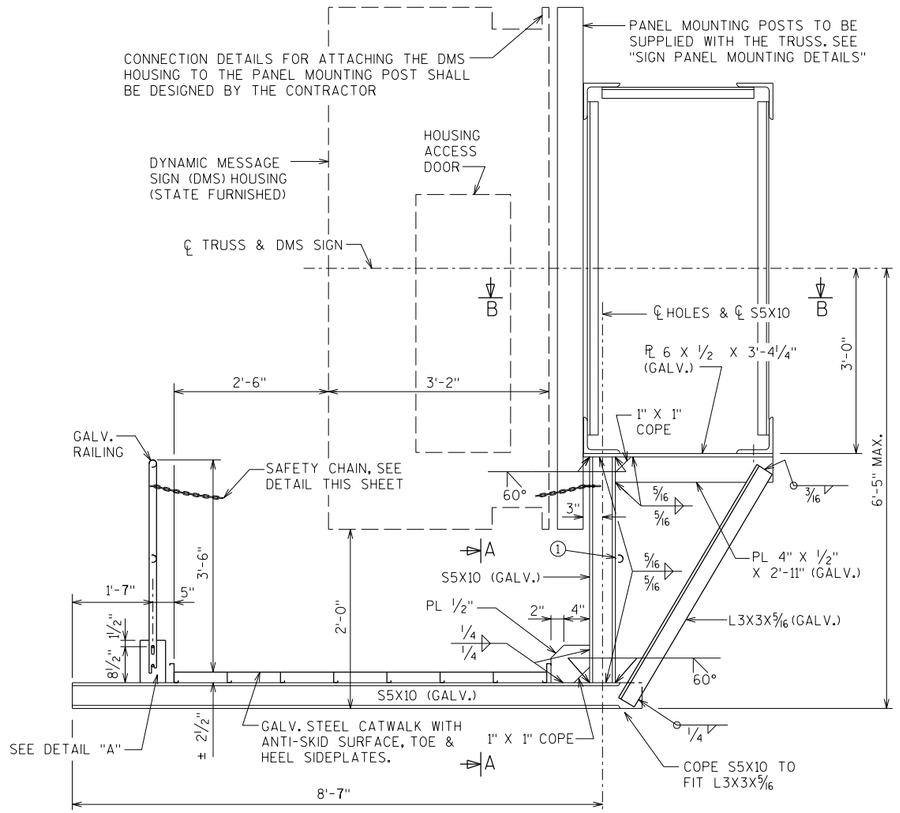


SECTION B-B

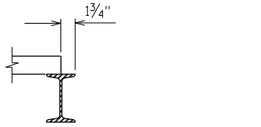


SECTION A-A

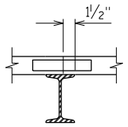
① BACK RAIL 1 3/4" O.D. X 3/16" GALV. RAILING MIN. WITH 3/8" DIA. U-BOLT, WASHERS & LOCKNUTS (GALV.). PLACE BACK RAIL AT SAME HEIGHT AS RAIL ON FRONT RAILING AND RUN LENGTH OF CATWALK.



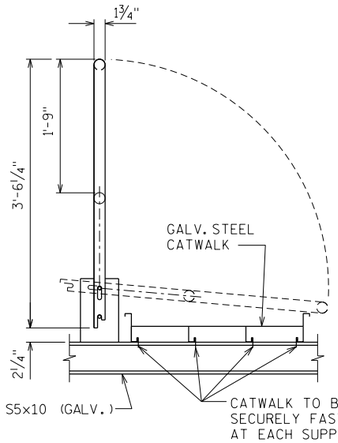
SECTION THRU CATWALK AND BRACKET DETAIL
NOT TO SCALE



CATWALK TERMINATION DETAIL



CATWALK SPLICE LOCATION DETAIL



RAIL POST DETAIL
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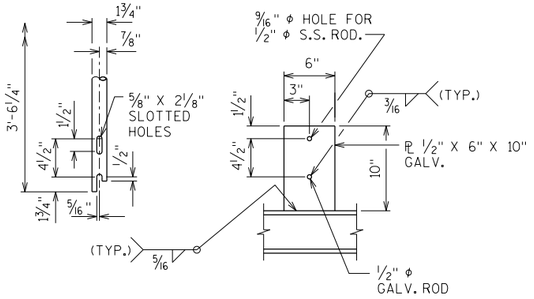
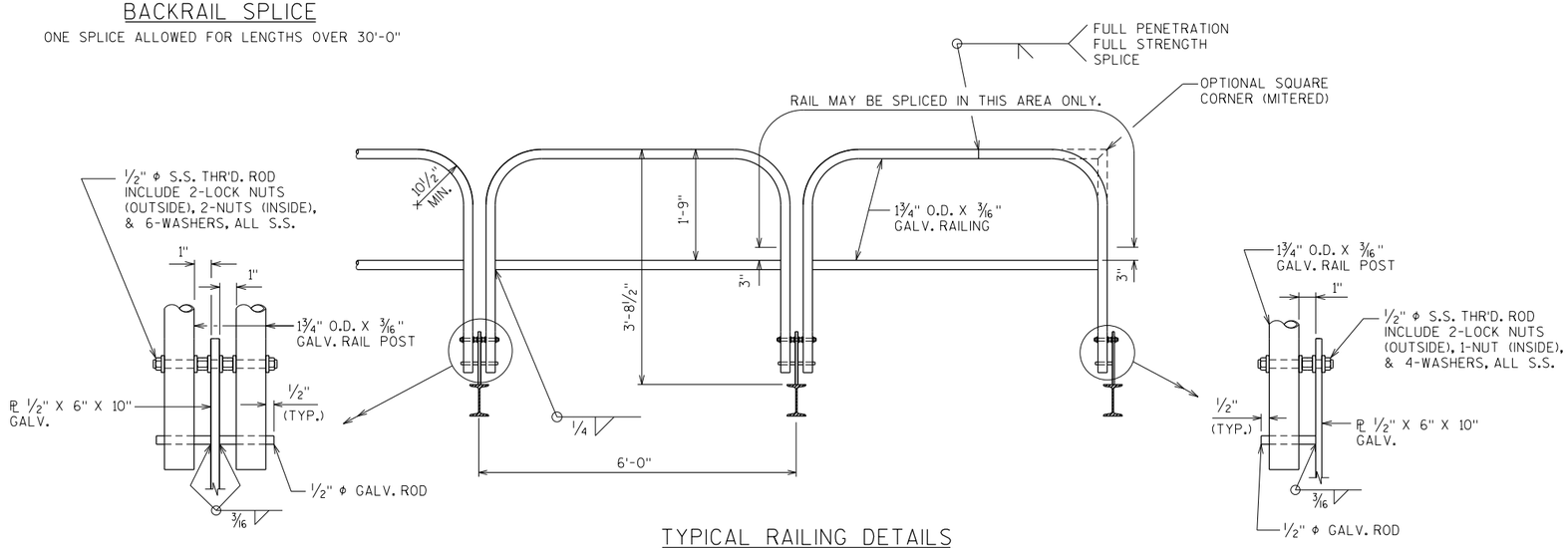


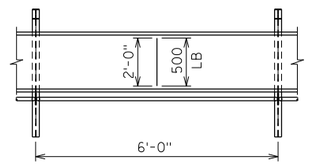
DETAIL "A"

BACKRAIL SPLICE

ONE SPLICE ALLOWED FOR LENGTHS OVER 30'-0"



TYPICAL RAILING DETAILS



NOTE:
CATWALK SHALL MEET AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" 6TH EDITION. (500 LB. DISTRIBUTED OVER 2'-0" TRANSVERSELY WITH THE BASIC ALLOWABLE UNIT STRESS INCREASED 25%). MAX. SPAN IS 8'-0". CATWALK SHALL ALSO MEET THE MOST RECENT ISSUE OF OSHA STD'S FOR WALKING-WORKING SURFACES.

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CATWALK DETAILS

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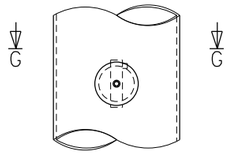
catwalk 1/16

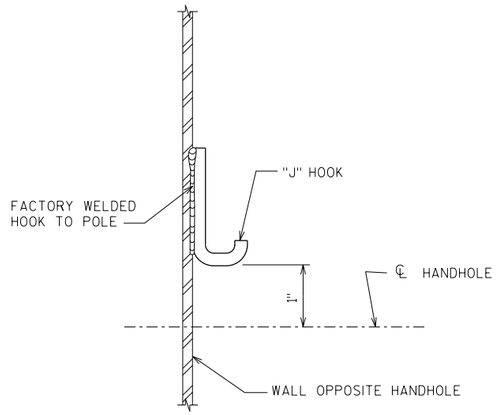


HANDHOLE DETAILS

HANDHOLE NOTES

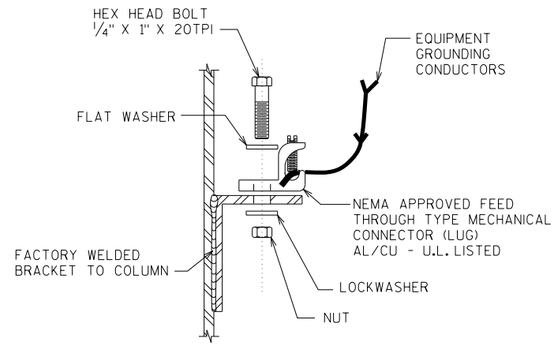
HANDHOLES SHALL BE LOCATED IN THE COLUMN AS DETAILED ON SHEET 8. COLUMNS WITH HANDHOLES SHALL BE NEAR THE ELECTRICAL SERVICE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE ELECTRICAL SERVICE ENTRANCE WITH THE REGION TRAFFIC ENGINEER PRIOR TO FABRICATION OF THE SIGN BRIDGE COLUMNS AND MEMBERS. CONDUIT (AS REQ'D.) SHALL BE LOCATED, PLACED AND SIZED AS SHOWN ON THE ELECTRICAL DETAIL PLAN SHEETS.

UNLESS NOTED OTHERWISE, ALL HANDHOLE ELEMENTS TO BE GALVANIZED PER SECTION 641 OF THE WISDOT STANDARAD SPECIFICTIONS.



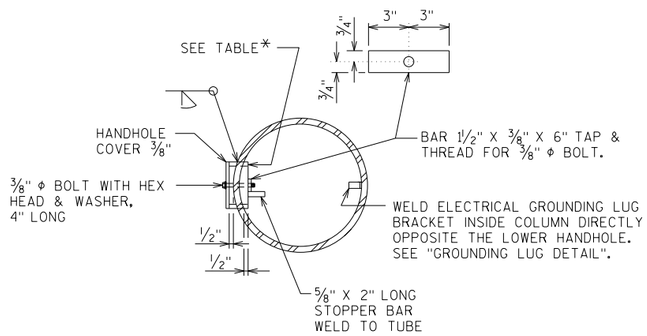
TYPICAL "J" HOOK LOCATION

THE "J" HOOK SHALL BE FACTORY WELDED TO THE INSIDE OF ALL COLUMNS CONTAINING ELECTRICAL WIRING. THE "J" HOOK SHALL BE ATTACHED ABOVE THE CENTERLINE OF THE UPPER HANDHOLE AND MOUNTED DIRECTLY OPPOSITE THE HANDHOLE AS SHOWN IN THE DRAWING.



GROUNDING LUG DETAIL

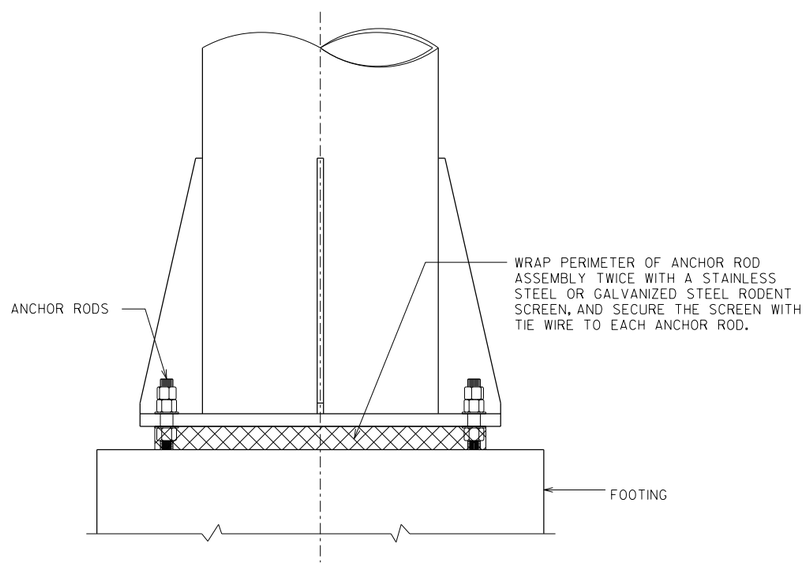
STAINLESS STEEL BOLTS, NUT AND WASHERS



SECTION G-G

*

COLUMN O.D. SIZE	HANDHOLE PIPE O.D. X MIN. THK.
20" X 0.5"	6.625" X 0.562"



RODENT SCREEN

(REQ'D. ONLY WHEN ELECTRICAL DEVICES ARE INSTALLED)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-13-471

DRAWN BY DF | PLANS CK'D. MHD

HANDHOLE DETAILS

SHEET 7 OF 9

540

8

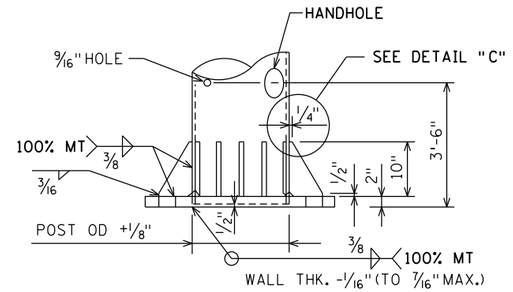
8

PLOT DATE: 5/31/2017 PLOT TIME: 2:22:02 PM

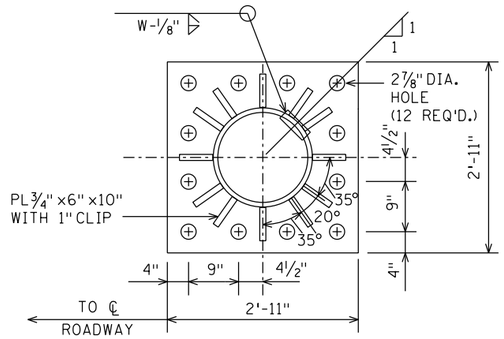
FILE NAME : S:\AE\D\Danel\25226\5-final-dgn\5i-drawings\20-Struct\S-13-471\(7)\sl347handhole.dgn

STATE PROJECT NUMBER

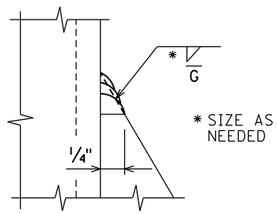
1007-11-71



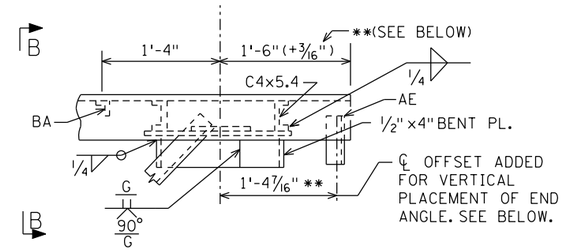
ELEVATION VIEW - BASE PLATE

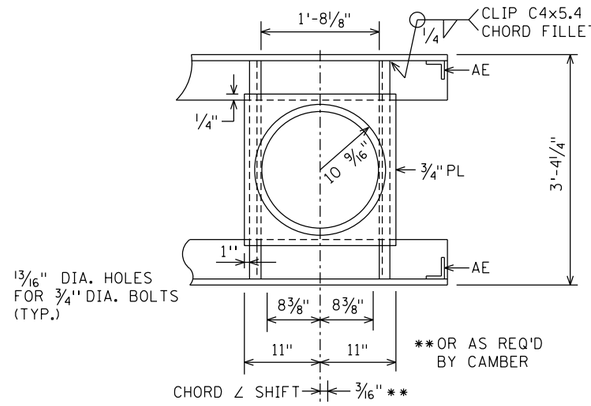


PLAN VIEW - BASE PLATE

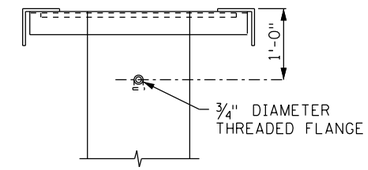


DETAIL "C"

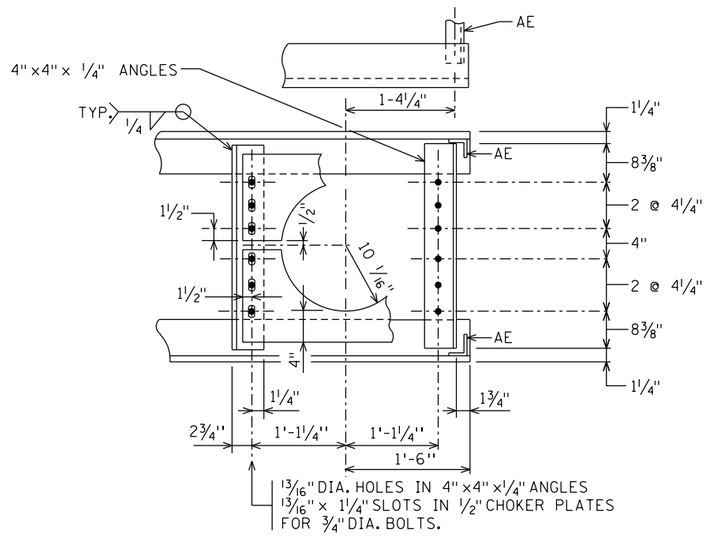




UPPER JUNCTION



VIEW B-B
(TYPE 'E' POSTS)



LOWER JUNCTION

NOTE:
CHOKER PLATES AND HANDHOLE COVERS SHALL BE GALVANIZED SEPARATELY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-13-471

DRAWN BY DF | PLANS CK'D. MHD

TRUSS POST CONNECTION & BASE PLATES

SHEET 8 OF 9

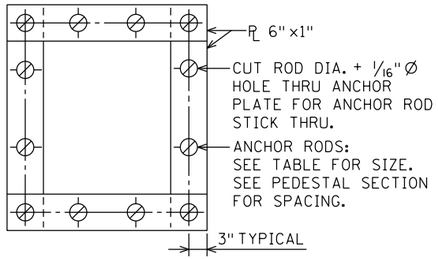
541

8

8

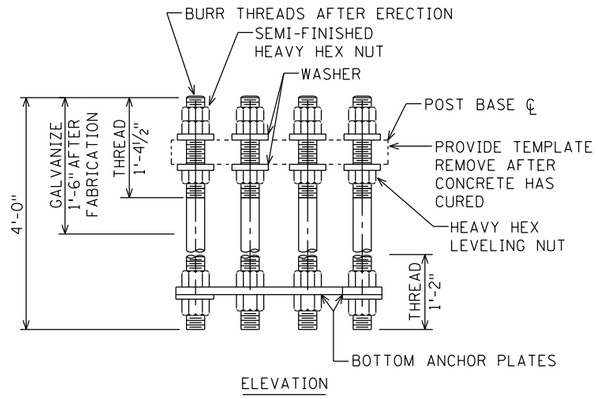
PLOT DATE: 5/31/2017 PLOT TIME: 2:22:02 PM

FILE NAME : S:\AE\D\Donel\25226\5-final-dgn\5i-drawings\20-Struct\S-13-471(7)\si347ist-drawings.dgn



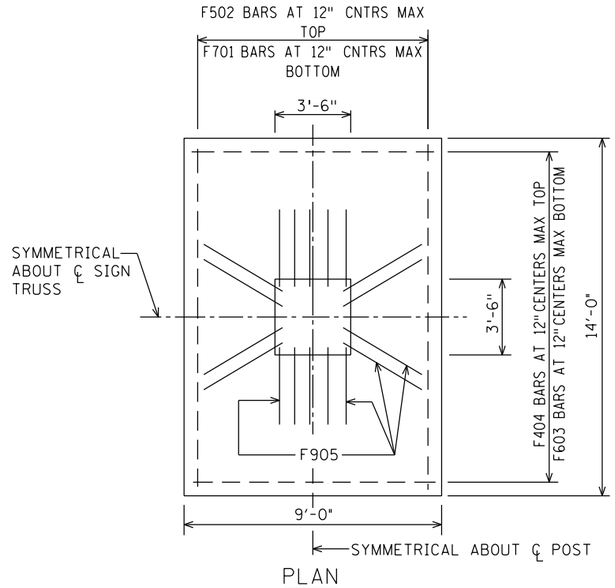
NOTE: ANCHOR PLATES SHOWN TYPICAL FOR ALL ANCHOR ROD SPACING.

ANCHOR PLATE PLAN



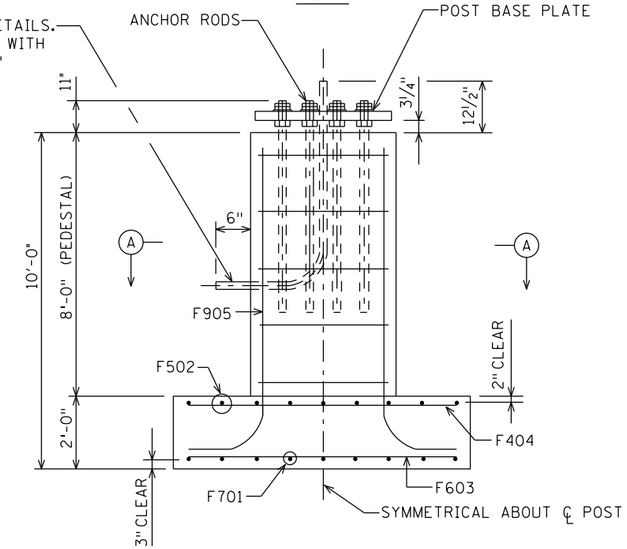
ELEVATION

ANCHOR ROD DETAILS



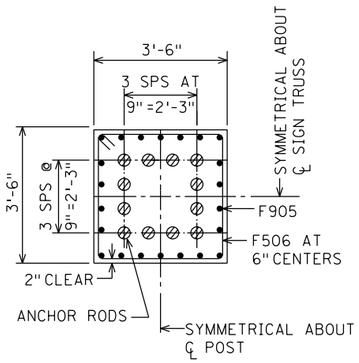
PLAN

SERVICE CONDUIT SEE ELECTRICAL DETAILS. 2" NON-METALLIC CONDUIT INCLUDED WITH "CONCRETE MASONRY SIGN SUPPORTS" (CAP BOTH ENDS), TYP



NOTE:
SEE ELECTRICAL DETAILS FOR STRUCTURE GROUNDING

ELEVATION



SECTION A-A

GENERAL NOTES:

1. SEE THE LAYOUT SHEET FOR FOOTING LOCATIONS. TOP OF PEDESTAL ELEVATIONS AND BOTTOM OF FOOTING ELEVATIONS.
2. ALL BAR DIMENSIONS ARE OUT TO OUT OF BARS.
3. THE FOLLOWING TORQUE VALUES SHALL BE USED WHEN INSTALLING ALL ANCHOR NUTS FOR OVERHEAD SIGN STRUCTURES:

ANCHOR BOLT DIAMETER	TORQUE (FT./LBS.)
2½"	450

THE CONTRACTOR SHALL BURR THE THREADS OF THE ANCHOR BOLTS AFTER TORQUEING NUTS.

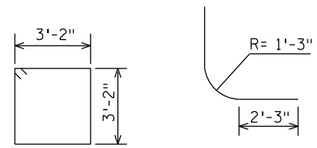
NOTE: THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE ENGLISH BAR DIAMETER SIZE.

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

BILL OF BARS TABLE IS FOR 2 FOOTINGS.

BILL OF BARS — 2 FOOTINGS

BAR MARK	COAT	NO. REQ'D.	LENGTH (FT-IN)	BAR SERIES	BENT	LOCATION
F701	X	20	13 - 6			LONGIT B
F502	X	20	13 - 6			LONGIT T
F603	X	28	8 - 6			TRANS B
F404	X	28	8 - 6			TRANS T
F905	X	40	12 - 6		X	VERT
F506	X	32	14 - 3		X	TIE



F506 F905

BAR BENDING DIAGRAMS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-13-471

DRAWN BY DF | PLANS CK'D. MHD

FOOTINGS AND ANCHOR RODS

SHEET 9 OF 9

542

PLOT TIME: 2:22:02 PM
PLOT DATE: 5/31/2017
FILE NAME : S:\AE\D\Done\I25226\S-final-dgn\S-drawings\20-Struct\S-13-471(7)\s1347fstdrawings.dgn

8

PROJECT ID 1007-11-71
STAGE 1 - NB IH 39

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					Mass Ordinate
			Cut	Fill	EBS (In Cross Sections)	Excavation Marsh (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	
1948+00 AH	194800	0	217.14	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
1949+00	194900	100	180.61	159.01	0.00	0.00	0.00	737	294	0	0	0	737	294	0	0	0	442
1950+00	195000	100	158.68	219.63	0.00	0.00	0.00	628	701	0	0	0	1365	996	0	0	0	369
1951+00	195100	100	155.81	206.44	0.00	0.00	0.00	582	789	0	0	0	1947	1785	0	0	0	163
1952+00	195200	100	159.59	162.26	0.00	0.00	0.00	584	683	0	0	0	2531	2467	0	0	0	64
1953+00	195300	100	157.77	49.12	0.00	0.00	0.00	588	391	0	0	0	3119	2859	0	0	0	260
1954+00	195400	100	210.28	7.68	0.00	0.00	0.00	682	105	0	0	0	3801	2964	0	0	0	837
1955+00	195500	100	275.11	2.40	0.00	0.00	0.00	899	19	0	0	0	4700	2983	0	0	0	1717
1956+00	195600	100	379.29	0.63	0.00	0.00	0.00	1212	6	0	0	0	5911	2988	0	0	0	2923
1957+00	195700	100	389.11	0.40	0.00	0.00	0.00	1423	2	0	0	0	7334	2990	0	0	0	4344
1958+00	195800	100	398.78	1.31	0.00	0.00	0.00	1459	3	0	0	0	8793	2993	0	0	0	5800
1959+00	195900	100	467.92	1.82	0.00	0.00	0.00	1605	6	0	0	0	10398	2999	0	0	0	7399
1960+00	196000	100	513.76	0.00	0.00	0.00	0.00	1818	3	0	0	0	12216	3003	0	0	0	9214
1961+00	196100	100	523.99	0.00	0.00	0.00	0.00	1922	0	0	0	0	14138	3003	0	0	0	11135
1962+00	196200	100	584.54	3.29	0.00	0.00	0.00	2053	6	0	0	0	16191	3009	0	0	0	13182
1963+00	196300	100	700.65	2.86	0.00	0.00	0.00	2380	11	0	0	0	18571	3020	0	0	0	15551
1964+00	196400	100	828.80	3.57	0.00	0.00	0.00	2832	12	0	0	0	21403	3032	0	0	0	18371
1965+00	196500	100	980.90	3.39	0.00	0.00	0.00	3351	13	0	0	0	24754	3045	0	0	0	21710
1966+00	196600	100	1152.40	3.33	0.00	0.00	0.00	3951	12	0	0	0	28705	3057	0	0	0	25648
1967+00	196700	100	1322.15	4.14	0.00	0.00	0.00	4583	14	0	0	0	33288	3071	0	0	0	30216
1968+00	196800	100	1411.39	3.15	0.00	0.00	0.07	5062	14	0	0	0	38350	3085	0	0	0	35265
1969+00	196900	100	1333.92	2.99	0.00	0.00	35.27	5084	11	0	0	65	43434	3096	0	0	66	40338
1970+00	197000	100	1098.97	0.00	0.00	0.00	148.90	4505	6	0	0	341	47939	3102	0	0	407	44837
1971+00	197100	100	1224.29	0.00	0.00	0.00	48.05	4302	0	0	0	365	52241	3102	0	0	771	49140
1972+00	197200	100	1330.20	0.00	0.00	0.00	0.00	4731	0	0	0	0	56972	3102	0	0	771	53870
1973+00	197300	100	1302.42	0.00	0.00	0.00	0.00	4875	0	0	0	0	61847	3102	0	0	771	58745
1974+00	197400	100	1196.93	0.00	0.00	0.00	0.00	4628	0	0	0	0	66475	3102	0	0	771	63374
1975+00	197500	100	1107.29	0.00	0.00	0.00	0.00	4267	0	0	0	0	70743	3102	0	0	771	67641
1976+00	197600	100	911.25	0.00	0.00	0.00	0.00	3738	0	0	0	0	74481	3102	0	0	771	71379
1977+00	197700	100	734.32	0.00	0.00	0.00	0.00	3047	0	0	0	0	77528	3102	0	0	771	74426
1978+00	197800	100	550.22	0.00	0.00	0.00	0.00	2379	0	0	0	0	79907	3102	0	0	771	76805
1979+00	197900	100	360.52	8.08	0.00	0.00	0.00	1687	15	0	0	0	81593	3117	0	0	771	78477
1980+00	198000	100	259.26	45.17	0.00	0.00	0.00	1148	99	0	0	0	82741	3215	0	0	771	79526
1981+00	198100	100	195.62	88.02	0.00	0.00	0.00	842	247	0	0	0	83583	3462	0	0	771	80122
1982+00	198200	100	175.40	148.02	0.00	0.00	0.00	687	437	0	0	0	84270	3899	0	0	771	80372
1983+00	198300	100	151.42	227.33	0.00	0.00	0.00	605	695	0	0	0	84876	4594	0	0	771	80282
1984+00	198400	100	15.39	328.19	0.00	0.00	0.00	309	1029	0	0	0	85185	5623	0	0	771	79562
1984+56	198456	56	28.03	387.02	0.00	0.00	0.00	45	747	0	0	0	85230	6370	0	0	771	78860
1984+91	198491	35	25.40	397.95	0.00	0.00	0.00	34	504	0	0	0	85264	6874	0	0	771	78391
1985+00	198500	9	26.68	408.64	0.00	0.00	0.00	9	133	0	0	0	85273	7007	0	0	771	78266
1985+46	198546	46	43.22	458.51	0.00	0.00	0.00	59	731	0	0	0	85332	7738	0	0	771	77594
1985+71	198571	25	64.12	463.25	0.00	0.00	0.00	50	426	0	0	0	85381	8165	0	0	771	77217
1985+95	198595	25	57.90	441.68	0.00	0.00	0.00	56	419	0	0	0	85438	8583	0	0	771	76855
1986+00	198600	5	58.14	444.43	0.00	0.00	0.00	10	74	0	0	0	85448	8657	0	0	771	76790
1987+00	198700	100	34.77	570.66	0.00	0.00	0.00	172	1880	0	0	0	85620	10537	0	0	771	75083
1988+00	198800	100	45.48	775.69	0.00	0.00	0.00	149	2493	0	0	0	85768	13030	0	0	771	72738
1989+00 BK	198900	100	0.00	182.03	0.00	0.00	0.00	84	1774	0	0	0	85852	14804	0	0	771	71049

CONTINUED ON NEXT PAGE

PROJECT ID 1007-11-71
STAGE 1 - NB IH 39

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					Mass Ordinate
			Cut	Fill	EBS (In Cross Sections)	Excavation Marsh (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	
1990+82 AH	199082	0	16.83	1251.03	0.00	0.00	0.00	0	0	0	0	0	85852	14804	0	0	771	71049
1991+00	199100	18	15.80	1075.42	0.00	0.00	0.00	11	776	0	0	0	85863	15580	0	0	771	70284
1992+00	199200	100	12.97	1179.93	0.00	0.00	0.00	53	4177	0	0	0	85917	19756	0	0	771	66160
1992+29	199229	29	18.23	1189.35	0.00	0.00	0.00	17	1271	0	0	0	85933	21027	0	0	771	64906
1993+00	199300	71	71.52	1023.82	0.00	0.00	0.00	118	2911	0	0	0	86051	23938	0	0	771	62113
1994+00	199400	100	15.53	988.26	0.00	0.00	0.00	161	3726	0	0	0	86213	27664	0	0	771	58548
1995+00	199500	100	9.86	764.59	0.00	0.00	0.00	47	3246	0	0	0	86260	30911	0	0	771	55349
1996+00	199600	100	10.47	491.88	0.00	0.00	0.00	38	2327	0	0	0	86297	33237	0	0	771	53060
1997+00	199700	100	68.13	324.67	0.00	0.00	0.00	146	1512	0	0	0	86443	34749	0	0	771	51693
1998+00	199800	100	263.13	299.00	0.00	0.00	0.00	613	1155	0	0	0	87056	35904	0	0	771	51152
1999+00	199900	100	317.24	280.57	0.00	0.00	0.00	1075	1073	0	0	0	88131	36978	0	0	771	51153
2000+00	200000	100	435.06	270.65	0.00	0.00	0.00	1393	1021	0	0	0	89524	37998	0	0	771	51526
2001+00	200100	100	478.55	282.77	0.00	0.00	0.00	1692	1025	0	0	0	91216	39023	0	0	771	52193
2002+00	200200	100	347.65	291.22	0.00	0.00	0.00	1530	1063	0	0	0	92746	40086	0	0	771	52660
2003+00	200300	100	236.39	292.70	0.00	0.00	0.00	1082	1081	0	0	0	93828	41168	0	0	771	52660
2004+00	200400	100	102.71	280.47	0.00	0.00	0.00	628	1061	0	0	0	94456	42229	0	0	771	52227
2005+00	200500	100	7.65	312.11	0.00	0.00	0.00	204	1097	0	0	0	94660	43326	0	0	771	51334
2006+00	200600	100	20.26	409.76	0.00	0.00	0.00	52	1337	0	0	0	94712	44663	0	0	771	50048
2007+00	200700	100	20.60	442.35	0.00	0.00	0.00	76	1578	0	0	0	94787	46241	0	0	771	48546
2008+00	200800	100	7.52	422.01	0.00	0.00	0.00	52	1601	0	0	0	94839	47842	0	0	771	46998
2008+30	200830	30	8.82	404.33	0.00	0.00	0.00	9	459	0	0	0	94848	48301	0	0	771	46548
2009+00	200900	70	2.83	360.35	0.00	0.00	0.00	15	991	0	0	0	94864	49292	0	0	771	45571
2010+00	201000	100	11.39	320.97	0.00	0.00	0.00	26	1262	0	0	0	94890	50554	0	0	771	44336
2011+00	201100	100	32.03	257.05	0.00	0.00	0.00	80	1070	0	0	0	94970	51624	0	0	771	43346
2012+00	201200	100	58.08	218.16	0.00	0.00	0.00	167	880	0	0	0	95137	52504	0	0	771	42633
2013+00	201300	100	82.55	176.58	0.00	0.00	0.00	260	731	0	0	0	95398	53235	0	0	771	42162
2014+00	201400	100	111.90	134.52	0.00	0.00	0.00	360	576	0	0	0	95758	53811	0	0	771	41946
2015+00	201500	100	144.41	86.62	0.00	0.00	0.00	475	410	0	0	0	96232	54221	0	0	771	42011
2016+00	201600	100	173.74	87.86	0.00	0.00	0.00	589	323	0	0	0	96821	54544	0	0	771	42277
2017+00	201700	100	211.99	75.86	0.00	0.00	0.00	714	303	0	0	0	97536	54847	0	0	771	42689
2018+00	201800	100	255.01	88.45	0.00	0.00	0.00	865	304	0	0	0	98401	55151	0	0	771	43249
2018+94	201894	94	290.61	104.65	0.00	0.00	0.00	954	337	0	0	0	99354	55489	0	0	771	43865
2019+00	201900	6	292.05	91.17	0.00	0.00	0.00	61	20	0	0	0	99415	55509	0	0	771	43906
2020+00	202000	100	331.84	62.72	0.00	0.00	0.00	1155	285	0	0	0	100570	55794	0	0	771	44776
2021+00	202100	100	381.69	24.81	0.00	0.00	0.00	1321	162	0	0	0	101892	55956	0	0	771	45935
2022+00	202200	100	432.71	9.49	0.00	0.00	0.00	1508	64	0	0	0	103400	56020	0	0	771	47380
2023+00	202300	100	532.38	0.00	0.00	0.00	0.00	1787	18	0	0	0	105187	56038	0	0	771	49149
2024+00	202400	100	328.50	0.00	0.00	0.00	308.67	1594	0	0	0	572	106781	56038	0	0	1343	50744
2025+00	202500	100	339.53	0.00	0.00	0.00	422.61	1237	0	0	0	1354	108018	56038	0	0	2697	51981
2026+00	202600	100	533.88	0.00	0.00	0.00	398.88	1617	0	0	0	1521	109636	56038	0	0	4218	53598
2027+00	202700	100	614.96	0.00	0.00	0.00	482.62	2127	0	0	0	1632	111763	56038	0	0	5851	55726
2028+00	202800	100	858.08	4.02	0.00	0.00	440.79	2728	7	0	0	1710	114491	56045	0	0	7561	58446
2029+00	202900	100	998.04	4.42	0.00	0.00	444.07	3437	16	0	0	1639	117928	56061	0	0	9200	61868
2030+00	203000	100	802.01	4.14	0.00	0.00	690.79	3333	16	0	0	2102	121262	56076	0	0	11301	65185
2031+00	203100	100	983.37	4.32	0.00	0.00	467.03	3306	16	0	0	2144	124568	56092	0	0	13445	68476
2032+00	203200	100	938.83	0.00	0.00	0.00	257.50	3560	8	0	0	1342	128128	56100	0	0	14787	72027
2033+00	203300	100	767.02	0.00	0.00	0.00	122.38	3159	0	0	0	703	131287	56100	0	0	15490	75186
2034+00	203400	100	490.72	0.00	0.00	0.00	45.07	2329	0	0	0	310	133616	56100	0	0	15801	77516
2035+00	203500	100	391.45	0.71	0.00	0.00	0.00	1634	1	0	0	83	135249	56101	0	0	15884	79148
2036+00	203600	100	242.18	5.68	0.00	0.00	0.00	1173	12	0	0	0	136423	56113	0	0	15884	80309
2037+00	203700	100	177.05	21.92	0.00	0.00	0.00	776	51	0	0	0	137199	56164	0	0	15884	81035
2038+00	203800	100	93.06	33.97	0.00	0.00	0.00	500	104	0	0	0	137699	56268	0	0	15884	81431
2039+00	203900	100	63.75	78.43	0.00	0.00	0.00	290	208	0	0	0	137990	56476	0	0	15884	81514
2040+00	204000	100	43.84	167.04	0.00	0.00	0.00	199	455	0	0	0	138189	56931	0	0	15884	81258
2041+00	204100	100	37.59	135.31	0.00	0.00	0.00	151	560	0	0	0	138340	57490	0	0	15884	80849
2042+00	204200	100	38.80	101.48	0.00	0.00	0.00	141	439	0	0	0	138481	57929	0	0	15884	80552
2043+00	204300	100	56.54	79.08	0.00	0.00	0.00	177	334	0	0	0	138658	58263	0	0	15884	80394
2043+64	204364	64	58.98	47.16	0.00	0.00	0.00	138	151	0	0	0	138796	58414	0	0	15884	80382
2044+00	204400	36	39.27	111.11	0.00	0.00	0.00	65	104	0	0	0	138860	58518	0	0	15884	80342
2045+00	204500	100	48.94	111.55	0.00	0.00	0.00	163	412	0	0	0	139024	58931	0	0	15884	80093
2046+00	204600	100	79.22	112.01	0.00	0.00	0.00	237	414	0	0	0	139261	59345	0	0	15884	79916
2047+00	204700	100	123.11	132.60	0.00	0.00	0.00	375	453	0	0	0	139636	59798	0	0	15884	79838
2048+00	204800	100	208.88	138.62	0.00	0.00	0.00	615	502	0	0	0	140250	60300	0	0	15884	79951

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STATION		Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					Mass Ordinate
				Cut	Fill	EBS (In Cross Sections)	Excavation Marsh (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	
2048+88		204888	88	156.91	156.51	0.00	0.00	0.00	595	480	0	0	0	140846	60780	0	0	15884	80066
2049+00		204900	12	154.70	160.32	0.00	0.00	0.00	70	71	0	0	0	140916	60851	0	0	15884	80064
2049+13		204913	13	147.51	167.24	0.00	0.00	0.00	72	78	0	0	0	140988	60929	0	0	15884	80058
2049+13		204913	0	149.62	165.43	0.00	0.00	0.00	2	2	0	0	0	140990	60931	0	0	15884	80058
2049+38		204938	25	145.49	167.74	0.00	0.00	0.00	135	152	0	0	0	141124	61083	0	0	15884	80041
2049+38		204938	0	139.89	175.24	0.00	0.00	0.00	2	2	0	0	0	141126	61086	0	0	15884	80040
2049+63		204963	25	140.77	181.06	0.00	0.00	0.00	130	165	0	0	0	141256	61250	0	0	15884	80005
2050+00		205000	37	125.97	195.46	0.00	0.00	0.00	182	257	0	0	0	141438	61507	0	0	15884	79931
2051+00		205100	100	0.00	318.21	0.00	0.00	0.00	233	951	0	0	0	141671	62458	0	0	15884	79213
2052+00		205200	100	0.00	492.37	0.00	0.00	0.00	0	1501	0	0	0	141671	63959	0	0	15884	77712
2052+31	BK	205231	31	0.00	1036.76	0.00	0.00	0.00	0	888	0	0	0	141671	64848	0	0	15884	76823
2054+30	AH	205430	0	0.00	361.75	0.00	0.00	0.00	0	0	0	0	0	141671	64848	0	0	15884	76823
2054+50		205450	20	0.00	342.67	0.00	0.00	0.00	0	266	0	0	0	141671	65113	0	0	15884	76558
2054+77		205477	27	40.09	315.90	0.00	0.00	0.00	20	331	0	0	0	141691	65444	0	0	15884	76247
2055+00		205500	23	36.62	423.49	0.00	0.00	0.00	33	314	0	0	0	141724	65757	0	0	15884	75966
2055+37		205537	37	16.64	662.38	0.00	0.00	0.00	37	746	0	0	0	141760	66503	0	0	15884	75257
2056+00		205600	63	0.00	615.63	0.00	0.00	0.00	19	1489	0	0	0	141780	67992	0	0	15884	73788
2057+00		205700	100	0.00	508.39	0.00	0.00	0.00	0	2082	0	0	0	141780	70074	0	0	15884	71706
2058+00		205800	100	0.60	317.07	0.00	0.00	0.00	1	1529	0	0	0	141781	71602	0	0	15884	70178
2059+00		205900	100	10.08	319.07	26.04	0.00	0.00	20	1178	48	0	0	141801	72780	48	0	15884	69020
2060+00		206000	100	22.48	361.40	19.90	0.00	0.00	60	1260	85	0	0	141861	74040	133	0	15884	67820
2061+00		206100	100	37.13	303.78	17.74	0.00	0.00	110	1232	70	0	0	141971	75272	203	0	15884	66699
2061+92		206192	92	54.01	299.78	0.00	0.00	0.00	155	1028	30	0	0	142127	76301	233	0	15884	65826
2062+00		206200	8	55.04	280.05	0.00	0.00	0.00	16	86	0	0	0	142143	76386	233	0	15884	65756
2062+80		206280	80	80.13	152.35	0.00	0.00	0.00	200	641	0	0	0	142343	77027	233	0	15884	65316
2063+00		206300	20	81.85	99.56	0.00	0.00	0.00	60	93	0	0	0	142403	77120	233	0	15884	65283
2064+00		206400	100	149.58	30.76	0.00	0.00	0.00	429	241	0	0	0	142832	77362	233	0	15884	65470
2065+00		206500	100	268.26	16.57	0.00	0.00	0.00	774	88	0	0	0	143605	77449	233	0	15884	66156
2066+00		206600	100	318.00	16.85	0.00	0.00	0.00	1086	62	0	0	0	144691	77511	233	0	15884	67180
2067+00		206700	100	394.19	14.99	0.00	0.00	0.00	1319	59	0	0	0	146010	77570	233	0	15884	68440
2068+00		206800	100	436.81	14.13	0.00	0.00	0.00	1539	54	0	0	0	147549	77624	233	0	15884	69925
2069+00		206900	100	460.42	11.14	0.00	0.00	0.00	1662	47	0	0	0	149210	77671	233	0	15884	71539
2069+50		206950	50	410.83	15.46	0.00	0.00	0.00	807	25	0	0	0	150017	77696	233	0	15884	72321
2070+00		207000	50	387.40	16.72	0.00	0.00	0.00	739	30	0	0	0	150756	77725	233	0	15884	73031
2071+00		207100	100	439.50	11.90	0.00	0.00	0.00	1531	53	0	0	0	152287	77778	233	0	15884	74509
2072+00		207200	100	408.09	12.95	0.00	0.00	0.00	1570	46	0	0	0	153857	77824	233	0	15884	76033
2073+00		207300	100	419.79	14.84	0.00	0.00	0.00	1533	51	0	0	0	155390	77876	233	0	15884	77514
2074+00		207400	100	441.19	8.88	0.00	0.00	0.00	1594	44	0	0	0	156984	77920	233	0	15884	79065
2075+00		207500	100	490.86	14.49	0.00	0.00	0.00	1726	43	0	0	0	158711	77963	233	0	15884	80747
2076+00		207600	100	409.57	17.04	0.00	0.00	0.00	1667	58	0	0	0	160378	78021	233	0	15884	82357
2077+00		207700	100	226.81	16.03	0.00	0.00	0.00	1178	61	0	0	0	161556	78083	233	0	15884	83474
2078+00		207800	100	179.18	80.76	0.00	0.00	0.00	752	179	0	0	0	162308	78262	233	0	15884	84046
2079+00		207900	100	174.35	106.95	0.00	0.00	0.00	655	348	0	0	0	162963	78610	233	0	15884	84353
2080+00		208000	100	171.90	112.67	0.00	0.00	0.00	641	407	0	0	0	163604	79016	233	0	15884	84588
2081+00		208100	100	169.94	132.42	0.00	0.00	0.00	633	454	0	0	0	164237	79470	233	0	15884	84767
2082+00		208200	100	171.14	124.17	0.00	0.00	0.00	632	475	0	0	0	164869	79945	233	0	15884	84924
2083+00		208300	100	170.66	121.40	0.00	0.00	0.00	633	455	0	0	0	165502	80400	233	0	15884	85102
2084+00		208400	100	168.72	114.44	0.00	0.00	0.00	628	437	0	0	0	166130	80837	233	0	15884	85294
2085+00		208500	100	175.13	94.32	0.00	0.00	0.00	637	387	0	0	0	166767	81223	233	0	15884	85544
2086+00		208600	100	166.45	80.17	0.00	0.00	0.00	633	323	0	0	0	167400	81546	233	0	15884	85853
2087+00		208700	100	160.08	60.84	0.00	0.00	0.00	605	261	0	0	0	168004	81808	233	0	15884	86197
2088+00		208800	100	159.98	49.61	0.00	0.00	0.00	593	205	0	0	0	168597	82012	233	0	15884	86585
2089+00		208900	100	159.52	18.93	0.00	0.00	0.00	592	127	0	0	0	169189	82139	233	0	15884	87050
2090+00		209000	100	158.91	17.17	0.00	0.00	0.00	590	67	0	0	0	169778	82206	233	0	15884	87572
2091+00		209100	100	147.08	22.19	0.00	0.00	0.00	567	73	0	0	0	170345	82279	233	0	15884	88066
2092+00		209200	100	131.91	82.66	0.00	0.00	0.00	517	194	0	0	0	170862	82473	233	0	15884	88389
2092+81		209281	81	128.03	135.68	0.00	0.00	0.00	389	326	0	0	0	171250	82799	233	0	15884	88451
2093+00		209300	19	121.09	120.55	0.00	0.00	0.00	89	91	0	0	0	171339	82891	233	0	15884	88448
2093+41		209341	41	115.44	87.42	0.00	0.00	0.00	178	156	0	0	0	171517	83047	233	0	15884	88470
2094+00		209400	59	127.12	60.22	0.00	0.00	0.00	267	162	0	0	0	171784	83210	233	0	15884	88574
2094+50		209450	50	184.57	41.00	0.00	0.00	0.00	289	94	0	0	0	172072	83303	233	0	15884	88769
2095+00		209500	50	136.76	32.15	0.00	0.00	0.00	298	68	0	0	0	172370	83371	233	0	15884	88999
2096+00		209600	100	229.35	25.64	0.00	0.00	0.00	678	107	0	0	0	173048	83478	233	0	15884	89570

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STAGE 1 - NB IH 39

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					Mass Ordinate
			Cut	Fill	EBS (In Cross Sections)	Excavation Marsh (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	
2097+00	209700	100	251.31	23.25	0.00	0.00	0.00	890	91	0	0	0	173938	83569	233	0	15884	90369
2098+00	209800	100	228.40	23.46	0.00	0.00	0.00	888	87	0	0	0	174826	83655	233	0	15884	91171
2099+00	209900	100	231.86	30.23	0.00	0.00	0.00	852	99	0	0	0	175679	83755	233	0	15884	91924
2100+00	210000	100	338.68	26.15	0.00	0.00	0.00	1057	104	0	0	0	176735	83859	233	0	15884	92876
2101+00	210100	100	500.15	32.81	0.00	0.00	0.00	1553	109	0	0	0	178289	83968	233	0	15884	94321
2102+00	210200	100	767.62	38.86	0.00	0.00	0.00	2348	133	0	0	0	180636	84101	233	0	15884	96536
2103+00	210300	100	1012.71	41.91	0.00	0.00	0.00	3297	150	0	0	0	183933	84250	233	0	15884	99683
2104+00	210400	100	991.12	46.90	0.00	0.00	0.00	3711	164	0	0	0	187644	84415	233	0	15884	103229
2105+00	210500	100	628.09	70.36	0.00	0.00	0.00	2999	217	0	0	0	190643	84632	233	0	15884	106011
2106+00	210600	100	315.23	110.62	0.00	0.00	0.00	1747	335	0	0	0	192390	84967	233	0	15884	107422
2107+00	210700	100	66.15	290.26	0.00	0.00	0.00	706	742	0	0	0	193096	85710	233	0	15884	107386
2108+00	210800	100	83.06	592.89	0.00	0.00	0.00	276	1635	0	0	0	193372	87345	233	0	15884	106027
2109+00	210900	100	59.00	828.62	0.00	0.00	0.00	263	2632	0	0	0	193635	89977	233	0	15884	103658
2110+00	211000	100	42.83	919.68	0.00	0.00	0.00	189	3238	0	0	0	193824	93215	233	0	15884	100609
2111+00	211100	100	33.17	930.36	0.00	0.00	0.00	141	3426	0	0	0	193964	96641	233	0	15884	97323
2112+00	211200	100	118.39	813.53	0.00	0.00	0.00	281	3229	0	0	0	194245	99870	233	0	15884	94375
2113+00	211300	100	45.40	972.02	0.00	522.60	0.00	303	3307	0	968	0	194548	103177	233	968	15884	91371
2113+03	211303	3	42.73	984.84	0.00	218.06	0.00	5	121	0	46	0	194554	103298	233	1014	15884	91256
2113+28	211328	25	37.28	1023.76	0.00	260.16	0.00	37	923	0	220	0	194591	104220	233	1233	15884	90370
2113+53	211353	25	34.08	1072.14	0.00	278.04	0.00	33	963	0	247	0	194623	105183	233	1480	15884	89440
2113+79	211379	27	16.19	1150.27	0.00	301.45	0.00	25	1092	0	285	0	194648	106275	233	1765	15884	88373
2113+88	211388	8	14.04	1170.48	0.00	304.55	0.00	5	358	0	93	0	194653	106633	233	1859	15884	88020
2114+00	211400	12	7.90	1166.30	0.00	300.54	0.00	5	528	0	137	0	194658	107161	233	1995	15884	87497
2114+49	211449	49	6.18	1077.60	0.00	297.64	0.00	13	2055	0	548	0	194671	109216	233	2543	15884	85455
2114+75	211475	25	3.28	1084.53	0.00	290.18	0.00	4	1004	0	273	0	194675	110219	233	2816	15884	84456
2115+00	211500	25	2.65	1076.23	0.00	289.59	0.00	3	1020	0	274	0	194678	111239	233	3090	15884	83439
2116+00	211600	100	0.00	1092.40	0.00	221.64	0.00	5	4016	0	947	0	194683	115255	233	4036	15884	79428
2116+37 BK	211637	37	0.00	602.93	0.00	0.00	0.00	0	1146	0	150	0	194683	116401	233	4186	15884	78282
2118+36 AH	211836	0	0.00	2008.64	0.00	0.00	0.00	0	0	0	0	0	194683	116401	233	4186	15884	78282
2119+00	211900	64	0.00	1096.35	0.00	0.00	0.00	0	3701	0	0	0	194683	120102	233	4186	15884	74581
2120+00	212000	100	0.00	1153.84	0.00	0.03	0.00	0	4167	0	0	0	194683	124269	233	4186	15884	70414
2121+00	212100	100	0.00	1060.35	0.00	0.48	0.00	0	4100	0	1	0	194683	128369	233	4187	15884	66313
2122+00	212200	100	0.00	1047.44	0.00	55.75	0.00	0	3903	0	104	0	194683	132273	233	4291	15884	62410
2123+00	212300	100	3.29	1067.51	0.00	55.21	0.00	6	3917	0	205	0	194689	136189	233	4497	15884	58500
2124+00	212400	100	35.40	1178.65	0.00	63.85	0.00	72	4160	0	220	0	194760	140349	233	4717	15884	54412
2125+00	212500	100	60.28	922.02	0.00	138.06	0.00	177	3890	0	374	0	194938	144239	233	5091	15884	50699
2126+00	212600	100	53.09	875.38	0.00	72.15	0.00	210	3329	0	389	0	195148	147567	233	5480	15884	47580
2127+00	212700	100	101.51	743.94	0.00	81.58	0.00	286	2999	0	285	0	195434	150566	233	5765	15884	44868
2128+00	212800	100	89.35	787.67	0.00	112.10	0.00	353	2836	0	359	0	195787	153402	233	6124	15884	42385
2129+00	212900	100	114.89	766.39	0.00	81.85	0.00	378	2878	0	359	0	196166	156280	233	6483	15884	39885
2130+00	213000	100	131.72	822.59	0.00	0.00	0.00	457	2943	0	152	0	196622	159223	233	6634	15884	37399
2131+00	213100	100	138.09	915.18	0.00	0.00	0.00	500	3218	0	0	0	197122	162441	233	6634	15884	34681
2132+00	213200	100	134.97	970.98	0.00	0.00	0.00	506	3493	0	0	0	197628	165934	233	6634	15884	31694
2133+00	213300	100	158.33	887.56	0.00	0.00	0.00	543	3442	0	0	0	198171	169376	233	6634	15884	28795
2134+00	213400	100	186.33	861.03	0.00	0.00	0.00	638	3238	0	0	0	198809	172614	233	6634	15884	26195
2135+00	213500	100	227.33	663.46	0.00	0.00	0.00	766	2823	0	0	0	199575	175437	233	6634	15884	24138
2136+00	213600	100	254.70	558.43	0.00	0.00	0.00	893	2263	0	0	0	200468	177700	233	6634	15884	22768
2137+00	213700	100	313.78	379.40	0.00	0.00	0.00	1053	1737	0	0	0	201520	179436	233	6634	15884	22084
2138+00	213800	100	360.23	13.04	0.00	0.00	0.00	1248	727	0	0	0	202769	180163	233	6634	15884	22605
2139+00	213900	100	484.33	0.00	0.00	0.00	0.00	1564	24	0	0	0	204333	180187	233	6634	15884	24145
2140+00	214000	100	416.59	0.00	0.00	0.00	84.14	1668	0	0	0	156	206001	180187	233	6634	16040	25814
2141+00	214100	100	400.65	0.00	0.00	0.00	412.83	1513	0	0	0	920	207514	180187	233	6634	16960	27327
2142+00	214200	100	397.15	0.00	0.00	0.00	551.39	1477	0	0	0	1786	208992	180187	233	6634	18746	28804
2143+00	214300	100	670.78	0.00	0.00	0.00	421.79	1978	0	0	0	1802	210969	180187	233	6634	20548	30782
2144+00	214400	100	808.51	0.00	0.00	0.00	327.66	2739	0	0	0	1388	213709	180187	233	6634	21936	33522
2145+00	214500	100	487.80	0.00	0.00	0.00	625.58	2401	0	0	0	1765	216109	180187	233	6634	23701	35922
2146+00	214600	100	505.39	0.00	0.00	0.00	424.76	1839	0	0	0	1945	217949	180187	233	6634	25646	37761
2147+00	214700	100	615.65	0.00	0.00	0.00	166.66	2076	0	0	0	1095	220025	180187	233	6634	26741	39837
2148+00	214800	100	581.31	0.00	0.00	0.00	20.29	2217	0	0	0	346	222241	180187	233	6634	27087	42054
2149+00	214900	100	494.80	0.00	0.00	0.00	14.00	1993	0	0	0	64	224234	180187	233	6634	27151	44047
2150+00	215000	100	420.51	0.00	0.00	0.00	0.00	1695	0	0	0	26	225929	180187	233	6634	27177	45742
2151+00	215100	100	307.58	0.34	0.00	0.00	0.00	1348	1	0	0	0	227277	180188	233	6634	27177	47089
2151+40	215140	40	333.76	1.36	0.00	0.00	0.00	475	1	0	0	0	227752	180189	233	6634	27177	47563
2152+00	215200	60	319.37	5.86	0.00	0.00	0.00	726	8	0	0	0	228478	180197	233	6634	27177	48281
2152+44	215244	44	264.35	8.19	0.00	0.00	0.00	478	12	0	0	0	228956	180209	233	6634	27177	48747
2152+76	215276	32	233.06	8.74	0.00	0.00	0.00	295	10	0	0	0	229251	180219	233	6634	27177	49032
2153+00	215300	24	200.33	3.76	0.00	0.00	0.00	191	5	0	0	0	229442	180224	233	6634	27177	49218

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PROJECT ID 1007-11-71
STAGE 1 - NB IH 39

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					Mass Ordinate
			Cut	Fill	EBS (In Cross Sections)	Excavation Marsh (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	
2154+00	215400	100	234.07	0.19	0.00	0.00	0.00	804	7	0	0	0	230246	180232	233	6634	27177	50015
2155+00	215500	100	190.82	29.62	0.00	0.00	0.00	787	55	0	0	0	231033	180287	233	6634	27177	50746
2156+00	215600	100	208.40	23.25	0.00	0.00	0.00	739	98	0	0	0	231772	180385	233	6634	27177	51388
2157+00	215700	100	207.77	29.47	0.00	0.00	0.00	771	98	0	0	0	232543	180482	233	6634	27177	52061
2157+33	215733	33	209.23	36.57	0.00	0.00	0.00	256	40	0	0	0	232799	180523	233	6634	27177	52276
2158+00	215800	67	202.25	24.21	0.00	0.00	0.00	510	75	0	0	0	233308	180598	233	6634	27177	52710
2159+00	215900	100	285.72	0.06	0.00	0.00	0.00	904	45	0	0	0	234212	180643	233	6634	27177	53569
2160+00	216000	100	273.23	0.72	0.00	0.00	0.00	1035	1	0	0	0	235247	180644	233	6634	27177	54603
2161+00	216100	100	221.74	13.96	0.00	0.00	0.00	917	27	0	0	0	236164	180672	233	6634	27177	55492
2161+40	216140	40	212.50	32.48	0.00	0.00	0.00	322	34	0	0	0	236486	180706	233	6634	27177	55780
2162+00	216200	60	185.79	75.15	0.00	0.00	0.00	442	120	0	0	0	236928	180826	233	6634	27177	56102
2163+00	216300	100	183.97	137.87	0.00	0.00	0.00	685	394	0	0	0	237613	181220	233	6634	27177	56393
2164+00	216400	100	174.20	233.32	0.00	0.00	0.00	663	687	0	0	0	238276	181907	233	6634	27177	56369
2165+00	216500	100	169.14	377.30	0.00	0.00	0.00	636	1131	0	0	0	238912	183038	233	6634	27177	55874
2166+00	216600	100	169.59	404.07	0.00	0.00	0.00	627	1447	0	0	0	239539	184485	233	6634	27177	55054
2167+00	216700	100	165.78	336.20	0.00	0.00	0.00	621	1371	0	0	0	240160	185856	233	6634	27177	54304
2167+25	216725	25	164.17	337.38	0.00	0.00	0.00	153	312	0	0	0	240313	186168	233	6634	27177	54145
2168+00	216800	75	166.85	279.84	0.00	0.00	0.00	460	857	0	0	0	240773	187025	233	6634	27177	53747
2169+00	216900	100	164.54	138.03	0.00	0.00	0.00	614	774	0	0	0	241386	187799	233	6634	27177	53587
2169+40	216940	40	202.00	26.39	0.00	0.00	0.00	272	122	0	0	0	241658	187921	233	6634	27177	53737
2170+00	217000	60	440.80	0.05	0.00	0.00	0.00	714	29	0	0	0	242372	187950	233	6634	27177	54422
2171+00	217100	100	359.23	3.22	0.00	0.00	0.00	1482	6	0	0	0	243854	187956	233	6634	27177	55897
2172+00	217200	100	418.86	3.29	0.00	0.00	0.00	1441	12	0	0	0	245295	187968	233	6634	27177	57326
2173+00	217300	100	384.39	3.24	0.00	0.00	0.00	1488	12	0	0	0	246782	187980	233	6634	27177	58802
2173+50	217350	50	466.44	1.96	0.00	0.00	0.00	788	5	0	0	0	247570	187985	233	6634	27177	59585
2173+76	217376	26	464.05	2.16	0.00	0.00	0.00	450	2	0	0	0	248020	187987	233	6634	27177	60033
2174+00	217400	24	461.33	2.12	0.00	0.00	0.00	409	2	0	0	0	248429	187989	233	6634	27177	60440
2174+15	217415	15	454.06	2.10	0.00	0.00	0.00	260	1	0	0	0	248689	187990	233	6634	27177	60699
2175+00	217500	85	203.42	11.57	0.00	0.00	0.00	1031	21	0	0	0	249720	188012	233	6634	27177	61708
2176+00	217600	100	191.37	2.12	0.00	0.00	0.00	731	25	0	0	0	250451	188037	233	6634	27177	62414
2177+00	217700	100	208.39	0.00	0.00	0.00	0.00	740	4	0	0	0	251191	188041	233	6634	27177	63150
2178+00	217800	100	260.59	0.00	0.00	0.00	0.00	868	0	0	0	0	252060	188041	233	6634	27177	64019
2179+00	217900	100	338.53	0.28	0.00	0.00	0.00	1109	1	0	0	0	253169	188041	233	6634	27177	65128
2180+00	218000	100	314.52	1.83	0.00	0.00	0.00	1209	4	0	0	0	254379	188045	233	6634	27177	66333
2181+00	218100	100	350.33	2.20	0.00	0.00	0.00	1231	7	0	0	0	255610	188053	233	6634	27177	67557
2182+00	218200	100	319.15	3.15	0.00	0.00	0.00	1240	10	0	0	0	256850	188063	233	6634	27177	68787
2183+00	218300	100	780.04	1.27	0.00	0.00	0.00	2036	8	0	0	0	258885	188071	233	6634	27177	70814
2184+00	218400	100	1318.61	1.09	0.00	0.00	0.00	3886	4	0	0	0	262772	188075	233	6634	27177	74696
2185+00	218500	100	781.57	0.67	0.00	0.00	0.00	3889	3	0	0	0	266661	188079	233	6634	27177	78582
2186+00	218600	100	353.76	1.76	0.00	0.00	0.00	2102	5	0	0	0	268763	188083	233	6634	27177	80680
2187+00	218700	100	286.59	5.25	0.00	0.00	0.00	1186	13	0	0	0	269949	188096	233	6634	27177	81853
2188+00	218800	100	201.40	13.21	0.00	0.00	0.00	904	34	0	0	0	270853	188130	233	6634	27177	82723
2189+00	218900	100	196.31	73.50	0.00	0.00	0.00	737	161	0	0	0	271589	188291	233	6634	27177	83299
2189+50	218950	50	193.29	318.47	0.00	0.00	0.00	361	363	0	0	0	271950	188654	233	6634	27177	83296
2190+00	219000	50	189.43	133.90	0.00	0.00	0.00	354	419	0	0	0	272304	189073	233	6634	27177	83232
2191+00	219100	100	187.95	80.31	10.32	0.00	0.00	699	397	19	0	0	273003	189469	252	6634	27177	83534
2192+00	219200	100	189.72	49.55	11.30	0.00	0.00	699	240	40	0	0	273703	189710	292	6634	27177	83993
2193+00	219300	100	184.59	41.62	4.99	0.00	0.00	693	169	30	0	0	274396	189879	323	6634	27177	84517
2194+00	219400	100	170.09	58.28	0.00	0.00	0.00	657	185	9	0	0	275053	190064	332	6634	27177	84989
2195+00	219500	100	152.93	85.24	0.00	0.00	0.00	598	266	0	0	0	275651	190329	332	6634	27177	85321
							COLUMN TOTALS	275651	190329	332	6634	27177						

PROJECT ID 1007-11-71

STAGE 2 - NB MEDIAN SHOULDER RESTORATION

STATION	Real Station	Distance	AREA (SF) Cut	Fill	EBS (In Cross Sections)	Excavation Rock (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Fill	EBS	Excavation Rock	Cumulative Vol (CY) Cut	Fill	EBS	Excavation Rock	Mass Ordinate
1933+83 AH	193383	0	15.34	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
1934+00	193400	17	15.24	0.00	0.00	0.00	10	0	0	0	10	0	0	0	10
1935+00	193500	100	14.74	0.00	0.00	0.00	56	0	0	0	65	0	0	0	65
1936+00	193600	100	29.21	0.00	0.00	0.00	81	0	0	0	147	0	0	0	147
1937+00	193700	100	40.68	0.00	0.00	0.00	129	0	0	0	276	0	0	0	276
1938+00	193800	100	58.31	0.00	0.00	0.00	183	0	0	0	459	0	0	0	459
1939+00	193900	100	80.31	0.00	0.00	0.00	257	0	0	0	716	0	0	0	716
1940+00	194000	100	100.54	0.00	0.00	0.00	335	0	0	0	1051	0	0	0	1051
1941+00	194100	100	15.42	0.00	0.00	0.00	215	0	0	0	1266	0	0	0	1266
1942+00	194200	100	10.68	0.00	0.00	0.00	48	0	0	0	1314	0	0	0	1314
1943+00	194300	100	10.17	0.02	0.00	0.00	39	0	0	0	1353	0	0	0	1353
1944+00	194400	100	16.56	0.00	0.00	0.00	50	0	0	0	1402	0	0	0	1402
1945+00	194500	100	17.28	0.00	0.00	0.00	63	0	0	0	1465	0	0	0	1465
1946+00	194600	100	16.90	0.00	0.00	0.00	63	0	0	0	1528	0	0	0	1528
1947+00	194700	100	15.42	0.00	0.00	0.00	60	0	0	0	1588	0	0	0	1588
1947+50	194750	50	14.22	0.00	0.00	0.00	27	0	0	0	1615	0	0	0	1615
1948+00 BK	194800	50	20.00	0.00	0.00	0.00	32	0	0	0	1647	0	0	0	1647
						COLUMN TOTALS	1647	0	0	0					

PROJECT ID 1007-11-71

STAGE 2 - CROSSOVER

STATION	Real Station	Distance	AREA (SF) Cut	Fill	EBS (In Cross Sections)	Excavation Rock (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Fill	EBS	Excavation Rock	Cumulative Vol (CY) Cut	Fill	EBS	Excavation Rock	Mass Ordinate
1941+01 AH	194101	0	113.57	0.29	0.00	0.00	0	0	0	0	0	0	0	0	0
1941+50	194150	49	126.67	0.00	0.00	0.00	219	0	0	0	219	0	0	0	218
1942+00	194200	50	123.46	0.00	0.00	0.00	232	0	0	0	450	0	0	0	450
1942+50	194250	50	112.48	0.00	0.00	0.00	218	0	0	0	669	0	0	0	668
1943+00	194300	50	103.41	0.65	0.00	0.00	200	1	0	0	869	1	0	0	868
1943+50	194350	50	94.39	0.90	0.00	0.00	183	1	0	0	1052	2	0	0	1049
1944+00	194400	50	97.03	0.00	0.00	0.00	177	1	0	0	1229	3	0	0	1226
1944+50	194450	50	107.63	0.00	0.00	0.00	190	0	0	0	1418	3	0	0	1415
1945+00	194500	50	94.39	0.41	0.00	0.00	187	0	0	0	1606	4	0	0	1602
1945+50	194550	50	117.42	0.00	0.00	0.00	196	0	0	0	1802	4	0	0	1798
1946+00	194600	50	151.19	0.00	0.00	0.00	249	0	0	0	2050	4	0	0	2046
1946+50	194650	50	172.26	0.00	0.00	0.00	299	0	0	0	2350	4	0	0	2346
1947+00	194700	50	190.73	0.00	0.00	0.00	336	0	0	0	2686	4	0	0	2682
1947+50	194750	50	167.30	0.00	0.00	0.00	332	0	0	0	3017	4	0	0	3014
1948+00	194800	50	162.77	0.00	0.00	0.00	306	0	0	0	3323	4	0	0	3319
1948+50	194850	50	144.94	0.00	0.00	0.00	285	0	0	0	3608	4	0	0	3604
1949+00	194900	50	114.63	0.00	0.00	0.00	240	0	0	0	3848	4	0	0	3844
1949+50	194950	50	92.12	0.00	0.00	0.00	191	0	0	0	4040	4	0	0	4036
1950+00	195000	50	64.55	0.00	0.00	0.00	145	0	0	0	4185	4	0	0	4181
1950+50	195050	50	50.66	1.02	0.00	0.00	107	1	0	0	4292	5	0	0	4287
1951+00	195100	50	44.66	7.04	0.00	0.00	88	7	0	0	4380	12	0	0	4367
1951+50	195150	50	51.86	8.65	0.00	0.00	89	15	0	0	4469	27	0	0	4442
1952+00	195200	50	56.50	9.96	0.00	0.00	100	17	0	0	4570	44	0	0	4525
1952+50 BK	195250	50	48.97	14.44	0.00	0.00	98	23	0	0	4667	67	0	0	4601
						COLUMN TOTALS	4667	67	0	0					

PROJECT ID 1007-11-71
STAGE 1 - CTH B

STATION		Real Station	Distance	AREA (SF) Cut	Fill	EBS (In Cross Sections)	Excavation Rock (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Fill	EBS	Excavation Rock	Cumulative Vol (CY) Cut	Fill	EBS	Excavation Rock	Mass Ordinate
50+89	AH	5089	0	0.00	0.87	0.00	0.00	0	0	0	0	0	0	0	0	0
51+00		5100	11	4.25	1.01	0.00	0.00	1	0	0	0	1	0	0	0	0
51+25		5125	25	4.18	1.34	0.00	0.00	4	1	0	0	5	1	0	0	3
51+29		5129	4	8.77	2.23	0.00	0.00	1	0	0	0	6	2	0	0	4
51+44		5144	15	9.65	1.99	0.00	0.00	5	1	0	0	11	3	0	0	8
51+50		5150	6	5.32	0.49	0.00	0.00	2	0	0	0	13	3	0	0	9
51+75		5175	25	0.00	0.00	0.00	0.00	2	0	0	0	15	3	0	0	12
51+84	BK	5184	9	0.00	0.00	0.00	0.00	0	0	0	0	15	3	0	0	12
52+69	AH	5269	0	32.47	8.88	0.00	0.00	0	0	0	0	15	3	0	0	12
52+72		5272	3	32.00	3.67	0.00	0.00	4	1	0	0	19	4	0	0	15
52+75		5275	3	31.60	1.70	0.00	0.00	3	0	0	0	22	4	0	0	18
53+00		5300	25	25.92	0.10	0.00	0.00	27	1	0	0	49	5	0	0	44
53+05	BK	5305	5	24.09	0.13	0.00	0.00	5	0	0	0	53	5	0	0	48
							COLUMN TOTALS	53	5	0	0					

PROJECT ID 1007-11-71
STAGE 1 - CTH W

STATION		Real Station	Distance	AREA (SF) Cut	Fill	EBS (In Cross Sections)	Excavation Rock (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Fill	EBS	Excavation Rock	Cumulative Vol (CY) Cut	Fill	EBS	Excavation Rock	Mass Ordinate
50+91	AH	5091	0	4.48	0.29	0.00	0.00	0	0	0	0	0	0	0	0	0
51+00		5100	9	4.53	0.34	0.00	0.00	1	0	0	0	1	0	0	0	1
51+25		5125	25	5.05	0.18	0.00	0.00	4	0	0	0	6	0	0	0	6
51+33		5133	8	11.60	0.09	0.00	0.00	2	0	0	0	8	0	0	0	8
51+48		5148	15	11.54	0.05	0.00	0.00	6	0	0	0	15	0	0	0	14
51+50		5150	2	6.10	0.00	0.00	0.00	1	0	0	0	15	0	0	0	15
51+75		5175	25	5.85	0.04	0.00	0.00	6	0	0	0	21	0	0	0	21
51+89	BK	5189	14	5.61	0.07	0.00	0.00	3	0	0	0	24	0	0	0	24
53+25	AH	5325	0	29.12	3.80	0.00	0.00	0	0	0	0	24	0	0	0	24
53+35		5335	10	27.89	0.22	0.00	0.00	11	1	0	0	35	1	0	0	33
53+45	BK	5345	10	26.70	0.08	0.00	0.00	10	0	0	0	45	1	0	0	43
							COLUMN TOTALS	45	1	0	0					

PROJECT ID 1007-11-71
STAGE 1 - DROTNING RD

STATION		Real Station	Distance	AREA (SF) Cut	Fill	EBS (In Cross Sections)	Excavation Rock (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Fill	EBS	Excavation Rock	Cumulative Vol (CY) Cut	Fill	EBS	Excavation Rock	Mass Ordinate
52+05	AH	5205	0	4.64	0.16	0.00	0.00	0	0	0	0	0	0	0	0	0
52+25		5225	20	5.23	0.13	0.00	0.00	4	0	0	0	4	0	0	0	4
52+50		5250	25	5.08	0.61	0.00	0.00	5	0	0	0	8	0	0	0	8
52+59		5259	9	10.76	1.08	0.00	0.00	2	0	0	0	11	1	0	0	10
52+68		5268	9	10.50	1.46	0.00	0.00	4	0	0	0	15	1	0	0	13
52+75		5275	7	5.80	0.32	0.00	0.00	2	0	0	0	17	1	0	0	15
53+00		5300	25	5.66	0.28	0.00	0.00	5	0	0	0	22	2	0	0	20
53+21	BK	5321	21	5.79	0.17	0.00	0.00	5	0	0	0	27	2	0	0	25
56+35	AH	5635	0	24.79	0.00	0.00	0.00	0	0	0	0	27	2	0	0	25
56+50		5650	15	25.05	0.00	0.00	0.00	14	0	0	0	41	2	0	0	39
56+54		5654	4	24.43	0.13	0.00	0.00	3	0	0	0	44	2	0	0	42
56+65		5665	11	24.25	0.01	0.00	0.00	10	0	0	0	55	2	0	0	53
56+75		5675	10	23.52	0.00	0.00	0.00	9	0	0	0	63	2	0	0	61
56+76		5676	1	23.39	0.00	0.00	0.00	1	0	0	0	65	2	0	0	63
56+96	BK	5696	19	21.74	0.02	0.00	0.00	16	0	0	0	81	2	0	0	79
							COLUMN TOTALS	81	2	0	0					

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PROJECT ID 1007-11-71
STAGE 1 - IH 39 SB EMERGENCY ACCESS 'SBEA'

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS (In Cross Sections)	AREA (SF) Excavation Rock (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Incremental Vol (CY) (Unadjusted) Excavation Rock	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Cumulative Vol (CY) Excavation Rock	Mass Ordinate
96+43	AH	9643	0	33.43	1.30	0.00	0.00	0	0	0	0	0	0	0	0	0
96+50		9650	7	53.42	0.97	0.00	0.00	11	0	0	0	11	0	0	0	11
96+75		9675	25	82.92	29.13	0.00	0.00	63	14	0	0	74	14	0	0	60
97+00		9700	25	0.00	92.60	0.00	0.00	38	56	0	0	113	71	0	0	42
97+25		9725	25	0.00	159.46	0.00	0.00	0	117	0	0	113	187	0	0	-75
97+50		9750	25	0.00	232.54	0.00	0.00	0	181	0	0	113	369	0	0	-256
97+75		9775	25	0.00	306.50	0.00	0.00	0	250	0	0	113	618	0	0	-506
98+00		9800	25	0.00	373.89	0.00	0.00	0	315	0	0	113	933	0	0	-821
98+25		9825	25	0.00	417.16	0.00	0.00	0	366	0	0	113	1300	0	0	-1187
98+50		9850	25	0.00	396.87	0.00	0.00	0	377	0	0	113	1676	0	0	-1564
98+75		9875	25	0.00	414.59	0.00	0.00	0	376	0	0	113	2052	0	0	-1939
99+00		9900	25	0.00	353.10	0.00	0.00	0	355	0	0	113	2407	0	0	-2295
99+25		9925	25	0.00	214.86	0.00	0.00	0	263	0	0	113	2670	0	0	-2558
99+31	BK	9931	6	0.00	174.06	0.00	0.00	0	41	0	0	113	2712	0	0	-2599
							COLUMN TOTALS	113	2712	0	0					

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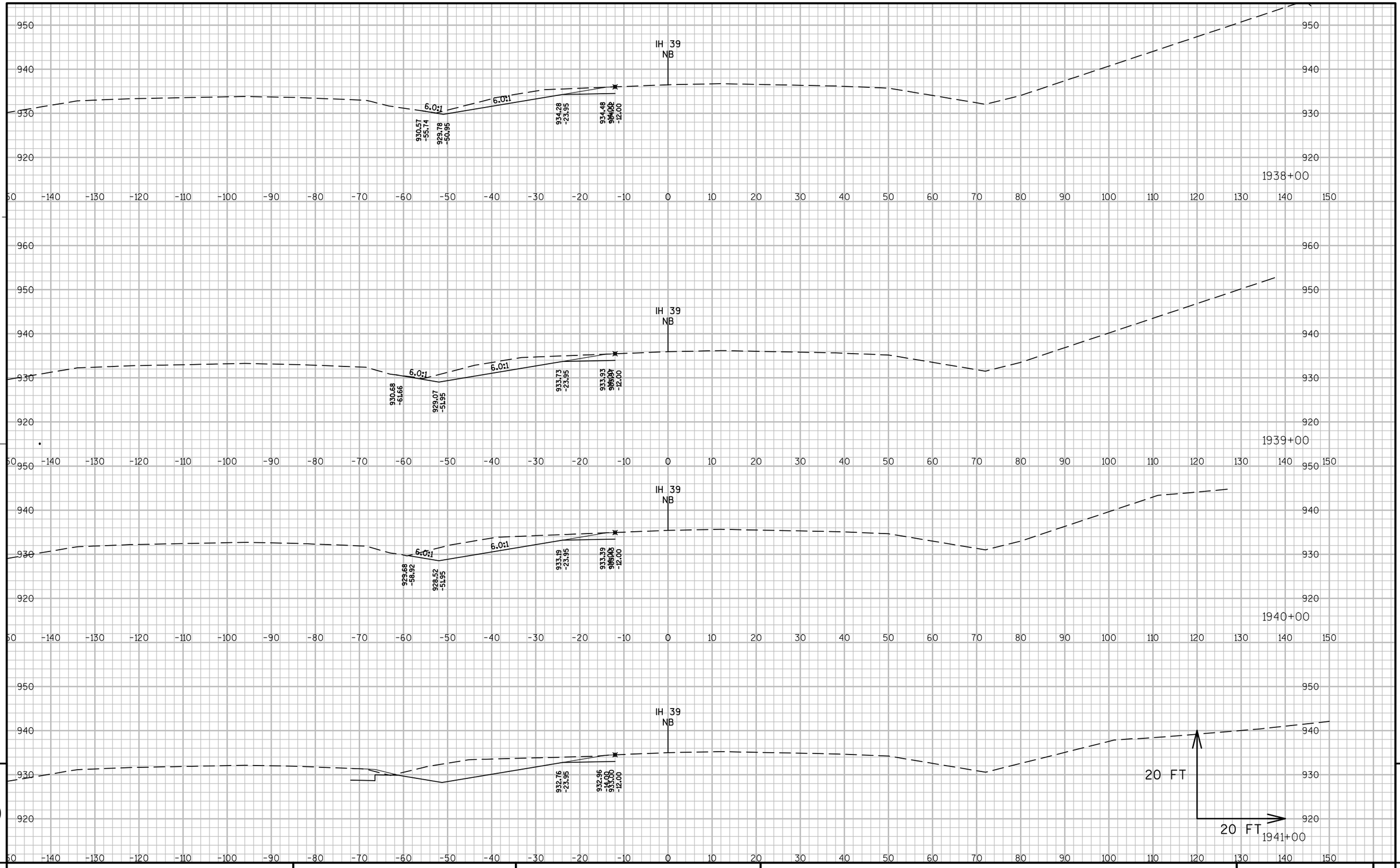
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	COMPUTER EARTHWORK DATA	PAGE 08 OF 08	SHEET	E

FILE NAME : \\sehmadison\projects\AE\D\DANEL\119189\Civil 3D\10071001\SheetsPlan\10071171\SEC 09 Computer Earthwork Data\090100_ew.dwg
PLOT DATE : 10/9/2017 6:36 PM
PLOT BY : SEH
LAYOUT NAME : 08
PLOT SCALE : NTS
WISDOT/CADDS SHEET 49



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PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 551	E

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LAYOUT NAME - 090202)

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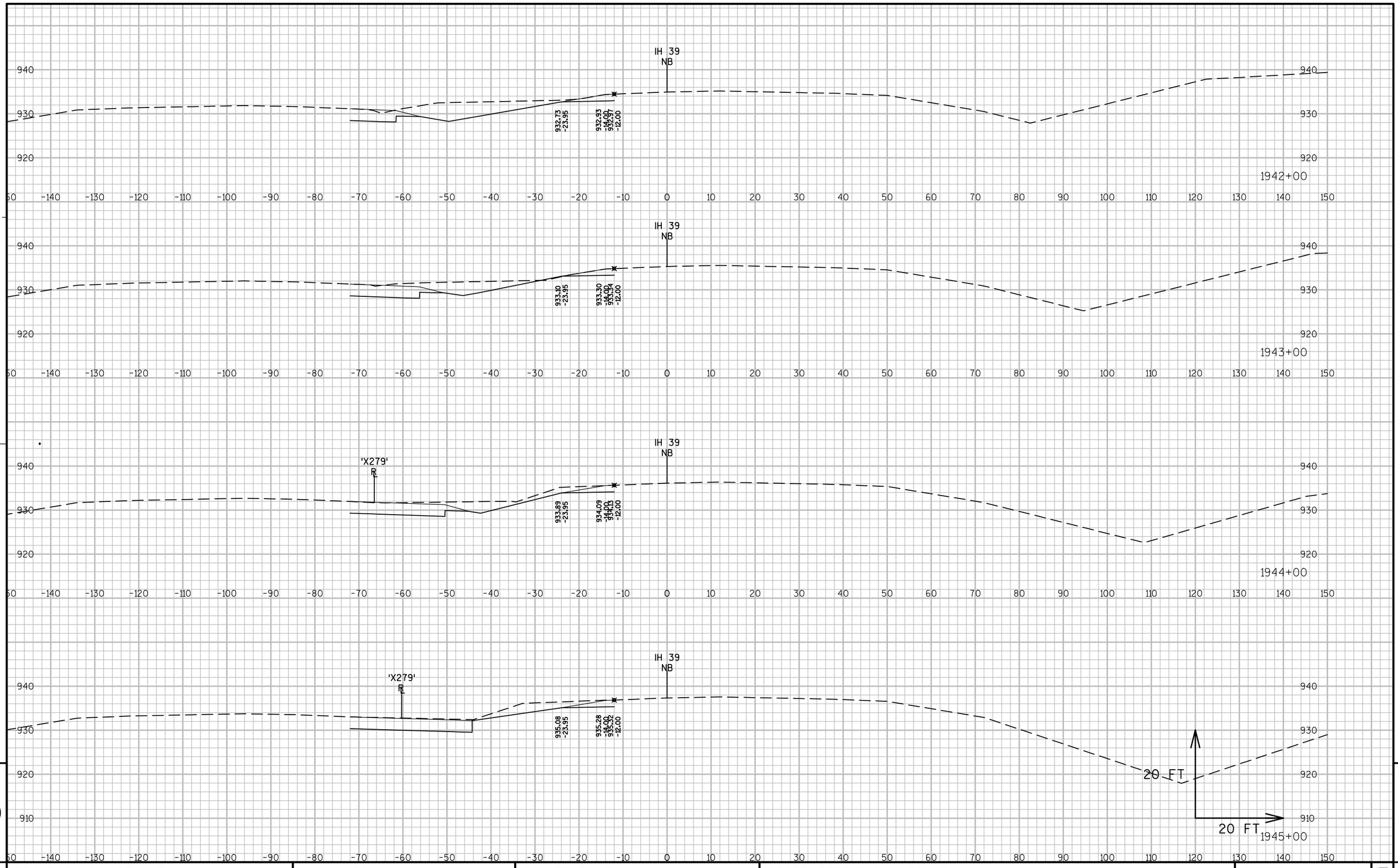

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PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 552	E

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LAYOUT NAME - 090203)

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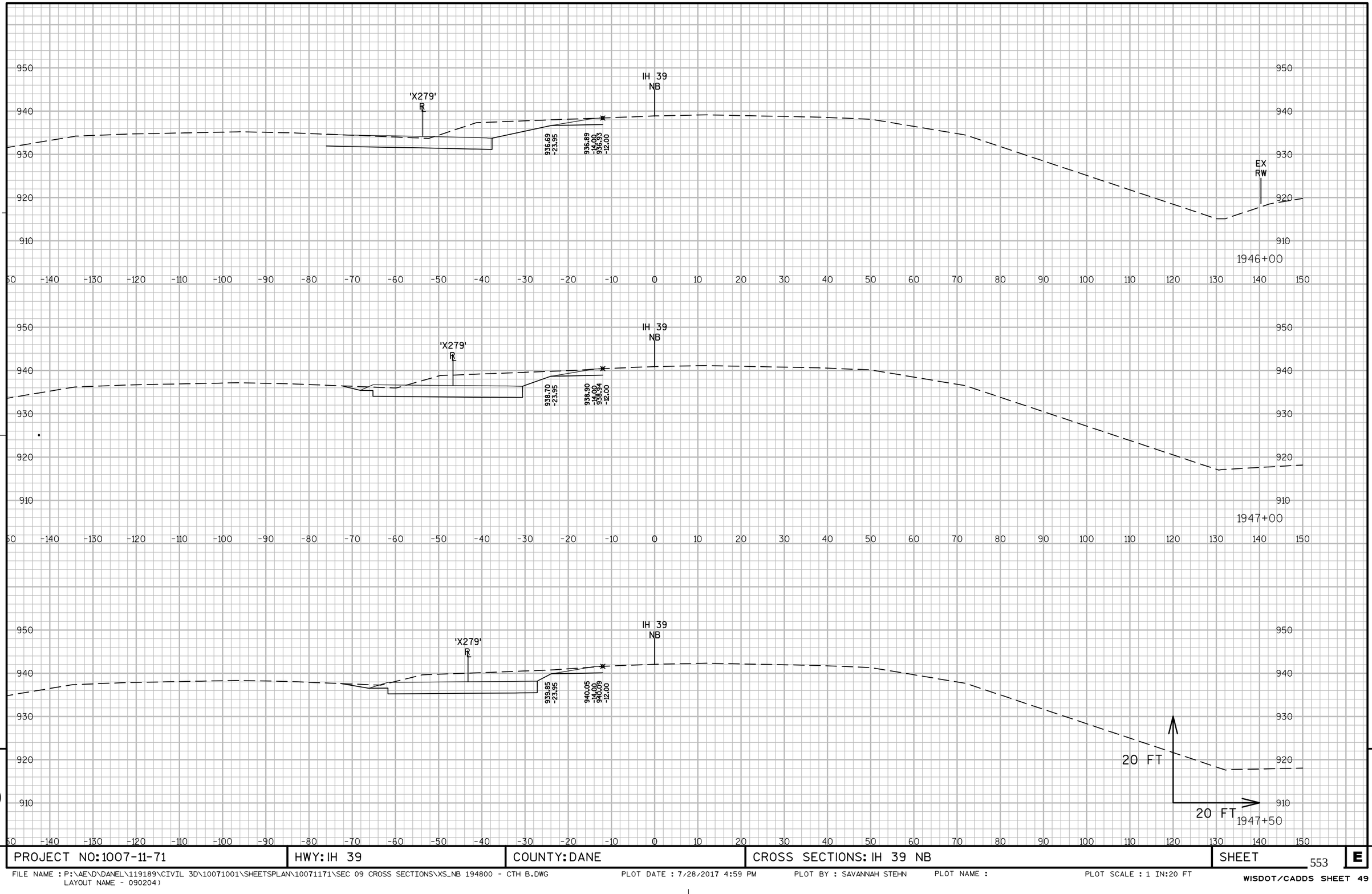

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PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 553	E

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LAYOUT NAME - 090204)

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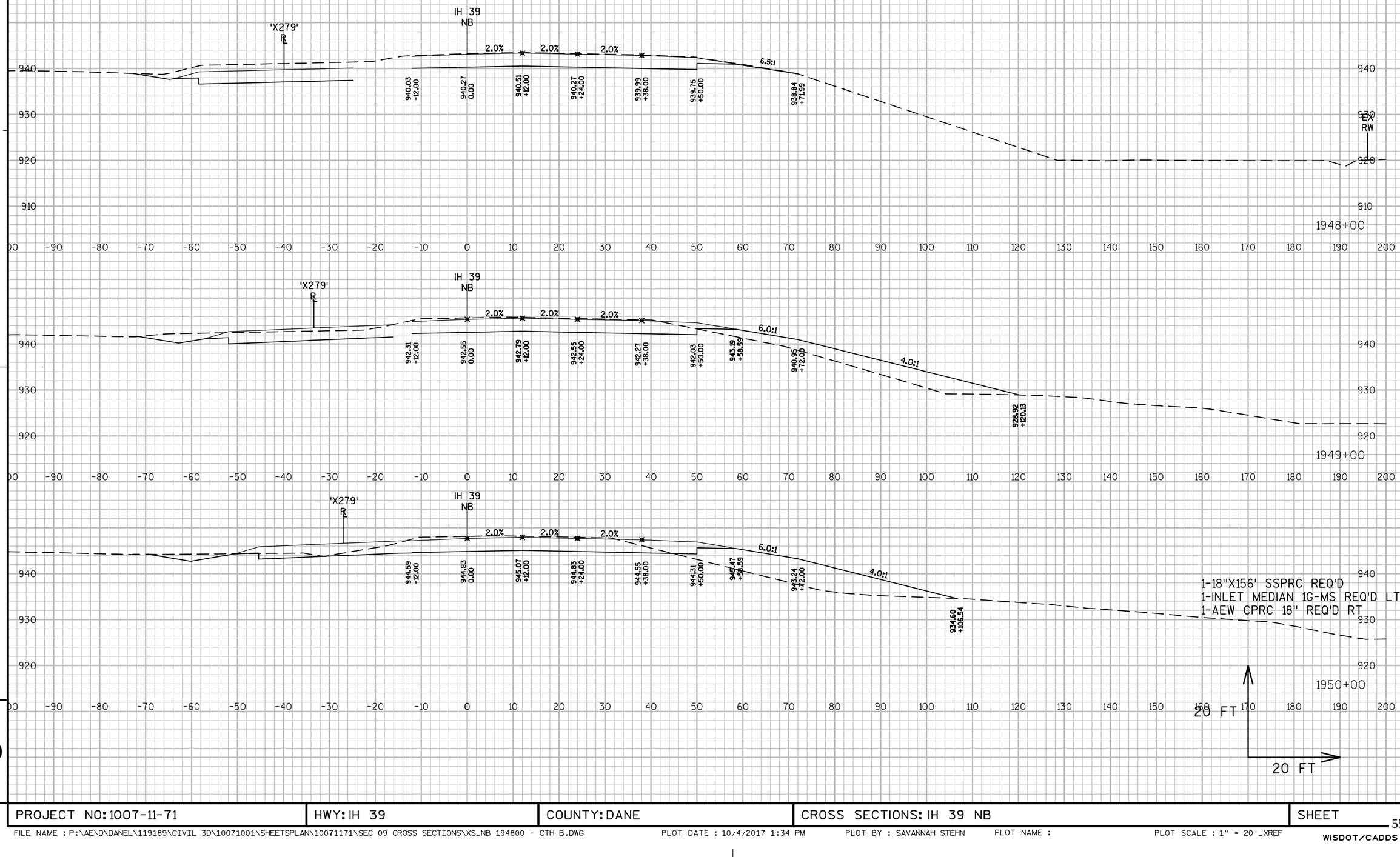
WISDOT/CADDS SHEET 49

BEGIN PROJECT
STA 1948+00



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 194800 - CTH B.DWG PLOT DATE : 10/4/2017 1:34 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF
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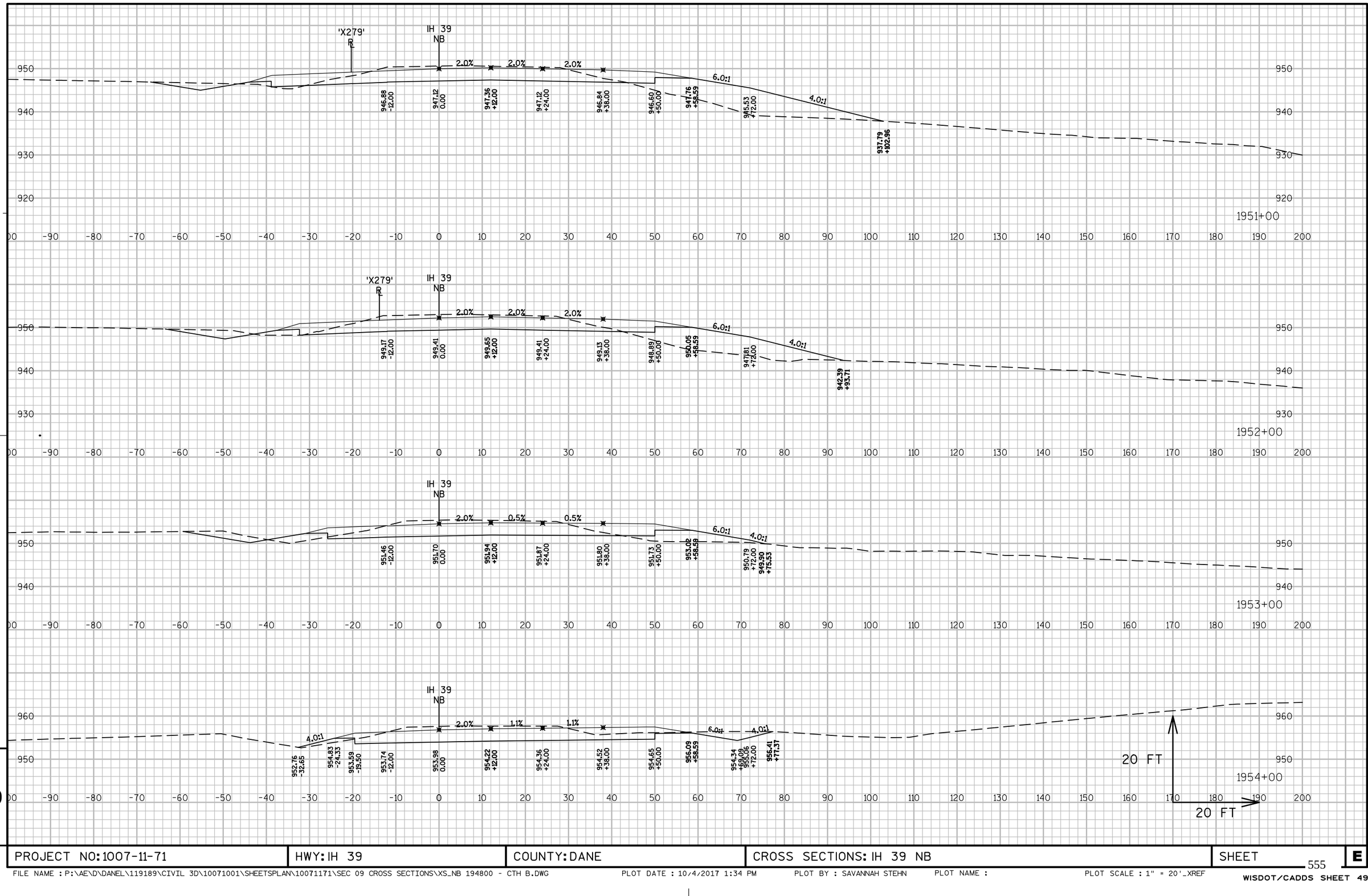

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PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 555	E

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PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET	E

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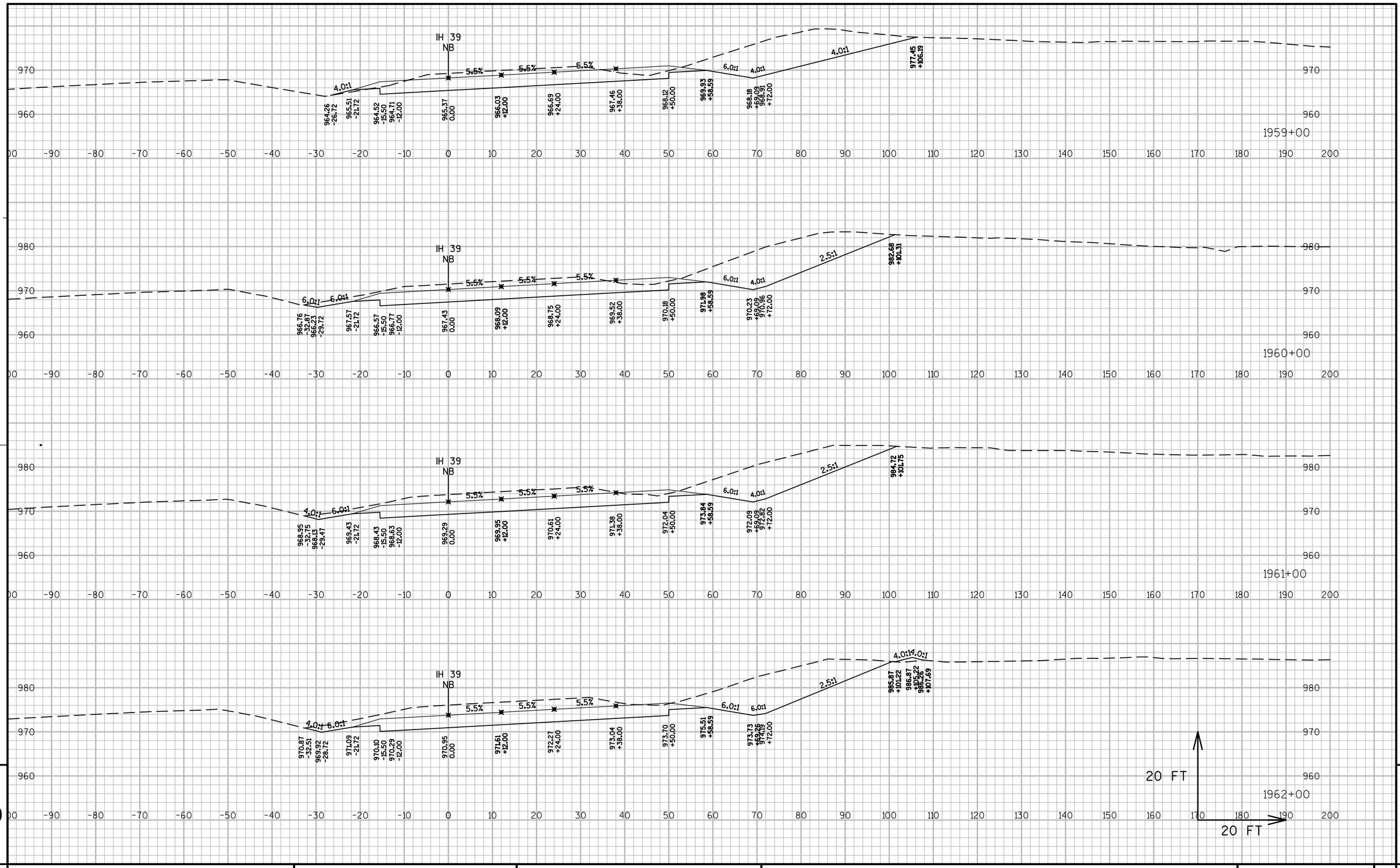

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET	E

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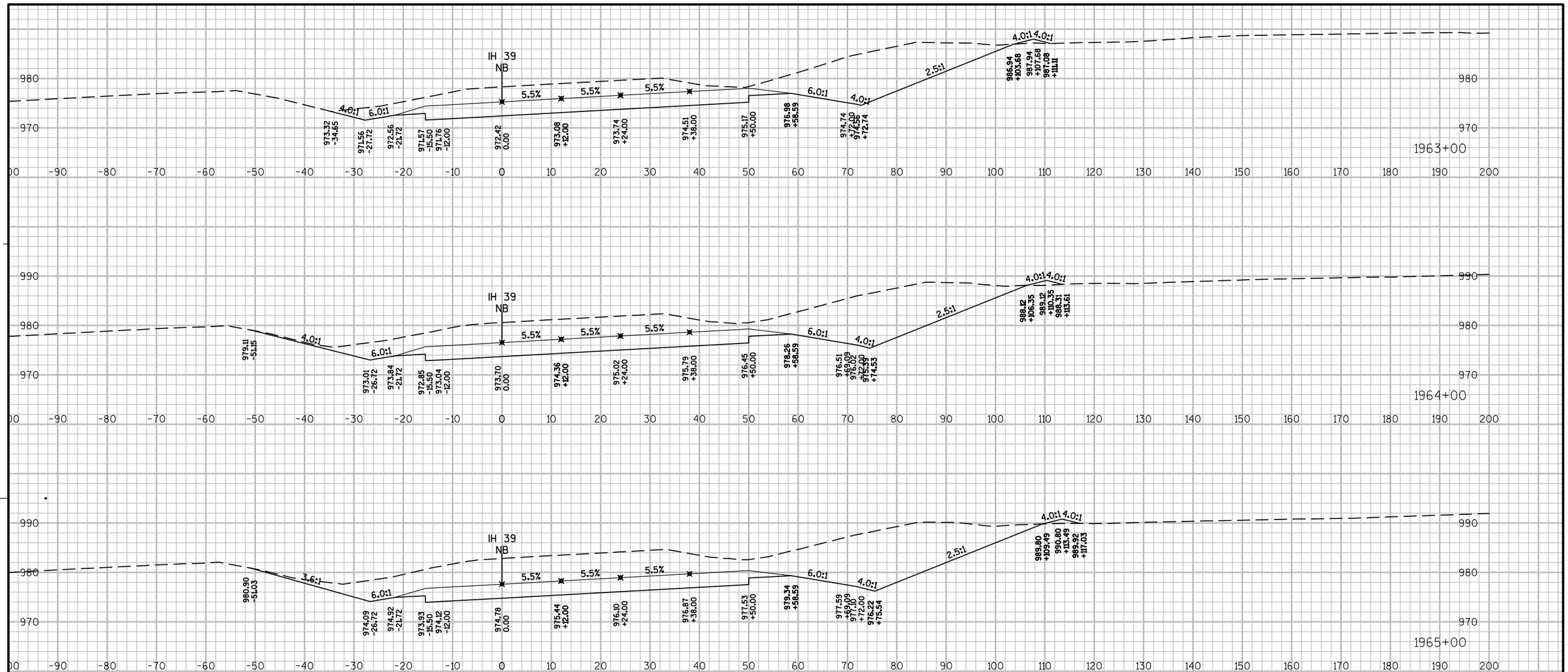

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET	E

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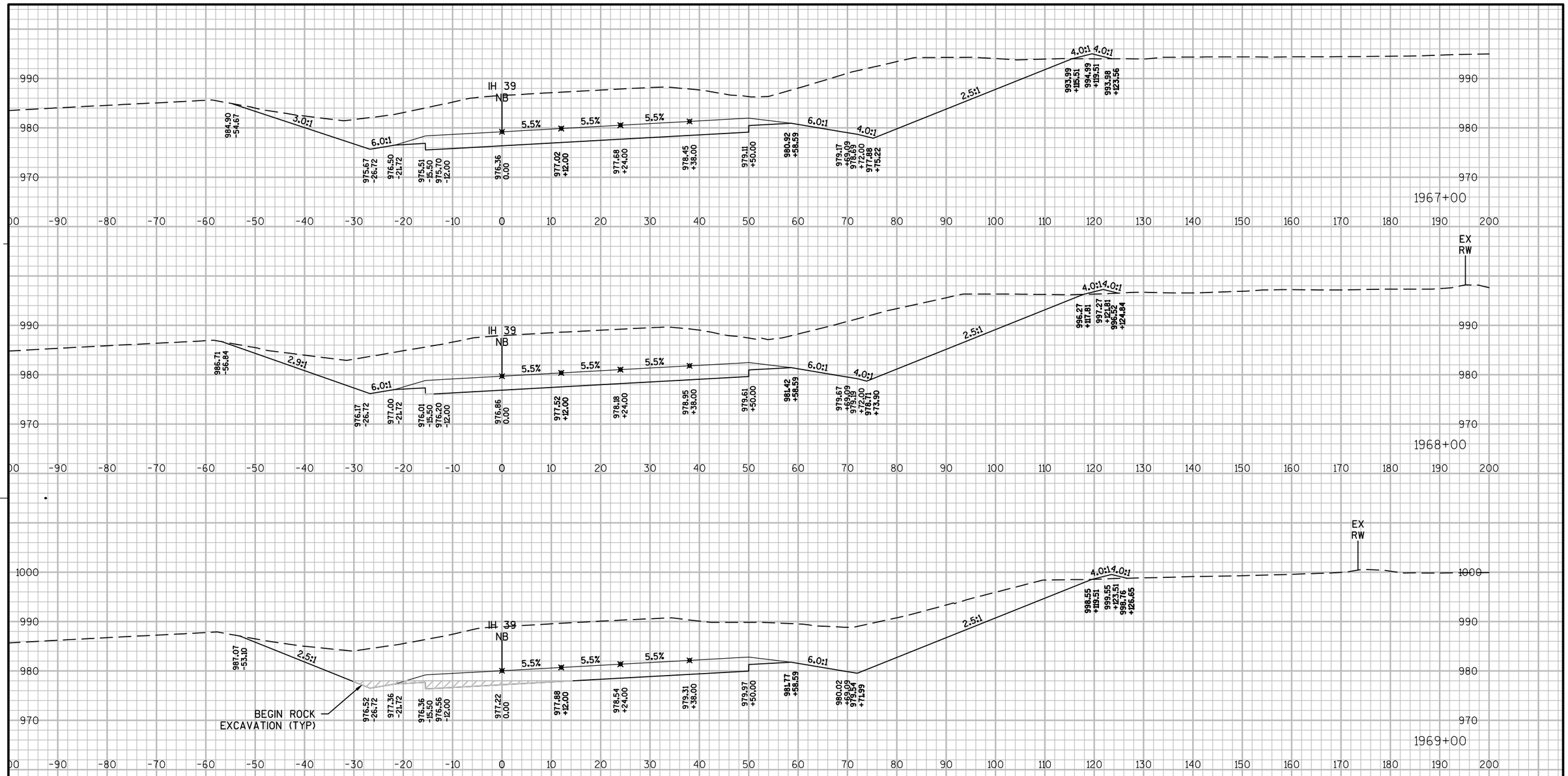

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET	E

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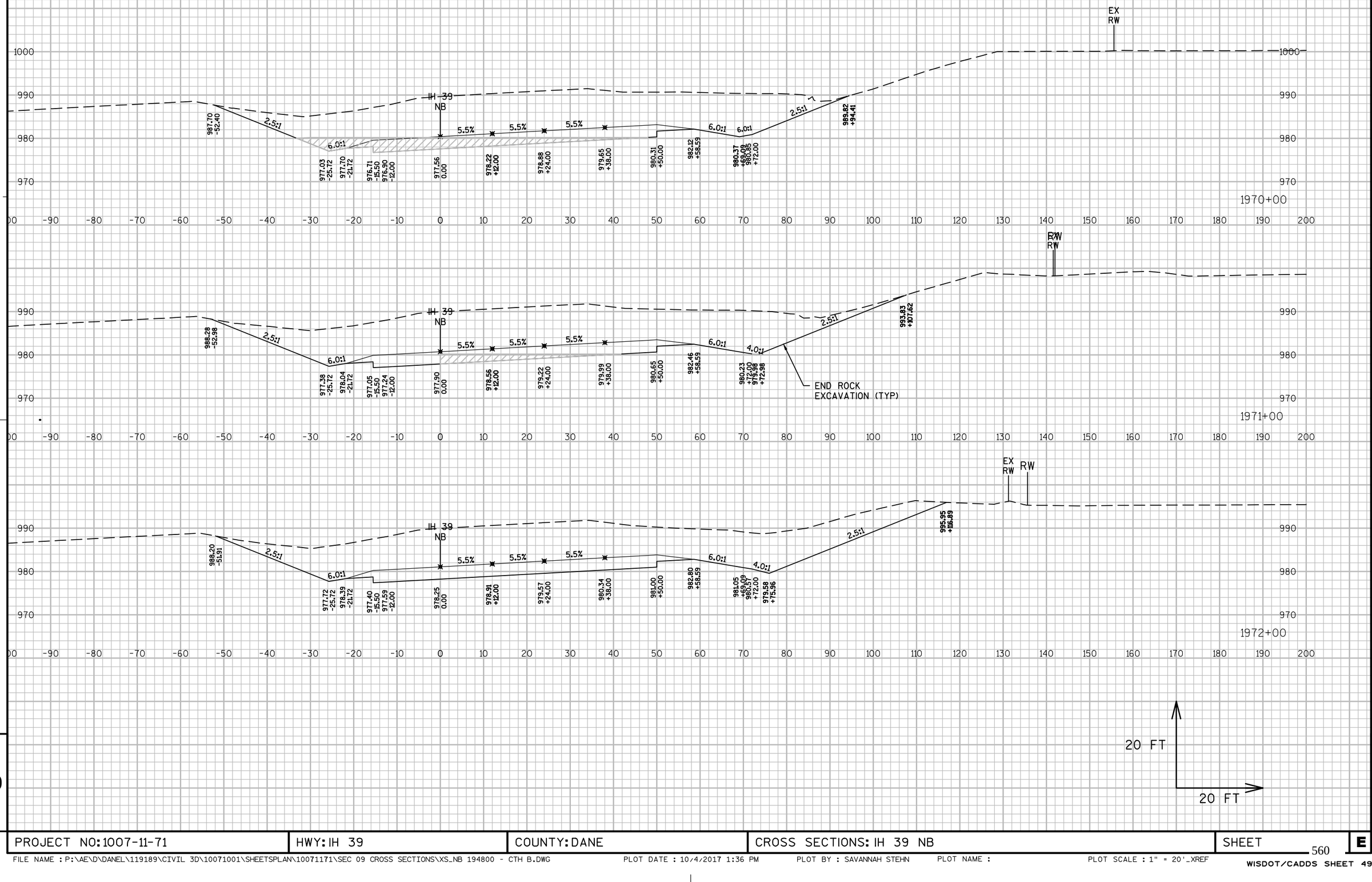

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET	E

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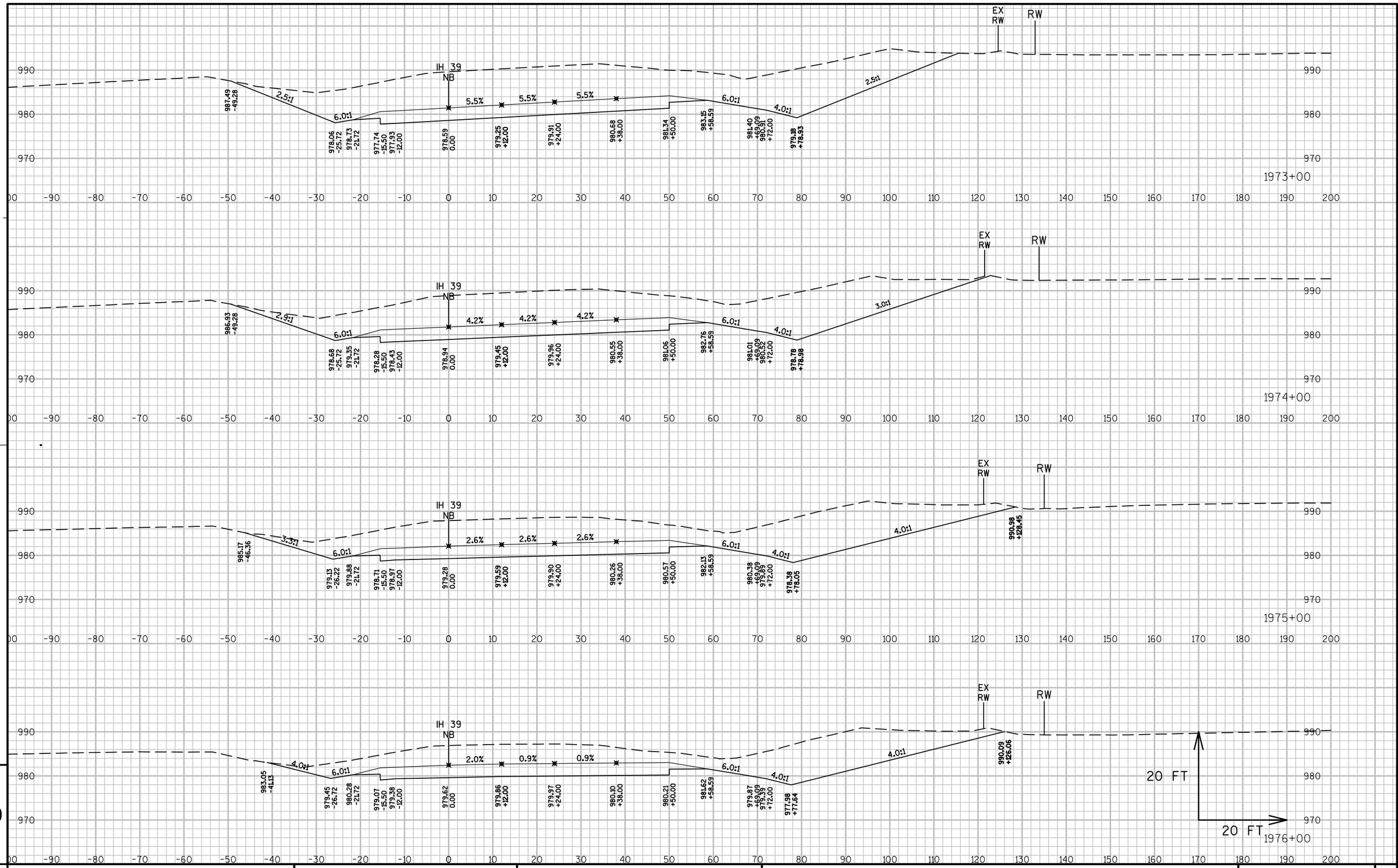
WISDOT/CADDS SHEET 49



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PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET	E

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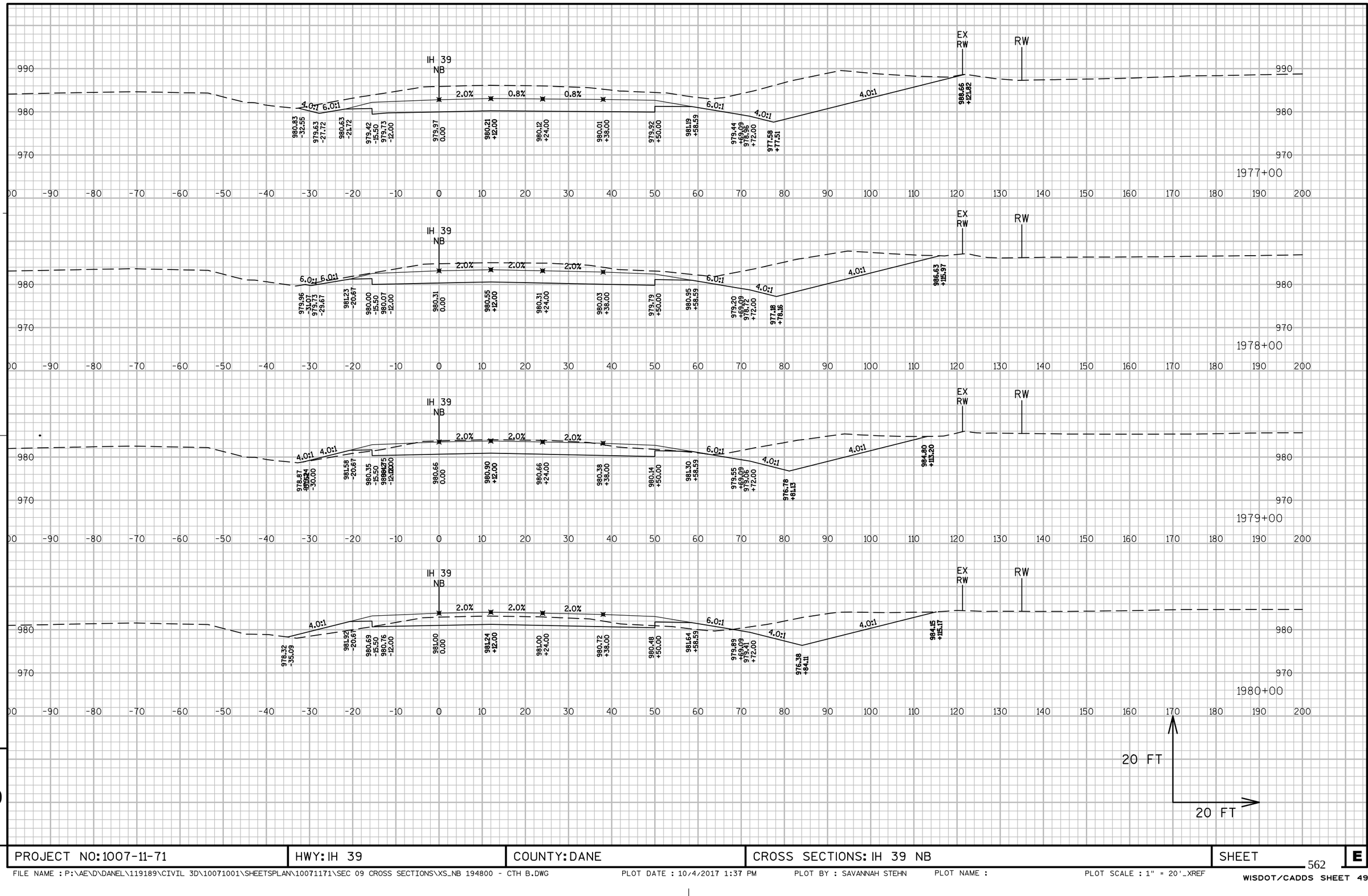

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET E

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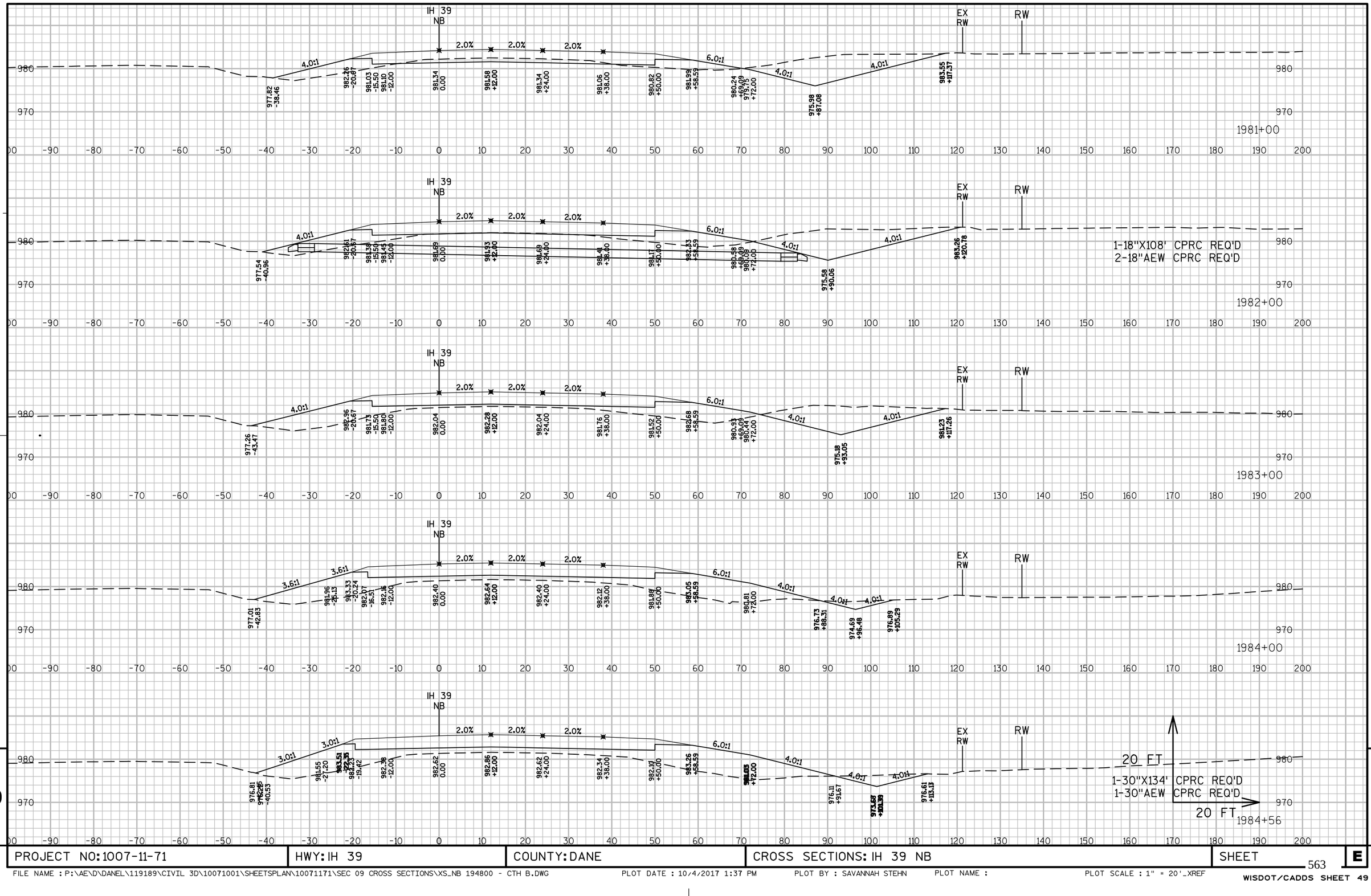
WISDOT/CADDS SHEET 49



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PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET	E

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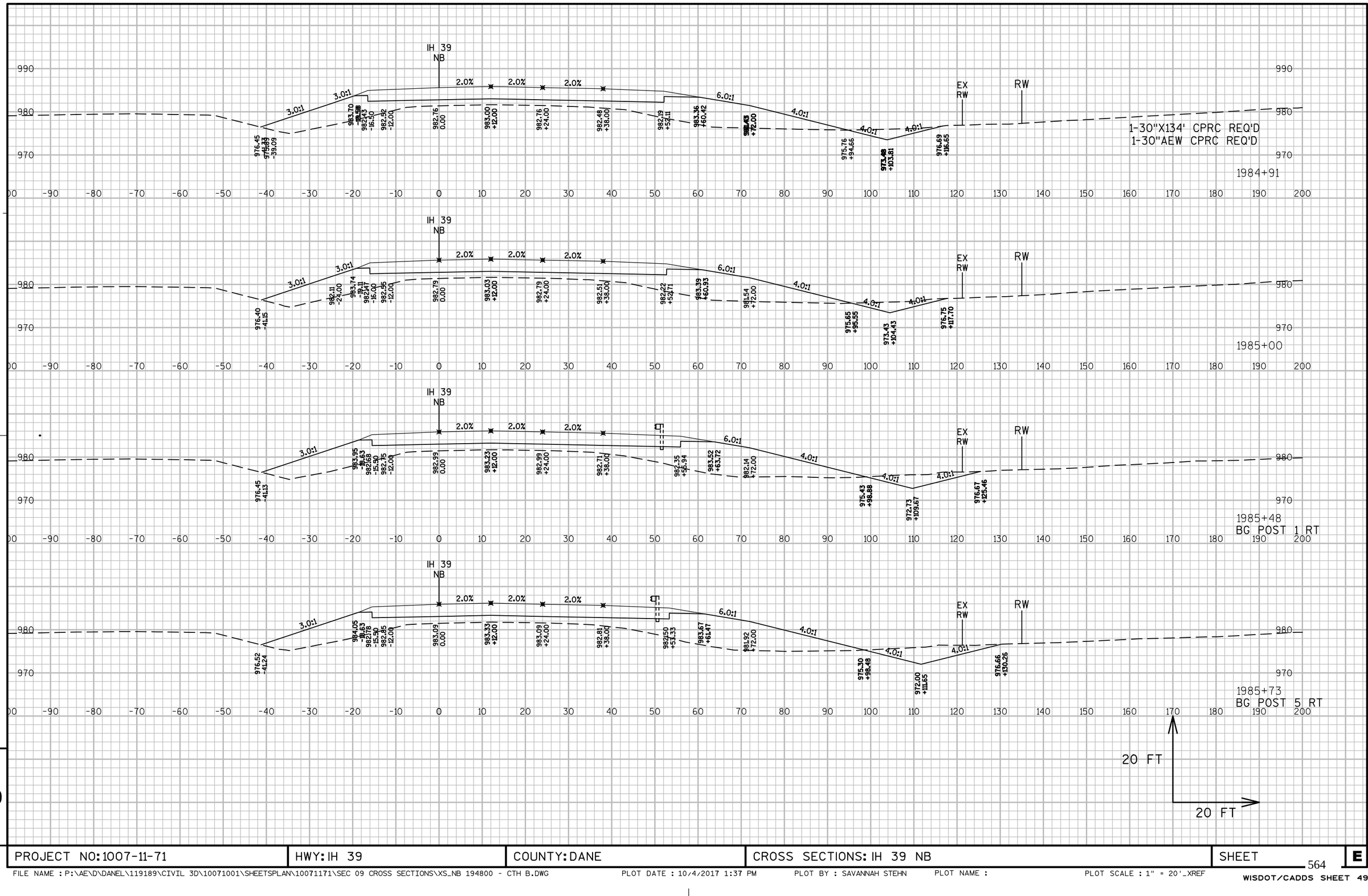

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PROJECT NO: 1007-11-71 | HWY: IH 39 | COUNTY: DANE | CROSS SECTIONS: IH 39 NB | SHEET | E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 194800 - CTH B.DWG PLOT DATE : 10/4/2017 1:37 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

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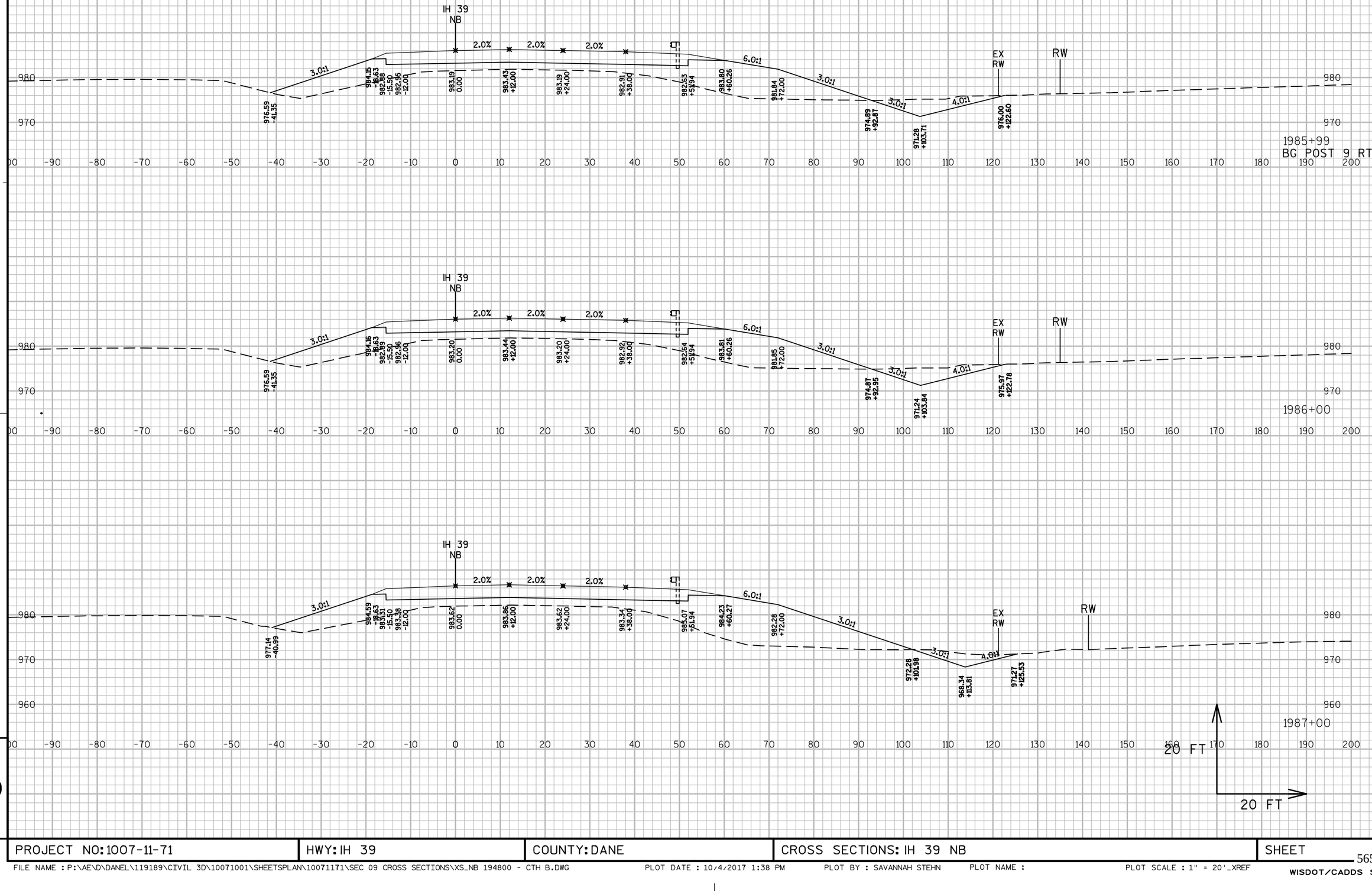

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET	E

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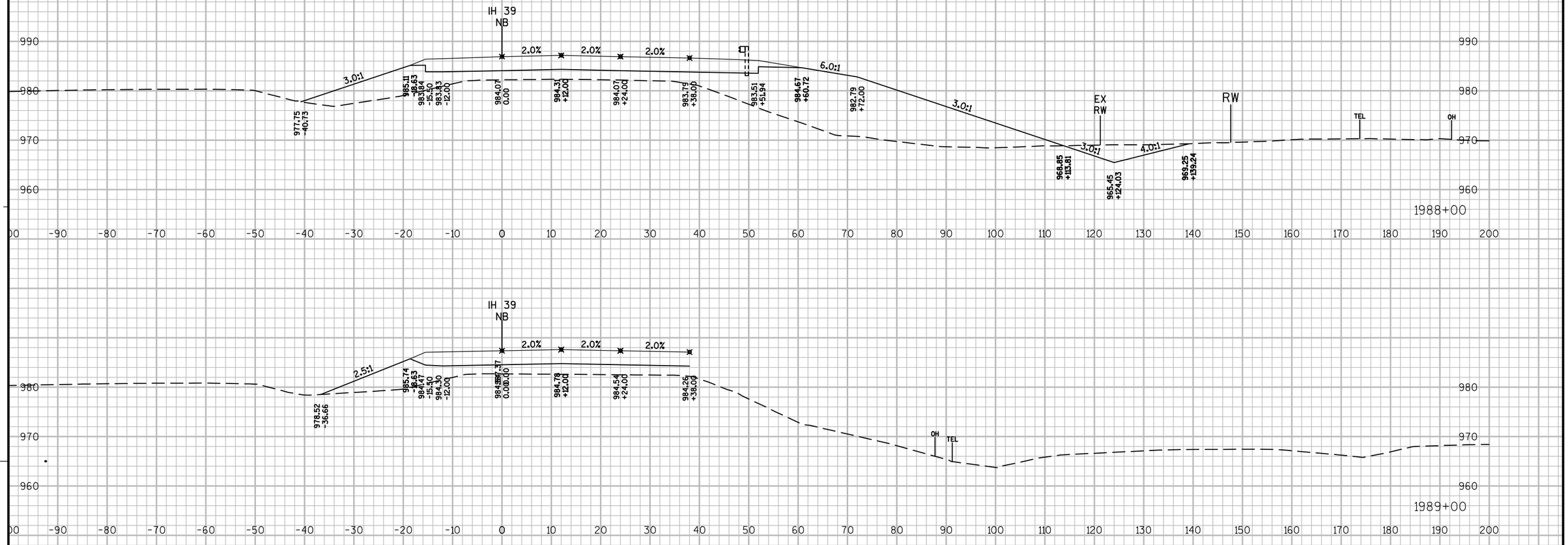
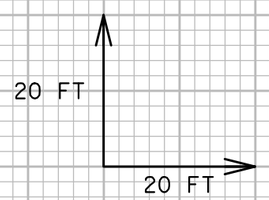


B-13-713
STA 1989+51 - 1991+05



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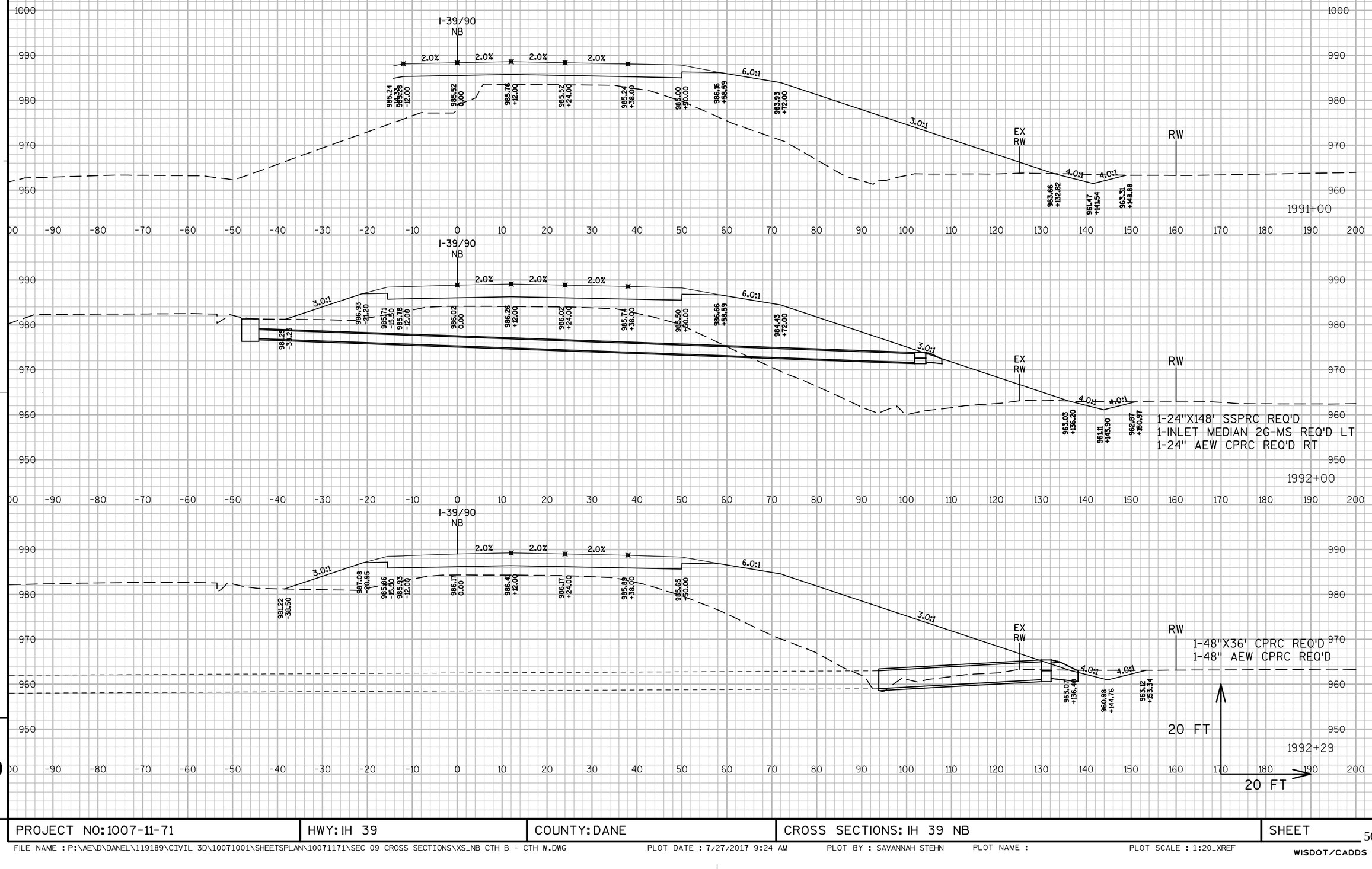
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 194800 - CTH B.DWG PLOT DATE : 10/4/2017 1:38 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 0.049998

B-13-713
STA 1989+51 - 1991+05



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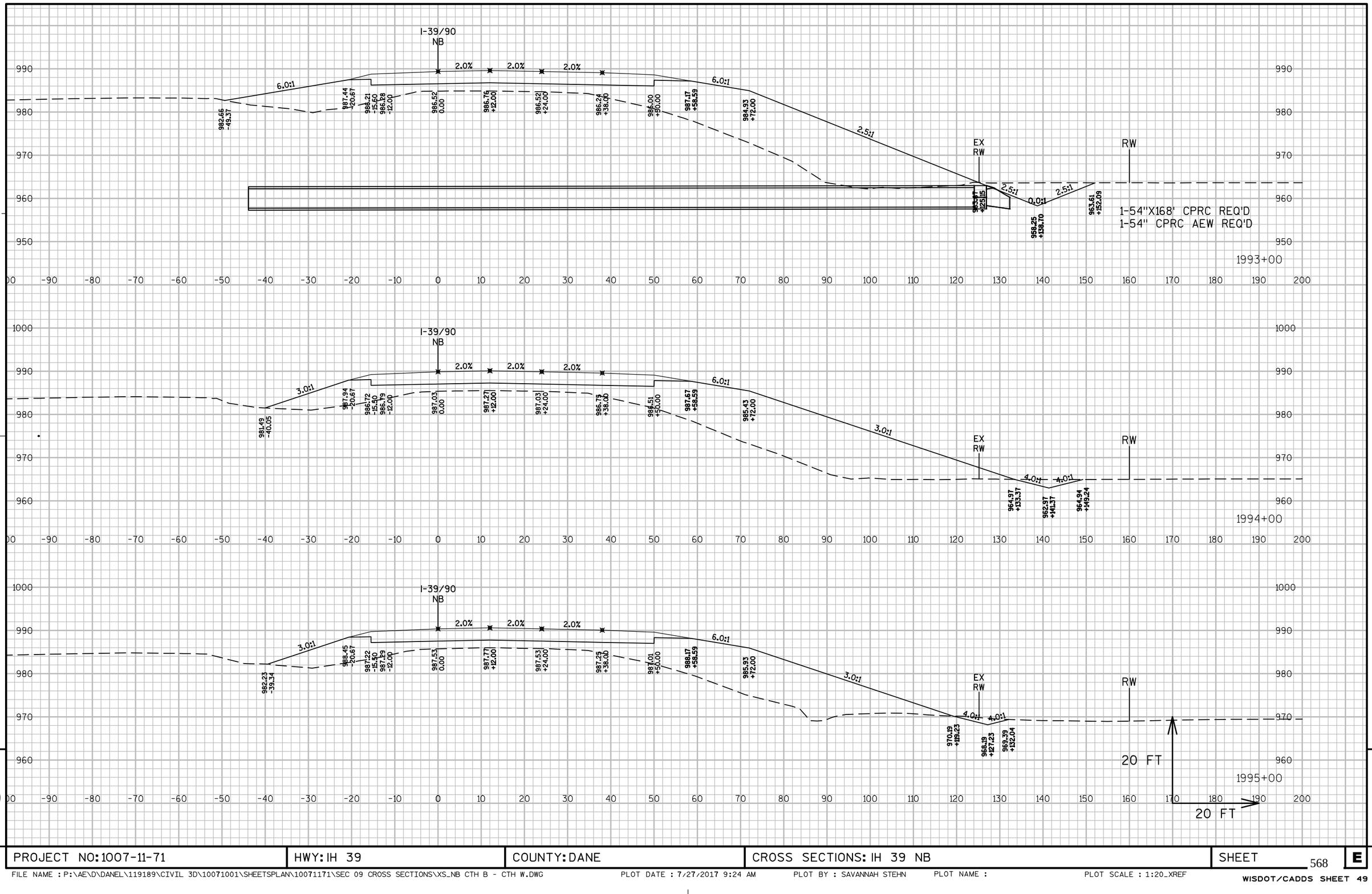
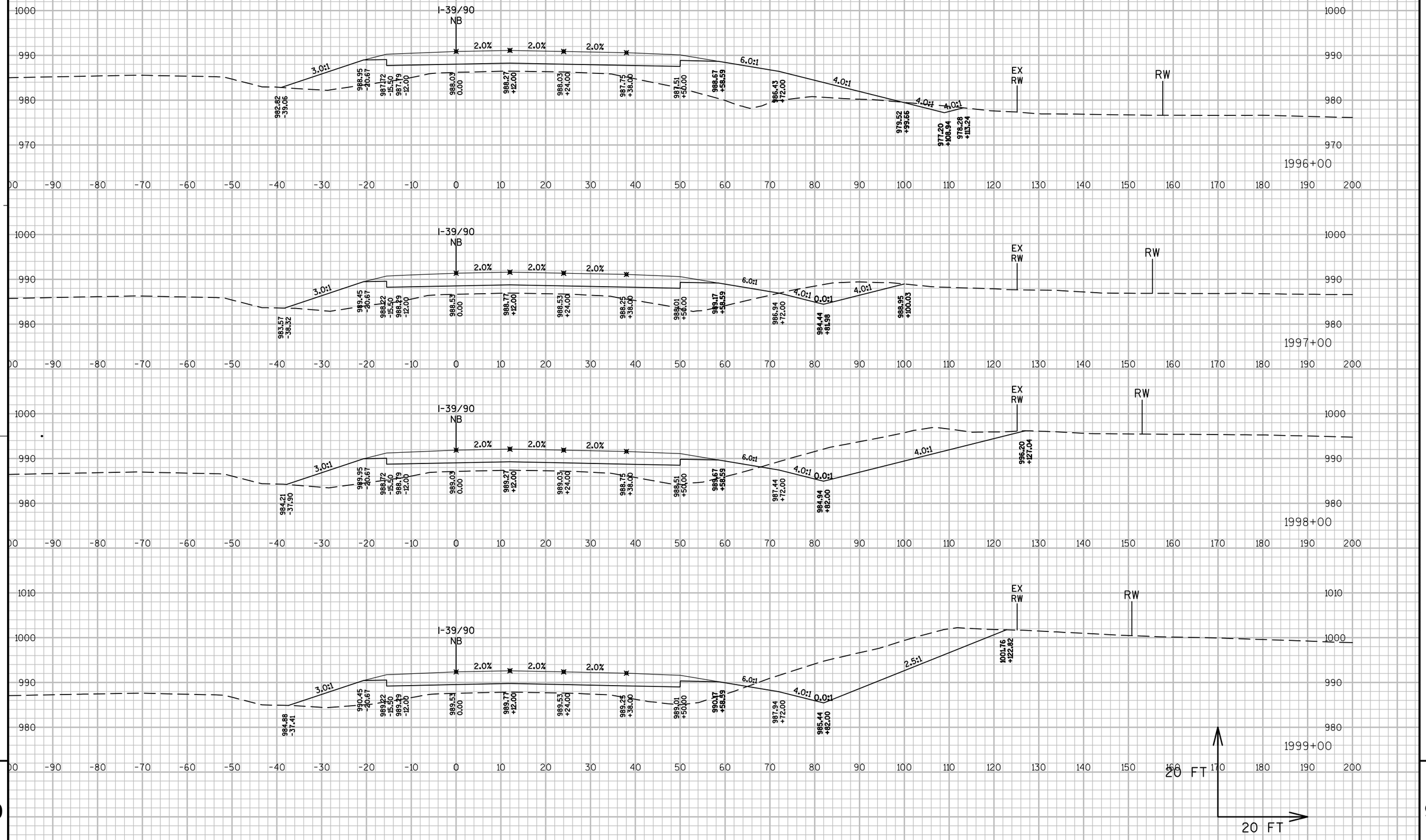


PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 568	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 7/27/2017 9:24 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 569	E

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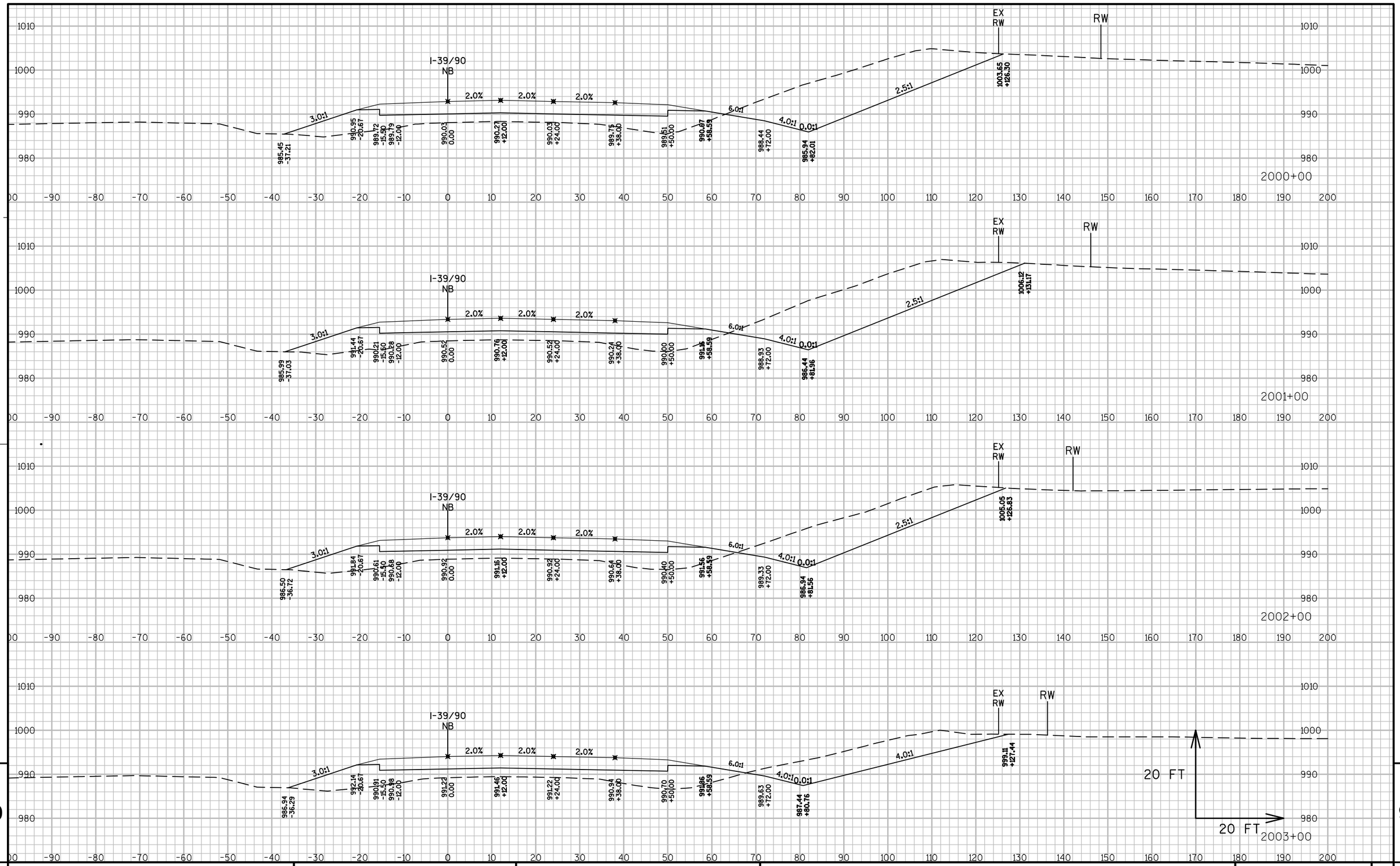

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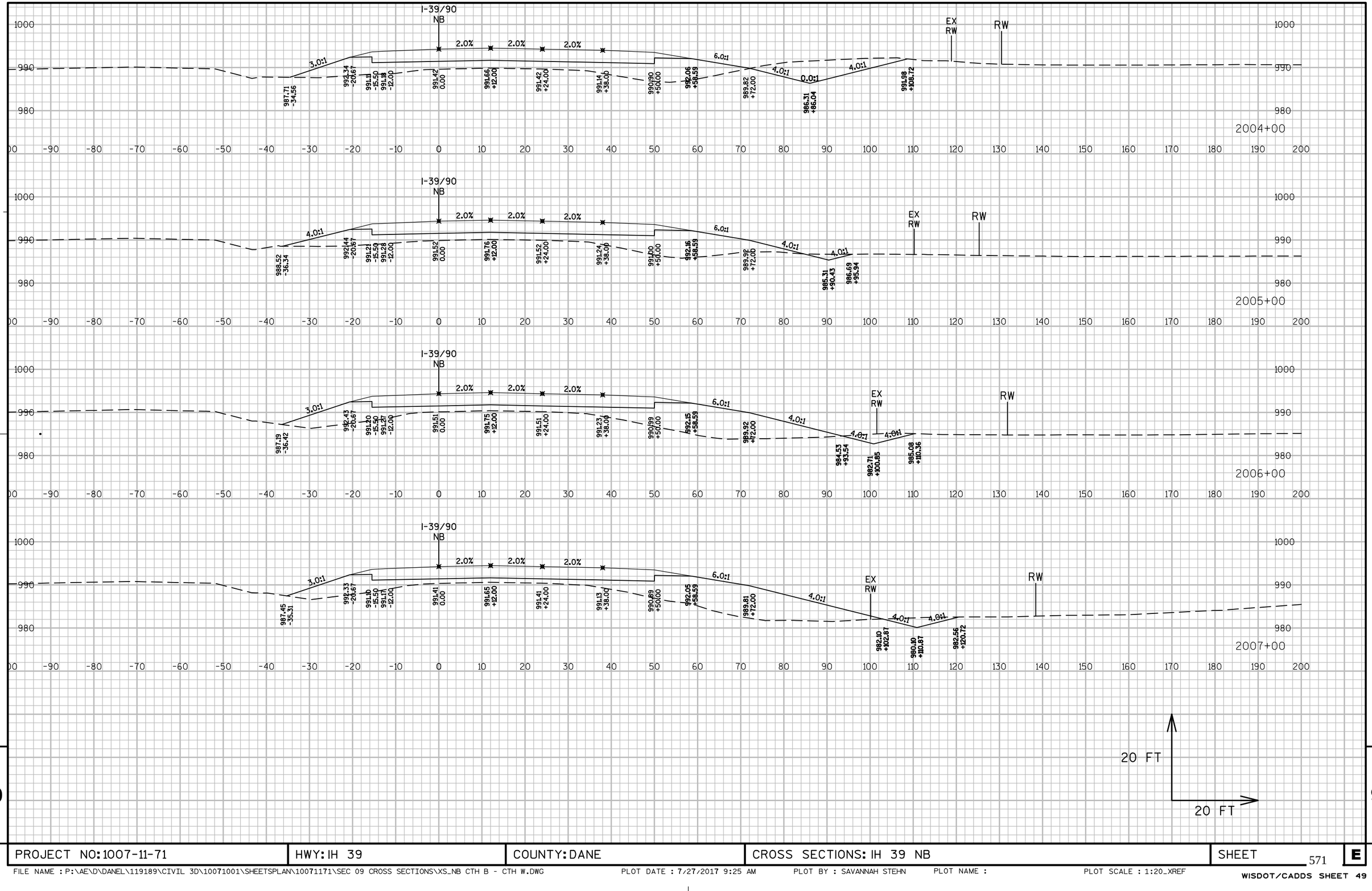
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 570	E

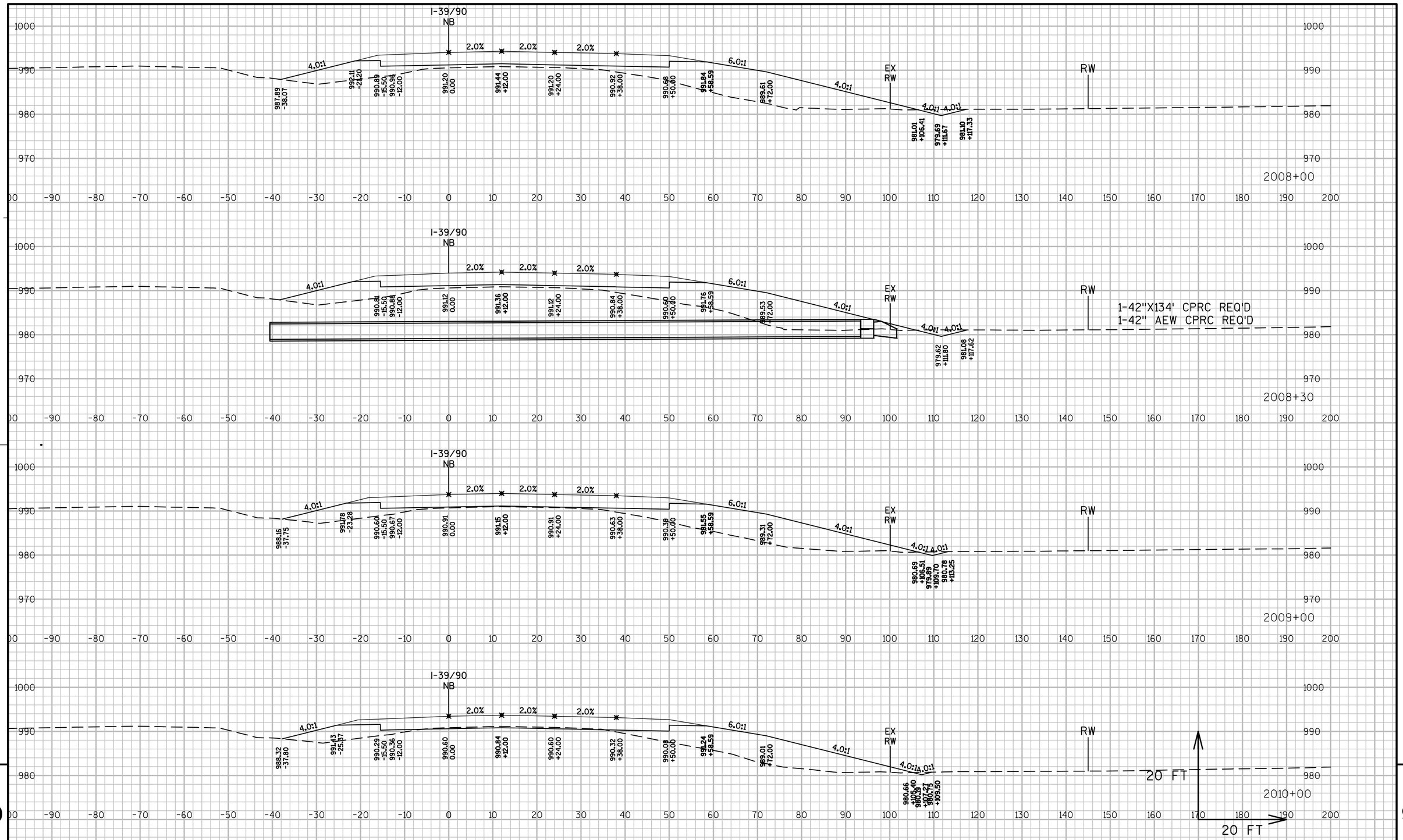
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 7/27/2017 9:25 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 571	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 7/27/2017 9:25 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

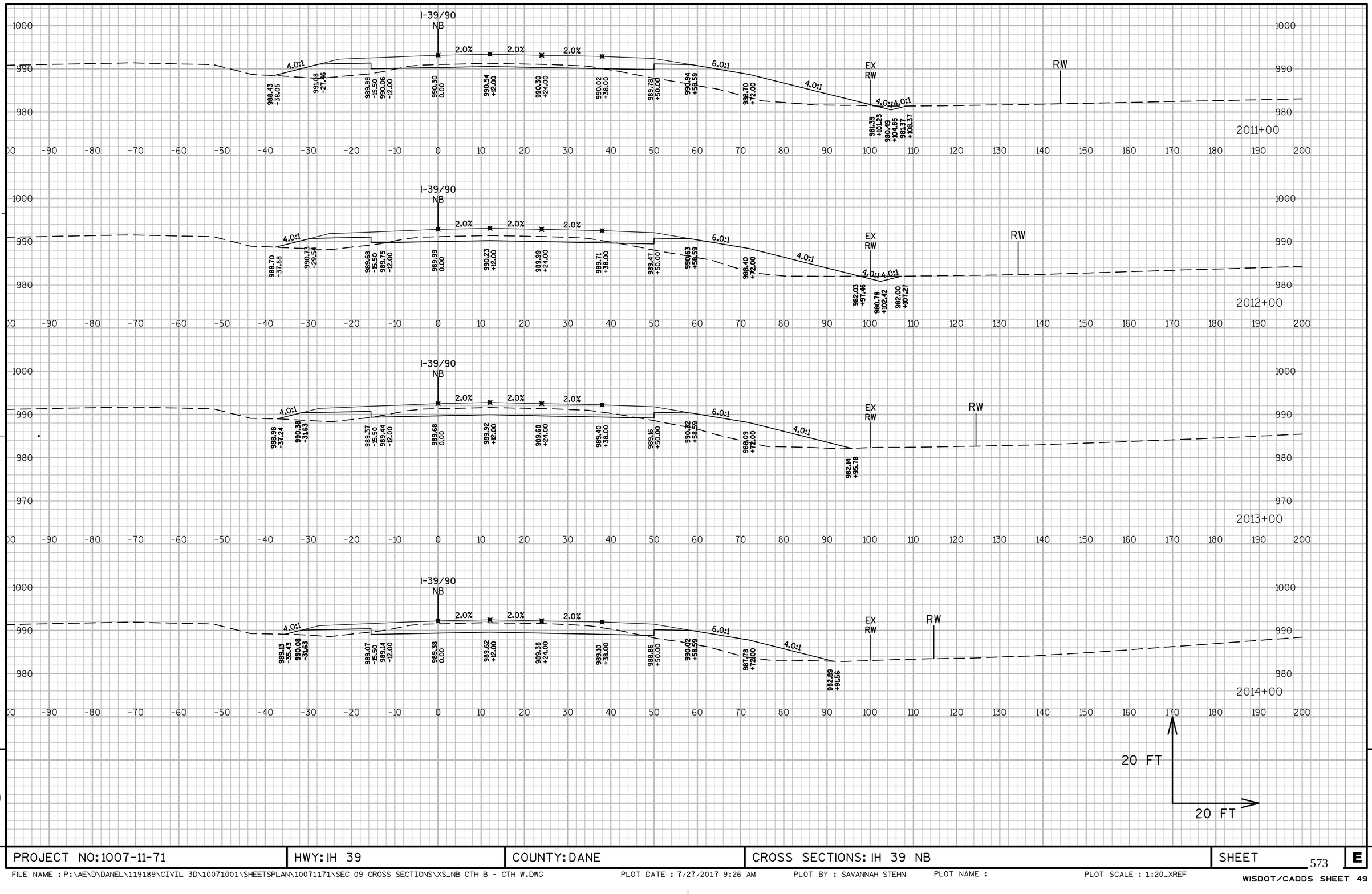


1-42"X134' CPRC REQ'D
1-42" AEW CPRC REQ'D

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 572	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 7/27/2017 9:25 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

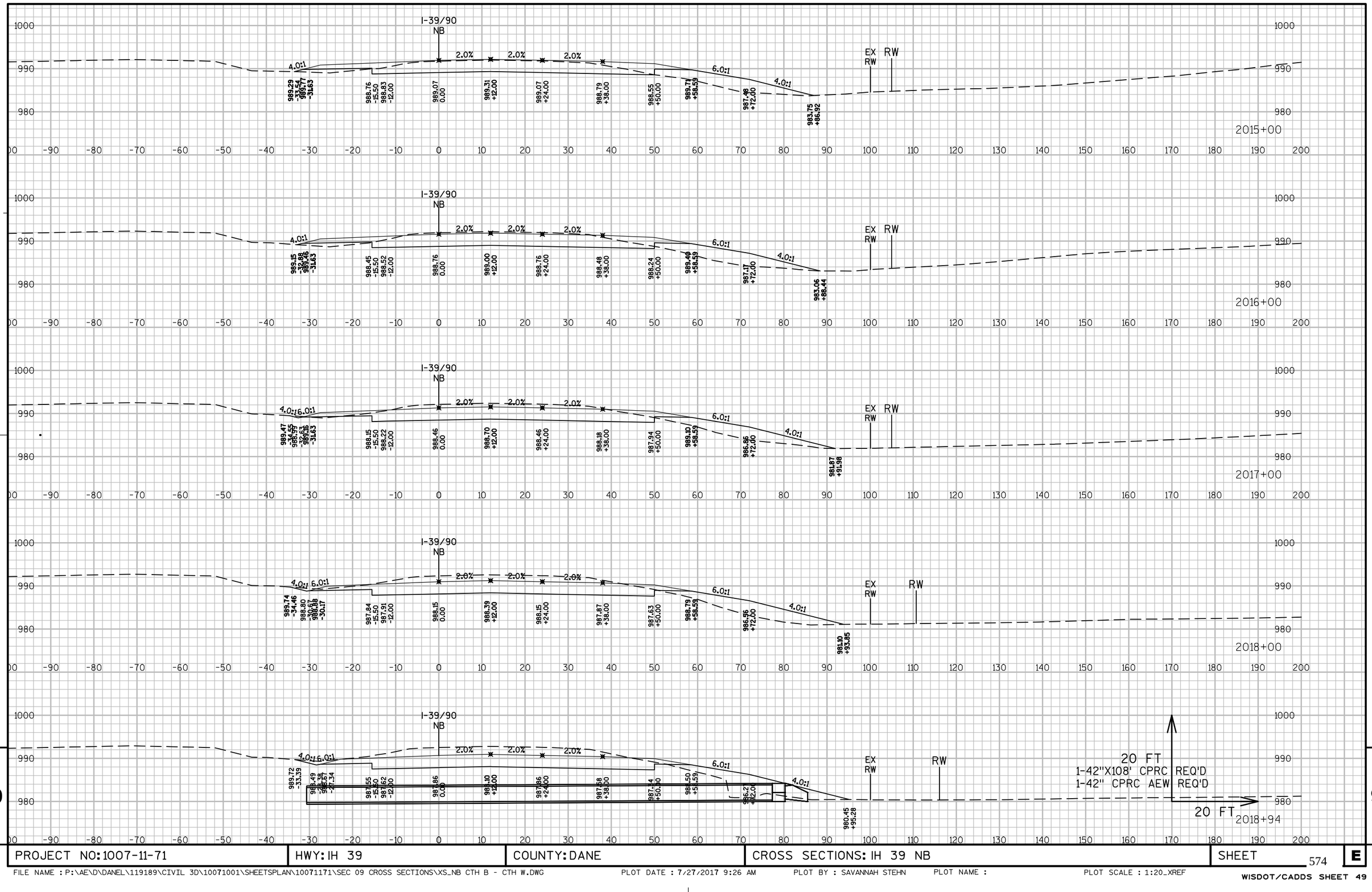
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 573	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 7/27/2017 9:26 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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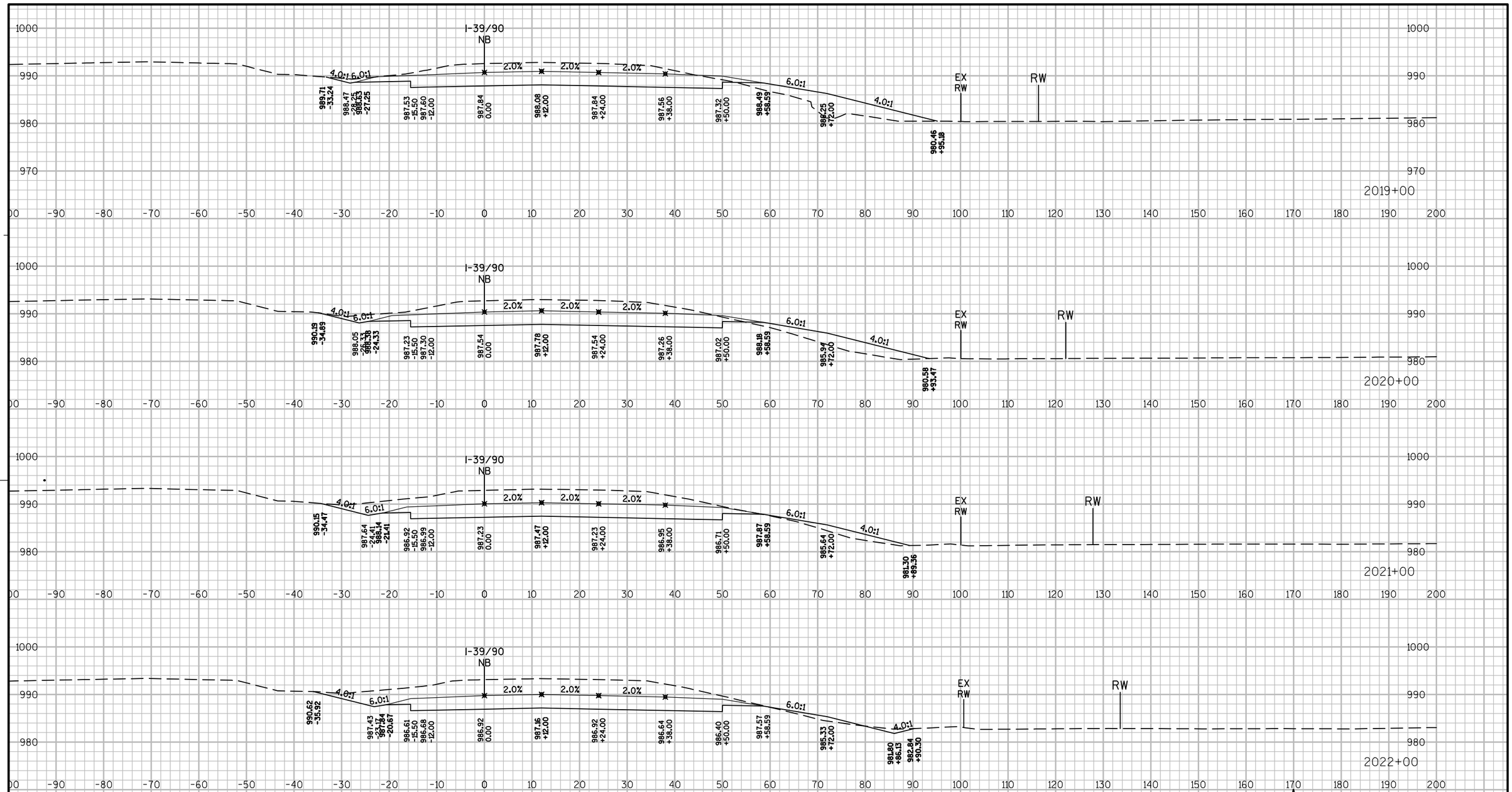
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 574	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 7/27/2017 9:26 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

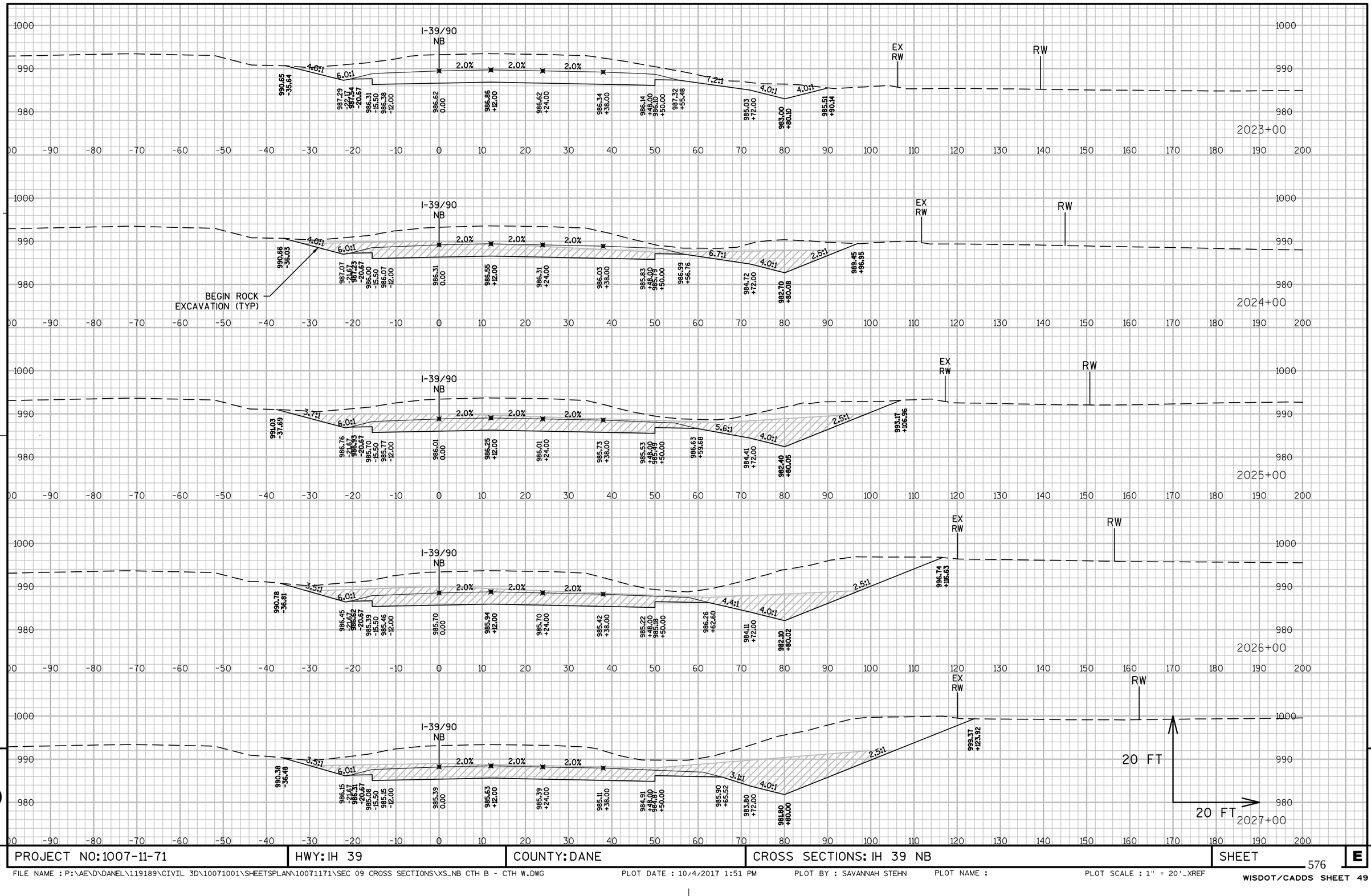
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 575	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 7/27/2017 9:26 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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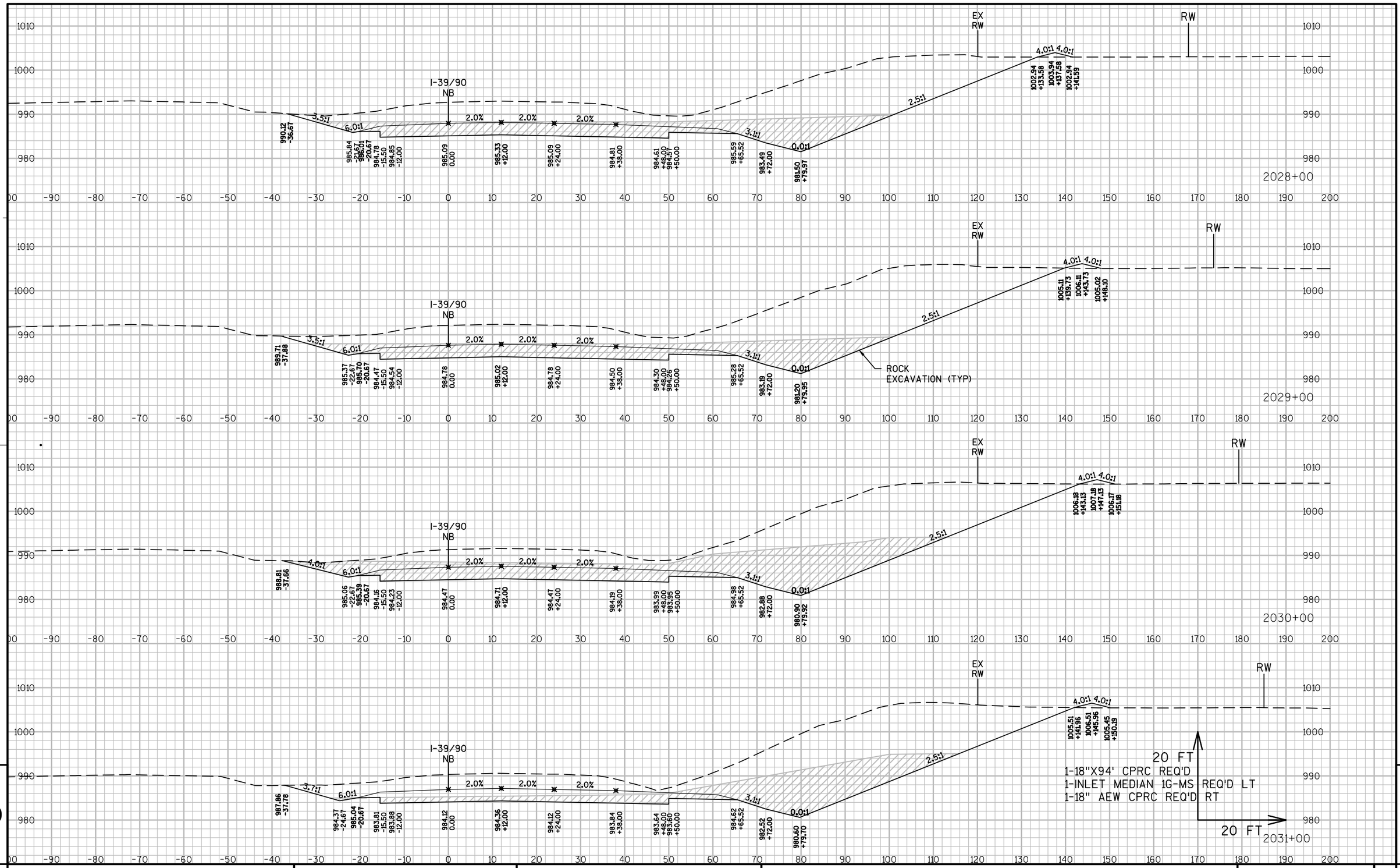
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET	E

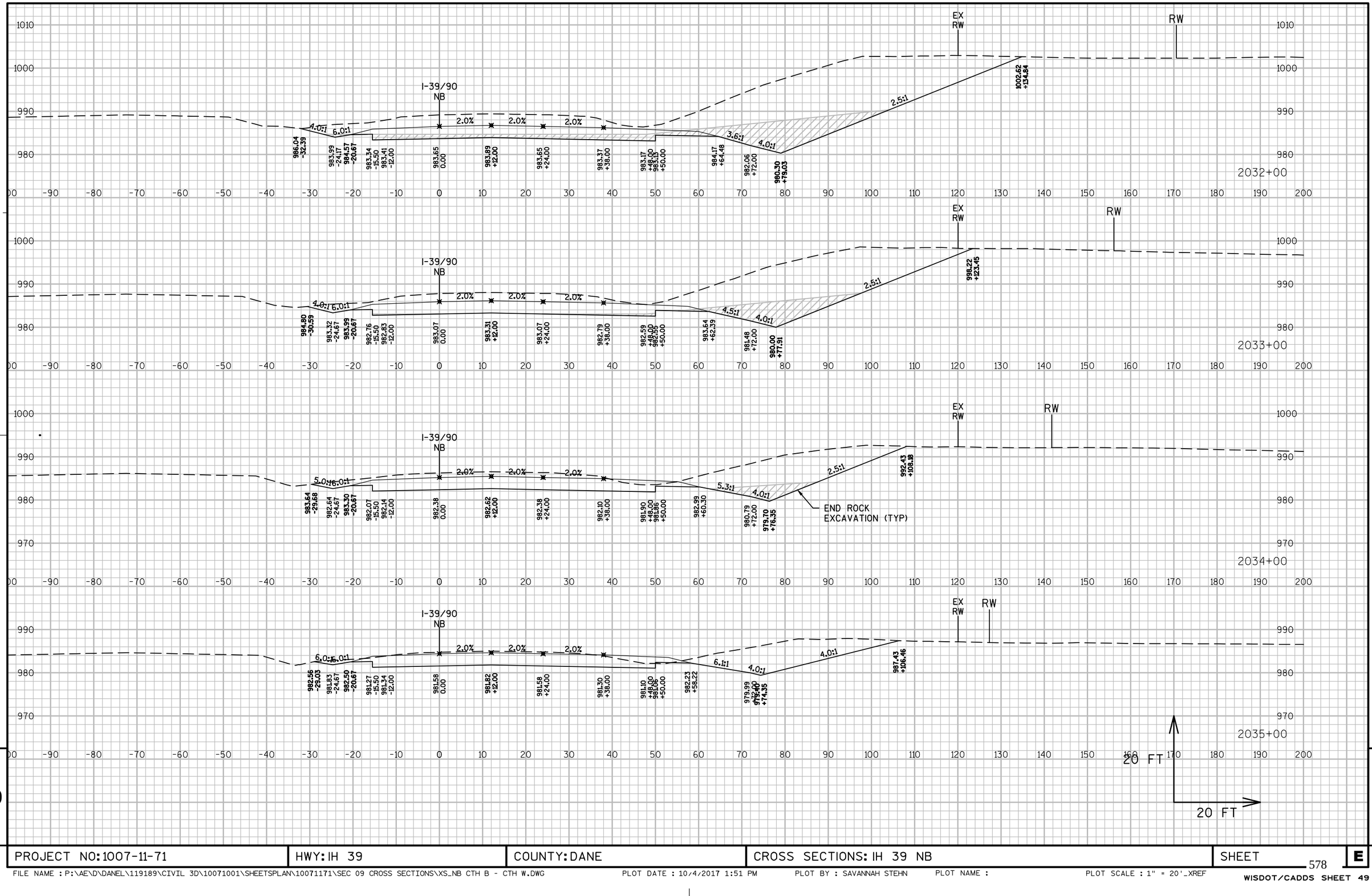
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 10/4/2017 1:51 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 577	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 10/4/2017 1:51 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

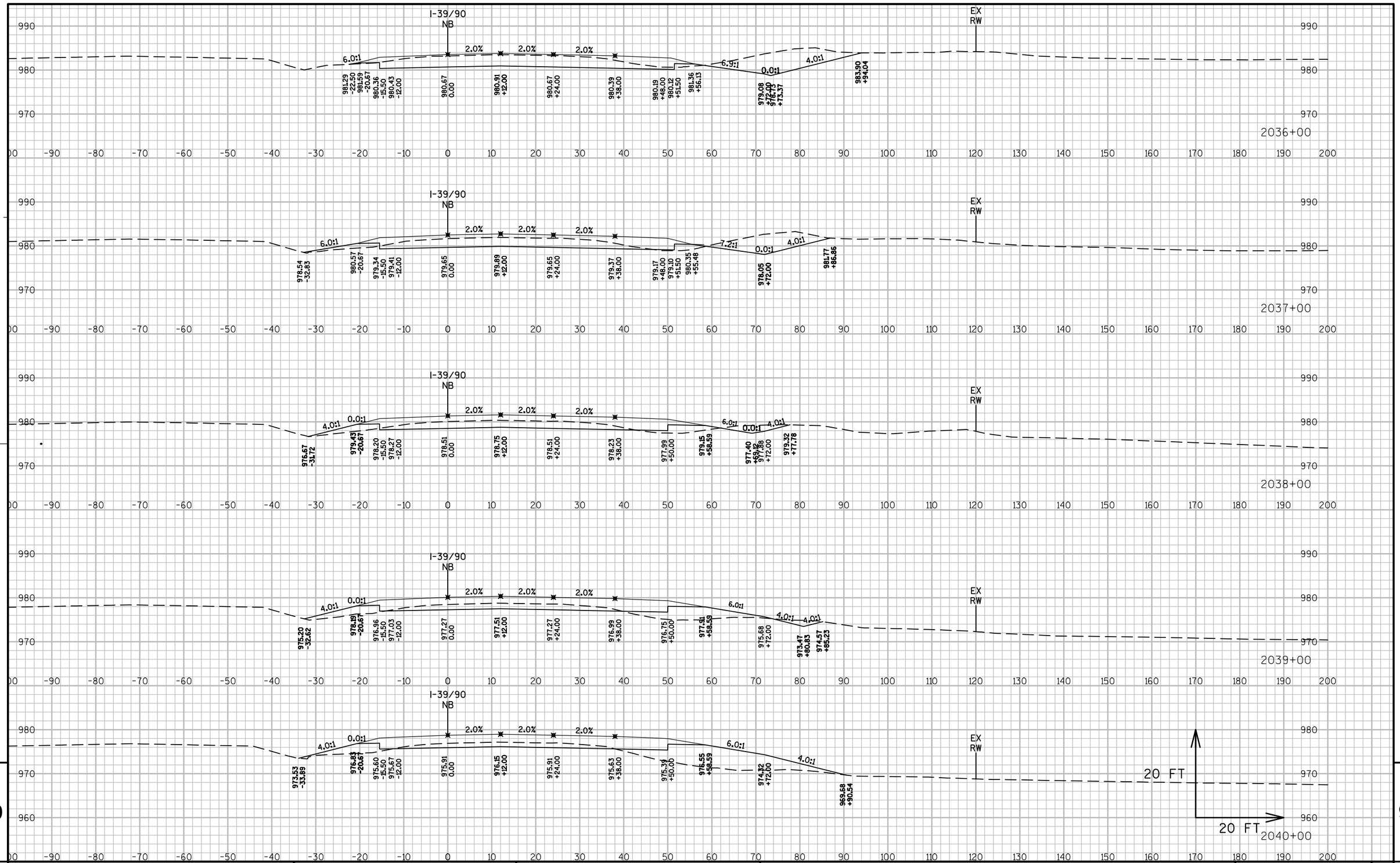
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 578	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 10/4/2017 1:51 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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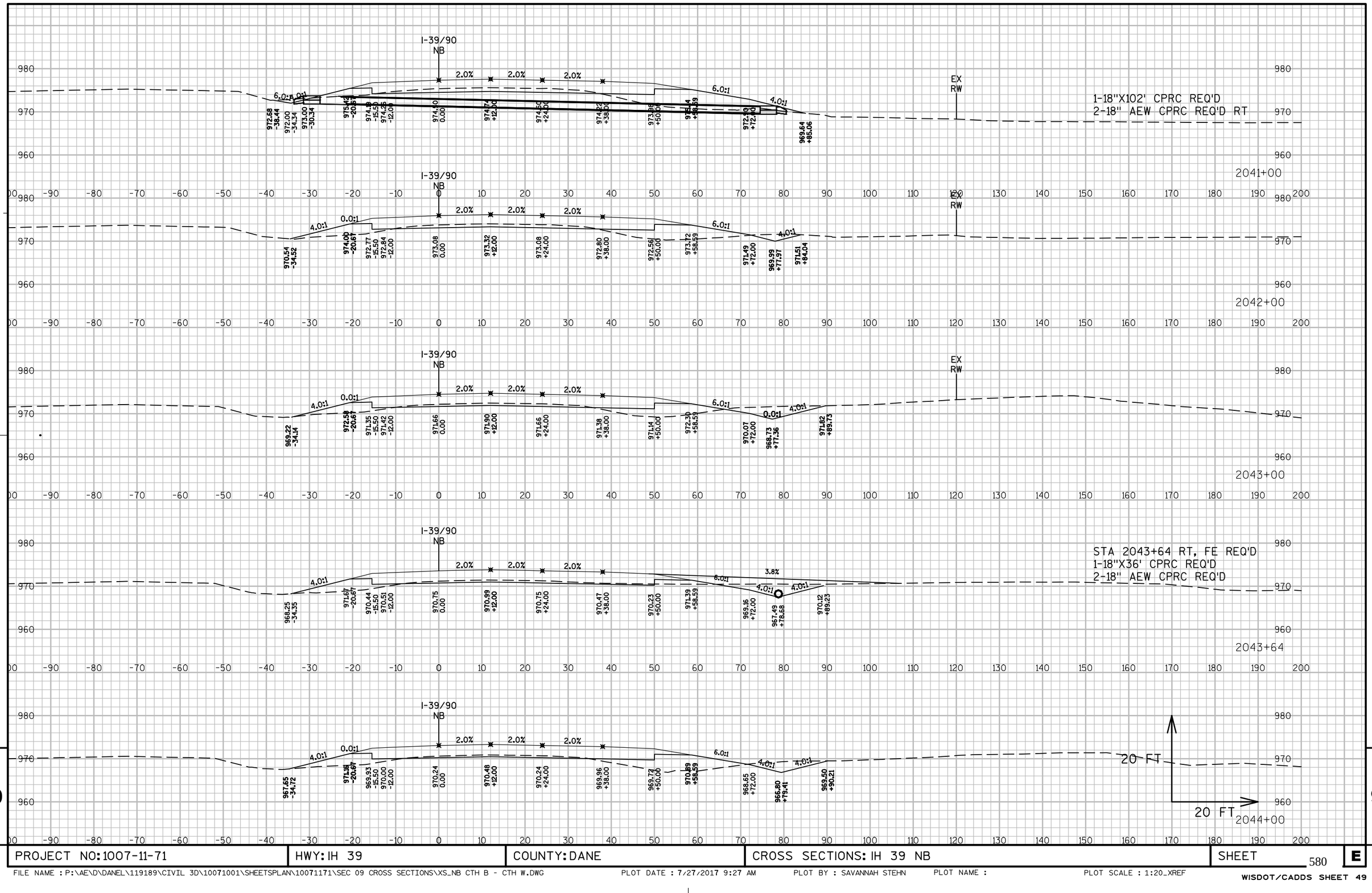
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 579	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 7/27/2017 9:27 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

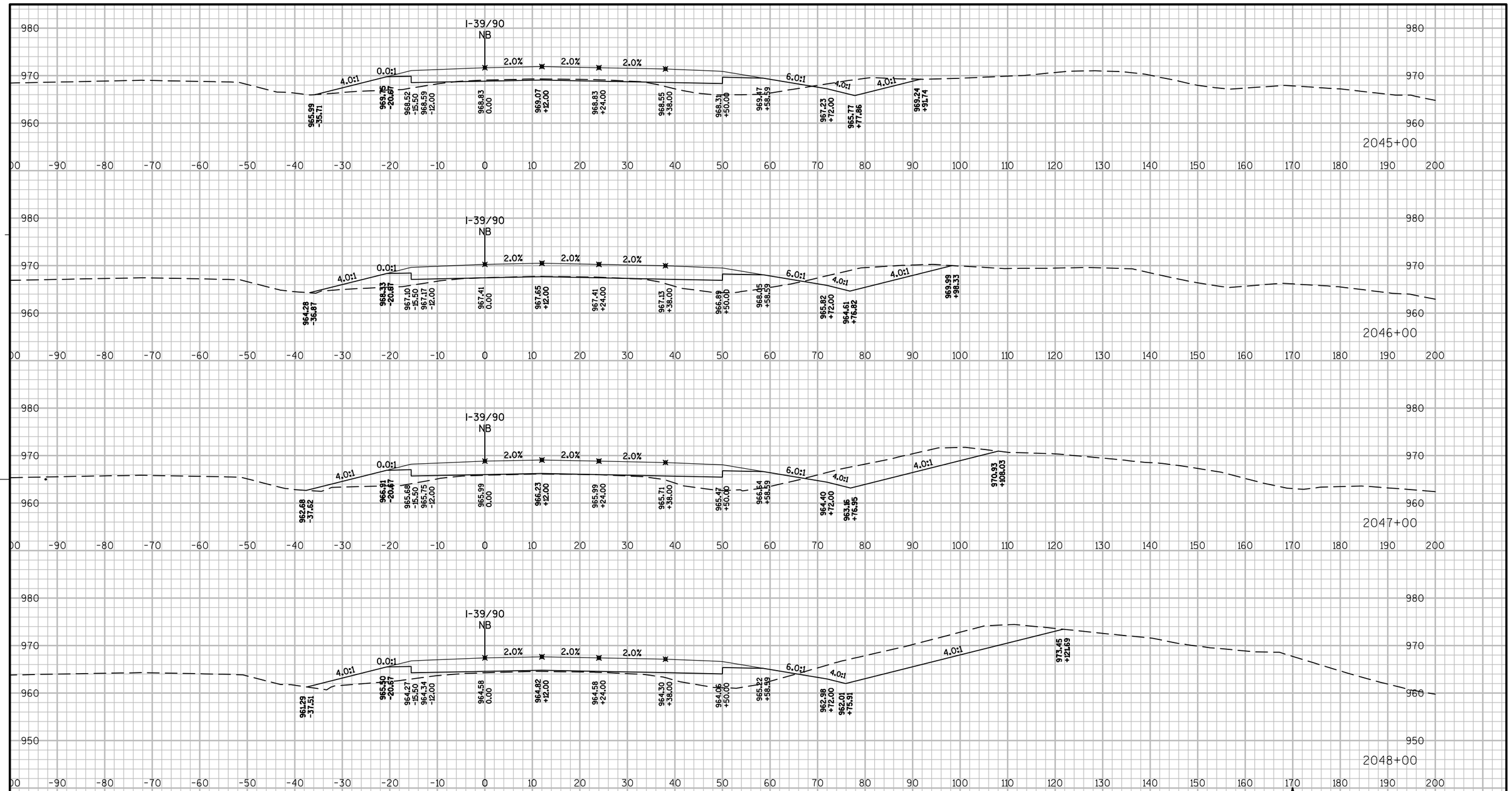
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 580	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 7/27/2017 9:27 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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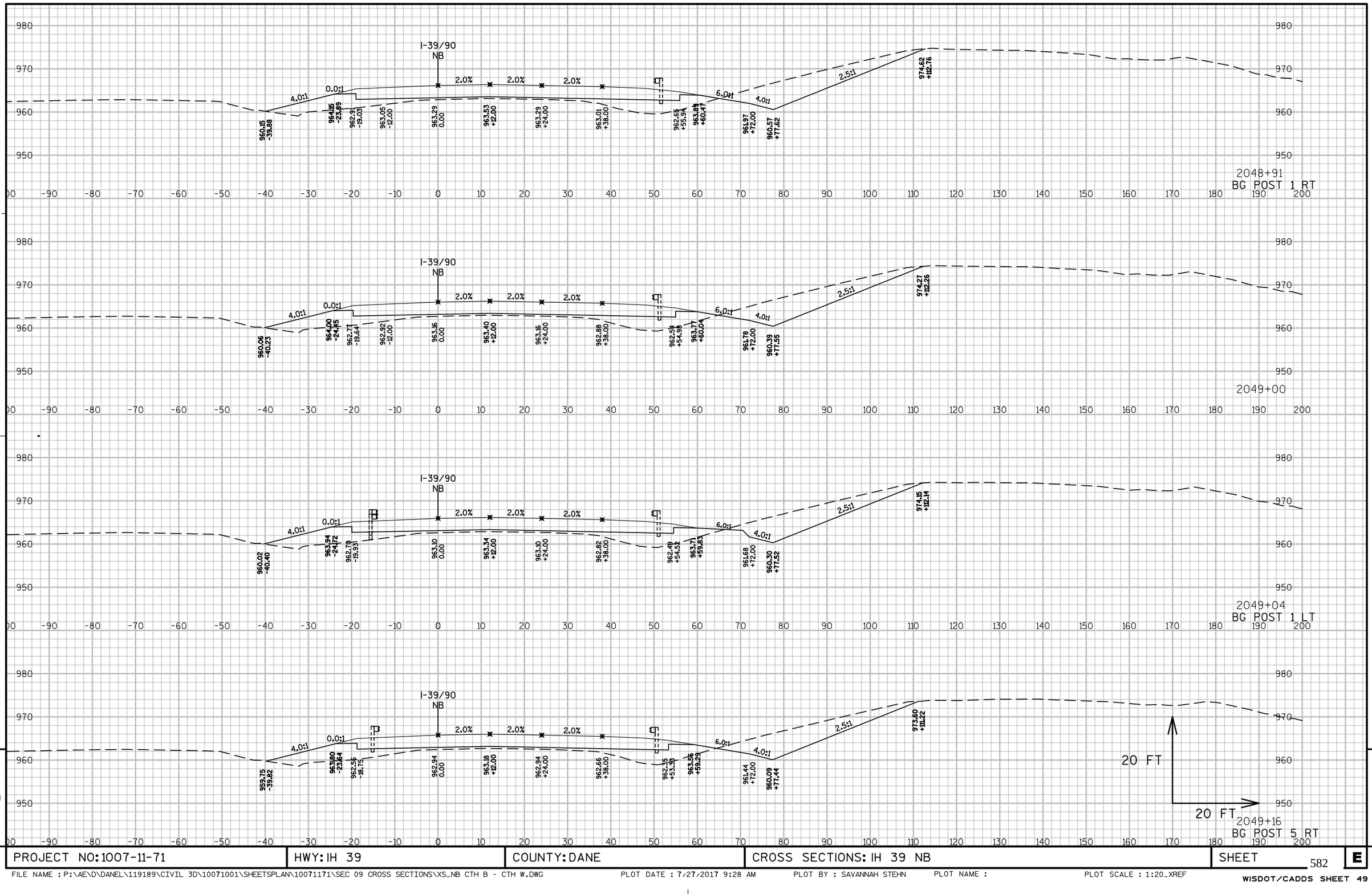
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 581	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 7/27/2017 9:28 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

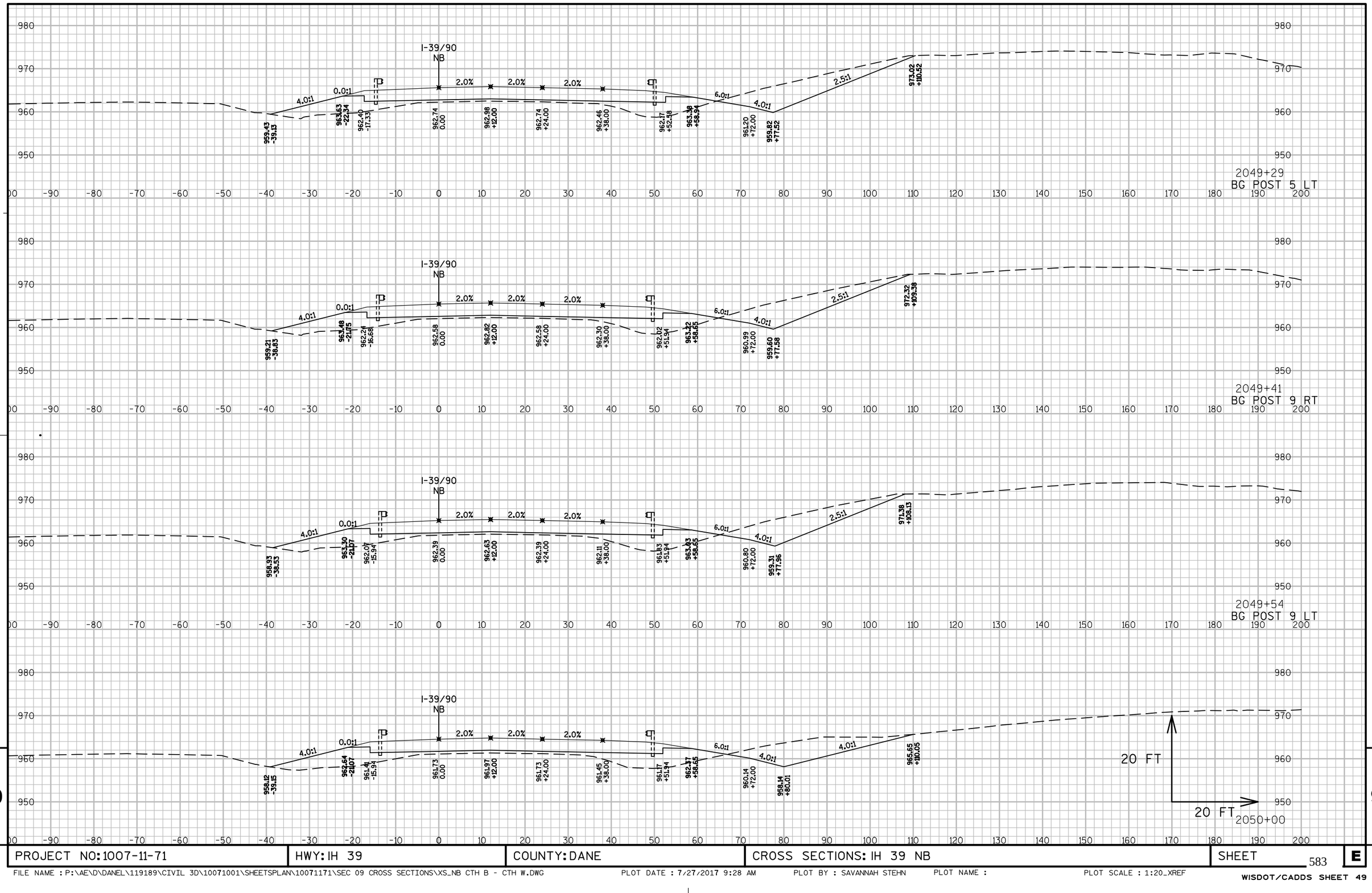
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 582	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 7/27/2017 9:28 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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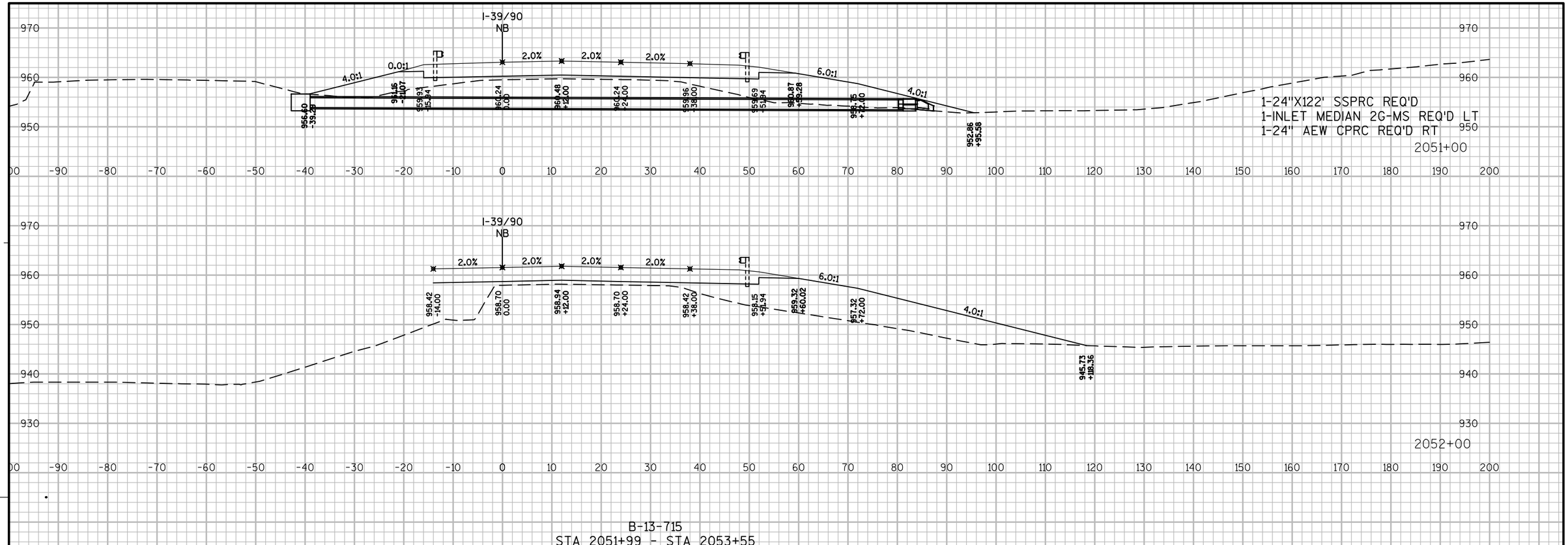
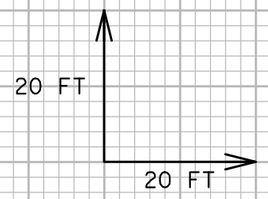
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 583	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 7/27/2017 9:28 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF



B-13-715
STA 2051+99 - STA 2053+55



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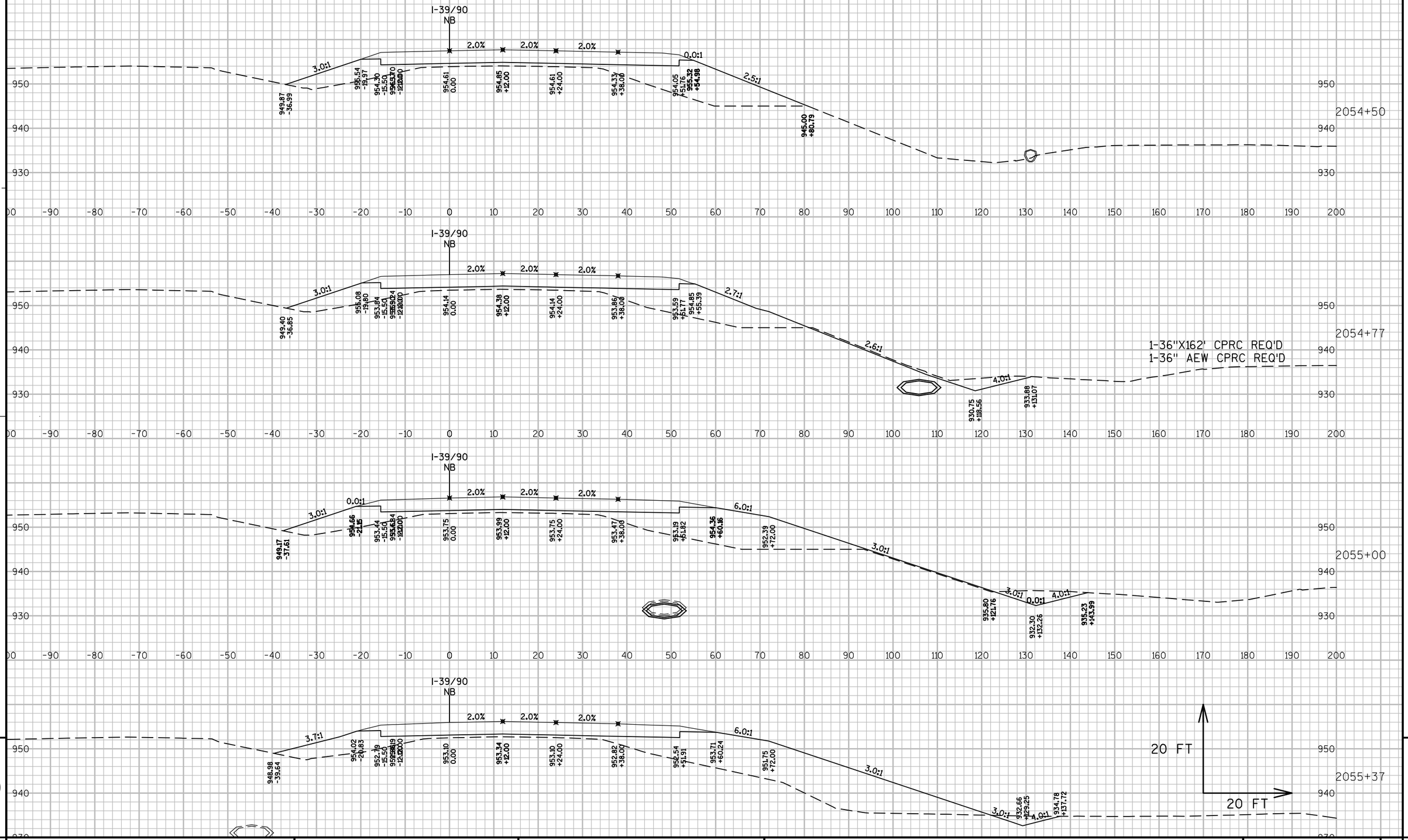
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 584	E

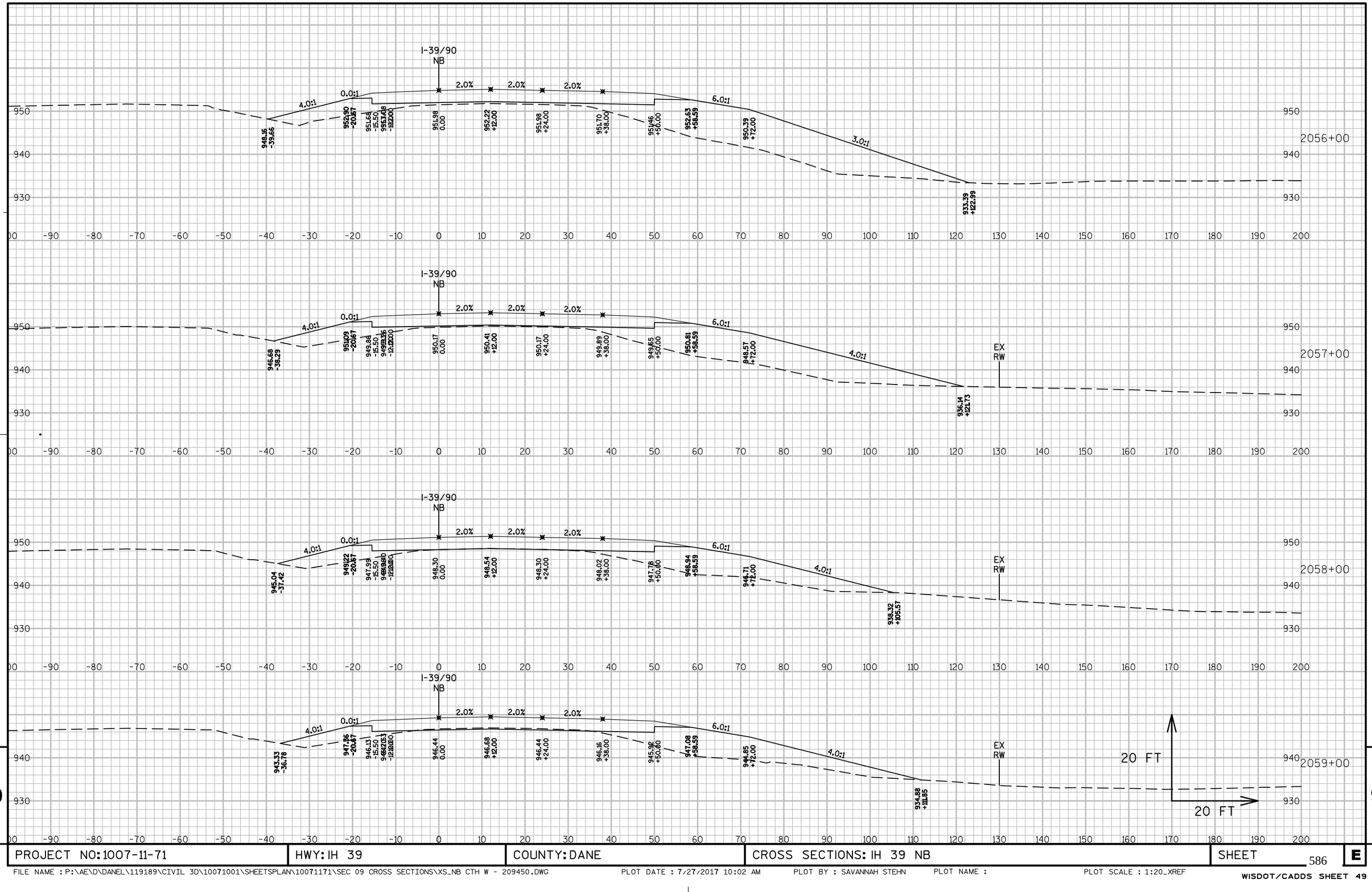
B-13-715
STA 2051+99 - STA 2053+55



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 585	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH W - 209450.DWG PLOT DATE : 7/27/2017 10:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

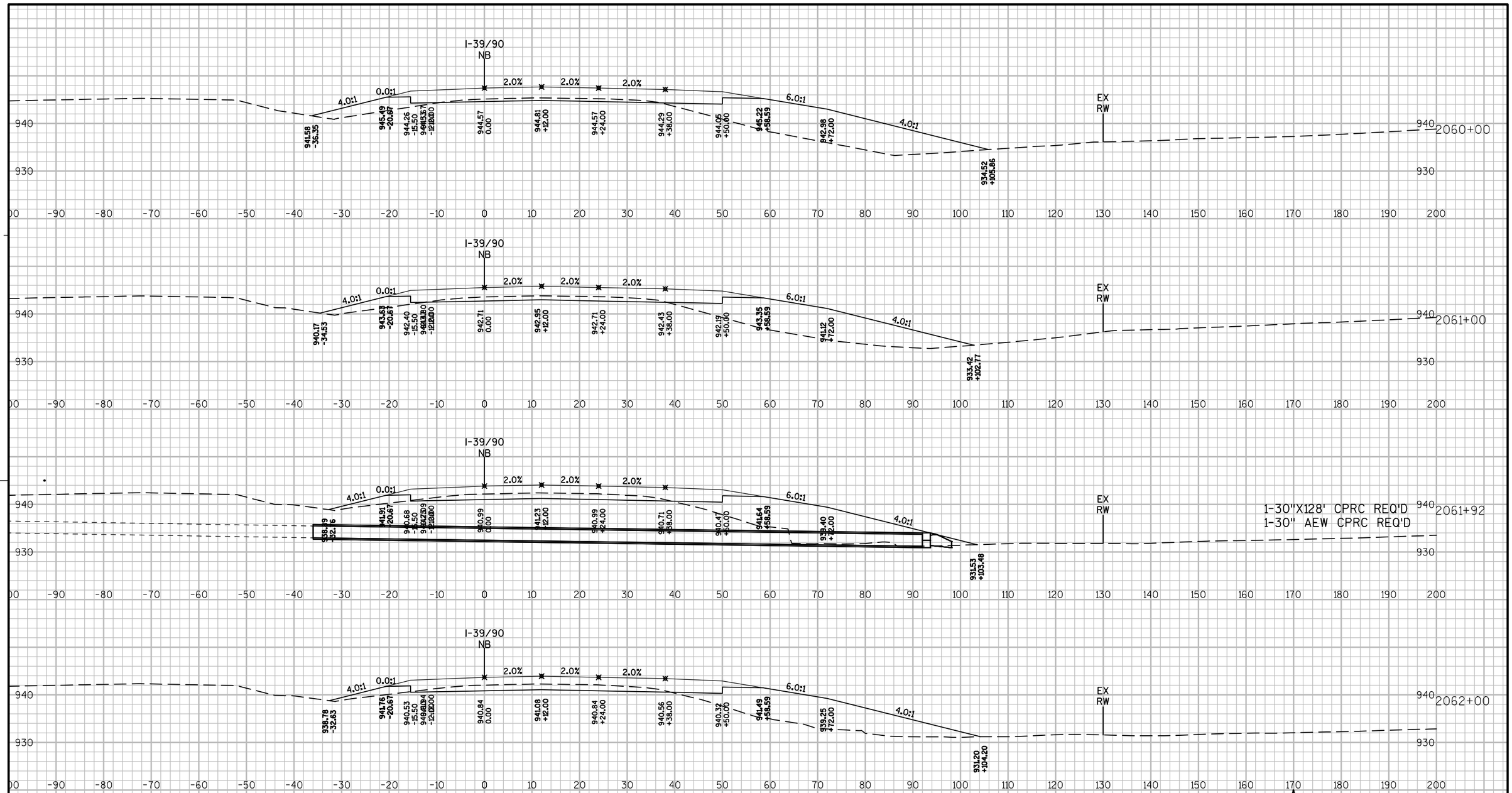
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 586	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH W - 209450.DWG PLOT DATE : 7/27/2017 10:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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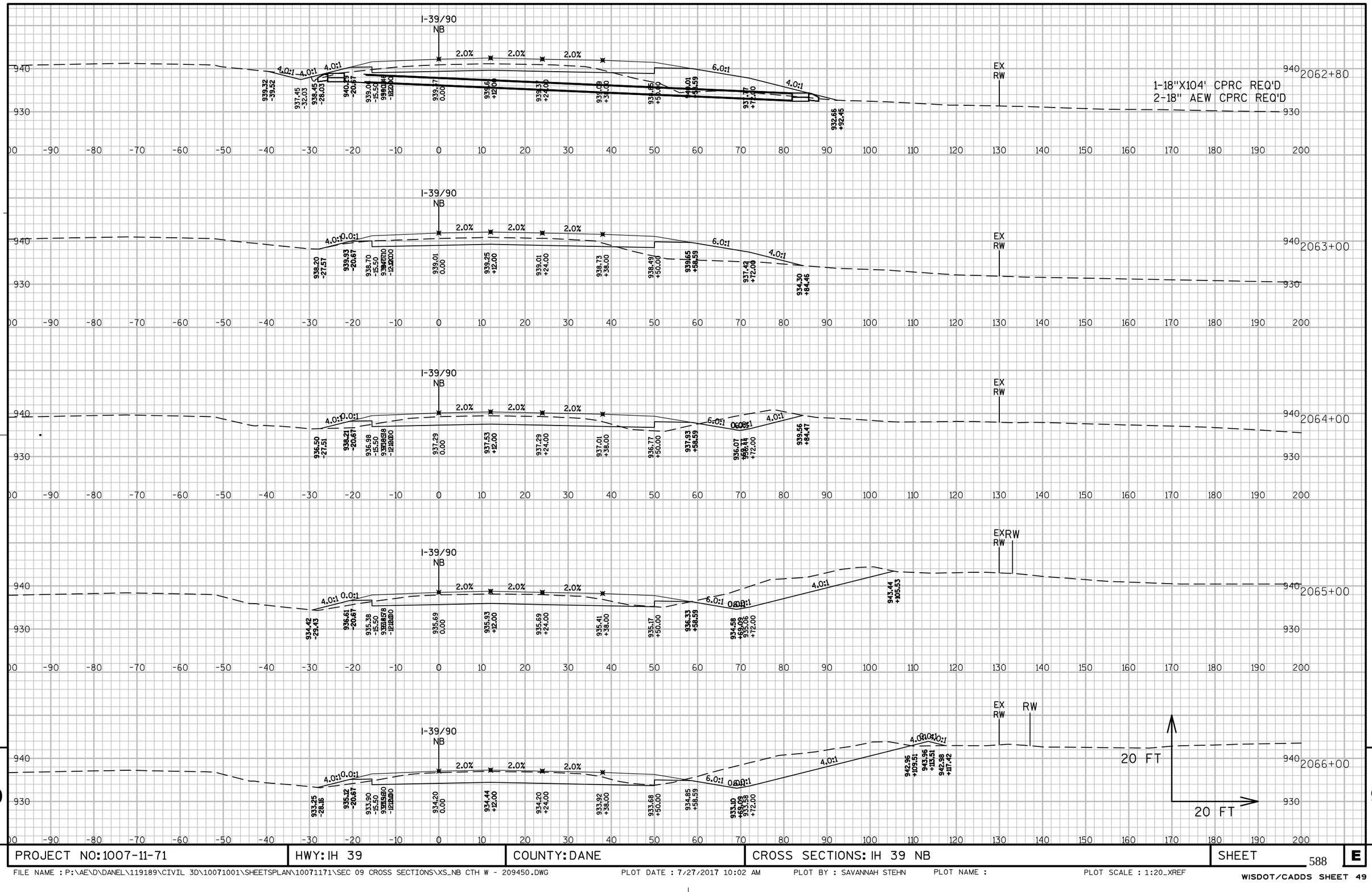
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 587	E

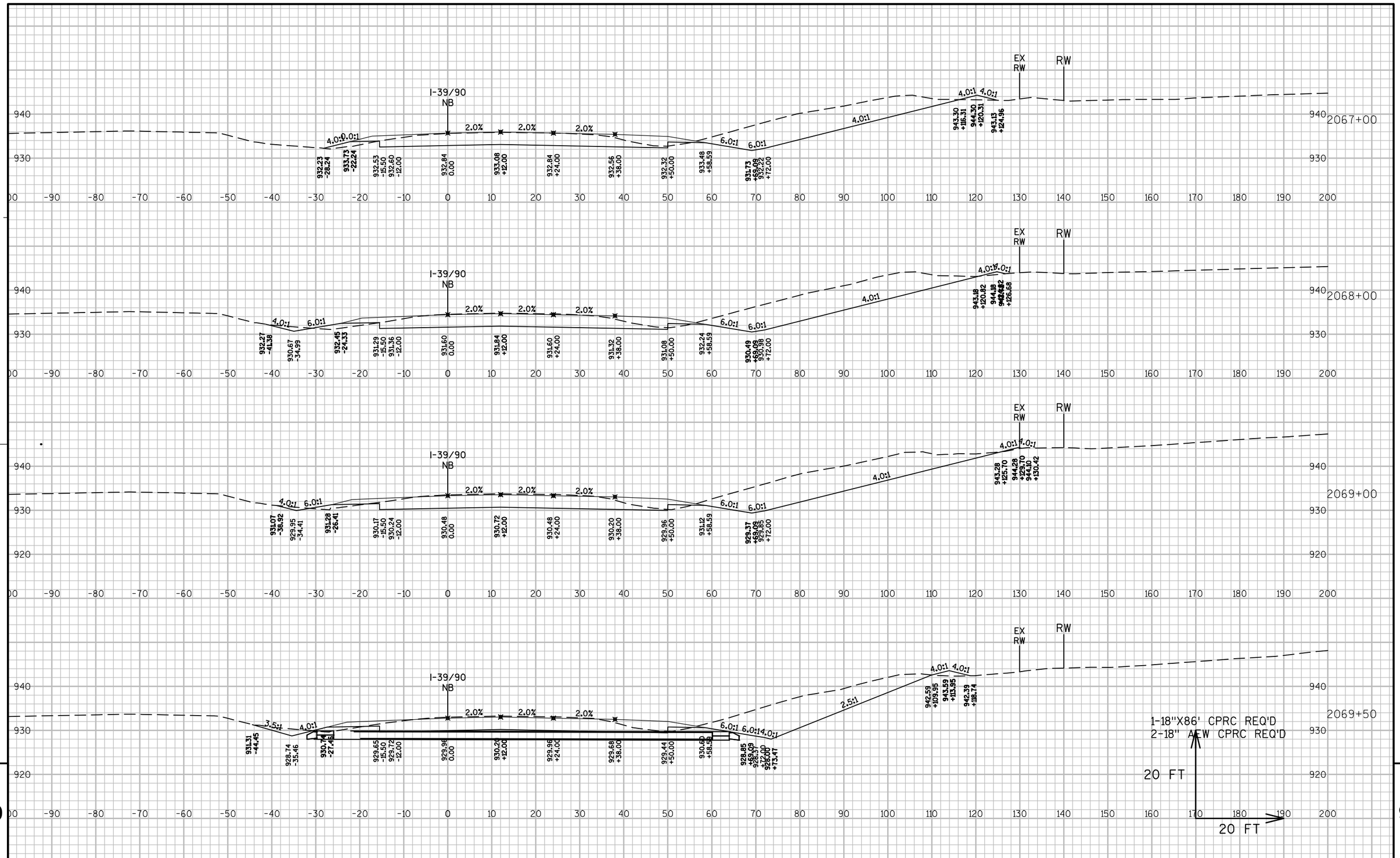
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH W - 209450.DWG PLOT DATE : 7/27/2017 10:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 588 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH W - 209450.DWG PLOT DATE : 7/27/2017 10:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

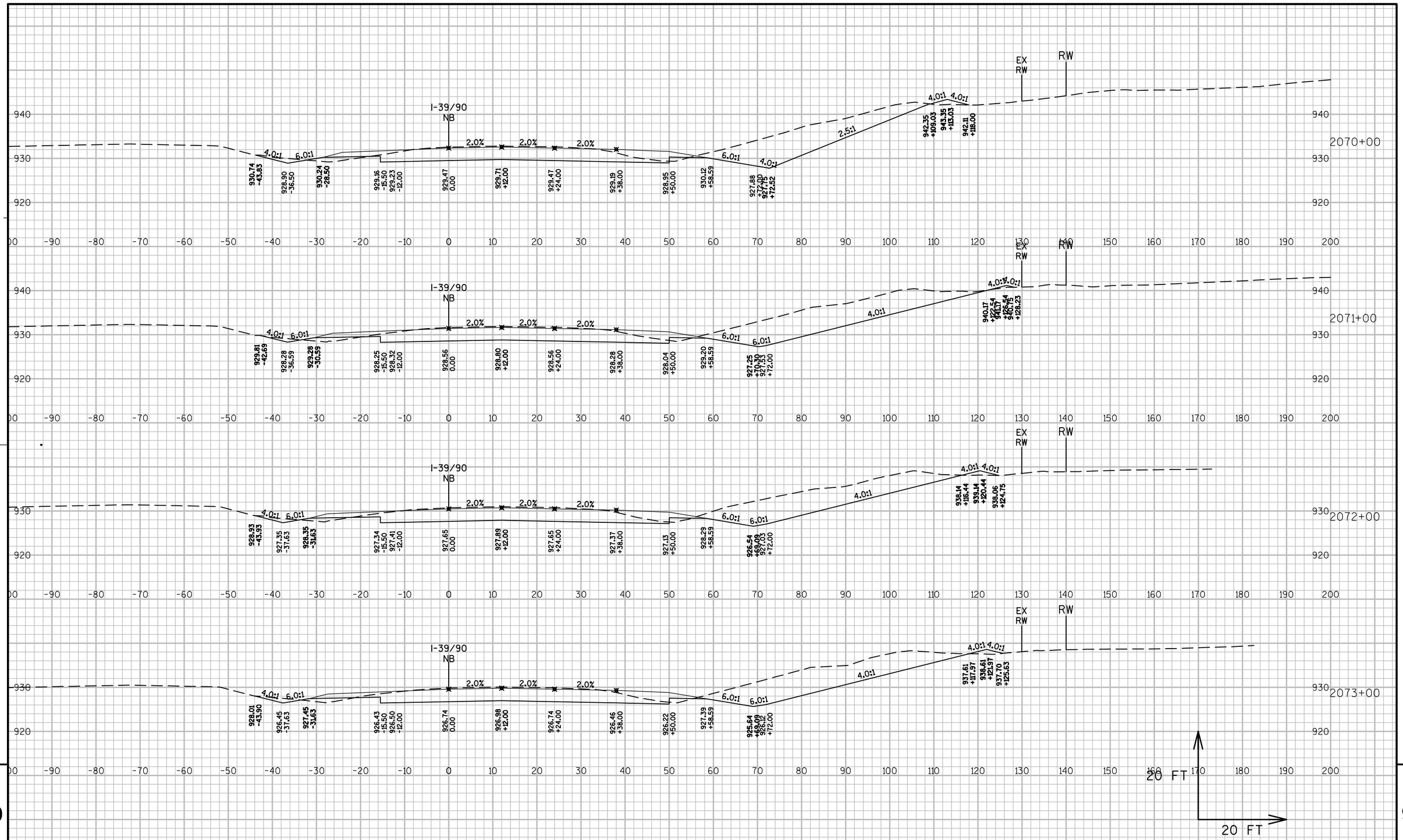
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 589	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH W - 209450.DWG PLOT DATE : 7/27/2017 10:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

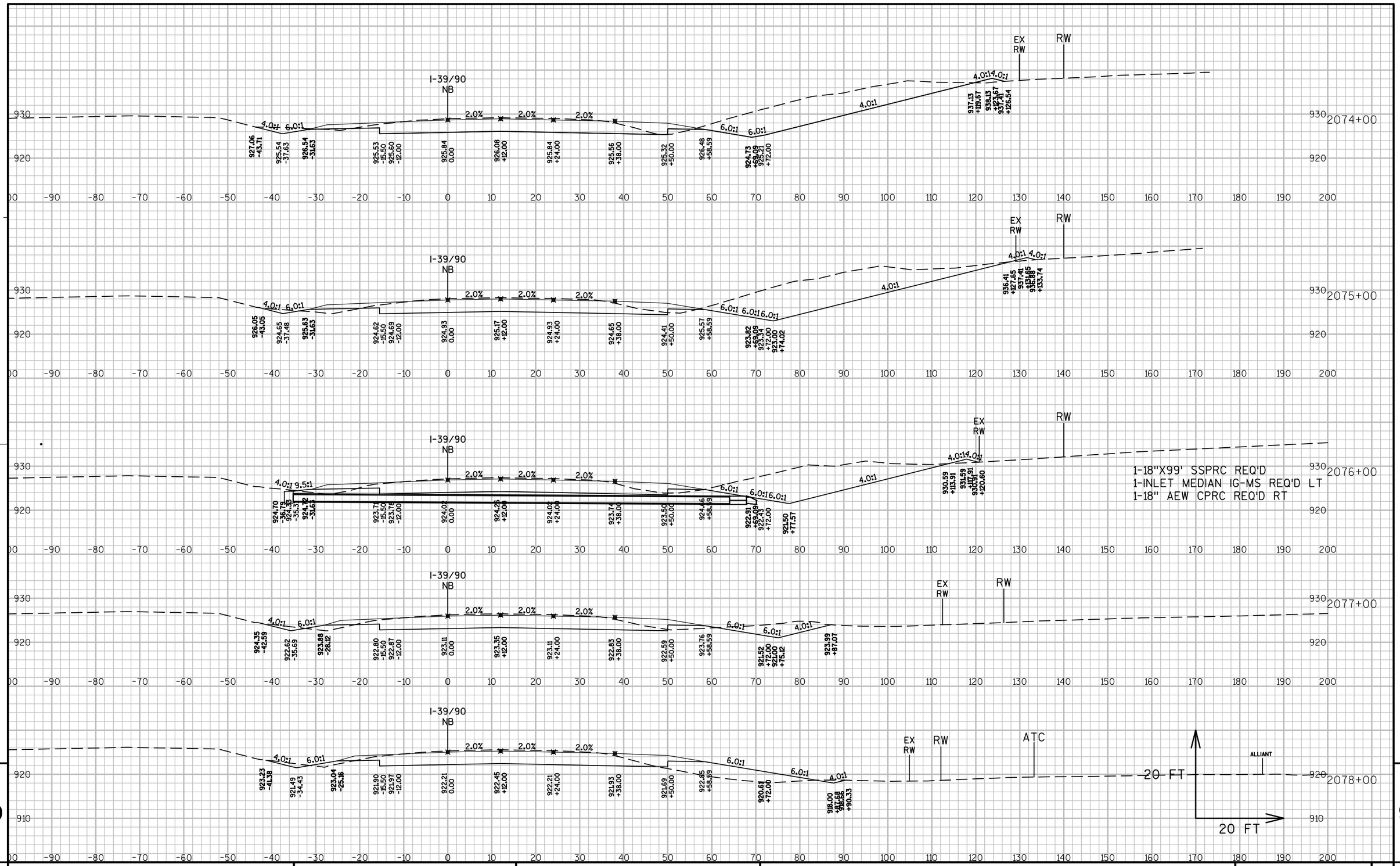
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 590	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH W - 209450.DWG PLOT DATE : 7/27/2017 10:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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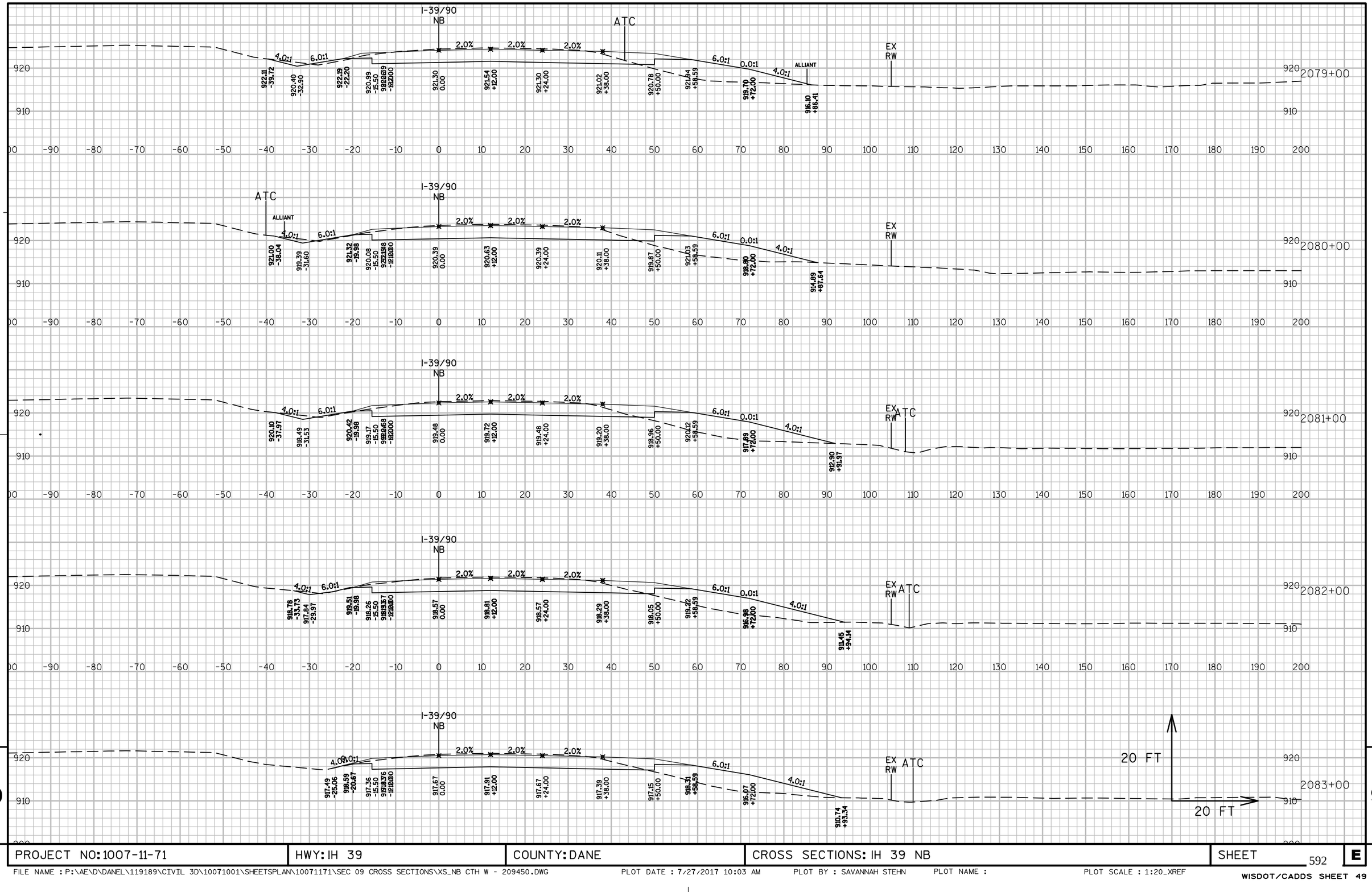
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 591	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH W - 209450.DWG PLOT DATE : 7/27/2017 10:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

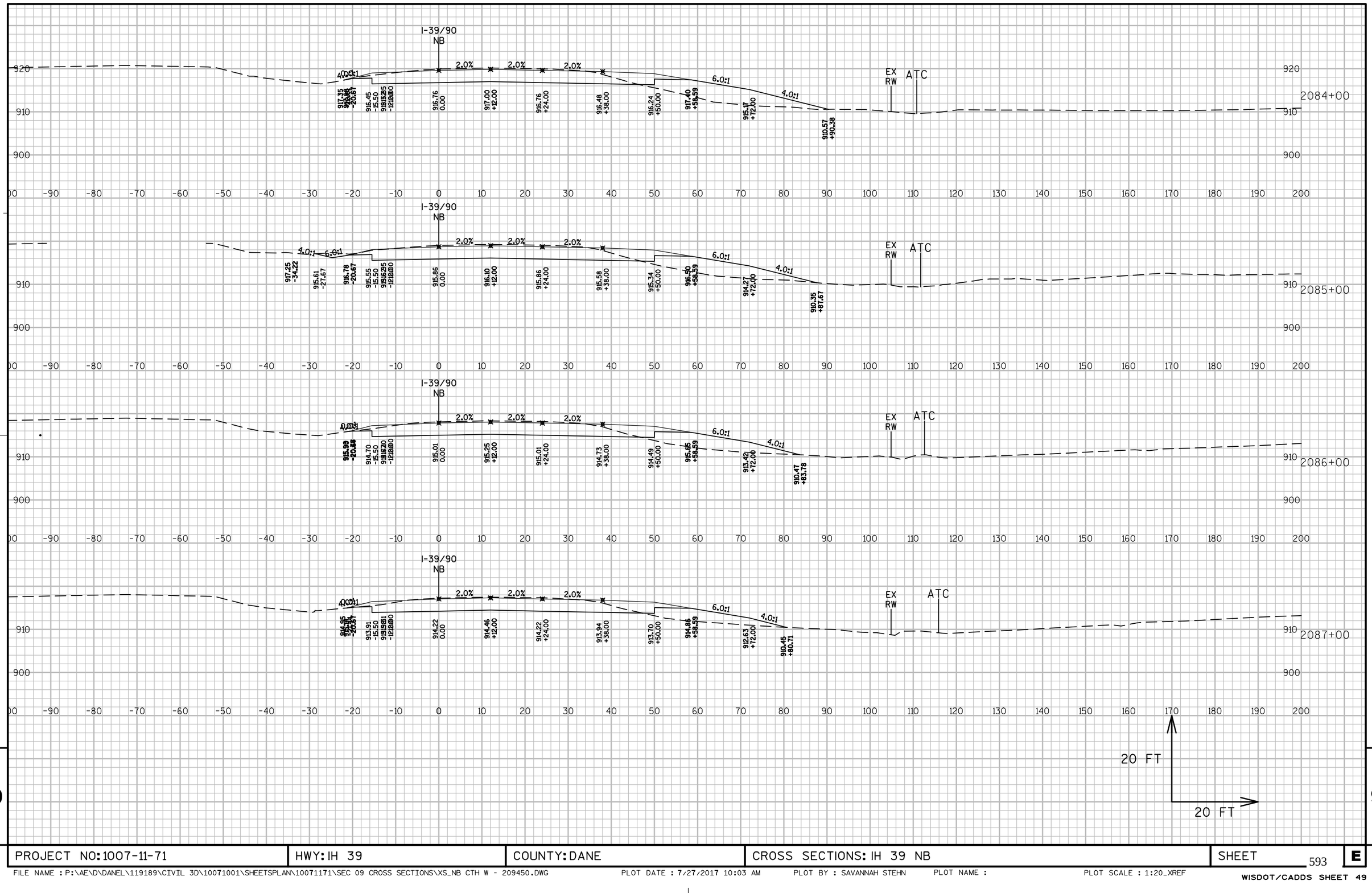
WISDOT/CADDS SHEET 49



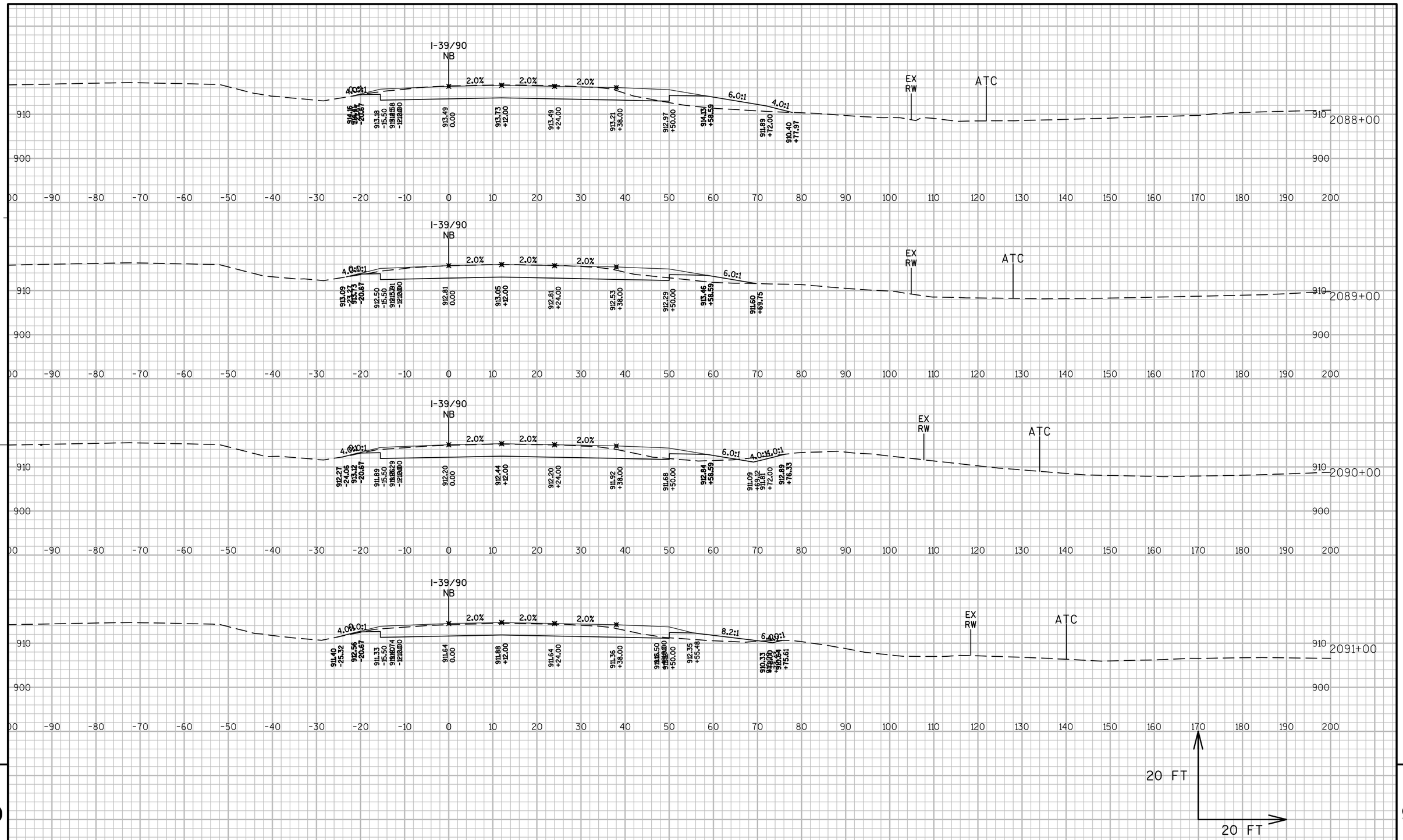
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 592	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH W - 209450.DWG PLOT DATE : 7/27/2017 10:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 593	E



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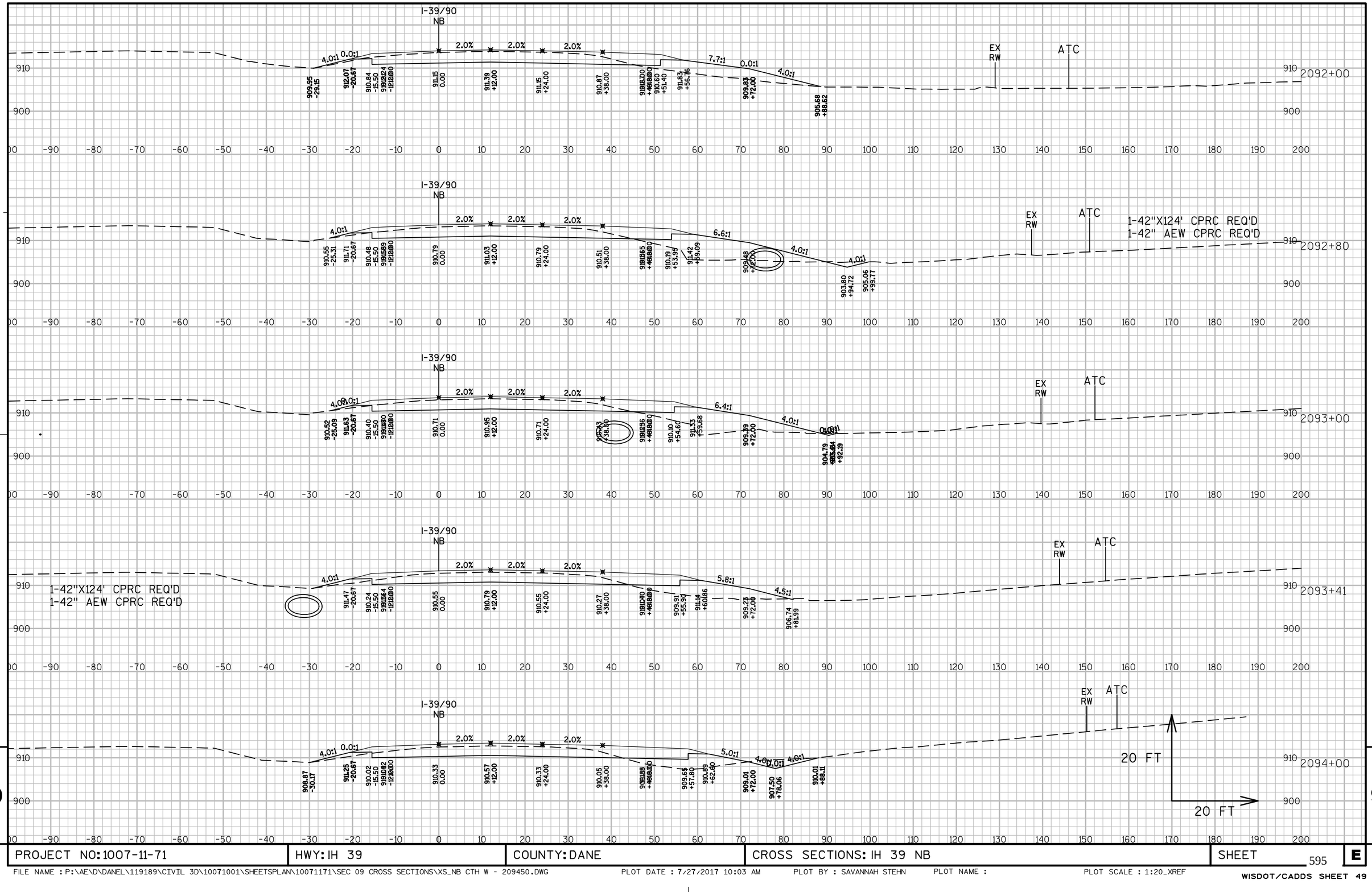
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 594	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH W - 209450.DWG PLOT DATE : 7/27/2017 10:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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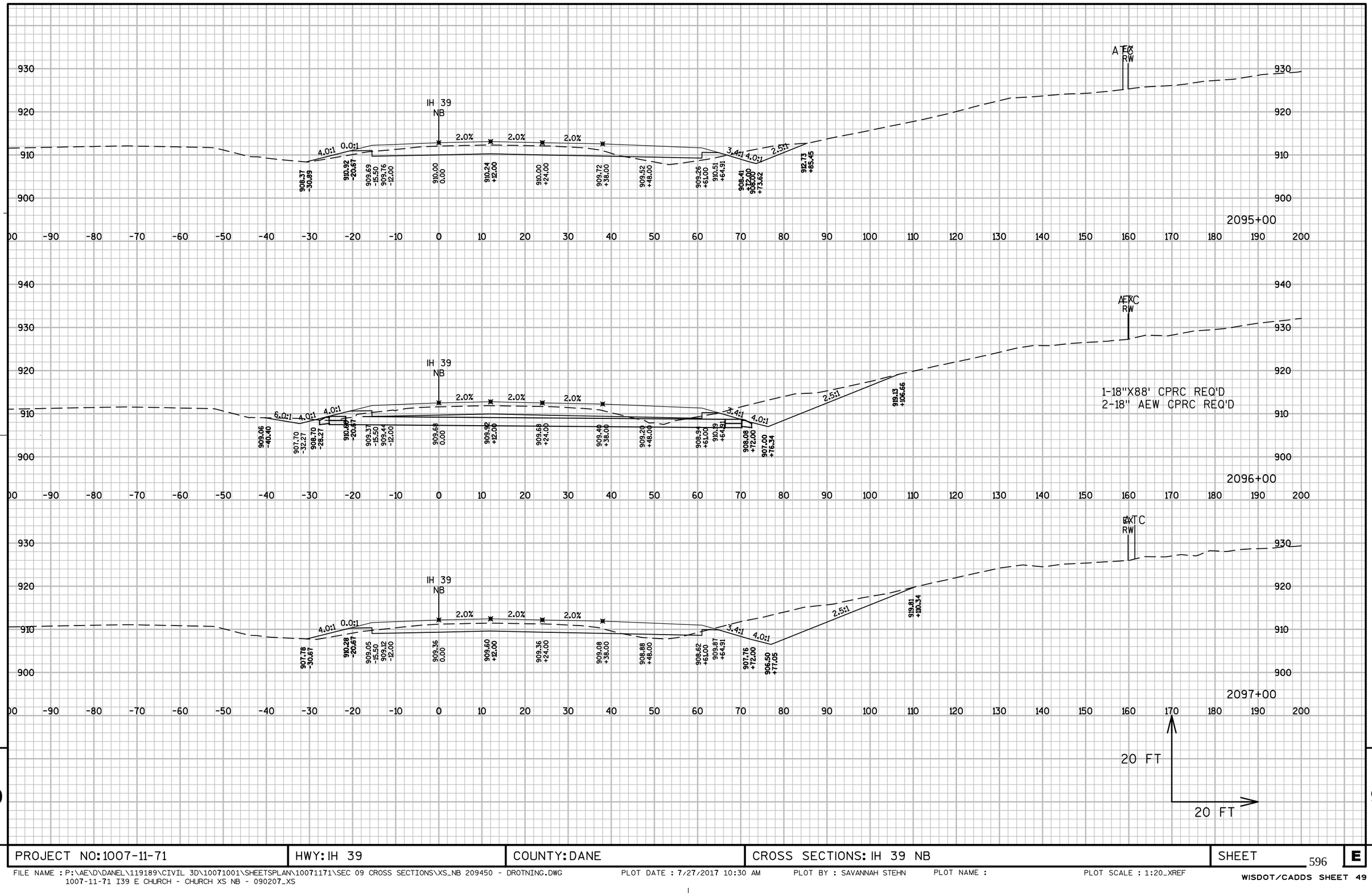
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 595	E

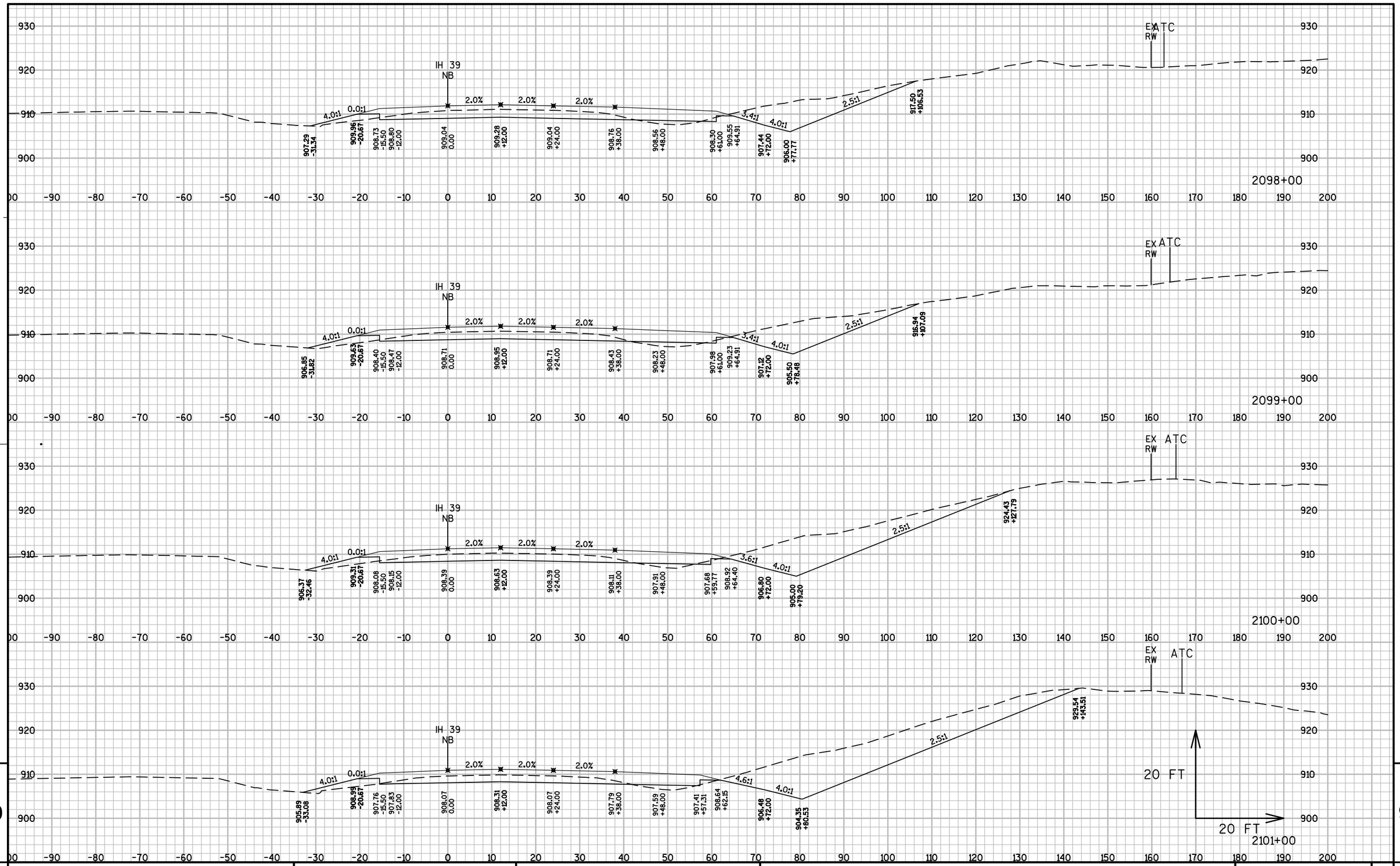
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH W - 209450.DWG PLOT DATE : 7/27/2017 10:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 209450 - DROTNING.DWG
1007-11-71 I39 E CHURCH - CHURCH XS NB - 090207_XS

PLOT DATE : 7/27/2017 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF



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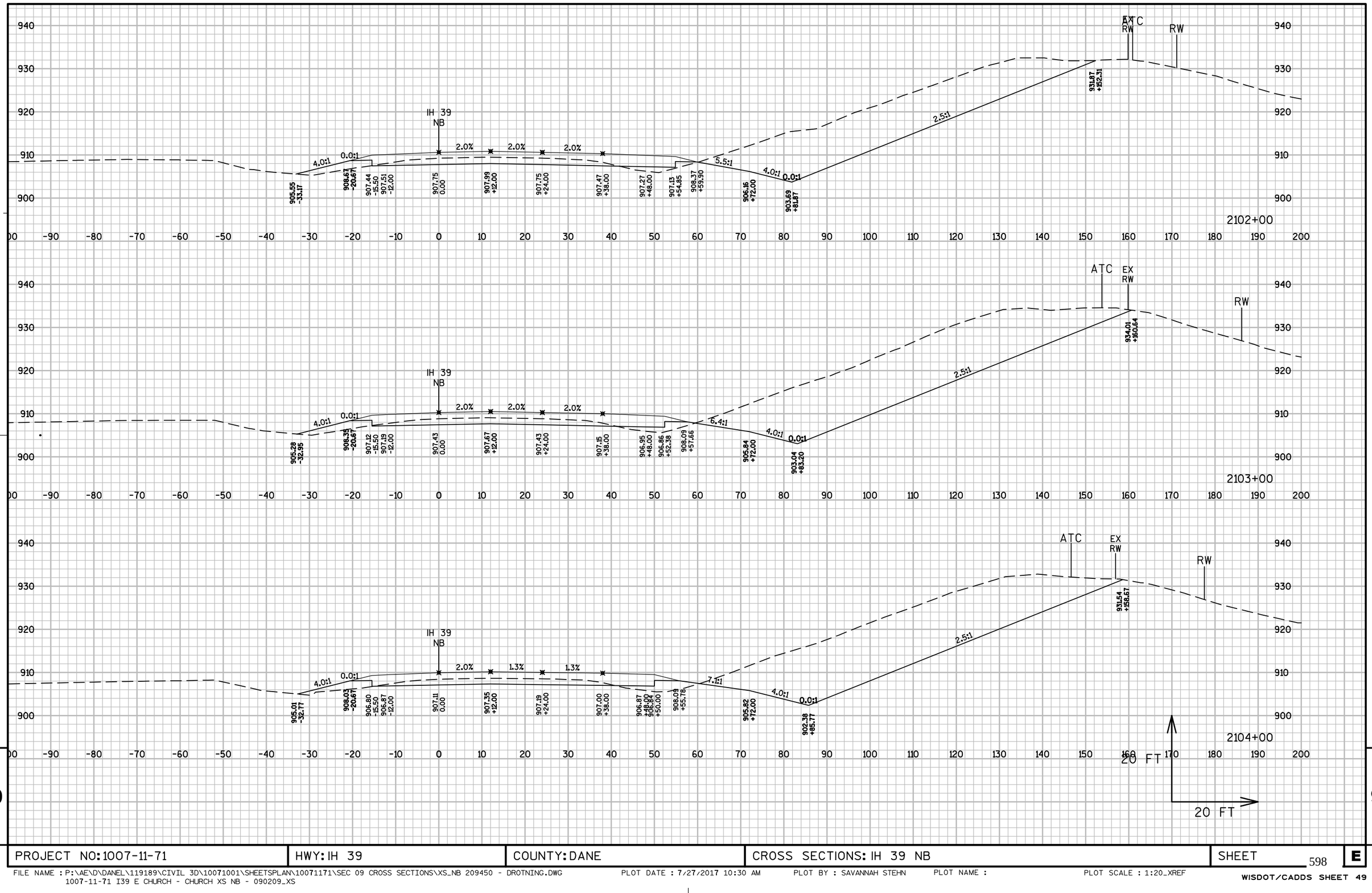
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 597	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 209450 - DROTNING.DWG
1007-11-71 I39 E CHURCH - CHURCH XS NB - 090208_XS

PLOT DATE : 7/27/2017 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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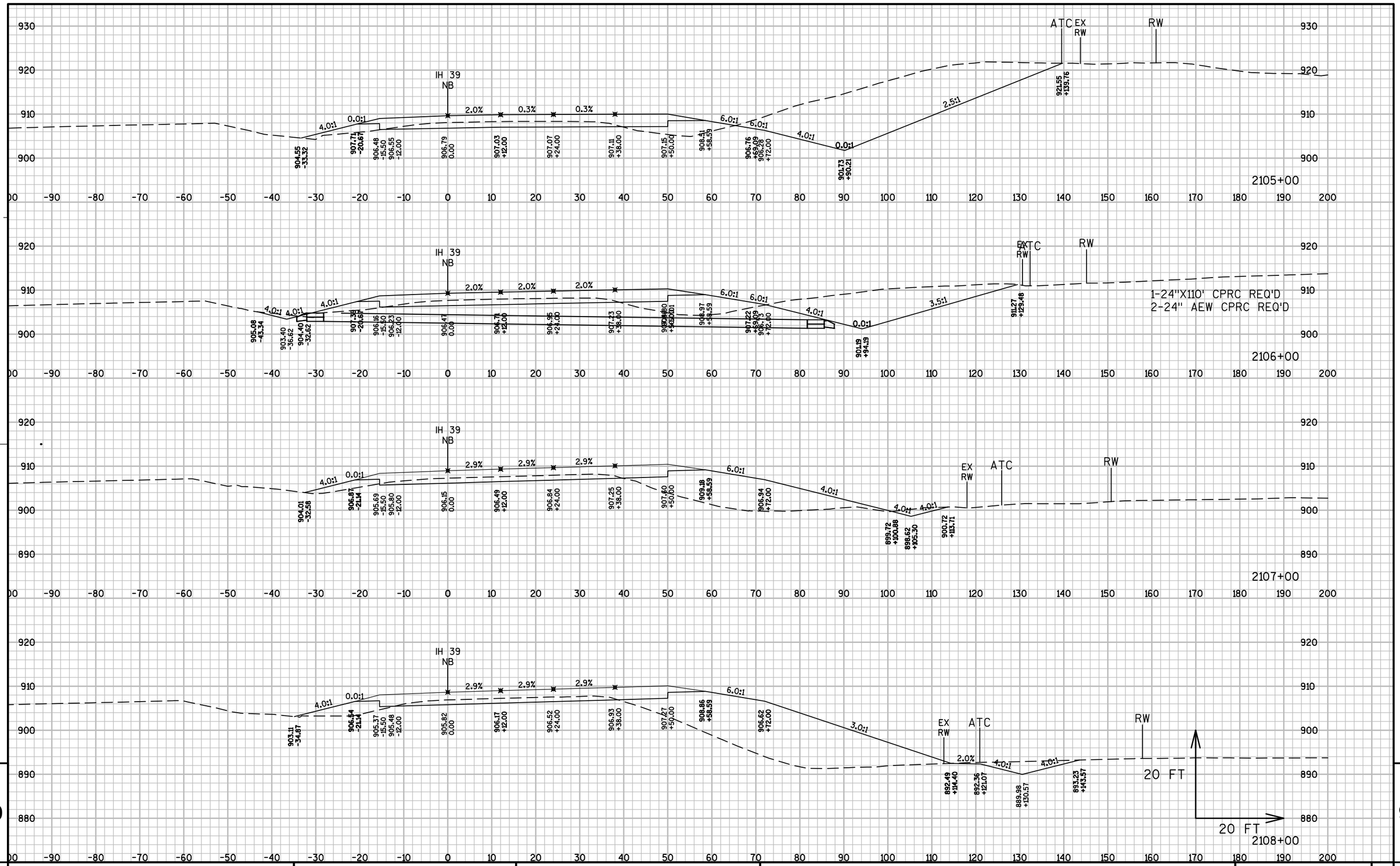
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 598	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 209450 - DROTNING.DWG
1007-11-71 I39 E CHURCH - CHURCH XS NB - 090209_XS

PLOT DATE : 7/27/2017 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF



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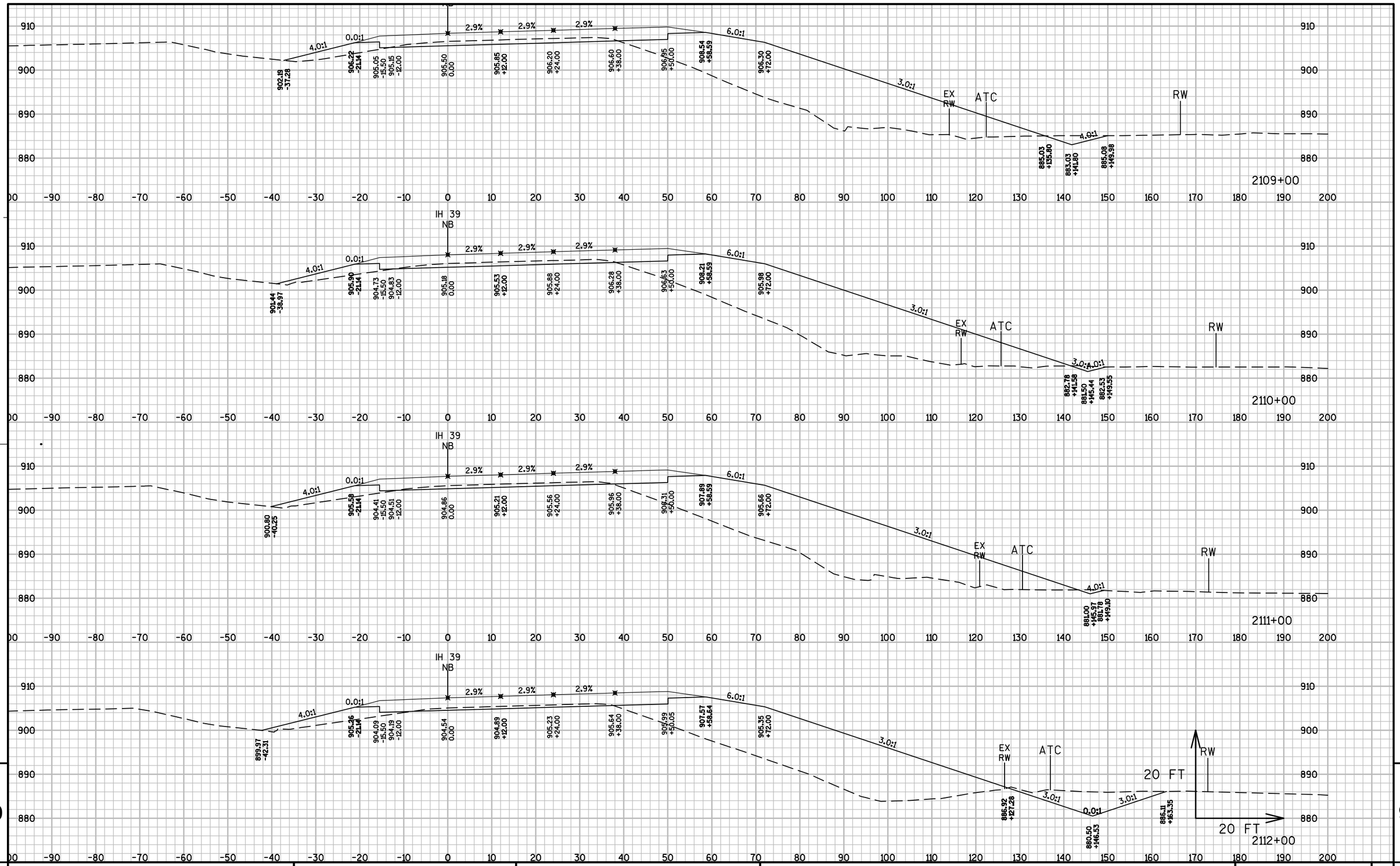
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 599	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 209450 - DROTNING.DWG
1007-11-71 I39 E CHURCH - CHURCH XS NB - 0902010_XS

PLOT DATE : 7/27/2017 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

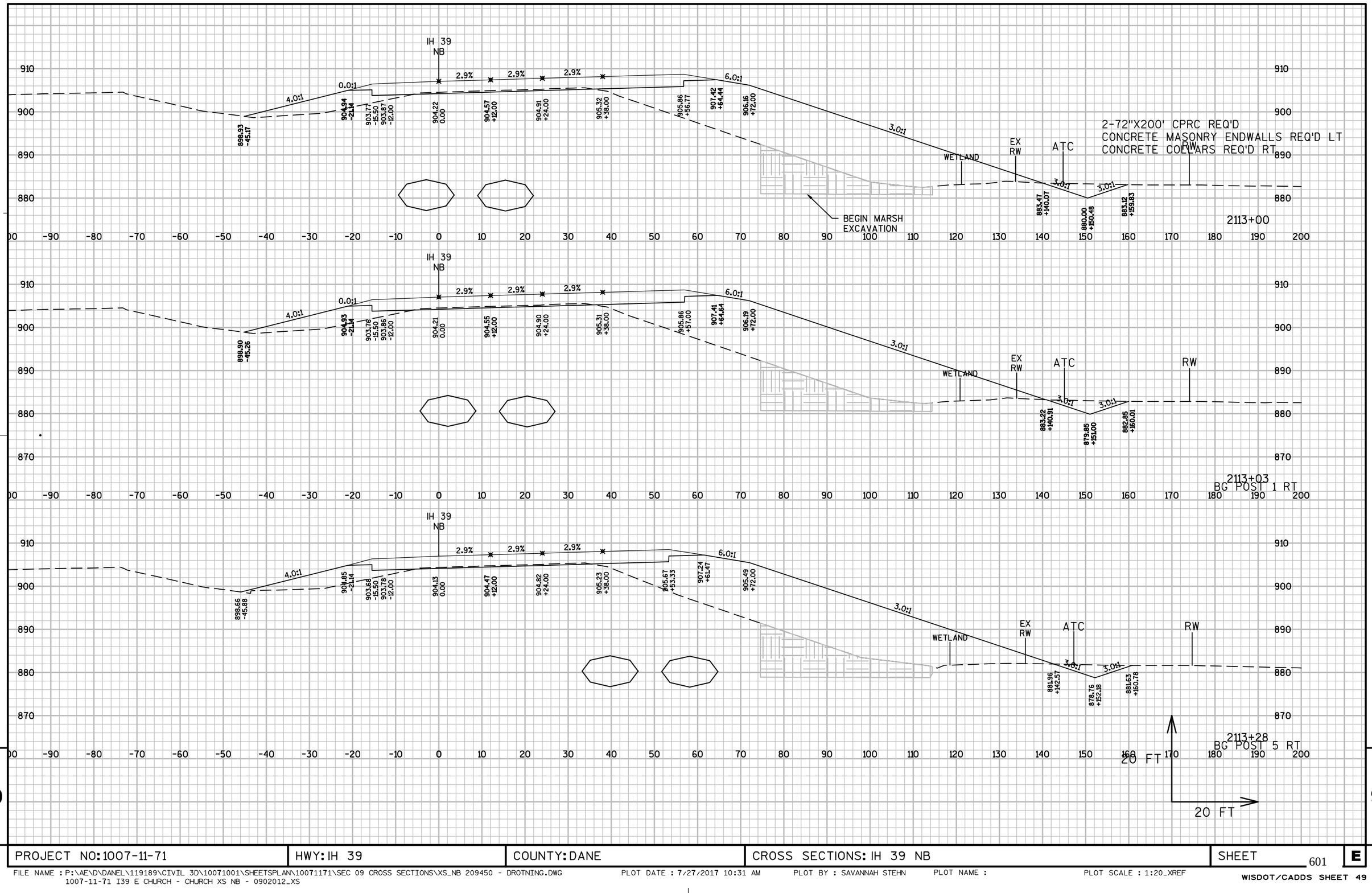


PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 600	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 209450 - DROTNING.DWG
1007-11-71 I39 E CHURCH - CHURCH XS NB - 0902011_XS

PLOT DATE : 7/27/2017 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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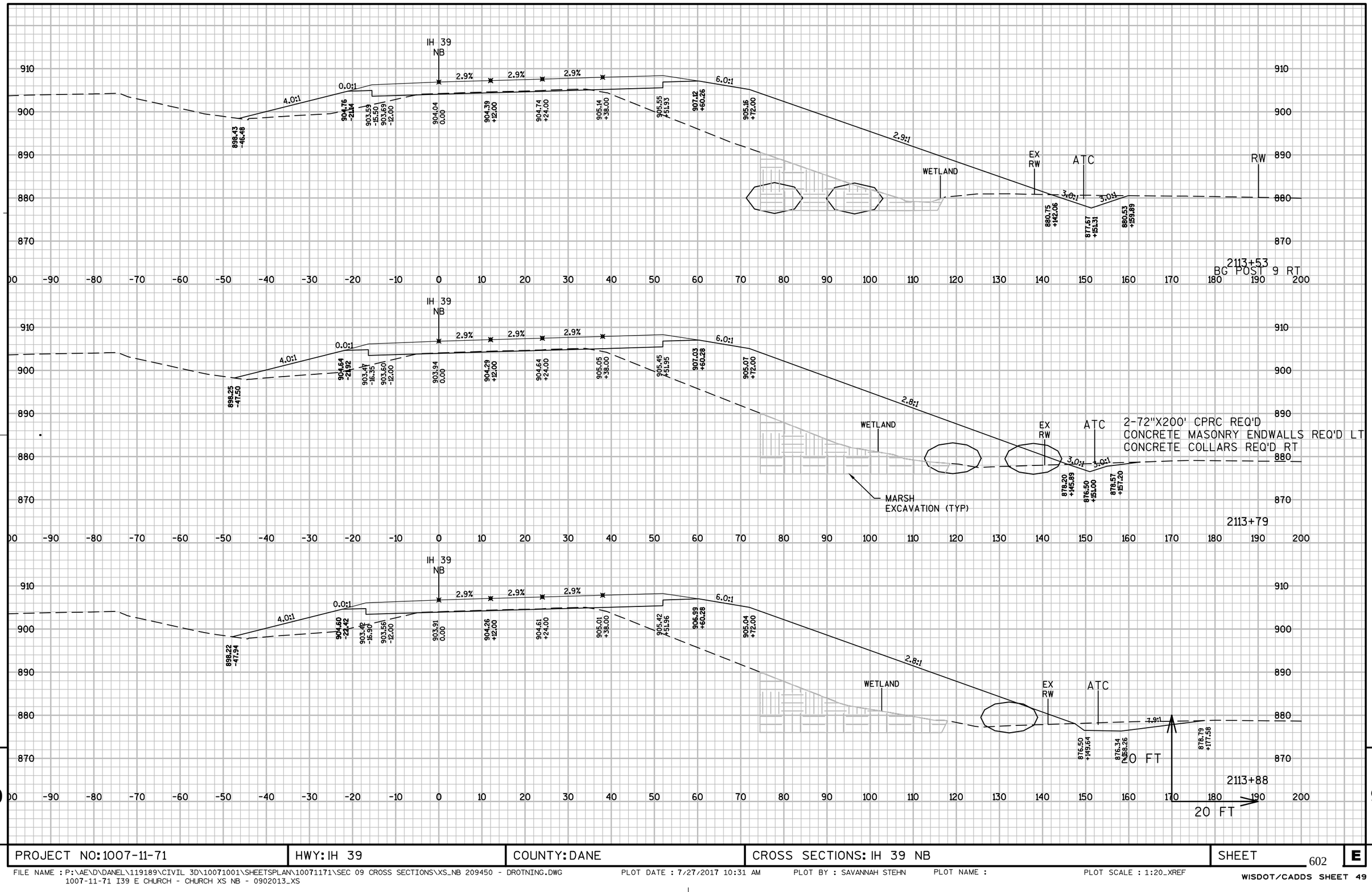
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 601	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 209450 - DROTNING.DWG
1007-11-71 I39 E CHURCH - CHURCH XS NB - 0902012_XS

PLOT DATE : 7/27/2017 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF



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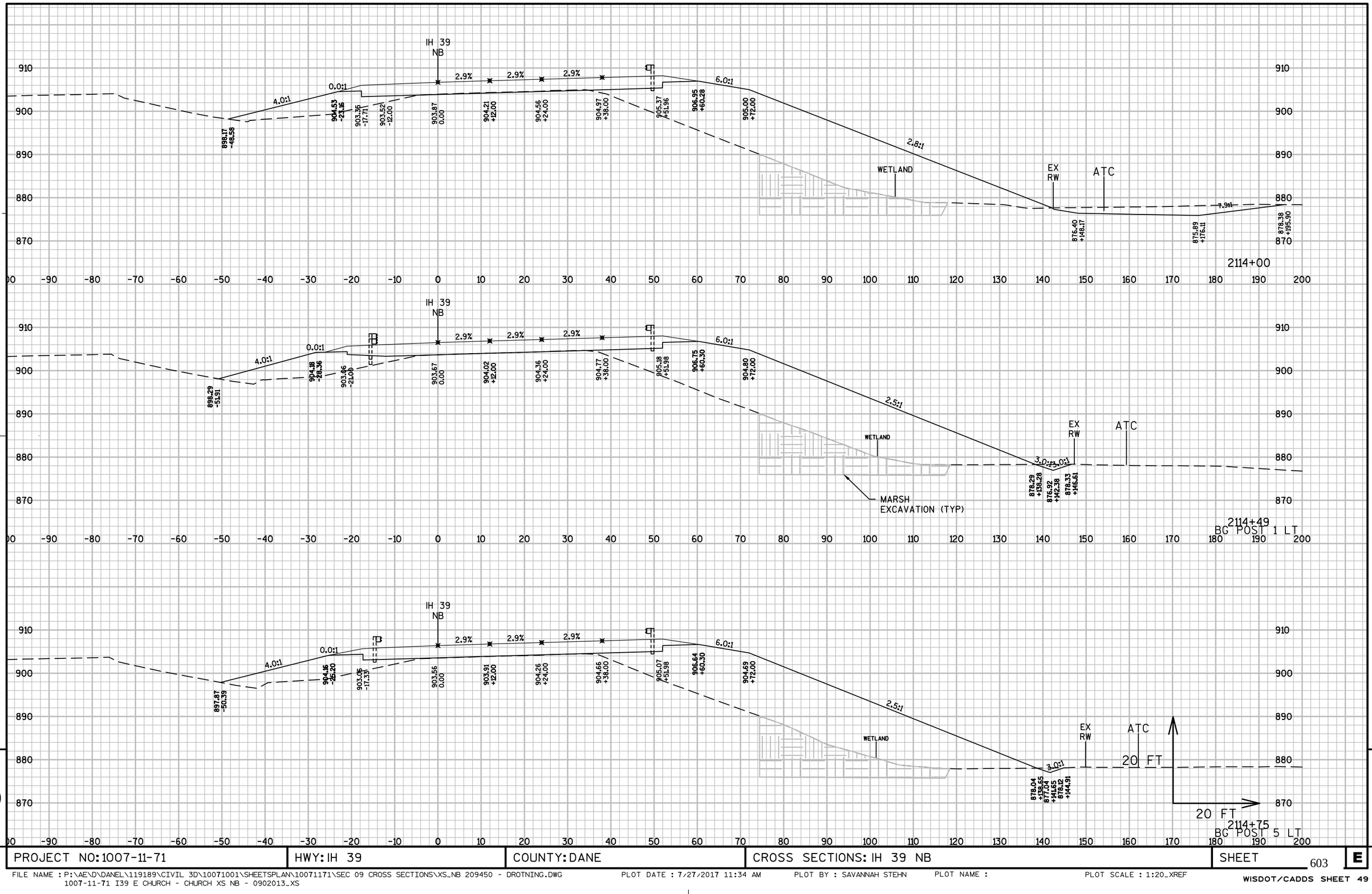
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 602	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 209450 - DROTNING.DWG
1007-11-71 I39 E CHURCH - CHURCH XS NB - 0902013_XS

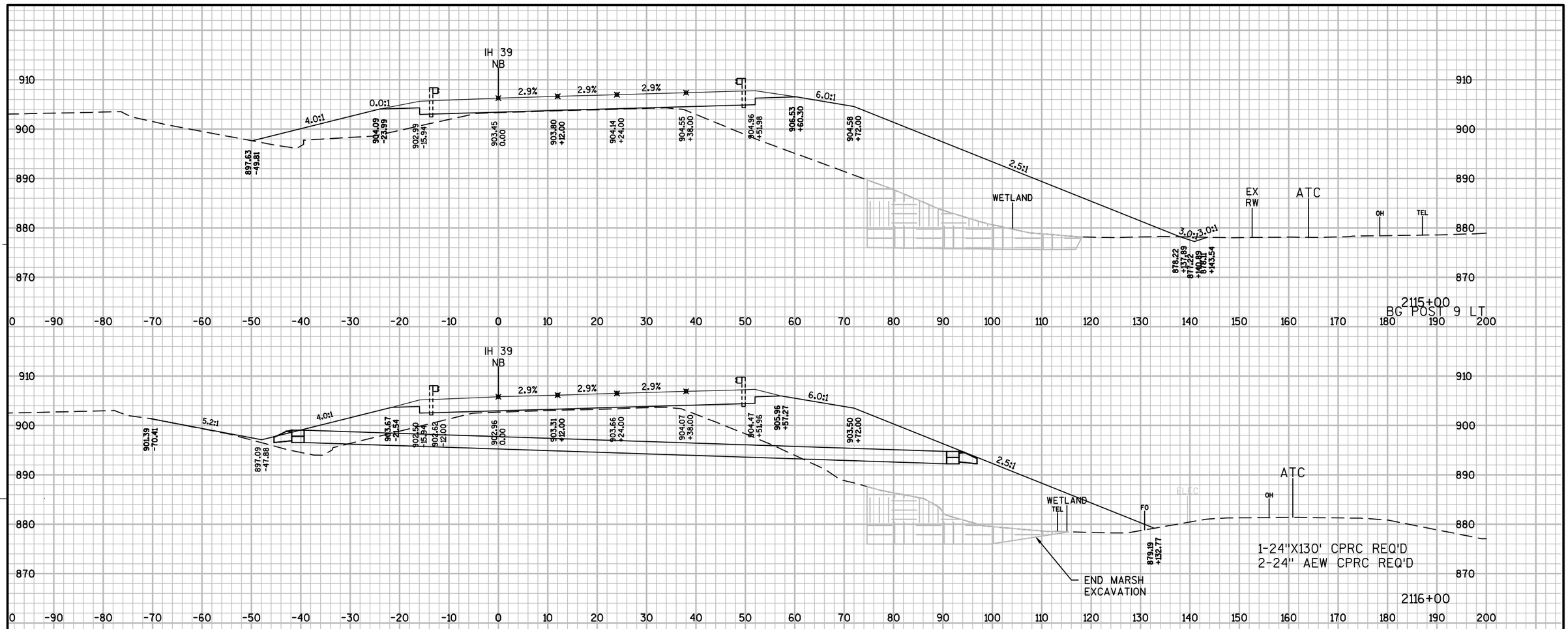
PLOT DATE : 7/27/2017 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 603	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 209450 - DROTNING.DWG
1007-11-71 I39 E CHURCH - CHURCH XS NB - 0902013_XS
PLOT DATE : 7/27/2017 11:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



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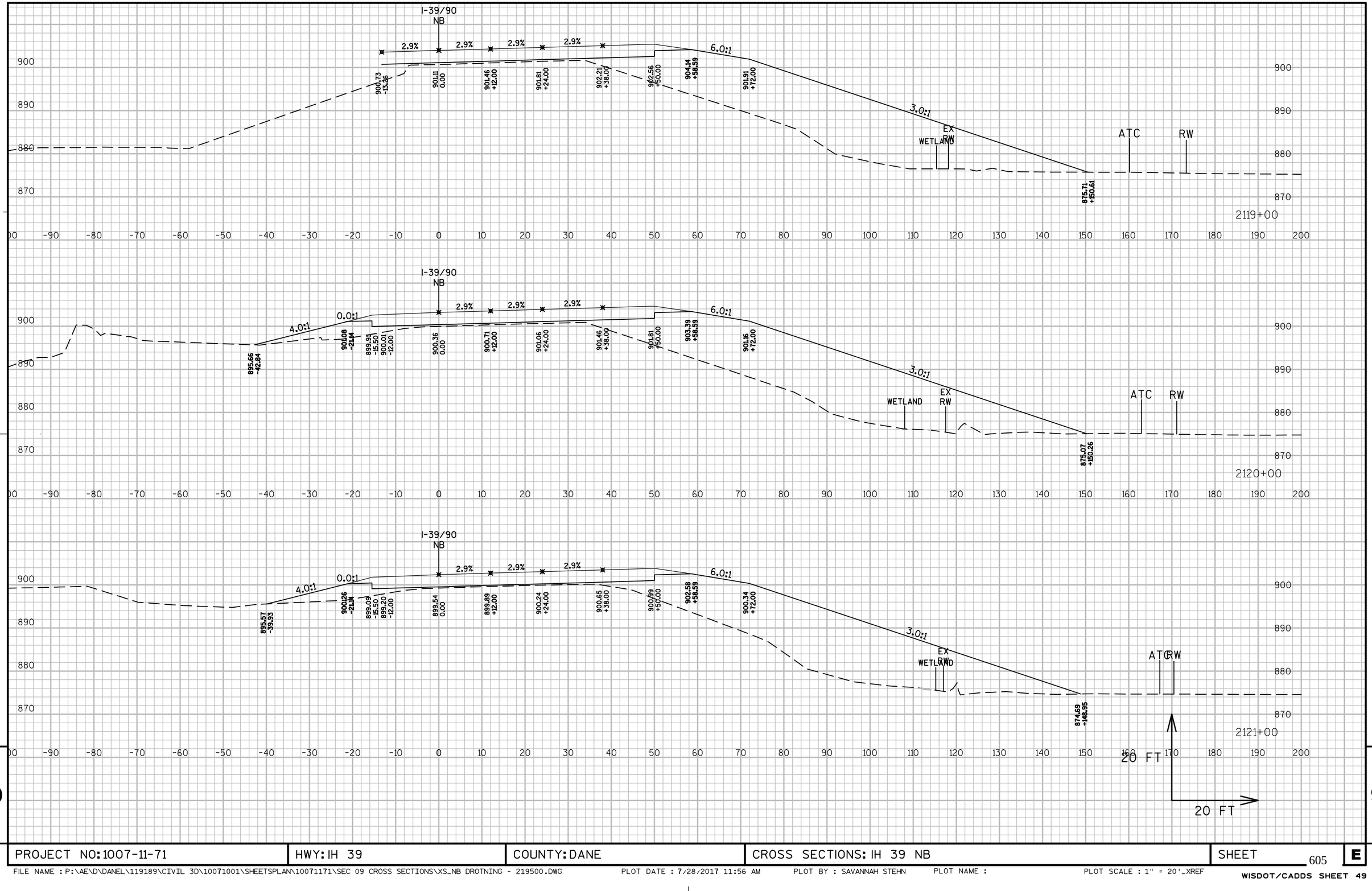
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 604	E

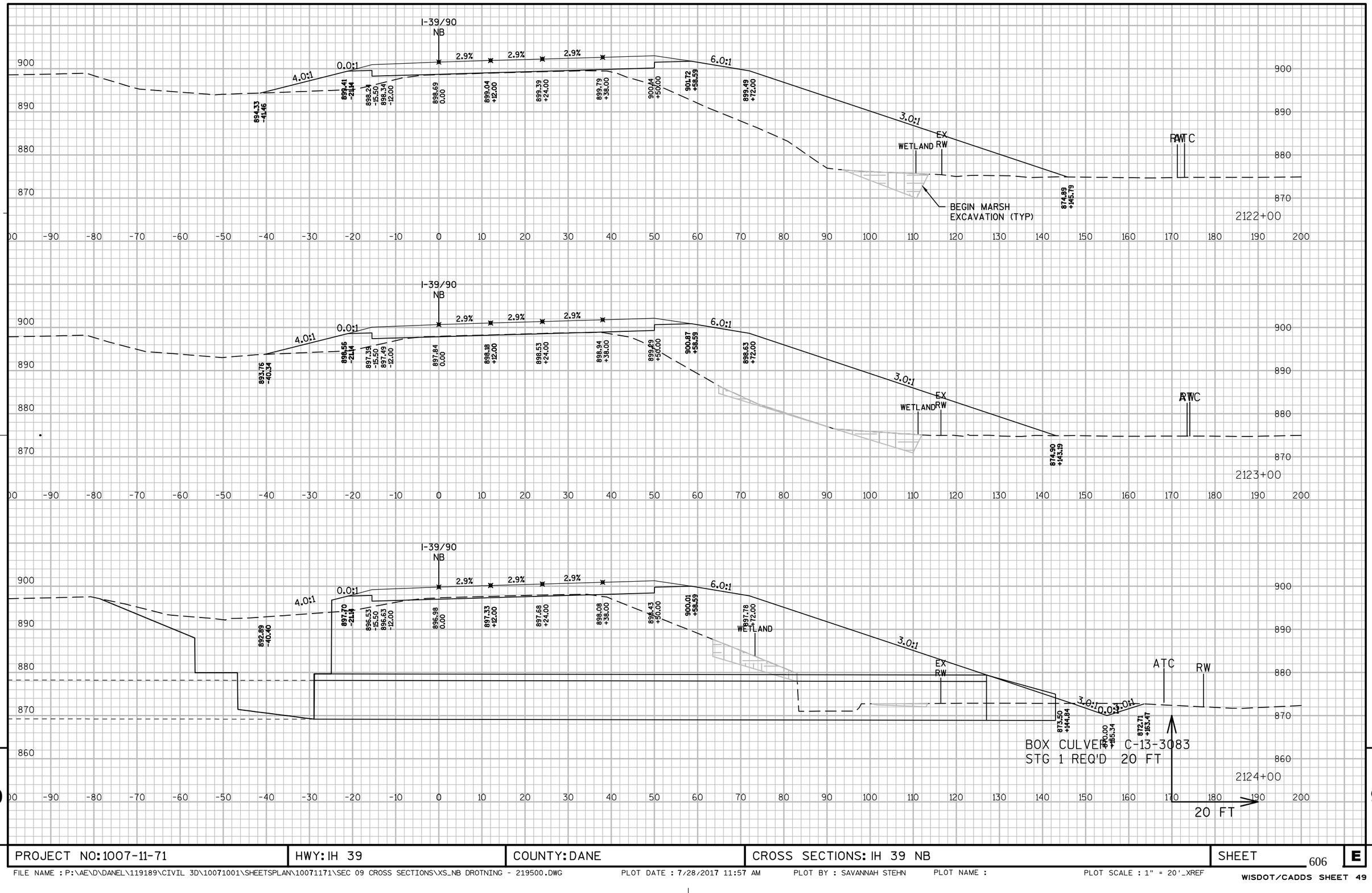
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 209450 - DROTNING.DWG
1007-11-71 I39 E CHURCH - CHURCH XS NB - 0902013_XS
PLOT DATE : 7/27/2017 11:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



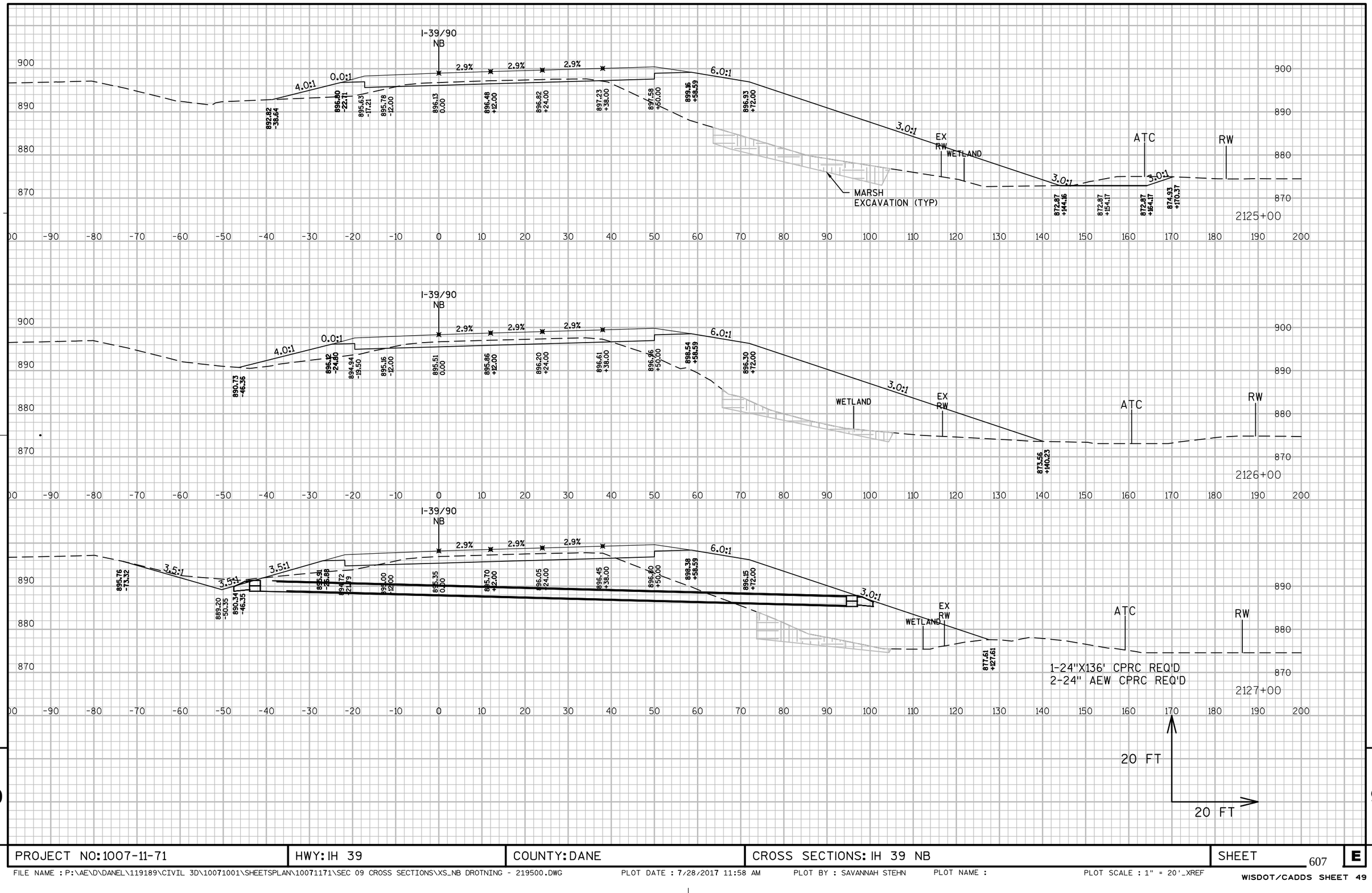
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 605	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 11:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 606	E



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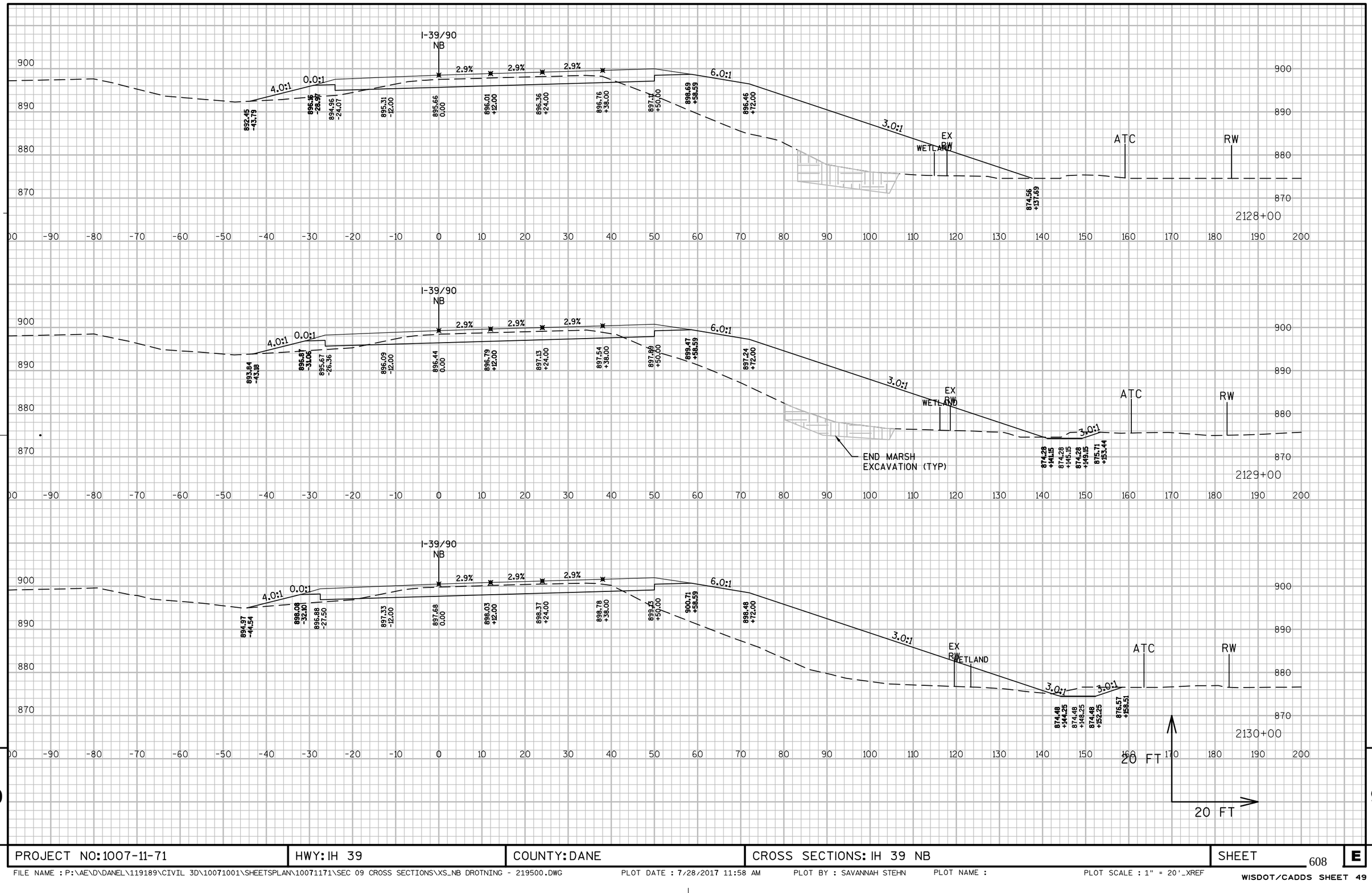
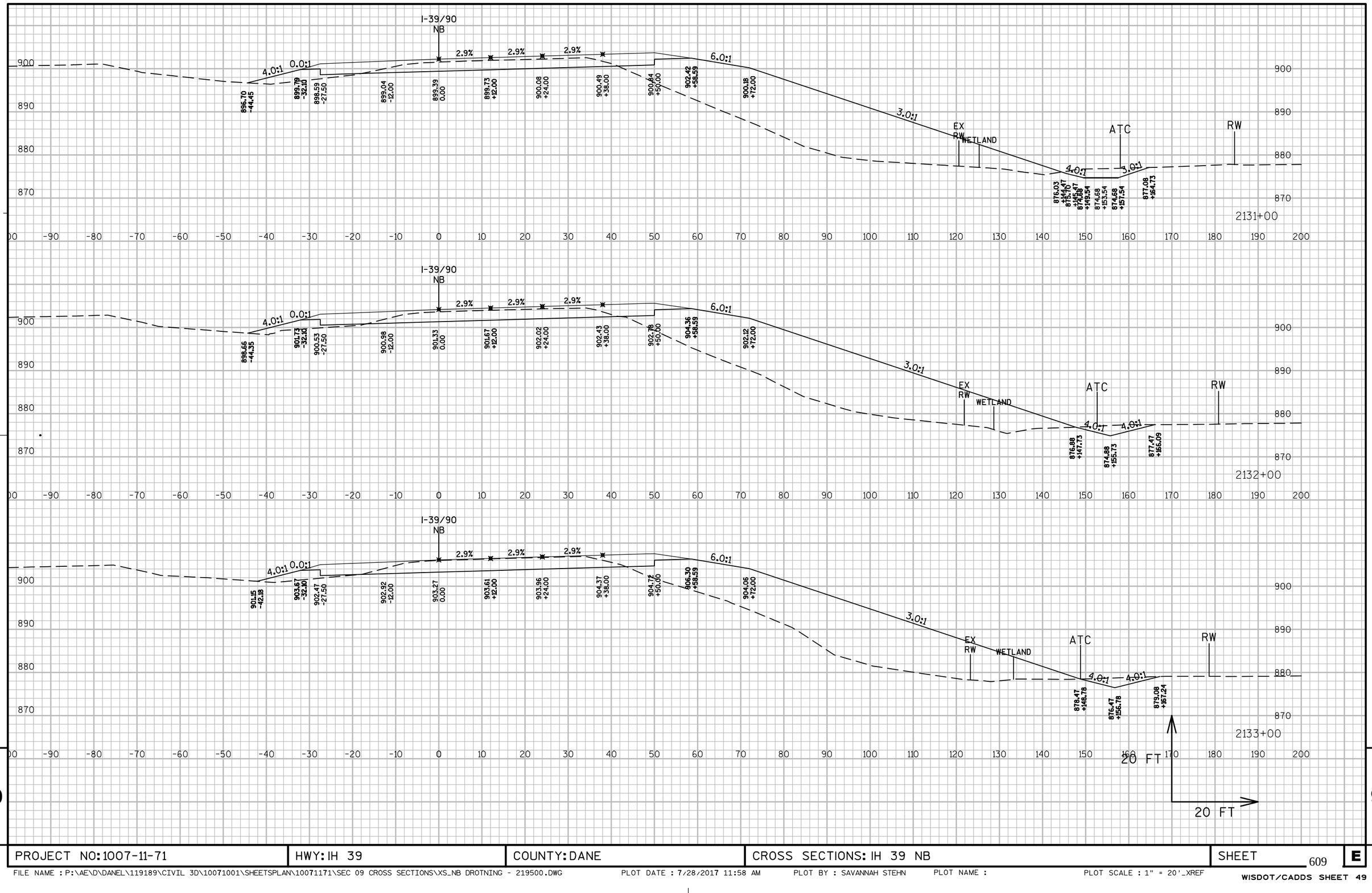
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 607	E



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 608	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 11:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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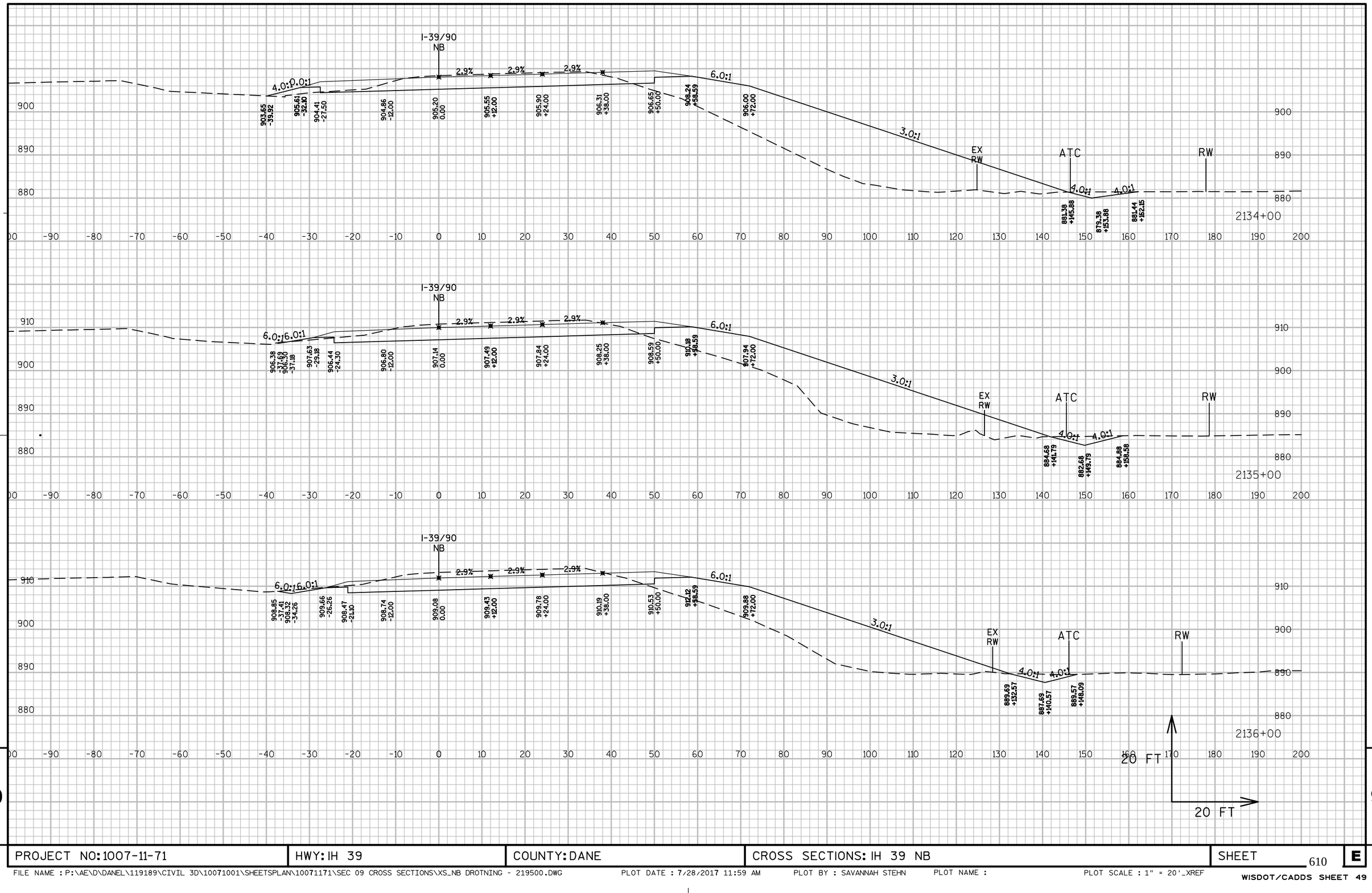
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 609	E

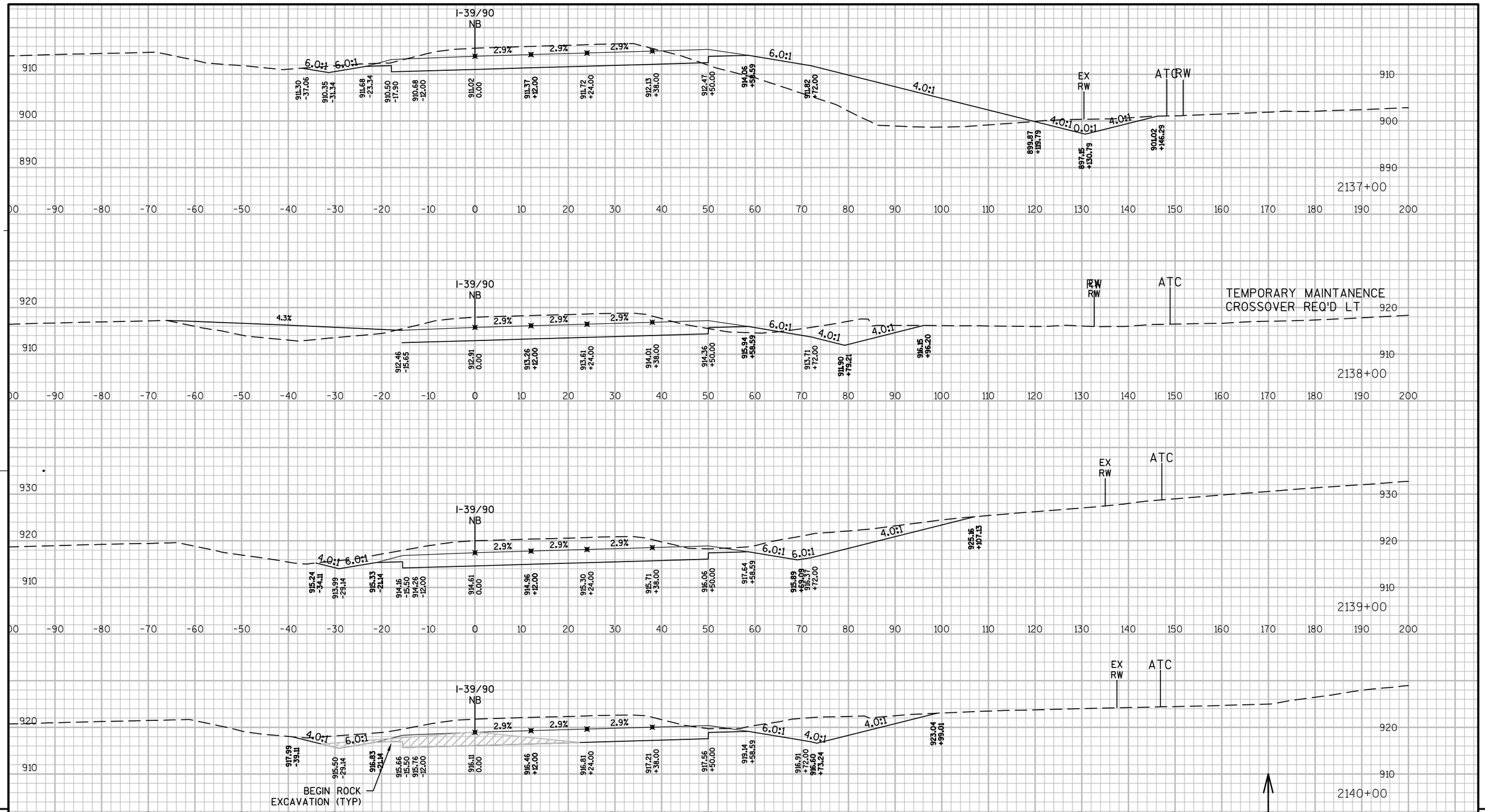
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 11:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 610	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 11:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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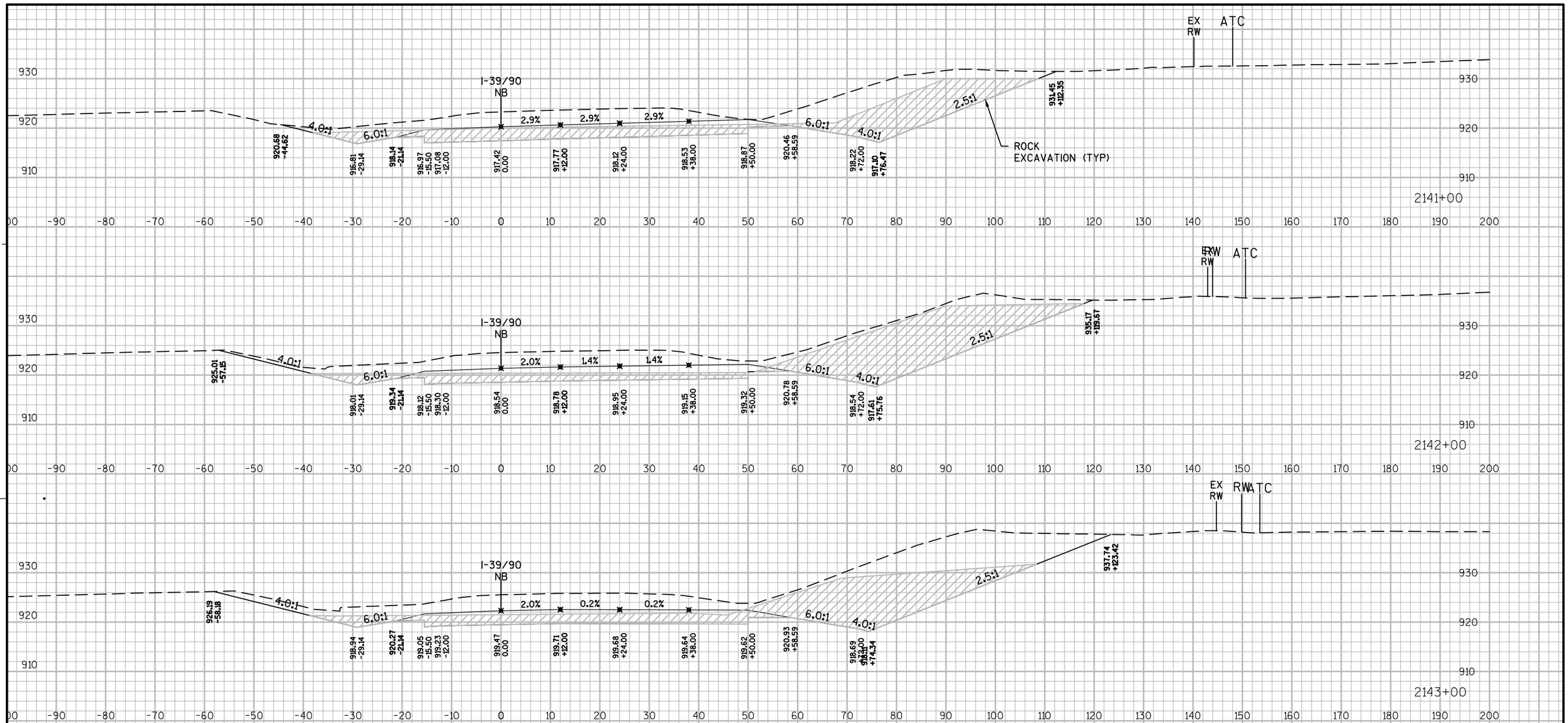
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 611	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 11:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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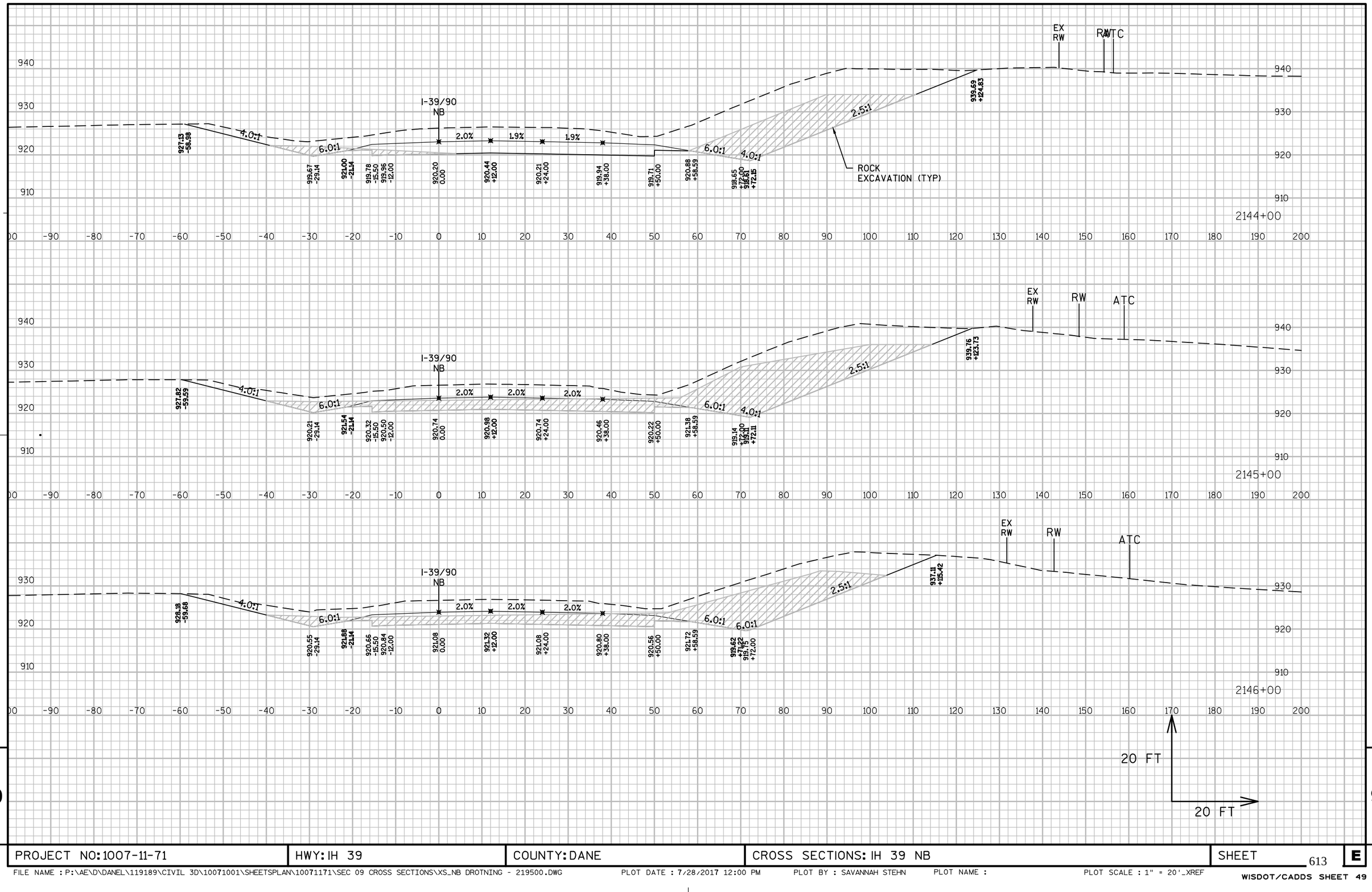
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 612	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 12:00 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

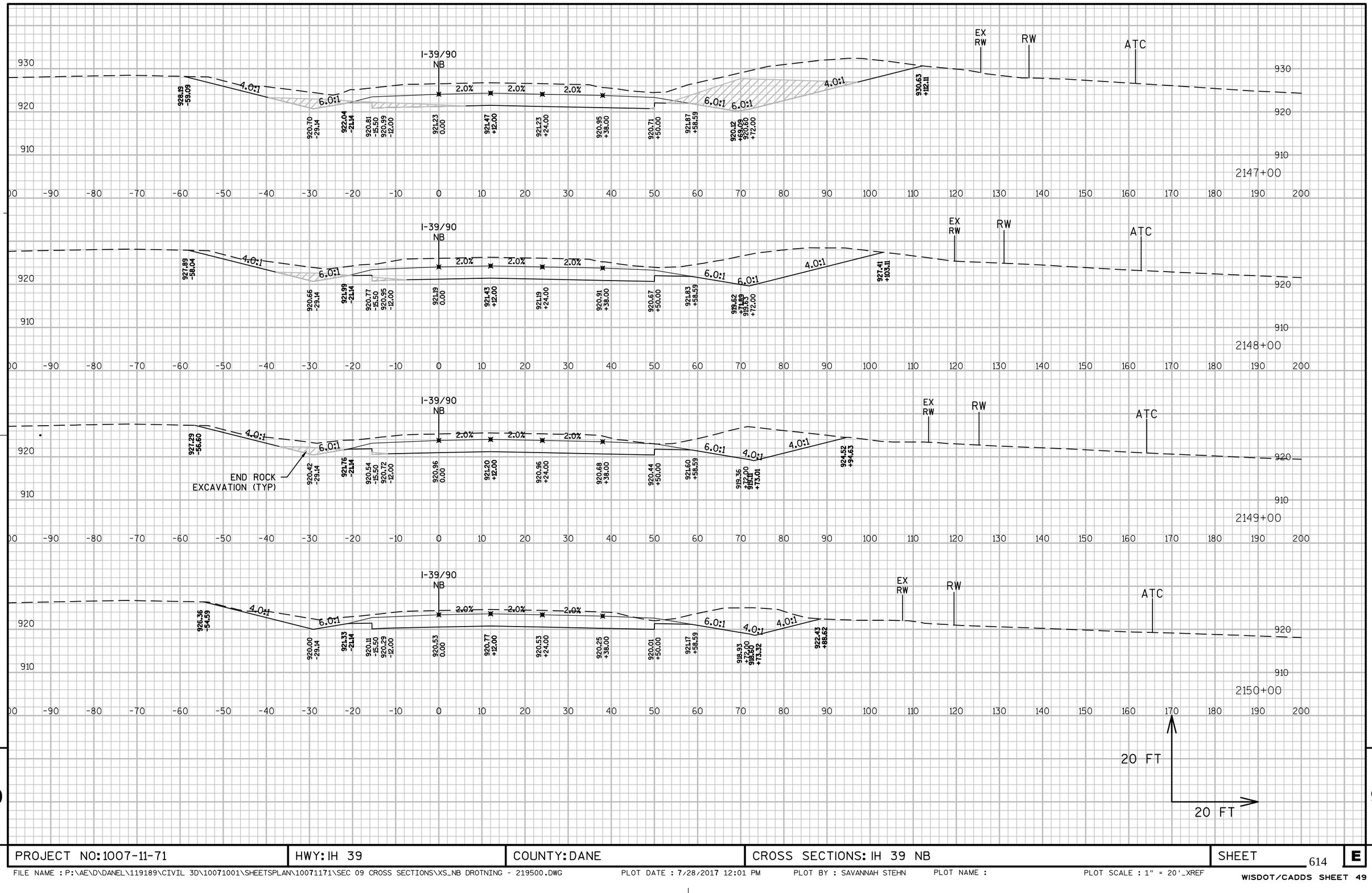
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 613	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 12:00 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

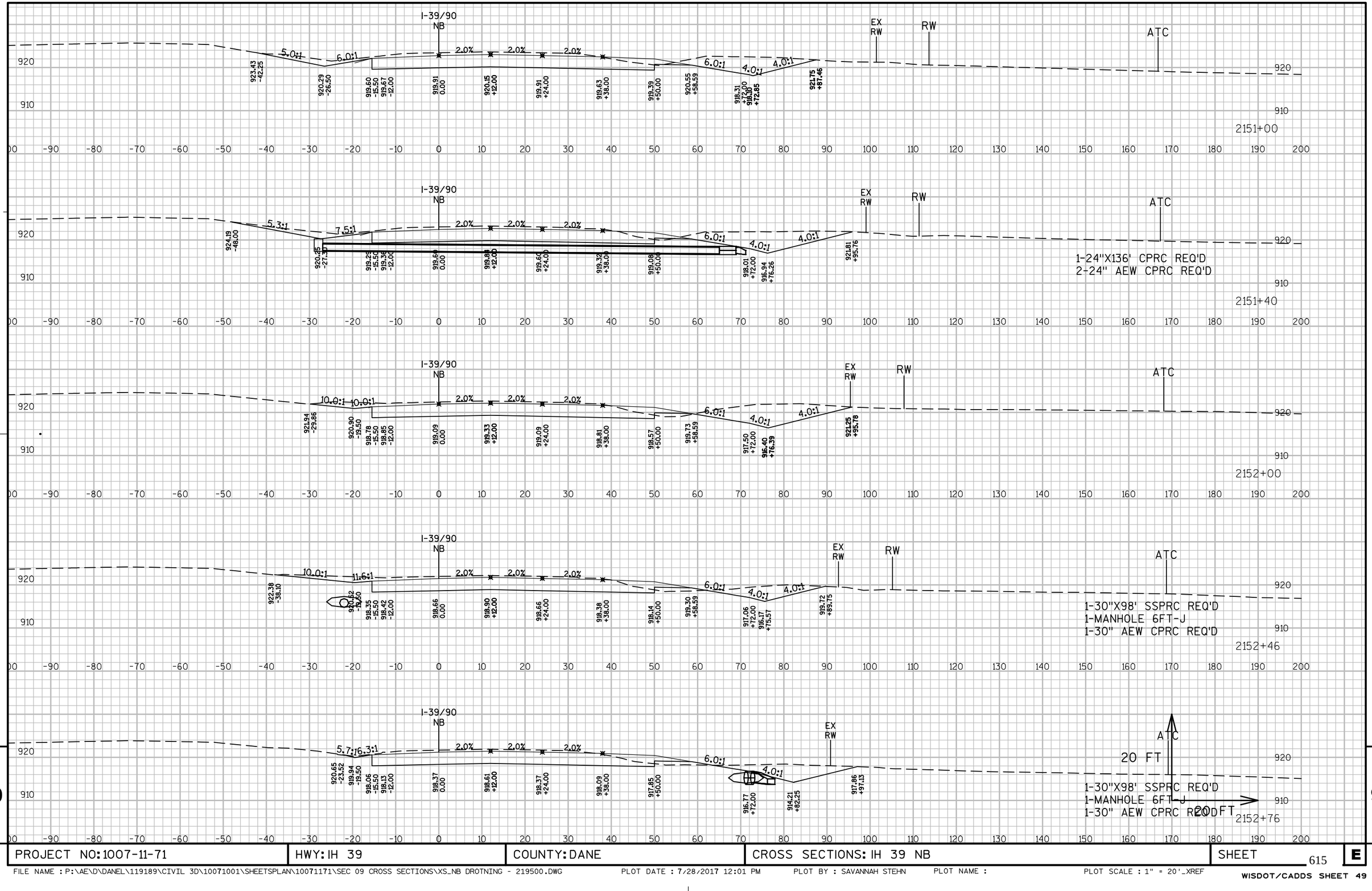
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 614	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 12:01 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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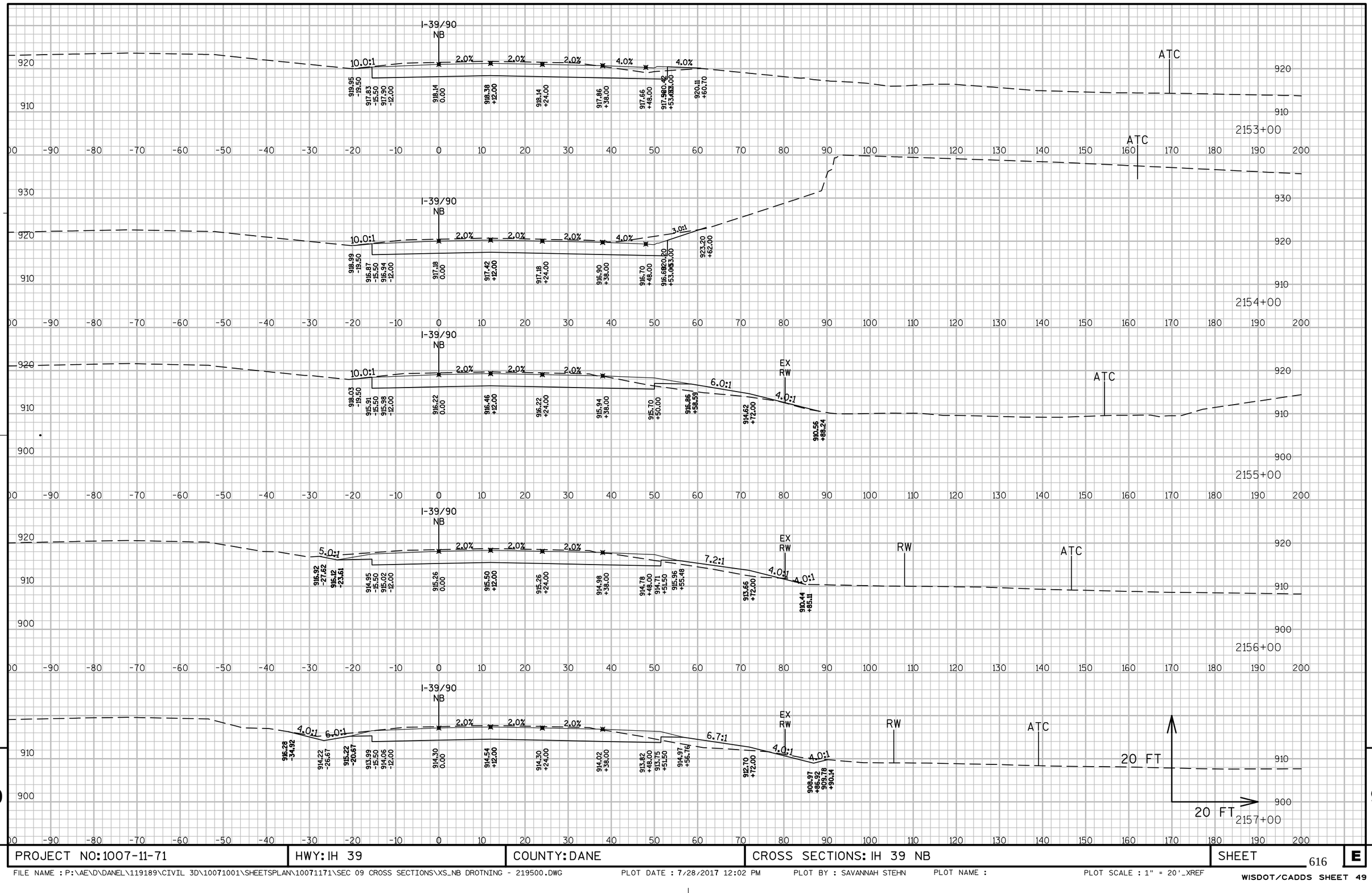
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 615	E

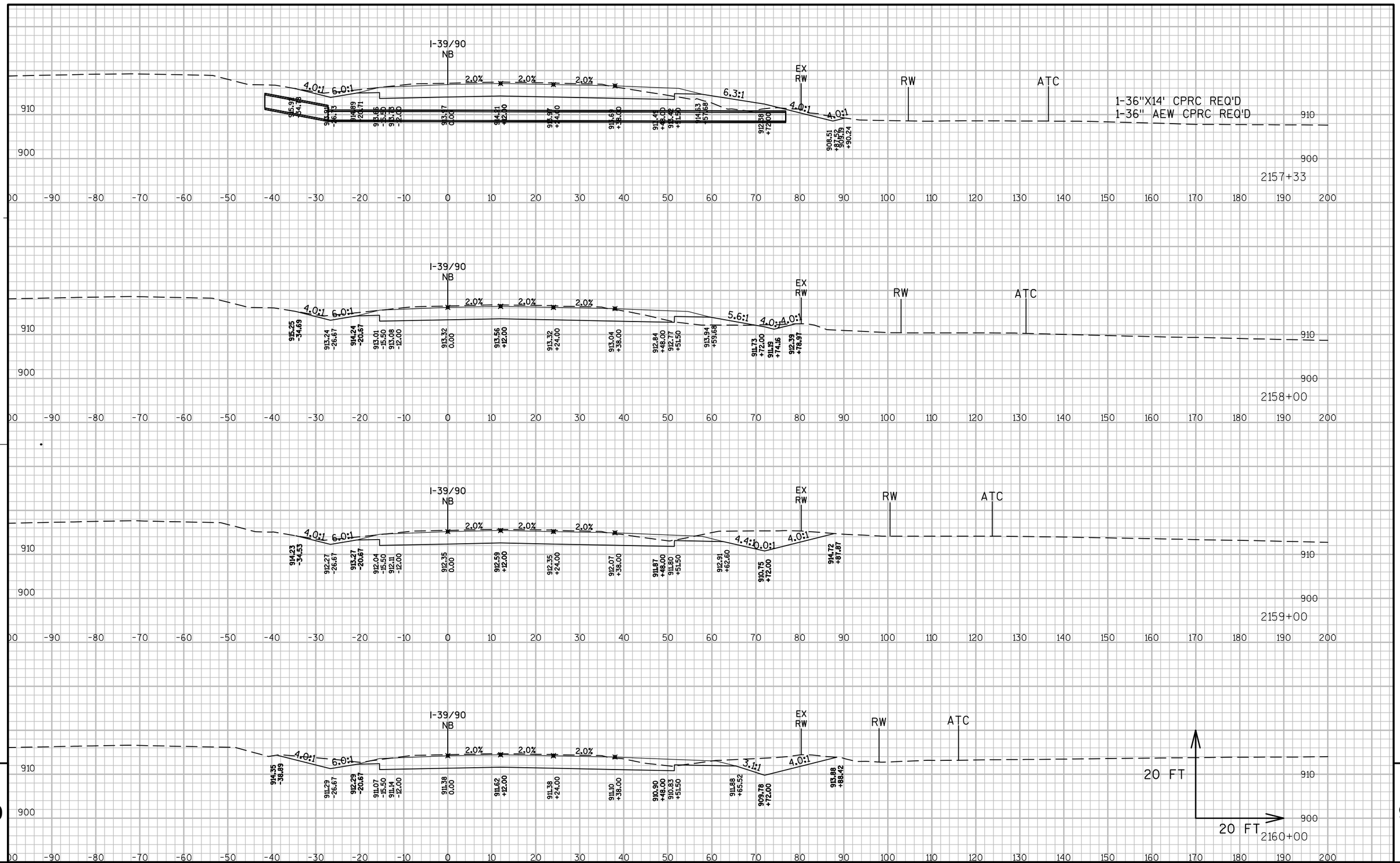
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 12:01 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 616	E

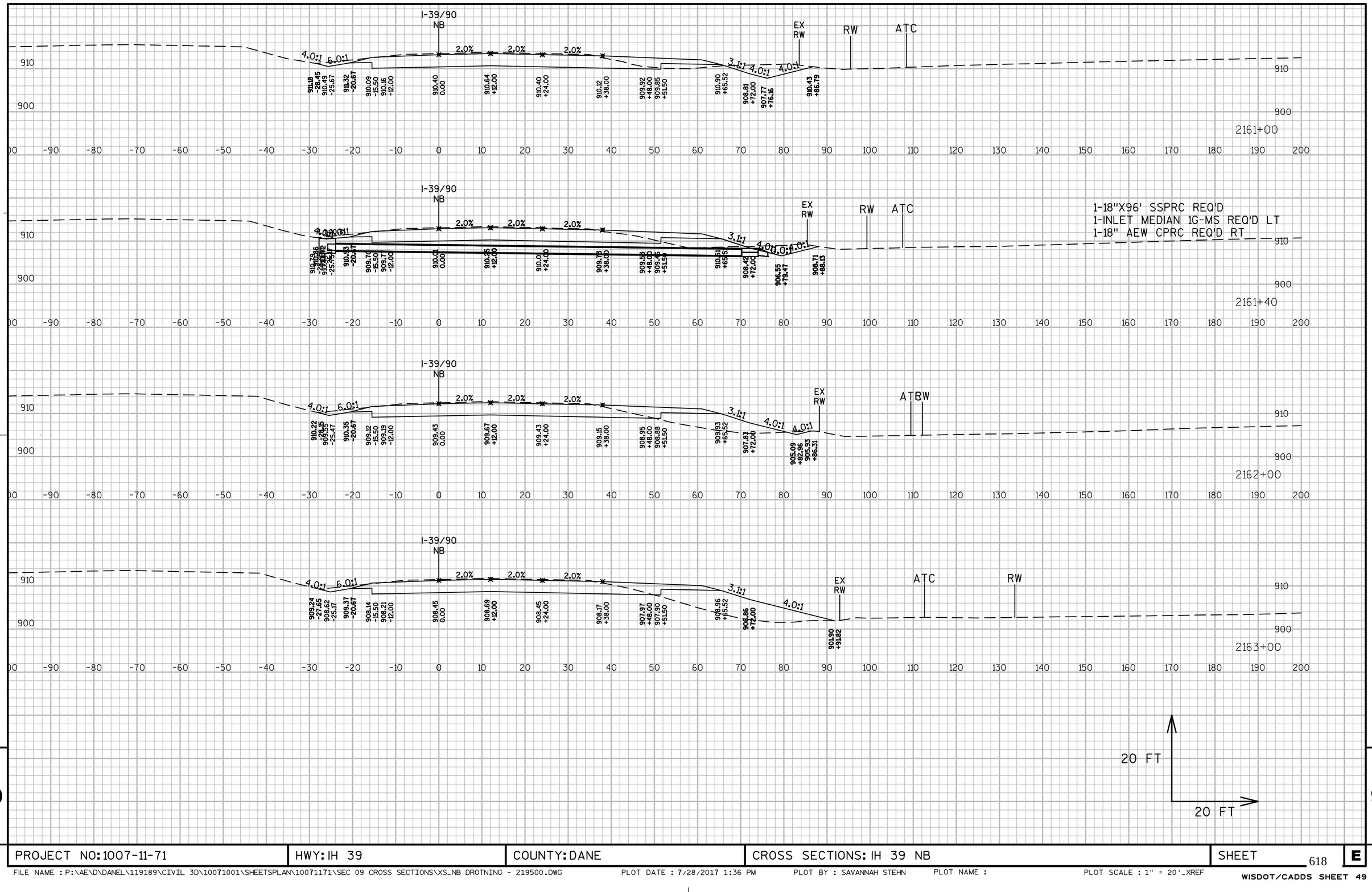
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 12:02 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 617	E

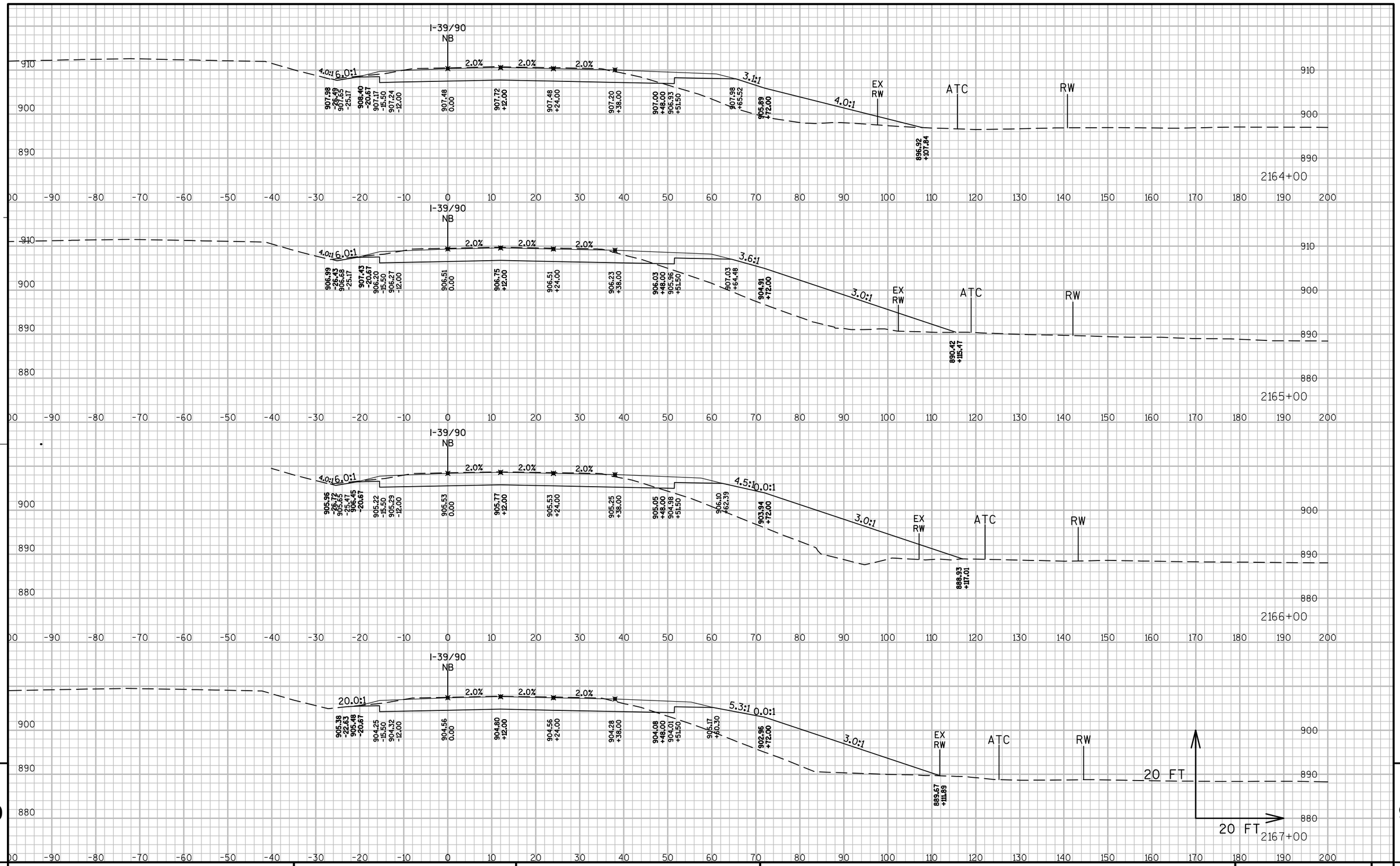
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 12:02 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 618	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 1:36 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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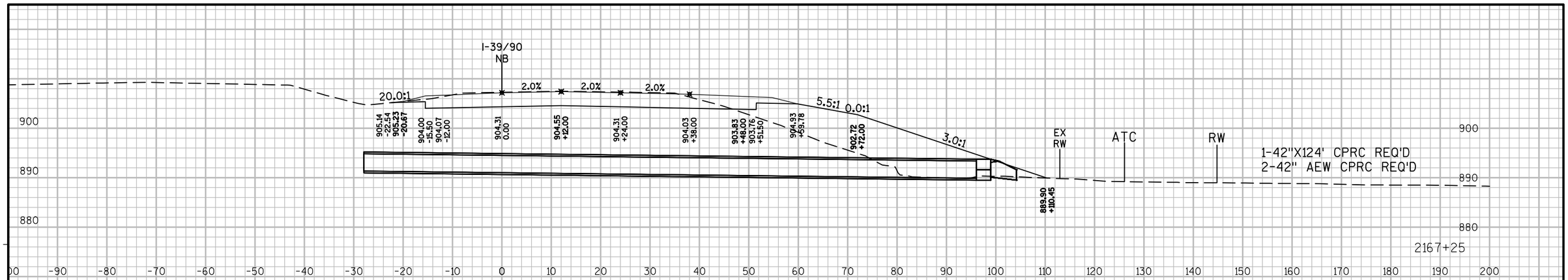
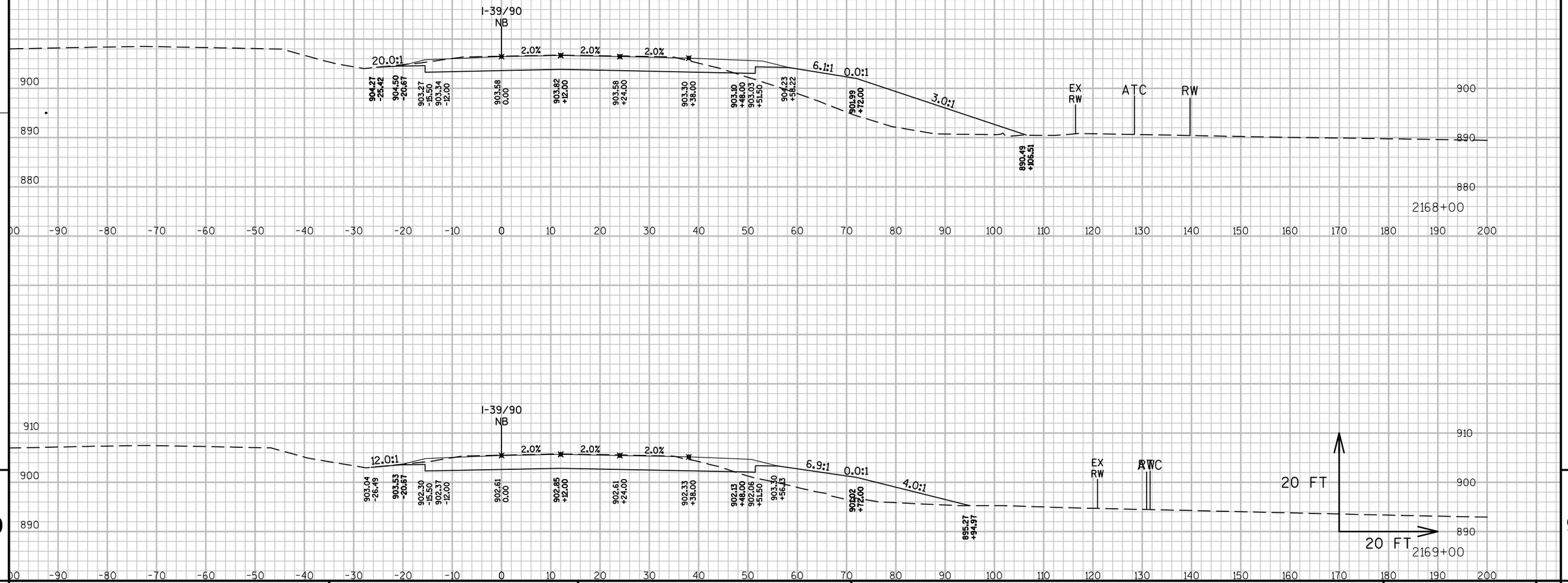
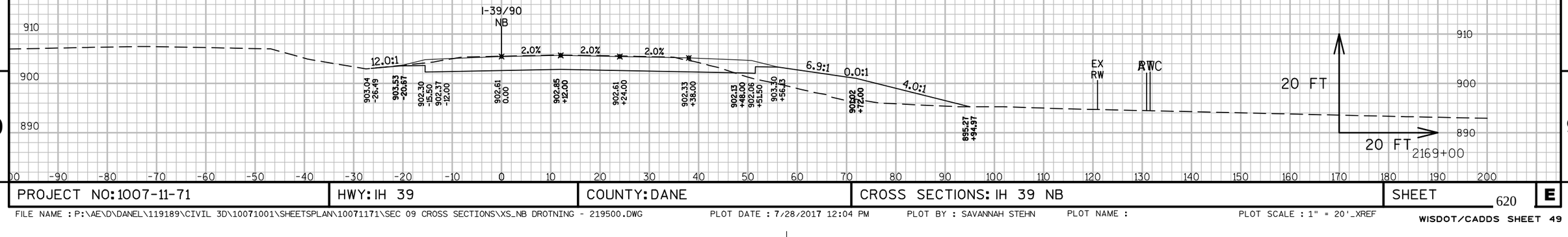
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 619	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 12:03 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF







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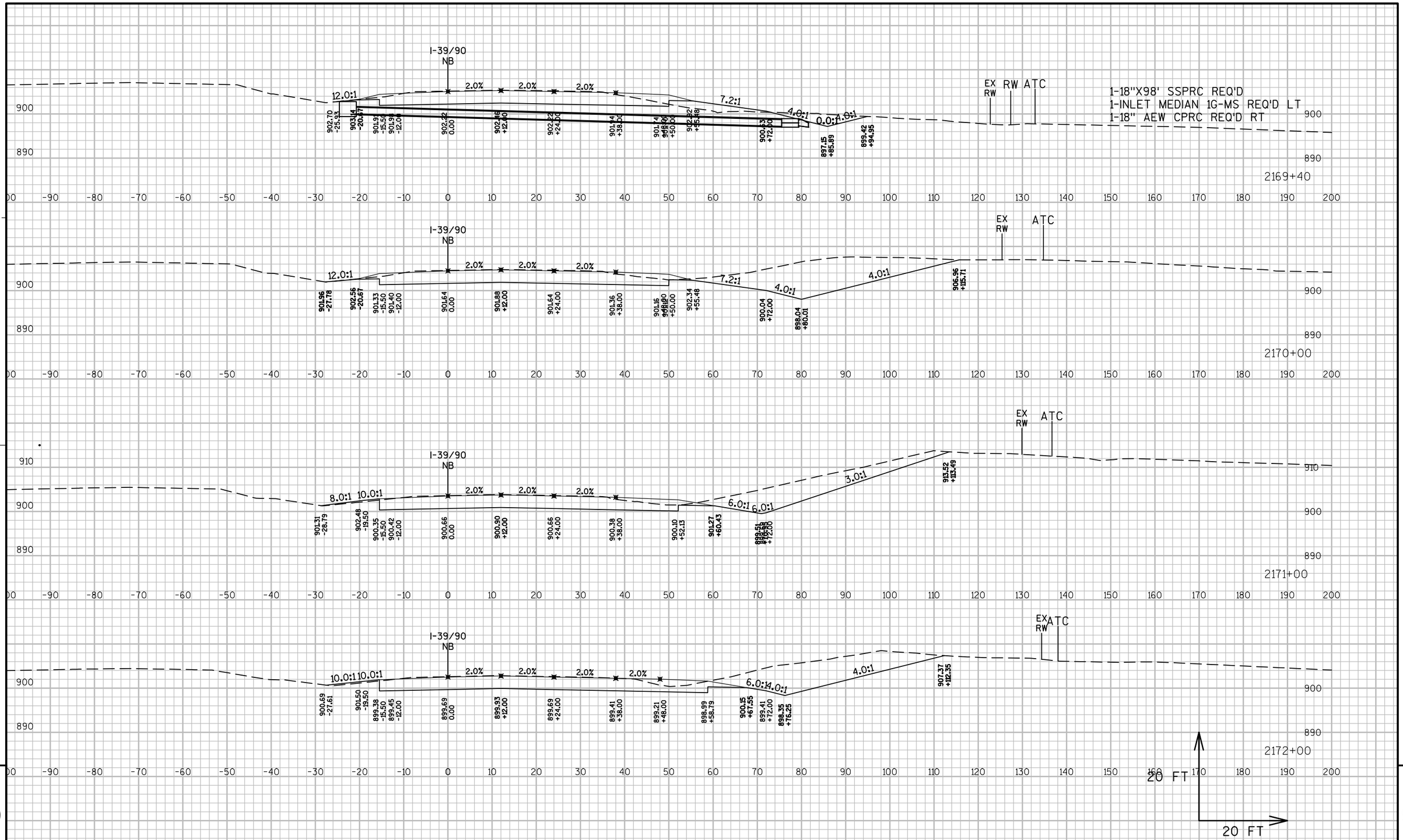
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 620	E

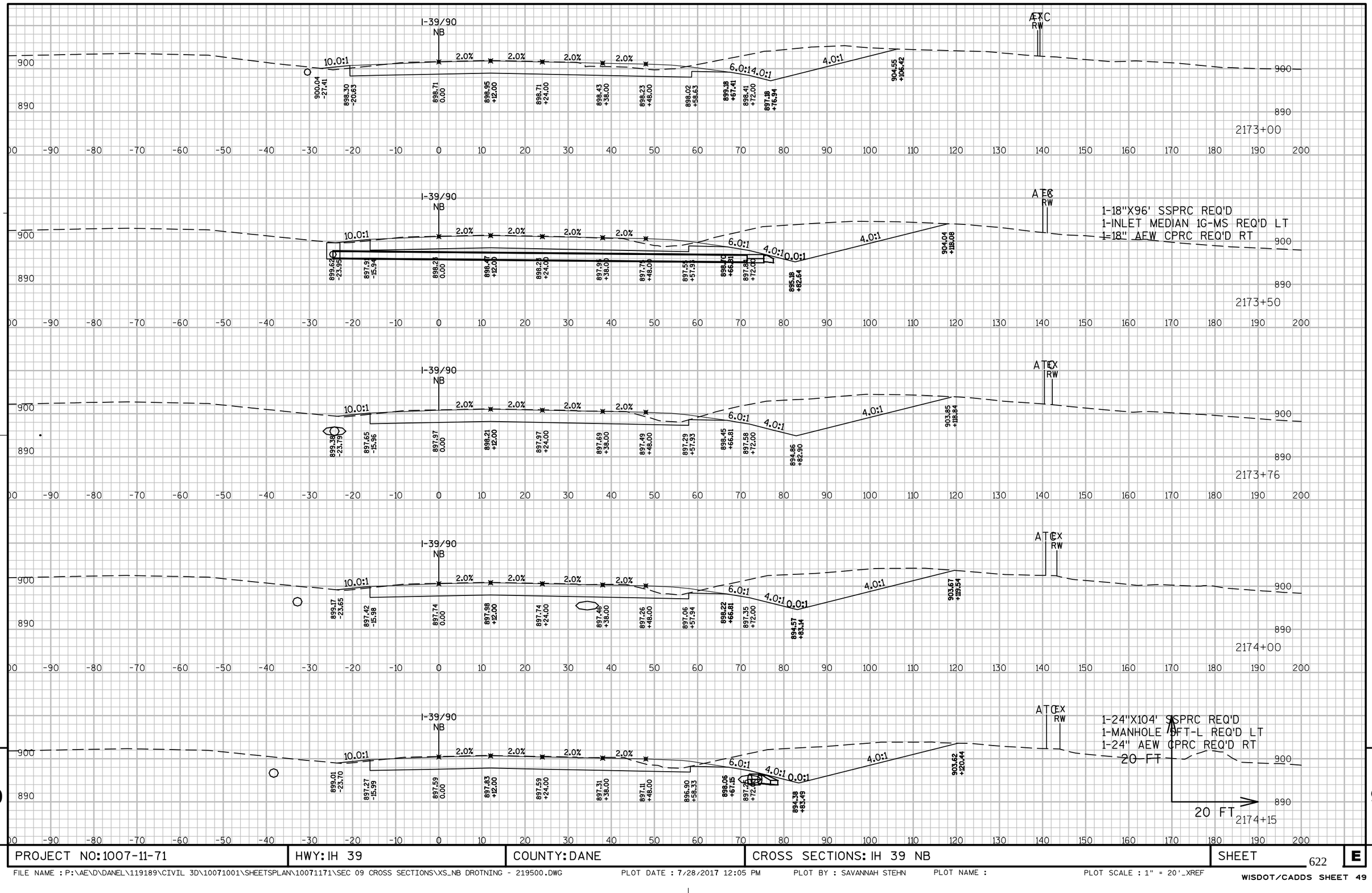
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 12:04 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 621	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 12:04 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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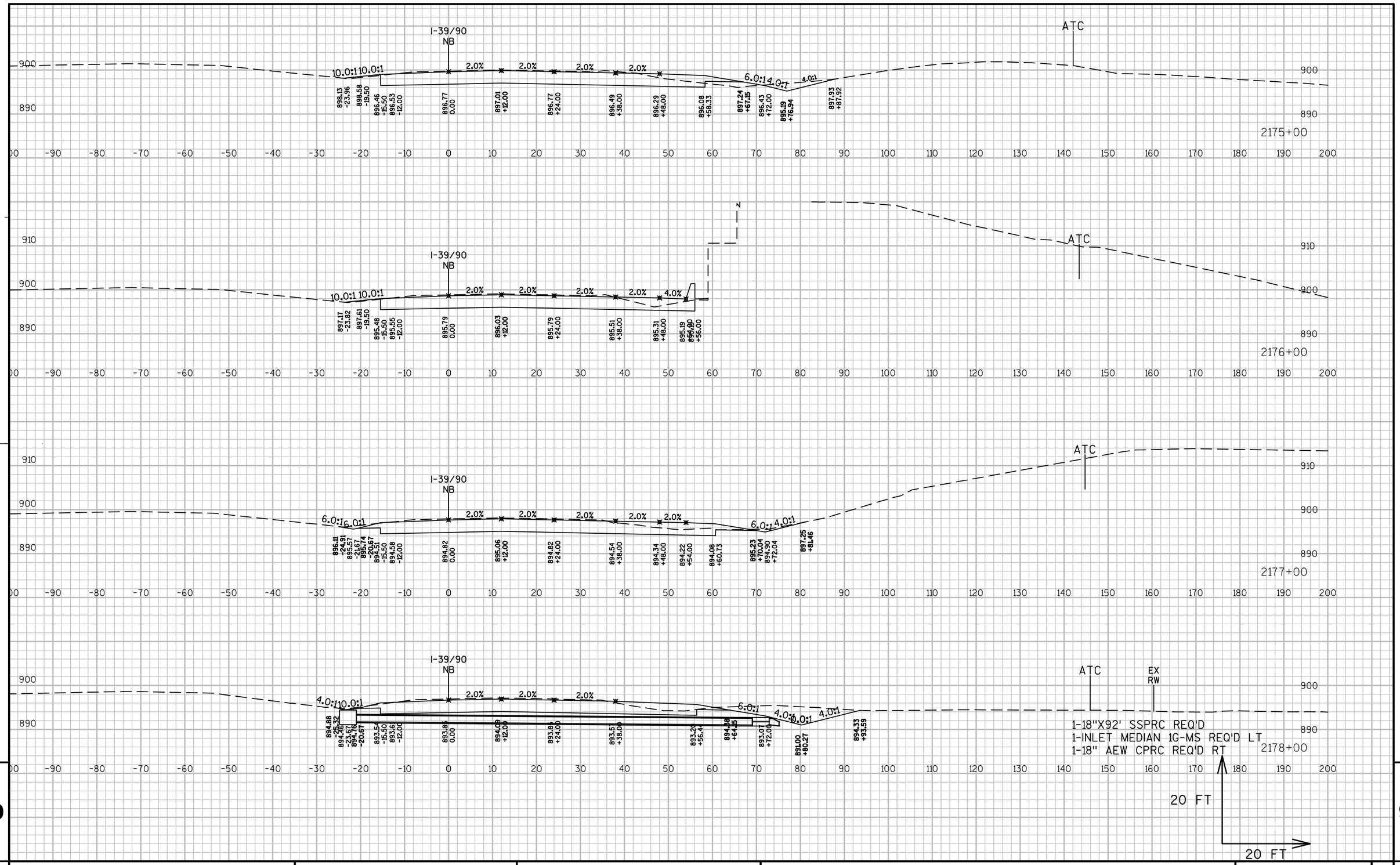
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 622	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 12:05 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF



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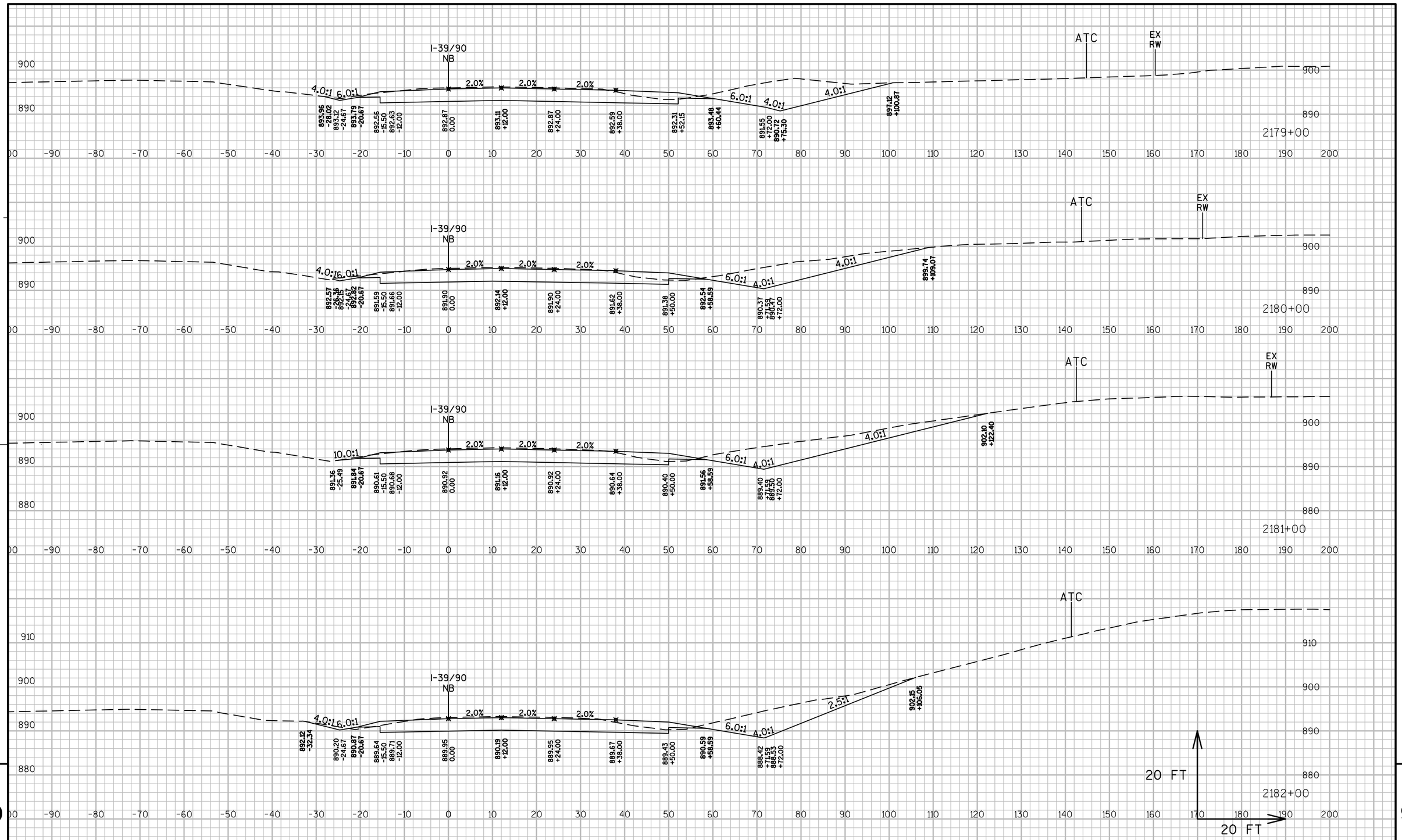
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 623	E

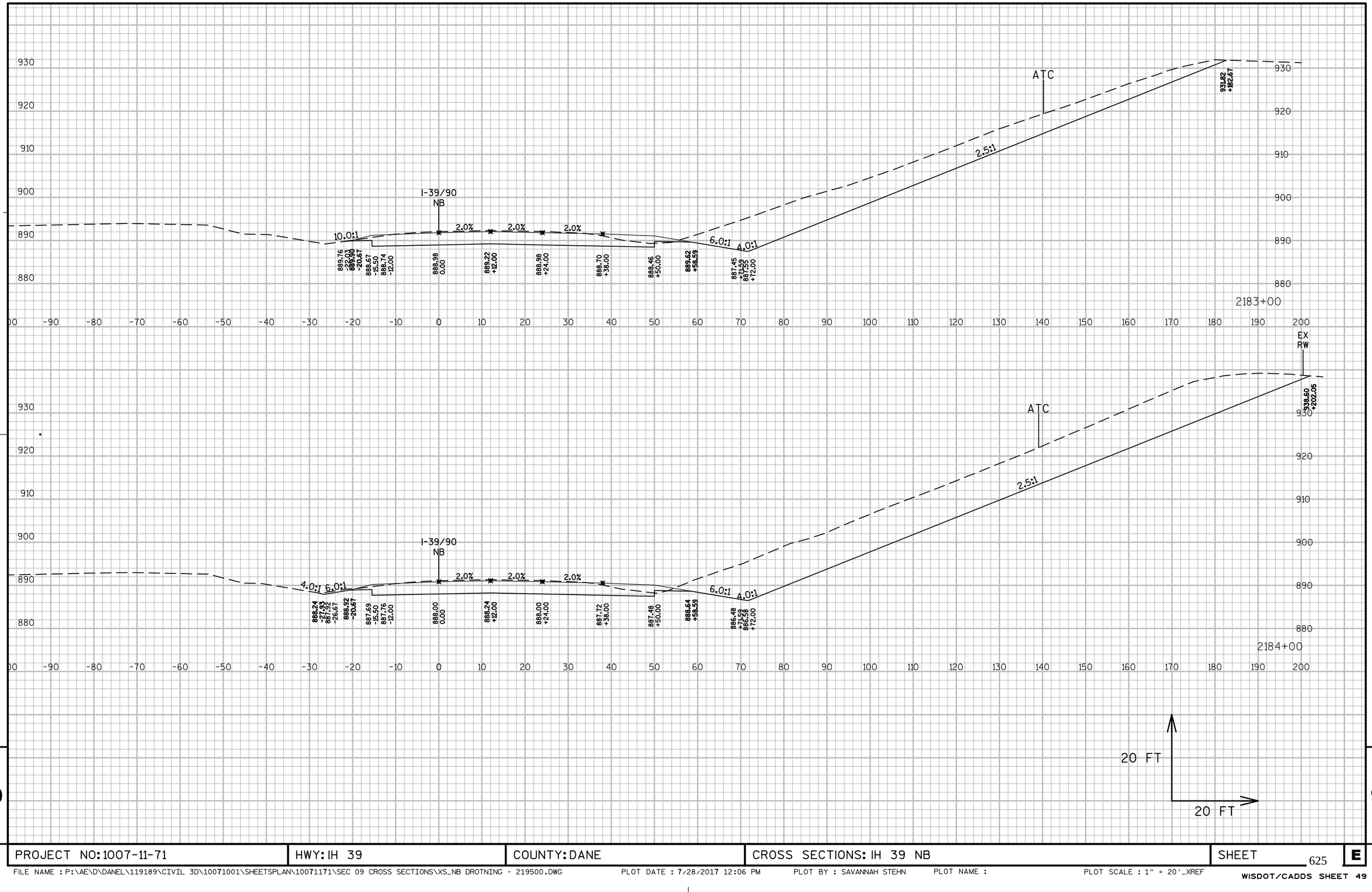
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 1:40 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 624	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 1:41 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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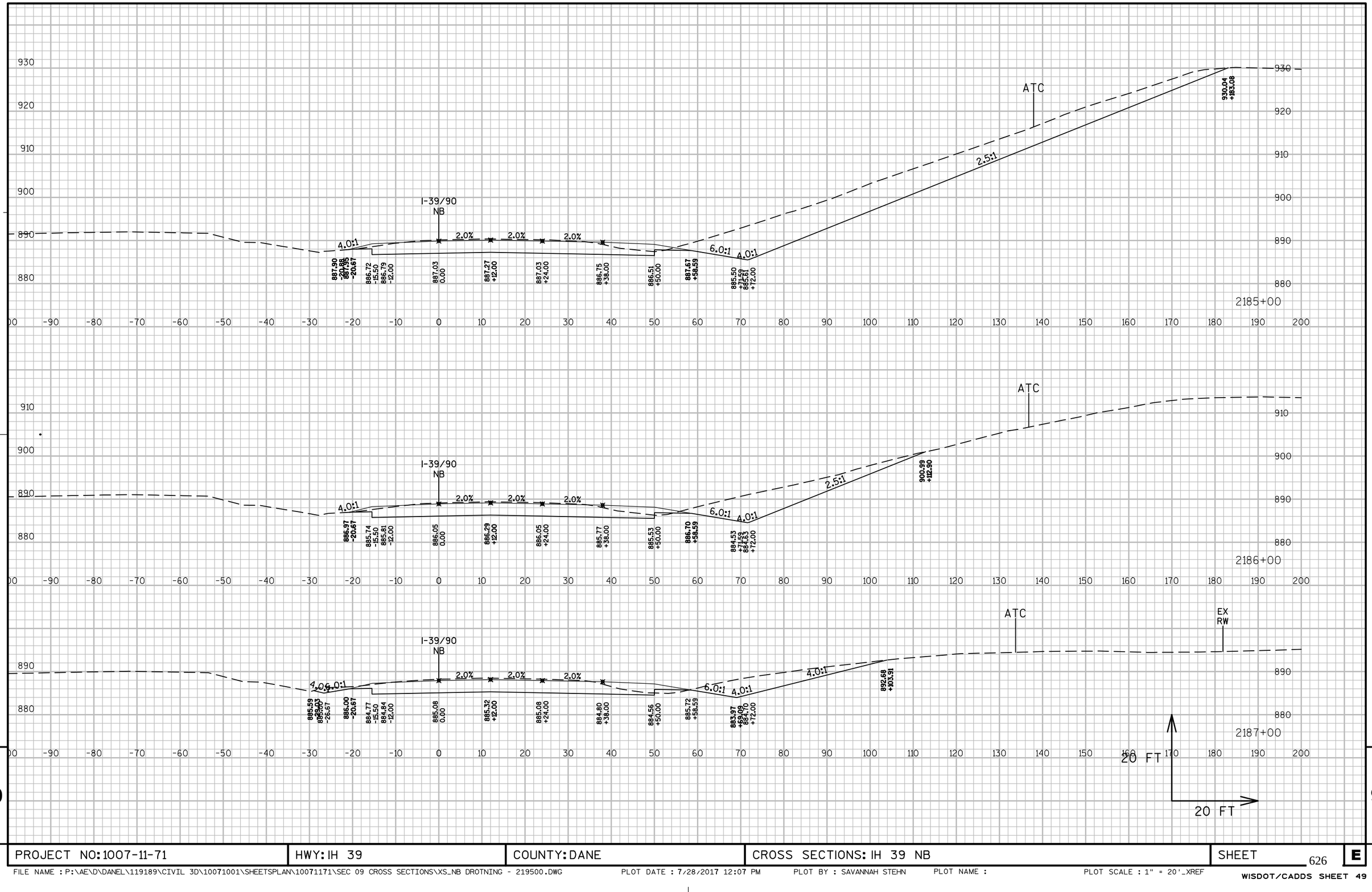
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 625	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 12:06 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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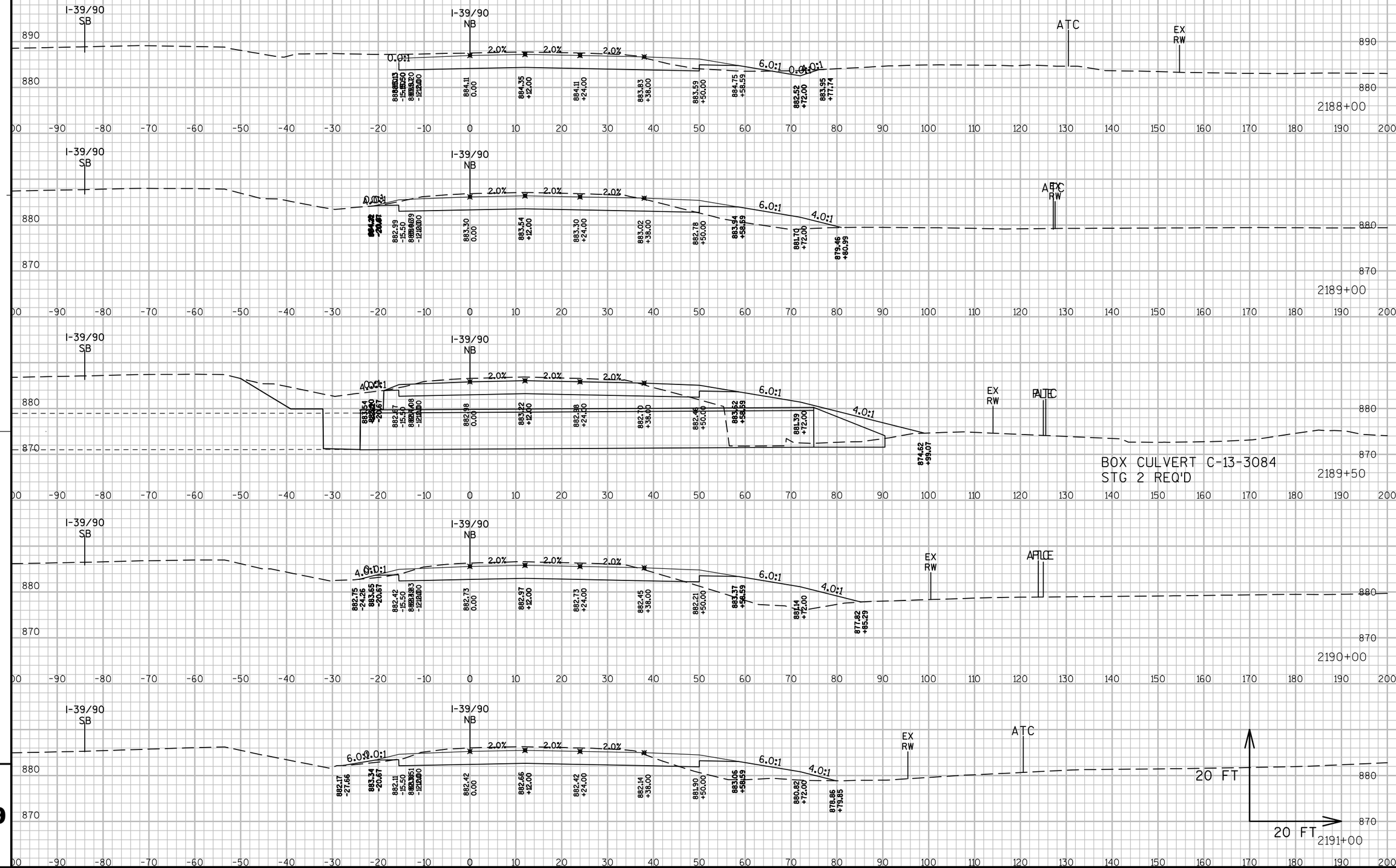
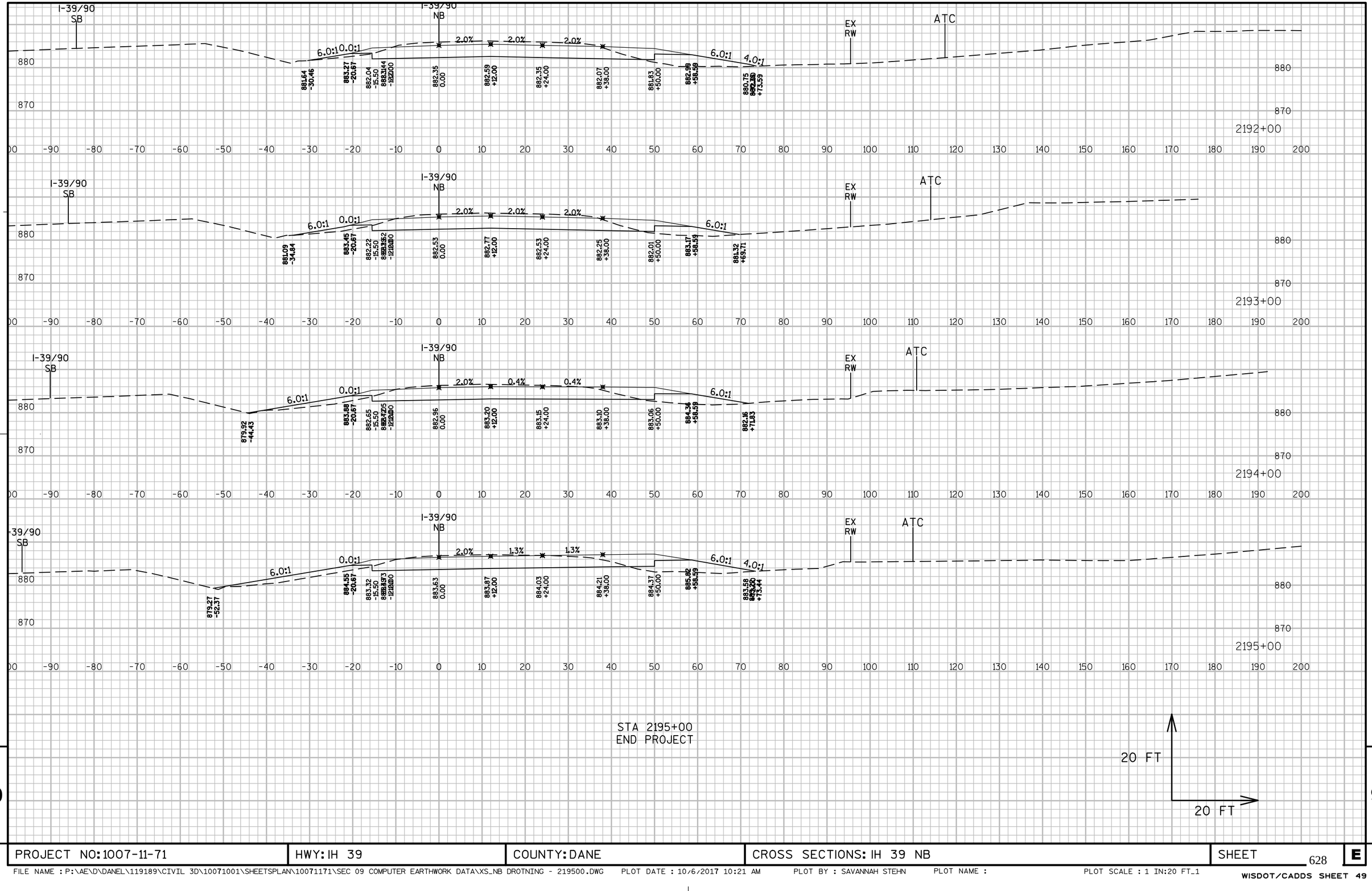
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 626	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB DROTNING - 219500.DWG PLOT DATE : 7/28/2017 12:07 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 627	E



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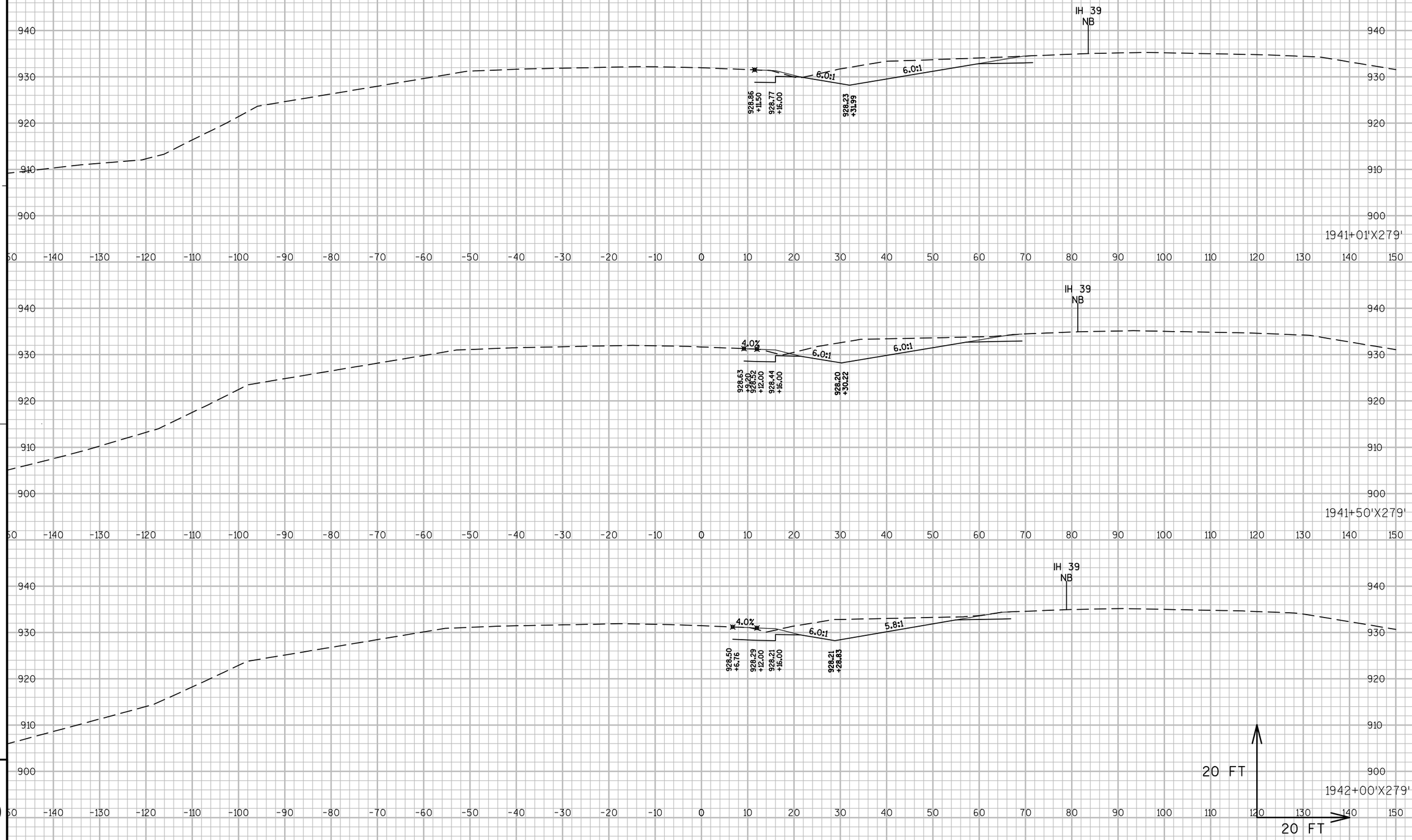
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 628	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 COMPUTER EARTHWORK DATA\XS_NB DROTNING - 219500.DWG PLOT DATE : 10/6/2017 10:21 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_1

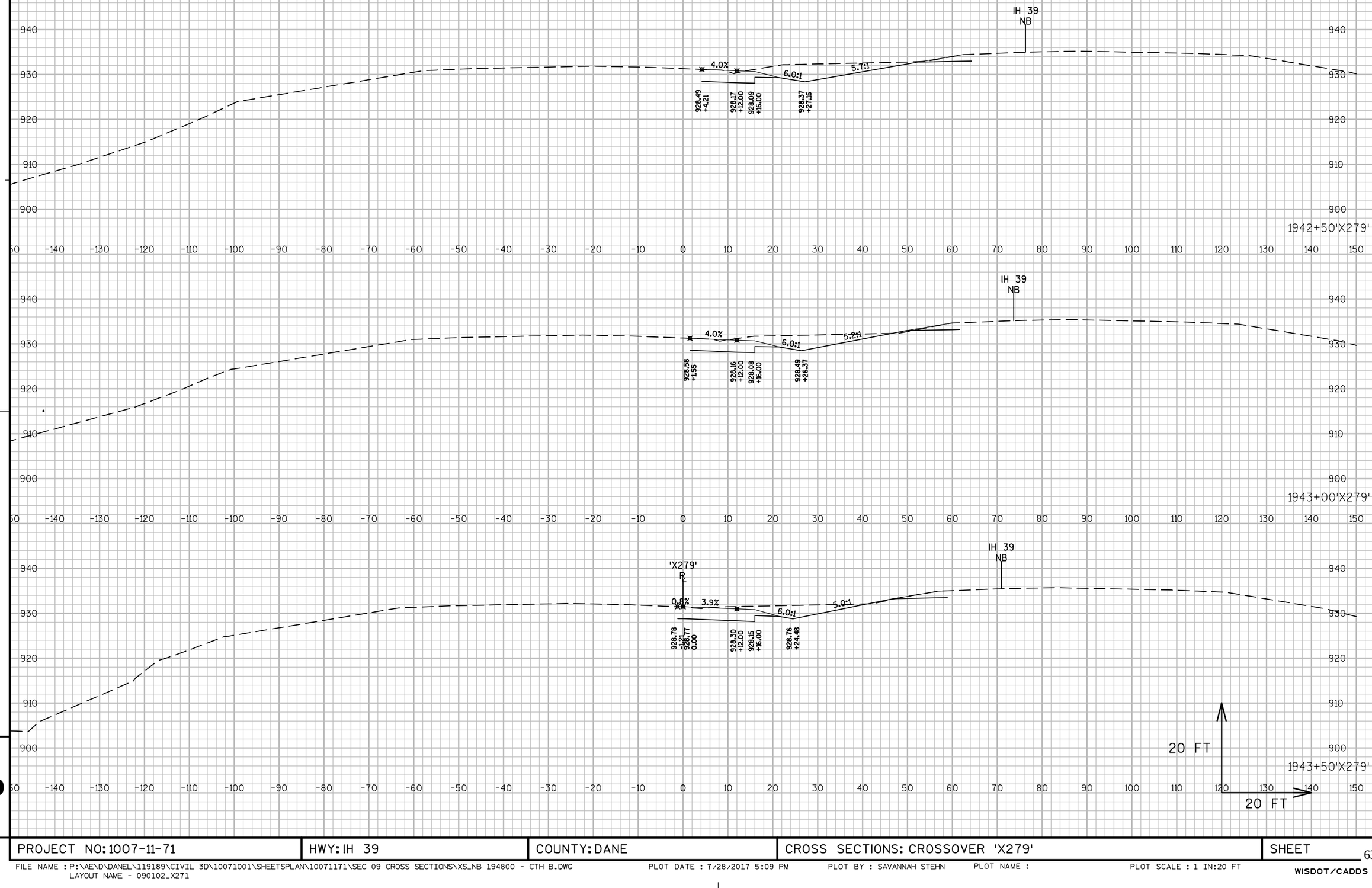
BEGIN CONSTRUCTION
STA 1940+78'X279'



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CROSSOVER 'X279'	SHEET 629	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 194800 - CTH B.DWG
LAYOUT NAME - 090101_X271
PLOT DATE : 7/28/2017 5:08 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

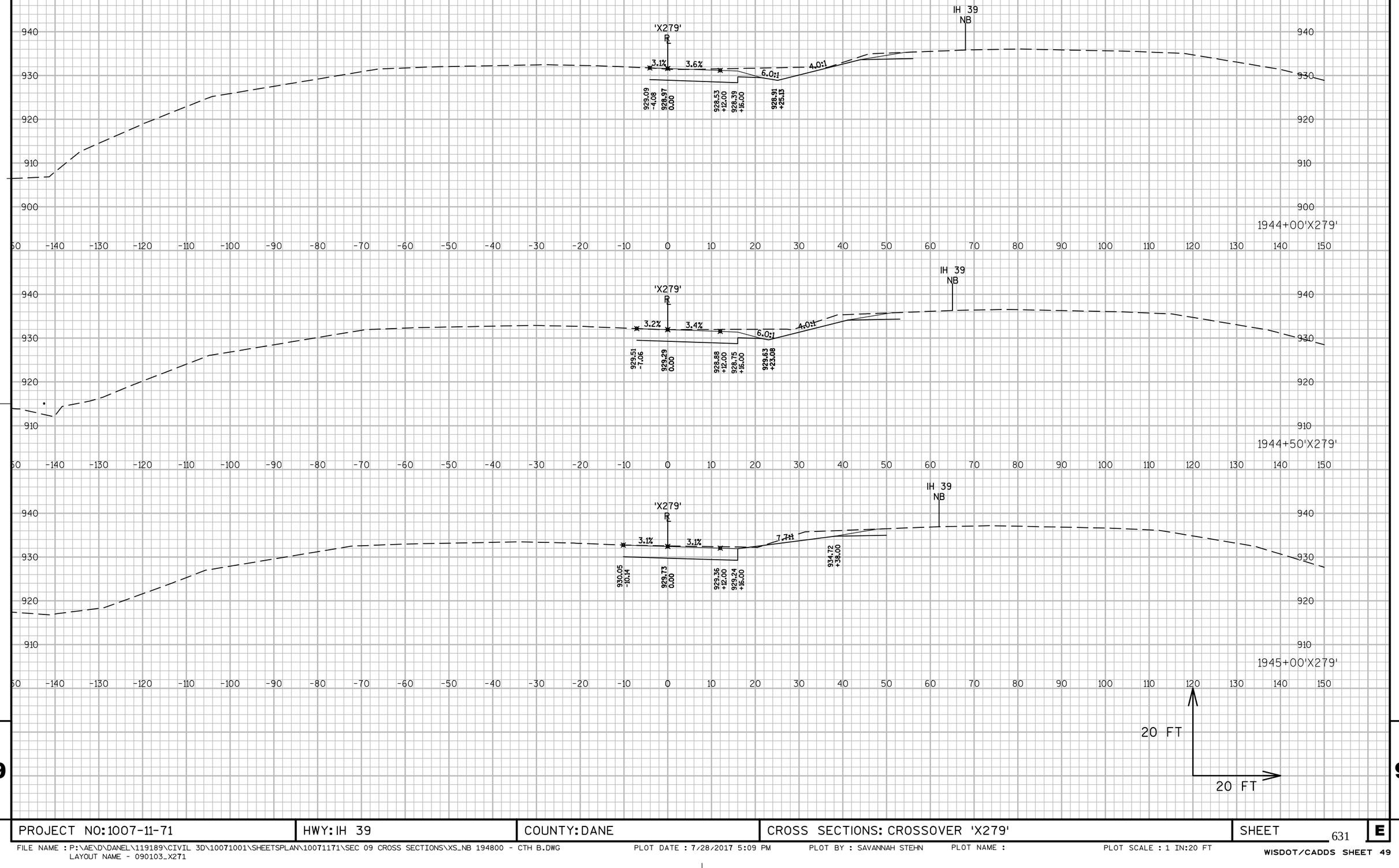
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CROSSOVER 'X279'	SHEET 630	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 194800 - CTH B.DWG
LAYOUT NAME - 090102_X271

PLOT DATE : 7/28/2017 5:09 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT



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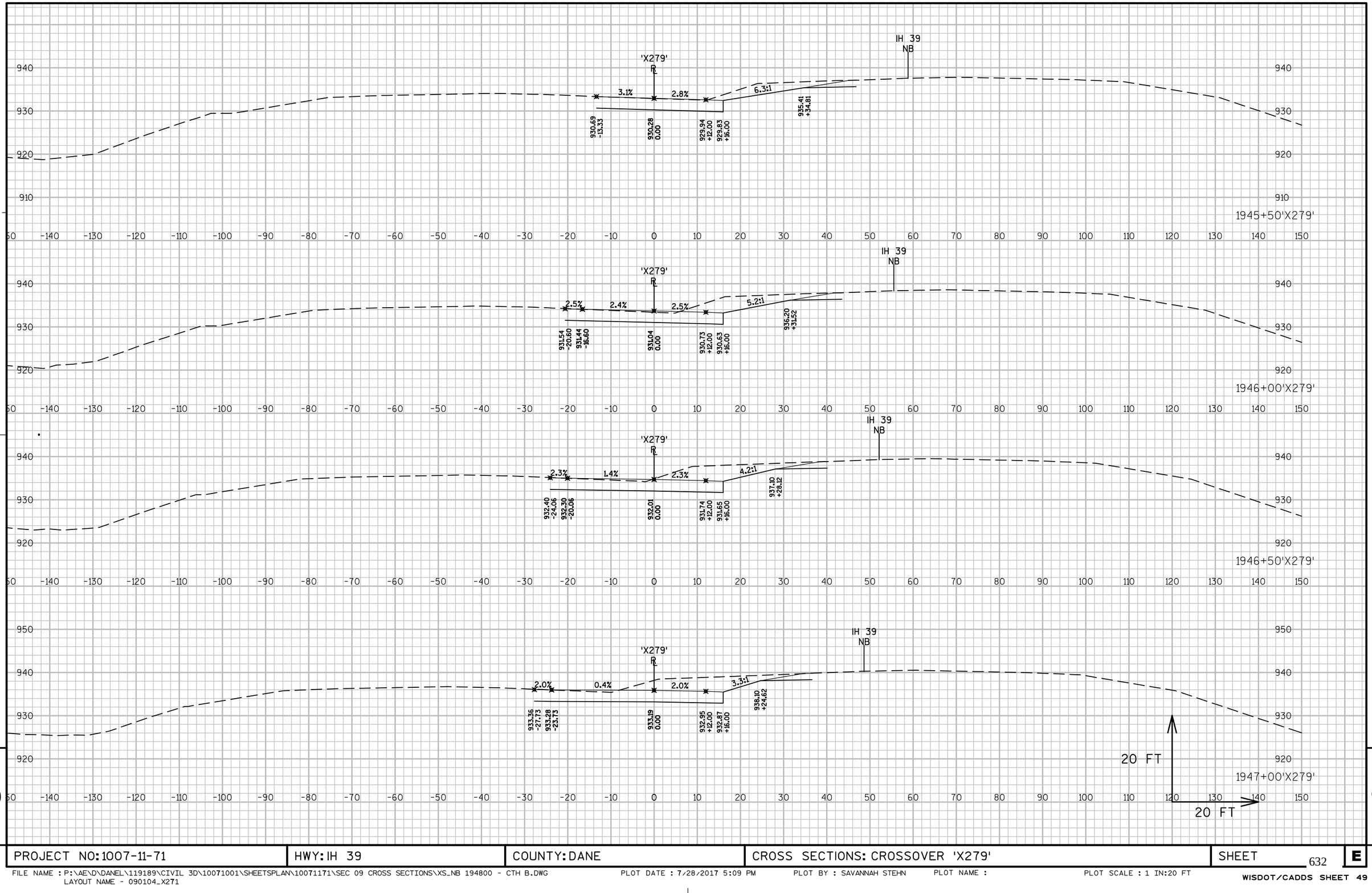
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CROSSOVER 'X279'	SHEET 631	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 194800 - CTH B.DWG
LAYOUT NAME - 090103_X271
PLOT DATE : 7/28/2017 5:09 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

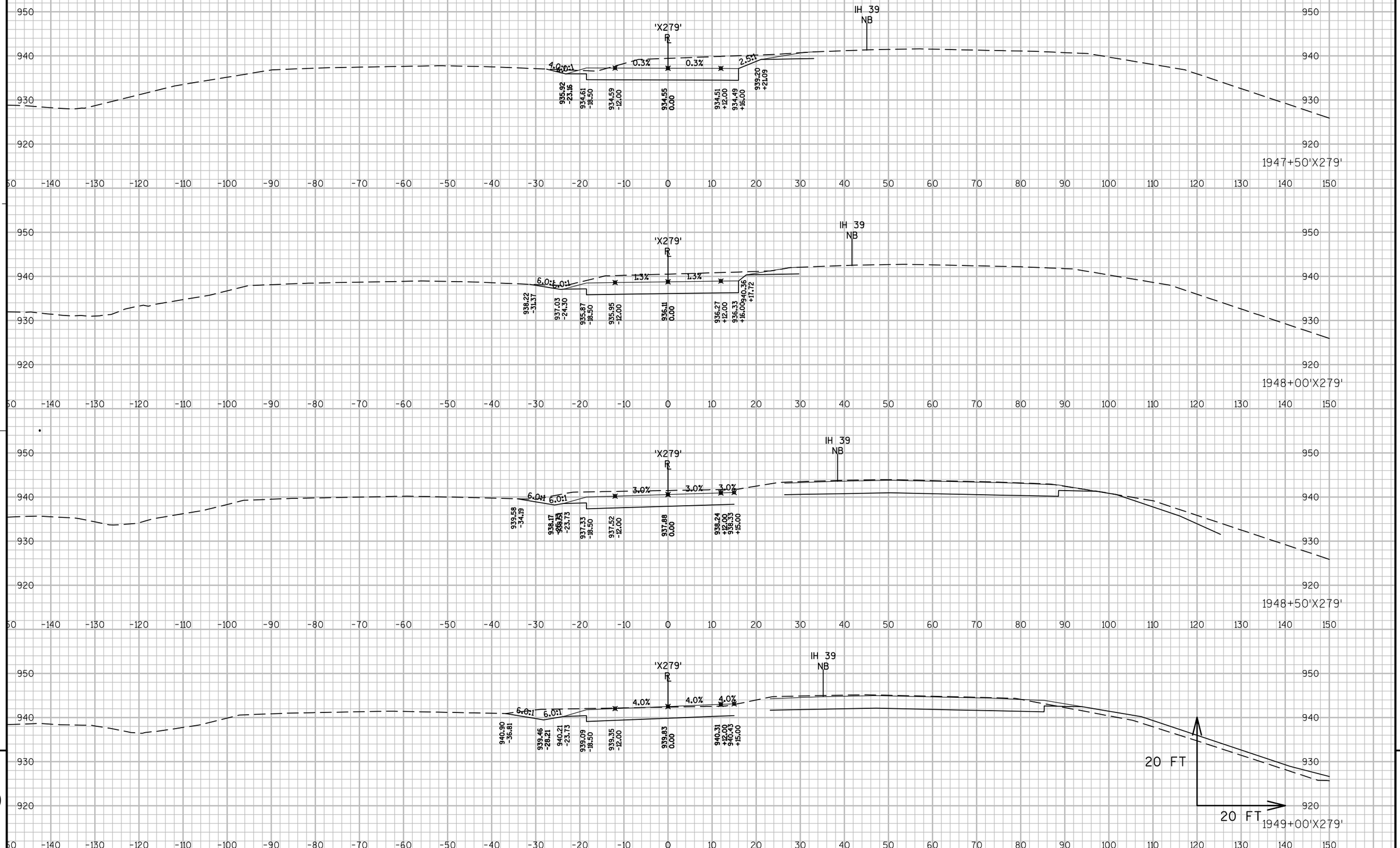


9 9

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CROSSOVER 'X279'	SHEET 632	E

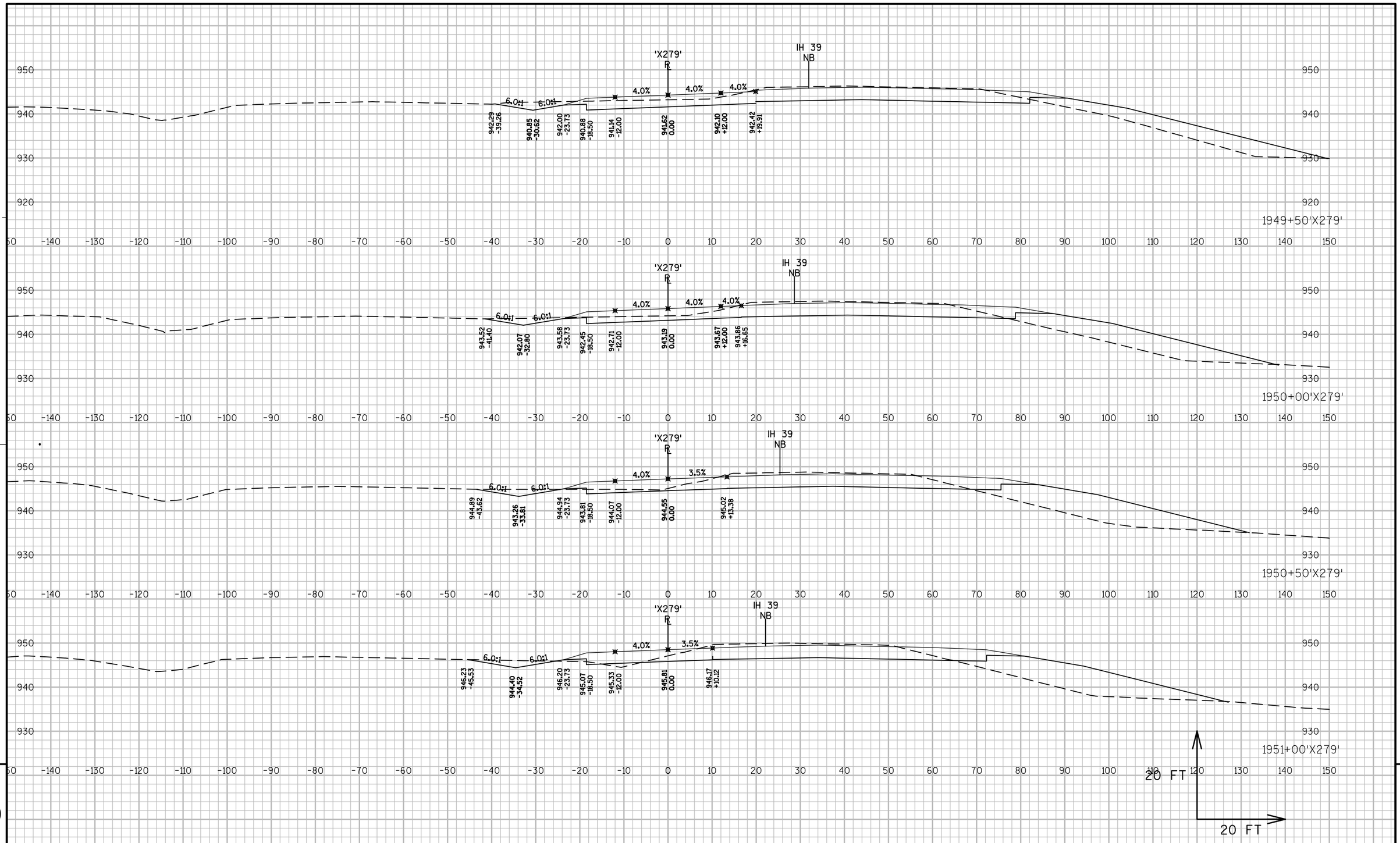
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 194800 - CTH B.DWG
LAYOUT NAME - 090104_X271

PLOT DATE : 7/28/2017 5:09 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CROSSOVER 'X279'	SHEET 633 E

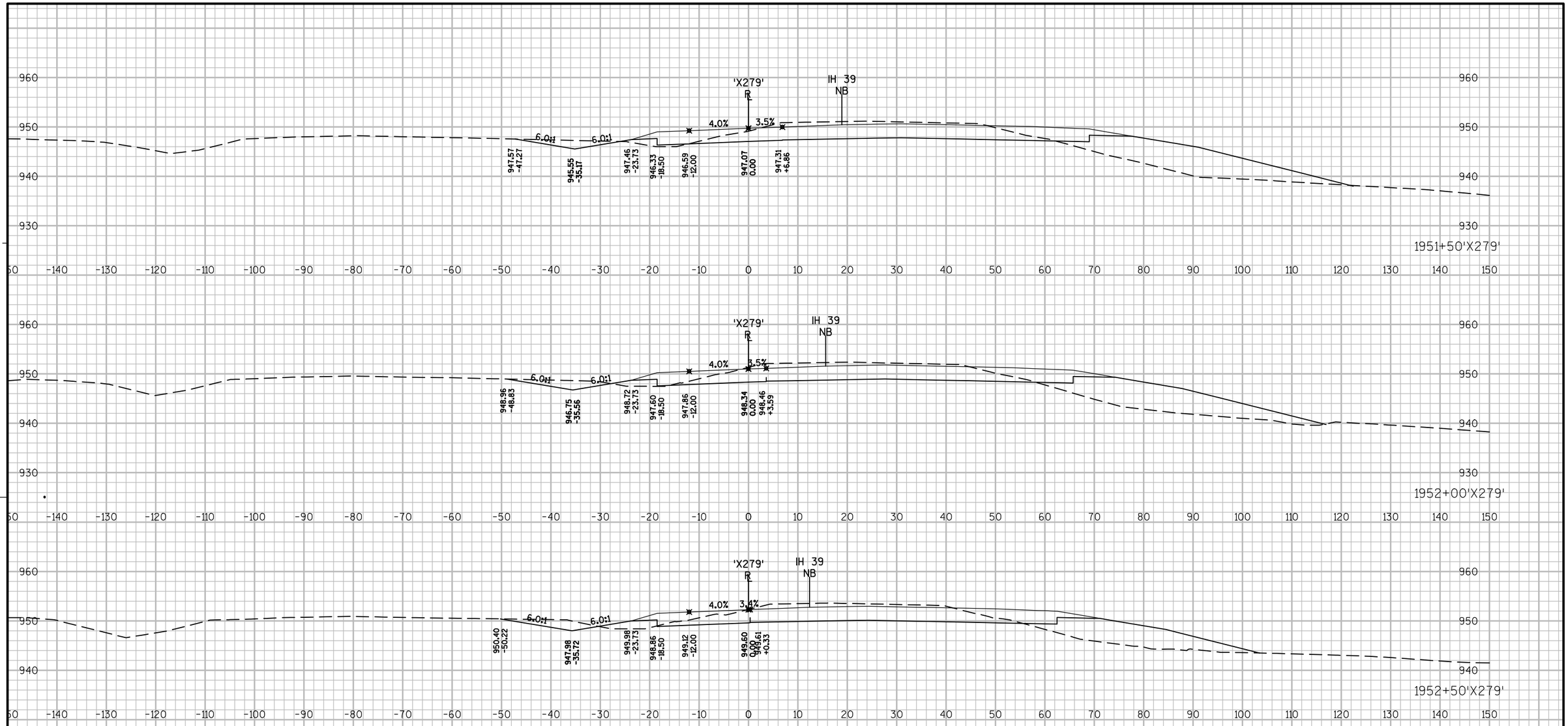
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 194800 - CTH B.DWG
LAYOUT NAME - 090105_X271
PLOT DATE : 7/28/2017 5:10 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CROSSOVER 'X279'	SHEET 634	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 194800 - CTH B.DWG
LAYOUT NAME - 090106_X271

PLOT DATE : 7/28/2017 5:10 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT



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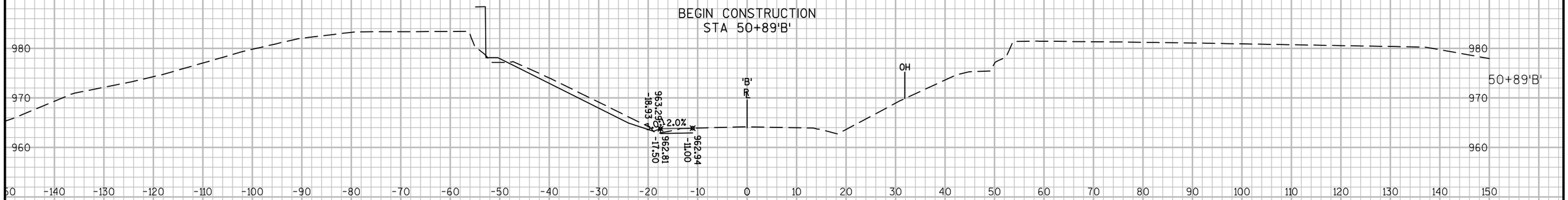
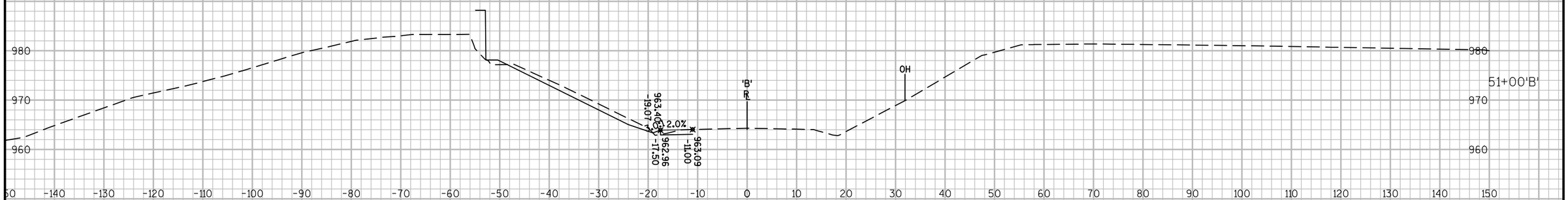
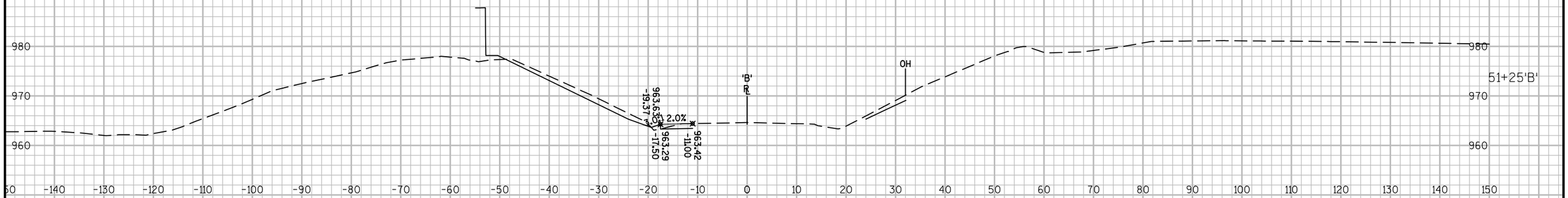
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CROSSOVER 'X279'	SHEET 635	E

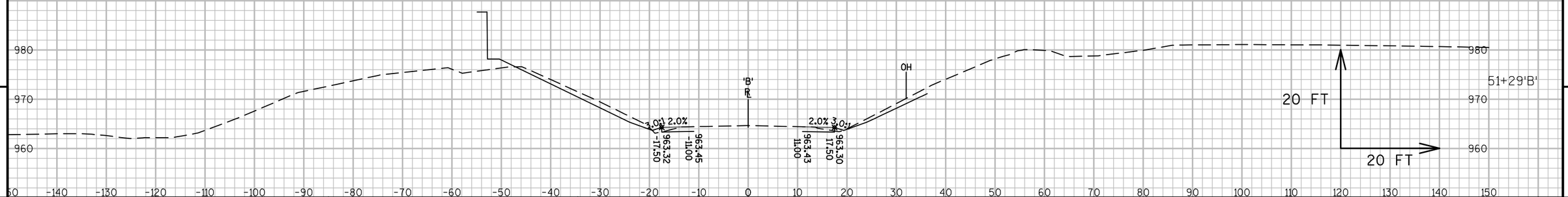
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB 194800 - CTH B.DWG
LAYOUT NAME - 090107_X271
PLOT DATE : 7/28/2017 5:11 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

BEGIN CONSTRUCTION
STA 50+89'B'









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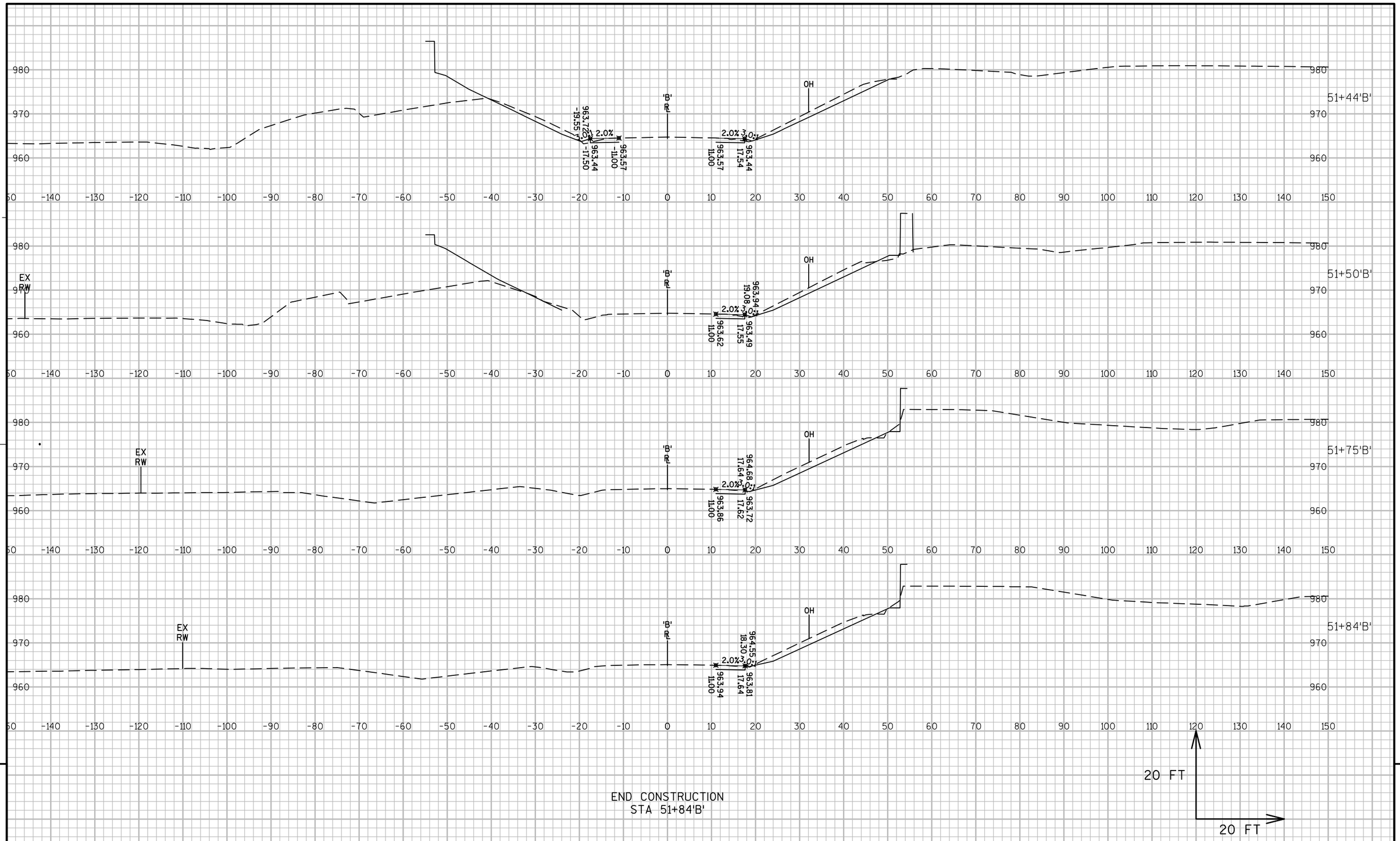
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH B	SHEET 636	E



END CONSTRUCTION
STA 51+84'B'

9

9

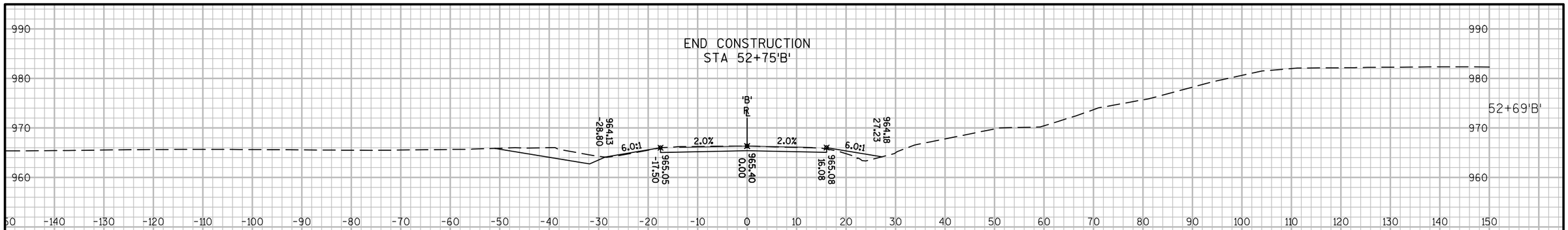
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH B	SHEET 637	E

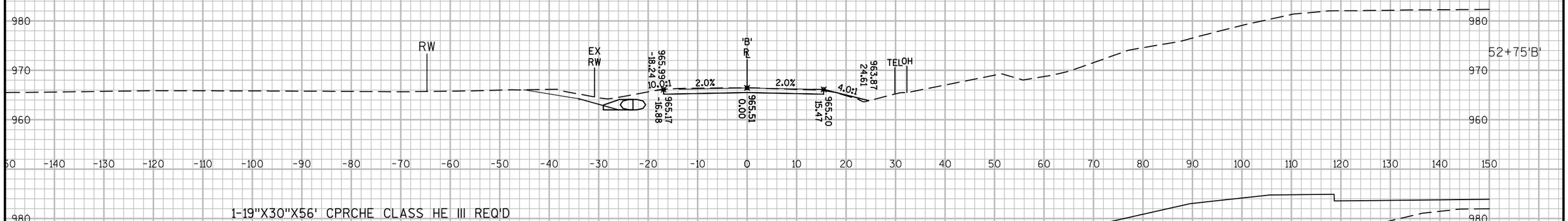
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 COMPUTER EARTHWORK DATA\XS_CTH B.DWG
LAYOUT NAME - 090102_B

PLOT DATE : 7/22/2017 10:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

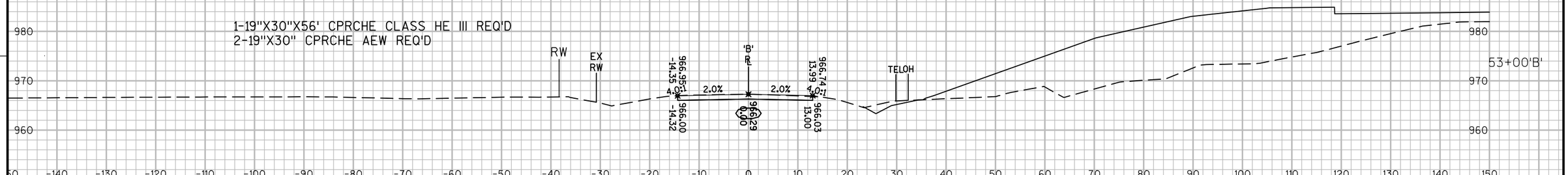
WISDOT/CADDS SHEET 49

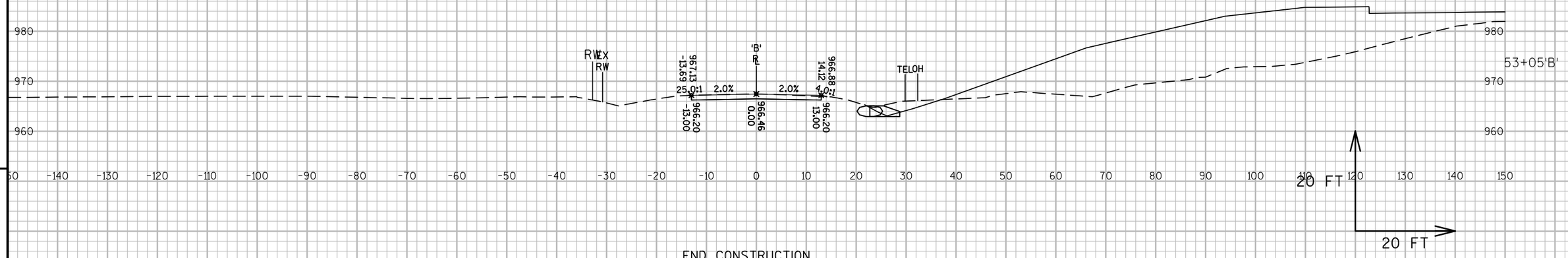
END CONSTRUCTION
STA 52+75'B'





1-19"X30"X56' CPRCHE CLASS HE III REQ'D
2-19"X30" CPRCHE AEW REQ'D





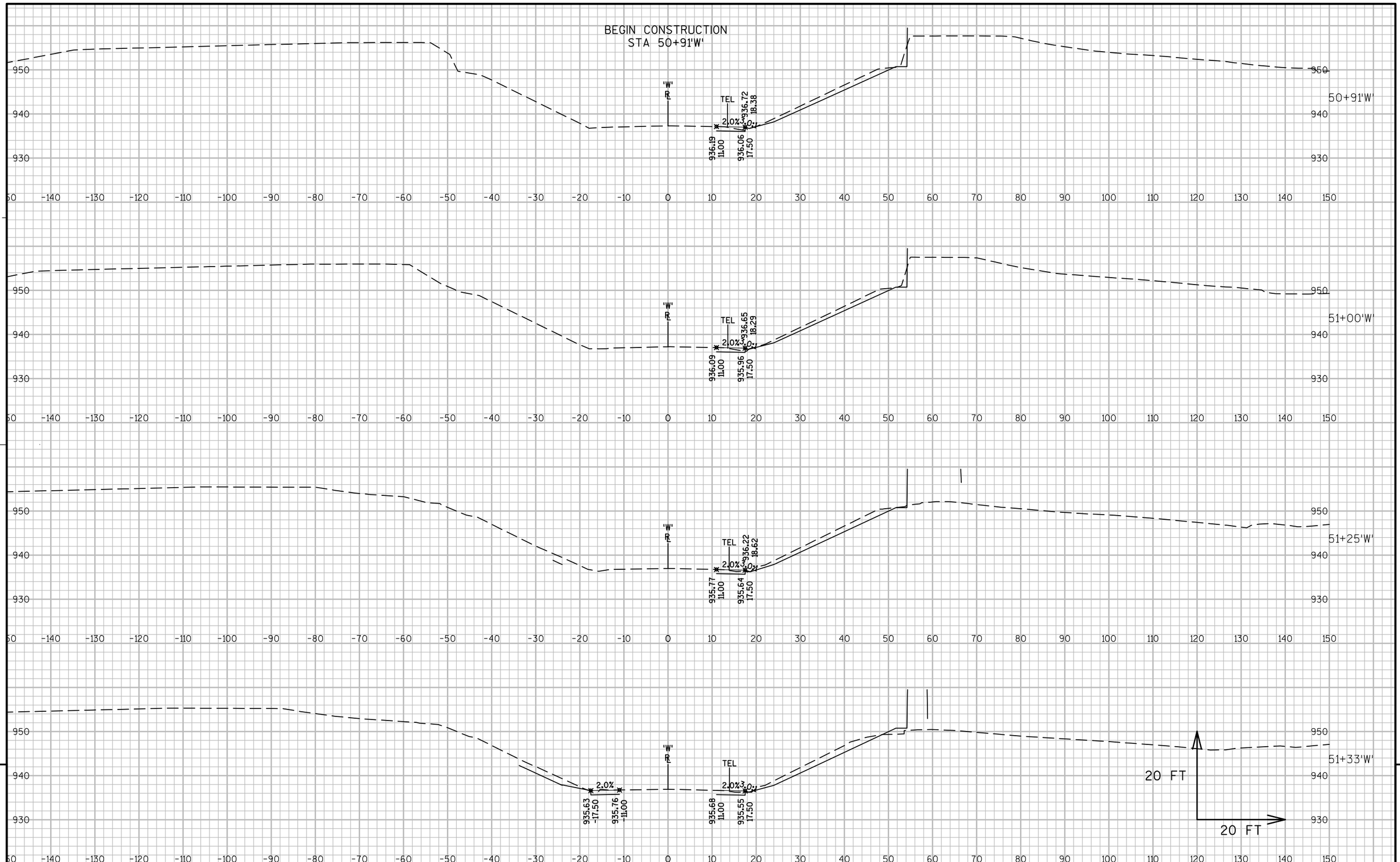
END CONSTRUCTION
STA 53+05'B'

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH B	SHEET 638	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_CTH B.DWG
LAYOUT NAME - 090103_B

PLOT DATE : 10/10/2017 9:59 AM PLOT BY : DEAN STODOLA PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



9

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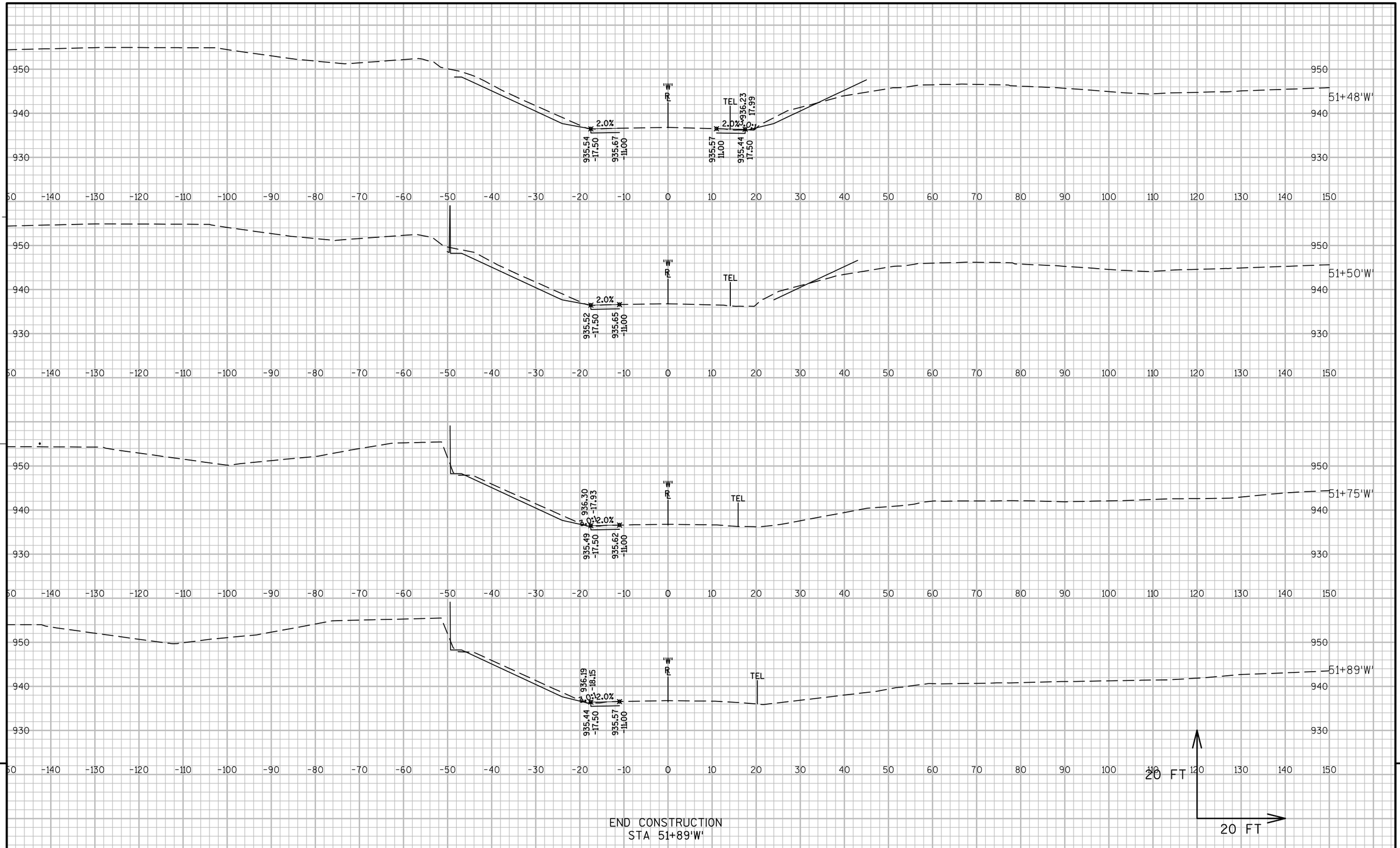
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH W	SHEET 639	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_CTH W.DWG
LAYOUT NAME - 090101_W

PLOT DATE : 7/21/2017 12:02 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



END CONSTRUCTION
STA 51+89'W'

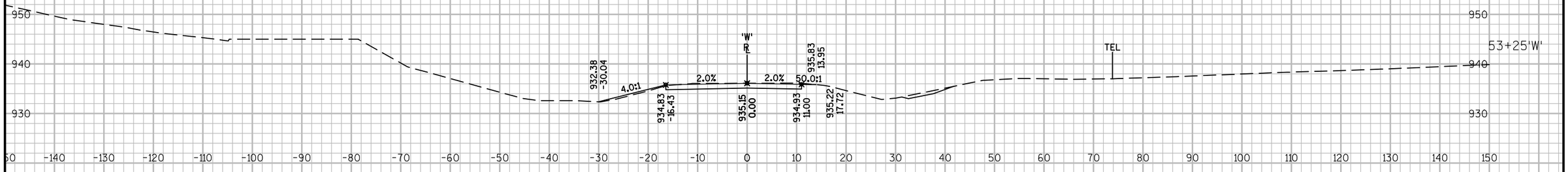
9

9

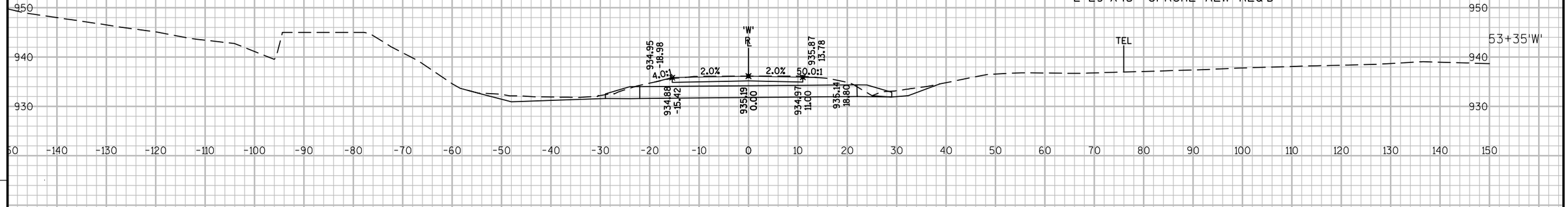
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH W	SHEET 640	E

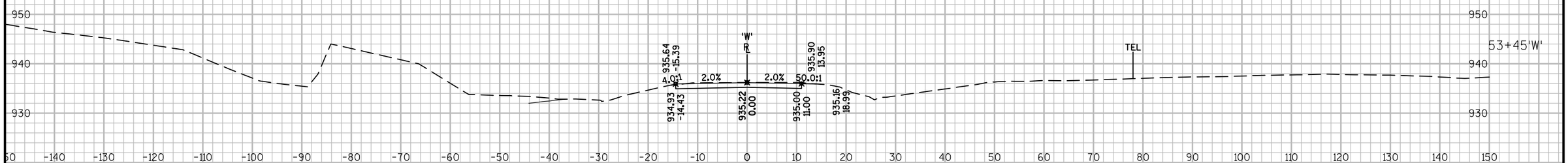
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_CTH W.DWG
LAYOUT NAME - 090102_W
PLOT DATE : 7/21/2017 12:02 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF
WISDOT/CADDS SHEET 49

BEGIN CONSTRUCTION
STA 53+25'W'

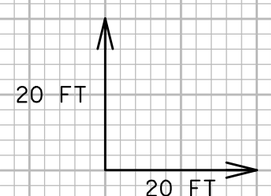


1-29"x45"X44' CPRCHE CLASS HE-III REQ'D
2-29"X45" CPRCHE AEW REQ'D





END CONSTRUCTION
STA 53+45'W'



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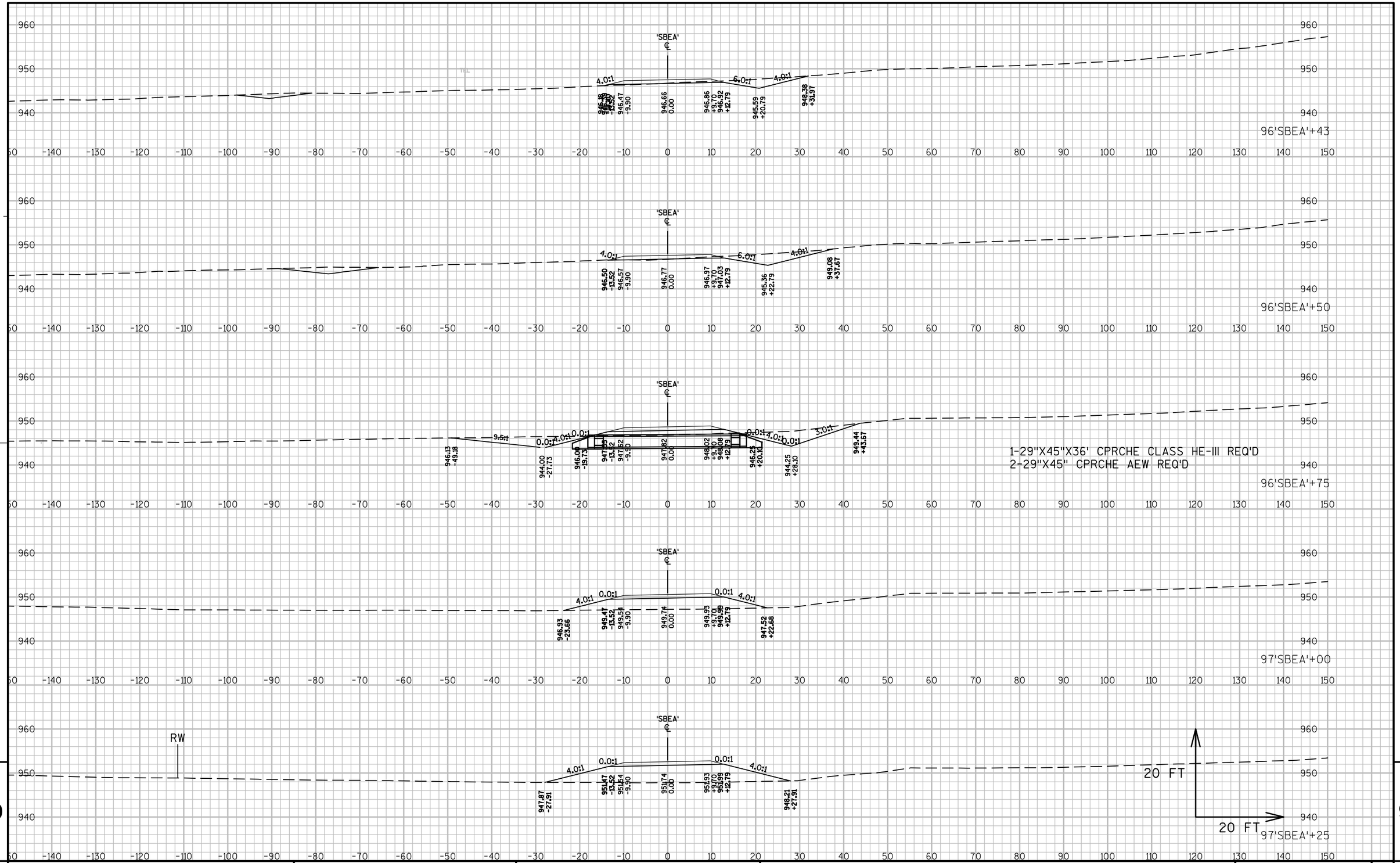
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH W	SHEET 641	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_CTH W.DWG
LAYOUT NAME - 090103_W

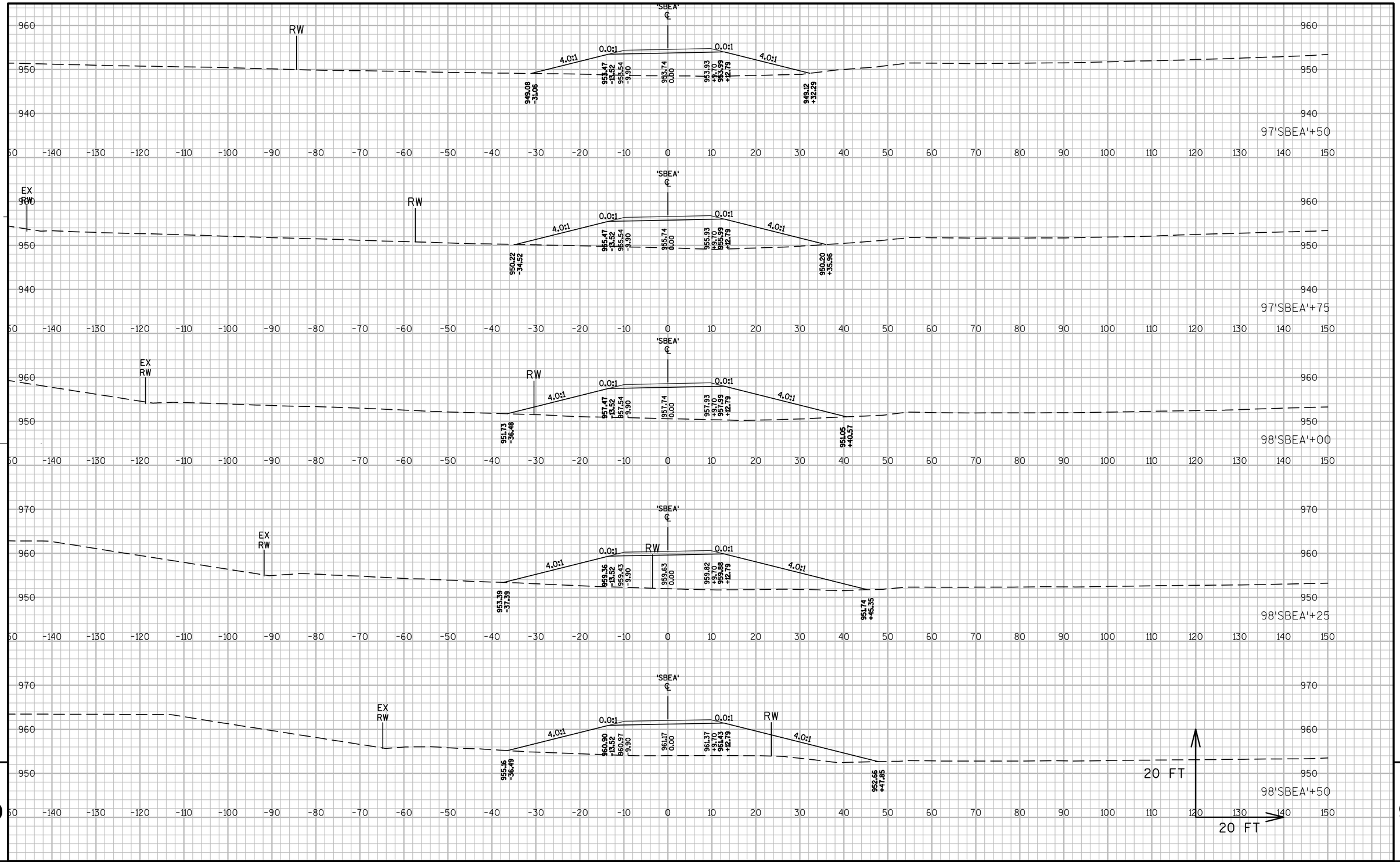
PLOT DATE : 10/10/2017 9:38 AM PLOT BY : DEAN STODOLA PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49

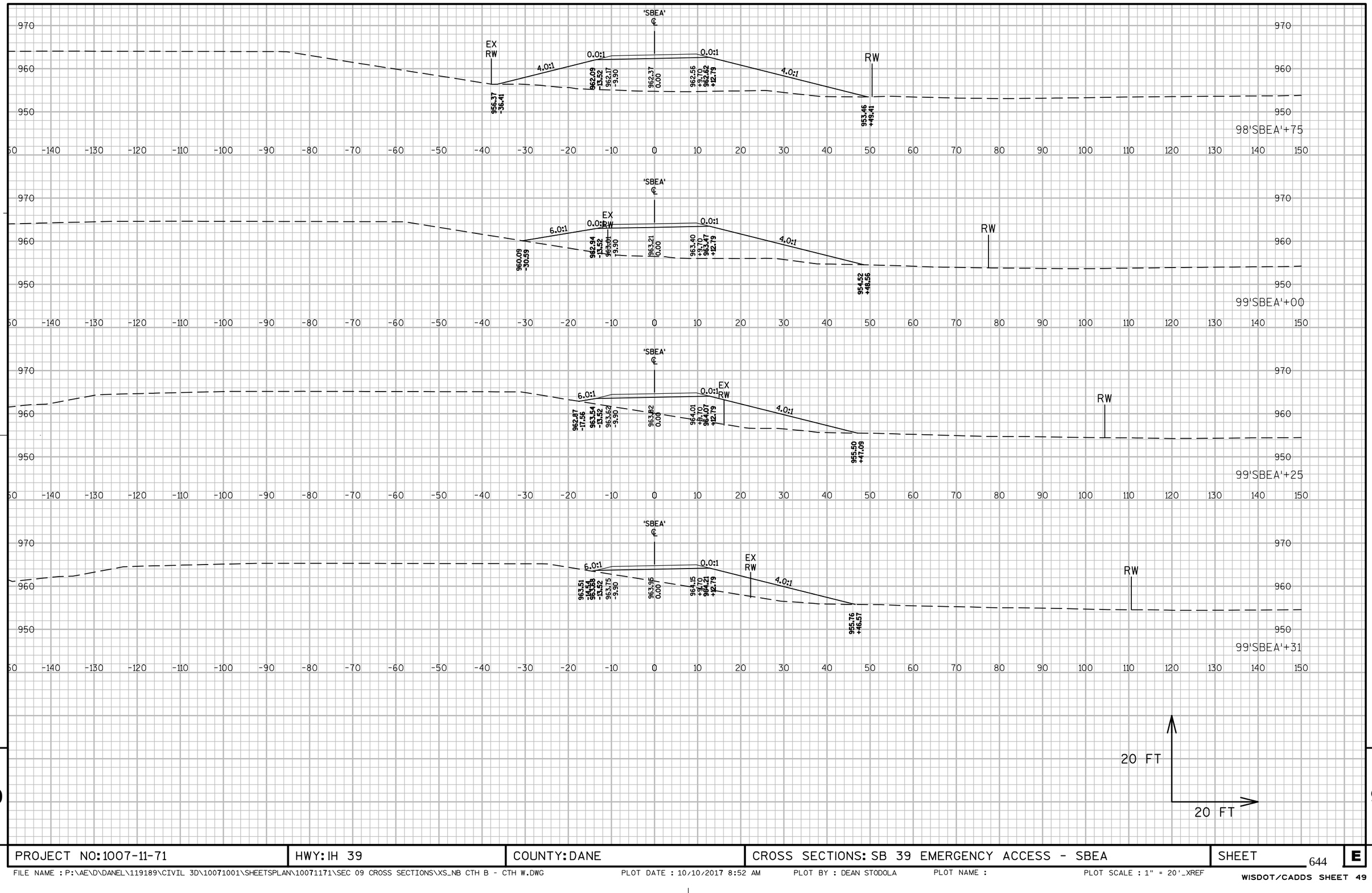


PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: SB 39 EMERGENCY ACCESS - SBEA	SHEET 642	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 10/10/2017 8:50 AM PLOT BY : DEAN STODOLA PLOT NAME : PLOT SCALE : 1" = 20'_XREF



PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: SB 39 EMERGENCY ACCESS - SBEA	SHEET 643	E



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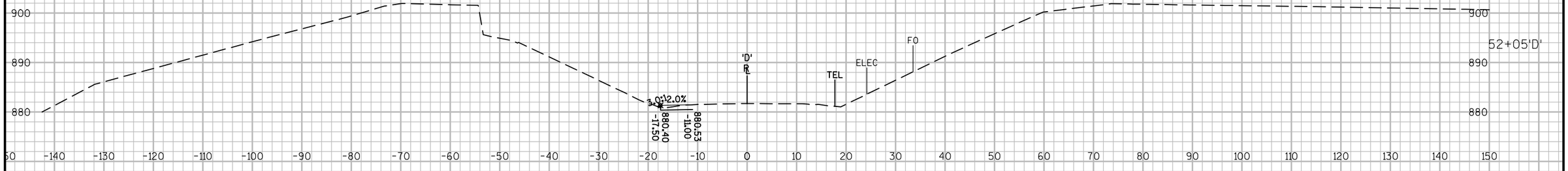
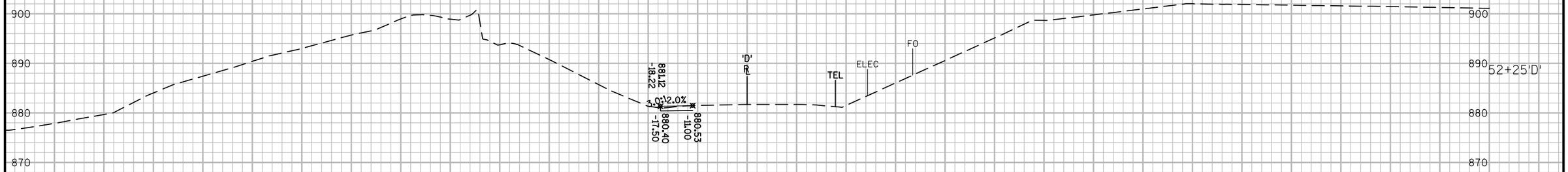
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: SB 39 EMERGENCY ACCESS - SBEA	SHEET 644	E

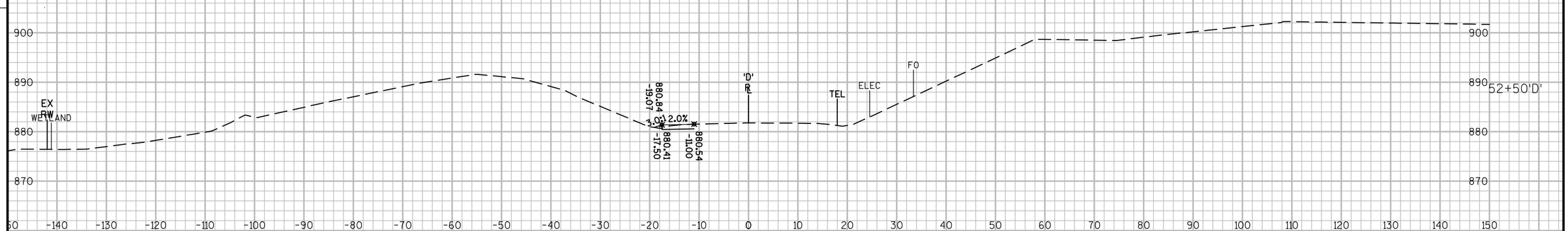
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_NB CTH B - CTH W.DWG PLOT DATE : 10/10/2017 8:52 AM PLOT BY : DEAN STODOLA PLOT NAME : PLOT SCALE : 1" = 20'_XREF

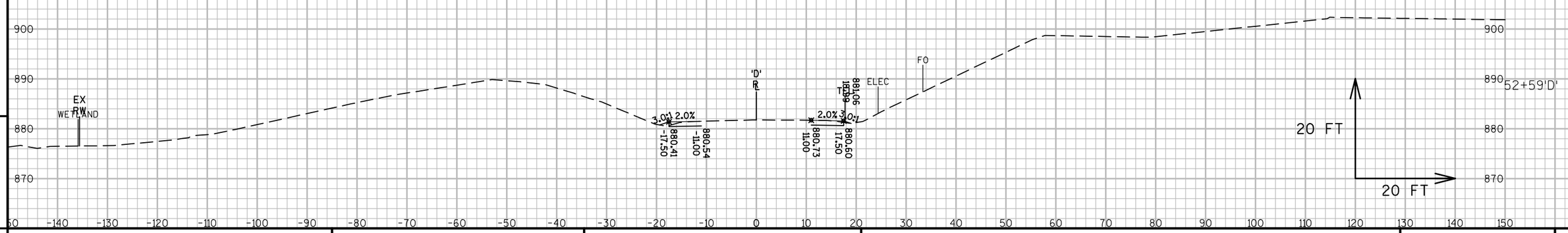
WISDOT/CADDS SHEET 49

BEGIN CONSTRUCTION
STA 52+05'D'









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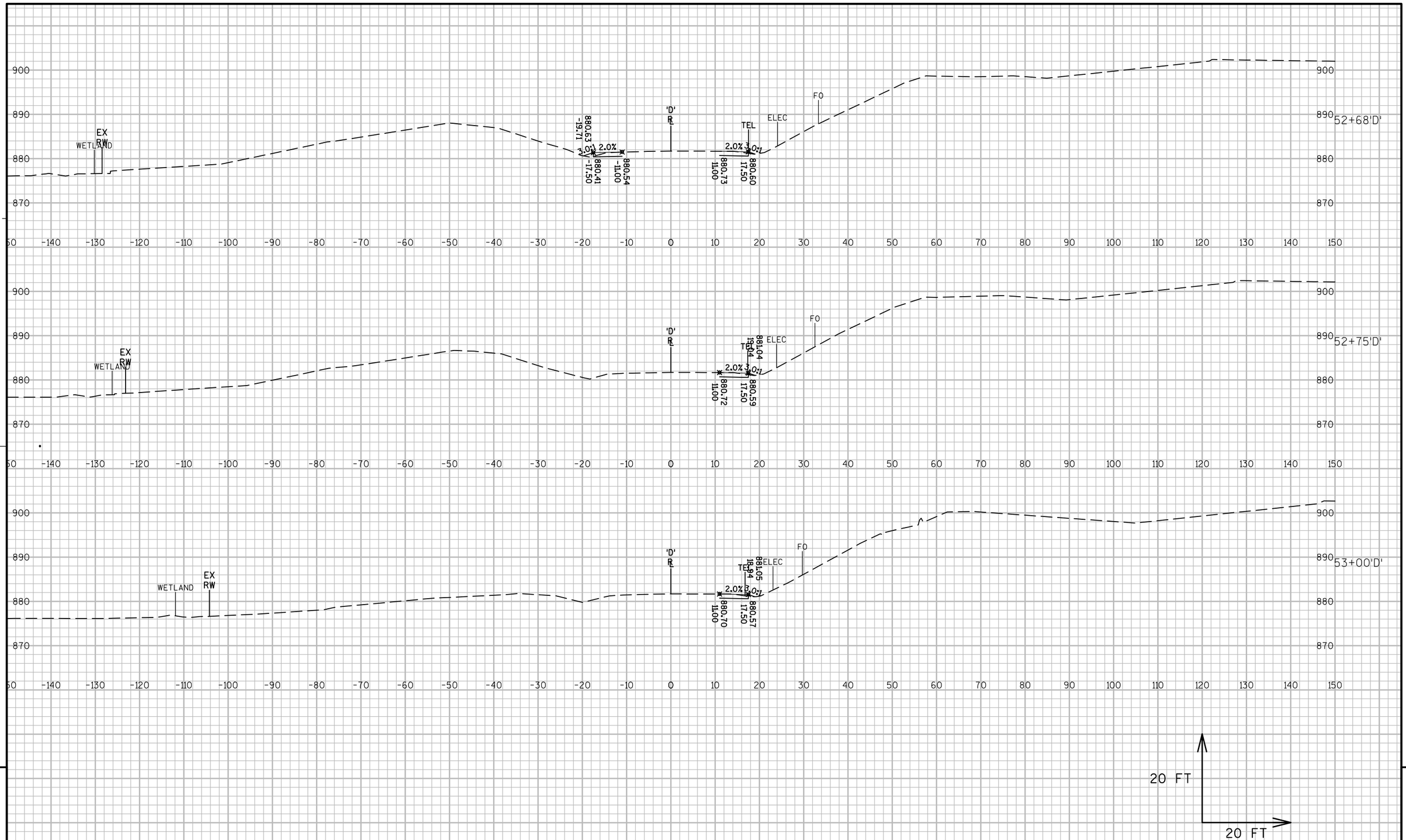
PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: DROTNING RD	SHEET 645	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_DROTNING RD.DWG
LAYOUT NAME - 090101_DR

PLOT DATE : 7/28/2017 6:01 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

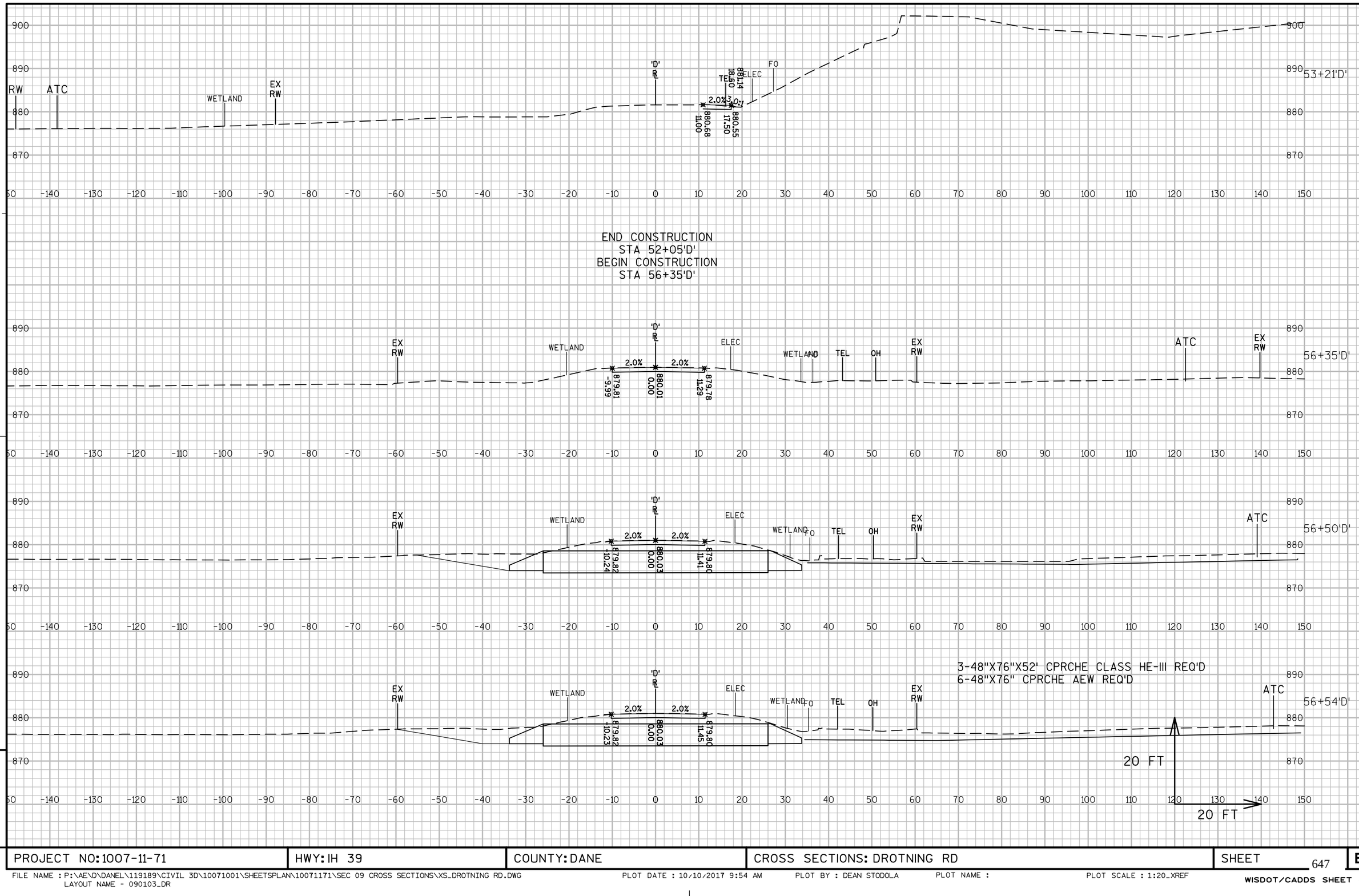


PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: DROTNING RD	SHEET 646	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_DROTNING RD.DWG
LAYOUT NAME - 090102_DR

PLOT DATE : 7/28/2017 6:01 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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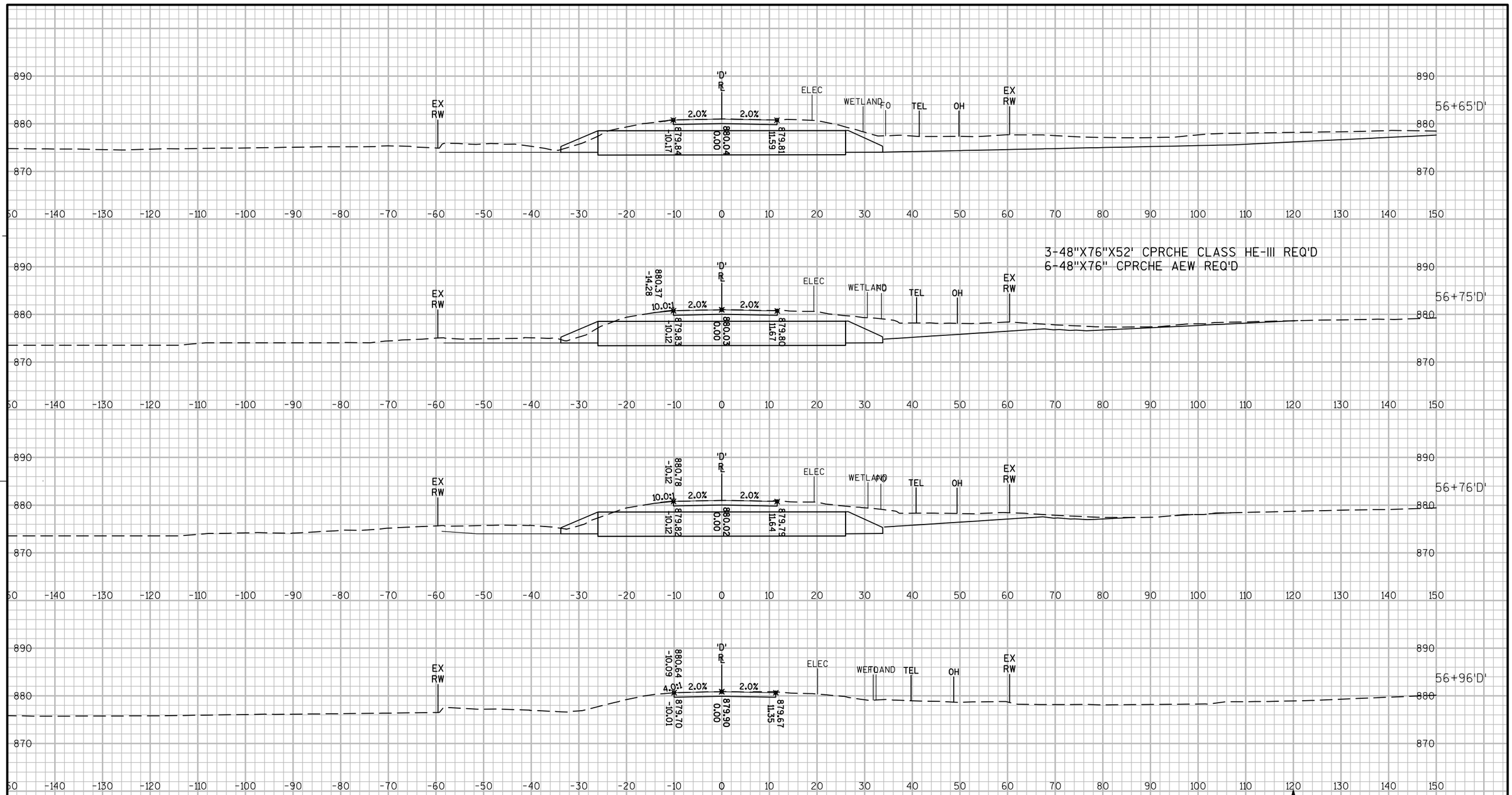
9

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: DROTNING RD	SHEET 647	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071171\SEC 09 CROSS SECTIONS\XS_DROTNING RD.DWG
LAYOUT NAME - 090103_DR

PLOT DATE : 10/10/2017 9:54 AM PLOT BY : DEAN STODOLA PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1007-11-71	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: DROTNING RD	SHEET 648	E

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LAYOUT NAME - 090104_DR
PLOT DATE : 10/10/2017 9:53 AM PLOT BY : DEAN STODOLA PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

MAD

JANUARY 2018

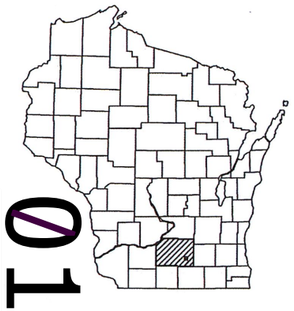
PROJECT ID: 1007-11-76
WITH: 1007-11-71

COUNTY: DANE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 472



01

DESIGN DESIGNATION

			IH 39
A.A.D.T.	2020	=	56,650
A.A.D.T.	2040	=	70,300
D.H.V.	2040	=	7,450
D.D.		=	58/42
T.		=	29.1%
DESIGN SPEED		=	70 MPH
ESALS		=	45,858,600

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (96.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

ILLINOIS STATE LINE - MADISON

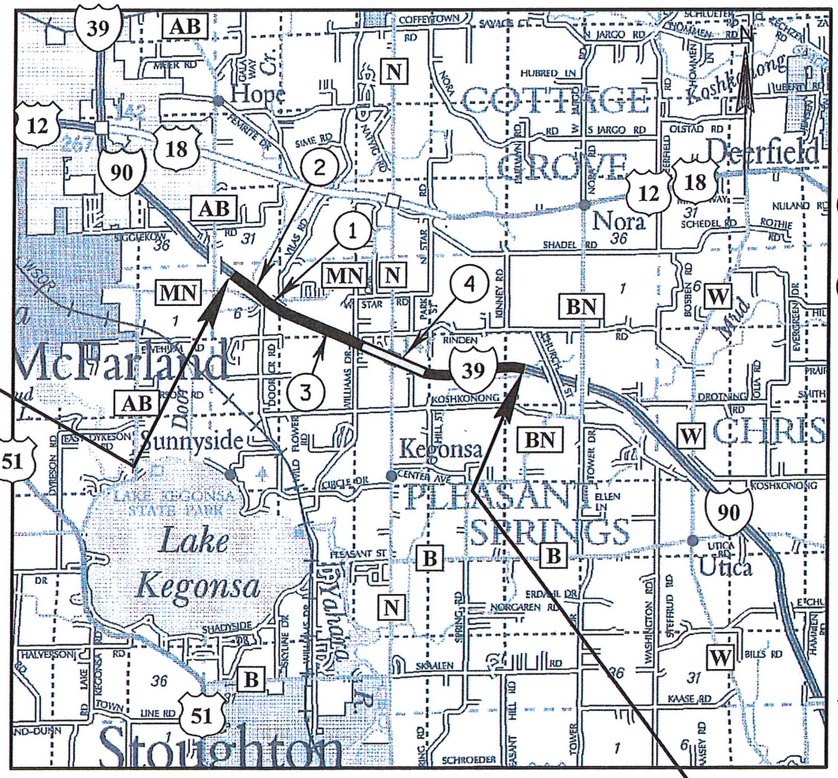
CHURCH STREET TO CTH AB-NB

IH 39

DANE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1007-11-76	WISC 2018031	1

STATE PROJECT NUMBER
1007-11-76



1 STRUCTURE B-13-723

2 STRUCTURE B-13-725

3 BOX CULVERT C-13-3089 STG 2

4 EXCEPTION TO NET CENTERLINE LENGTH 1007-11-76
STA 2266+00 TO STA 2323+00

LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE =3.087 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. VERTICAL DATUM BASED ON USGS (NAVD 88)

ORIGINAL PLANS PREPARED BY

SEH
Building a Better World for All of Us®
Short Elliott Hendrickson Inc.
6808 Odana Road, Suite 200
Madison, WI 53719-1137
608.620.6199 main | 888.908.8166 fax
800.732.4362 toll free | www.sehinc.com

WISCONSIN
DEAN V. STODOLA
36006-006
MCFARLAND
WI
PROFESSIONAL ENGINEER

7-17-17 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	DANE PARTNERS
Designer	DANE PARTNERS
Project Manager	CRAIG PRINGLE
Regional Examiner	JIM BUSCHKOPF
Regional Supervisor	KATRINA FELTES

APPROVED FOR THE DEPARTMENT
DATE: 7.19.17 Katrina Feltes (Signature)

E

ORDER OF SHEETS - SECTION 2

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
GRADING DETAILS
REMOVAL PLANS
PLAN DETAILS
EROSION CONTROL PLAN
SEEDING PLAN
STORM SEWER
ITS PLANS
PERMANENT SIGNING & PAVEMENT MARKING
TRAFFIC CONTROL
DETOUR PLAN
ALIGNMENT DETAILS

DNR AREA LIAISON

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FITCHBURG, WI 53711-5397
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EMAIL: CRAIG.PRINGLE@DOT.WI.GOV

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MARK SPONEM
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CHIPPEWA FALLS, WI 54729-2550
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EMAIL: GWEYANDT@SEHINC.COM

UTILITY CONTACT LIST

TRANSCANADA A/K/A ANR PIPELINE - GAS/PETROLEUM
6827 CONSOLIDATED SCHOOL ROAD
JANESVILLE, WI 53545
DICK MELLOM
OFFICE: (608) 373-6923
CELL: (331) 256-0815
DICK_MELLOM@TRANSCANADA.COM

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MADISON, WI 53718
MIKE BROLIN
(608) 458-4871
MICHAELBROLIN@ALLIANTENERGY.COM

ALLIANT ENERGY (WPL)-GAS/PETROLEUM
SUITE 1000
4902 N BILTMORE LANE
MADISON, WI 53718
MIKE BROLIN
(608) 458-4871
MICHAELBROLIN@ALLIANTENERGY.CO

ATC MANAGEMENT INC. - ELECTRICITY
5303 FEN OAK DRIVE
MADISON, WI 53718
ALEX METZ
OFFICE: (608) 877-7105
AMETZ@ATCLLC.COM

WISCONSIN DEPARTMENT OF TRANSPORTATION - COMMUNICATION LINE
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433 W. ST. PAUL AVE.
MILWAUKEE, WI 53203-3007
JEFF MADSON
(414) 225-3723
JEFFREY.MADSON@DOT.WI.GOV

AT&T WISCONSIN - COMMUNICATION LINE
316 W WASHINGTON AVE
MADISON, WI 53703
CAROL ANASON
(608) 252-2385
CA2624@ATT.COM

CHARTER COMMUNICATIONS - COMMUNICATION LINE
2701 DANIELS ST
MADISON, WI 53718
BRANDON STORM
(608) 274-3822
BRANDON.STORM@CHARTERCOM.COM

FRONTIER COMMUNICATIONS - COMMUNICATION LINE
118 DIVISION ST
PLYMOUTH, WI 53073
RUSSEL RYAN
OFFICE: (920) 583-3275
CELL: (920) 737-9662
RUSSELL.W.RYAN@FTR.COM

WINDSTREAM A/K/A MCLEOD USA - COMMUNICATION LINE
1858 WRIGHT ST
MADISON, WI 53704
KEVIN PARRIS
OFFICE: (608) 819-5016
CELL: (608) 416-3291
KEVIN.J.PARRIS@WINDSTREAM.COM

MADISON SWEF #16
ROOM 651 HFSTB
4802 SHEYBOYGAN AVE
MADISON, WI 53707-7965
ROBERT SPOERL
OFFICE: (608) 266-8665
ROBERT.SPOERL@DOT.WI.GOV

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

NOTE: WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

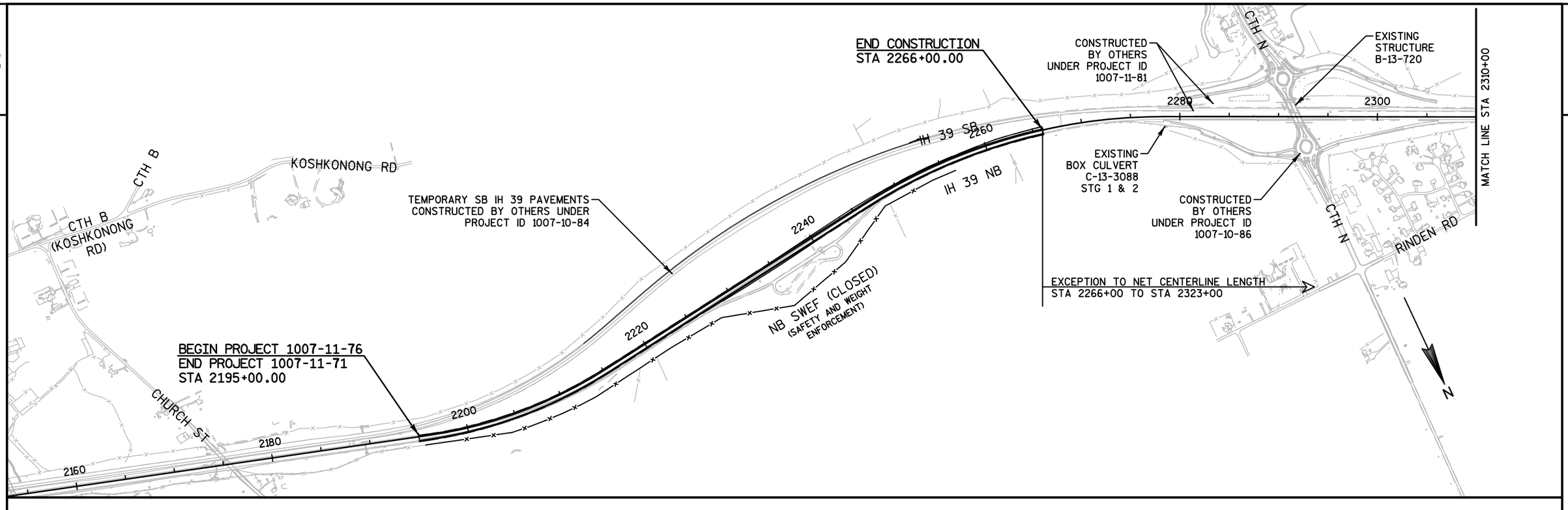
STANDARD ABBREVIATIONS

ABUT	ABUTMENT
AC	ACRE
AGG	AGGREGATE
AECPRC	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
AECPCS	APRON ENDWALL FOR CULVERT PIPE CORRUGATED STEEL
ASPH	ASPHALTIC
AVG	AVERAGE
ADT	AVERAGE DAILY TRAFFIC
BF	BACK FACE
BM	BENCH MARK
BR	BRIDGE
CE	COMMERCIAL ENTRANCE
C/L OR ℄	CENTER LINE
Δ	CENTRAL ANGLE OR DELTA
CONC	CONCRETE
COB	CENTER OF BARRIER
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CR	CREEK
CY	CUBIC YARD
C&G	CURB AND GUTTER
D	DEGREE OF CURVE
DHV	DESIGN HOUR VOLUME
DISCH	DISCHARGE
DG	DITCH GRADE
DWY	DRIVEWAY
X	EAST GRID COORDINATE
EAT	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
EOR	END POINT OF RADIUS
EL	ELEVATION
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EXIST	EXISTING
FC	FACE OF CURB
FF	FACE TO FACE
FERT	FERTILIZE
FE	FIELD ENTRANCE
FL	FLOW LINE
FO	FIBER OPTIC
CWT	HUNDREDWEIGHT
HYD	HYDRANT
ID	INSIDE DIAMETER
INV	INVERT
IP	IRON PIPE ON PIN
LHF	LEFT-HAND FORWARD
L	LENGTH OF CURVE
LF	LINEAR FOOT
LC	LONG CHORD OF CURVE
LS	LUMP SUM
MH	MANHOLE
MOR	MID POINT OF RADIUS
NC	NORMAL CROWN
NO	NUMBER
OBLIT	OBLITERATE
PAVT	PAVEMENT
PE	PRIVATE ENTRANCE
PVRC	POINT OF VERTICAL REVERSE CURVE
QOR	QUARTER POINT OF RADIUS
R	RADIUS
REQ'D	REQUIRED
RES	RESIDENCE OR RESIDENTIAL
RHF	RIGHT-HAND FORWARD
R/W	RIGHT-OF-WAY
R	RIVER
RDWY	ROADWAY
R/L OR ℞	REFERENCE LINE
SALV	SALVAGED
SAN	SANITARY SEWER
SF	SQUARE FEET
SY	SQUARE YARD
SDD	STANDARD DETAIL DRAWINGS
STA	STATION
SS	STORM SEWER
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SE	SUPERELEVATION RATE
TC	TOP OF CURB
T OR TN	TOWN
T	TRUCKS (PERCENT OF)
TYP	TYPICAL
VAR	VARIABLE
VC	VERTICAL CURVE
Y	NORTH GRID COORDINATE
YD	YARD

GENERAL NOTES

1. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.
4. PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS WITH THE ENGINEER.
5. INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
6. WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.
7. BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP.
8. CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH.
9. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
10. REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.
11. THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
12. ASPHALTIC AND CONCRETE SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
13. DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND MULCHED.
14. FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.
15. THE FOLLOWING CONVERSION FACTORS ARE USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE:
    - 3/4-INCH = 2.1 TONS/CY
    - 1 1/4-INCH = 2.0 TON/CY
16. A CONVERSION FACTOR OF 1.9 TON/CY IS USED TO ESTIMATE QUANTITIES FOR SELECT CRUSHED MATERIAL.
17. A CONVERSION FACTOR OF 110 LBS/IN/SY IS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.
18. ALL TYPES OF ASPHALTIC PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

ITEM CODE	TOTAL PAVEMENT DEPTH (INCH)	LAYER DEPTH (INCH)	HMA PAVEMENT ITEM
AP07	4.0	SINGLE: 4.0	4 LT 58-28 S
AP18	7.0	UPPER: 2.00	4 HT 58-28 H
		LOWER: 5.00	2 HT 58-28 S
AP24	6.0	UPPER: 2.25	4 HT 58-28 H
		LOWER: 3.75	2 HT 58-28 S
AP26	4.5	UPPER: 2.00	4 LT 58-28 S
		LOWER: 2.50	3 LT 58-28 S



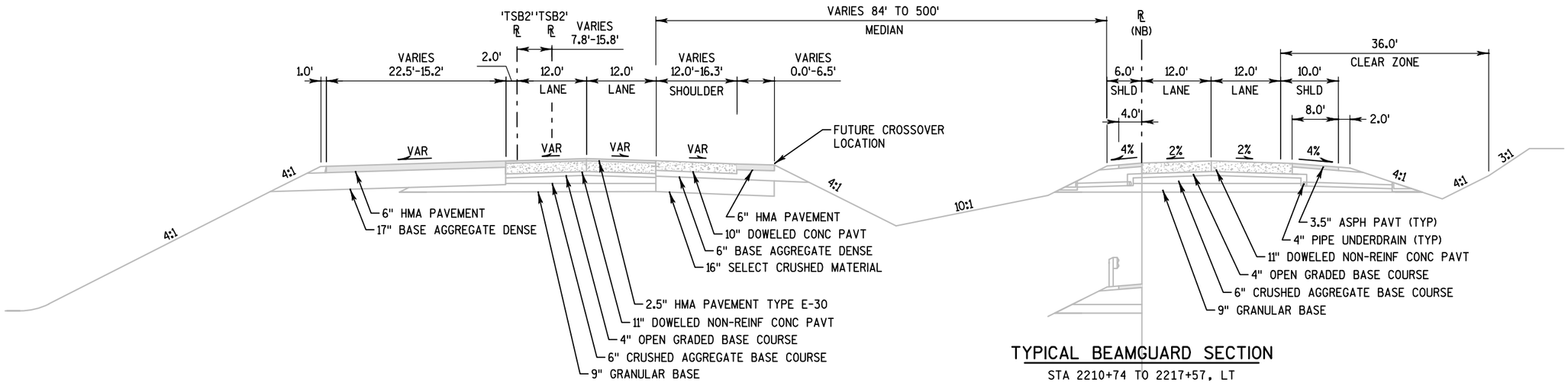
PROJECT NO:1007-11-76	HWY: IH 39	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : 020201_PO (PROJ OVERVIEW).DWG | PLOT DATE : 10/9/2017 5:25 PM | PLOT BY : SEH INC | LAYOUT NAME : 020201_PO | PLOT SCALE : 1 IN = 1000.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007117611\SEC 02 TYPICAL SECTIONS & DETAILS

2

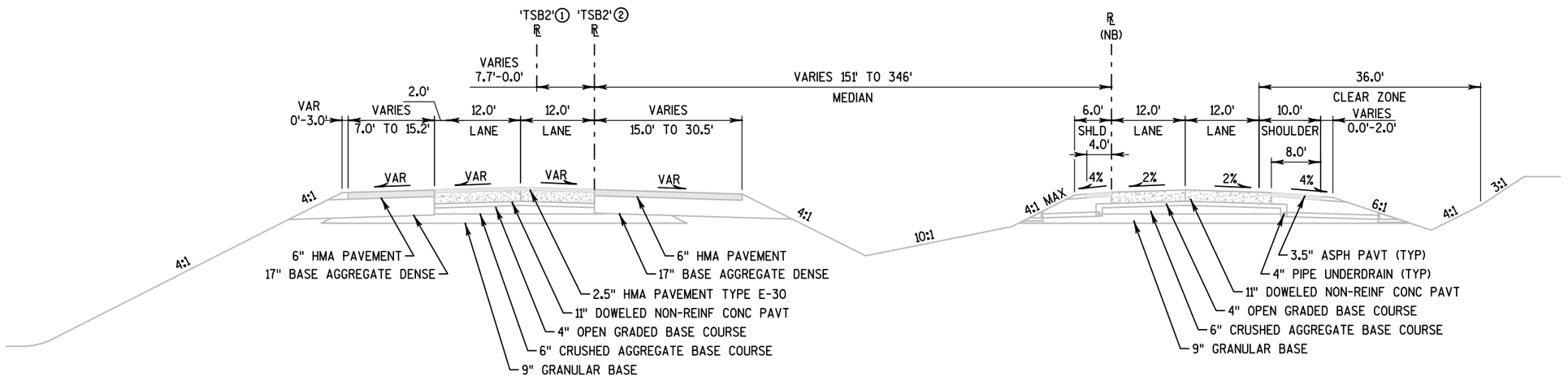


TYPICAL BEAMGUARD SECTION

STA 2210+74 TO 2217+57, LT

TYPICAL EXISTING SECTION

STA 2195+00 TO 2199+84

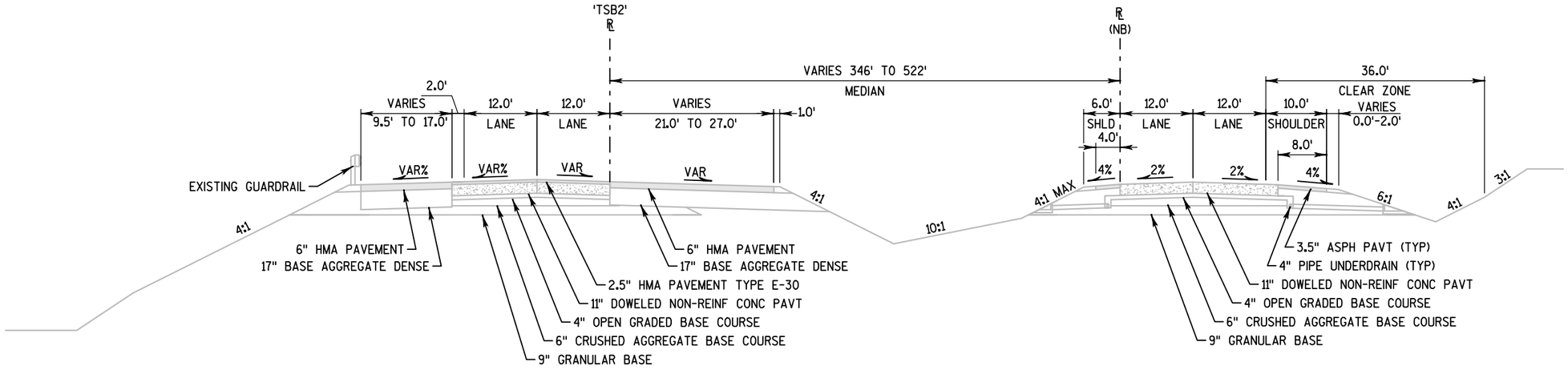


TYPICAL EXISTING SECTION

STA 2199+84 TO 2214+73 ①
STA 2254+02 TO 2257+07 ②

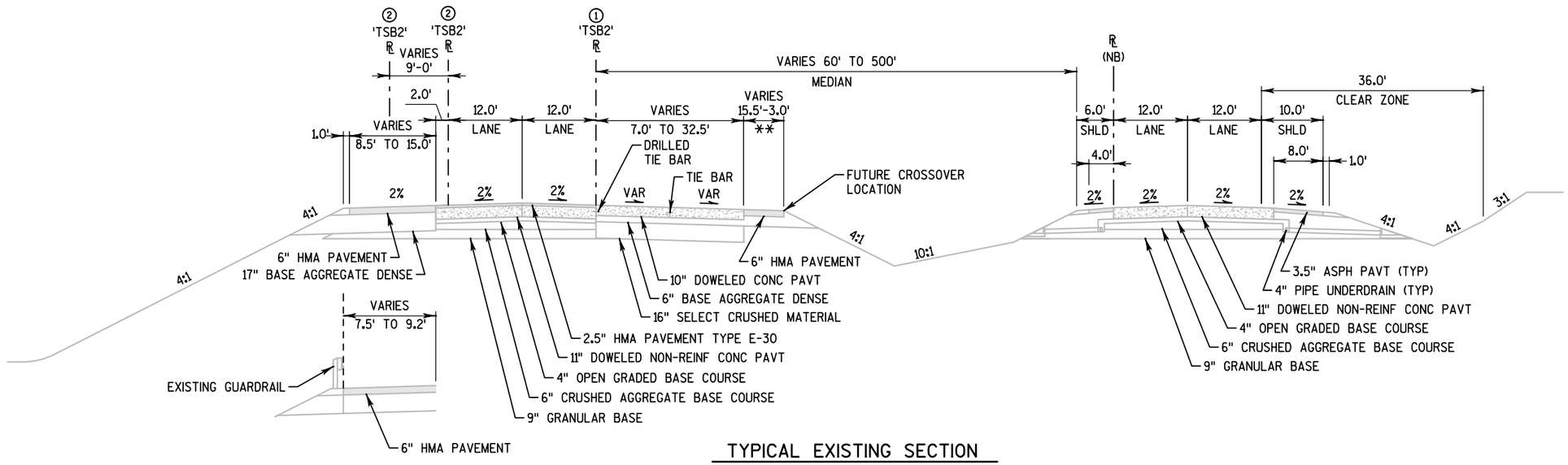
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS - EXISTING	PAGE 01 OF 09	SHEET 4	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007111



TYPICAL EXISTING SECTION

STA 2214+73 TO 2239+14



TYPICAL EXISTING SECTION

STA 2239+14 TO 2253+98, LT

STA 2239+14 TO 2254+02 ①
**STA 2239+13 TO 2244+84 ONLY ①
STA 2323+59 TO 2329+29 ②

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS - EXISTING	PAGE 02 OF 09	SHEET 5	E

FILE NAME : 020300_TS (TYPICAL EXISTING SECTIONS).DWG | PLOT DATE : 10/10/2017 12:55 PM | PLOT BY : SEH | LAYOUT NAME : 02 | PLOT SCALE : 1 IN:20 FT | WISDOT/CADDS SHEET 42

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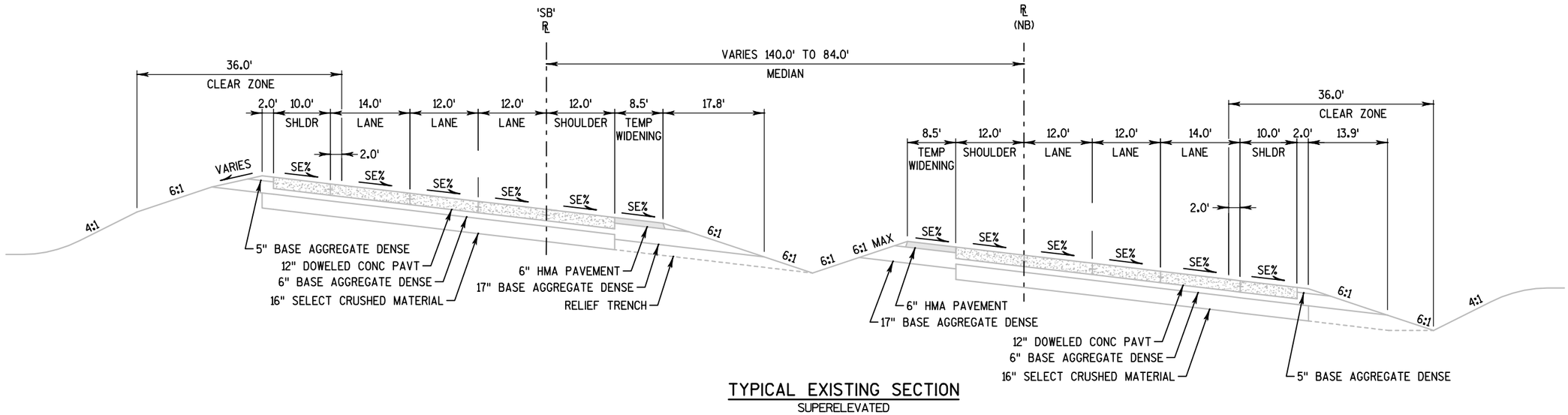
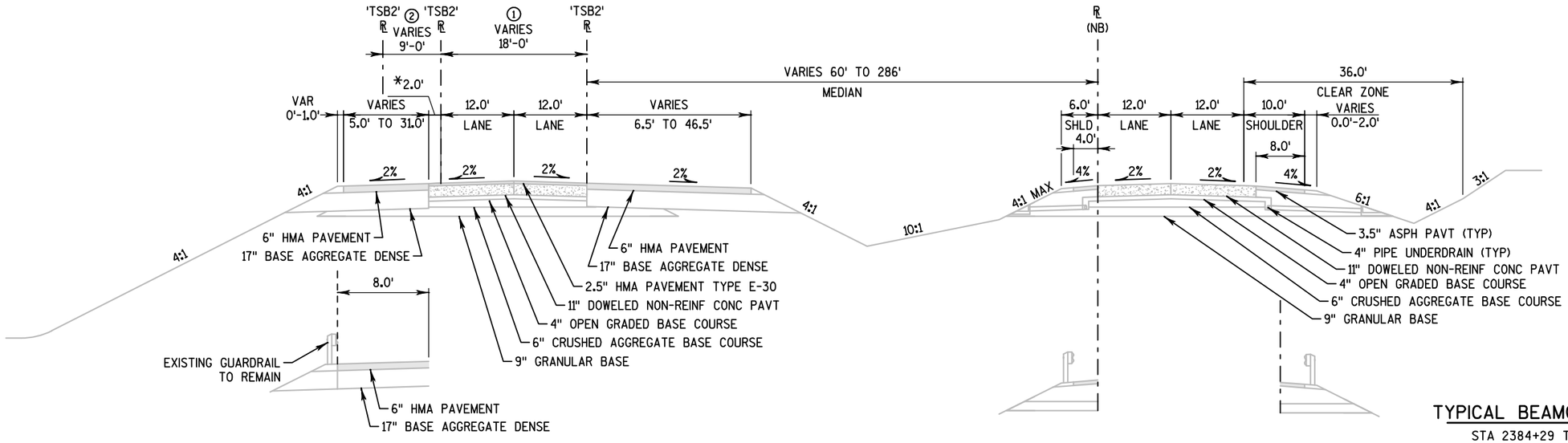


TYPICAL EXISTING SECTION
SUPERELEVATED



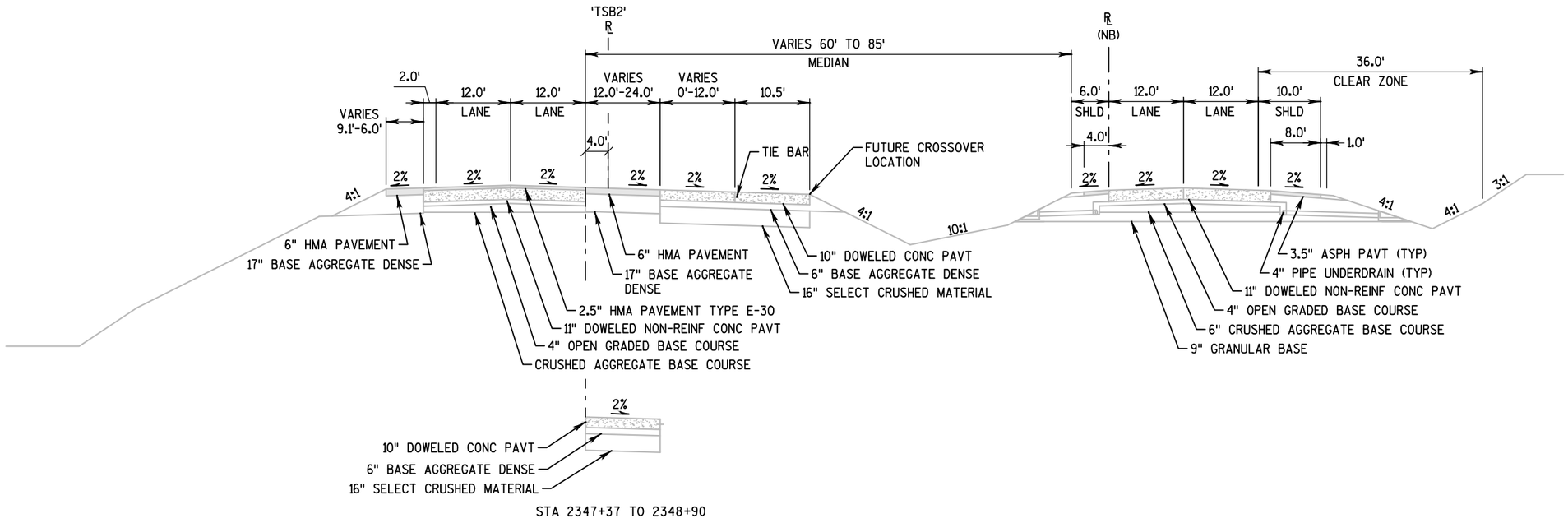
STA 2386+22 TO 2388+08, 'TSB2' LT

TYPICAL EXISTING SECTION

STA 2323+00 TO 2323+58 ②
STA 2329+29 TO 2344+92 ①
STA 2356+94 TO 2387+86, 'TSB2' RT
STA 2373+44 TO 2388+08, 'TSB2' LT

TYPICAL BEAMGUARD SECTION

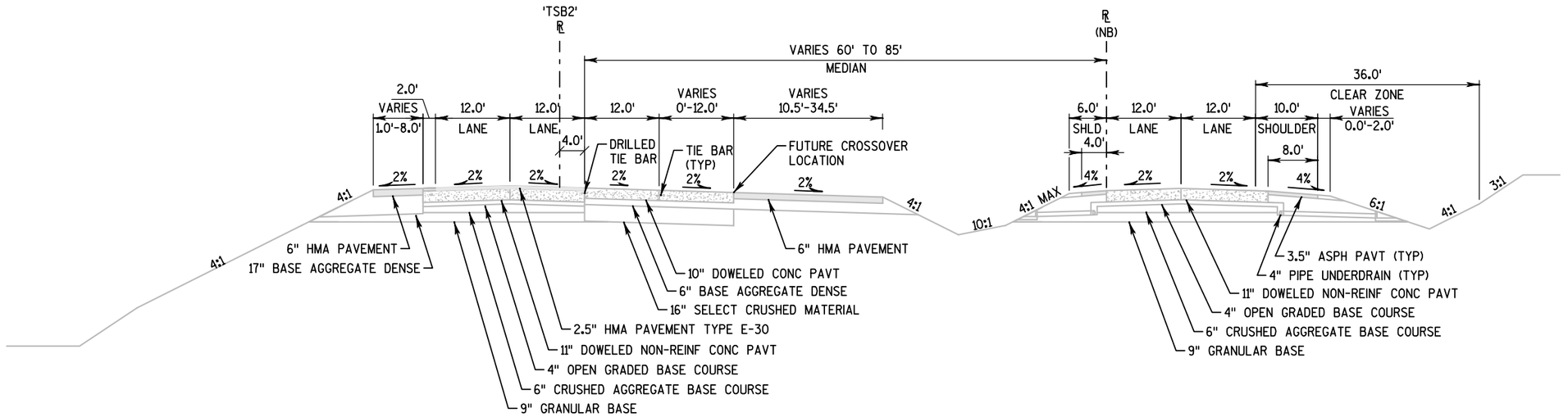
STA 2384+29 TO 2387+64, LT
STA 2385+40 TO 2387+64, RT



STA 2347+37 TO 2348+90

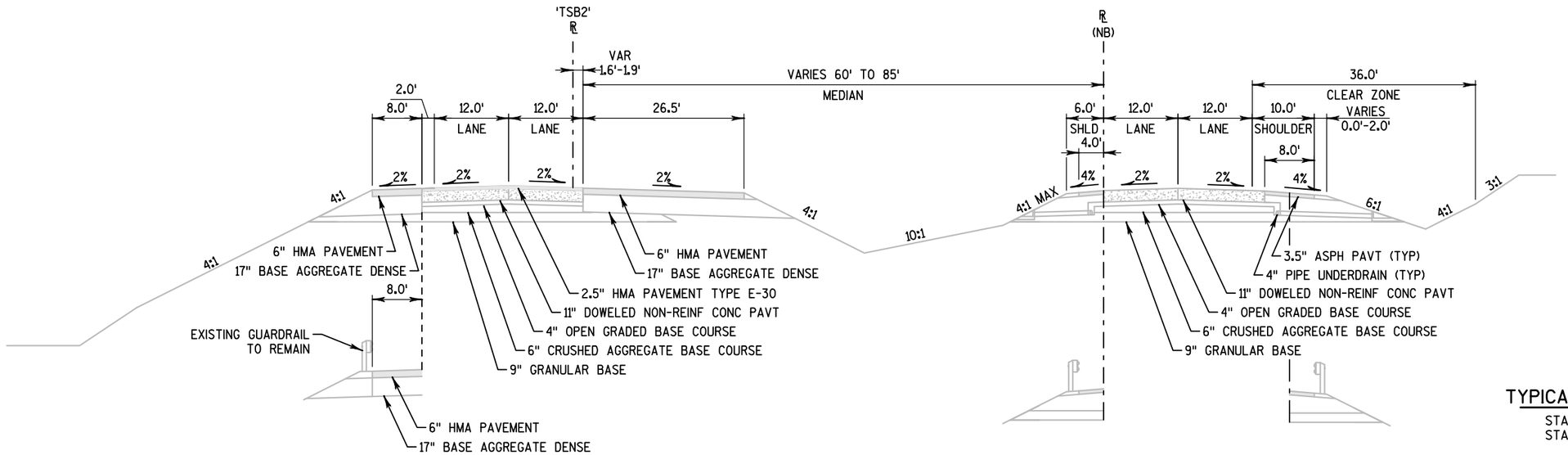
TYPICAL EXISTING SECTION

STA 2344+92 TO 2348+90, 'TSB2' RT



TYPICAL EXISTING SECTION

STA 2348+90 TO 2356+94, 'TSB2' RT
STA 2369+56 TO 2372+14, 'TSB2' LT



STA 2390+50 TO 2396+25, 'TSB2' LT
STA 2397+17 TO 2399+79, 'TSB2' LT

TYPICAL EXISTING SECTION

STA 2351+86 TO 2369+56, LT
STA 2390+50 TO 2400+34

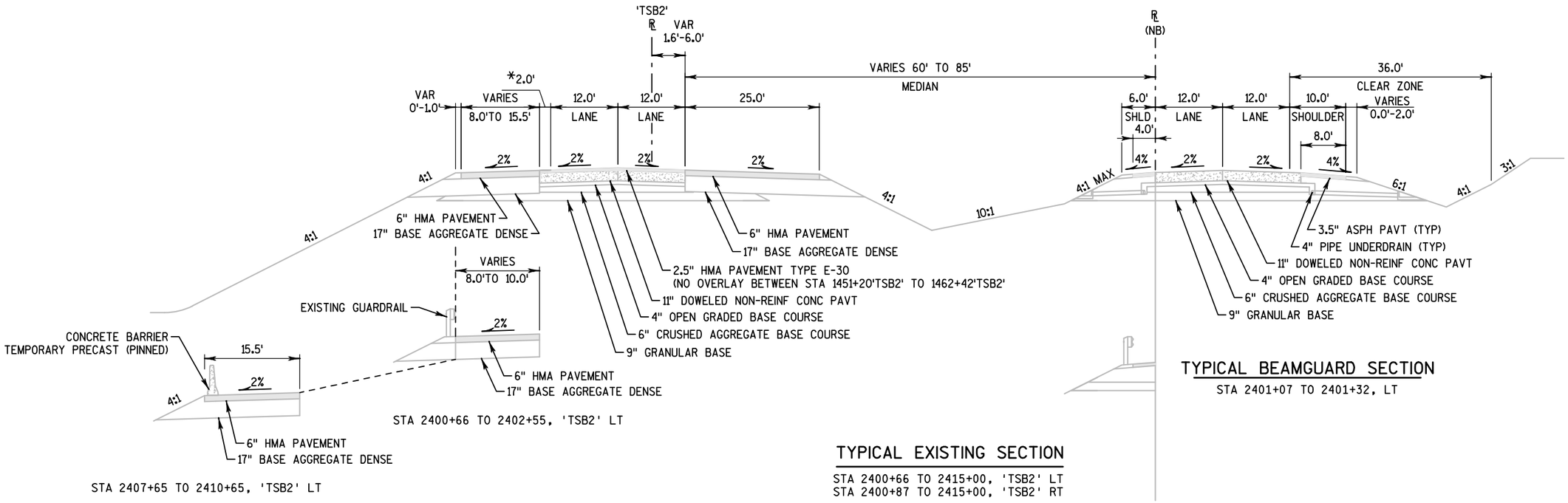
TYPICAL BEAMGUARD SECTION

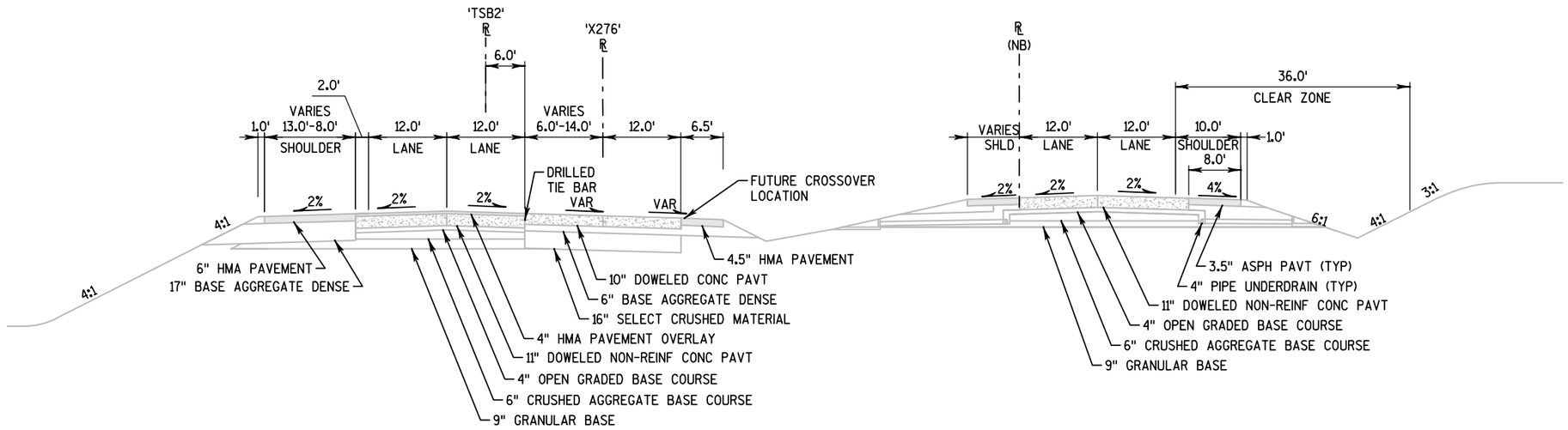
STA 2398+53 TO 2400+34, RT
STA 2399+74 TO 2399+99, LT

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS - EXISTING	PAGE 05 OF 09	SHEET 8	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 020300_TS (TYPICAL EXISTING SECTIONS).DWG
PLOT DATE : 10/9/2017 5:25 PM
PLOT BY : SEH
LAYOUT NAME : 05
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42





TYPICAL EXISTING SECTION - IH 39

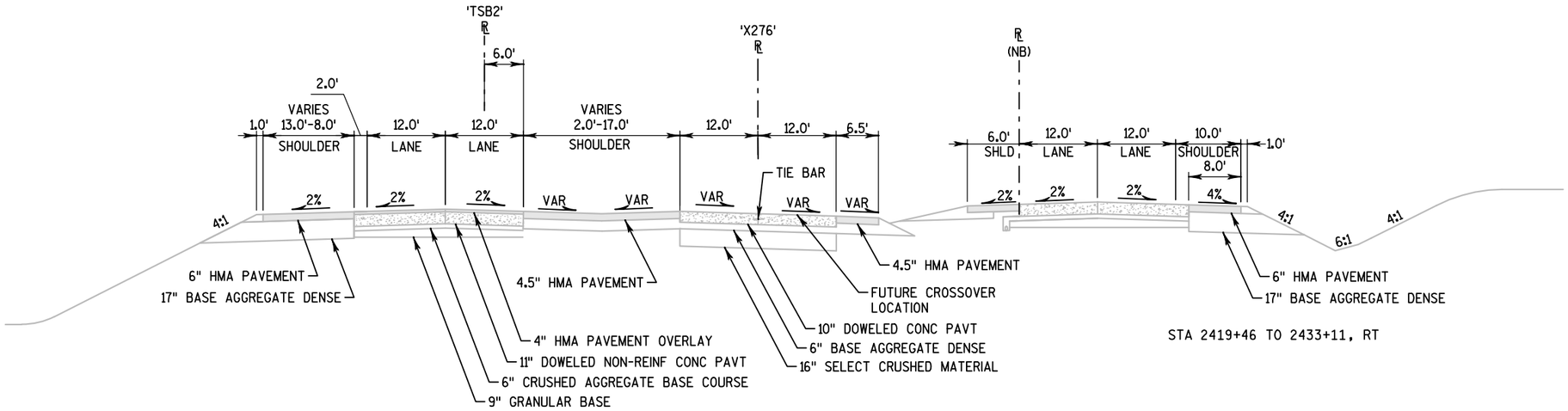
STA 2415+00 TO 2418+89

PROJECT NO:1007-11-76	HWY:IH 39	COUNTY:DANE	TYPICAL SECTIONS - EXISTING	PAGE 06 OF 09	SHEET	E

SAVE FOLDER PATH: \\SEHMADISONPROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007111176\SEC 02 TYPICAL SECTIONS & DETAILS

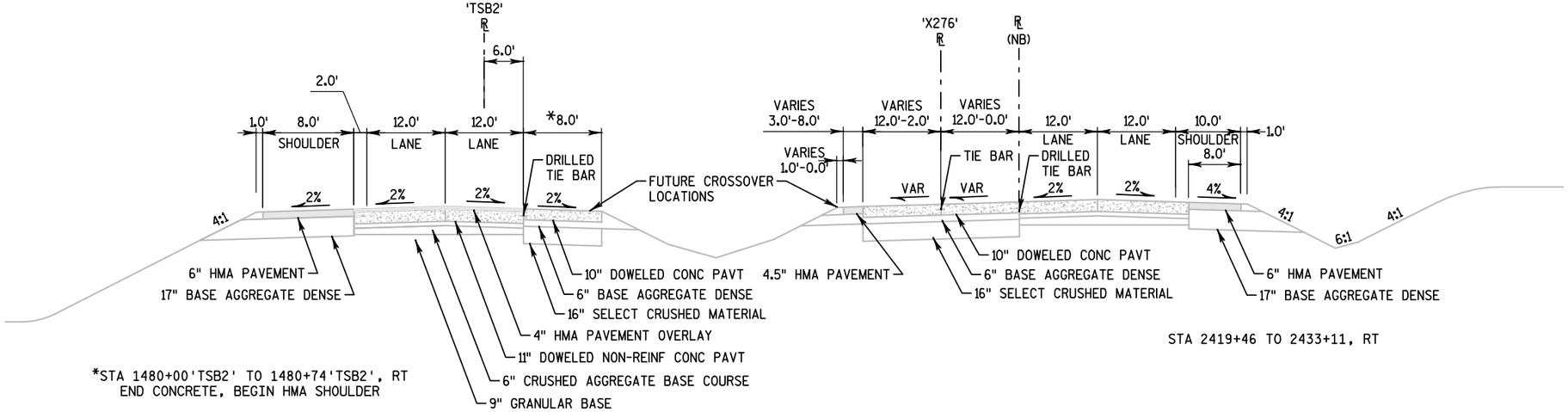
FILE NAME : 020300_TS (TYPICAL EXISTING SECTIONS).DWG
PLOT DATE : 10/9/2017 5:25 PM
PLOT BY : SEH
LAYOUT NAME : 06
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2



TYPICAL EXISTING SECTION - IH 39

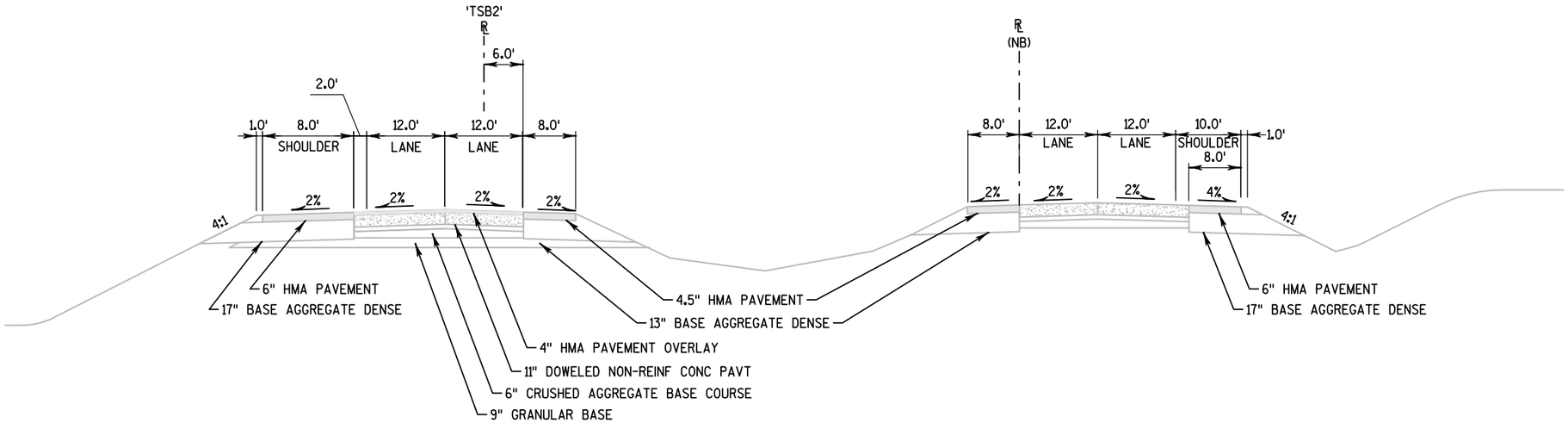
STA 2418+89 TO 2422+50



TYPICAL EXISTING SECTION - IH 39

STA 2422+50 TO 2428+81

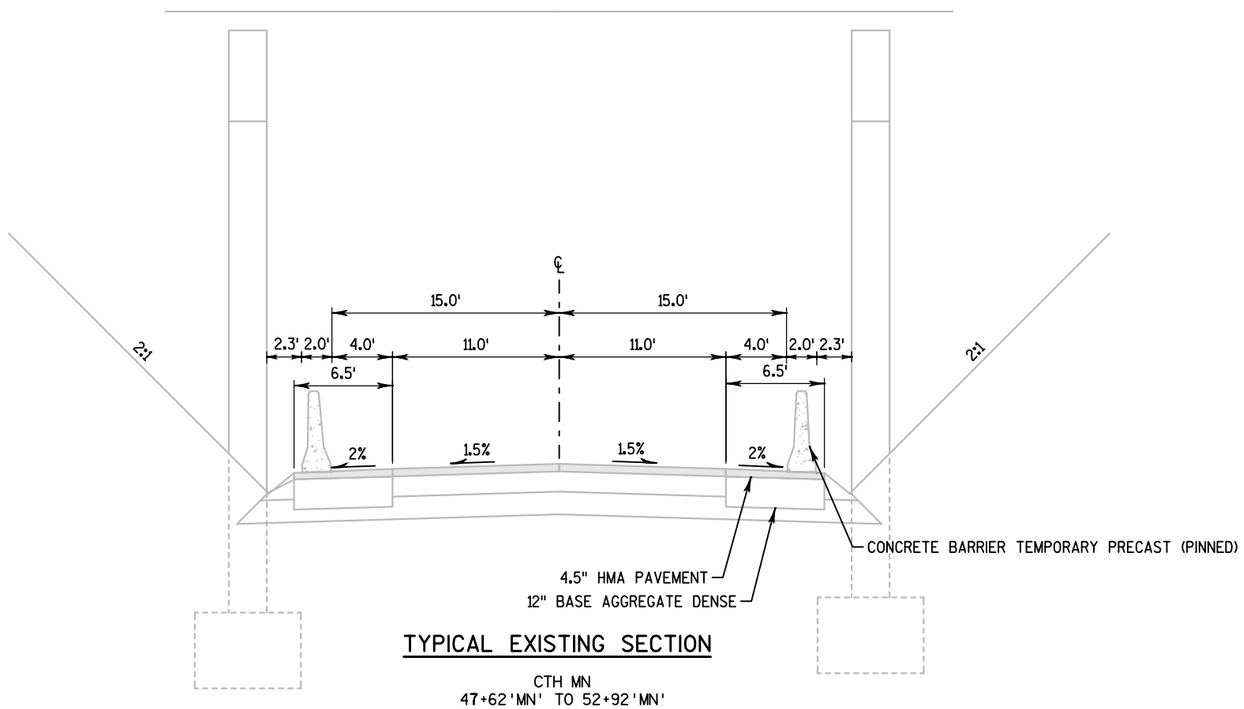
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\11919\CIVIL 3D\1007101\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS



TYPICAL EXISTING SECTION - IH 39

STA 2428+81 TO 2430+02, 'TSB2' RT
STA 2428+81 TO 2432+38, 'TSB2' LT

STA 1030+29'XNB' TO 1032+22'XNB',LT
STA 1030+29'XNB' TO 1034+59'XNB',RT

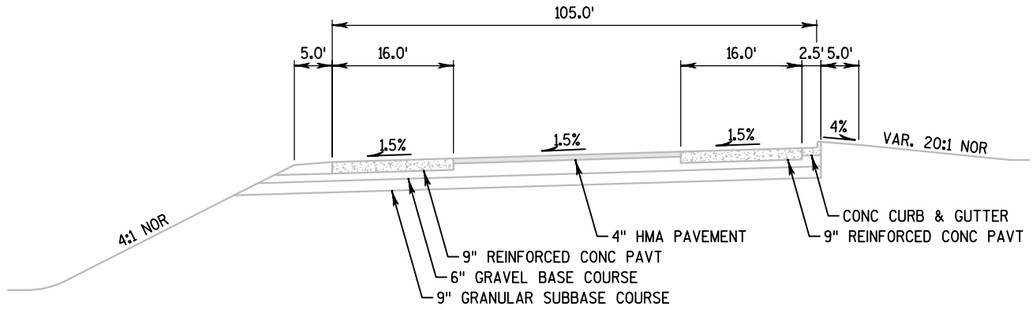


TYPICAL EXISTING SECTION

CTH MN
47+62'MN' TO 52+92'MN'

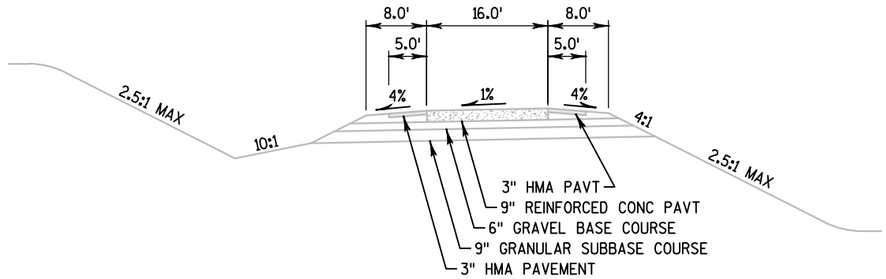
PROJECT NO:1007-11-76	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS - EXISTING	PAGE 08 OF 09	SHEET 11	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS



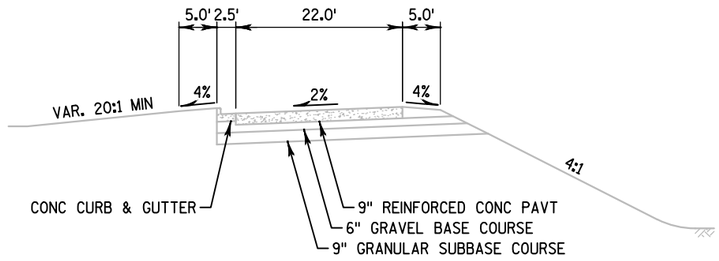
TYPICAL EXISTING SECTION

SWEF PARKING AREA



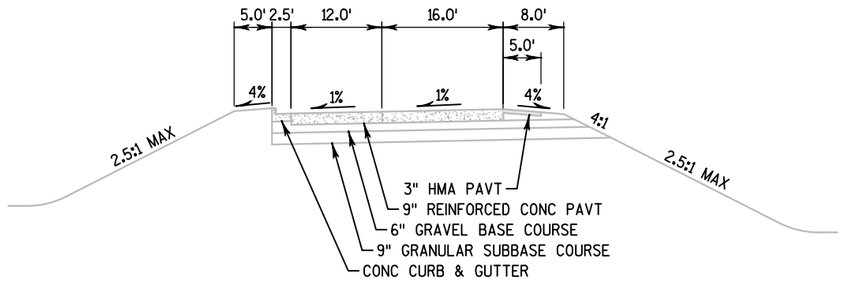
TYPICAL EXISTING SECTION

SWEF RAMP



TYPICAL EXISTING SECTION

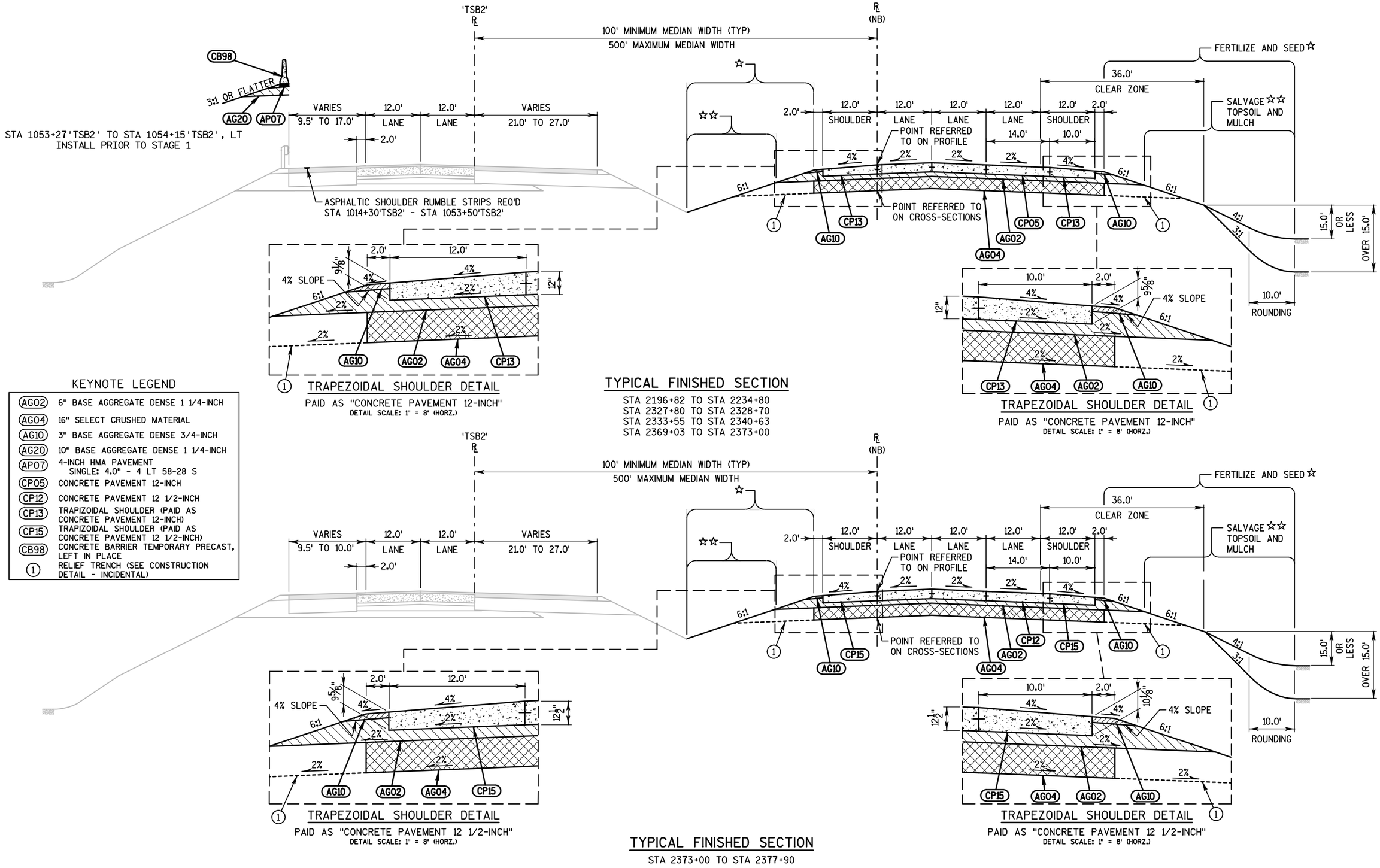
SWEF RAMP TO PARKING AREA



TYPICAL EXISTING SECTION

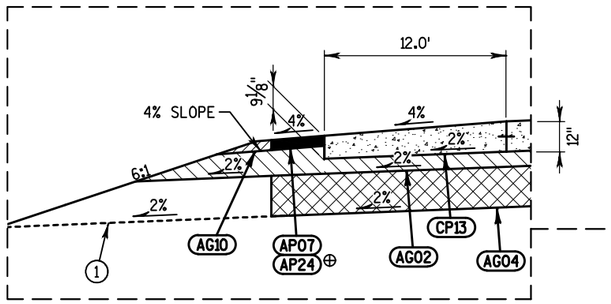
SWEF RAMP

2



KEYNOTE LEGEND

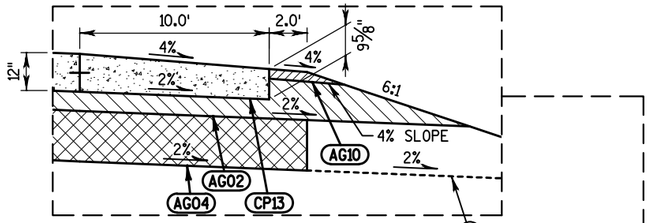
AG02	6" BASE AGGREGATE DENSE 1 1/4-INCH
AG04	16" SELECT CRUSHED MATERIAL
AG10	3" BASE AGGREGATE DENSE 3/4-INCH
AG20	10" BASE AGGREGATE DENSE 1 1/4-INCH
AP07	4-INCH HMA PAVEMENT SINGLE: 4.0" - 4 LT 58-28 S
CP05	CONCRETE PAVEMENT 12-INCH
CP12	CONCRETE PAVEMENT 12 1/2-INCH
CP13	TRAPIZOIDAL SHOULDER (PAID AS CONCRETE PAVEMENT 12-INCH)
CP15	TRAPIZOIDAL SHOULDER (PAID AS CONCRETE PAVEMENT 12 1/2-INCH)
CB98	CONCRETE BARRIER TEMPORARY PRECAST, LEFT IN PLACE
1	RELIEF TRENCH (SEE CONSTRUCTION DETAIL - INCIDENTAL)



TRAPEZOIDAL SHOULDER DETAIL

PAID AS "CONCRETE PAVEMENT 12-INCH"

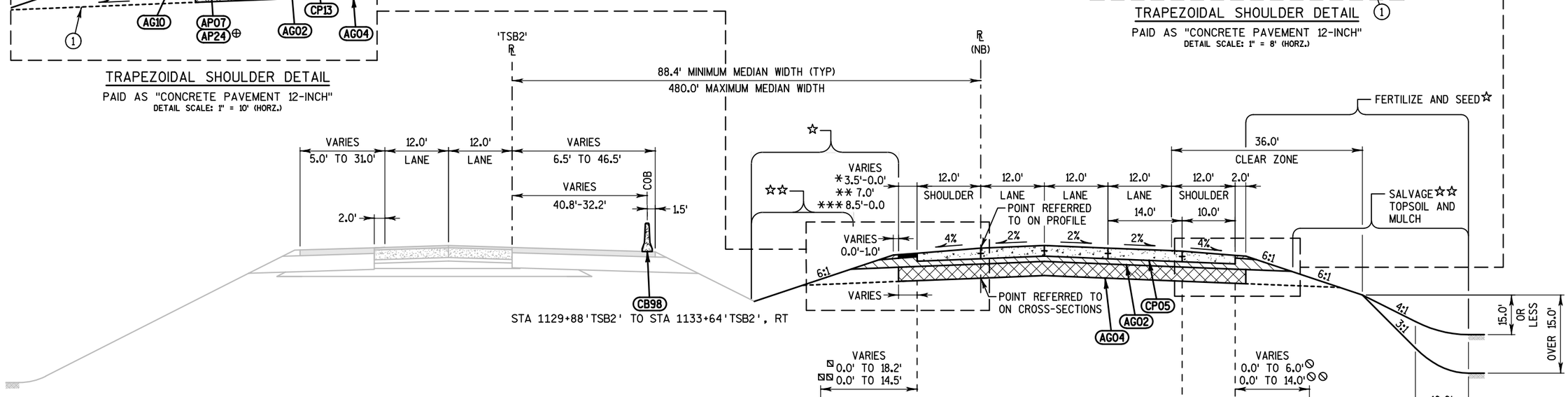
DETAIL SCALE: 1" = 10' (HORZ.)

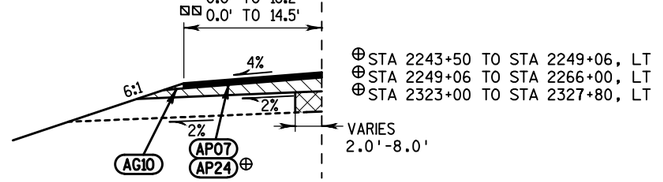


TRAPEZOIDAL SHOULDER DETAIL

PAID AS "CONCRETE PAVEMENT 12-INCH"

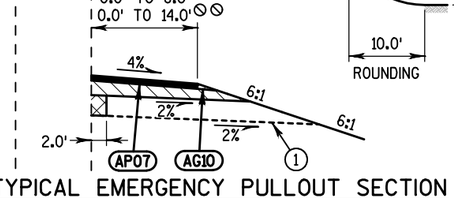
DETAIL SCALE: 1" = 8' (HORZ.)





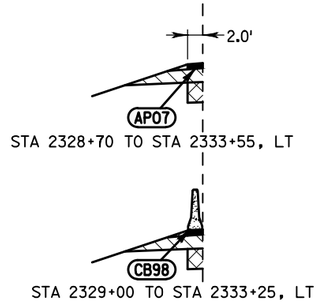
TYPICAL EMERGENCY PULLOUT SECTION

▨STA 2234+80 TO STA 2249+06, LT
▨▨STA 2355+47 TO STA 2369+03, LT



TYPICAL EMERGENCY PULLOUT SECTION

⊘STA 2249+13 TO STA 2258+13, RT
⊘⊘STA 2340+63 TO STA 2355+63, RT

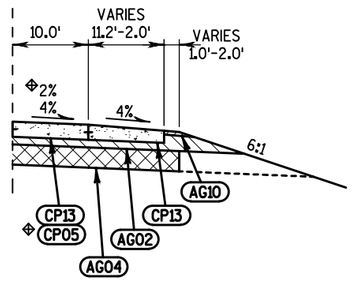


STA 2328+70 TO STA 2333+55, LT

STA 2329+00 TO STA 2333+25, LT

TYPICAL FINISHED SECTION

*STA 2195+00 TO STA 2196+82
**STA 2249+06 TO STA 2266+00
***STA 2323+00 TO STA 2327+80, LT
STA 2340+63 TO STA 2369+03



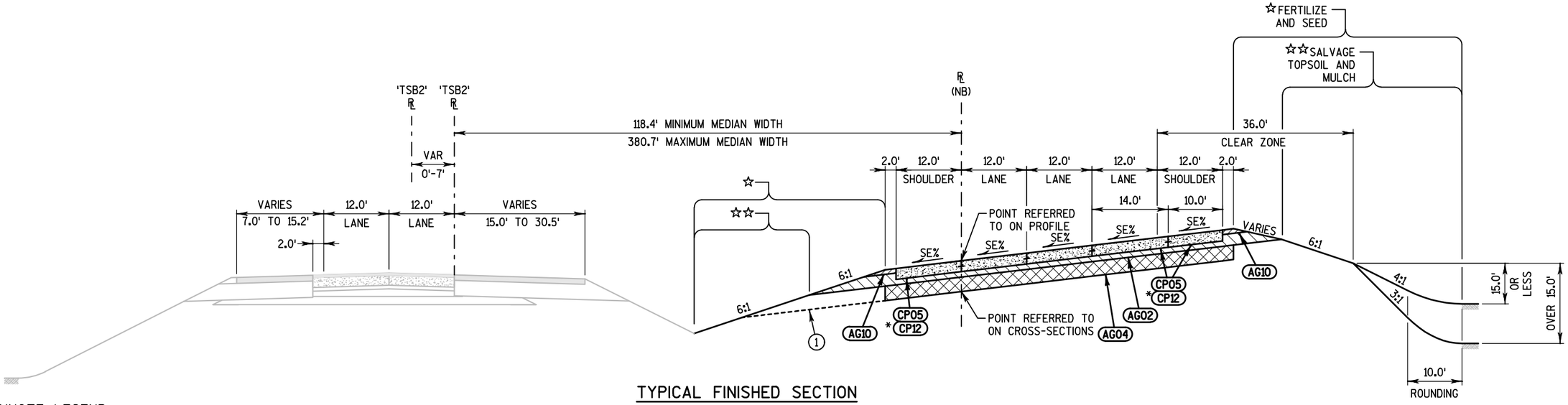
RAMP TAPER SECTION

STA 2323+00 TO STA 2325+31, RT
⊕STA 2323+00 TO STA 2323+50, RT

KEYNOTE LEGEND

AG02	6" BASE AGGREGATE DENSE 1 1/4-INCH
AG04	16" SELECT CRUSHED MATERIAL
AG10	3" BASE AGGREGATE DENSE 3/4-INCH
AP07	4-INCH HMA PAVEMENT SINGLE: 4.0" - 4 LT 58-28 S
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPIZOIDAL SHOULDER (PAID AS CONCRETE PAVEMENT 12-INCH)
CB98	CONCRETE BARRIER TEMPORARY PRECAST, LEFT IN PLACE
1	RELIEF TRENCH (SEE CONSTRUCTION DETAIL - INCIDENTAL)

2

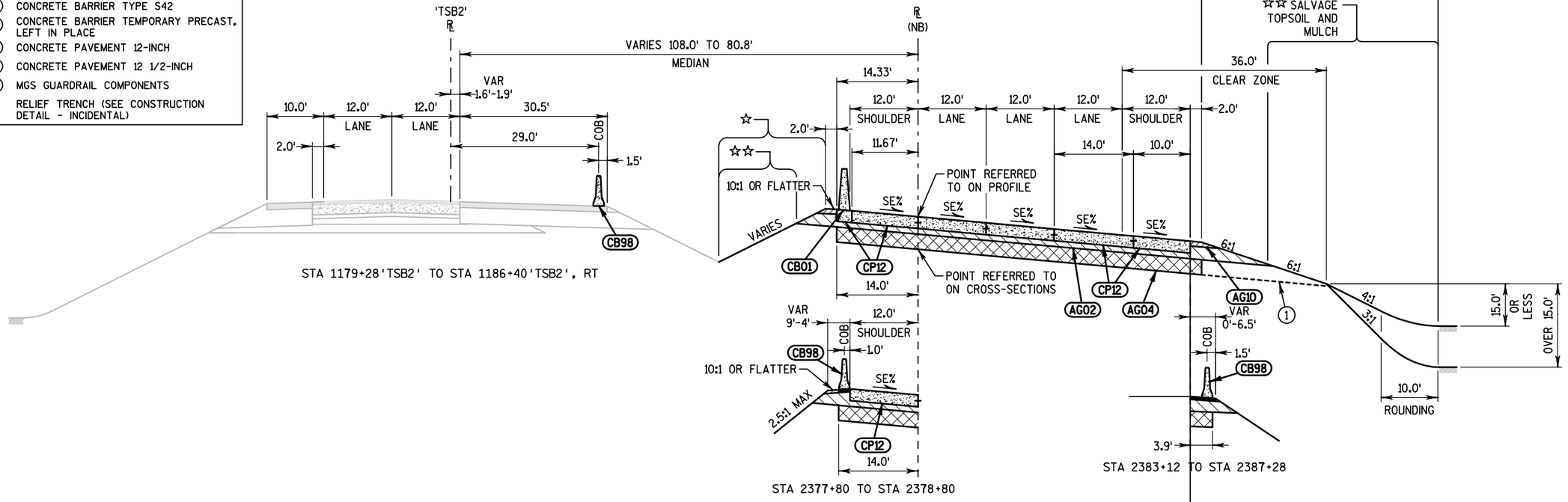


TYPICAL FINISHED SECTION

STA 2196+61 TO STA 2214+53
STA 2247+17 TO STA 2266+00
*STA 2375+76 TO STA 2377+90

KEYNOTE LEGEND

AG02	6" BASE AGGREGATE DENSE 1 1/4-INCH
AG04	16" SELECT CRUSHED MATERIAL
AG10	3" BASE AGGREGATE DENSE 3/4-INCH
CB01	CONCRETE BARRIER TYPE S42
CB98	CONCRETE BARRIER TEMPORARY PRECAST, LEFT IN PLACE
CP05	CONCRETE PAVEMENT 12-INCH
CP12	CONCRETE PAVEMENT 12 1/2-INCH
MGS	MGS GUARDRAIL COMPONENTS
1	RELIEF TRENCH (SEE CONSTRUCTION DETAIL - INCIDENTAL)



STA 1179+28'TSB2' TO STA 1186+40'TSB2', RT

STA 2377+80 TO STA 2378+80

STA 2383+12 TO STA 2387+28

TYPICAL FINISHED SECTION

STA 2377+90 TO STA 2385+25

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007116\SEC 02 TYPICAL SECTIONS & DETAILS

IH 39 NB PROPOSED RL					
SUPERELEVATION TRANSITION EVENT POINTS		RATE			
		LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
LOCATION	STATION	LEFT SHOULDER	LEFT LANE	RIGHT LANES	RIGHT SHOULDER
CURVE 11 TO THE LEFT					
END NORMAL SHOULDER	2193+01.33'	-4.00%	-2.00%	-2.00%	-4.00%
END NORMAL CROWN	2193+01.33'	-4.00%	-2.00%	-2.00%	-4.00%
LEVEL CROWN	2194+21.33'	-4.00%	-2.00%	0.00%	0.00%
REVERSE CROWN	2195+41.33'	-4.00%	-2.00%	2.00%	2.00%
BEGIN FULL SUPER	2196+61.33'	-4.00%	-4.00%	4.00%	4.00%
END FULL SUPER	2214+53.37'	-4.00%	-4.00%	4.00%	4.00%
REVERSE CROWN	2215+73.37'	-4.00%	-2.00%	2.00%	2.00%
LEVEL CROWN	2216+93.37'	-4.00%	-2.00%	0.00%	0.00%
BEGIN NORMAL CROWN	2218+13.37'	-4.00%	-2.00%	-2.00%	-4.00%
BEGIN NORMAL SHOULDER	2218+13.37'	-4.00%	-2.00%	-2.00%	-4.00%
CURVE 12 TO THE RIGHT					
END NORMAL SHOULDER	2243+93.08'	-4.00%	-2.00%	-2.00%	-4.00%
END NORMAL CROWN	2243+93.08'	-4.00%	-2.00%	-2.00%	-4.00%
LEVEL CROWN	2245+13.08'	0.00%	0.00%	-2.00%	-4.00%
REVERSE CROWN	2246+33.08'	2.00%	2.00%	-2.00%	-4.00%
BEGIN FULL SUPER	2247+17.08'	3.40%	3.40%	-3.40%	-4.00%
END FULL SUPER	2277+69.87'	3.40%	3.40%	-3.40%	-4.00%
REVERSE CROWN	2278+53.87'	2.00%	2.00%	-2.00%	-4.00%
LEVEL CROWN	2279+73.87'	0.00%	0.00%	-2.00%	-4.00%
BEGIN NORMAL CROWN	2280+93.87'	-4.00%	-2.00%	-2.00%	-4.00%
BEGIN NORMAL SHOULDER	2280+93.87'	-4.00%	-2.00%	-2.00%	-4.00%

	C11	C12	C13	C14
PI STA =	2205+72.27	2262+88.00	2342+05.18	2381+12.54
Y =	455,795.5698	455,039.2255	458,430.5760	459,924.6426
X =	878,689.7161	872,994.1468	865,741.6712	862,131.0349
Δ =	24°18'50"	32°37'33"	2°34'55"	15°44'23"
D =	1°14'44"	1°01'23"	0°13'45"	1°14'44"
T =	990.93'	1638.92'	563.36'	635.83'
L =	1,952.04'	3,188.79'	1,126.53'	1,263.66'
R =	4,600.00'	5,600.00'	25,000.00'	4,600.00'
PC STA =	2195+81.33	2246+49.08	2336+41.82	2374+76.71
PT STA =	2215+33.37	2278+37.87	2347+68.35	2387+40.36

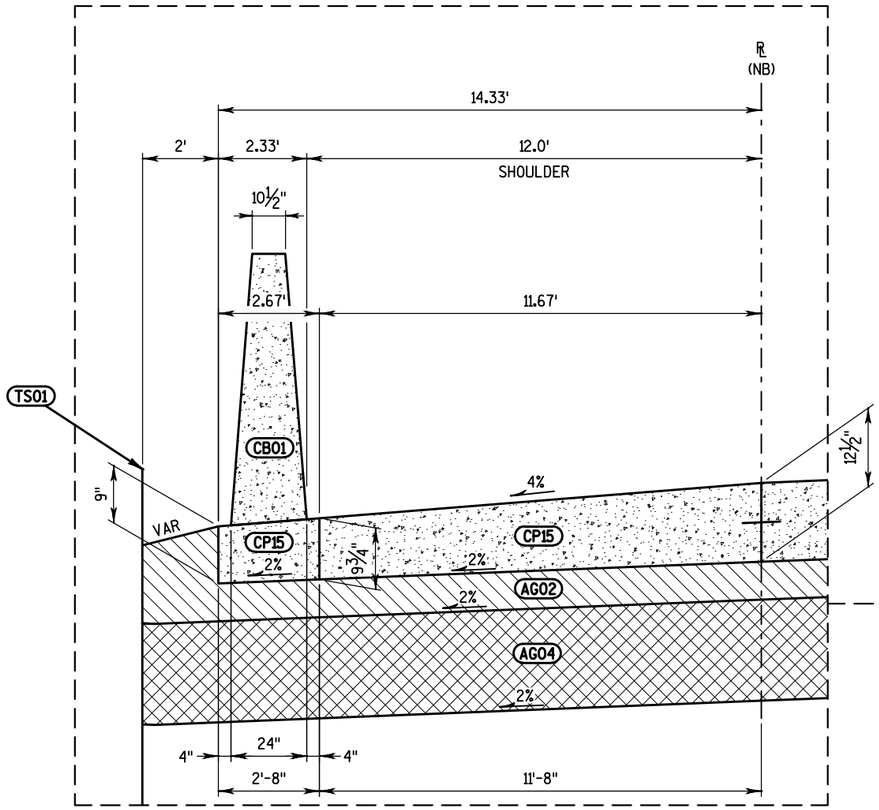
IH 39 NB PROPOSED RL					
SUPERELEVATION TRANSITION EVENT POINTS		RATE			
		LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
LOCATION	STATION	LEFT SHOULDER	LEFT LANE	RIGHT LANES	RIGHT SHOULDER
CURVE 13 TO THE LEFT (NORMAL CROWN)					
CURVE 14 TO THE RIGHT					
END NORMAL SHOULDER	2371+26.71'	-4.00%	-2.00%	-2.00%	-4.00%
END NORMAL CROWN	2371+26.71'	-4.00%	-2.00%	-2.00%	-4.00%
LEVEL CROWN	2372+76.71'	0.00%	0.00%	-2.00%	-4.00%
REVERSE CROWN	2374+26.71'	2.00%	2.00%	-2.00%	-4.00%
BEGIN FULL SUPER	2375+76.71'	4.00%	4.00%	-4.00%	-4.00%
END FULL SUPER	2386+40.36'	4.00%	4.00%	-4.00%	-4.00%
BRIDGE SE LOCK	2386+77.96'	3.50%	3.50%	-3.50%	-3.50%
BRIDGE SE LOCK	2389+70.00'	3.50%	3.50%	-3.50%	-3.50%
REVERSE CROWN	2390+82.50'	2.00%	2.00%	-2.00%	-4.00%
LEVEL CROWN	2392+32.50'	0.00%	0.00%	-2.00%	-4.00%
BEGIN NORMAL CROWN	2393+82.50'	-4.00%	-2.00%	-2.00%	-4.00%
BEGIN NORMAL SHOULDER	2393+82.50'	-4.00%	-2.00%	-2.00%	-4.00%

IH 39 NB PROPOSED RL					
SUPERELEVATION TRANSITION EVENT POINTS		RATE			
		LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
LOCATION	STATION	LEFT SHOULDER	LEFT LANE	RIGHT LANES	RIGHT SHOULDER
BRIDGE SHLDR TRANS - DC	2398+45.00'	-4.00%	-2.00%	-2.00%	-4.00%
BRIDGE SHLDR TRANS - DC	2399+95.00'	-2.00%	-2.00%	-2.00%	-2.00%
BRIDGE SHLDR TRANS - DC	2401+65.00'	-2.00%	-2.00%	-2.00%	-2.00%
BRIDGE SHLDR TRANS - DC	2403+15.00'	-4.00%	-2.00%	-2.00%	-4.00%

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

2

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS



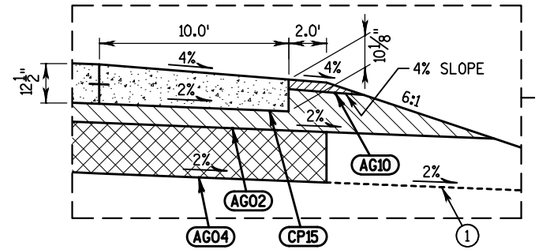
CONCRETE BARRIER DETAIL

SEE SDD "CONCRETE BARRIER SINGLE SLOPE (CBSS)" FOR DETAILS NOT SHOWN

DETAIL SCALE: 1" = 4' (HORZ.)

KEYNOTE LEGEND

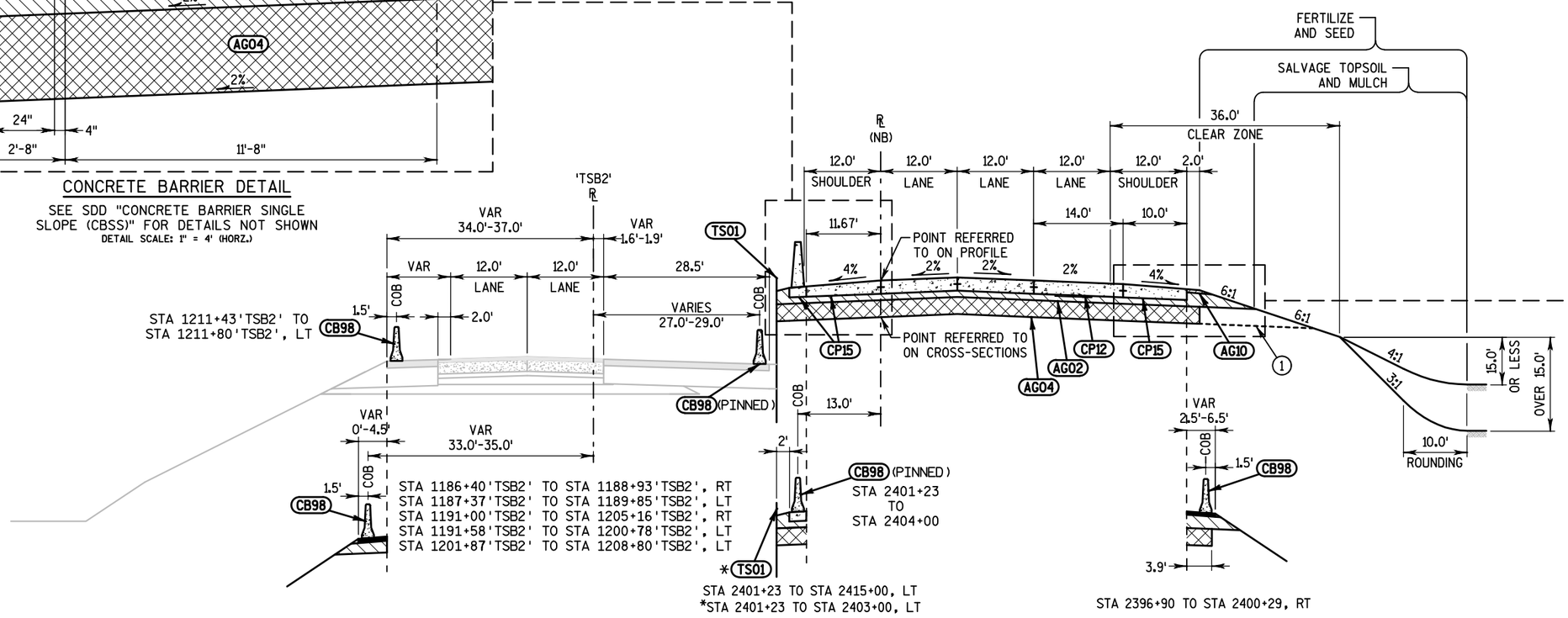
AG02	6" BASE AGGREGATE DENSE 1 1/4-INCH
AG04	16" SELECT CRUSHED MATERIAL
AG10	3" BASE AGGREGATE DENSE 3/4-INCH
CB01	CONCRETE BARRIER TYPE S42
CB98	CONCRETE BARRIER TEMPORARY PRECAST, LEFT IN PLACE
CP12	CONCRETE PAVEMENT 12 1/2-INCH
CP15	TRAPIZOIDAL SHOULDER (PAID AS CONCRETE PAVEMENT 12 1/2-INCH)
MGS	MGS GUARDRAIL COMPONENTS
TS01	TEMPORARY SHORING, LEFT IN PLACE
1	RELIEF TRENCH (SEE CONSTRUCTION DETAIL - INCIDENTAL)



TRAPEZOIDAL SHOULDER DETAIL

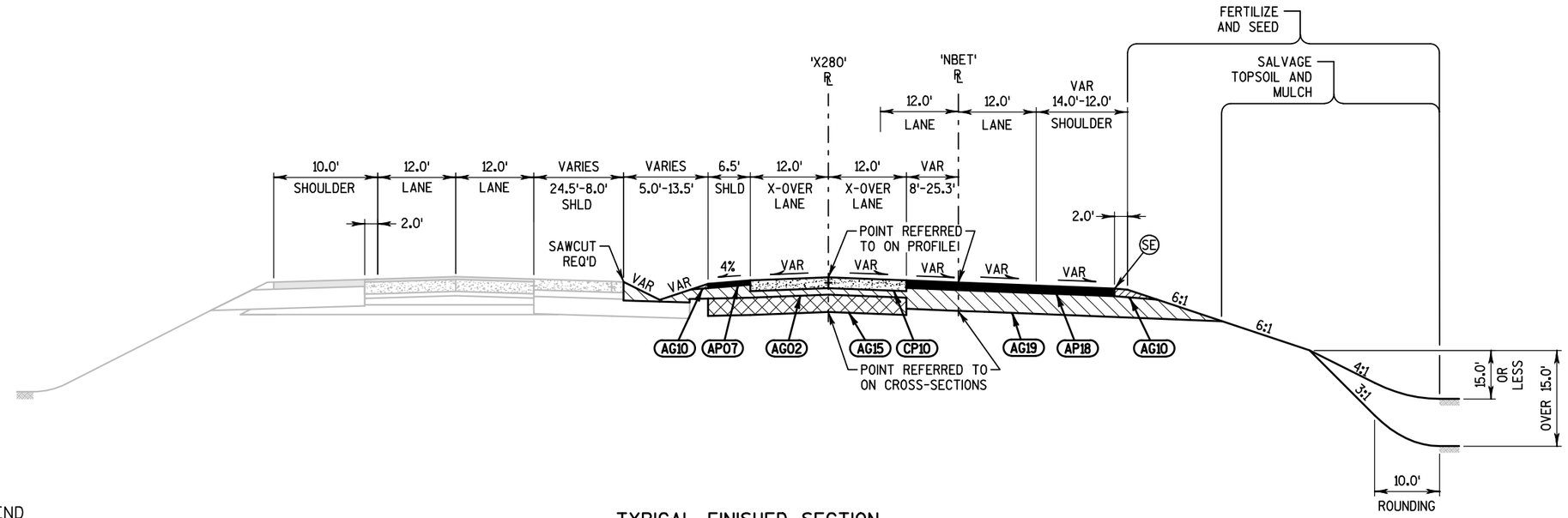
PAID AS "CONCRETE PAVEMENT 12 1/2-INCH"

DETAIL SCALE: 1" = 8' (HORZ.)



TYPICAL FINISHED SECTION

STA 2385+25 TO STA 2387+30
STA 2389+56 TO STA 2399+92
STA 2401+67 TO STA 2415+00

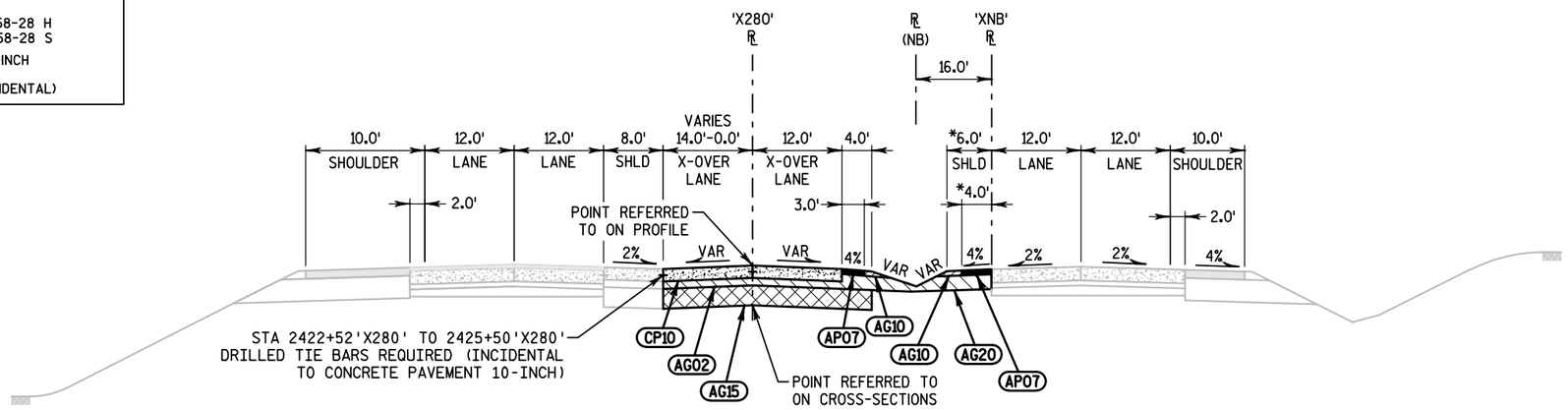


TYPICAL FINISHED SECTION

STA 2415+00'X280' TO STA 2420+20'X280'
STA 2415+00'NBET' TO STA 2420+00'NBET'

KEYNOTE LEGEND

AG02	6" BASE AGGREGATE DENSE 1 1/4-INCH
AG10	3" BASE AGGREGATE DENSE 3/4-INCH
AG15	16" SELECT CRUSHED MATERIAL
AG20	10" BASE AGGREGATE DENSE 1 1/4-INCH
AG19	19" BASE AGGREGATE DENSE 1 1/4-INCH
AP07	4-INCH HMA PAVEMENT SINGLE: 4.0" - 4 LT 58-28 S
AP18	7.0-INCH HMA PAVEMENT UPPER: 2.0" - 4 HT 58-28 H LOWER: 5.0" - 2 HT 58-28 S
CP10	CONCRETE PAVEMENT 10-INCH
SE	SAFETY EDGE REQ'D (INCIDENTAL)

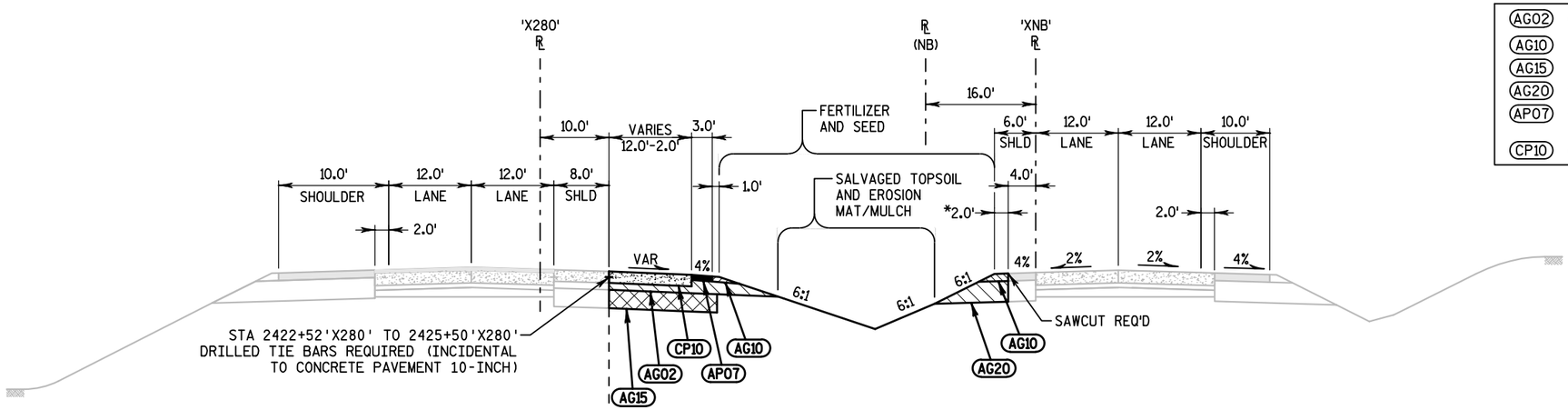


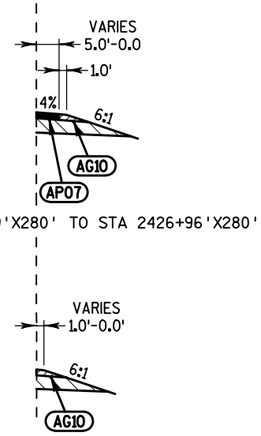
TYPICAL FINISHED SECTION

STA 2420+20'X280' TO STA 2423+90'X280'
*STA 2420+00 TO STA 2422+69

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

2





KEYNOTE LEGEND

AG02	6" BASE AGGREGATE DENSE 1 1/4-INCH
AG10	3" BASE AGGREGATE DENSE 3/4-INCH
AG15	16" BASE AGGREGATE DENSE 1 1/4-INCH
AG20	10" BASE AGGREGATE DENSE 1 1/4-INCH
AP07	4-INCH HMA PAVEMENT SINGLE: 4.0" - 4 LT 58-28 S
CP10	CONCRETE PAVEMENT 10-INCH

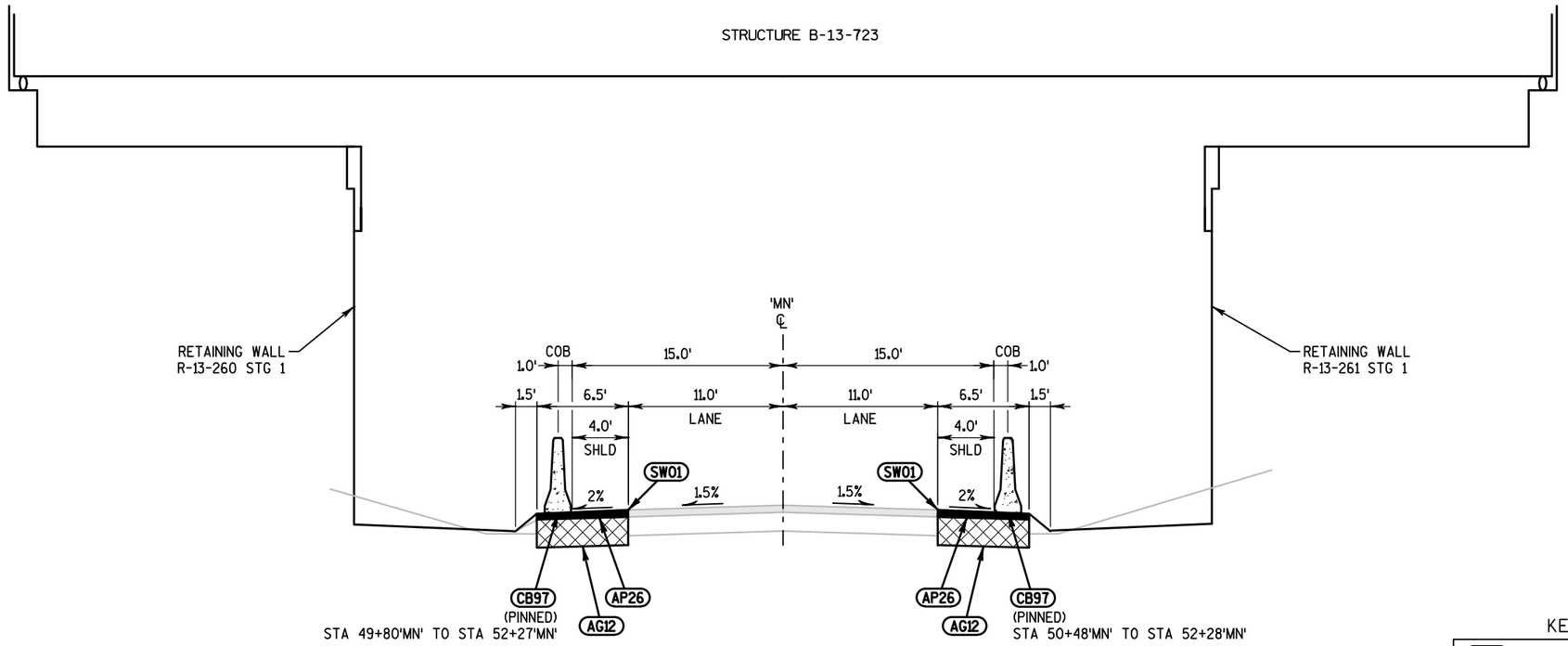
TYPICAL FINISHED SECTION

STA 2423+90'X280' TO STA 2427+29'X280'
*STA 2422+69 TO STA 2430+75

PROJECT NO:1007-11-76	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS - FINISHED	PAGE 07 OF 08	SHEET 19 E

FILE NAME : 020300_TS (TYPICAL FINISHED SECTIONS).DWG | PLOT DATE : 10/9/2017 5:25 PM | PLOT BY : SEH | LAYOUT NAME : 07 | PLOT SCALE : 1 IN:20 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071

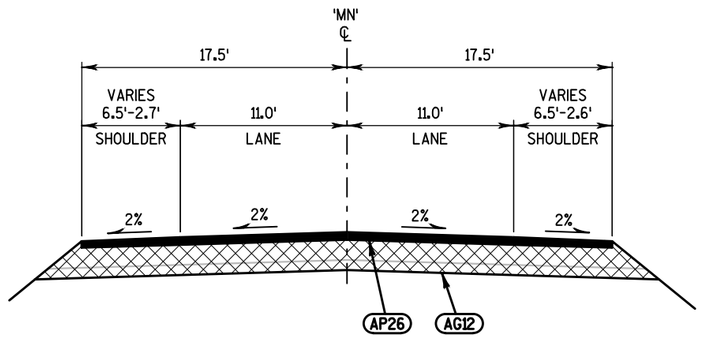


TYPICAL FINISHED SECTION

CTH MN
50+39'MN' TO 51+03'MN', LT
50+89'MN' TO 51+53'MN', RT

KEYNOTE LEGEND

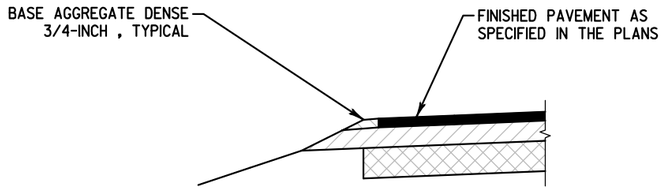
AG12	12" BASE AGGREGATE DENSE 1 1/4-INCH
AP26	4.5-INCH HMA PAVEMENT UPPER: 2.0" - 4 LT 58-28 S LOWER: 2.5" - 3 LT 58-28 S
CB97	MAINTENANCE AND REMOVAL OF CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE BY OTHERS
SW01	SAWING ASPHALT



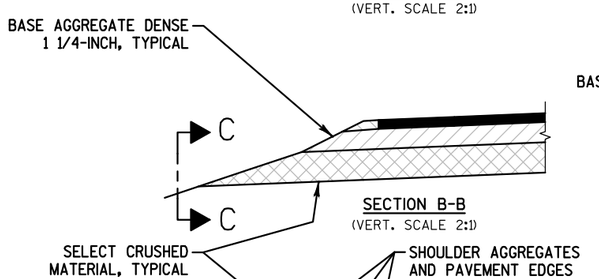
TYPICAL FINISHED SECTION

CTH MN
52+17'MN' TO 52+66'MN'

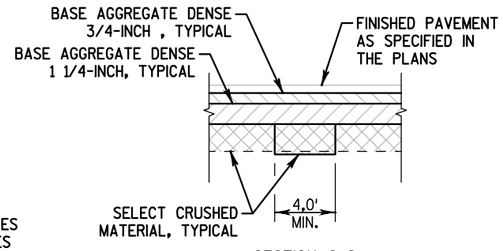
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 020300_TS (TYPICAL FINISHED SECTIONS).DWG
PLOT DATE : 10/9/2017 5:25 PM
PLOT BY : SEH
LAYOUT NAME : 08
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



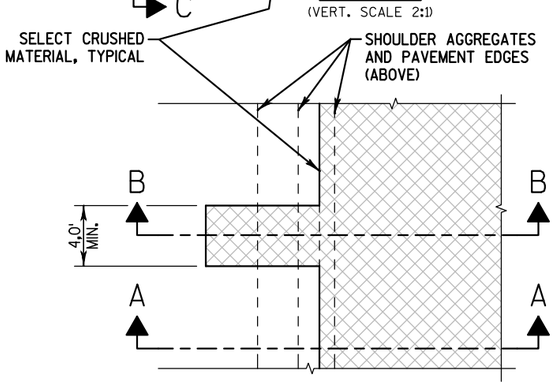
SECTION A-A
(VERT. SCALE 2:1)



SECTION B-B
(VERT. SCALE 2:1)



SECTION C-C
(VERT. SCALE 2:1)



PLAN VIEW
(VIEW PLANE AT TOP OF
SELECT CRUSHED MATERIAL)

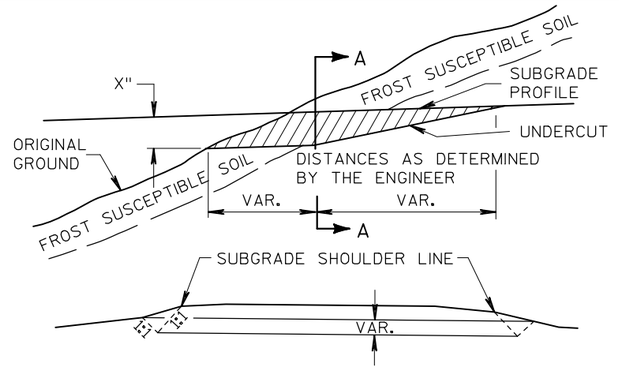
RELIEF TRENCH

NOTE:

CONSTRUCT RELIEF TRENCHES AT 200'-300' INTERVALS AND AT PROFILE SAG POINTS (LEFT AND RIGHT).

FINAL LOCATIONS TO BE APPROVED OR DETERMINED BY THE ENGINEER IN THE FIELD.

MATERIALS AND LABOR FOR RELIEF TRENCH ARE INCLUDED IN THE SELECT CRUSHED MATERIAL BID ITEM.



SECTION A-A
CROSS SECTION SHOWING UNDERCUT

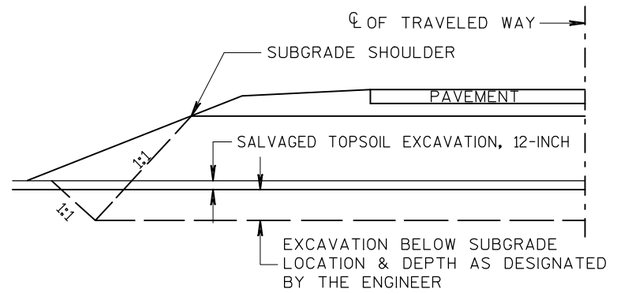
EXCAVATION BELOW SUBGRADE AT CUTS

NOTE:

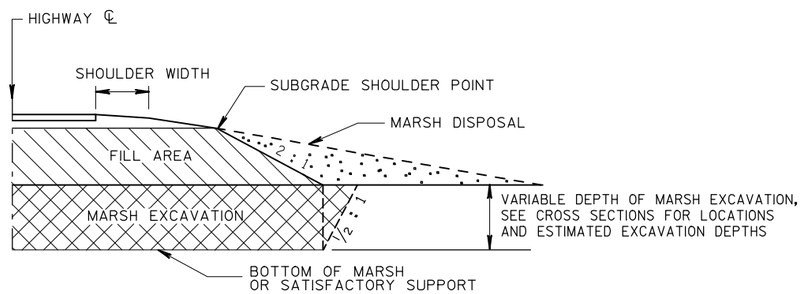
EXACT LOCATIONS AND EXTENT OF E.B.S. SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

BACKFILL E.B.S. WITH SLECT BORROW.

THE FILL SECTION WITHIN 100' OF THE MOUTH OF THE CUT MUST BE KEPT 2' BELOW SUBGRADE UNTIL E.B.S. IS COMPLETED.



EXCAVATION BELOW SUBGRADE



NOTE:

MARSH EXCAVATION SHALL BE REPLACED WITH SELECT BORROW IN AREAS WHERE WATER IS ENCOUNTERED. WHERE WATER IS ENCOUNTERED, PLACE SELECT BORROW TO AN ELEVATION 2 FT ABOVE THE WATER LINE, ALL OTHER AREAS SHALL BE REPLACED WITH EMBANKMENT.

MARSH DISPOSAL SHALL NOT BE PLACED IN THE MEDIAN.

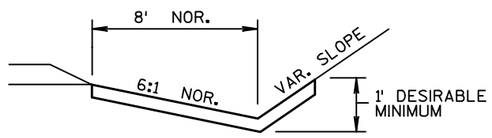
MARSH EXCAVATION

SAVE FOLDER PATH: P:\AE\D\DANEL\11918\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 021000_CD (CSTR DET).DWG
PLOT DATE : 11/1/2017 2:00 PM
PLOT BY : SEH
LAYOUT NAME : 01
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

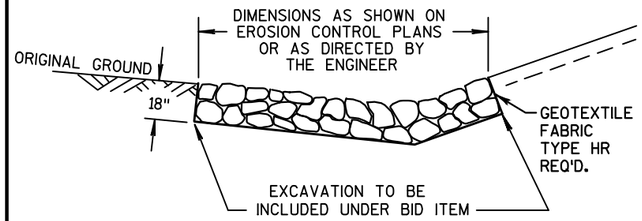
RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

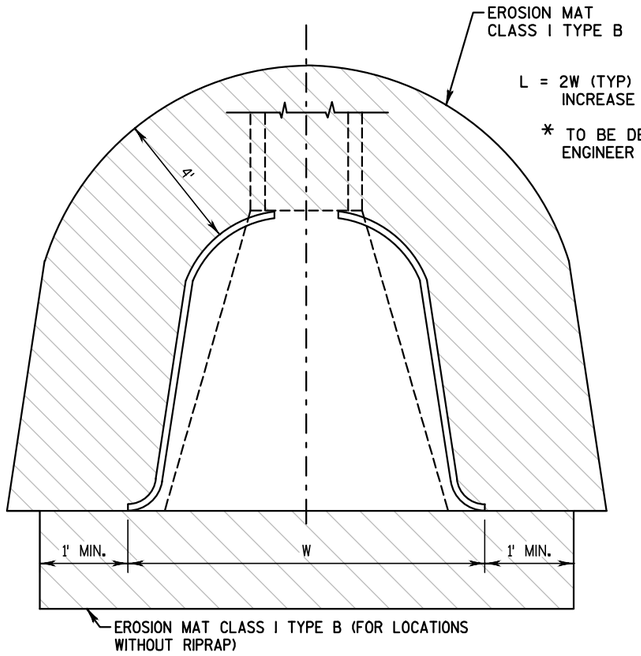
TOTAL PROJECT AREA = 188.7 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 62.7 ACRES



EROSION MAT FOR DITCHES

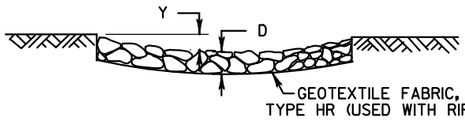


RIPRAP MEDIUM IN DITCHES



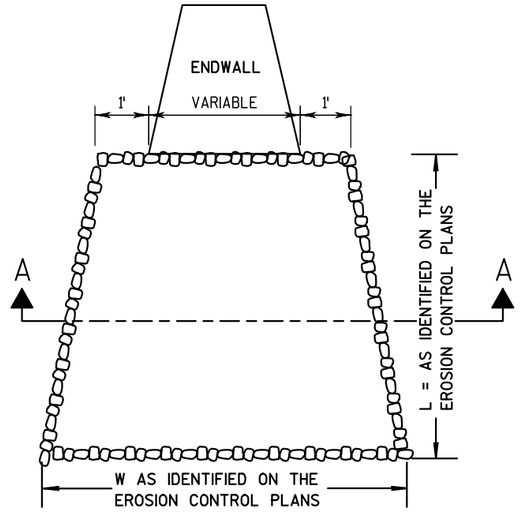
EROSION MAT AT APRON ENDWALLS

(SEE EROSION CONTROL PLANS FOR APPROXIMATE LOCATIONS)



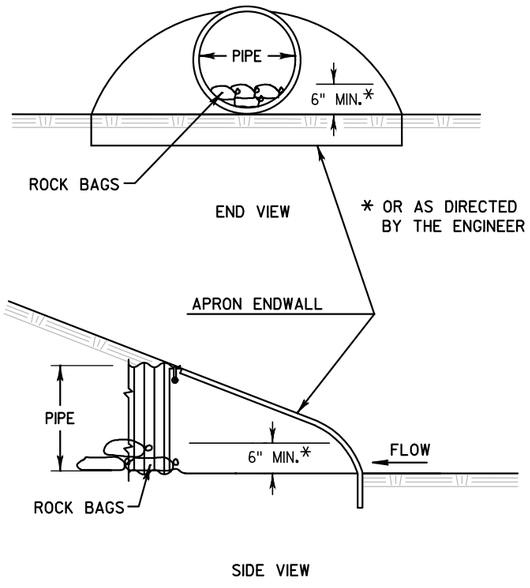
SECTION A-A

D = 18" FOR RIPRAP MEDIUM
Y = 0' FOR TYPICAL CULVERT DISCHARGE INTO DITCH
= 12" FOR CULVERT DISCHARGE DOWN EMBANKMENT SLOPE

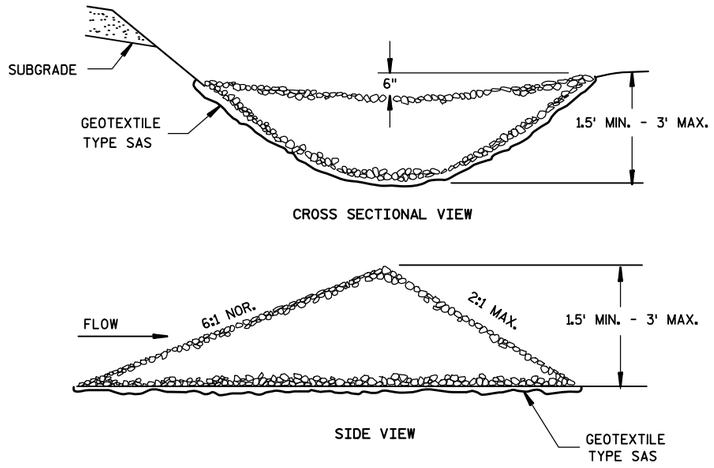


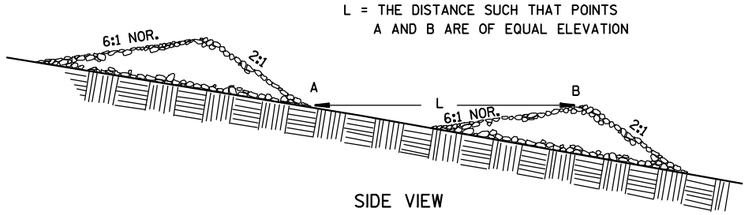
RIPRAP MEDIUM AND GEOTEXTILE FABRIC AT APRON ENDWALLS

(SEE EROSION CONTROL PLANS FOR APPROXIMATE LOCATIONS)

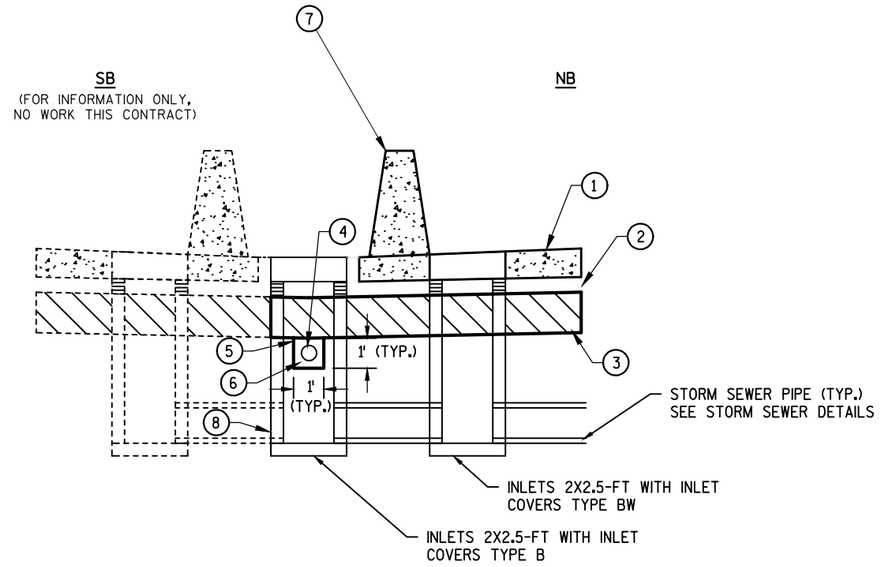


CULVERT PIPE CHECK





STONE OR ROCK DITCH CHECKS



(1) TRAPEZOIDAL SHOULDER (PAID SEPARATELY)

(2) BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH (PAID SEPARATELY)

(3) SELECT CRUSHED MATERIAL, 16-INCH (PAID SEPARATELY)

(4) PIPE UNDERDRAIN 6-INCH (SEE STORM SEWER DETAILS FOR LOCATIONS)

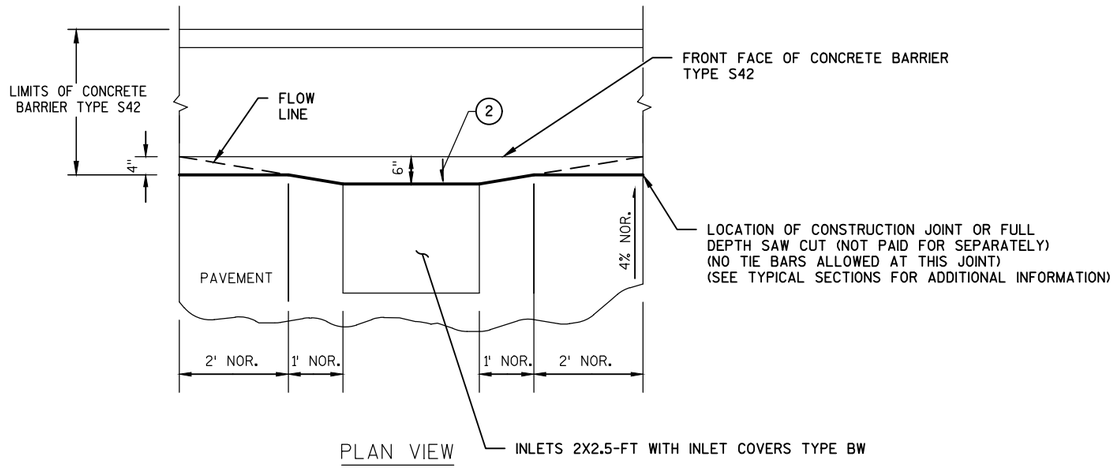
(5) GEOTEXTILE TYPE DF SCHEDULE A (PAID SEPARATELY)

(6) BACKFILL (INCIDENTAL TO "PIPE UNDERDRAIN 6-INCH")

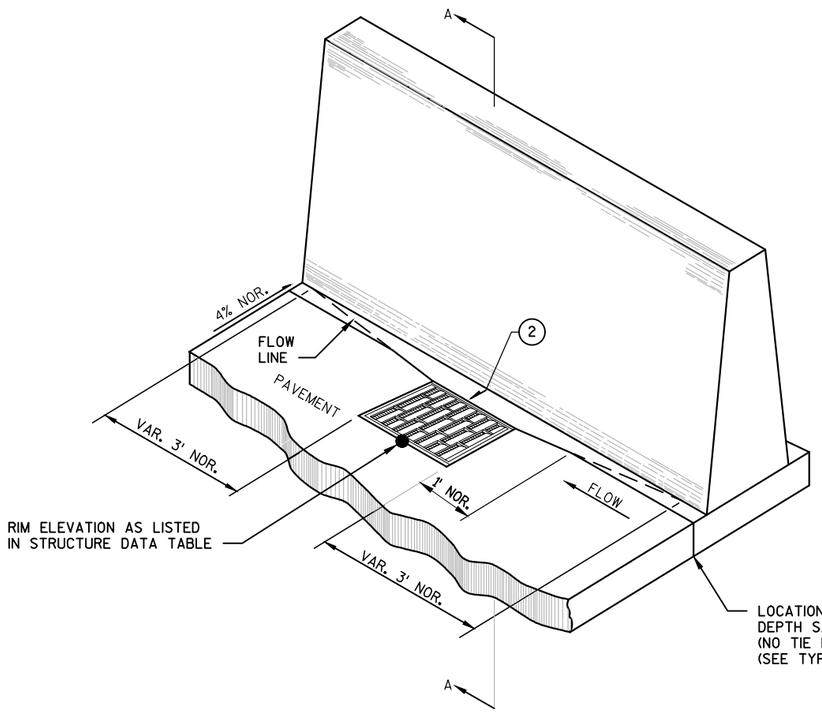
(7) CONCRETE BARRIER TYPE S42 (PAID SEPARATELY)

(8) MEDIAN INLETS PLACED AT LOW POINTS. SEE STORM SEWER DETAILS FOR LOCATIONS.

PIPE UNDERDRAIN 6-INCH

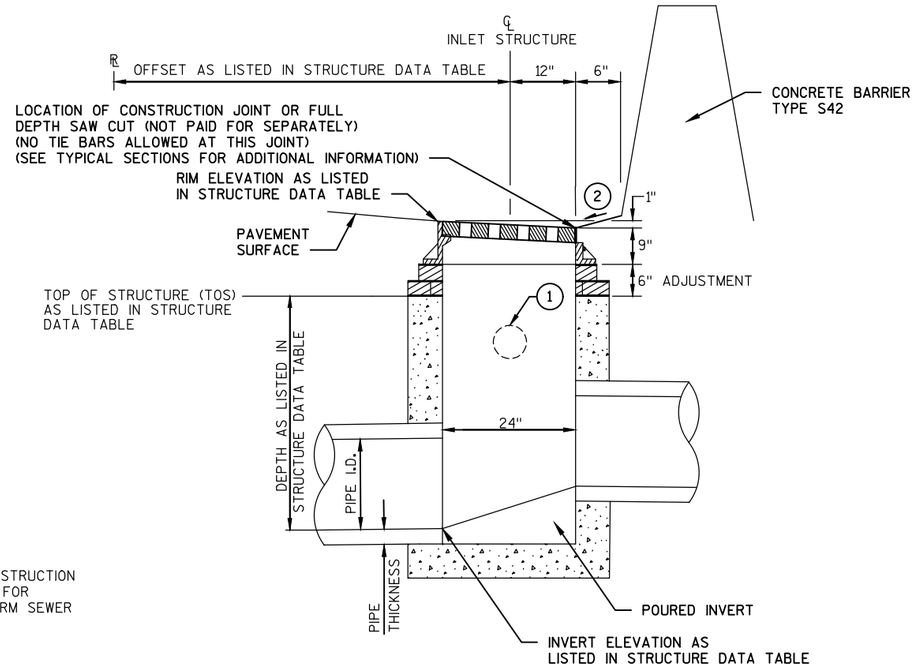


PLAN VIEW



(1) PIPE UNDERDRAIN 6-INCH (SEE CONSTRUCTION DETAIL "PIPE UNDERDRAIN 6-INCH" FOR ADDITIONAL INFORMATION, SEE STORM SEWER DETAILS FOR LOCATIONS)

(2) SLOPE TOWARDS INLET CASTING (SLOPE VARIES)

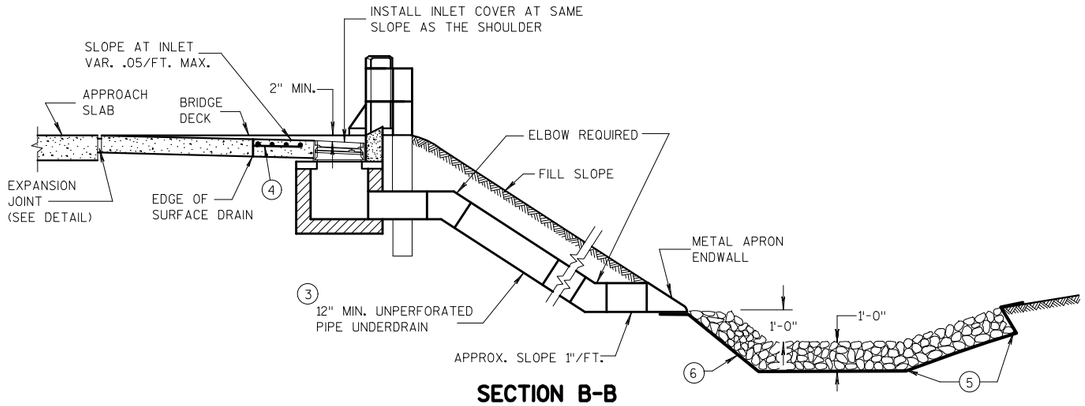


SECTION A-A

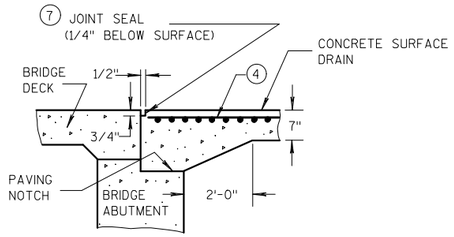
(INLETS 2X2.5-FT WITH INLET COVERS TYPE BW SHOWN)

SEE SDD "INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, & 2.5X3-FT FOR ADDITIONAL INFORMATION.

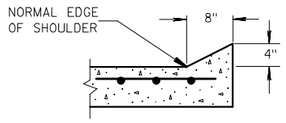
CONCRETE BARRIER TYPE S42 AT INLETS 2X2.5-FT DETAIL



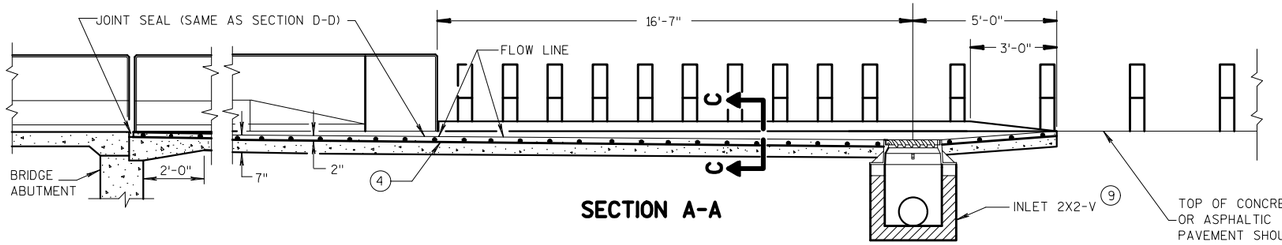
SECTION B-B



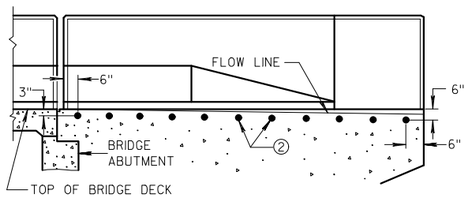
SECTION D-D



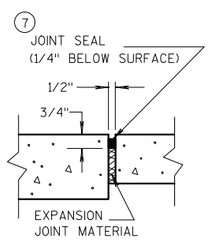
SECTION C-C



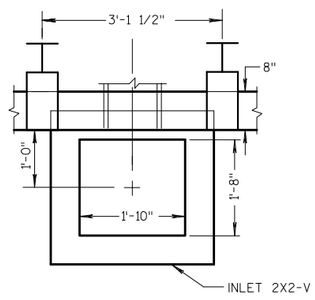
SECTION A-A



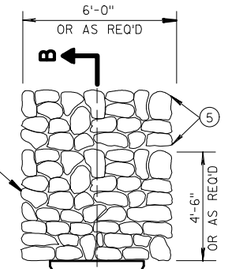
LOCATION OF TIE BARS IN WINGWALL

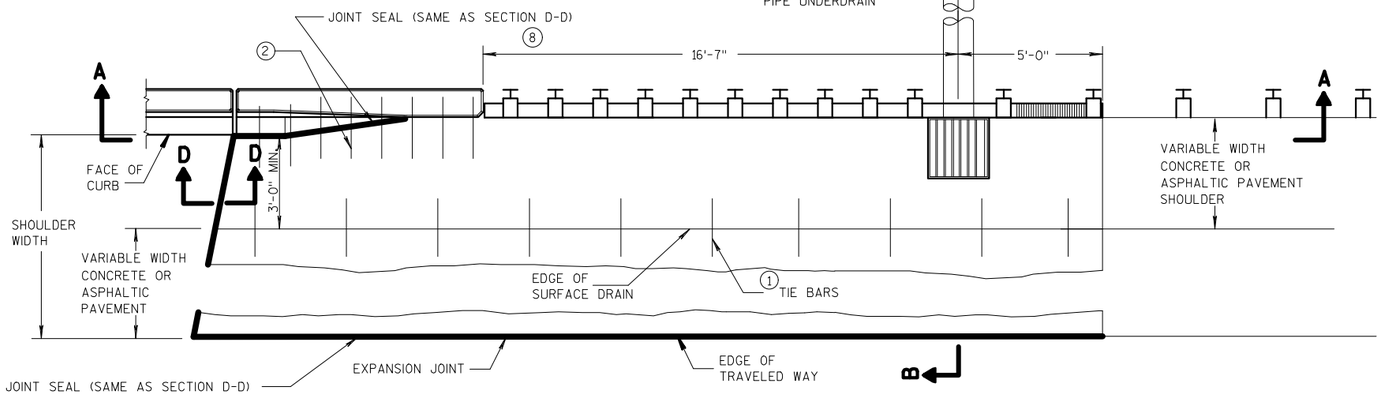


EXPANSION JOINT DETAIL



PLAN VIEW





PLAN VIEW

GENERAL NOTES

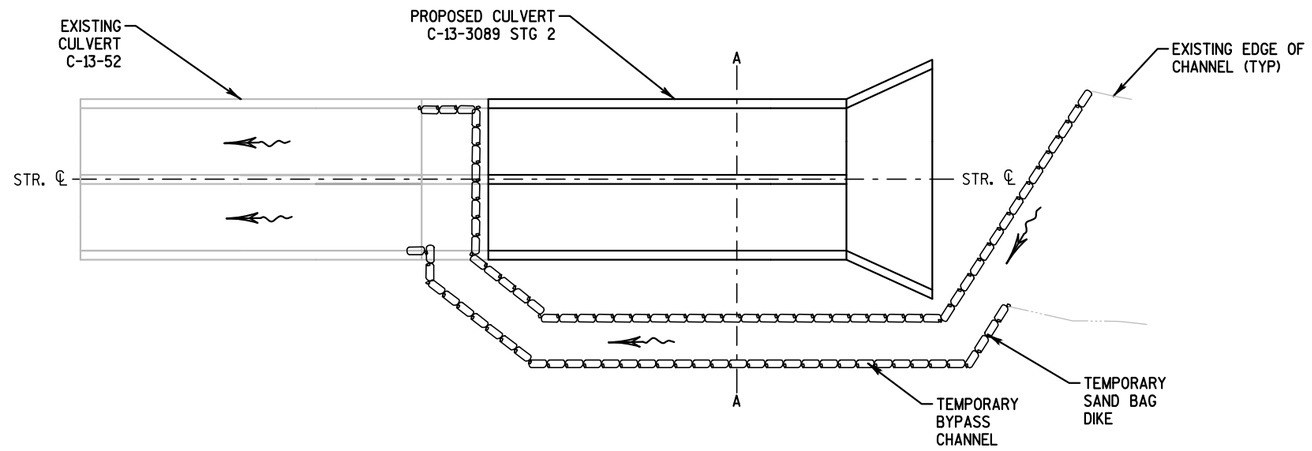
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

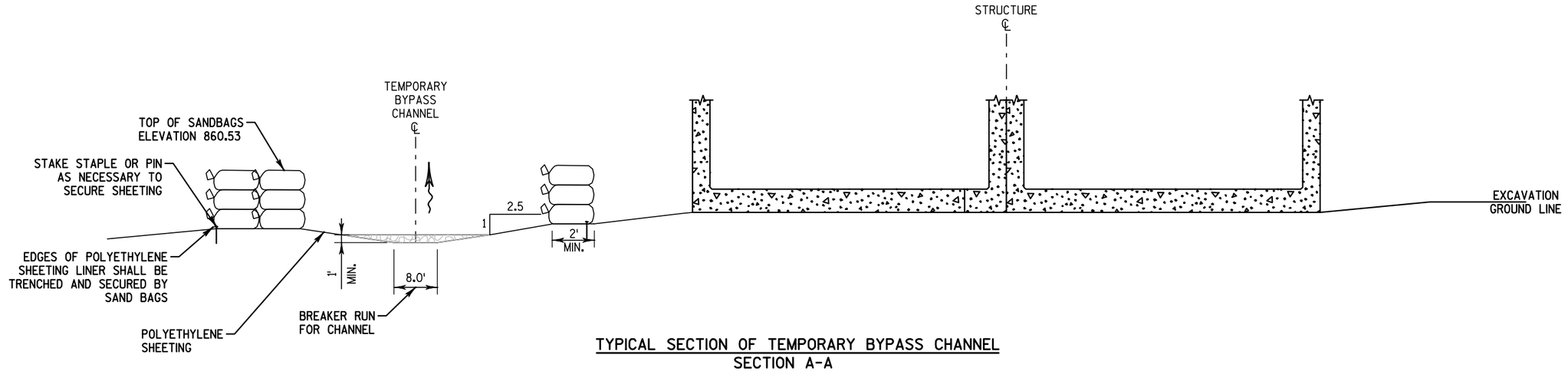
1. NO. 4 X 2'-0" TIE BARS SPACED AT 3'-0" CENTERS TO BE USED ONLY WHEN ADJACENT TO P.C. CONCRETE.
2. NO. 4 X 2'-0" TIE BARS SPACED AT 12" CENTERS TO BE PLACED BY BRIDGE CONTRACTOR, OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.
3. THE PIPE UNDERDRAIN MAY BE ANY ONE OF THE SIX MATERIALS LISTED IN THE STANDARD SPECIFICATIONS SECTION 612.2 EXCEPT DRAIN TILE.
4. MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C-C.
5. LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.
6. GEOTEXTILE FABRIC, TYPE 'R' OR TYPE 'HR', DEPENDENT ON RIPRAP TYPE
7. HOT POURED SEALANT UNLESS OTHERWISE SPECIFIED.
8. THIS DIMENSION MAY VARY DEPENDING ON THE SPACING OF POSTS FOR THE STEEL PLATE BEAM GUARD. THE TYPICAL LOCATION FOR THE SURFACE DRAIN IS WHERE THE POST SPACING IS 3'-1 1/2".
9. SEE CURRENT STANDARD DETAIL DRAWINGS 8A5 AND 8C7 FOR DETAILS.

CONCRETE SURFACE DRAIN AT STRUCTURES

2



PLAN VIEW OF TEMPORARY BYPASS CHANNEL



TYPICAL SECTION OF TEMPORARY BYPASS CHANNEL
SECTION A-A

NOTE:

THE TEMPORARY BYPASS CHANNEL MUST BE CAPABLE OF DIVERTING THE 2-YEAR RAINFALL EVENT STREAM FLOW. FISH AND AQUATIC SPECIES THAT BECOME STRANDED IN DEWATERED AREAS OR TEMPORARY CHANNELS SHOULD BE CAPTURED AND RETURNED TO THE ACTIVE CHANNEL IMMEDIATELY. SEE STRUCTURE PLANS FOR HYDRAULIC INFORMATION.

BREAKER RUN PAID UNDER STRUCTURE BID ITEM "BREAKER RUN," POLYETHYLENE SHEETING AND TEMPORARY SANDBAG DIKE PAID UNDER STRUCTURE BID ITEM "COFFERDAMS C-13-3089". SEE STRUCTURE PLAN FOR DETAILS.

EXCAVATION AND BACKFILL REQUIRED FOR DEWATERING WORK ZONE WILL BE INCLUDED IN STRUCTURE BID ITEM "COFFERDAMS C-13-3089".

THE TOP OF THE SANDBAGS IS SHOWN AT EL. 860.53 WHICH IS HIGHER THAN THE STREAM ELEVATION RESULTING FROM A 2-YEAR RAINFALL EVENT. IT IS ASSUMED THE WORK ZONE WILL BE INUNDATED FOR RAINFALL EVENTS EXCEEDING 2 YEARS.

A BACKWATER INCREASE DUE TO COFFERDAM IS NOT ALLOWED.

SCHEMATIC VIEWS OF DEWATERED WORK ZONE ARE FOR THE CONTRACTOR'S INFORMATION. CONTRACTOR MAY CHOOSE DEWATERING METHODS WHICH SUIT THEIR BEST PRACTICES.

SUBMIT A WATER DIVERSION PLAN TO THE ENGINEER AND ECIP.

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I176\SEC 02 TYPICAL SECTIONS & DETAILS

IH 39 SB

EXISTING C-13-52 (SB PORTION TO REMAIN)

EDGE OF EXISTING TRAVEL LANES (TYP)

EDGE OF ASPH SHOULDER (TYP)

2329+76.46
54.34'LT

2330+21.64
54.48'LT

2329+72.41
44.91'LT

2330+09.75
36.96'LT

2330+26.39
43.32'LT

2329+91.81
37.90'LT

2329+75.59
31.76'LT

2330+23.18
31.39'LT

18.0:1

3.0:1

2.7:1

SLOPE INTERCEPT (TYP)

PROPOSED CONTOURS (TYP)

RIPRAP (TYP) (SEE EROSION CONTROL PLANS)

EDGE OF TEMPOARY ASPH SHOULDER (TYP)

2330+21.96
18.09'LT

2329

2330

2331

TEMPORARY SHORING TO REMAIN IN PLACE (SEE STRUCTURE PLANS)

IH 39 NB

LONGITUDINAL CONC CONSTRUCTION JOINT (TYP)

EDGE OF CONC SHOULDER (TYP)

EXISTING CONTOURS (TYP)

C-13-3089, STAGE 2 (SEE STRUCTURE PLANS)

PROPOSED ROADWAY GRADING CONTOURS (TYP)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CONSTRUCTION DETAIL - C-13-3089 MEDIAN GRADING PAGE 07 OF 07	SHEET 27	E

FILE NAME : 021600_CM (GRADING DETAILS).DWG | PLOT DATE : 11/1/2017 1:58 PM | PLOT BY : SEH | LAYOUT NAME : 08 | PLOT SCALE : 1.0 IN = 20.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE
- REMOVING INLETS
- REMOVING FENCE
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS

N

PLE (TYP)

PROPOSED R/W (TYP)

FOOTBRIDGE

18"CPRC

7.0'(W)x8.0'(H)"BOX C-13-53

IH 39 SB

IH 39 NB

2186 2188 2190 2192 2194 2196 2198 22

SLOPE INTERCEPT (TYP)

MATCH LINE 2200+00

BEGIN PROJECT 1007-11-76
END PROJECT 1007-11-71
STA 2195+00

EXISTING R/W (TYP)

ATC TOWER

ATC TOWER

CAUTION
ATC
(345kV)

ATC

SIGN

TILE

HO

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 01 OF 10	SHEET	E

FILE NAME : 021100_RM (REMOVAL PLAN).DWG
PLOT DATE : 11/1/2017 8:36 AM
PLOT BY : SEH
LAYOUT NAME : 01
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE
- REMOVING INLETS
- REMOVING FENCE
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS

NOTE: CONCRETE FLUMES PAID AS "REMOVING PAVEMENT"

N

IH 39 SB

IH 39 NB

30"CPSP

36"CPCS

MATCH LINE 2200+00

MATCH LINE 2214+00

2202

2204

2206

2208

2210

2212

ATC TOWER

EXISTING BILLBOARD TO REMAIN

SLOPE INTERCEPT (TYP)

ATC TOWER

WISDOT

CAUTION ATC (345kV)

EXISTING R/W (TYP)

STA 2201+75 TO STA 2211+00, CLEARING AND GRUBBING REQ'D

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 02 OF 10	SHEET	E

FILE NAME : 021100_RM (REMOVAL PLAN).DWG PLOT DATE : 11/1/2017 8:37 AM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 100.0 FT

SAVE FOLDER PATH: P:\AE\DV\DANE\119189\CIVIL 3D\1007\1001\SHEETSPLAN\1007111176\SEC 02 TYPICAL SECTIONS & DETAILS

SAVE FOLDER PATH: P:\AE\D\DANEL\1119189\CIVIL 3D\1007101\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

PROPOSED R/W (TYP)

N

IH 39 SB

60"CPRC

60"CPCS

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE
- REMOVING INLETS
- REMOVING FENCE
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS

NOTE: CONCRETE FLUMES PAID AS "REMOVING PAVEMENT"

MATCH LINE 2214+00

MATCH LINE 2229+00

14 2216 2218 2220 2222 2224 2226 2228

IH 39 NB

830'XJB

ATC TOWER

ATC

SLOPE INTERCEPT (TYP)

SIS. WORK BY OTHERS

ATC TOWER

ATC

WISDOT

WISDOT

WISDOT

WISDOT

WISDOT

CAUTION
ATC
(345kV)

STA 2214+00 TO STA 2215+00,
CLEARING AND GRUBBING REQ'D

STA 2216+00 TO STA 2225+00,
CLEARING AND GRUBBING REQ'D

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 03 OF 10	SHEET	E

FILE NAME : 021100_RM (REMOVAL PLAN).DWG PLOT DATE : 11/1/2017 8:37 AM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE
- REMOVING INLETS
- REMOVING FENCE
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS

NOTE: CONCRETE FLUMES PAID AS "REMOVING PAVEMENT"

IH 39 SB

N

MATCH LINE 2229+00

MATCH LINE 2244+00

2230 2232 2234 2236 2238 2240 2242

IH 39 NB

42"CPCS/30"LINER

24"CPCS/24"LINER

REMOVING SMALL SIGN SUPPORTS

REMOVING BUILDING (CONCRETE MASONRY UNIT WITH LANNON STONE VENEER, ASPHALT ROOF SHINGLES, SIDEWALK, ANTENNA & POLE, MISCELLANEOUS ELECTRICAL COMMUNICATION FIXTURES, FLOOR SPACE APPROXIMATELY 625 SQ FT)

REMOVING SCALE EQUIPMENT (PEDESTALS, SIGN)

REMOVING SCALE EQUIPMENT (WOOD POLE)

REMOVING SCALE EQUIPMENT (WOOD POLE)

REMOVING SCALE EQUIPMENT (WOOD POLE)

REMOVING SCALE EQUIPMENT (WOOD LIGHT POLE)

REMOVING SCALE EQUIPMENT (WOOD LIGHT POLE)

ATC TOWER

SLOPE INTERCEPT (TYP)

832'XJB' NB EXIT RAMP (CLOSED) 834'XJB'

REMOVING FENCE (GATE)

ATC TOWER

836'XJB' 838'XJB' 840'XJB' 842'XJA' 844'XJA'

REMOVING SCALE EQUIPMENT (WOOD POLE)

REMOVING SCALE EQUIPMENT (TRAFFIC SIGNAL PEDESTAL)

WISDOT

REMOVING SCALE EQUIPMENT (STEEL POLES & ELECTRICAL CONDUIT, MARKER POST)

18"CPCS

24"CPCS

CAUTION ATC (345kV)

NB SWEF A.K.A. "UTICA SCALE #17 STOUGHTON"

852'EDS 850'EDS 848'EDS 846'EDS 844'EDS 843'EDS

ALLIANT ENERGY

ALLIANT ENERGY

AT&T

REMOVING SCALE EQUIPMENT (SCALE FRAME AND PLATFORM)

REMOVING PAVEMENT (FLUME & CONC. PAD)

EXISTING R/W (TYP)

NOTE, EXISTING TEMPORARY SALT SHED AND EQUIPMENT TO BE REMOVED BY DANE COUNTY HIGHWAY DEPARTMENT PRIOR TO START TO CONSTRUCTION

STA 2228+00 TO STA 2237+50, CLEARING AND GRUBBING REQ'D

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 04 OF 10	SHEET	E

FILE NAME : 021100_RM (REMOVAL PLAN).DWG PLOT DATE : 11/1/2017 8:37 AM PLOT BY : SEH LAYOUT NAME : 04 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\1007\1001\SHEETSPLAN\1007116\SEC 02 TYPICAL SECTIONS & DETAILS

2

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE
- REMOVING INLETS
- REMOVING FENCE
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS

NOTE: CONCRETE FLUMES PAID AS "REMOVING PAVEMENT"

N

PROPOSED R/W (TYP)

24"CPCS/24"LINER

IH 39 SB

30"CPCS

SLOPE INTERCEPT (TYP)

MATCH LINE 2244+00

2246 2248 2250 2252 2254 2256

IH 39 NB

850'XJA'

848'XJA' (CLOSED)

846'XJANB ENTRANCE RAMP

REMOVING SMALL SIGN SUPPORTS

MATCH LINE 2258+00

ATC

ATC TOWER

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

ALLIANT ENERGY

CAUTION ATC (345kV)

ATC TOWER

STA 2248+00 TO STA 2258+00,
CLEARING AND GRUBBING REQ'D

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 05 OF 10	SHEET	E

FILE NAME : 021100_RM (REMOVAL PLAN).DWG PLOT DATE : 11/1/2017 8:38 AM PLOT BY : SEH LAYOUT NAME : 05 PLOT SCALE : 1.0 IN = 100.0 FT

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

2

N

PROPOSED R/W (TYP)

IH 39 SB

24"CPCS/24"LINER

24"CPCS

2268

2270

2272

2266

2264

2262

2260

IH 39 NB

END CONSTRUCTION
STA 2266+00

MATCH LINE 2258+00

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

ATC TOWER

CAUTION
ATC
(345kV)

PROPOSED R/W (TYP)

OH

STA 2261+50 TO STA 2262+50,
CLEARING AND GRUBBING REQ'D

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE
- REMOVING INLETS
- REMOVING FENCE
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 06 OF 10	SHEET 33	E

SAVE FOLDER PATH: P:\AE\D\DANEL\11918\CIVIL 3D\1007100\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS

2

WILLIAMS DR

PROPOSED R/W (TYP)

PLE (TYP)

IH 39 SB

18"CPCS

8.0'(W)x6.0'(H) BOX C-13-52

8.0'(W)x8.0'(H) BOX C-13-52

2318 2320 2322 2324 2326 2328 2330 2332

24"CPRC

12"CPRC

IH 39 NB

MATCH LINE 2333+25

REMOVING OLD STRUCTURE (SEE STRUCTURE PLANS, C-13-3089, STAGE 2)

BEGIN CONSTRUCTION
STA 2323+00

SLOPE INTERCEPT (TYP)

ATC TOWER

CAUTION ATC (345kV)

EXISTING R/W (TYP)

OH

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE
- REMOVING INLETS
- REMOVING FENCE
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS

N

PROPOSED R/W (TYP)

36"CPCS

IH 39 SB

MATCH LINE 2333+25

2334 2336 2338 2340 2342 2344 2346 2348

IH 39 NB

MATCH LINE 2348+25

SLOPE INTERCEPT (TYP)

ATC TOWER

CAUTION ATC (345kV)

ATC TOWER

EXISTING BILLBOARD TO REMAIN

EXISTING R/W (TYP)

OH

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 07 OF 10	SHEET	E

FILE NAME : 021100_RM (REMOVAL PLAN).DWG PLOT DATE : 11/1/2017 8:39 AM PLOT BY : SEH LAYOUT NAME : 07 PLOT SCALE : 1.0 IN = 100.0 FT WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\DV\DANE\119189\CIVIL 3D\1007\1001\SHEETSPLAN\1007\1176\SEC 02 TYPICAL SECTIONS & DETAILS

SAVE FOLDER PATH: P:\AE\D\DANIEL\11918\CIVIL 3D\1007I001\SHEETSPLAN\1007I176\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

SB ENTRANCE RAMP

IH 39 SB

N

MATCH LINE 2348+25

2350 2352 2354 2356 2358 2360 2362

MATCH LINE 2363+25

IH 39 NB

SLOPE INTERCEPT (TYP)

ATC TOWER

CAUTION
ATC
(345kV)

EXISTING R/W (TYP)

ATC TOWER

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE
- REMOVING INLETS
- REMOVING FENCE
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS

NOTE: CONCRETE FLUMES PAID AS "REMOVING PAVEMENT"

SB EXIT RAMP

36"CPCS/36"LINER

48"CPCS

IH 39 SB

N

MATCH LINE 2363+25

2364 2366 2368 2370 2372 2374 2376 2378

IH 39 NB

48"CPCS

36"CPCS/36"LINER

48"CPCS

MATCH LINE 2378+25

SLOPE INTERCEPT (TYP)

ATC TOWER

EXISTING BILLBOARD TO REMAIN

CAUTION
ATC
(345kV)

EXISTING R/W (TYP)

ATC TOWER

SEPTIC

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 08 OF 10	SHEET	E

FILE NAME : 021100_RM (REMOVAL PLAN).DWG PLOT DATE : 11/1/2017 8:39 AM PLOT BY : SEH LAYOUT NAME : 08 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

PROPOSED R/W (TYP)

WINDSTREAM

CTH MN

CAUTION

ALLIANT ENERGY

FRONTIER COM (T) CHARTER (FO)

18"CPCS

IH 39 SB

2380 2382 2384 2386 2388 2390 2392

MATCH LINE 2378+25

MATCH LINE 2393+15

IH 39 NB

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

ATC TOWER

REMOVING OLD STRUCTURE (SEE STRUCTURE PLAN B-13-723)

24"CPCS

CAUTION ATC (345kV)

ALLIANT ENERGY

FRONTIER COM (T) CHARTER (FO)

ATC TOWER

STA 2289+00 TO STA 2392+00, CLEARING AND GRUBBING REQ'D

REMOVAL PLAN LEGEND

- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE
- REMOVING INLETS
- REMOVING FENCE
- REMOVING GUARDRAIL
- REMOVING DELINEATORS AND MARKERS
- REMOVING SMALL PIPE CULVERTS

DOOR CREEK

REMOVING STORM SEWER 19"x30"

30"CPRC

REMOVING STORM SEWER 18-INCH

18"CPRC

IH 39 SB

2394 2396 2398 2400 2402 2404 2406 2408

MATCH LINE 2393+15

MATCH LINE 2408+15

IH 39 NB

SLOPE INTERCEPT (TYP)

ATC TOWER

CAUTION ATC (345kV)

EXISTING R/W (TYP)

REMOVING OLD STRUCTURE (SEE STRUCTURE PLAN B-13-725)

ATC TOWER

PROPOSED R/W (TYP)

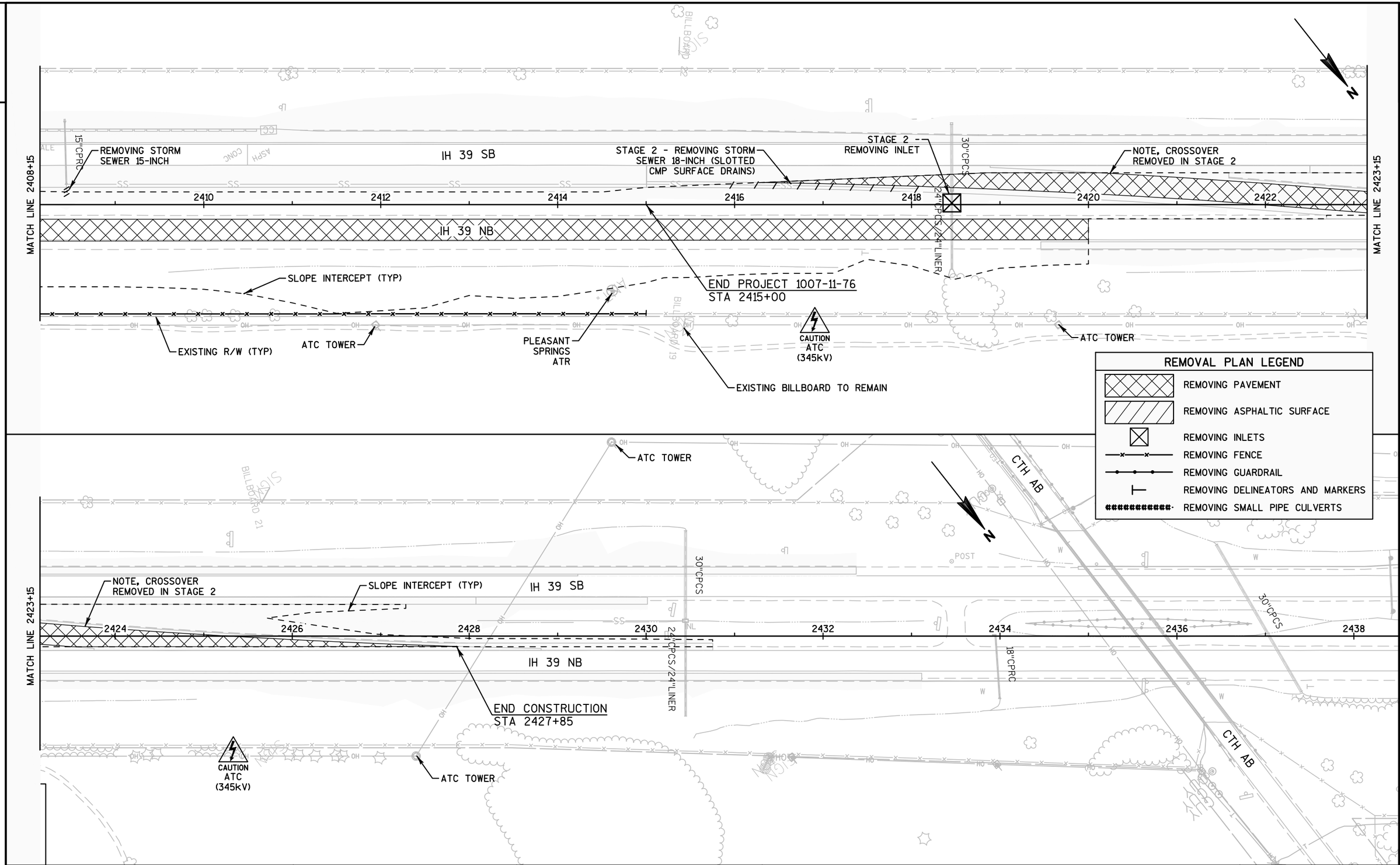
EXISTING BILLBOARD TO REMAIN

DOOR CREEK

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 09 OF 10	SHEET	E

FILE NAME : 021100_RM (REMOVAL PLAN).DWG PLOT DATE : 11/1/2017 8:40 AM PLOT BY : SEH LAYOUT NAME : 09 PLOT SCALE : 1.0 IN = 100.0 FT WISDOT/CADDS SHEET 42

2



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	REMOVAL PLAN	PAGE 10 OF 10	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I176\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021100_RM (REMOVAL PLAN).DWG
PLOT DATE : 11/1/2017 8:40 AM
PLOT BY : SEH
LAYOUT NAME : 10
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

SURFACE WATER FLOW

PERMITTED WETLAND IMPACT

N

EXISTING RW (TYP)

PROPOSED RW (TYP)

DELINEATED WETLAND (TYP)

993'TSB2' 994'TSB2' 995'TSB2' 996'TSB2' 997'TSB2' 998'TSB2'

IH 39 SB

℄ 'TSB2'

BEGIN PROJECT 1007-11-76
END PROJECT 1007-11-71
STA 2195+00.00
MATCH EXISTING PAVMENT
Y=455,486.5567
X=879,716.4905

2195+00.00 15.50'LT
2195+00.00 12.00'LT
2195+81.33 15.50'LT
AP07
2196+32.12 14.00'LT
BFS=4.00%
2196+61.33
2196+81.60 12.00'LT
AG01

2193 2194 2195 2196 2197 2198

2195+00.00 0.00'	886.47	886.68	886.90	887.14	887.39	12' VAR 3.5'-0	887.66	CP13	887.95	CP05	888.25	888.56	℄	888.91	889.24	889.62	889.98	890.39	890.79	
2195+00.00 12.00'RT	886.71	886.92	887.15	887.44	887.75	12'	888.07	CP05	888.40		888.73	889.04		889.39	889.72	890.10	890.46	890.87	891.27	
2195+00.00 24.00'RT	886.86	887.13	887.41	887.75	888.10	12'	888.48	CP05	888.86		889.21	889.52		889.87	890.20	890.58	890.94	891.35	891.75	
	887.05	887.37	887.71	888.11	888.52	14'	888.95	CP05	889.39		889.77	890.08		890.43	890.76	891.14	891.50	891.91	892.31	
2195+00.00 38.00'RT	887.18	887.54	887.93	888.37	888.82	10'	889.29	CP05	889.77		890.17	890.48		890.83	891.16	891.54	891.90	892.31	892.71	
2195+00.00 48.00'RT						2'		AG01												

IH 39 NB

MATCH LINE 2198+50

2195+00.00 50.00'RT

BEGIN ITS CONSTRUCTION (SEE ITS PLAN)

CAUTION ATC (345kV)

ATC TOWER

BEGIN CONSTRUCTION FENCE WOVEN WIRE 4-FOOT STA 2195+55

FE01

SLOPE INTERCEPT (TYP)

3' (TYP)

2195+55.49 92.50'RT

MATCH EXISTING FENCE CONSTRUCTED UNDER PROJECT 1007-11-71

ITS HO

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 01 OF 34	SHEET 38	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/9/2017 5:34 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117601 SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
CP05	CONCRETE PAVEMENT 12-INCH
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

IH 39 SB

IH 39 NB

999'TSB2'

1000'TSB2'

1001'TSB2'

1002'TSB2'

1003'TSB2'

1004'TSB2'

℄ 'TSB2'

N

DELINEATED WETLAND (TYP)

MATCH LINE 2198+50

MATCH LINE 2204+30

2199 2200 2201 2202 2203 2204

890.74 891.17 891.64 892.10 892.59 893.09 893.59 894.09 894.59 895.09 895.59 896.09 896.60 897.09 897.60 898.10 898.60 899.10 899.60 900.10 900.60 901.10 901.61

891.22 891.65 892.12 892.58 893.07 893.57 894.07 894.57 895.07 895.57 896.07 896.57 897.08 897.57 898.08 898.58 899.08 899.58 900.08 900.58 901.08 901.58 902.09

891.70 892.13 892.60 893.06 893.55 894.05 894.55 895.05 895.55 896.05 896.55 897.05 897.56 898.05 898.56 899.06 899.56 900.06 900.56 901.06 901.56 902.06 902.57

892.18 892.61 893.08 893.54 894.03 894.53 895.03 895.53 896.03 896.53 897.03 897.53 898.04 898.53 899.04 899.54 900.04 900.54 901.04 901.54 902.04 902.54 903.05

892.74 893.17 893.64 894.10 894.59 895.09 895.59 896.09 896.59 897.09 897.59 898.09 898.60 899.09 899.60 900.10 900.60 901.10 901.60 902.10 902.60 903.10 903.61

893.14 893.57 894.04 894.50 894.99 895.49 895.99 896.49 896.99 897.49 897.99 898.49 899.00 899.49 900.00 900.50 901.00 901.50 902.00 902.50 903.00 903.50 904.01

AG01 CP05 AG01

12' 12' 12' 14' 10' 2' 2'

SLOPE INTERCEPT (TYP)

CAUTION ATC (345kV)

2204+14.14
169.53'RT

FE01

-ITS- -ITS- -ITS-

3" (TYP)

HO

EXISTING RW (TYP)

ATC TOWER

BLABGRICN

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 02 OF 34	SHEET 39	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/9/2017 5:34 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 40.0 FT

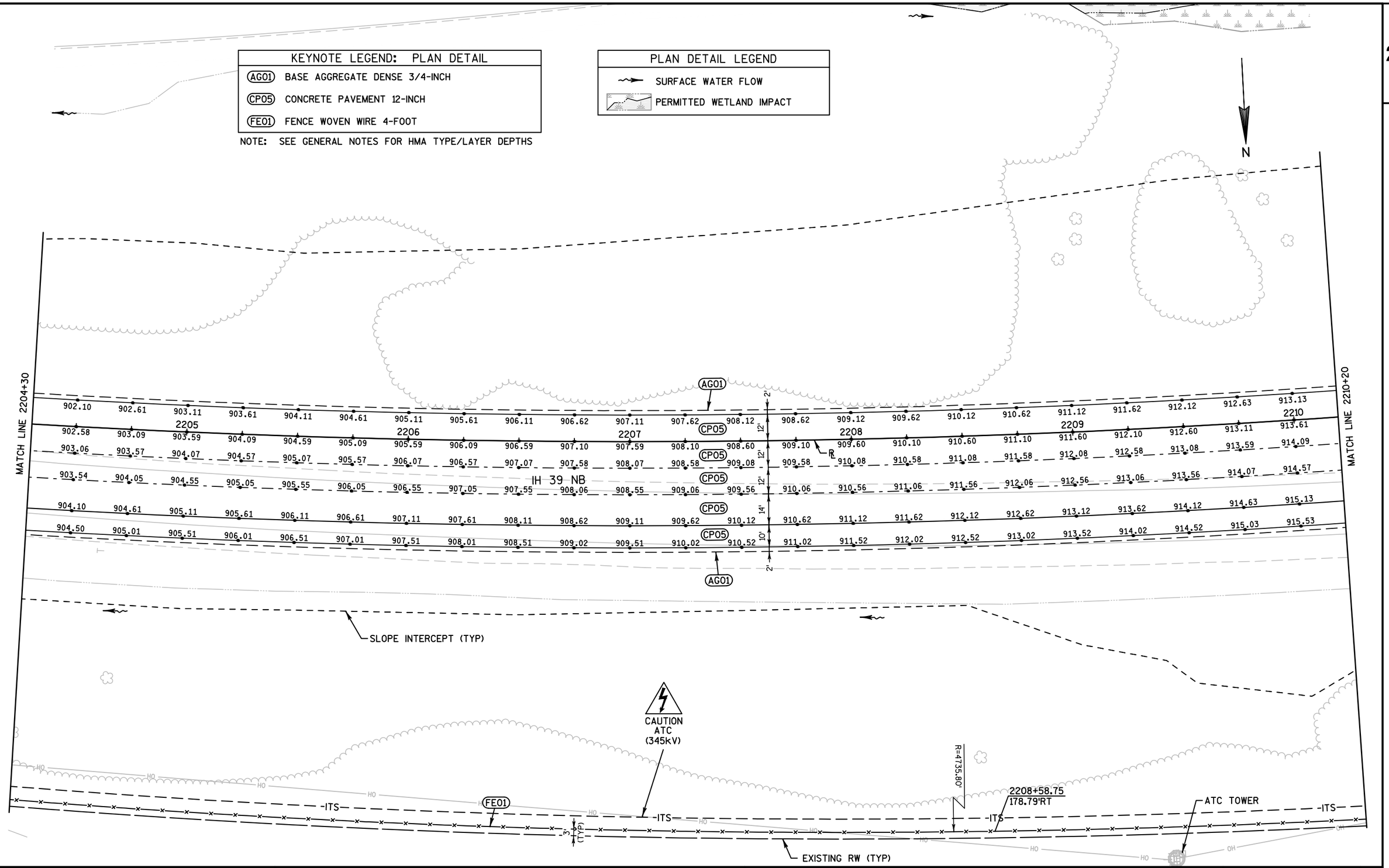
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D_DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007176 SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
CP05	CONCRETE PAVEMENT 12-INCH
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 03 OF 34	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007111\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/9/2017 5:35 PM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

N

MATCH LINE 2210+20

913.63 914.13 914.63 915.13 915.63 916.13 916.64 917.13 917.64 918.14 918.64 919.14 919.64 920.14 920.64 921.14 921.65 922.14 922.65 923.15 923.65 924.15 924.65 925.15

914.11 914.61 915.11 915.61 916.11 916.61 917.12 917.61 918.12 918.62 919.12 919.62 920.12 920.62 921.12 921.62 922.13 922.62 923.13 923.63 924.13 924.63 925.13 925.63

914.59 915.09 915.59 916.09 916.59 917.09 917.60 918.09 918.60 919.10 919.60 920.10 920.60 921.10 921.60 922.10 922.61 923.10 923.56 924.01 924.46 924.91 925.37 925.87

915.07 915.57 916.07 916.57 917.07 917.57 918.08 918.57 919.08 919.58 920.08 920.58 921.08 921.58 922.08 922.58 923.09 923.58 924.00 924.40 924.80 925.20 925.61 926.06

915.63 916.13 916.63 917.13 917.63 918.13 918.64 919.13 919.64 920.14 920.64 921.14 921.64 922.14 922.64 923.14 923.65 924.14 924.51 924.85 925.19 925.54 925.88 926.27

916.03 916.53 917.03 917.53 918.03 918.53 919.04 919.53 920.04 920.54 921.04 921.54 922.04 922.54 923.04 923.54 924.05 924.54 924.87 925.17 925.47 925.78 926.08 926.43

2211 2212 2213 2214 2215

AG01 CP05 CP05 CP05 CP05 CP13 AG01

2' 12' 12' 12' 14' 10' 2'

IH 39 NB

EFS=4.00%
2214+53.37

MATCH LINE 2216+00

SLOPE INTERCEPT (TYP)

WISDOT

CAUTION
ATC
(345kV)

-ITS- V -ITS-

2213+02.51
187.65'RT

FE01

3' (TYP)

EXISTING R/W (TYP)

-ITS-

OH

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 04 OF 34	SHEET 41	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG | PLOT DATE : 10/9/2017 5:35 PM | PLOT BY : SEH | LAYOUT NAME : 04 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

N

MATCH LINE 2216+00

LC=0.00%
2216+93.37

BNC=-2.00%
2218+13.37

925.65 926.15 926.65 927.15 927.66 928.16 928.66 929.16
926.13 926.63 927.13 927.63 928.14 928.64 929.14 929.64
926.37 926.87 927.37 927.87 928.38 928.88 929.38 929.88
926.51 926.96 927.41 927.86 928.31 928.76 929.21 929.66
926.67 927.06 927.45 927.85 928.24 928.63 929.02 929.42
926.78 927.13 927.48 927.82 928.13 928.44 928.75 929.06

16 2217 2218 2219 2220 2221 22

CP05 CP13

AG01
CP13
CP05
CP05
CP05
CP13
AG01

12' 12' 12' 14' 10' 2'

IH 39 NB

MATCH LINE 2222+00

SLOPE INTERCEPT (TYP)

CAUTION
ATC
(345kV)

ATC TOWER

WISDOT

WISDOT

OH

-ITS-

FE01

3' (TYP)

EXISTING R/W

2221+87.75
171.99'RT

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 05 OF 34	SHEET 42	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG | PLOT DATE : 10/9/2017 5:35 PM | PLOT BY : SEH | LAYOUT NAME : 05 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

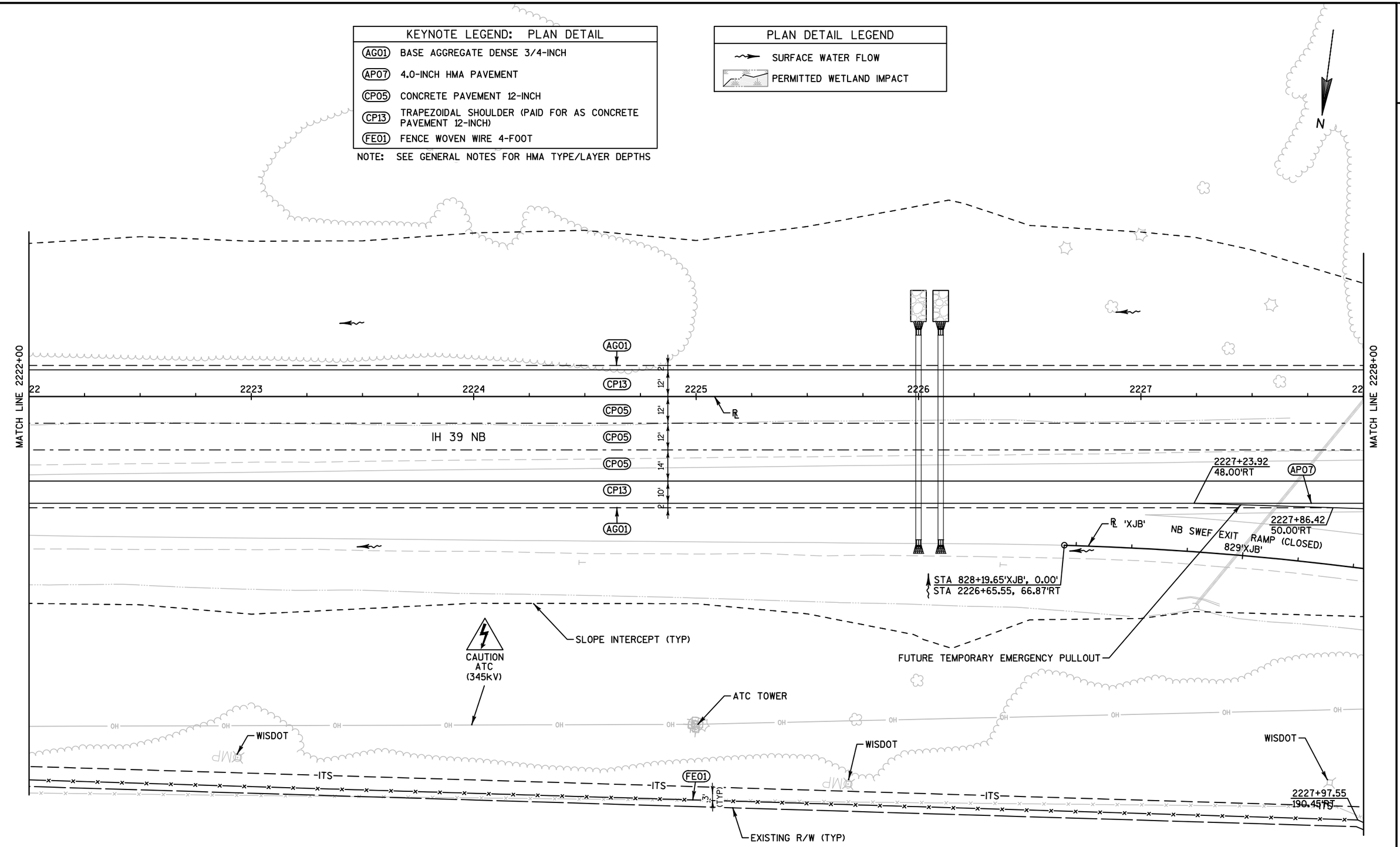
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 06 OF 34	SHEET 43	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/9/2017 5:35 PM PLOT BY : SEH LAYOUT NAME : 06 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS

2

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

MATCH LINE 2228+00

MATCH LINE 2234+00

2228 2229 2230 2231 2232 2233 22

IH 39 NB

AG01 2'
CP13 12'
CP05 12'
CP05 12'
CP05 14'
CP13 10'
AP07 VAR 0.0'-13.0'

13'

R

WISDOT

2231+30.17
61.00'RT

FUTURE TEMPORARY EMERGENCY PULLOUT

830'XJB'

831'XJB'

NB SWEF EXIT RAMP (CLOSED)

832'XJB'

R 'XJB'

833'XJB'

834'XJB'

835'XJB'

SLOPE INTERCEPT (TYP)

ATC TOWER

WISDOT

WISDOT

CAUTION
ATC
(345kV)

NB SWEF TERMINAL (CLOSED)
(A.K.A. UTICA SCALE #17)

WISDOT

-ITS-

3.0' (TYP)

FE01

EXISTING R/W (TYP)

N

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

(SEE BOTTOM PANEL ON PAGE 32 OF 34)

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\10071176\SEC 0

2

SLOPE INTERCEPT (TYP)

FUTURE TEMPORARY EMERGENCY PULLOUT
(ALIGNED TO FUTURE TRAFFIC CONTROL ALIGNMENT)

N

MATCH LINE 2234+00

MATCH LINE 2240+00

AG01 2'

2234+79.72
12.00'LT

2235+66.20
14.00'LT

AP07	VAR	0.0'-13.2'	
CP13	12'		
CP05	12'		
CP05	12'		
CP05	14'		
CP13	10'		
AP07	VAR	13.0'-0.0'	

2234 2235 2236 2237 2238 2239 22

℄

IH 39 NB

13'

2235+80.17
61.00'RT

FUTURE TEMPORARY EMERGENCY PULLOUT

WISDOT

CAUTION
ATC
(345kV)

WISDOT

WISDOT

NB SWEF TERMINAL (CLOSED)
(A.K.A. UTICA SCALE #17)

℄ 'XJB'

℄ 'XJA'

836'XJB' 837'XJB' 838'XJB' 839'XJB' 840'XJB' 840'XJA' 841'XJA'

853'EDS' 852'EDS' 850'EDS' 849'EDS' 848'EDS' ℄ 'EDS' 847'EDS' 846'EDS'

ALLIANT ENERGY

WISDOT

INL

PLAN DETAIL LEGEND

- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

(SEE TOP PANEL ON PAGE 33 OF 34)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 08 OF 34	SHEET 45	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/9/2017 5:36 PM PLOT BY : SEH LAYOUT NAME : 08 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

SLOPE INTERCEPT (TYP)

FUTURE TEMPORARY EMERGENCY PULLOUT
(ALIGNED TO FUTURE TRAFFIC CONTROL ALIGNMENT)

2240+50.09
25.19'LT

R=29954.00'

2242+75.24
26.84'LT

2243+50.00
12.00'LT

ENC=-2.00%
2243+93.08

LC=-2.00%
2245+13.08

2245+00.37
30.18'LT

N

MATCH LINE 2240+00

MATCH LINE 2246+00

AP07 CP13 CP05 CP05 CP05 CP13 AG01

AP07 AP24

VARIES
13.2'-18.2'

12' 12' 12' 14' 10' 2'

2240 2241 2242 2243 2244 2245 2246

957.50	957.45	957.48	957.50	957.53	957.55	957.55	957.53	957.50
957.98	957.90	957.83	957.75	957.68	957.60	957.53	957.46	957.38
958.22	958.13	958.01	957.88	957.76	957.63	957.51	957.38	957.26
957.98	957.89	957.77	957.64	957.52	957.39	957.27	957.14	957.02
957.70	957.61	957.49	957.36	957.24	957.11	956.99	956.86	956.74
957.30	957.21	957.09	956.96	956.84	956.71	956.59	956.46	956.34

IH 39 NB

2240+52.78
50.00'RT

2241+25.02
48.00'RT

WISDOT

ATC TOWER

CAUTION
ATC
(345kV)

WISDOT

WISDOT

842'XJA'

843'XJA'

℄ 'XJA'

844'XJA'

845'XJA'

846'XJA'

NB SWEF ENTRANCE RAMP (CLOSED)
847'XJA'

SCALE

WISDOT

AT&T

843'EDS'

WISDOT

ALLIANT ENERGY

NB SWEF TERMINAL (CLOSED)
(A.K.A. UTICA SCALE #17)

℄ 'EDS'

WISDOT

844'EDS'

845'EDS'

ITS

EXISTING R/W (TYP)

FE03

FE01

PLAN DETAIL LEGEND

- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
AP24	6.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
FE03	TEMPORARY SNOW FENCE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

(SEE BOTTOM PANEL ON PAGE 33 OF 34)

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
AP24	6.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
FE03	TEMPORARY SNOW FENCE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

N

R=5714.85'
BFS=-3.40%
2247+17.08

FUTURE TEMPORARY EMERGENCY PULLOUT
(ALIGNED TO FUTURE TRAFFIC CONTROL ALIGNMENT)

2247+03.25
25.52'LT

2248+74.25
20.00'LT

2249+05.54
19.00'LT

VARIES
18.2'-7.0'

MATCH LINE 2246+00

MATCH LINE 2252+00

IH 39 NB

NB SWEF ENTRANCE RAMP (CLOSED)
848'XJA'

849'XJA'

850'XJA'

℄ 'XJA'

851'XJA'

STA 851+28.73'XJA', 0.00'
STA 2249+74.70, 51.99'RT

SLOPE INTERCEPT (TYP)

2248+04.49
126.36'RT

ATC TOWER

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

CAUTION
ATC
(345kV)

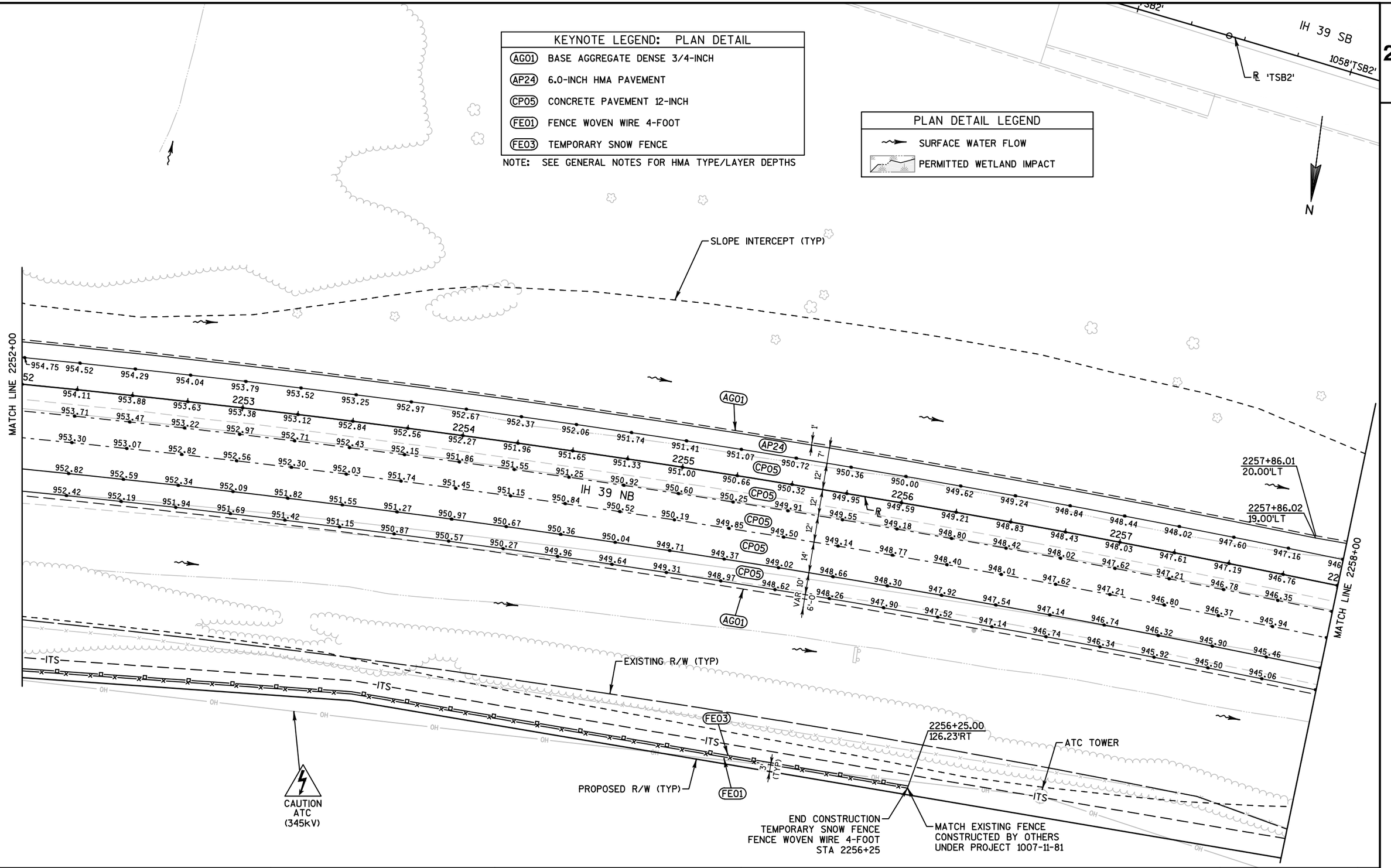
ALLIANT ENERGY

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 10 OF 34	SHEET 47	E

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
FE03	TEMPORARY SNOW FENCE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 11 OF 34	SHEET 48	E

IH 39 SB

1059'TSB2' 1060'TSB2' 1061'TSB2' 1062'TSB2' 1063'TSB2' 1064'TSB2'

℄ 'TSB2'

N

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

FUTURE TEMPORARY RAMP

2261+15.00 31.00'LT
2261+15.00 30.00'LT

R=5633.61'

AG01 AP24 CP05

VAR 7'-18'

1" 12' 12' 12' 14' 10' 2'

2259+50.52 24.50'LT

MATCH LINE 2258+00

IH 39 NB

MATCH LINE 2264+00

SLOPE INTERCEPT (TYP)

CAUTION ATC (345kV)

-ITS- -ITS- -ITS-

OH

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

SB ENTRANCE RAMP

IH 39 SB

1065'TSB2' 1066'TSB2' 1067'TSB2' 1068'TSB2' 1069'TSB2' 1070'TSB2'

℄ 'TSB2'

N

PLAN DETAIL LEGEND

SURFACE WATER FLOW

PERMITTED WETLAND IMPACT

MATCH LINE 2264+00

2264+15.82
31.00'LT
2264+15.77
30.00'LT

AG01 AP24 CP05 AG01

1" VAR 18'-21.7" 12' 12' 12' 14' 10' 2'

R=5636.56'

FUTURE TEMPORARY RAMP

2265+07.86
31.84'LT

2265+99.98
34.70'LT

2266+00.00
33.70'LT

END CONSTRUCTION
STA 2266+00.00
BEGIN EXCEPTION TO NET
CENTERLINE LENGTH
BEGIN CONSTRUCTION BY
OTHERS UNDER PROJECT
1007-11-81

2266+00.00
12.00'LT

2265 2266 2267 2268 2269 2270

℄

932.64 931.95 931.26 930.56 929.84 929.12 928.39 927.65
932.91 932.23 931.55 930.85 930.15 929.43 928.71 927.98 927.24
932.50 931.82 931.14 930.44 929.74 929.03 928.31 927.57 926.83
932.09 931.41 930.73 930.03 929.33 928.62 927.90 927.16 926.43
930.94 930.25 929.56 928.86 928.14 927.42 926.69 925.95
931.61 931.21 930.54 929.85 929.16 928.46 927.74 927.02 926.29 925.55

IH 39 NB

2266+00.00
12.00'RT

2266+00.00
24.00'RT

2266+00.00
38.00'RT

2266+00.00
48.00'RT

2266+00.00
50.00'RT

S-13-463
(BY OTHERS)

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

SLOPE INTERCEPT (TYP)

CAUTION
ATC
(345kV)

ATC TOWER

-ITS- -ITS- -ITS- -ITS-

END ITS CONSTRUCTION
STA 2272+37, 141' RT
(SEE ITS PLAN)

OH OH OH OH OH OH OH

EXISTING R/W (TYP)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 13 OF 34	SHEET 50	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/10/2017 12:20 PM PLOT BY : SEH LAYOUT NAME : 13 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

PLAN DETAIL LEGEND

SURFACE WATER FLOW

PERMITTED WETLAND IMPACT

WILLIAMS DR

49'WD'

50'WD'

51'WD'

52'WD'

℄ 'WD'
SEE PROJECT
1007-10-87

DELINEATED
WETLAND (TYP)

N

1119'TSB2' 1120'TSB2' 1121'TSB2' 1122'TSB2' 1123'TSB2' 1124'TSB2' 1125'

IH 39 SB

℄ 'TSB2'

B-13-721
EXISTING

BEGIN CONSTRUCTION
STA 2323+00.00
END EXCEPTION TO NET
CENTERLINE LENGTH
END CONSTRUCTION BY
OTHERS UNDER PROJECT
1007-11-81

2318 2319 2320 2321 2322 2323 2324

℄

IH 39 NB

2323+00.01 18.92'LT	AG01		1'	VARIES 5.9'-0.0'
2323+00.00 17.92'LT	AP24			
2323+00.00 12.00'LT	CP13		12'	
2323+00.00 12.00'RT	CP05		12'	
2323+00.00 24.00'RT	CP05		12'	
2323+00.00 38.00'RT	CP05		14'	
2323+00.00 48.00'RT	CP05	CP13	VAR. 10'	
2323+00.00 59.23'RT	CP13	CP13	12'-2"	
2323+00.00 60.23'RT		AG01		
2323+50.00 38.00'RT				

2322+30.63
62.00'RT

MATCH LINE 2324+00

ALLIANT ENERGY

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

CAUTION
ATC
(345kV)

ATC TOWER

OH

WILLIAMS DR

DELINEATED
WETLAND (TYP)

SLOPE INTERCEPT (TYP)

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 14 OF 34	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/10/2017 12:42 PM PLOT BY : SEH LAYOUT NAME : 14 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

2

PROPOSED R/W (TYP)

N

TSB2' 1126'TSB2' 1127'TSB2' 1128'TSB2' 1129'TSB2' 1130'TSB2' 1131'T

IH 39 SB

℄ 'TSB2'

1129+88.30'TSB2'
40.83'RT
CB98

2326+78.80
14.00'LT
AG01
AP24

VARIES
5.9'-0.0'

1"

2327+80.22
12.00'LT

2'

AG01
2328+70.00
14.00'LT
AP07
CC01
2329+00.00
13.00'LT
CB98

MATCH LINE 2324+00

24 2325 2326 2327 2328 2329

CP13 12'
CP05 12'
IH 39 NB
CP05 12'
CP05 14'
CP13 10'
2'

℄

TEMPORARY SHORING LEFT IN PLACE (SEE STRUCTURE PLAN) (SEE CONSTRUCTION DETAIL - C-13-3089 MEDIAN GRADING)

MATCH LINE 2330+00

CP13
AG01
2325+30.63
48.00'RT
2325+55.55
50.00'RT
2325+30.63
50.00'RT

C-13-3089 STG 2 REQUIRED
(SEE STRUCTURE PLAN)

SLOPE INTERCEPT (TYP)

RIPRAP HEAVY
(SEE STRUCTURE PLAN)

DELINEATED
WETLAND (TYP)

CAUTION
ATC
(345kV)

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
AP24	6.0-INCH HMA PAVEMENT
CB98	CONCRETE BARRIER TEMPORARY PRECAST, LEFT IN PLACE
CC01	CRASH CUSHIONS PERMANENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND
SURFACE WATER FLOW
PERMITTED WETLAND IMPACT

ATC TOWER

EXISTING R/W (TYP)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 15 OF 34	SHEET E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/10/2017 12:43 PM PLOT BY : SEH LAYOUT NAME : 15 PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007100 SEC 02 TYPICAL SECTIONS & DETAILS

2

PLAN DETAIL LEGEND

- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB98	CONCRETE BARRIER TEMPORARY PRECAST, LEFT IN PLACE
CC01	CRASH CUSHIONS PERMANENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
FE03	TEMPORARY SNOW FENCE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

N

PROPOSED R/W (TYP)

'TSB2' 1132'TSB2' 1133'TSB2' 1134'TSB2' 1135'TSB2' 1136'TSB2' 1137'

IH 39 SB

℄ 'TSB2'

CB98

1133+63.51'TSB2'
32.16'RT

CC01

CB98 AP07 2333+25.00
13.00'LT
2333+55.00
14.00'LT
AP07

MATCH LINE 2330+00

30 2331 2332 2333 2334 2335 23

MATCH LINE 2336+00

TEMPORARY SHORING LEFT IN PLACE (SEE STRUCTURE PLAN) (SEE CONSTRUCTION DETAIL - C-13-3089 MEDIAN GRADING)

IH 39 NB

CP13	2'	
CP05	12'	
CP05	12'	
CP05	14'	
CP13	10'	
AG01	2'	

℄

C-13-3089 STG 2 REQUIRED
(SEE STRUCTURE PLAN)

RIPRAP HEAVY
(SEE STRUCTURE PLAN)

SLOPE INTERCEPT (TYP)

DELINEATED
WETLAND (TYP)

BEGIN CONSTRUCTION
FENCE WOVEN WIRE 4-FOOT
STA 2331+23

FE01

3" (TYP)

CAUTION
ATC
(345kV)

BEGIN CONSTRUCTION
TEMPORARY SNOW FENCE
STA 2335+00, RT

FE03

2335+42.76
117.86'RT

3" (TYP)

FE01

2331+23.03
134.06'RT

MATCH EXISTING FENCE
CONSTRUCTED BY OTHERS
UNDER PROJECT 1007-11-81

EXISTING R/W (TYP)

OH

BILLBOARD 16 SIGN

ATC TOWER

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 16 OF 34	SHEET 53	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS

2

PROPOSED R/W (TYP)

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
FE03	TEMPORARY SNOW FENCE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

N

IH 39 SB

TSB2' 1138'TSB2' 1139'TSB2' 1140'TSB2' ℄ 'TSB2' 1141'TSB2' 1142'TSB2' 1143

MATCH LINE 2336+00

36 2337 2338 2339 2340 2341 23

MATCH LINE 2342+00

IH 39 NB

AG01 2'
CP13 12'
CP05 12'
CP05 12'
CP05 14'
CP13 10'
AG01 2'

2340+62.50
48.00'RT

2341+25.00
50.00'RT

AP07

FUTURE TEMPORARY EMERGENCY PULLOUT

SLOPE INTERCEPT (TYP)

OH

FE03

FE01

3' (TYP)

EXISTING R/W (TYP)

CAUTION
ATC
(345kV)

PROJECT NO:1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 17 OF 34	SHEET 54	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/9/2017 5:38 PM PLOT BY : SEH LAYOUT NAME : 17 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
FE03	TEMPORARY SNOW FENCE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

SURFACE WATER FLOW

PERMITTED WETLAND IMPACT

N

IH 39 SB

IH 39 NB

1144'TSB2' 1145'TSB2' 1146'TSB2' 1147'TSB2' 1148'TSB2'

℄ 'TSB2'

MATCH LINE 2342+00

MATCH LINE 2348+00

2342 2343 2344 2345 2346 2347

AG01 2'

CP13 12'

CP05 12'

CP05 12'

CP05 14'

CP13 10'

AP07 VARIES 0.0'-14.0'

R=2504.26'

2342+81.28
55.00'RT

2345+00.00
62.00'RT

FUTURE TEMPORARY EMERGENCY PULLOUT

SLOPE INTERCEPT (TYP)

OH

ATC TOWER

CAUTION
ATC
(345kV)

EXISTING R/W (TYP)

FE03 FE01

3'-0" (TYP)

2344+66.63
189.84'RT

PROJECT NO:1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 18 OF 34	SHEET 55	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/9/2017 5:38 PM PLOT BY : SEH LAYOUT NAME : 18 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
FE03	TEMPORARY SNOW FENCE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

952'XJC'
℄ 'XJC'
SB ENTRANCE RAMP
IH 39 SB
9'TSB2'
1151'TSB2'
1152'TSB2'
℄ 'TSB2'
1153'TSB2'
1154'TSB2'
N
MATCH LINE 2348+00
2348
2349
2350
2351
2352
2353
MATCH LINE 2354+00
AG01
CP13
CP05
CP05
CP05
CP13
AP07
2'
12'
12'
12'
14'
10'
VAR 4'-0"
℄
IH 39 NB
2349+50.00
62.00'RT
FUTURE TEMPORARY EMERGENCY PULLOUT
SLOPE INTERCEPT (TYP)
OH
CAUTION ATC (345kV)
ATC TOWER
2349+64.06
188.06'RT
FE03
FE01
3'
EXISTING R/W (TYP)

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 19 OF 34	SHEET 56	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG | PLOT DATE : 10/9/2017 5:38 PM | PLOT BY : SEH | LAYOUT NAME : 19 | PLOT SCALE : 1.0 IN = 40.0 FT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
FE03	TEMPORARY SNOW FENCE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

IH 39 SB

IH 39 NB

5'TSB2' 1156'TSB2' 1157'TSB2' 1158'TSB2' 1159'TSB2' 1160'TSB2' 'TSB2'

FUTURE TEMPORARY EMERGENCY PULLOUT

2359+99.96
26.50'LT

2356+09.34
14.00'LT

2355+46.84
12.00'LT

2354+75.00
50.00'RT

2355+62.50
48.00'RT

2354+64.07
148.12'RT

MATCH LINE 2354+00

MATCH LINE 2360+00

2355 2356 2357 2358 2359

12' VAR 0'-14.5'
12'
12'
14'
10'
2'

SLOPE INTERCEPT (TYP)

3' (TYP)

ATC TOWER

EXISTING R/W (TYP)

CAUTION
ATC
(345kV)

PROJECT NO:1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 20 OF 34	SHEET 57	E

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
FE03	TEMPORARY SNOW FENCE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

IH 39 SB

1161'TSB2' 1162'TSB2' 1163'TSB2' 1164'TSB2' ℄ 'TSB2' 1165'TSB2' 1166'TSB2'

FUTURE TEMPORARY EMERGENCY PULLOUT

2364+50.04
26.50'LT

AP07 14.5'
CP13 12' 2364 ℄
CP05 12' 2365
CP05 12'
CP05 14'
CP13 10'
2'
AG01

MATCH LINE 2360+00

2360 2361 2362 2363

IH 39 NB

MATCH LINE 2366+00

SLOPE INTERCEPT (TYP)

CAUTION
ATC
(345kV)

FE03
3'
(TYP)
FE01

EXISTING R/W (TYP)

BILLBOARD

ATC TOWER

OH

N

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 21 OF 34	SHEET 58	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/9/2017 5:39 PM PLOT BY : SEH LAYOUT NAME : 21 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP05	CONCRETE PAVEMENT 12-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
FE03	TEMPORARY SNOW FENCE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

970'XJD' 971'XJD' 972'XJD' 973'XJD' R 'XJD'

SB EXIT RAMP

IH 39 SB

7'TSB2' 1168'TSB2' 1169'TSB2' 1170'TSB2' 1171'TSB2' 1172'TSB2' 1173' R 'TSB2'

IH 39 NB

FUTURE TEMPORARY EMERGENCY PULLOUT

AP07

2368+40.66 14.00'LT

2369+03.16 12.00'LT

AG01 CP13 CP05 CP05 CP05 CP13 AG01

2' 12' 12' 12' 14' 10' 2'

2367 2368 2369 2370 2371 2372

MATCH LINE 2366+00

MATCH LINE 2372+00

ENC=-2.00% 2371+26.71

893.04 893.17 893.37 893.58 893.78

893.52 893.65 893.78 893.90

893.76 893.89 893.98 894.06

893.52 893.65 893.74 893.82

893.24 893.37 893.46 893.54

892.84 892.97 893.06 893.14

SLOPE INTERCEPT (TYP)

END CONSTRUCTION TEMPORARY SNOW FENCE STA 2367+00, RT

FE03 FE01

3' (TYP) 3' (TYP)

CAUTION ATC (345kV)

EXISTING R/W (TYP)

OH

SCALE

N

PROJECT NO:1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 22 OF 34	SHEET 59	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/9/2017 5:39 PM PLOT BY : SEH LAYOUT NAME : 22 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CC01	CRASH CUSHIONS PERMANENT
CP05	CONCRETE PAVEMENT 12-INCH
CP12	CONCRETE PAVEMENT 12 1/2-INCH
CP13	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12-INCH)
CP15	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12 1/2-INCH)

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND
- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

WISDOT

℄ 'XJD'

SB EXIT RAMP

IH 39 SB

℄ 'TSB2'

STA 2373+00
END CONSTRUCTION
CONCRETE PAVEMENT 12-INCH
BEGIN CONSTRUCTION
CONCRETE PAVEMENT 12 1/2-INCH

MATCH LINE 2372+00

MATCH LINE 2378+10

LC=-2.00%
2372+76.71

BFS=-4.00%
2375+76.71

2376+00.00
67.18'LT

2375+60.39
44.78'LT

2376+39.66
39.54'LT

2375+60.32
37.00'LT

2376+39.68
37.00'LT

2376+00.00
12.00'LT

2376+79.15
14.00'LT

2377+50.36
12.00'LT

2377+90.08
21.42'LT

2377+80.28
14.00'LT

2377+80.28
13.00'LT

R=25.0'

15.0'

IH 39 NB

SLOPE INTERCEPT (TYP)

FE01

3' (TYP)

ATC TOWER

EXISTING R/W (TYP)

CAUTION
ATC
(345kV)

SEPTIC

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 23 OF 34	SHEET 60	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG | PLOT DATE : 10/9/2017 5:39 PM | PLOT BY : SEH | LAYOUT NAME : 23 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB01	CONCRETE BARRIER TYPE S42
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CC01	CRASH CUSHIONS PERMANENT
CP12	CONCRETE PAVEMENT 12 1/2-INCH
FE01	FENCE WOVEN WIRE 4-FOOT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND
- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

N

PROPOSED R/W (TYP)

WISDOT

IH 39 SB

IH 39 NB

MATCH LINE 2378+10

MATCH LINE 2384+00

1180'TSB2'
1181'TSB2'
1182'TSB2'
1183'TSB2'
1184'TSB2'
1185'TSB2'

1179+28.13'TSB2'
29.00'RT
CB98 (PINNED)
2378+80.46
16.33'LT
2378+80.00
14.33'LT
2378+80.00
12.00'LT
2378+80.00
13.00'LT
2378+80.00
11.67'LT
2378+40.08
16.42'LT
2378+40.08
12.00'LT

29'
2.67' (TYP)
2' (TYP)
11.67' (TYP)
12'
14'
2.10'

AG01
CB01
CP12
CB98 (PINNED)

898.02 898.13 898.23 898.30 898.38 898.42 898.46 898.48 898.48 898.47 898.44 898.39 898.34 898.26 898.18 898.07 897.95 897.82 897.67 897.50
897.65 897.77 897.93 898.01 898.12 898.22 898.29 898.36 898.41 898.45 898.46 898.47 898.46 898.43 898.38 898.33 898.25 898.17 898.06 897.94 897.80 897.65 897.49
2379 2380 2381 2382 2383
897.17 897.29 897.42 897.54 897.65 897.75 897.83 897.90 897.94 897.98 898.00 898.00 897.99 897.96 897.92 897.86 897.78 897.70 897.59 897.47 897.34 897.19 897.02
896.69 896.81 896.94 897.06 897.17 897.27 897.35 897.42 897.46 897.50 897.52 897.52 897.51 897.48 897.44 897.38 897.30 897.22 897.11 896.99 896.86 896.71 896.54
896.21 896.33 896.46 896.58 896.69 896.79 896.87 896.94 896.98 897.02 897.04 897.04 897.03 897.00 896.96 896.90 896.82 896.74 896.63 896.51 896.38 896.23 896.06
895.65 895.77 895.90 896.02 896.13 896.23 896.31 896.38 896.42 896.46 896.48 896.48 896.47 896.44 896.40 896.34 896.26 896.18 896.07 895.95 895.82 895.67 895.50
895.25 895.37 895.50 895.62 895.73 895.83 895.91 895.98 896.02 896.06 896.08 896.08 896.07 896.04 896.00 895.94 895.86 895.78 895.67 895.55 895.42 895.27 895.10

2382+13.34
48.00'RT
2382+05.55
50.00'RT
CC01
ESC
2383+11.87
53.00'RT
2383+11.87
54.50'RT
2383+11.87
57.00'RT
2383+37.15
51.00'RT
2383+37.21
52.50'RT
2383+42.78
52.50'RT
CB98
AP07

SLOPE INTERCEPT (TYP)
2380+82.17
109.55'RT
FE01
ATC TOWER
CAUTION
ATC
(345kV)
R=5552.60'
2383+35.65
121.53'RT
EXISTING R/W (TYP)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 24 OF 34	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007\1001\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/9/2017 5:40 PM PLOT BY : SEH LAYOUT NAME : 24 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB01	CONCRETE BARRIER TYPE S42
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CP12	CONCRETE PAVEMENT 12 1/2-INCH
CP15	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12 1/2-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
PV01	CONCRETE PAVEMENT APPROACH SLAB
PV11	CONCRETE SURFACE DRAINS (SEE CONSTRUCTION DETAIL)
TS01	TEMPORARY SHORING, LEFT IN PLACE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

SURFACE WATER FLOW

PERMITTED WETLAND IMPACT

PROPOSED R/W (TYP)

IH 39 SB

IH 39 NB

MATCH LINE 2384+00

MATCH LINE 2390+00

CTH MN

WISDOT

WINDSTREAM

WINDSTREAM B-13-140 EXISTING

ALLIANT ENERGY

TRANSITION TO TIED-DOWN SYSTEM SEE SDD, "CONCRETE BARRIER TEMPORARY PRECAST"

TRANSITION TO TIED-DOWN SYSTEM SEE SDD, "CONCRETE BARRIER TEMPORARY PRECAST"

TRANSITION TO TIED-DOWN SYSTEM SEE SDD, "CONCRETE BARRIER TEMPORARY PRECAST"

1187+36.82'TSB2' 36.50'LT

1187+36.82'TSB2' 35.00'LT

1186+96.91'TSB2' 34.00'LT

1187+36.81'TSB2' 32.00'LT

1188+78.65'TSB2' 35.00'LT

1189+73.08'TSB2' 34.50'LT

1189+73.02'TSB2' 33.00'LT

1189+48.08'TSB2' 36.50'LT

1189+48.02'TSB2' 35.00'LT

1189+85.19'TSB2' 34.50'LT

1189+85.19'TSB2' 33.00'LT

1189+85.19'TSB2' 32.33'LT

1186'TSB2'

1187'TSB2'

1188'TSB2'

1189'TSB2'

1190'TSB2'

2384+45.13 16.33'LT

2385+25.00 16.00'LT

1186+38.73'TSB2' 29.00'RT

1187+43.05'TSB2' 28.92'RT

1187+93.01'TSB2' 26.92'RT

1188+92.70'TSB2' 27.00'RT

1188+78.57'TSB2' 27.00'RT

1188+98.80'TSB2' 28.00'RT

2387+96.85 12.00'LT

1189+70.25'TSB2' 28.00'RT

1190+29.89'TSB2' 28.00'RT

2389+90.29 16.33'LT

1191+00.40'TSB2' 28.00'RT

1190+99.81'TSB2' 27.00'RT

2389+59.34 16.00'LT

2389+56.11 12.00'LT

2389+41.74 0.00'

2387+94.24 16.00'LT

2387+83.43 0.00'

2387+25.14 38.00'RT

2387+37.90 38.00'RT

2388+96.24 38.00'RT

2389+54.40 38.00'RT

2387+15.52 49.00'RT

2387+28.16 49.00'RT

2386+90.24 51.00'RT

2389+03.51 45.00'RT

2388+45.98 73.49'RT

2386+14.59 100.00'RT

2386+93.04 100.00'RT

2388+14.28 100.00'RT

2385+74.85 130.40'RT

2388+21.49 178.14'RT

CB98 (PINNED)

EFS=-4.00% 2386+40.36

MAN=-3.50% 2386+77.96

R 'TSB2'

R 'MN'

29'

2.67'

11.67'

12'

14'

10'

4.5'

50'MN

49'MN

CAUTION

SLOPE INTERCEPT (TYP)

3' (TYP)

3:1 (TYP)

FRONTIER COM (T) CHARTER (FO)

GRADE TO DRAIN

CAUTION ATC (345kV)

ATC TOWER

EXISTING R/W (TYP)

R-13-261 STAGE 1 REQ'D (SEE STRUCTURE PLAN)

B-13-723 REQ'D (SEE STRUCTURE PLAN)

R-13-260 STAGE 1 REQ'D (SEE STRUCTURE PLAN)

NOTE: SEE PAGE 34 OF 34 FOR CTH MN DETAILS

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 25 OF 34	SHEET 62	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/12/2017 8:05 AM PLOT BY : SEH LAYOUT NAME : 25 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\NDANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS

NOTE: SEE PAGE 34 OF 34 FOR CTH MN DETAILS

CAUTION
ALLIANT ENERGY
WINDSTREAM
CTH MN
NW18°
℄ 'MN'
ALLIANT ENERGY
TLE (TYP)
PROPOSED R/W (TYP)
WISDOT
FRONTIER COM (T)
CHARTER (FO)

PLAN DETAIL LEGEND
- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

1191+57.88'TSB2' 34.51'LT
1191+57.88'TSB2' 33.00'LT
1191+57.88'TSB2' 32.00'LT
1191+70.32'TSB2' 34.50'LT
1191+95.32'TSB2' 36.50'LT
1191+70.38'TSB2' 33.00'LT
1191+95.38'TSB2' 35.00'LT
TRANSITION TO TIED-DOWN SYSTEM SEE SDD, "CONCRETE BARRIER TEMPORARY PRECAST"

AP07 CB98 4.5"

LC=-2.00% 2392+32.50
IH 39 SB
℄ 'TSB2'
1192'TSB2' 1193'TSB2' 1194'TSB2' 1195'TSB2' 1196'TSB2' 1197'TSB2'
(NB TEMP SHORING, PG 25)
(PINNED) CB98 27' 2.67'
TS01
BNC=-2.00% 2393+82.50

MATCH LINE 2390+00

2390	2391	2392	2393	2394	2395
887.57 886.95 886.31 885.65 884.97 884.29 883.58 882.87 882.14 881.36 880.57 879.78 878.99 878.20 877.41 876.68					
887.56 886.94 886.30 885.65 884.97 884.29 883.58 882.87 882.14 881.37 880.57 879.79 879.00 878.21 877.42 876.69					
887.23 886.66 886.05 885.44 884.80 884.16 883.49 882.82 882.13 881.42 880.71 880.00 879.29 878.58 877.87 877.16					
886.90 886.36 885.80 885.23 884.63 884.03 883.40 882.77 882.11 881.45 880.78 880.11 879.44 878.77 878.10 877.40					
886.57 886.07 885.55 884.99 884.39 883.79 883.16 882.53 881.87 881.21 880.54 879.87 879.20 878.53 877.86 877.16					
886.18 885.73 885.26 884.71 884.11 883.51 882.88 882.25 881.59 880.93 880.26 879.59 878.92 878.25 877.58 876.88					
885.81 885.35 884.86 884.31 883.71 883.11 882.48 881.85 881.19 880.53 879.86 879.19 878.52 877.85 877.18 876.48					

CB01 CP12 CP15 AG01
IH 39 NB
12' 11.67' 12' 12' 14' 10' 2'
16.33'
℄

MATCH LINE 2396+00

2395+84.62 50.00'RT

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB01	CONCRETE BARRIER TYPE S42
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CP12	CONCRETE PAVEMENT 12 1/2-INCH
CP15	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12 1/2-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
TS01	TEMPORARY SHORING, LEFT IN PLACE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

2392+13.20 142.00'RT
SLOPE INTERCEPT (TYP)
FE01
3" (TYP)
DELINEATED WETLAND (TYP)
2394+99.86 142.00'RT
EXISTING R/W (TYP)
PROPOSED R/W (TYP)
CAUTION ATC (345kV)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 26 OF 34	SHEET 63	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/12/2017 9:25 AM PLOT BY : SEH LAYOUT NAME : 26 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB01	CONCRETE BARRIER TYPE S42
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CC01	CRASH CUSHIONS PERMANENT
CP12	CONCRETE PAVEMENT 12 1/2-INCH
CP15	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12 1/2-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
PV01	CONCRETE PAVEMENT APPROACH SLAB
PV11	CONCRETE SURFACE DRAINS (SEE CONSTRUCTION DETAIL)
TS01	TEMPORARY SHORING, LEFT IN PLACE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT

MATCH LINE 2396+00

MATCH LINE 2402+00

IH 39 SB

IH 39 NB

DOOR CREEK

WISDOT

TRANSITION TO TIED-DOWN SYSTEM SEE SDD, "CONCRETE BARRIER TEMPORARY PRECAST"

B-13-160 EXISTING

B-13-725 REQ'D (SEE STRUCTURE PLAN)

SLOPE INTERCEPT (TYP)

DELINEATED WETLAND (TYP)

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

ATC TOWER

CAUTION ATC (345kV)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 27 OF 34	SHEET 64	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/12/2017 9:27 AM PLOT BY : SEH LAYOUT NAME : 27 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS &

2

2

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CC01	CRASH CUSHIONS PERMANENT
CP12	CONCRETE PAVEMENT 12 1/2-INCH
CP15	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12 1/2-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
TS01	TEMPORARY SHORING, LEFT IN PLACE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

N

PROPOSED R/W (TYP)

WISDOT

AP07

CB98

1203+90.09'TSB2'
33.46'LT

1203+70.10'TSB2'
32.40'LT

1205+51.94'TSB2'
35.00'LT

3.5'

1208+80.35'TSB2'
35.50'LT

1208+67.91'TSB2'
36.50'LT

1208+30.35'TSB2'
33.00'LT

1208+67.85'TSB2'
35.00'LT

1208+80.35'TSB2'
34.00'LT

IH 39 SB

℄ 'TSB2'

1204'TSB2' 1205'TSB2' 1206'TSB2' 1207'TSB2' 1208'TSB2' 1209'TSB2'

CB98 (PINNED)

TS01

2403+00.00
16.33'LT

VARIES
27.0'-28.8'

1205+15.56'TSB2'
28.76'RT

CC01

2.67'

13'

CP15

11.67'

CB98 (PINNED)

℄

MATCH LINE 2402+00

02 2403 2404 2405 2406 2407 24

MATCH LINE 2408+00

CP12 12'

CP12 12'

CP12 14'

CP15 10'

2

AG01

IH 39 NB

DELINEATED
WETLAND (TYP)

SLOPE INTERCEPT (TYP)

2402+26.26
123.21'RT

FE01

3' (TYP)

ATC TOWER

EXISTING R/W (TYP)

ATC

CAUTION
ATC
(345kV)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 28 OF 34	SHEET 65	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/12/2017 9:34 AM PLOT BY : SEH LAYOUT NAME : 28 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
CB97	MAINTENANCE AND REMOVAL OF CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE BY OTHERS
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CC02	SALVAGED CRASH CUSHIONS
CP12	CONCRETE PAVEMENT 12 1/2-INCH
CP15	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12 1/2-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
FE03	TEMPORARY SNOW FENCE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

N

1211+80.35'TSB2'
37.00'LT

1211+42.85'TSB2'
34.00'LT

CB97 CC02

SCALE

CONC ASPH

IH 39 SB

℄ 'TSB2'

1210'TSB2' 1211'TSB2' 1212'TSB2' 1213'TSB2' 1214'TSB2' 1215'TSB2'

ASPH

CB98 (PINNED)

2.67'

13' CP15 11.67'

MATCH LINE 2408+00

08 2409 2410 2411 2412 2413 24

MATCH LINE 2414+00

CP12 12'

℄

IH 39 NB

CP12 12'

CP12 14'

CP15 10' 2'

AG01

SLOPE INTERCEPT (TYP)

BEGIN CONSTRUCTION
TEMPORARY SNOW FENCE
STA 2412+00, RT

FE01

2412+00.00
123.18'RT

FE03

3' (TYP)

3' (TYP)

FE01

OH

EXISTING R/W (TYP)

ATC TOWER

CAUTION
ATC
(345kV)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 29 OF 34	SHEET 66	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/12/2017 9:35 AM PLOT BY : SEH LAYOUT NAME : 29 PLOT SCALE : 1.0 IN = 40.0 FT

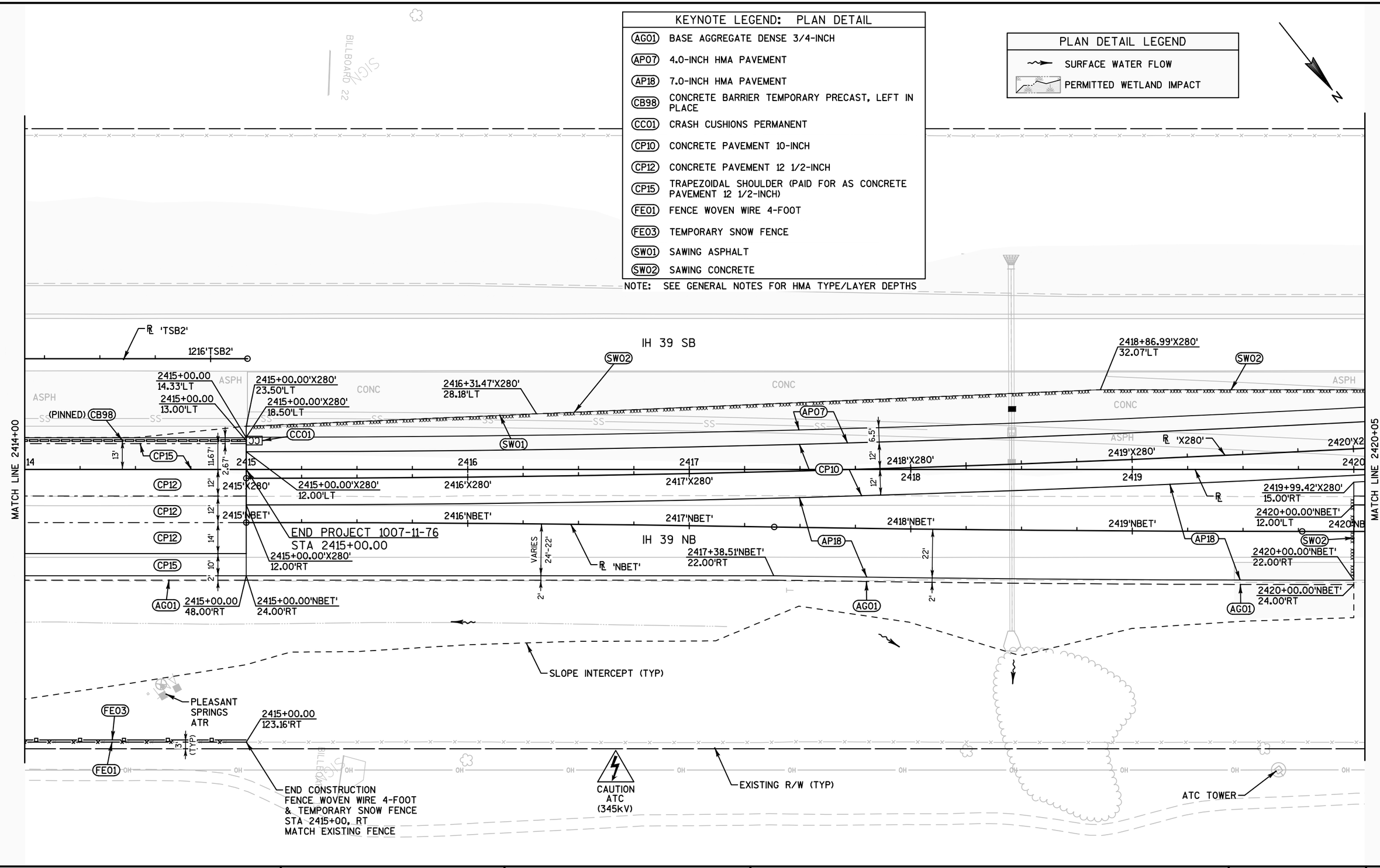
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007\1001\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
AP18	7.0-INCH HMA PAVEMENT
CB98	CONCRETE BARRIER TEMPORARY PRECAST, LEFT IN PLACE
CC01	CRASH CUSHIONS PERMANENT
CP10	CONCRETE PAVEMENT 10-INCH
CP12	CONCRETE PAVEMENT 12 1/2-INCH
CP15	TRAPEZOIDAL SHOULDER (PAID FOR AS CONCRETE PAVEMENT 12 1/2-INCH)
FE01	FENCE WOVEN WIRE 4-FOOT
FE03	TEMPORARY SNOW FENCE
SW01	SAWING ASPHALT
SW02	SAWING CONCRETE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND
- SURFACE WATER FLOW
- PERMITTED WETLAND IMPACT



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 30 OF 34	SHEET 67	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS

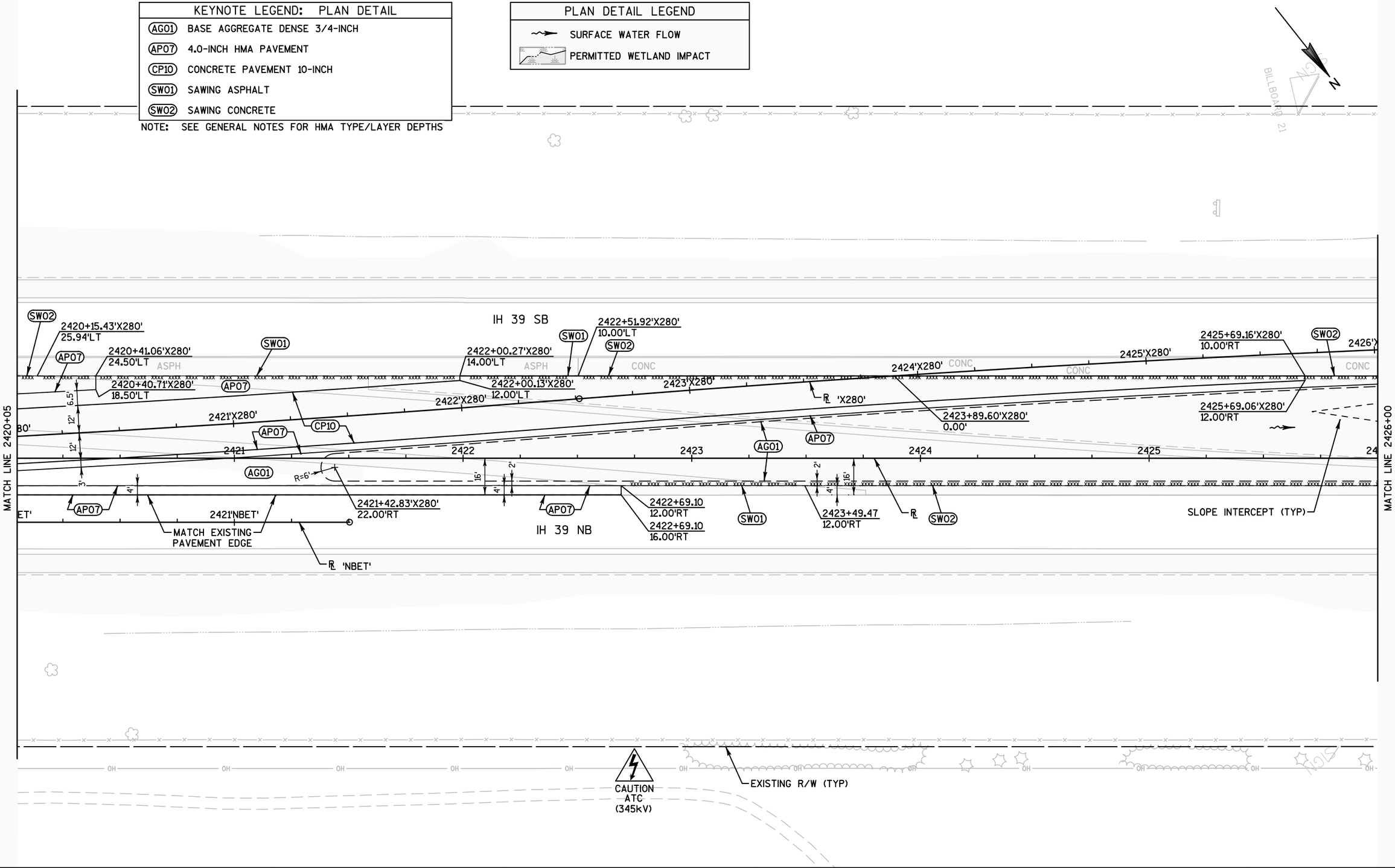
FILE NAME : 021200_PD (PLAN DETAILS NB).DWG PLOT DATE : 10/12/2017 9:37 AM PLOT BY : SEH LAYOUT NAME : 30 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
SW01	SAWING ASPHALT
SW02	SAWING CONCRETE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 31 OF 34	SHEET 68	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG | PLOT DATE : 11/1/2017 11:32 AM | PLOT BY : SEH | LAYOUT NAME : 31 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

2

END CONSTRUCTION
STA 2426+96.18'X280'

2427'X280'

2428'X280'

℄ 'X280'

2429'X280'

2430'X280'

IH 39 SB

SW02

2426+96.18'X280'
15.00'RT

CONC

CONC | ASPH

2427+28.58'X280'
16.00'RT

AP07

AG01

MATCH LINE 2426+00

26

2427

AG01

2428

℄

2429

2430

2431

2432

END CONSTRUCTION
STA 2430+75.32

2430+75.32
10.00'RT

2430+75.32
12.00'RT

SW01

4"

2"

16"

SW02

2428+01.15
12.00'RT

SW01

IH 39 NB

SLOPE INTERCEPT (TYP)

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP07	4.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
SW01	SAWING ASPHALT
SW02	SAWING CONCRETE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

SURFACE WATER FLOW

PERMITTED WETLAND IMPACT

(SEE PAGE 07)

-ITS

V

-ITS

NB SWEF TERMINAL (CLOSED)
(A.K.A. UTICA SCALE #17)

N

EXISTING R/W (TYP)

FE01

-ITS

MATCH LINE (SEE TOP PANEL ON PAGE 33 OF 34)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 32 OF 34	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS NB).DWG
PLOT DATE : 10/9/2017 5:42 PM
PLOT BY : SEH
LAYOUT NAME : 32
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS

(SEE PAGE 08)

NB SWEF TERMINAL (CLOSED)
(A.K.A. UTICA SCALE #17)

N

MATCH LINE (SEE BOTTOM PANEL ON PAGE 32 OF 34)

MATCH LINE (SEE PANEL BELOW)

-ITS-

FE01

2234+86.37
482.94'RT

EXISTING R/W (TYP)

(SEE PAGE 09)

NB SWEF TERMINAL (CLOSED)
(A.K.A. UTICA SCALE #17)

AT&T

BEGIN CONSTRUCTION
TEMPORARY SNOW FENCE
STA 2241+00, RT

FE03

2241+00.14
398.89'RT

2241+58.86
390.85'RT

MATCH LINE (SEE PANEL ABOVE)

KEYNOTE LEGEND: PLAN DETAIL	
FE01	FENCE WOVEN WIRE 4-FOOT
FE03	TEMPORARY SNOW FENCE

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AP26	4.5-INCH HMA PAVEMENT
CB97	MAINTENANCE AND REMOVAL OF CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE BY OTHERS
CC02	SALVAGED CRASH CUSHIONS
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	SURFACE WATER FLOW
	PERMITTED WETLAND IMPACT

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 34 OF 34	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007

FILE NAME : 021201_PD (PLAN DETAILS MN).DWG PLOT DATE : 10/12/2017 10:22 AM PLOT BY : SEH LAYOUT NAME : 34 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

SITE *D12A
0.17 ACRES M(D)
0.07 ACRES SM(D)
0.24 ACRES TOTAL

M(D) = DEGRADED WET MEADOW
SM(D) = DEGRADED SHALLOW MARSH

IH 39 SB

WORK UNDER
PROJECT ID 1007-11-71

RIPRAP HEAVY
L=14 FT
W=7 FT

DELINEATED WETLANDS (TYP)
NOTE, GRAY SHADE DENOTES
PERMITTED WETLAND IMPACT

BEGIN PROJECT 1007-11-76
STA 2195+00

2194 2196 2198 2200 2202 2204 2206

IH 39 NB

MATCH LINE 2208+00

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

EROSION CONTROL LEGEND

- SOIL STABILIZER TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- STONE OR ROCK DITCH CHECKS
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALE
- SILT FENCE RELIEF (ROCK BAGS)

EROSION CONTROL NOTES:

PLACE SALVAGED TOPSOIL, SEED, FERTILIZER AND MULCH WITHIN ANY SURFACE SLOPE INTERCEPT AREAS THAT DO NOT USE EROSION MAT.

DO NOT DRIVE EQUIPMENT OR STORE EQUIPMENT OR MATERIALS IN WETLANDS OR WATERWAYS.

WHEN INLET PROTECTION TYPE A OR B ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT AND USE TYPE B AFTER THE INLET CASTINGS ARE IN PLACE.

PLACE SILT FENCE TWO FEET FROM THE SLOPE INTERCEPT WHERE APPROPRIATE.

RIPRAP HEAVY
L=31 FT
W=11 FT

MATCH LINE 2208+00

2208 2210 2212 2214 2216 2218 2220 2222

IH 39 NB

COMPOST TUBES

MATCH LINE 2223+00

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 01 OF 06	SHEET	E

FILE NAME : 022000_EC (EROSION CONTROL).DWG | PLOT DATE : 10/9/2017 5:46 PM | PLOT BY : SEH | LAYOUT NAME : 022001_EC | PLOT SCALE : 1.0 IN = 100.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117B\SEC 02 TYPICAL SECTIONS & DETAILS

2

RIPRAP MEDIUM
L=14 FT
W=7 FT

RIPRAP MEDIUM
L=14 FT
W=7 FT

SLOPE INTERCEPT (TYP)

RIPRAP HEAVY
L=34 FT
W=8 FT

N

MATCH LINE 2223+00

2224 2226 2228 2230 IH 39 NB 2232 2234 2236 22

MATCH LINE 2238+00

EXISTING R/W (TYP)

EROSION CONTROL LEGEND

- SOIL STABILIZER TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- STONE OR ROCK DITCH CHECKS
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALE
- SILT FENCE RELIEF (ROCK BAGS)

RIPRAP HEAVY
L=14 FT
W=7 FT

RIPRAP HEAVY
L=16 FT
W=8 FT

SLOPE INTERCEPT (TYP)

N

MATCH LINE 2238+00

38 2240 2242 2244 IH 39 NB 2246 2248 2250 2252

MATCH LINE 2253+00

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 02 OF 06	SHEET	E

FILE NAME : 022000_EC (EROSION CONTROL).DWG PLOT DATE : 10/9/2017 5:46 PM PLOT BY : SEH LAYOUT NAME : 022002_EC PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007117B\SEC 02 TYPICAL SECTIONS & DETAILS

EROSION CONTROL LEGEND

- SOIL STABILIZER TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- STONE OR ROCK DITCH CHECKS
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALE
- SILT FENCE RELIEF (ROCK BAGS)

IH 39 SB

IH 39 NB

N

MATCH LINE 2253+00

2254 2256 2258 2260 2262 2264 2266 2268

RIPRAP MEDIUM
L=14 FT
W=7 FT

END CONSTRUCTION
STA 2266+00

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

WILLIAMS DR

WILLIAMS DR

EROSION MAT
CLASS III TYPE C
WITH SOIL STABILIZER TYPE B

2329+72.58
32.82'LT
2329+94.16
24.90'LT

2330+26.56
32.82'LT
2330+06.13
24.80'LT

CC

2318 2320 2322 2324 2326 2328 2330 2332

RIPRAP MEDIUM
L=22 FT
W=6 FT

BEGIN CONSTRUCTION
STA 2323+00

C-13-3089
SIG_2

SLOPE INTERCEPT (TYP)

SITE #D32
0.01 ACRES SS
0.02 ACRES M
0.01 ACRES AB
0.04 ACRES TOTAL

SS = SHRUB SWAMP
M = WET MEADOW
AB = AQUATIC BED

RIPRAP HEAVY
(SEE STRUCTURE PLANS)

DELINEATED WETLANDS (TYP)
NOTE, GRAY SHADE DENOTES
PERMITTED WETLAND IMPACT

MATCH LINE 2333+25

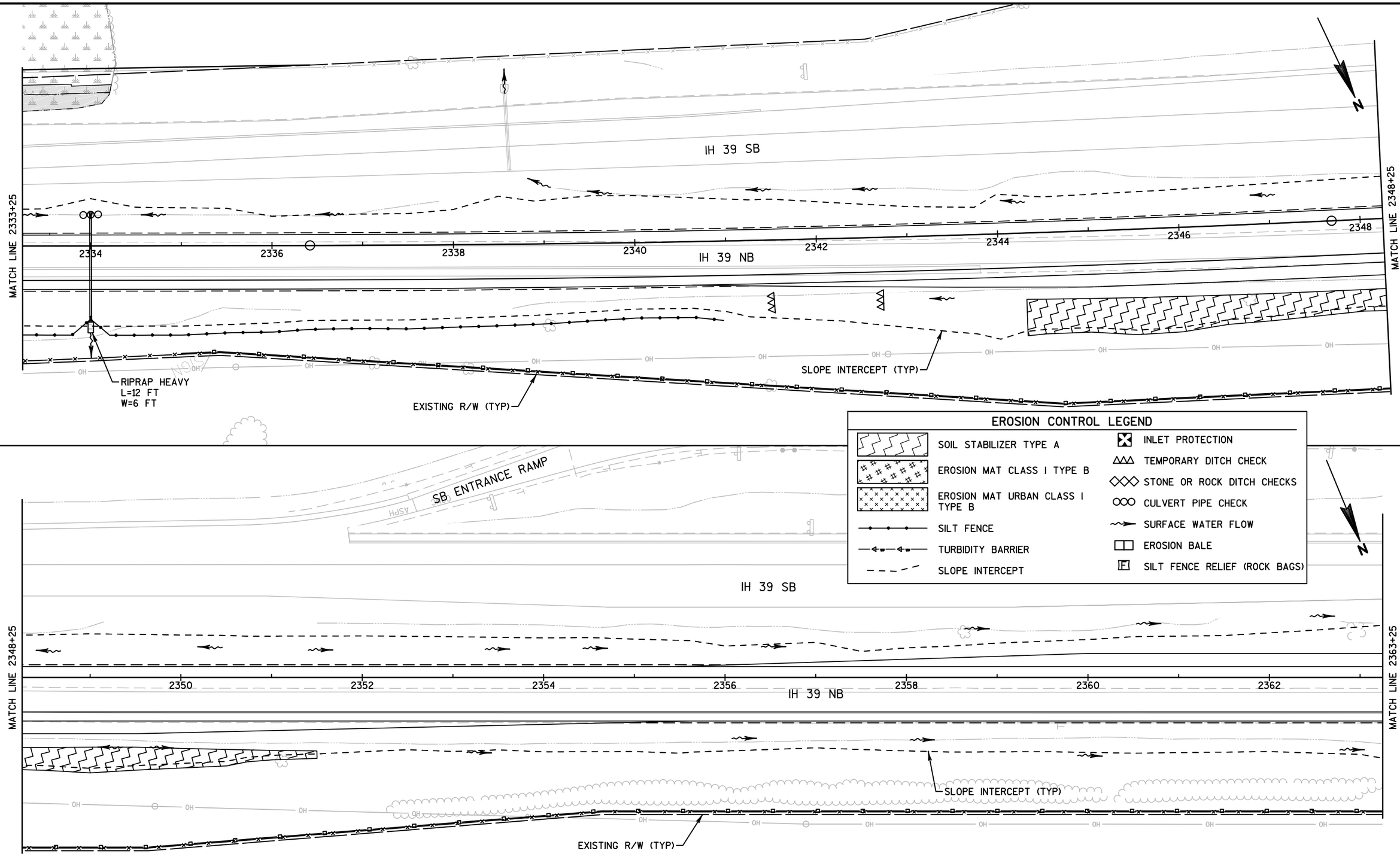
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 03 OF 06	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007117G\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022000_EC (EROSION CONTROL).DWG PLOT DATE : 10/9/2017 5:46 PM PLOT BY : SEH LAYOUT NAME : 022003_EC PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2


IH 39 SB
IH 39 NB
MATCH LINE 2333+25
MATCH LINE 2348+25
2334
2336
2338
2340
2342
2344
2346
2348
RIPRAP HEAVY
L=12 FT
W=6 FT
EXISTING R/W (TYP)
SLOPE INTERCEPT (TYP)
OH
SB ENTRANCE RAMP
ASPH
EROSION CONTROL LEGEND
SOIL STABILIZER TYPE A
EROSION MAT CLASS I TYPE B
EROSION MAT URBAN CLASS I TYPE B
SILT FENCE
TURBIDITY BARRIER
SLOPE INTERCEPT
INLET PROTECTION
TEMPORARY DITCH CHECK
STONE OR ROCK DITCH CHECKS
CULVERT PIPE CHECK
SURFACE WATER FLOW
EROSION BALE
SILT FENCE RELIEF (ROCK BAGS)
N
IH 39 SB
IH 39 NB
MATCH LINE 2348+25
MATCH LINE 2363+25
2350
2352
2354
2356
2358
2360
2362
SLOPE INTERCEPT (TYP)
EXISTING R/W (TYP)

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

SB EXIT RAMP

IH 39 SB

IH 39 NB

MATCH LINE 2363+25

MATCH LINE 2378+25

MATCH LINE 2393+00

2364 2366 2368 2370 2372 2374 2376 2378

2380 2382 2384 2386 2388 2390 2392

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

CTH MN

SEPTIC

MAILBOX

RIPRAP MEDIUM
L=21 FT
W=6 FT

RIPRAP MEDIUM
L=49 FT
W=4 FT

RIPRAP MEDIUM
L=14 FT
W=7 FT

RIPRAP MEDIUM
L=51 FT
W=6 FT

EROSION CONTROL LEGEND

- SOIL STABILIZER TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- STONE OR ROCK DITCH CHECKS
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALE
- SILT FENCE RELIEF (ROCK BAGS)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 05 OF 06	SHEET	E

FILE NAME : 022000_EC (EROSION CONTROL).DWG PLOT DATE : 10/9/2017 5:47 PM PLOT BY : SEH LAYOUT NAME : 022005_EC PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

DOOR CREEK

IH 39 SB

IH 39 NB

MATCH LINE 2393+00

2394 2396 2398 2400 2402 2404 2406 24

MATCH LINE 2408+00

SITE #D30
0.01 ACRES M
0.01 ACRES AB
0.02 ACRES TOTAL

M = WET MEADOW
AB = AQUATIC BED

RIPRAP HEAVY
(SEE STRUCTURE PLANS)

SLOPE INTERCEPT (TYP)

PROPOSED R/W (TYP)

RIPRAP MEDIUM
L=26 FT
W=6 FT

EXISTING R/W (TYP)

RIPRAP HEAVY
(SEE STRUCTURE PLANS)

DOOR CREEK

DELINEATED WETLANDS (TYP)
NOTE, GRAY SHADE DENOTES
PERMITTED WETLAND IMPACT

EROSION CONTROL LEGEND

- SOIL STABILIZER TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- TURBIDITY BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- STONE OR ROCK DITCH CHECKS
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- EROSION BALE
- SILT FENCE RELIEF (ROCK BAGS)

MATCH LINE 2408+00

IH 39 SB

IH 39 NB

2408 2410 2412 2414 2416 2418 2420 2422

END PROJECT 1007-11-76
STA 2420+00

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007\1001\SHEETSPLAN\1007117B\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 06 OF 06	SHEET 77	E

FILE NAME : 022000_EC (EROSION CONTROL).DWG PLOT DATE : 10/9/2017 5:47 PM PLOT BY : SEH LAYOUT NAME : 022006_EC PLOT SCALE : 1.0 IN = 100.0 FT

2

WORK UNDER
PROJECT ID 1007-11-71

IH 39 SB

DELINEATED WETLANDS (TYP)
NOTE, GRAY SHADE DENOTES
PERMITTED WETLAND IMPACT

N

2194 2196 2198 2200 2202 2204 2206 22

MATCH LINE 2208+00

IH 39 NB

BEGIN PROJECT 1007-11-76
STA 2195+00

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

SEEDING PLAN NOTES:

TOPSOIL SHALL BE RESTORED TO FULL DEPTH (4" MINIMUM) IN ALL DISTURBED AREAS WHERE TOPSOIL IS SPECIFIED IN THE PLANS.

SEE THE EROSION CONTROL PLAN FOR EROSION MAT AND MULCHING LOCATIONS.

USE SEED MIX #30 WITHIN 15 FEET OF THE EDGE OF SHOULDER.

SEEDING LEGEND

- MIXTURE #10 SEEDING AREA
- MIXTURE #30 SEEDING AREA
- SLOPE INTERCEPT
- SURFACE WATER FLOW

N

MATCH LINE 2208+00

08 2210 2212 2214 2216 2218 2220 2222

MATCH LINE 2223+00

IH 39 NB

SLOPE INTERCEPT (TYP)

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

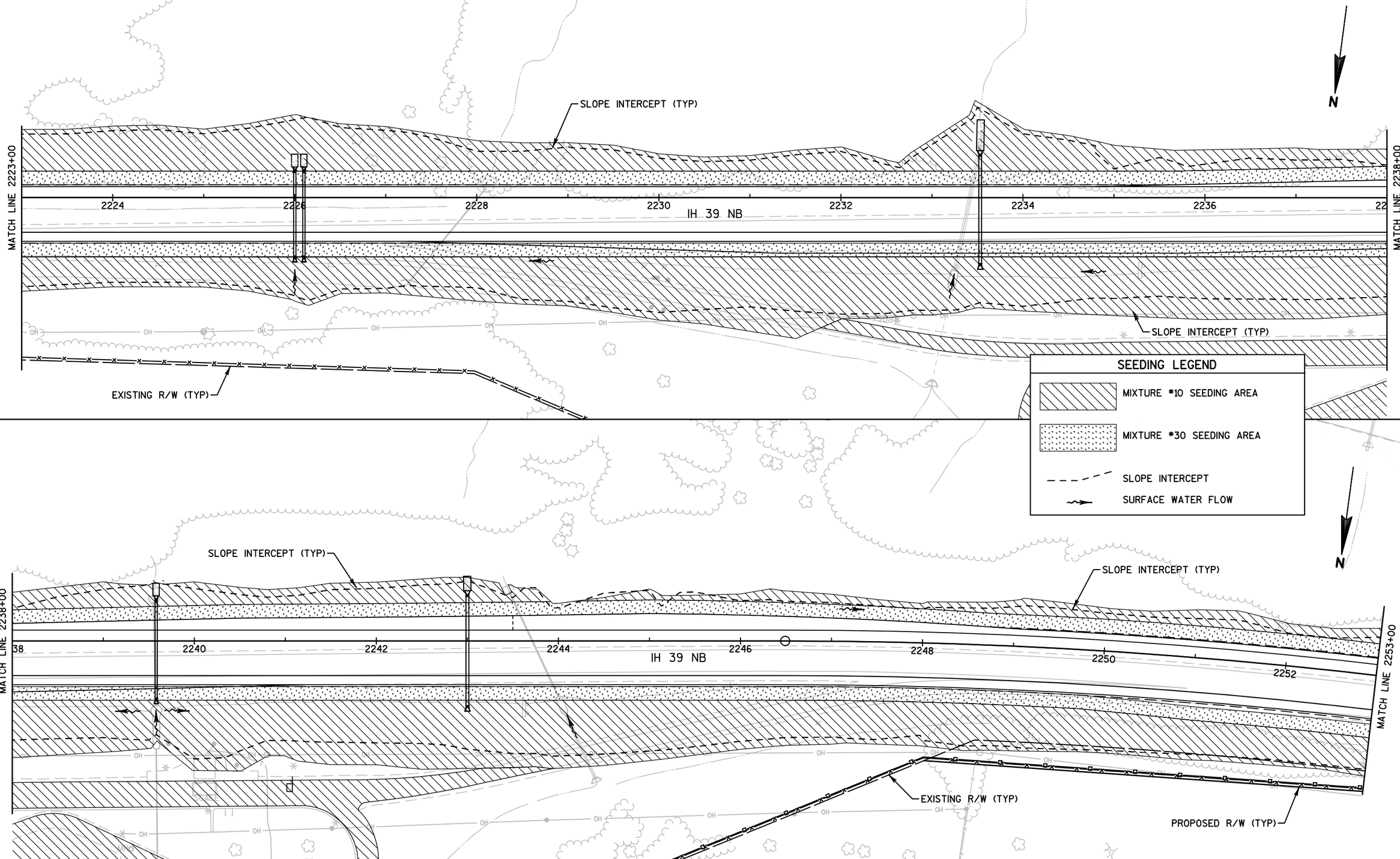
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN - SEEDING	PAGE 01 OF 06	SHEET	E

FILE NAME : 022000_EC (EC SEEDING).DWG | PLOT DATE : 10/9/2017 5:50 PM | PLOT BY : SEH | LAYOUT NAME : 022001_EC | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

2



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN - SEEDING	PAGE 02 OF 06	SHEET	E

FILE NAME : 022000_EC (EC SEEDING).DWG PLOT DATE : 10/9/2017 5:50 PM PLOT BY : SEH LAYOUT NAME : 022002_EC PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007117B\SEC 02 TYPICAL SECTIONS & DETAILS

SEEDING LEGEND

- MIXTURE #10 SEEDING AREA
- MIXTURE #30 SEEDING AREA
- SLOPE INTERCEPT
- SURFACE WATER FLOW

IH 39 SB

IH 39 NB

N

SLOPE INTERCEPT (TYP)

SLOPE INTERCEPT (TYP)

END CONSTRUCTION
STA 2266+00

MATCH LINE 2253+00

2254 2256 2258 2260 2262 2264 2266 2268

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

WILLIAMS DR

IH 39 SB

IH 39 NB

2318 2320 2322 2324 2326 2328 2330 2332

BEGIN CONSTRUCTION
STA 2323+00

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

RIPRAP MEDIUM

DELINEATED WETLANDS (TYP)
NOTE, GRAY SHADE DENOTES
PERMITTED WETLAND IMPACT

MATCH LINE 2333+25

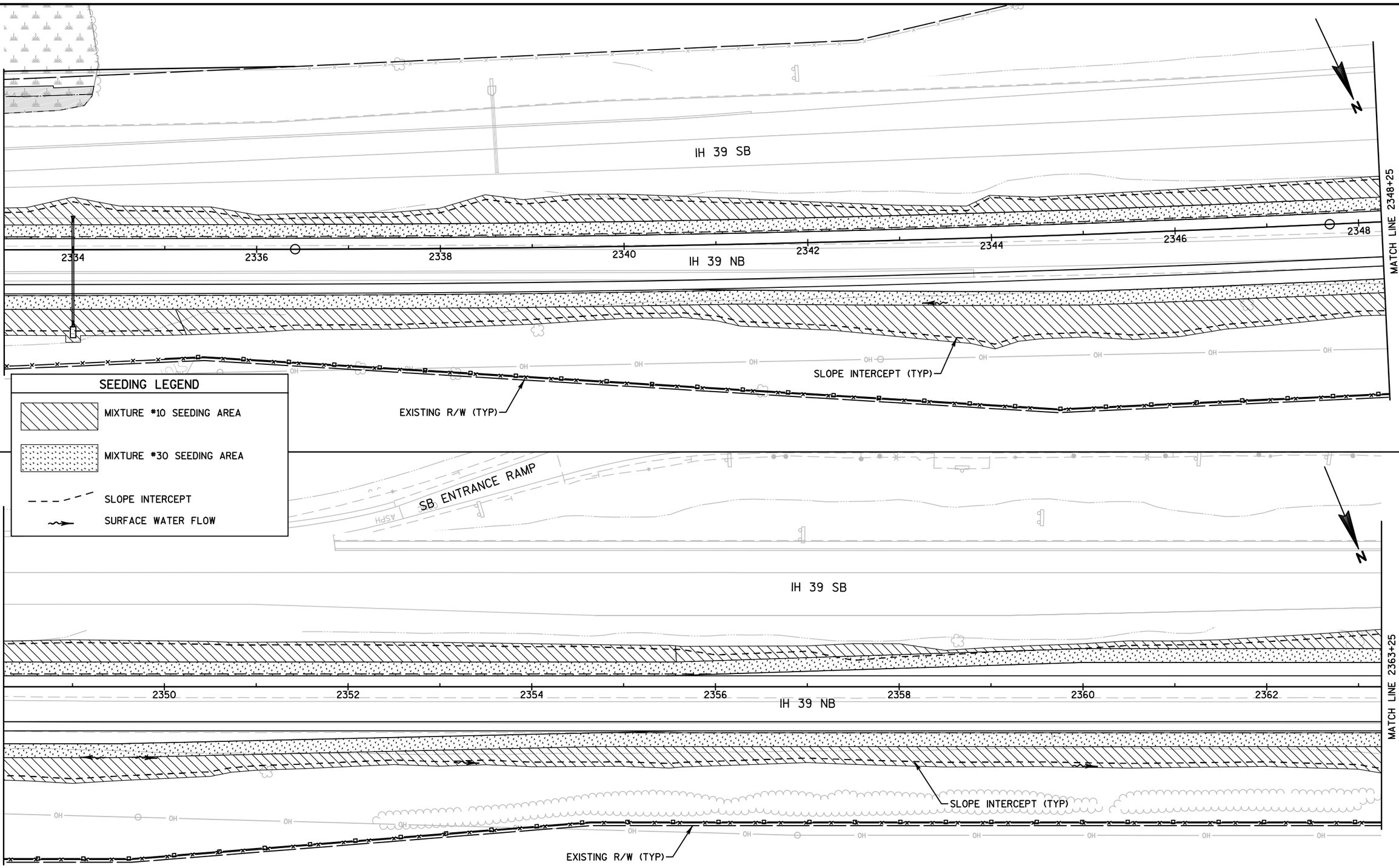
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN - SEEDING	PAGE 03 OF 06	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007117676\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022000_EC (EC SEEDING).DWG PLOT DATE : 10/9/2017 5:50 PM PLOT BY : SEH LAYOUT NAME : 022003_EC PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN - SEEDING	PAGE 04 OF 06	SHEET	E

FILE NAME : 022000_EC (EC SEEDING).DWG PLOT DATE : 10/9/2017 5:51 PM PLOT BY : SEH LAYOUT NAME : 022004_EC PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02

2

SB EXIT RAMP

IH 39 SB

IH 39 NB

MATCH LINE 2363+25

MATCH LINE 2378+25

2364 2366 2368 2370 2372 2374 2376 2378

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

SEPTIC

SEEDING LEGEND

- MIXTURE *10 SEEDING AREA
- MIXTURE *30 SEEDING AREA
- SLOPE INTERCEPT
- SURFACE WATER FLOW

IH 39 SB

IH 39 NB

CTH MN

MATCH LINE 2378+25

MATCH LINE 2393+00

2380 2382 2384 2386 2388 2390 2392

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

MAILBOX

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN - SEEDING	PAGE 05 OF 06	SHEET	E

FILE NAME : 022000_EC (EC SEEDING).DWG PLOT DATE : 10/9/2017 5:51 PM PLOT BY : SEH LAYOUT NAME : 022005_EC PLOT SCALE : 1.0 IN = 100.0 FT

2

DOOR CREEK

IH 39 SB

IH 39 NB

MATCH LINE 2393+00

MATCH LINE 2408+00

2394 2396 2398 2400 2402 2404 2406

SLOPE INTERCEPT (TYP)

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

DOOR CREEK

DELINEATED WETLANDS (TYP)
NOTE, GRAY SHADE DENOTES
PERMITTED WETLAND IMPACT

SEEDING LEGEND

MIXTURE *10 SEEDING AREA

MIXTURE *30 SEEDING AREA

SLOPE INTERCEPT

SURFACE WATER FLOW

IH 39 SB

IH 39 NB

MATCH LINE 2408+00

2408 2410 2412 2414 2416 2418 2420 2422

END PROJECT 1007-11-76
STA 2420+00

SLOPE INTERCEPT (TYP)

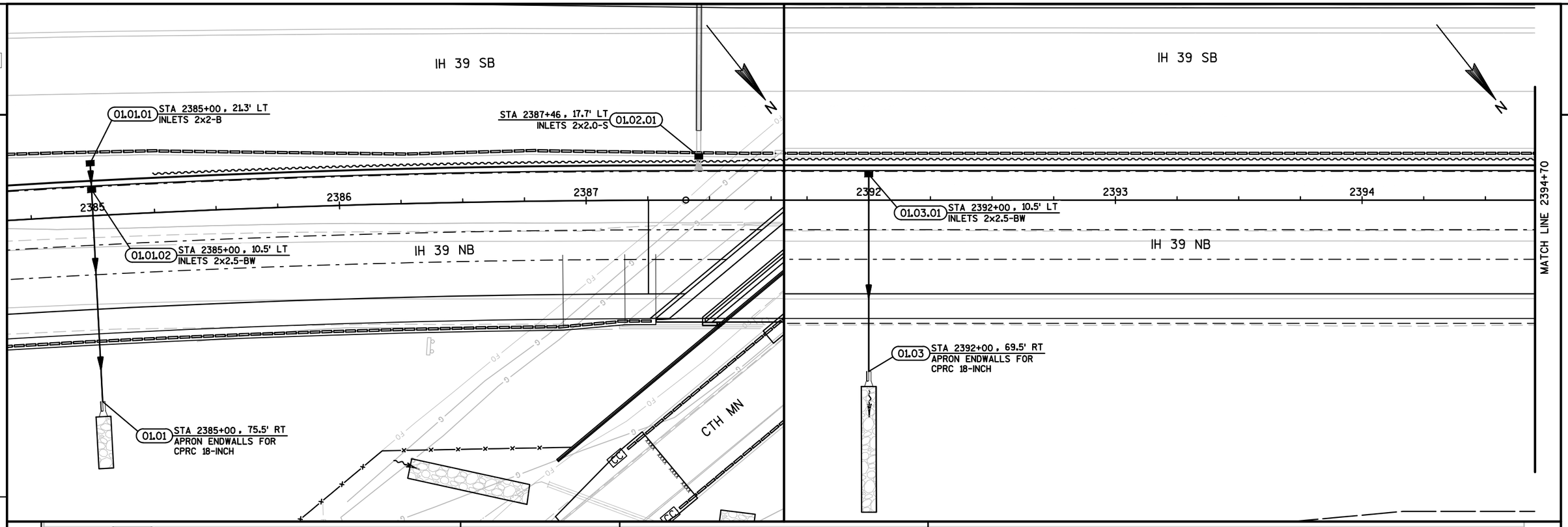
EXISTING R/W (TYP)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN - SEEDING	PAGE 06 OF 06	SHEET	E

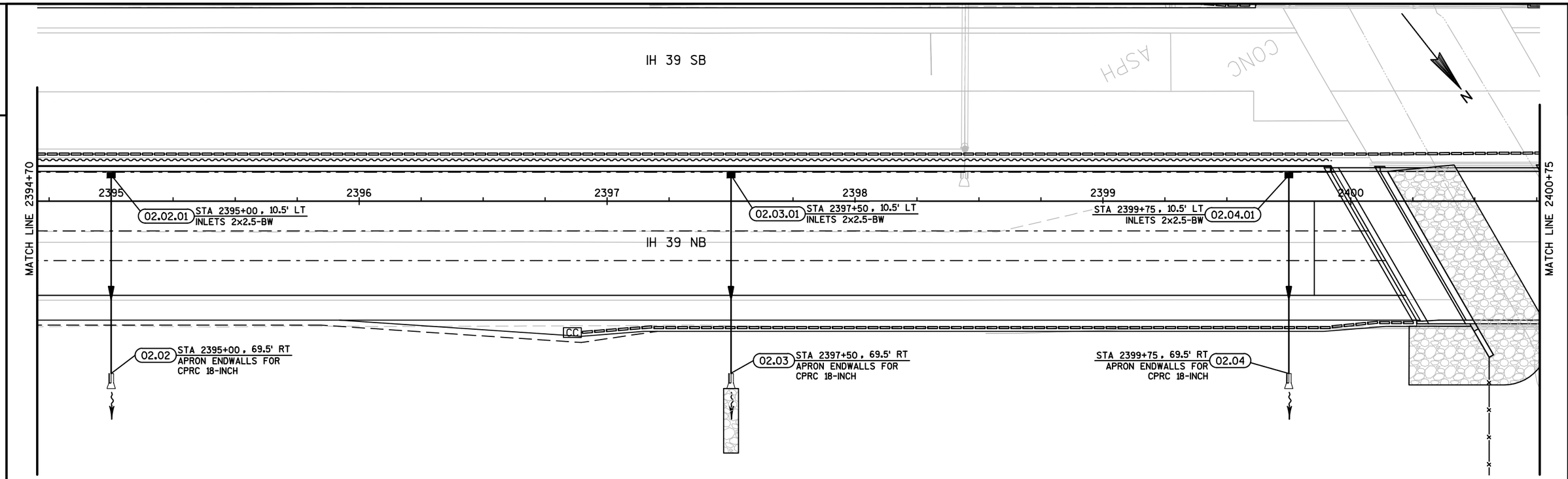
FILE NAME : 022000_EC (EC SEEDING).DWG PLOT DATE : 10/9/2017 5:51 PM PLOT BY : SEH LAYOUT NAME : 022006_EC PLOT SCALE : 1.0 IN = 100.0 FT

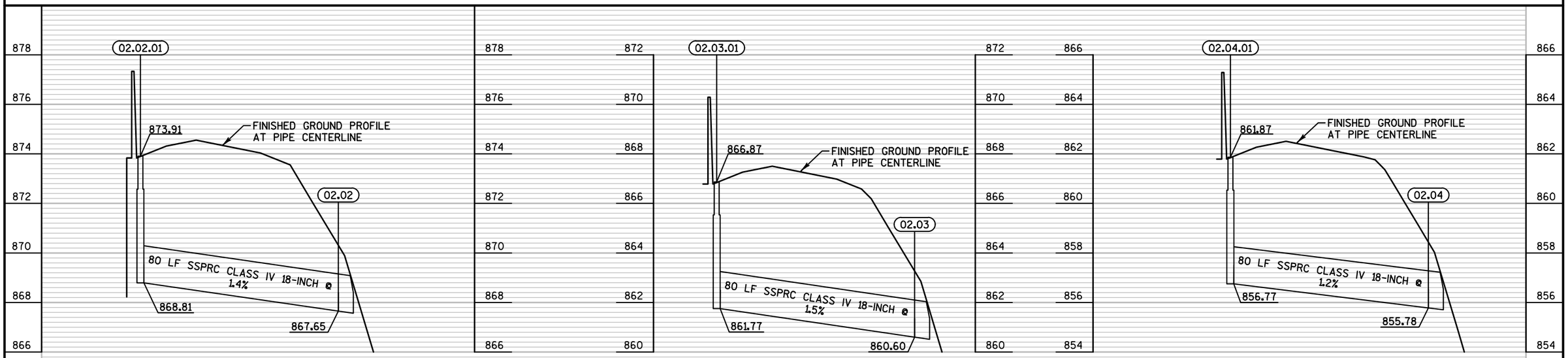
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 01 OF 05	SHEET 84	E



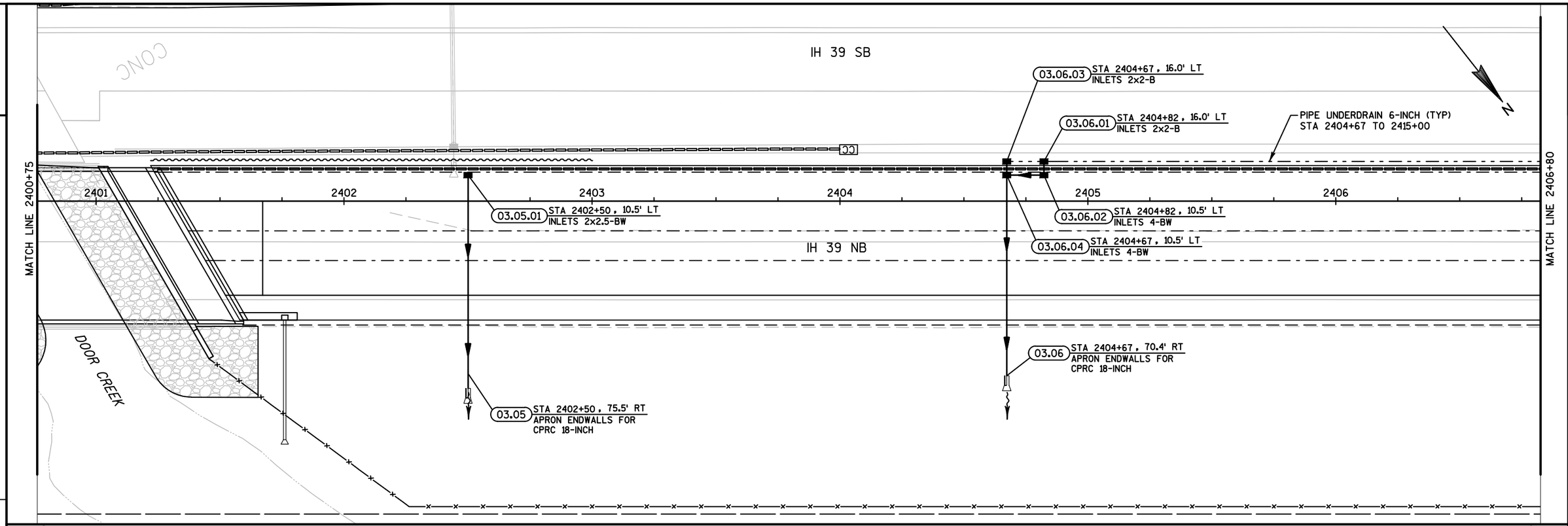


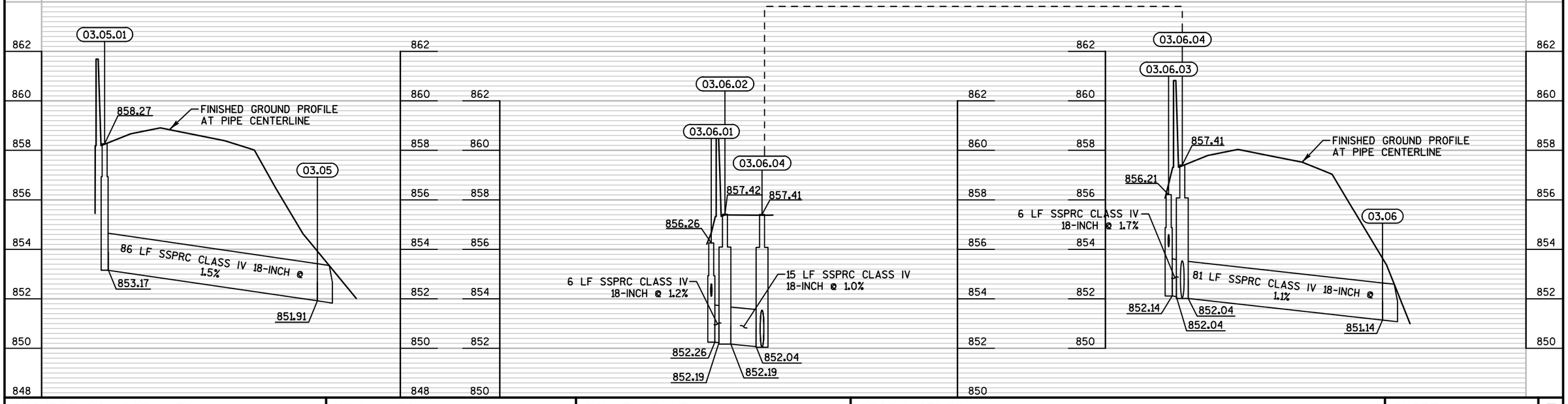
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 02 OF 05	SHEET	E

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022501_SS (STORM SEWER DETAILS).DWG PLOT DATE : 10/9/2017 5:54 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1 IN = 40.0 FT

WISDOT/CADDS SHEET 42





PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 03 OF 05	SHEET	E

FILE NAME : 022501_SS (STORM SEWER DETAILS).DWG PLOT DATE : 10/9/2017 5:54 PM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1 IN = 40.0 FT

WISDOT/CADDS SHEET 42

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176_SEC 02 TYPICAL SECTIONS & DETAILS

2

SCALE

IH 39 SB

N

MATCH LINE 2406+80

PIPE UNDERDRAIN 6-INCH (TYP)
STA 2404+67 TO 2415+00

04.08.01 STA 2409+75 , 16.0' LT
INLETS 2x2-B

2407 2408 2409 2410 2411 2412

04.07.01 STA 2407+00 , 10.5' LT
INLETS 2x2.5-BW

04.08.02 STA 2409+75 , 10.5' LT
INLETS 2x2.5-BW

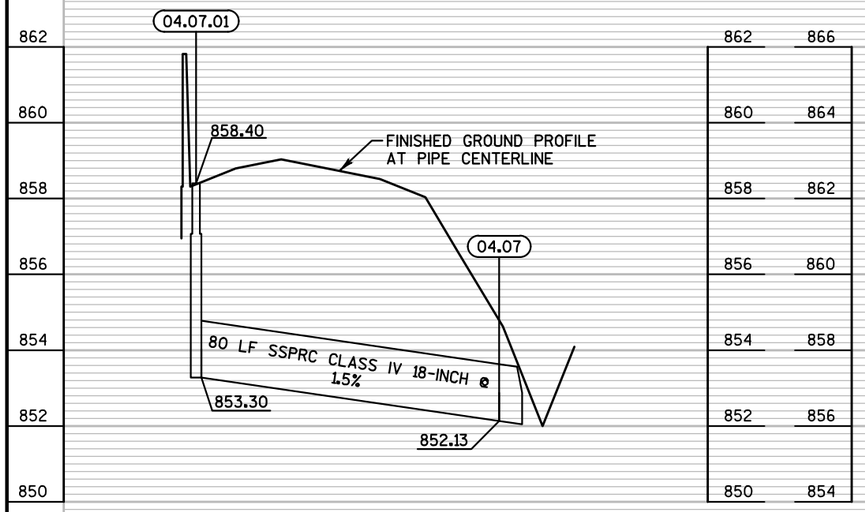
STA 2412+50 , 10.5' LT 04.09.01
INLETS 2x2.5-BW

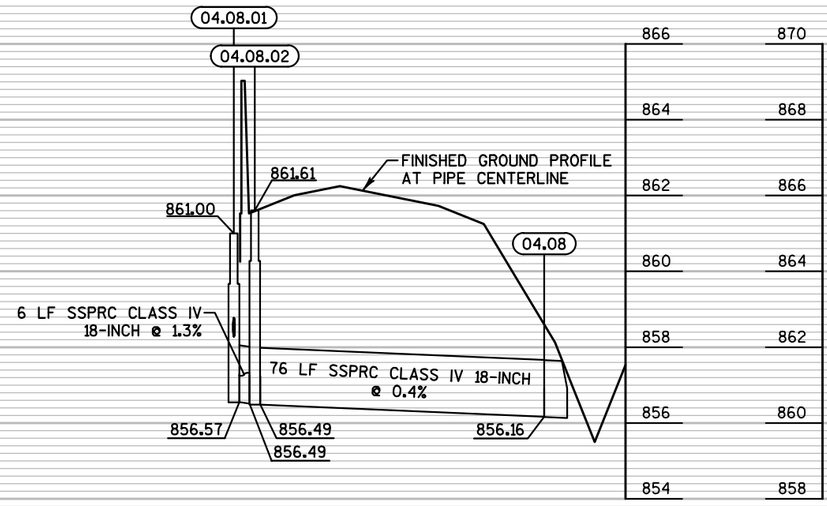
IH 39 NB

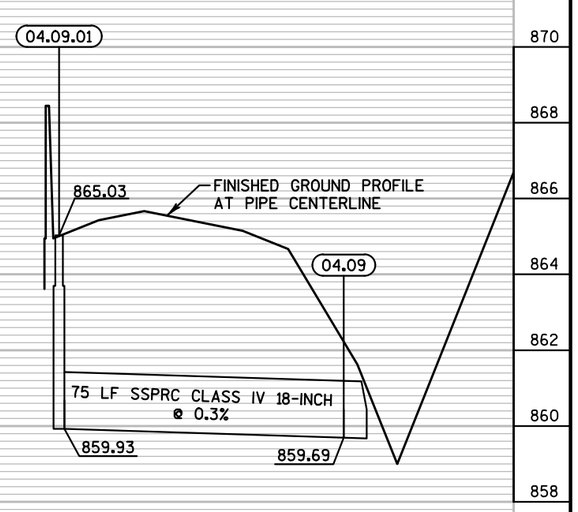
04.07 STA 2407+00 , 69.5' RT
APRON ENDWALLS FOR
CPRC 18-INCH

04.08 STA 2409+75 , 65.9' RT
APRON ENDWALLS FOR
CPRC 18-INCH

STA 2412+50 , 64.6' RT 04.09
APRON ENDWALLS FOR
CPRC 18-INCH







PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 04 OF 05	SHEET	E

FILE NAME : 022501_SS (STORM SEWER DETAILS).DWG PLOT DATE : 10/9/2017 5:55 PM PLOT BY : SEH LAYOUT NAME : 04 PLOT SCALE : 1 IN = 40.0 FT

WISDOT/CADDS SHEET 42

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007110176_SEC 02 TYPICAL SECTIONS & DETAILS

2

2

MATCH LINE 1464+75'TSB'

IH 39 SB

PIPE UNDERDRAIN 6-INCH (TYP)
STA 2404+67 TO 2415+00

STA 2418+46 , 27.3' LT
INLETS MEDIAN 2G-MS
05.01

REMOVE EXISTING
INLET
05.02

IH 39 NB

2413 2414 2415 2416 2417 2418

N

876 874 872 870 868 866 864 862 860

05.01

FINISHED GROUND PROFILE
AT PIPE CENTERLINE

869.40

EXISTING CONCRETE
COLLAR TO BE REMOVED

EXISTING INLET
TO BE REMOVED

CONCRETE COLLAR
REQUIRED

864.30 864.30

26 LF SSPRC CLASS
IV 24-INCH @ 0.0%

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 05 OF 05	SHEET	E

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022501_SS (STORM SEWER DETAILS).DWG PLOT DATE : 10/9/2017 5:55 PM PLOT BY : SEH LAYOUT NAME : 05 PLOT SCALE : 1 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

ITS GENERAL NOTES

THESE PLANS AND THE ASSOCIATED SPECIAL PROVISIONS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS AND SPECIAL PROVISIONS. ALL SCALES, DIMENSIONS, AND LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION OF WORK SHOWN IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE APPLICATION OF ALL WORK SHOWN IN THE PLANS TO THE ACTUAL PHYSICAL FIELD CONDITIONS TO PROVIDE A COMPLETE AND ACCEPTED PROJECT. IN THE EVENT THAT ACTUAL PHYSICAL FIELD CONDITIONS AFFECT OR PREVENT THE APPLICATION OR PROGRESSION OF ANY WORK SHOWN IN THE PLANS OR SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, AND PRIOR TO ANY FURTHER WORK ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY LOCATION CHANGES.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.

NO TEST BORINGS WERE MADE WHERE CONDUIT, PULL BOXES, POLES, FOUNDATIONS, OR OTHER EQUIPMENT IS TO BE INSTALLED.

THE CONTRACTOR IS FULLY RESPONSIBLE FOR EXAMINING THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

AREAS WITHIN RIGHT-OF-WAY DISTURBED SPECIFICALLY FOR ITS CONSTRUCTION ARE TO BE RESTORED TO THE ORIGINAL CONDITION WITH TOPSOIL, FERTILIZER, SEED, AND MULCH. RESTORATION FOR AREAS DISTURBED FOR OTHER CONSTRUCTION OPERATIONS, BUT ALSO CONTAINING ITS CONSTRUCTION, WILL BE DONE ACCORDING TO REQUIREMENTS AND PAYMENT PROVISIONS FOR THE OTHER CONSTRUCTION OPERATIONS. NO PAYMENT WILL BE MADE FOR RESTORING AREAS DISTURBED FOR ITS CONSTRUCTION OPERATIONS.

DUE TO RAMP, LANE, AND SHOULDER CLOSURE RESTRICTIONS AND WORK UNDER OTHER CONTRACTS, SOME WORK MAY BE REQUIRED TO BE PERFORMED AT NIGHT. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING RAMP, LANE, SHOULDER, AND ROADWAY CLOSURES WITH OTHER CONTRACTS IN THE AREA.

NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

HAND DIG TRENCHES NEAR EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE. VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE.

ITS LEGEND

DESCRIPTION	SYMBOL
JUNCTION BOX	▬
CCTV CAMERA	◀■
GROUND MOUNTED CABINET	▯▯
POLE MOUNTED CABINET	▯
POLE	●
PULL BOX NON-CONDUCTIVE 24X36	◑
PULL BOX NON-CONDUCTIVE 24X42	ⓧ
COMMUNICATIONS VAULT	V
COMMUNICATIONS MANHOLE	Ⓜ
MICROWAVE DETECTOR	◆
ITS CONDUIT	– – –
DYNAMIC MESSAGE SIGN, OVERHEAD	▙▁▟
DYNAMIC MESSAGE SIGN, ROADSIDE	▙▟
DYNAMIC MESSAGE SIGN, BUTTERFLY	▬▬
DYNAMIC MESSAGE SIGN, CANTILEVER	▁▟
PORTABLE CHANGEABLE MESSAGE SIGN	PCMS
ROAD WEATHER INFORMATION SYSTEM	▮
METER BREAKER PEDESTAL	⊠
METER SOCKET	⊗
BREAKER DISCONNECT BOX	⊞
RAMP CLOSURE GATE	▭▸
BLUETOOTH SENSOR	B
WIRELESS MESH NODE	W
AUTOMATIC TRAFFIC RECORDER	ATR
WOODEN POWER POLE	⊡
WOOD POST	⊡
TRANSFORMER	⧄
DETECTION ZONE	⬭
QUANTITY POINT	▲

ITS STANDARD ABBREVIATIONS

ATR ----- AUTOMATIC TRAFFIC RECORDER
CB ----- CONTROLLER CABINET
CCTV ----- CLOSED CIRCUIT TELEVISION
CP ----- CAMERA POLE
CV ----- COMMUNICATIONS VAULT
DMS ----- DYNAMIC MESSAGE SIGN
DP ----- DETECTOR POLE
DS ----- DRAINAGE STRUCTURE (ON ITS PLANS ONLY)
EX ----- EXISTING
FO ----- FIBER OPTIC
JB ----- JUNCTION BOX
MB ----- METER BREAKER
MD ----- MICROWAVE DETECTOR
MH ----- MANHOLE
MM ----- MULTIMODE
PB ----- PULL BOX
PCMS ----- PORTABLE CHANGEABLE MESSAGE SIGN
PF ----- POLE FOUNDATION
PP ----- POWER POLE
QP ----- QUANTITY POINT
RWIS ----- ROAD WEATHER INFORMATION SYSTEM
S ----- OVERHEAD SIGNAL SUPPORT
SB ----- SIGNAL BASE
SDS ----- SYSTEM DETECTOR STATION
SM ----- SINGLE MODE
SWEF ----- SAFETY AND WEIGHT ENFORCEMENT FACILITY
WDS ----- WIRELESS DETECTION SENSOR
WIM ----- WEIGH IN MOTION
WMN ----- WIRELESS MESH NODE

ITS CONTACTS

WISCONSIN DEPARTMENT OF TRANSPORTATION
SW REGION
MR. KYLE HEMP
608-246-5367
MR. GRAHAM HEITZ
608-246-5362
2101 WRIGHT ST
MADISON, WI 53704

WISCONSIN DEPARTMENT OF TRANSPORTATION
STATEWIDE TRAFFIC OPERATIONS CENTER
MR. DEAN BEEKMAN
414-227-2154
MR. DON SCHELL
414-227-2148
433 W. ST. PAUL AVENUE, SUITE 300
MILWAUKEE, WI 53203

SRF CONSULTING GROUP
INTELLIGENT TRANSPORTATION SYSTEMS
MR. JACOB FOLKERINGA
763-452-4730
MS. CORTNEY FALERO
763-452-4806
1 CARLSON PARKWAY NORTH, SUITE 150
MINNEAPOLIS, MN 55447

ORIGINAL PLANS PREPARED BY

SRF Consulting Group, Inc. | ENGINEERS PLANNERS DESIGNERS

ITS SHEETS 1-8

WISCONSIN
JACOB HW FOLKERINGA
E-43224
MINNEAPOLIS, MN
PROFESSIONAL ENGINEER

7/18/2017 (Date) (Signature)

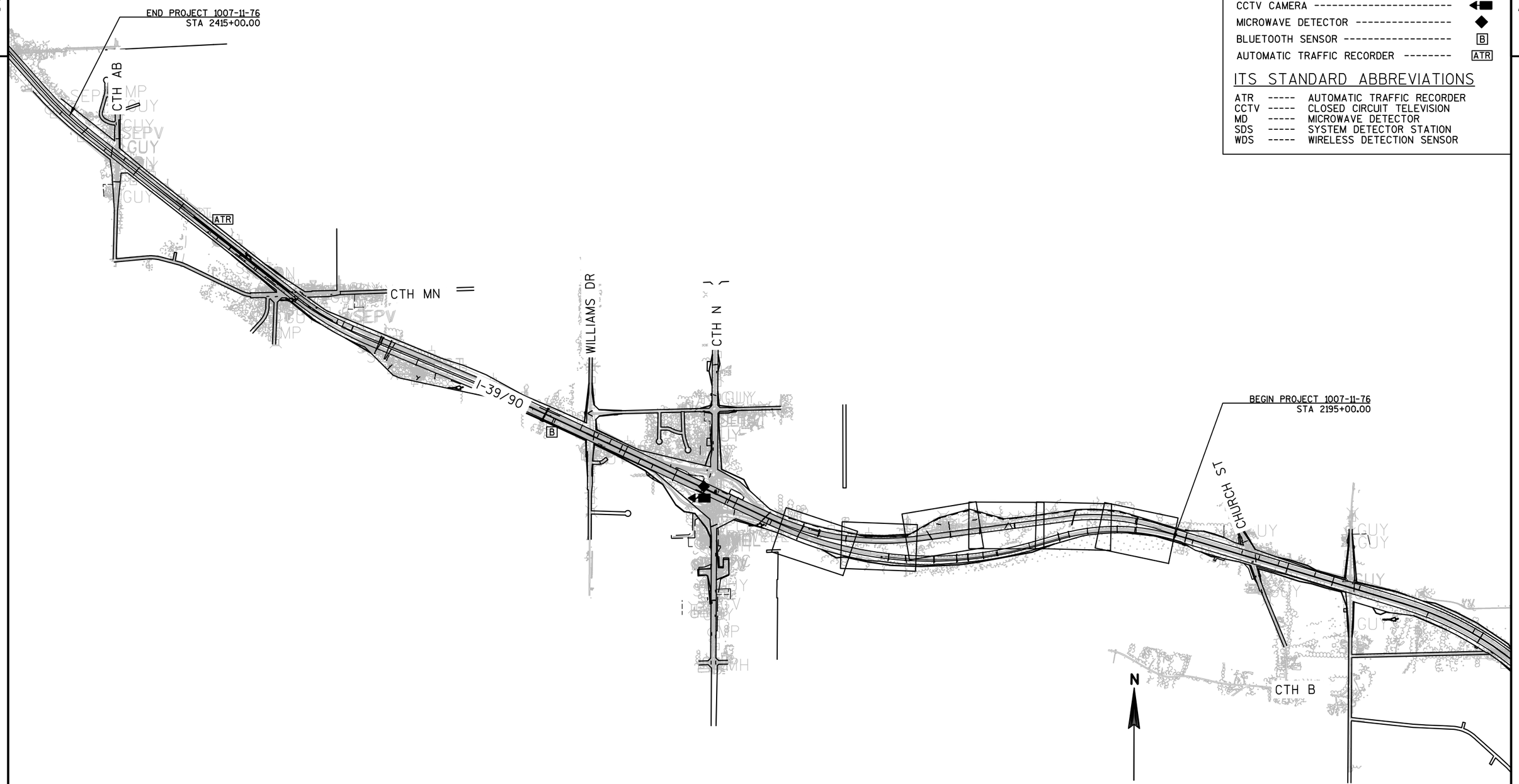
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	ITS GENERAL NOTES	SHEET 89 E

ITS LEGEND

DESCRIPTION	SYMBOL
CCTV CAMERA	
MICROWAVE DETECTOR	
BLUETOOTH SENSOR	B
AUTOMATIC TRAFFIC RECORDER	ATR

ITS STANDARD ABBREVIATIONS

ATR	-----	AUTOMATIC TRAFFIC RECORDER
CCTV	-----	CLOSED CIRCUIT TELEVISION
MD	-----	MICROWAVE DETECTOR
SDS	-----	SYSTEM DETECTOR STATION
WDS	-----	WIRELESS DETECTION SENSOR



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PROJECT OVERVIEW	SHEET	E

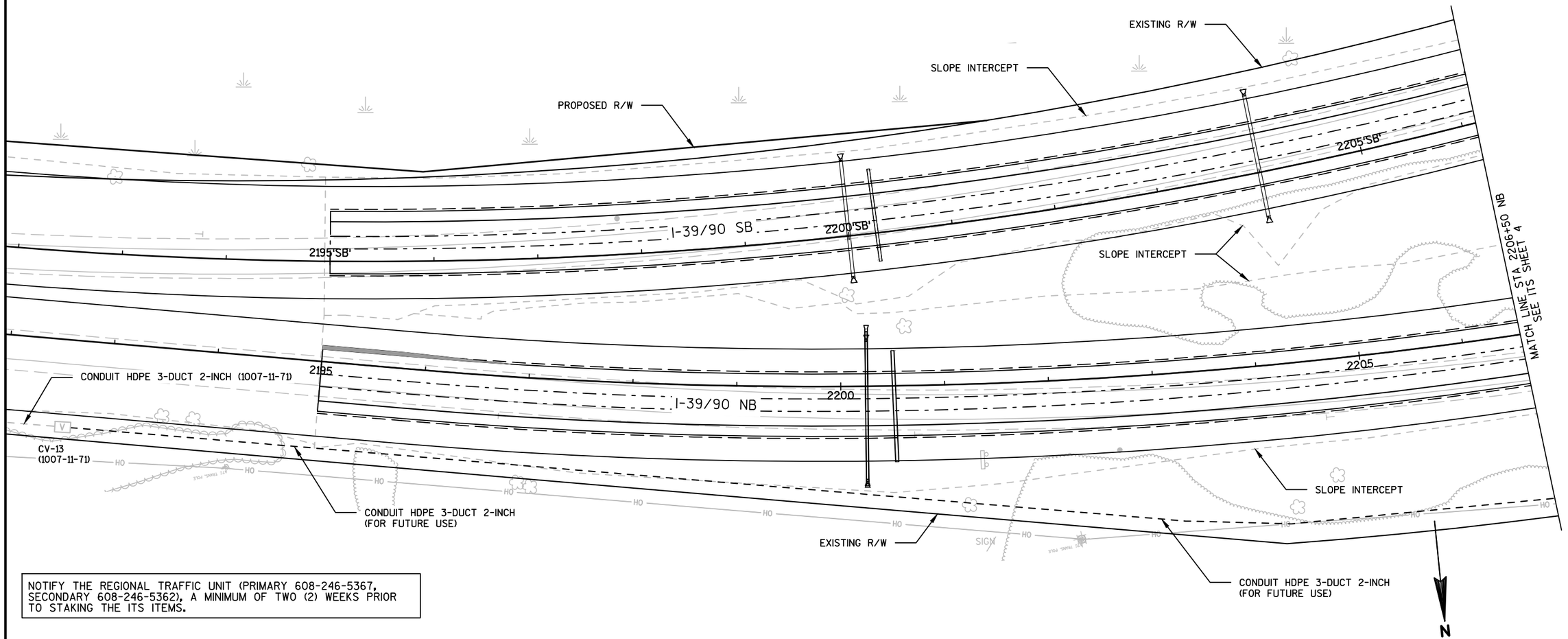
FILE NAME : H:\PROJMDSN\8136\CAD_BIM\PLAN\1007-11-76_CHURCH ST TO CTH AB 5 MILES_ML_NBL\SR_ITS PLANS_10071176.DWG PLOT DATE : 10/10/2017 12:25 PM PLOT BY : CORTNEY FALERO PLOT NAME : PLOT SCALE : 1 IN:2000 FT
WISDOT/CADDS SHEET 42

ITS LEGEND

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	- - -

ITS STANDARD ABBREVIATIONS

CV ----- COMMUNICATIONS VAULT
EX ----- EXISTING



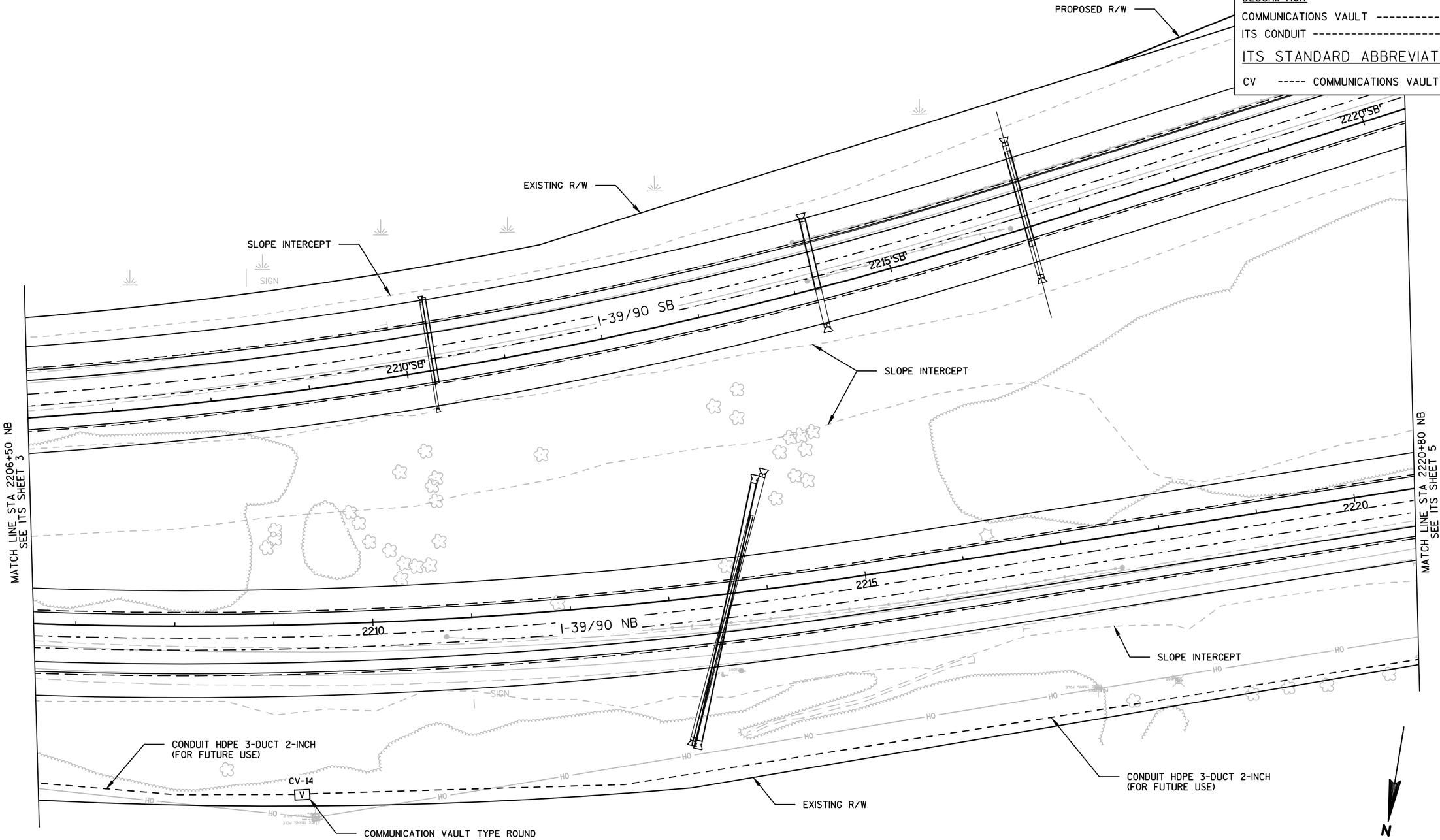
NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

ITS LEGEND

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	- - -

ITS STANDARD ABBREVIATIONS

CV ----- COMMUNICATIONS VAULT



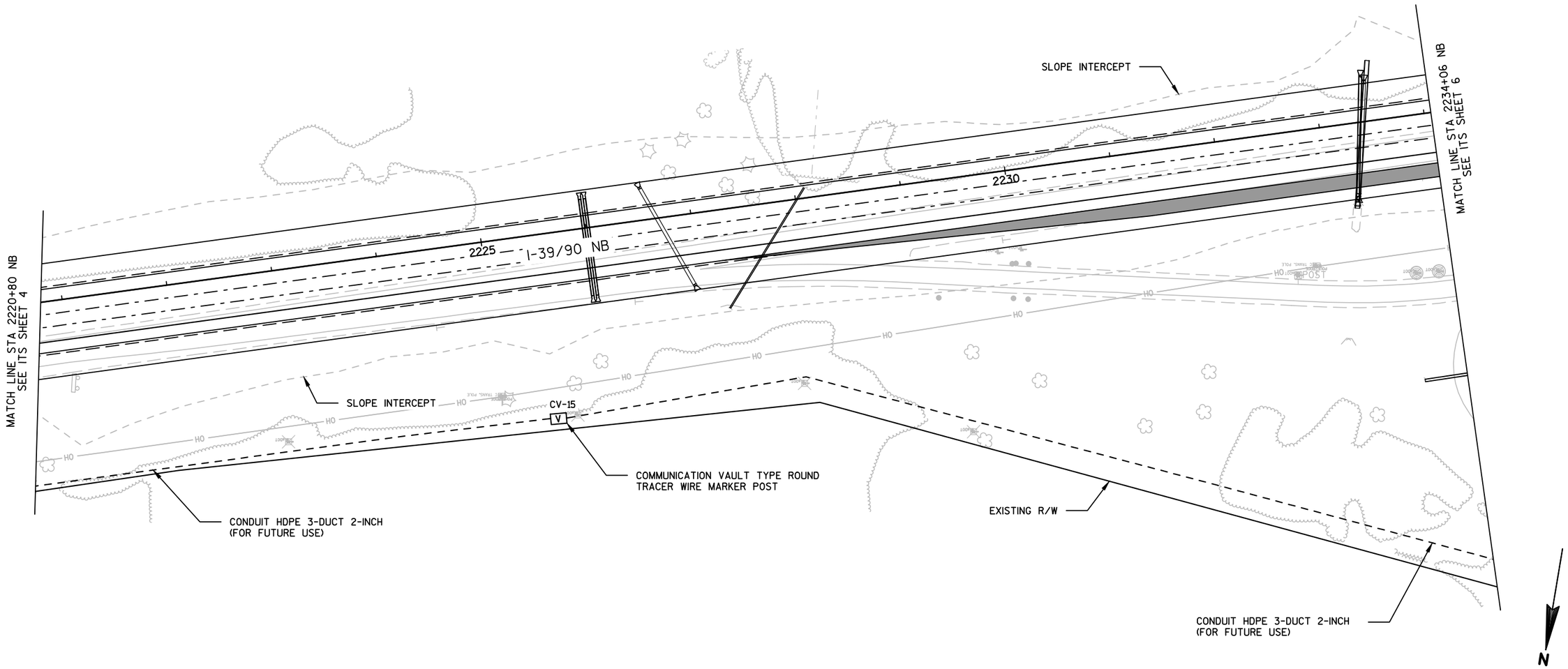
NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

ITS LEGEND

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	- - -

ITS STANDARD ABBREVIATIONS

CV ----- COMMUNICATIONS VAULT



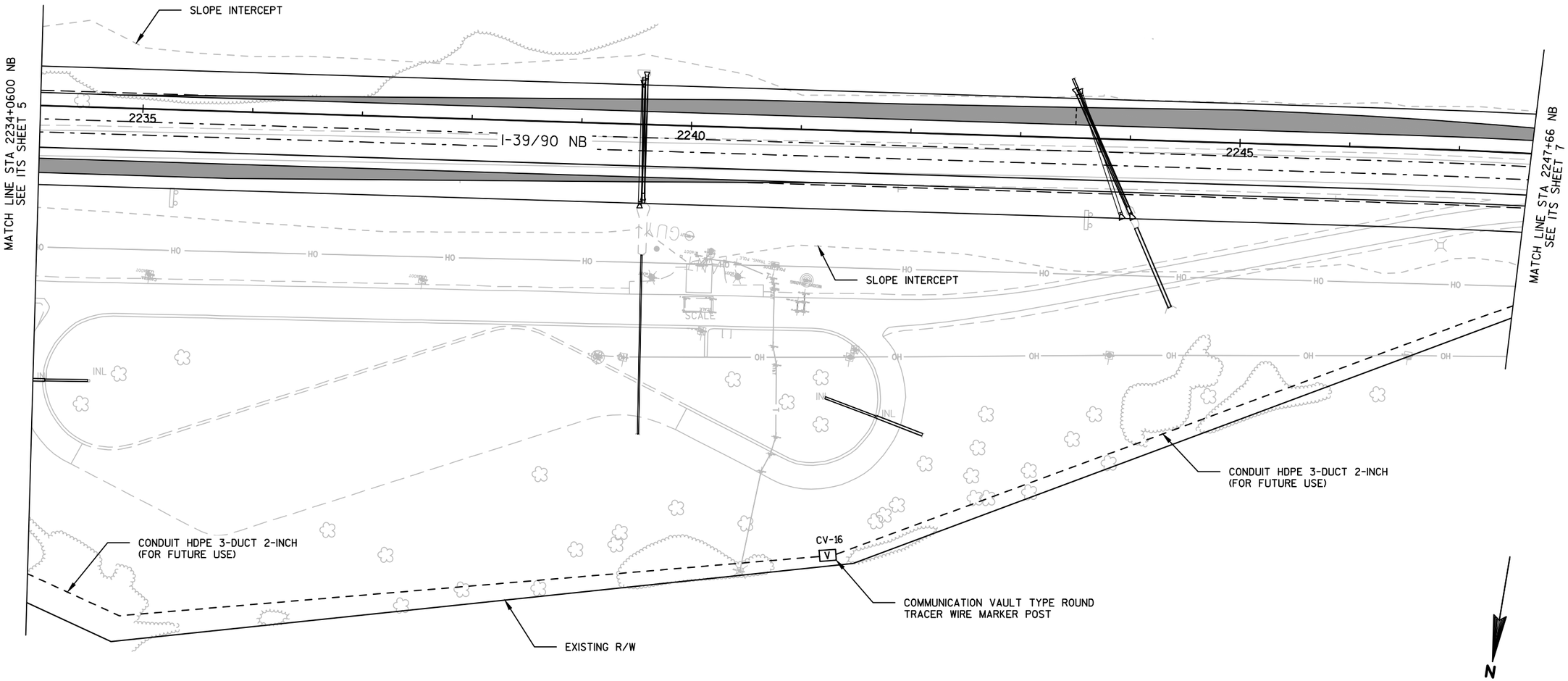
NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

ITS LEGEND

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	- - -

ITS STANDARD ABBREVIATIONS

CV ----- COMMUNICATIONS VAULT



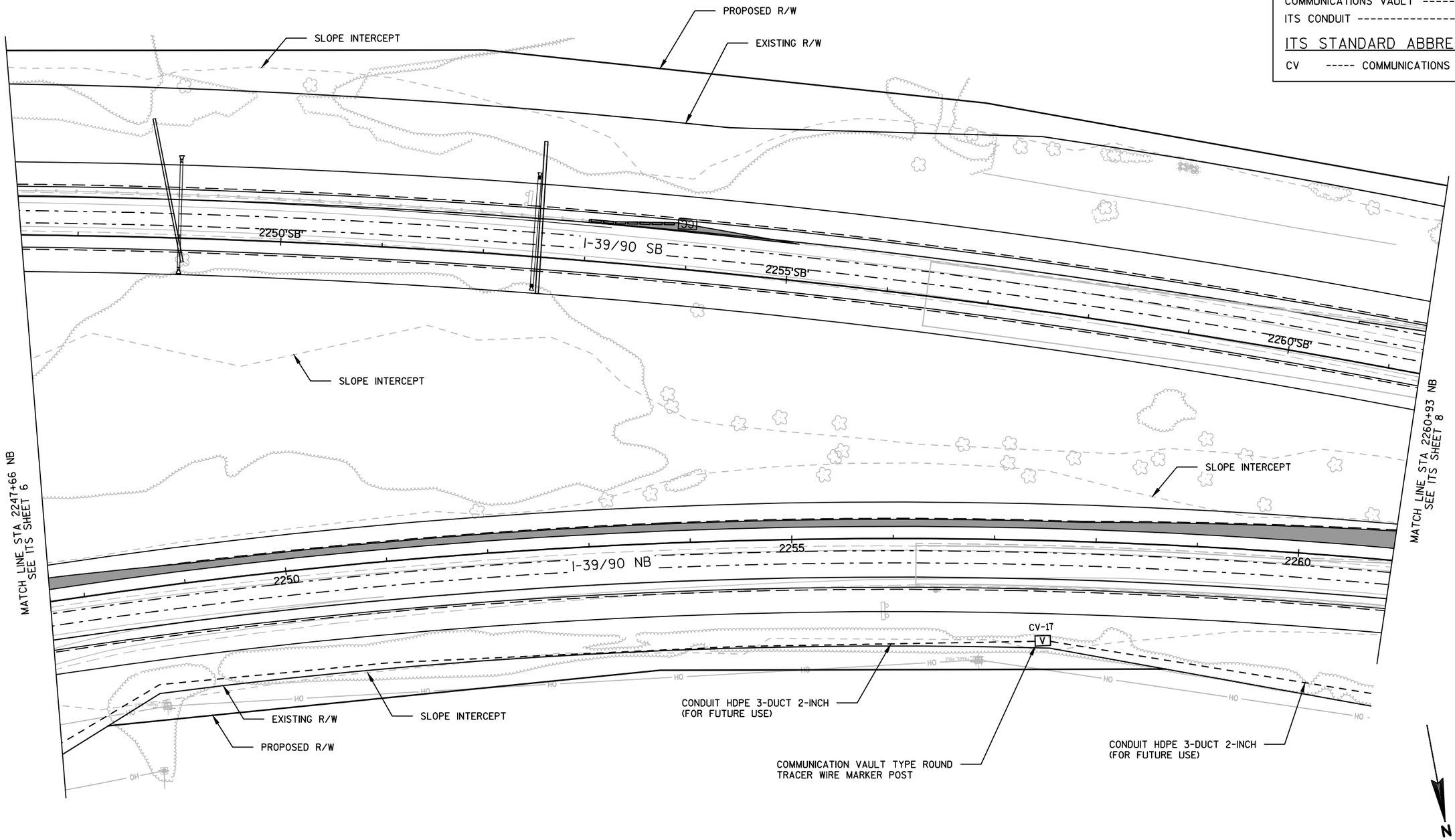
NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

ITS LEGEND

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	---

ITS STANDARD ABBREVIATIONS

CV ----- COMMUNICATIONS VAULT



NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

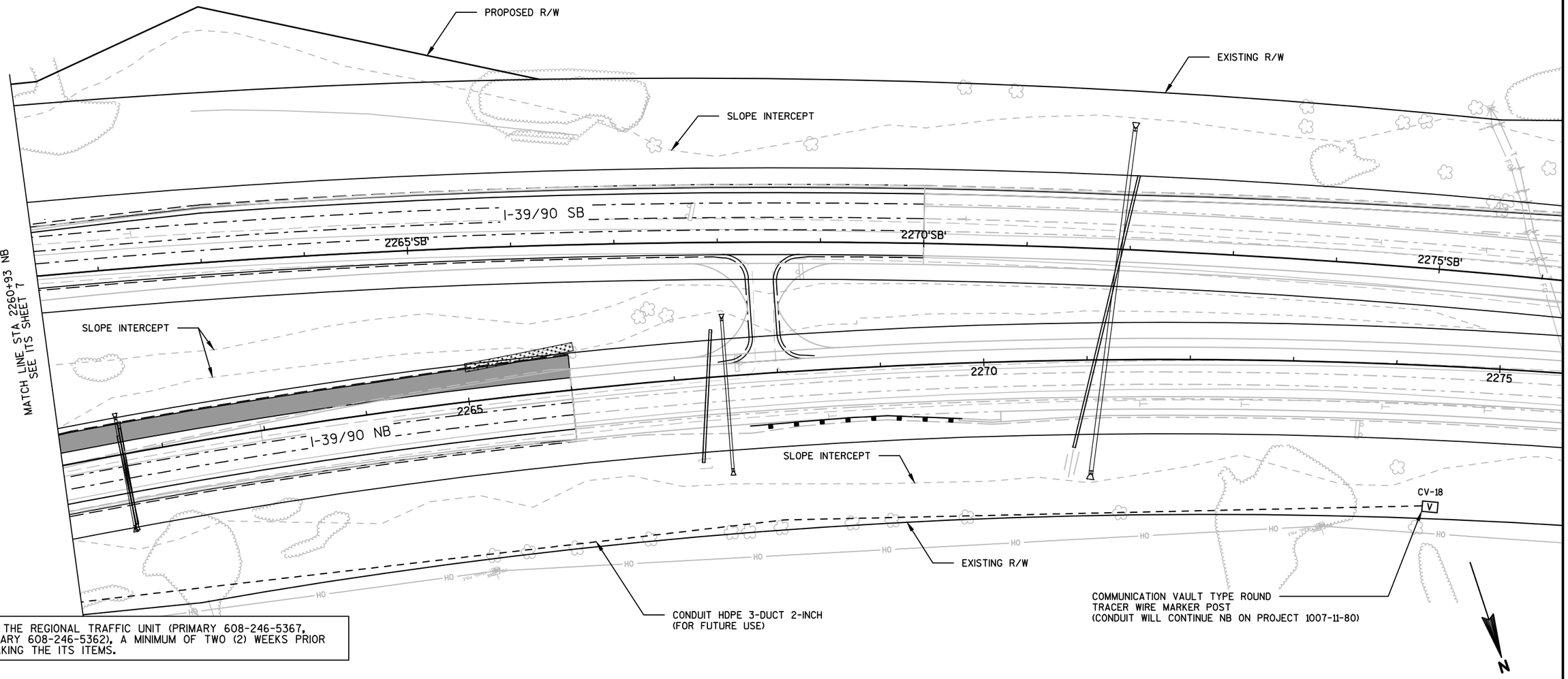
ITS LEGEND

ITS SHEET 8 OF 8

DESCRIPTION	SYMBOL
COMMUNICATIONS VAULT	V
ITS CONDUIT	– – –

ITS STANDARD ABBREVIATIONS

CV ----- COMMUNICATIONS VAULT



NOTIFY THE REGIONAL TRAFFIC UNIT (PRIMARY 608-246-5367, SECONDARY 608-246-5362), A MINIMUM OF TWO (2) WEEKS PRIOR TO STAKING THE ITS ITEMS.

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

EAST 39 90 MILE 149 .2

EXISTING SIGN TO REMAIN

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

MATCH EXISTING EDGE LINES

MATCH EXISTING CYCLE

BEGIN SB MARKING
STA 795+35'XSB"

794'XSB' 796'XSB' 798'XSB' 800'XSB' 802'XSB' 804'XSB' 806'XSB' 808'XSB'

IH 39 SB

12' 12'

2194 2196 2198 2200 2202 2204 2206 2208

MATCH LINE 2208+25

+25

MATCH EXISTING EDGE LINES

END PROJECT 1007-11-71
STA 2195+00

IH 39 NB

+30

+40

+36

98

MATCH EXISTING CYCLE

BEGIN PROJECT 1007-11-76
STA 2195+00

M01-01
WEST 39 90 MILE 149 .2
D10-5A

W01-01
FOOD-EXIT 147
ARBYS SUBWAY
ATTRACTION-EXIT 147
STOUGHTON OPERA HOUSE
SIS
WORK BY OTHERS
(SIS CONTRACTOR: INTERSTATE LOGOS)

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

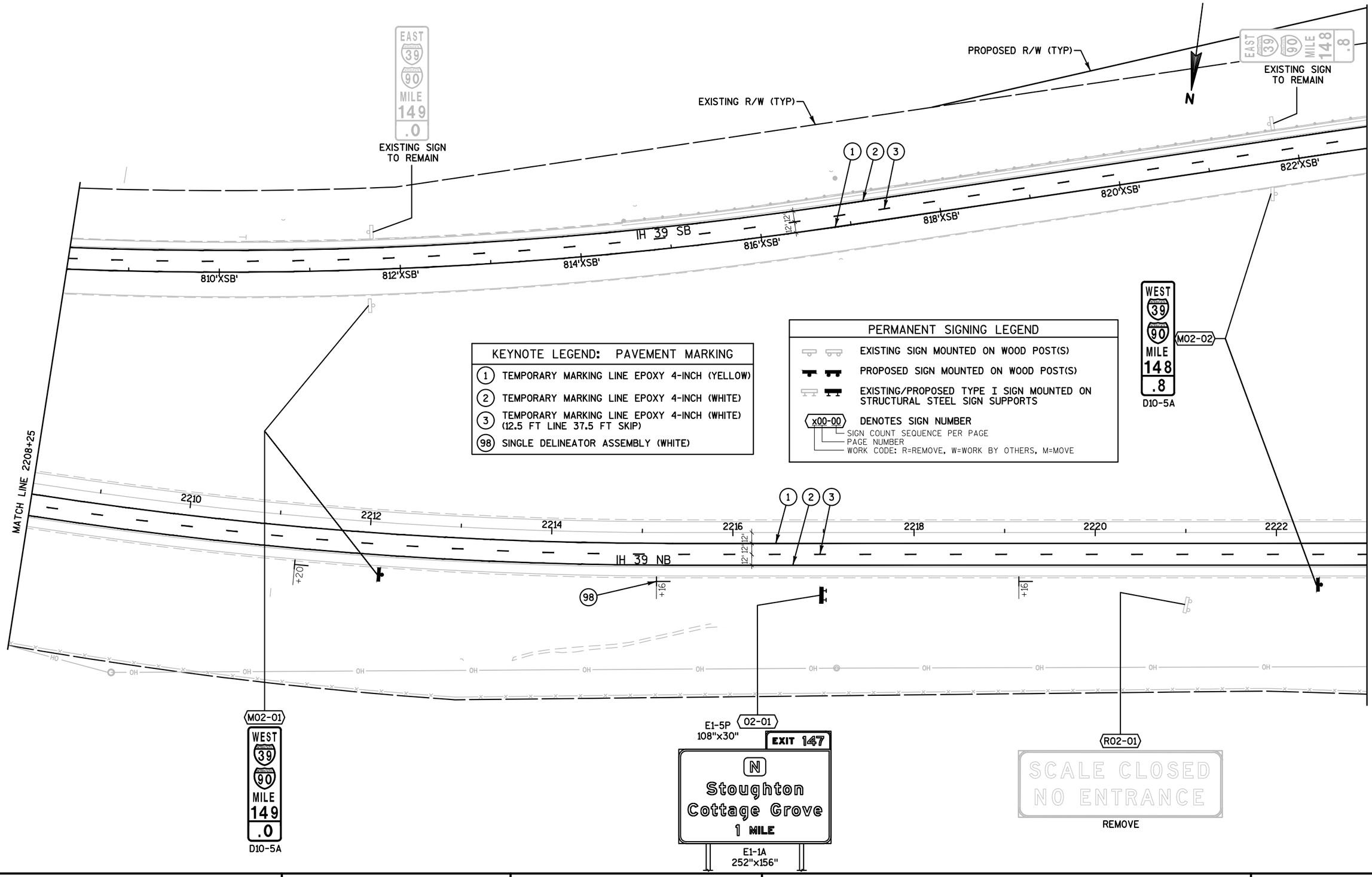
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING PAGE 01 OF 12	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/10/2017 6:26 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2



KEYNOTE LEGEND: PAVEMENT MARKING

1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

PERMANENT SIGNING LEGEND

	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 02 OF 12	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007T1001\SHEETSPLAN\1007T1176\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/10/2017 6:26 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

EXISTING SIGN TO REMAIN

EAST 39 90 MILE 148 .6

EXISTING SIGN TO REMAIN

Hwy 51 8
Janesville 28
Chicago 134

1 2 3

IH 39 SB

12' 12' 12'

824'XSB' 826'XSB' 828'XSB' 830'XSB' 832'XSB' 834'XSB' 836'XSB'

N

WEST 39 90 MILE 148 .6

D10-5A

M03-01

KEYNOTE LEGEND: PAVEMENT MARKING

1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON WOOD POST(S)
- PROPOSED SIGN MOUNTED ON WOOD POST(S)
- EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
- x00-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

MATCH LINE 2223+00

2224 2226 2228 2230 2232 2234 2236 22

MATCH LINE 2238+00

1 2 3

12' 12' 12'

IH 39 NB

+16 +16 +16 +16

98

OH

03-01

Glacial Drumlin State Trail
Lake Kegonsa State Park
EXIT 147

E3-1
192"x132"

R03-01

Glacial Drumlin State Trail
Lake Kegonsa State Park
EXIT 147

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 03 OF 12	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/10/2017 6:26 PM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

2

EAST 39 90 MILE 148 .4
EXISTING SIGN TO REMAIN

PROPOSED R/W (TYP)

SPEED LIMIT 70
EXISTING SIGN TO REMAIN

EAST 39 90 MILE 148 .2
EXISTING SIGN TO REMAIN

EXISTING R/W (TYP)

N

838'XSB' 840'XSB' 842'XSB' 844'XSB' 846'XSB' 848'XSB' 850'XSB' 852'XSB'

IH 39 SB

12' 12' 12'

1 2 3

WEST 39 90 MILE 148 .4
M04-01
D10-5A

WEST 39 90 MILE 148 .2
M04-02
D10-5A

PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON WOOD POST(S)
- PROPOSED SIGN MOUNTED ON WOOD POST(S)
- EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
- x00-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

KEYNOTE LEGEND: PAVEMENT MARKING

1. TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2. TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3. TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98. SINGLE DELINEATOR ASSEMBLY (WHITE)

MATCH LINE 2238+00

2238 2240 2242 2244 2246 2248 2250 2252

IH 39 NB

+16 +16 +16 +20

98

W04-01

GAS-EXIT 147
ROAD RANGER
BP
CAMPING

SIS
WORK BY OTHERS
(SIS CONTRACTOR: INTERSTATE LOGOS)

MATCH LINE 2253+00

OH

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 04 OF 12	SHEET 100	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

2

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

SOUTH EAST INTERSTATE 39 INTERSTATE 90

EXISTING SIGN TO REMAIN

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

EAST INTERSTATE 39 INTERSTATE 90 MILE 148.0

EXISTING SIGN TO REMAIN

N

BEGIN SB MARKING
PROJECT 1007-11-81
(BY OTHERS)

IH 39 SB

12"

854'XSB' 856'XSB' 858'XSB' 860'XSB' 862'XSB' 864'XSB' 866'XSB' 868'XSB'

END SB MARKING
PROJECT 1007-11-76
STA 856+84'XSB'

END NB MARKING
PROJECT 1007-11-76
STA 2266+00

MATCH LINE 2253+00

2254 2256 2258 2260 2262 2264 2266

IH 39 NB

12' 12' 12'

+24 +28 +32

98

BEGIN NB MARKING
PROJECT 1007-11-81
(BY OTHERS)

OH

R05-01
REMOVE

EXIT 147
N
Stoughton
Cottage Grove
½ MILE

M05-01
WEST INTERSTATE 39 INTERSTATE 90
MILE 148.0
D10-5A

EXISTING SIGN TO REMAIN

CRASH INVESTIGATION SITE
EXIT 147

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 05 OF 12	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/12/2017 8:02 AM PLOT BY : SEH LAYOUT NAME : 05 PLOT SCALE : 1.0 IN = 100.0 FT

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)
99	DOUBLE DELINEATOR ASSEMBLY (WHITE)

HOSPITAL EXIT 147
EXISTING SIGN TO REMAIN

Lake Kegonsa State Park EXIT 147
EXISTING SIGN TO REMAIN

EAST 39 90 MILE 146 .6
EXISTING SIGN TO REMAIN

N

PLE (TYP)
PROPOSED R/W (TYP)
EXISTING R/W (TYP)

END NB MARKING
PROJECT 1007-11-81
(BY OTHERS)

END SB MARKING
PROJECT 1007-11-81
(BY OTHERS)

IH 39 SB
IH 39 NB

924'XSB' 926'XSB' 928'XSB' 930'XSB' 932'XSB' 934'XSB' 936'XSB' 938'XSB'

2324 2326 2328 2330 2332 2334 2336

2323+00.0
47.2'RT

2322+80.4
48.0'RT
(EDGELINE
TAPER POINT)

BEGIN NB MARKING
PROJECT 1007-11-76
STA 2323+00

2325+80.2
36.0'RT

BEGIN SB MARKING
PROJECT 1007-11-76
STA 937+86'XSB'

MATCH LINE 2337+50

M06-01
WEST 39 90 MILE 146 .8

R06-01
NORTH WEST 39 90

06-01
NORTH WEST 39 90
J4-2
72"x54"

R06-02
SPEED LIMIT 70

M06-02
WEST 39 90 MILE 146 .6
D10-5A

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 06 OF 12	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/12/2017 8:02 AM PLOT BY : SEH LAYOUT NAME : 06 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
5	TEMPORARY MARKING LINE EPOXY 8-INCH (WHITE)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

N

SLOWER TRAFFIC KEEP RIGHT
EXISTING SIGN TO REMAIN

EXIT 147
N
Stoughton
Cottage Grove
3/4 MILE
EXISTING SIGN TO REMAIN

EAST 39 90 MILE 146 .4
EXISTING SIGN TO REMAIN

EXISTING R/W (TYP)

941+39.6'XSB'
24.0'LT

949+39.3'XSB'
39.0'LT

949+39.5'XSB'
24.0'LT

952'XJC'
SB ENTRANCE RAMP

948+89.5'XSB'
24.0'LT

IH 39 SB

940'XSB' 942'XSB' 944'XSB' 946'XSB' 948'XSB' 950'XSB' 952'XSB'

MATCH LINE 2337+50

MATCH LINE 2352+50

2338 2340 2342 2344 2346 2348 2350 2352

IH 39 NB

+54 +53 +52 +52 +52

OH

07-01
SPEED LIMIT 70
R2-1
48"X60"

M07-01
WEST 39 90 MILE 146 .4
D10-5A

07-02
Madison 3
94 7
Wis Dells 58
D2-3
168"x90"
(TYPE I)

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

2

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

EXISTING R/W (TYP)

EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

954'XJC' 956'XJC' 958'XJC' 960'XJC' 962'XJC' 963'XJD' 964'XJD' 966'XJD' 968'XJD'

SB EXIT RAMP

IH 39 SB

954'XSB' 956'XSB' 958'XSB' 960'XSB' 962'XSB' 964'XSB' 966'XSB' 968'XSB'

MATCH LINE 2352+50

2354 2356 2358 2360 2362 2364 2366

IH 39 NB

MATCH LINE 2367+50

M08-01
WEST
39
90
MILE
146
.2
D10-5A

M08-02
WEST
39
90
MILE
146
.0
D10-5A

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

2

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
5	TEMPORARY MARKING LINE EPOXY 8-INCH (WHITE)
6	TEMPORARY MARKING LINE EPOXY 8-INCH (WHITE) (3 FT LINE 9 FT SKIP)
96	SINGLE DELINEATOR BRACKET ASSEMBLY (200 FT SPACING) (YELLOW)
97	DOUBLE DELINEATOR ASSEMBLY (YELLOW)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

WRONG WAY
EXISTING SIGNS TO REMAIN

WEIGH STATION
OPEN/CLOSE CMS
EXISTING SIGNS TO REMAIN

PROPOSED R/W (TYP)

R3-4B
M09-03

EAST 39 90 MILE 145 .8
EXISTING SIGN TO REMAIN

EXISTING R/W (TYP)

970'XJD'
972'XJD'
SB EXIT RAMP
973+76.4'XSB' 24.0'LT
974+26.4'XSB' 24.0'LT
979+72.7'XSB' 24.0'LT

970'XSB' 972'XSB' 974'XSB' 976'XSB' 978'XSB' 980'XSB' 982'XSB'

IH 39 SB
IH 39 NB

MATCH LINE 2367+50
MATCH LINE 2382+00

2368 2370 2372 2374 2376 2378 2380

M09-01
R3-4B

M09-02
WEST 39 90 MILE 145 .8
D10-5A

SEPTIC

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 09 OF 12	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG
PLOT DATE : 10/10/2017 6:27 PM
PLOT BY : SEH
LAYOUT NAME : 09
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\DV\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

2

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

WEIGH STATION
OPEN/CLOSE CMS
EXISTING SIGNS TO REMAIN

EAST 39 90 MILE 145 .6
EXISTING SIGN TO REMAIN

NARROW BRIDGE
EXISTING SIGN TO REMAIN

Hwy MN
EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

PROPOSED R/W (TYP)

BEGIN MARKING
STA 50+00'MN'

TLE (TYP)

CTH MN

IH 39 SB

IH 39 NB

984'XSB' 986'XSB' 988'XSB' 990'XSB' 992'XSB' 994'XSB' 996'XSB'

2382 2384 2386 2388 2390 2392 2394 2396

MATCH LINE 2382+00

MATCH LINE 2396+50

10-01
Hwy MN
M1-94
60"x21"

R10-01
Hwy MN
REMOVE

(1) (DBL)

MATCH EXISTING EDGE & ℄ LINES

END MARKING
STA 53+50'MN'

M10-01
WEST 39 90 MILE 145 .6
D10-5A

35 M.P.H.
EXISTING SIGN TO REMAIN

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON WOOD POST(S)
- PROPOSED SIGN MOUNTED ON WOOD POST(S)
- EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
- x00-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

KEYNOTE LEGEND: PAVEMENT MARKING

(1)	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
(2)	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
(3)	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
(96)	SINGLE DELINEATOR BRACKET ASSEMBLY (200 FT SPACING) (YELLOW)
(98)	SINGLE DELINEATOR ASSEMBLY (WHITE)

KEYNOTE LEGEND: PAVEMENT MARKING	
1	TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
2	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
3	TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
98	SINGLE DELINEATOR ASSEMBLY (WHITE)

DOOR CREEK

WEIGH-IN-MOTION CMS
EXISTING SIGN TO REMAIN

EAST 39 90 MILE 145 .4
EXISTING SIGN TO REMAIN

WEIGH-IN-MOTION CMS
EXISTING SIGN TO REMAIN

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

EAST 39 90 MILE 145 .2
EXISTING SIGN TO REMAIN

TRUCKS OVER 5 TONS STOP AT WEIGH STA.
EXISTING SIGN TO REMAIN

N

IH 39 SB

IH 39 NB

MATCH LINE 2396+50

998'XSB' 1000'XSB' 1002'XSB' 1004'XSB' 1006'XSB' 1008'XSB' 1010'XSB' 1012'XSB'

2398 2400 2402 2404 2406 2408 2410

MATCH LINE 2411+49

12' 12' 12' 12'

+99 +66 +66 +66 +99

1 2 3

98

DOOR CREEK

M11-01
WEST 39 90 MILE 145 .4
D10-5A

11-01
511 TRAVEL INFO CALL 511
D12-5
60"X66"

M11-02
WEST 39 90 MILE 145 .2
D10-5A

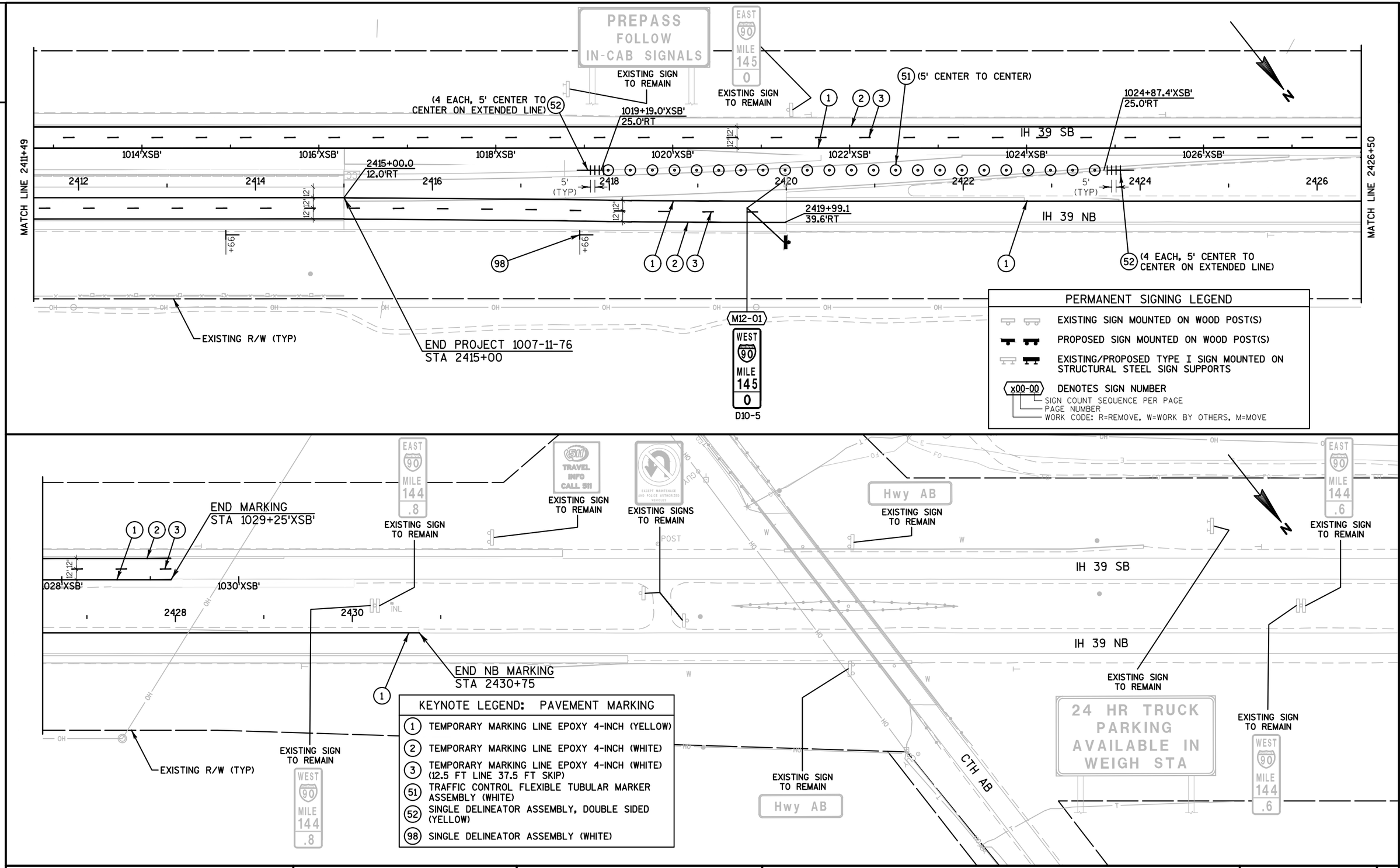
PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON WOOD POST(S)
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
	EXISTING/PROPOSED TYPE I SIGN MOUNTED ON STRUCTURAL STEEL SIGN SUPPORTS
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 11 OF 12	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/10/2017 6:27 PM PLOT BY : SEH LAYOUT NAME : 11 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS



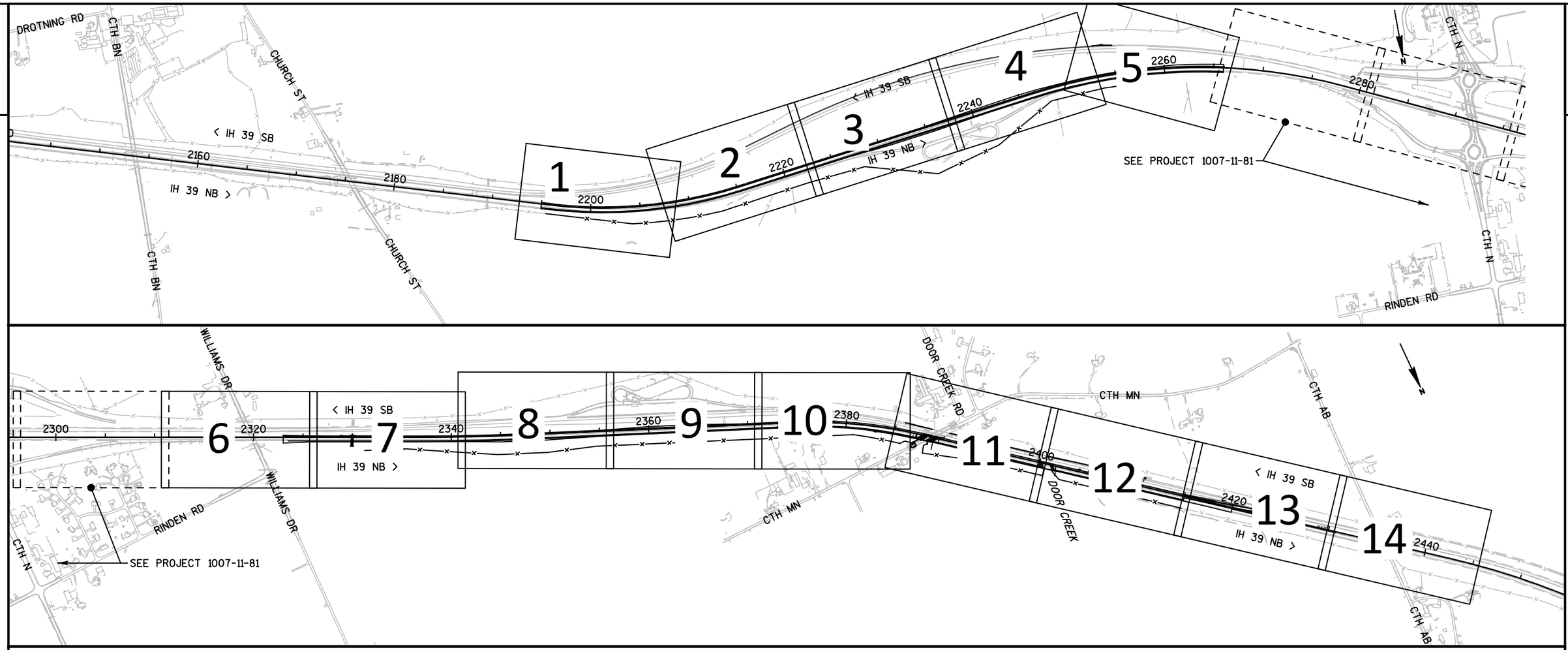
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	PAGE 12 OF 12	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 10/10/2017 6:27 PM PLOT BY : SEH LAYOUT NAME : 12 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

TEMPORARY PAVEMENT

GENERAL NOTES: TRAFFIC CONTROL

1. THE FOLLOWING NOTES ARE APPLICABLE TO ALL STAGES. SEE THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL AND CONSTRUCTION STAGING REQUIREMENTS.
2. NORTHBOUND AND SOUTHBOUND, PORTABLE CHANGEABLE MESSAGES SIGNS (PCMS), ON IH 39, SHALL BE LOCATED BY WISDOT SOUTHWEST REGION TRAFFIC SECTION.
3. FOR APPLICATION OF REGULATORY OR ADVISORY SPEED LIMIT SIGNS, CONTACT RICH CANNON, I-39/90 TRAFFIC MANAGEMENT ENGINEER, AT (608) 884-1160.
4. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.
5. ALL "WO" OR "W" DIAMOND SHAPED WARNING SIGNS, SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.
6. ALL DRUMS IN TAPERS SHALL HAVE A TRAFFIC CONTROL WARNING LIGHTS TYPE C, (STEADY BURN).
7. MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.
8. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.
9. ALL SHORT TERM LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROW BOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION. DRUMS ADJACENT TO GUARDRAIL SHOULD BE STORED BEHIND THE GUARDRAIL IN LOCATIONS WHERE PRACTICAL.
10. SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.
11. DIMENSIONS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE FACE OF THE BARRIER ADJACENT TO TRAFFIC. STATION/OFFSET CALL-OUTS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE CENTER OF THE BARRIER.
12. ALWAYS PROVIDE A MINIMUM OF 2' CLEAR FROM EDGE OF TRAVEL LANE TO THE TOE OF THE CONCRETE BARRIER TEMPORARY PRECAST.
13. WITHIN 2 FEET OF TRAVEL LANE, EXISTING SHOULDER SHALL BE REPLACED WITH NEW PAVEMENTS IN THE SAME NIGHT. NO AGGREGATE SHOULDERS SHALL BE PERMITTED ADJACENT TO TRAVEL LANES.

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - GENERAL NOTES & SHEET INDEX	SHEET E

FILE NAME : 025200_TC (IH 39 TRAF CNTRL OVERVIEW & GEN NOTES).DWG PLOT DATE : 10/9/2017 5:58 PM PLOT BY : SEH LAYOUT NAME : 025000_TC (TC GEN NOTES & SHEET INDEX) PLOT SCALE : 1.0 IN = 1000.0 FT
WISDOT/CADDS SHEET 42

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

TEMPORARY PAVEMENT

DRAWING NOTE:

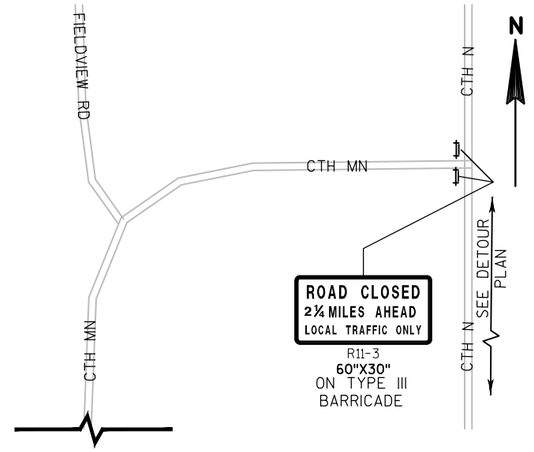
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR ADDITIONAL INFORMATION

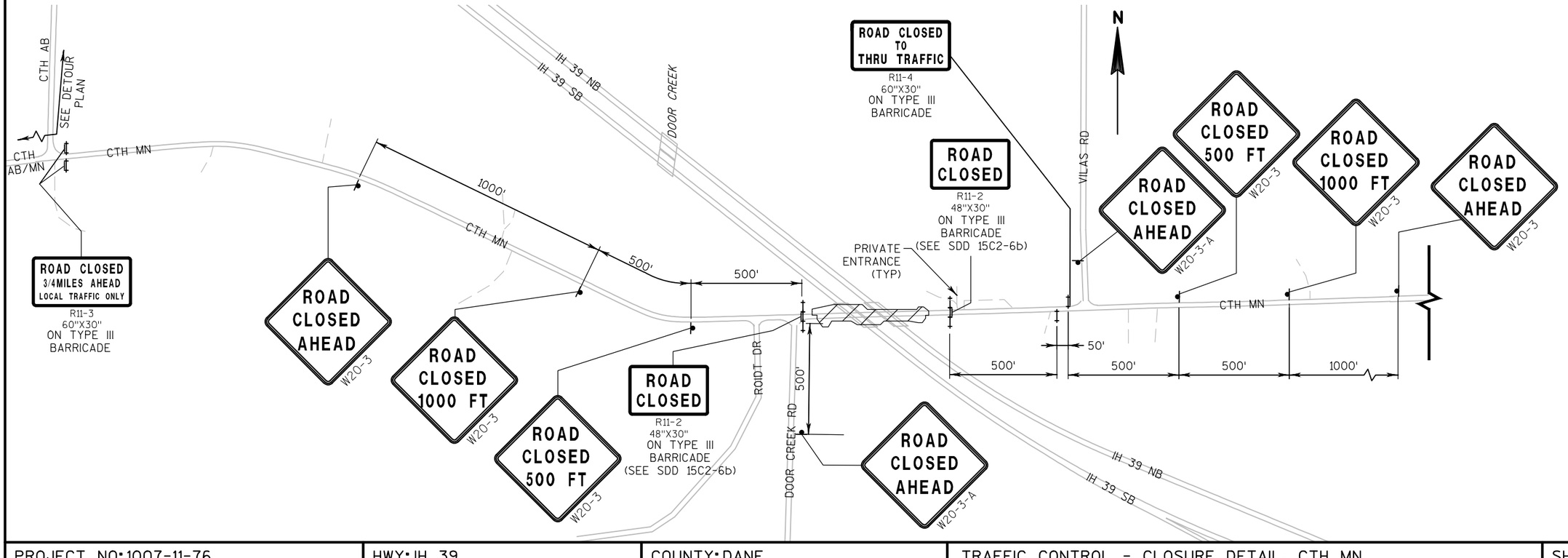
UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.

SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.

GENERAL NOTES: TRAFFIC CONTROL

1. THE FOLLOWING NOTES ARE APPLICABLE TO ALL STAGES. SEE THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL AND CONSTRUCTION STAGING REQUIREMENTS.
2. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.
3. ALL "WO" OR "W" WARNING SIGNS, SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.
4. MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.
5. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.
6. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.
7. SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.





PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - CLOSURE DETAIL, CTH MN	SHEET	E

FILE NAME : 025001_TC (TC CLOSURE DETAIL CTH MN).DWG | PLOT DATE : 10/9/2017 5:58 PM | PLOT BY : SEH | LAYOUT NAME : 01 | PLOT SCALE : 1.0 IN = 500.0 FT

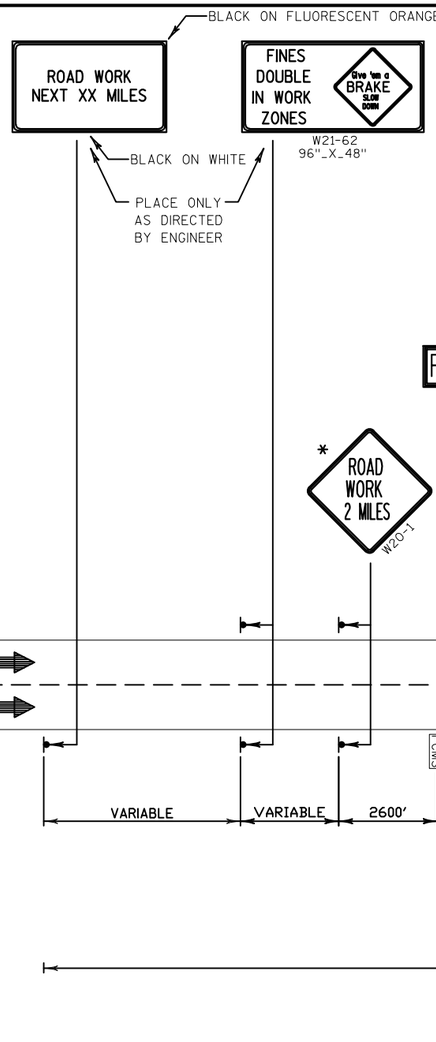
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN



TRAFFIC CONTROL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, 500 FEET DESIRABLE, DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

TRAFFIC CONTROL DEVICES NOT IN USE SHALL BE LAYED DOWN OR REMOVED, TURNING OF DEVICES TO OBSCURE THE MESSAGE WILL NOT BE ALLOWED.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS WITH A MINIMUM 5' MOUNTING HEIGHT.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 7 CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

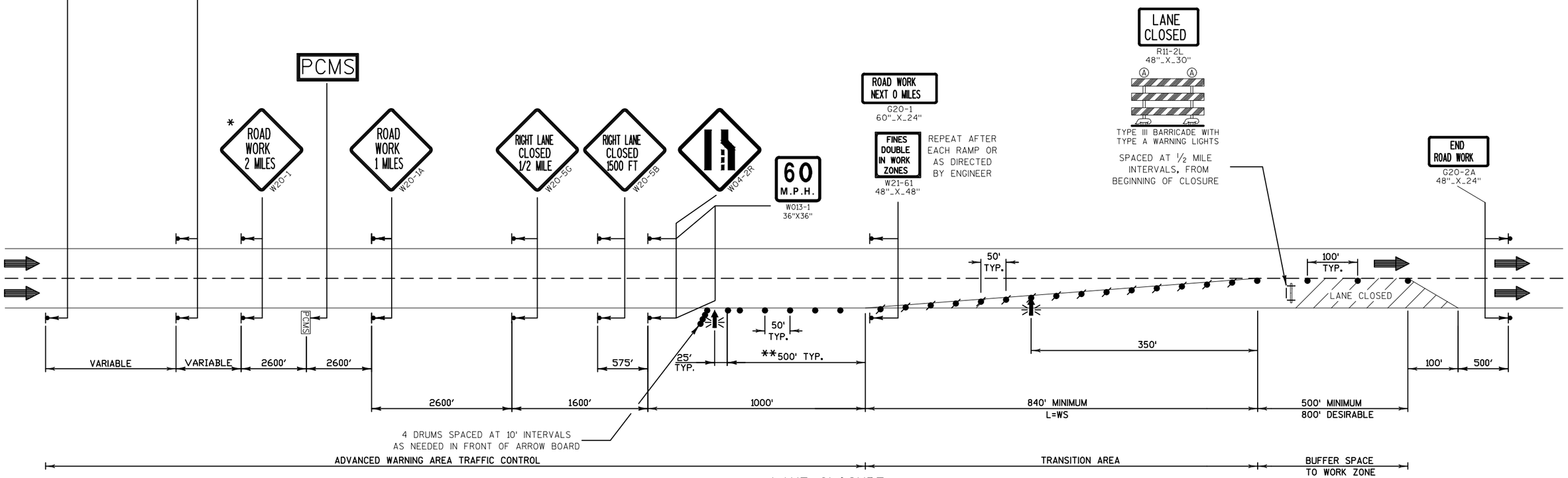
IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY ½ MILE ACROSS THE CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ½ THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* OPTIONAL - USE WHEN WARRANTED BY ROADWAY GEOMETRICS OR TRAFFIC VOLUMES

** CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM OF 1500 FEET IN FRONT OF THE DRUMS.

COVERING AND REMOVAL OF MATERIAL COVERING TEMPORARY REGULATORY SPEED LIMIT SIGNS AND EXISTING SPEED LIMIT SIGNS RELATED TO TEMPORARY AND/OR PERIODIC LANE CLOSURES SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.



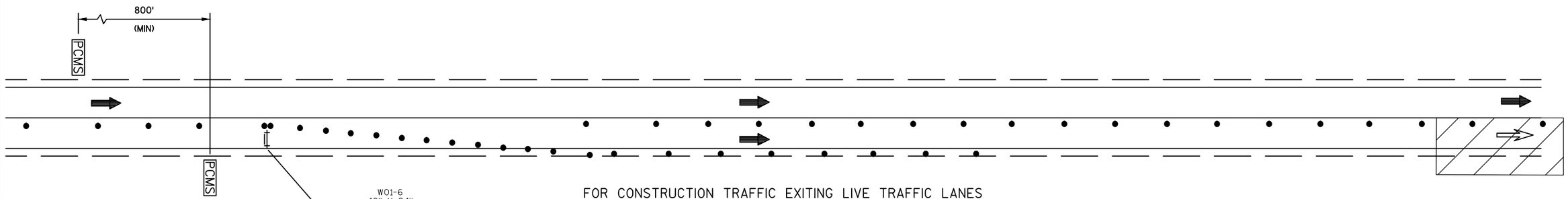
LANE CLOSURE

(SEE TRAFFIC CONTROL PLANS FOR LOCATIONS)

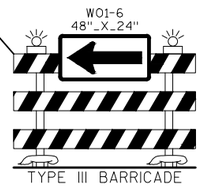
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL DETAIL	SHEET 111	E

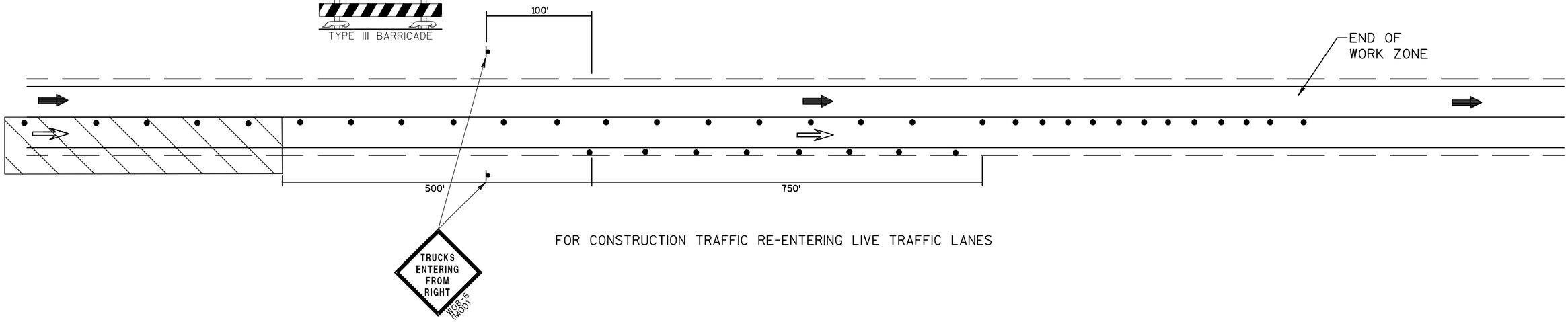
SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2



FOR CONSTRUCTION TRAFFIC EXITING LIVE TRAFFIC LANES





FOR CONSTRUCTION TRAFFIC RE-ENTERING LIVE TRAFFIC LANES

NOTE:
SPACING AND LOCATIONS OF DEVICES IN THE FIELD
SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER

SEE OTHER TRAFFIC CONTROL DETAILS AND STANDARD
DETAIL DRAWINGS FOR LANE CLOSURE DETAILS

PORTABLE MESSAGE SIGN MESSAGES SHOULD READ:

FRAME 1	FRAME 2
TRUCKS EXITING RIGHT	TRAFFIC STAY LEFT

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL SIGN
- IH 39 TRAFFIC
- CONSTRUCTION TRAFFIC
- WORK ZONE
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

TRAFFIC CONTROL DETAIL FOR CONSTRUCTION ACCESS AT LANE CLOSURES

NIGHT USE ONLY

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL DETAIL	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007116\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

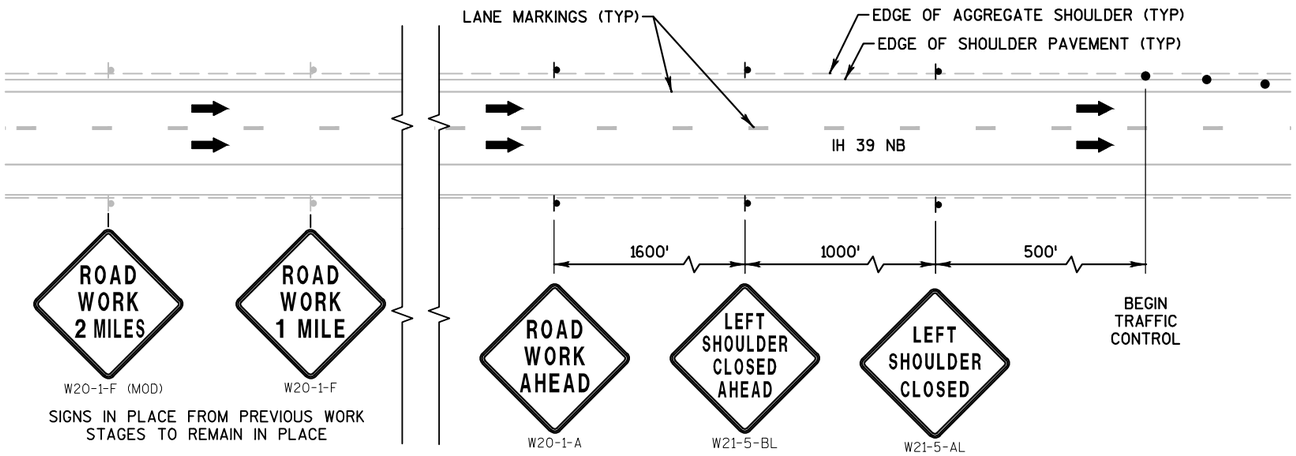
FILE NAME : 025000_TC (CMT TRAF CNTRL DETAIL - IH 39- TRUCK ACCESS AT LANE CLOSURE).DWG PLOT DATE : 10/9/2017 5:59 PM PLOT BY : CMT LAYOUT NAME : 04 PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 42

SPACING AND LOCATIONS OF DEVICES IN THE FIELD SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER.

LEFT SHOULDER CLOSURE SHOWN. MIRROR LAYOUT AND SIGN MESSAGES FOR RIGHT SHOULDER CLOSURE.

ALL "WO" OR "W" DIAMOND SHAPED WARNING SIGNS, SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED.



TRAFFIC CONTROL ADVANCED WARNING AREA - SHOULDER CLOSURE

IH 39 NORTHBOUND OR SOUTHBOUND (NB SHOWN)

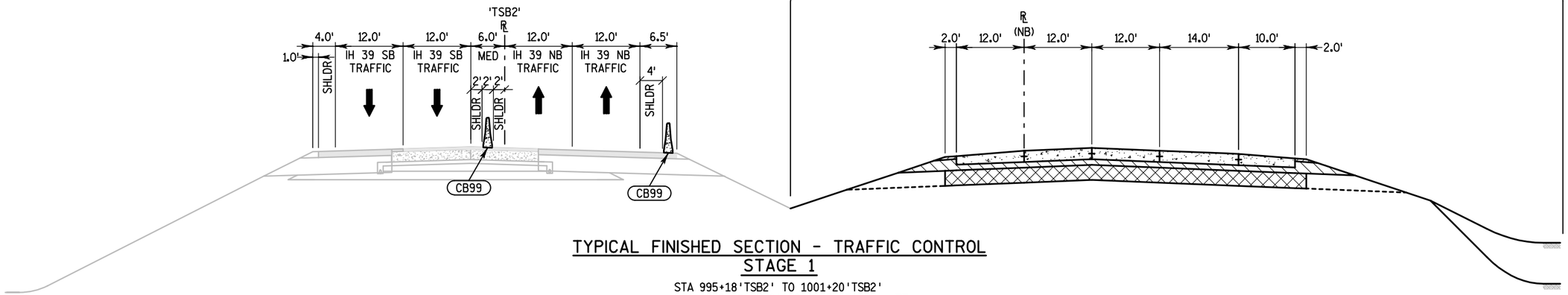
TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

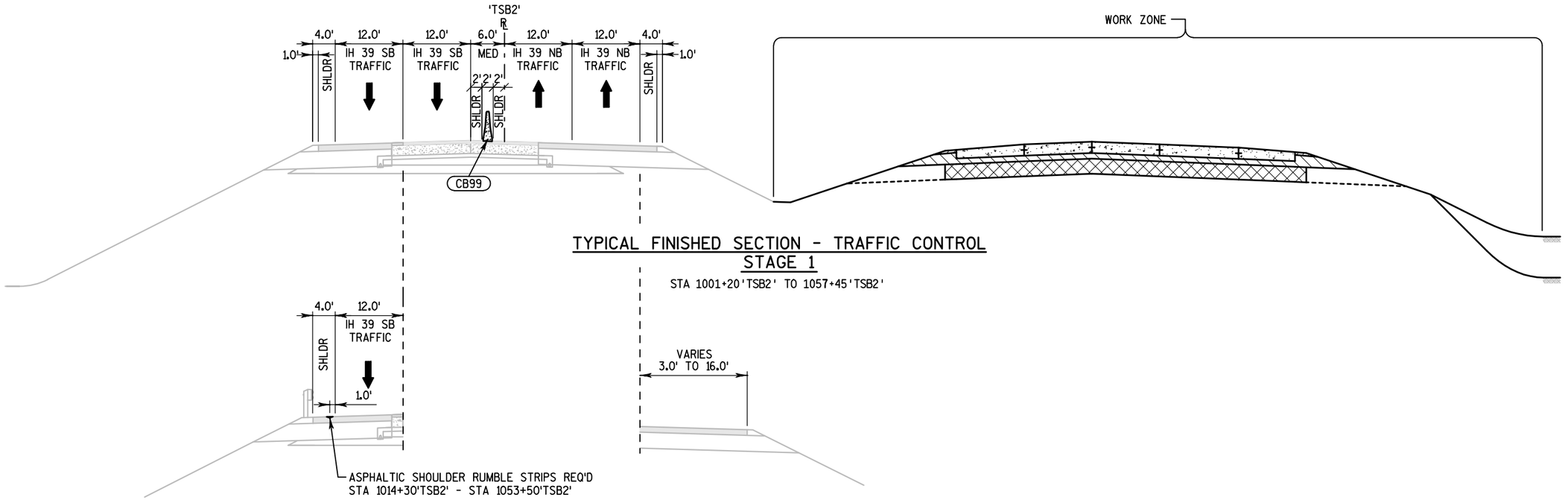
TEMPORARY PAVEMENT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL



TYPICAL FINISHED SECTION - TRAFFIC CONTROL STAGE 1

STA 995+18'TSB2' TO 1001+20'TSB2'
STA 1052+79'TSB2' TO 1057+45'TSB', RT



TYPICAL FINISHED SECTION - TRAFFIC CONTROL STAGE 1

STA 1001+20'TSB2' TO 1057+45'TSB2'

STA 1014+30'TSB2' TO 1054+14'TSB2'

TEMPORARY EMERGENCY PULLOUT

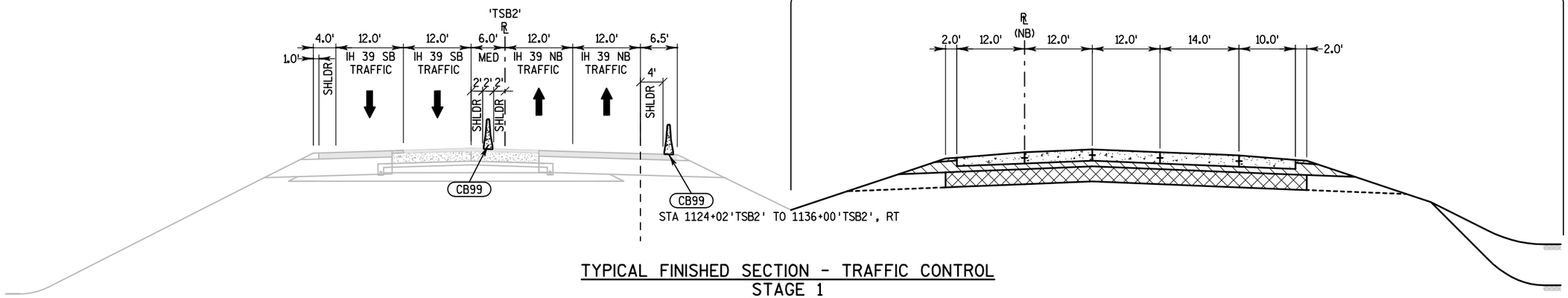
STA 1027+69'TSB2' TO 1044+18'TSB2'

KEYNOTE LEGEND: TYPICAL SECTIONS

CB99	CONCRETE BARRIER TEMPORARY PRECAST

PROJECT NO:1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - TYPICAL SECTIONS, STAGE 1	SHEET 114	E

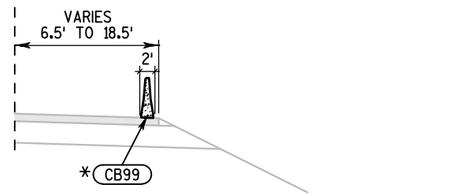
SAVE FOLDER PATH:P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL



STA 1124+02'TSB2' TO 1136+00'TSB2', RT

TYPICAL FINISHED SECTION - TRAFFIC CONTROL STAGE 1

STA 1124+02'TSB2' TO 1179+28'TSB2'



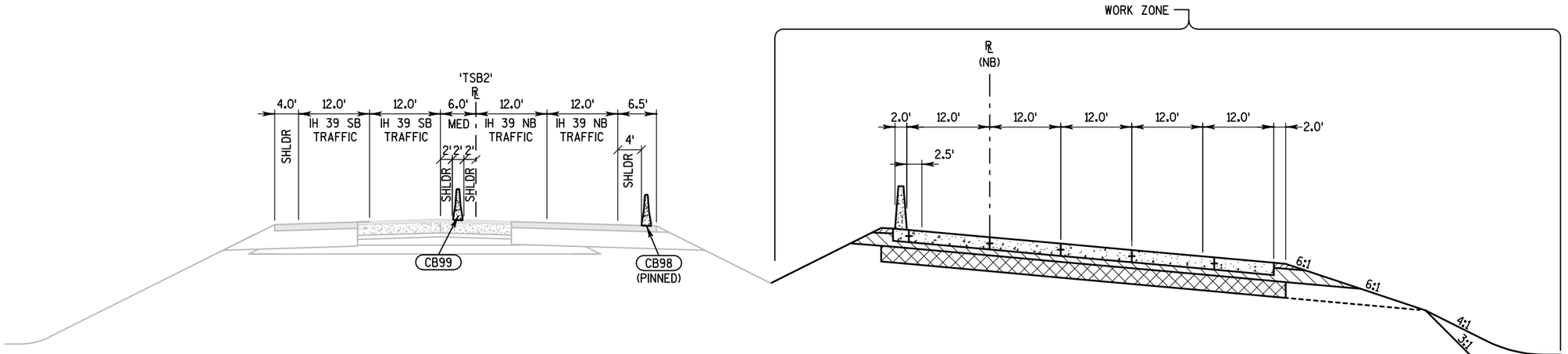
* STA 1164+80'TSB2' TO 1166+73'TSB2'

TEMPORARY EMERGENCY PULLOUT

STA 1151+87'TSB2' TO 1166+73'TSB2'

KEYNOTE LEGEND: TYPICAL SECTIONS

CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
CB99	CONCRETE BARRIER TEMPORARY PRECAST



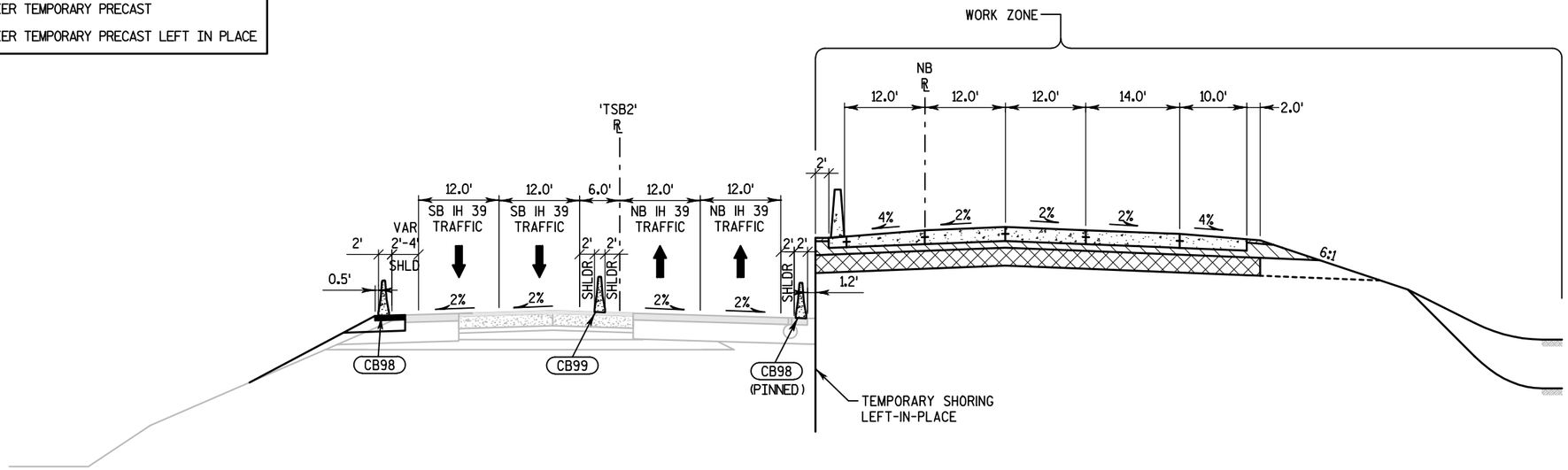
TYPICAL FINISHED SECTION - TRAFFIC CONTROL STAGE 1

STA 1179+28'TSB2' TO 1186+39'TSB2'
STA 1205+16'TSB2' TO 1216+15'TSB2', RT
STA 1211+80'TSB2' TO 1216+15'TSB2', LT

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - TYPICAL SECTIONS, STAGE 1	SHEET 115	E

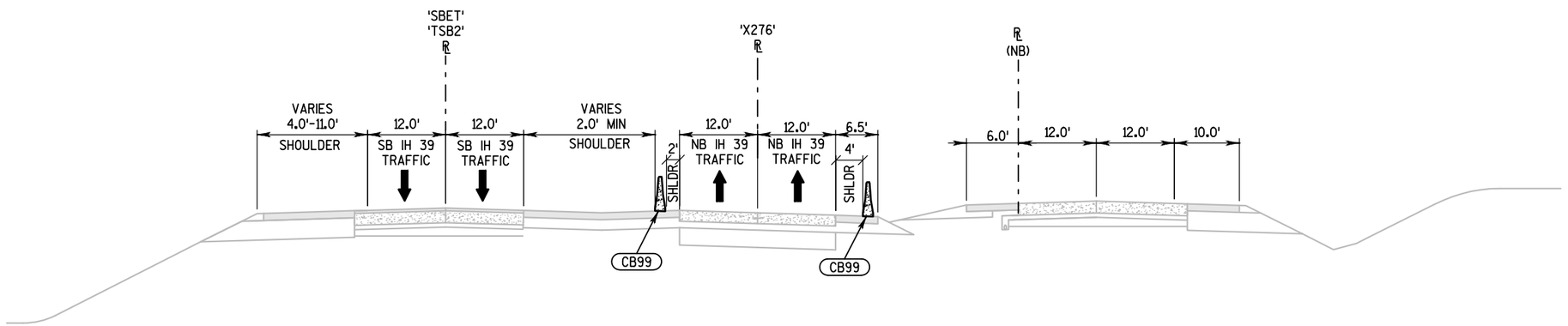
KEYNOTE LEGEND: TYPICAL SECTIONS

CB99	CONCRETE BARRIER TEMPORARY PRECAST
CB98	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 1

STA 1186+39'TSB2' TO STA 1205+16'TSB2'
STA 1205+16'TSB2' TO STA 1211+80'TSB2', LT



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 1

STA 1466+92'X276' TO STA 1475+48'X276'
STA 216+15'SBET' TO STA 224+40'SBET'

SAVE FOLDER PATH:P:\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

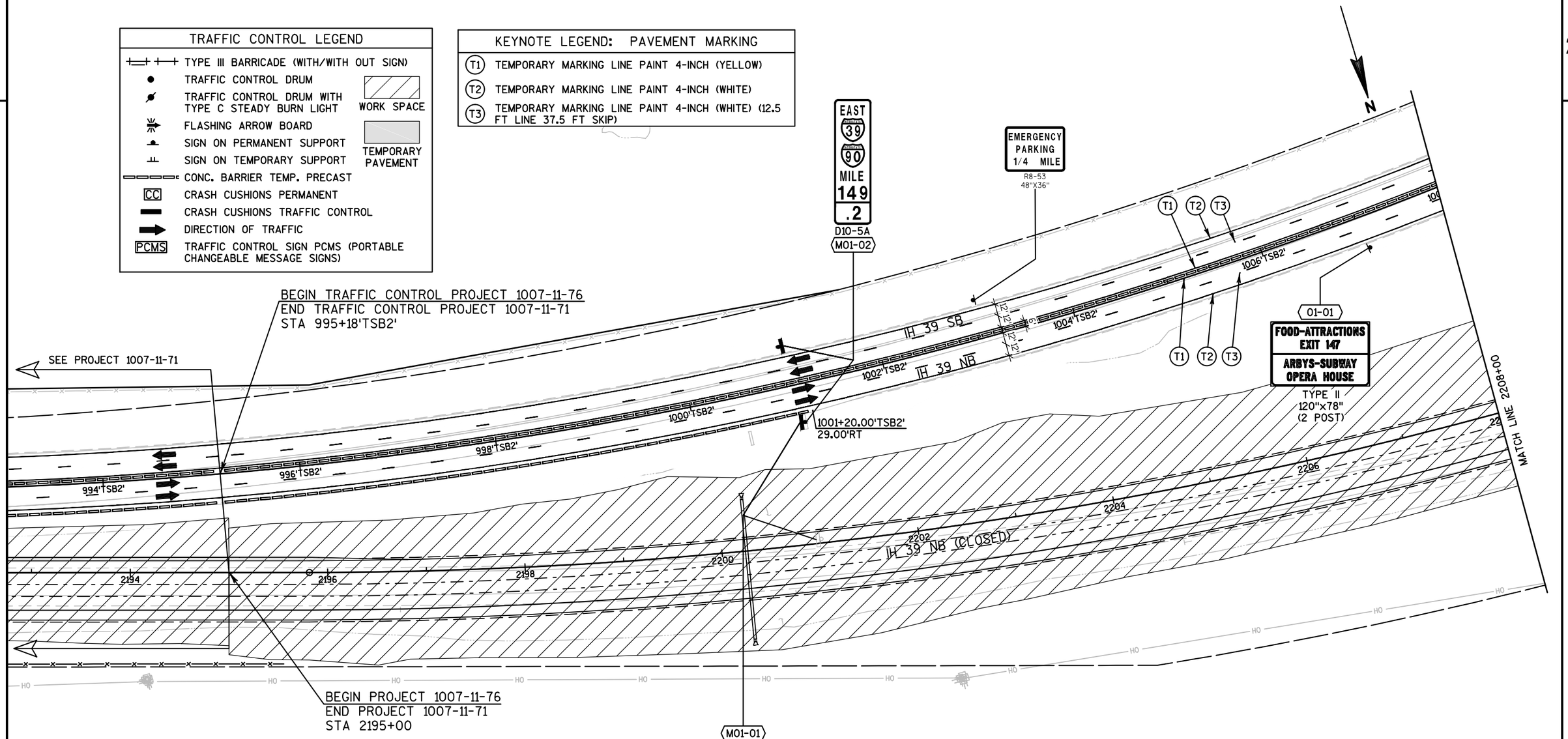
PROJECT NO:1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - TYPICAL SECTIONS, STAGE 1	SHEET 116	E

FILE NAME : 025301_TC_TS (TC TYP SEC NORTH).DWG | PLOT DATE : 10/10/2017 3:14 PM | PLOT BY : SEH | LAYOUT NAME : STG 1 (3) | PLOT SCALE : 1 IN:20 FT

2

TRAFFIC CONTROL LEGEND	
TYPE III BARRICADE (WITH/WITH OUT SIGN)	
TRAFFIC CONTROL DRUM	WORK SPACE
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	
FLASHING ARROW BOARD	TEMPORARY PAVEMENT
SIGN ON PERMANENT SUPPORT	
SIGN ON TEMPORARY SUPPORT	
CONC. BARRIER TEMP. PRECAST	
CC CRASH CUSHIONS PERMANENT	
CRASH CUSHIONS TRAFFIC CONTROL	
DIRECTION OF TRAFFIC	
PCMS TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)	

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)



STAGE 1 CONSTRUCTION SUMMARY

CONSTRUCTION OPERATIONS CONCURRENT WITH PROJECTS 1007-11-71 AND 1007-11-81.

CONSTRUCT NB IH 39 CONCRETE PAVEMENTS AND TEMPORARY HMA SHOULDERS.

CONSTRUCT BRIDGE STRUCTURES B-13-723 AND B-13-725.

CONSTRUCT CULVERT STRUCTURE C-13-3089 STG 2.

CONSTRUCT RETAINING WALL STRUCTURES R-13-260 AND R-13-261.

MAINTENANCE OF TRAFFIC

ALL TRAFFIC BIDIRECTIONAL ON SB IH 39.

CTH MN TO BE CLOSED WITH A POSTED DETOUR ROUTE.

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

TEMPORARY PAVEMENT

ASPHALTIC SHOULDER RUMBLE STRIPS REQ'D
STA 1014+30'TSB2' - STA 1053+50'TSB2

N

EAST 39 90 MILE 149 .0 — D10-5A — M02-04

EAST 39 90 MILE 148 .8 — D10-5A — M02-03

WEST 39 90 MILE 149 .0 — D10-5A — M02-01

WEST 39 90 MILE 148 .8 — D10-5A — M02-02

IH 39 SB

IH 39 NB

IH 39 NB (CLOSED)

1010'TSB2' 1012'TSB2' 1014'TSB2' 1016'TSB2' 1018'TSB2' 1020'TSB2' 1022'TSB2'

T1 T2 T3

12' 12' 12'

EMERGENCY PARKING 1/4 MILE
R8-53
48"X36"

TYPE II
78"x18"
02-01

EXIT 147
N
Stoughton
Cottage Grove
1 MILE

TYPE II
132"x84"
(3 POST)

MATCH LINE 2208+00

MATCH LINE 2222+80

2210 2212 2214 2216 2218 2220 2222

OH

KEYNOTE LEGEND: PAVEMENT MARKING

T1	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 02 OF 14	SHEET	E

SAVE FOLDER PATH: \\SEH-MADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG PLOT DATE : 10/9/2017 6:01 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

ASPHALTIC SHOULDER RUMBLE STRIPS REQ'D
STA 1014+30'TSB2' - STA 1053+50'TSB2

TEMPORARY CONCRETE BARRIER GATE REQ'D

IH 39 SB

IH 39 NB

1024'TSB2' 1026'TSB2' 1028'TSB2' 1030'TSB2' 1032'TSB2' 1034'TSB2' 1036'TSB2'

T1 T2 T3

12' 12' 6' 12' 12'

N

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

TEMPORARY PAVEMENT

M03-01

WEST 39 90 MILE 148 .6

D10-5A

M03-02

EAST 39 90 MILE 148 .6

D10-5A

03-01

Glacial Drumlin State Trail
Lake Kegonsa State Park
EXIT 147

TYPE II
114"x78"
(2 POST)

MATCH LINE 2222+80

2224 2226 2228 2230 2232 2234 2236

IH 39 NB (CLOSED)

NB EXIT RAMP (CLOSED)

NB SWEF (CLOSED)
(A.K.A. UTICA SCALE #17)

MATCH LINE 2237+80

KEYNOTE LEGEND: PAVEMENT MARKING

- (T1) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- (T2) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- (T3) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 03 OF 14	SHEET 119	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007101176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

ASPHALTIC SHOULDER RUMBLE STRIPS REQ'D
STA 1014+30'TSB2' - STA 1053+50'TSB2

EAST 39 90 MILE 148 .4
D10-5A
M04-02

1038'TSB2'
1040'TSB2'
1042'TSB2'
1044'TSB2'
1046'TSB2'
1048'TSB2'
1050'TSB2'
1052'TSB2'

39 SB
39 NB

12' 12' 6' 12' 12'

T1 T2 T3

EMERGENCY PARKING 2 HR MAX
R8-54
48"X36"

WEST 39 90 MILE 148 .4
D10-5A
M04-01

04-01
GAS-EXIT 147
ROAD RANGER BP
TYPE II
120"x66"
(2 POST)

50' (TYP)

N

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE
TEMPORARY PAVEMENT

MATCH LINE 2237+80

2238 2240 2242 2244 2246 2248 2250

IH 39 NB (CLOSED)

MATCH LINE 2252+00

NB ENTRANCE RAMP (CLOSED)

NB SWEF (CLOSED)
(A.K.A. UTICA SCALE #17)

KEYNOTE LEGEND: PAVEMENT MARKING

- (T1) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- (T2) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- (T3) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 04 OF 14	SHEET 120	E

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG
PLOT DATE : 10/9/2017 6:01 PM
PLOT BY : SEH
LAYOUT NAME : 04
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

EAST 39 90 MILE 148 .2
D10-5A
M05-04

W05-52R
18"x54"
(BARRIER MOUNT REQUIRED)

W05-52R
18"x54"
(BARRIER MOUNT REQUIRED)

1053+52.37'TSB2'
36.00'LT

1053+27.49'TSB2'
36.00'LT

1052+79.24'TSB2'
29.00'RT

1052+54.20'TSB2'
31.00'RT

1054+14.87'TSB2'
41.00'LT

SEE PROJECT 1007-11-81

50'
(TYP)

IH 39 SB

IH 39 NB

IH 39 NB (CLOSED)

T1 T2 T3

1054'TSB2'
1056'TSB2'
1058'TSB2'
1060'TSB2'
1062'TSB2'
1064'TSB2'
1066'TSB2'

END TRAFFIC CONTROL PROJECT 1007-11-76
BEGIN TRAFFIC CONTROL PROJECT 1007-11-81
STA 1057+45'TSB2'

M05-01

WEST 39 90 MILE 148 .2
D10-5A

MATCH LINE 2252+00

2252
2254
2256
2258
2260
2262
2264
2266

OH

END CONSTRUCTION PROJECT 1007-11-71
BEGIN CONSTRUCTION PROJECT 1007-11-81
STA 2266+00

M05-02

WEST 39 90 MILE 148 .0
D10-5A

EAST 39 90 MILE 148 .0
D10-5A
M05-03

N

KEYNOTE LEGEND: PAVEMENT MARKING

T1	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

TEMPORARY PAVEMENT

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG
PLOT DATE : 10/12/2017 7:45 AM
PLOT BY : SEH
LAYOUT NAME : 05
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007111\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

WILLIAMS DR

EAST 39 90 MILE 146 .8

D10-5A
M06-03

BEGIN TRAFFIC CONTROL PROJECT 1007-11-76
END TRAFFIC CONTROL PROJECT 1007-11-81
STA 1124+00'TSB2'

SEE PROJECT 1007-11-81

1124+01.90'TSB2'
3.00'LT

1124+01.90'TSB2'
29.00'RT

SB EXIT RAMP

IH 39 SB

IH 39 NB

NB ENTRANCE RAMP

1112'TSB2' 1114'TSB2' 1116'TSB2' 1118'TSB2' 1120'TSB2' 1122'TSB2' 1124'TSB2' 1126'TSB2'

2312 2314 2316 2318 2320 2322 2324

IH 39 NB (CLOSED)

T1 T2 T3

12' 12' 12' 12'

MATCH LINE 2326+00

BEGIN CONSTRUCTION PROJECT 1007-11-76
END CONSTRUCTION PROJECT 1007-11-81
STA 2323+00

WILLIAMS DR

RINDEN RD

M06-01
WEST 39 90 MILE 146 .8
D10-5A

M06-02
NORTH WEST 39 90
MOVE TO
STA 1131+25'TSB2'

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

TEMPORARY PAVEMENT

KEYNOTE LEGEND: PAVEMENT MARKING

- (T1) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- (T2) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- (T3) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 06 OF 14	SHEET	E

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG PLOT DATE : 10/12/2017 7:45 AM PLOT BY : SEH LAYOUT NAME : 06 PLOT SCALE : 1.0 IN = 100.0 FT

2

HOSPITAL
EXIT 147

EXISTING SIGN
TO REMAIN

Lake Kegonsa
State Park
EXIT 147

EXISTING SIGN
TO REMAIN

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

N

EAST
39 (INTERSTATE) 90 (INTERSTATE)
MILE
146
.6
D10-5A
M07-03

SLOWER
TRAFFIC
KEEP
RIGHT
EXISTING SIGN
TO REMAIN

1136+08.40'TSB2'
30.00'LT

1140+80.64'TSB2'
42.00'LT

IH 39 SB

IH 39 NB

1136+00.00'TSB2'
29.00'RT

1128'TSB2' 1130'TSB2' 1132'TSB2' 1134'TSB2' 1136'TSB2' 1138'TSB2' 1140'TSB2' 1142'

T1 T2 T3

MATCH LINE 2326+00

MATCH LINE 2341+00

2326 2328 2330 2332 IH 39 NB (CLOSED) 2334 2336 2338 2340

OH

M07-04
NORTH WEST
INTERSTATE INTERSTATE
39 90
J4-2
MOVE FROM
STA 1126+00'TSB2'

M07-01
SPEED
LIMIT
70
R2-1

M07-02
WEST
39 (INTERSTATE) 90 (INTERSTATE)
MILE
146
.6
D10-5A

EMERGENCY
PARKING
1/4 MILE
R8-53
48"X36"

TRAFFIC CONTROL LEGEND	
TYPE III BARRICADE (WITH/WITH OUT SIGN)	
TRAFFIC CONTROL DRUM	
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	WORK SPACE
FLASHING ARROW BOARD	
SIGN ON PERMANENT SUPPORT	TEMPORARY PAVEMENT
SIGN ON TEMPORARY SUPPORT	
CONC. BARRIER TEMP. PRECAST	
CC CRASH CUSHIONS PERMANENT	
CRASH CUSHIONS TRAFFIC CONTROL	
DIRECTION OF TRAFFIC	
PCMS TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)	

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 07 OF 14	SHEET	E

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG
PLOT DATE : 10/9/2017 6:01 PM
PLOT BY : SEH
LAYOUT NAME : 07
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

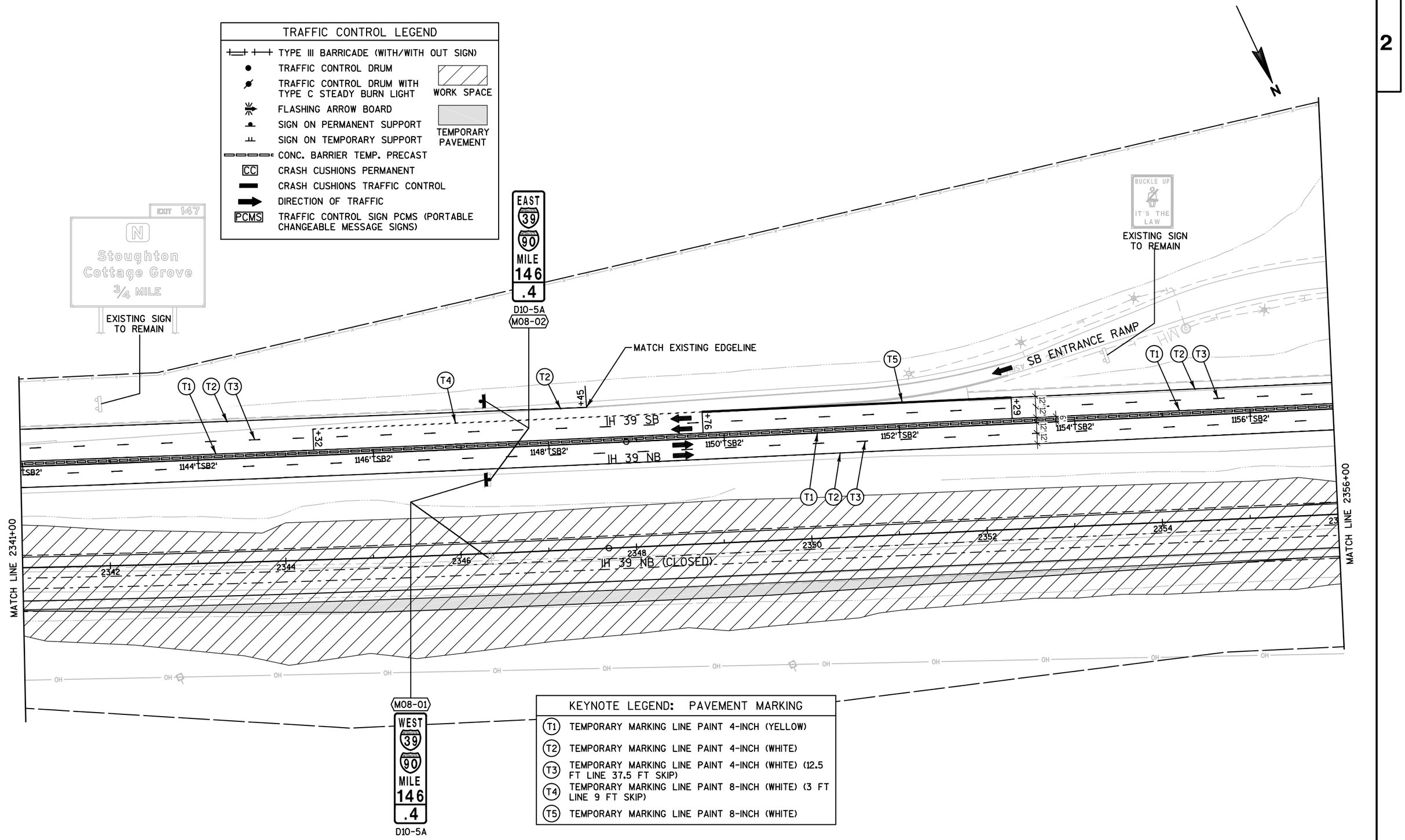
2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

TEMPORARY PAVEMENT



KEYNOTE LEGEND: PAVEMENT MARKING

T1	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE) (3 FT LINE 9 FT SKIP)
T5	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)

2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

TEMPORARY PAVEMENT

EAST 39 Alternate 90 MILE 146 .2
D10-5A
M09-04

EXISTING SIGN TO REMAIN

FOOD-EXIT 147 (ARBYS, SUBWAY)
ATTRACTION-EXIT 147 (STOUGHTON OPERA HOUSE)

EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

W05-52R
18"x54"
(BARRIER MOUNT REQUIRED)

DO NOT ENTER

EXISTING SIGN TO REMAIN

SPEED LIMIT 25

EXISTING SIGN TO REMAIN

WRONG WAY

EXISTING SIGNS TO REMAIN

SB EXIT RAMP

EAST 39 Alternate 90 MILE 146 .0
D10-5A
M09-03

WEIGH STATION
OPEN/CLOSE CMS

EXISTING SIGNS TO REMAIN

IH 39 SB

IH 39 NB

IH 39 NB (CLOSED)

1158'TSB2' 1160'TSB2' 1162'TSB2' 1164'TSB2' 1166'TSB2' 1168'TSB2' 1170'TSB2' 1172

1166+74.33'TSB2'
29.00'RT

1164+80.45'TSB2'
31.00'RT

1165+77.38'TSB2'
29.50'RT

R=9398.00

12' 12' 12' 12'

50' (TYP)

T1 T2 T3

TEMPORARY CONCRETE BARRIER GATE REQ'D

TEMPORARY EMERGENCY PULLOUT

2356 2358 2360 2362 2364 2366 2368 2370

MATCH LINE 2356+00

MATCH LINE 2371+00

EMERGENCY PARKING 2 HR MAX
R8-54
48"X36"

M09-01
WEST 39 Alternate 90 MILE 146 .2
D10-5A

M09-02
WEST 39 Alternate 90 MILE 146 .0
D10-5A

KEYNOTE LEGEND: PAVEMENT MARKING

T1	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE) (3 FT LINE 9 FT SKIP)
T5	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\11919\CIVIL 3D\1007100\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG | PLOT DATE : 10/9/2017 6:02 PM | PLOT BY : SEH | LAYOUT NAME : 09 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE) (3 FT LINE 9 FT SKIP)
T5	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)

TRAFFIC CONTROL LEGEND	
	TYPE III BARRICADE (WITH/WITH OUT SIGN)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	CONC. BARRIER TEMP. PRECAST
CC	CRASH CUSHIONS PERMANENT
	CRASH CUSHIONS TRAFFIC CONTROL
	DIRECTION OF TRAFFIC
PCMS	TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
	WORK SPACE
	TEMPORARY PAVEMENT

N

EAST 39 90 MILE 145 .8
D10-5A
M10-02

WEST 39 90 MILE 145 .8
D10-5A
M10-01

SB EXIT RAMP
IH 39 SB
IH 39 NB
IH 39 NB (CLOSED)
CTH MN
MATCH LINE 2371+00
MATCH LINE 2385+50
1186+37.80'TSB2'
29.00'RT

SAVE FOLDER PATH: \\SEHMADISONPROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL SEC 02

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 10 OF 14	SHEET 126	E

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG | PLOT DATE : 10/9/2017 6:02 PM | PLOT BY : SEH | LAYOUT NAME : 10 | PLOT SCALE : 1.0 IN = 100.0 FT | WISDOT/CADDS SHEET 42

2

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

WEIGH STATION
OPEN/CLOSE CMS
EXISTING SIGNS TO REMAIN

WEST 39 90 MILE 145 .6
D10-5A
M11-01

EAST 39 90 MILE 145 .6
D10-5A
M11-04

ROIDT DR
DOOR CREEK RD
CTH MN
DOOR CREEK

NOTE, SEE "TRAFFIC CONTROL - CLOSURE DETAIL, CTH MN"

W05-52R
18"x54"
(BARRIER MOUNT REQUIRED)

CTH MN (CLOSED

Hwy MN
EXISTING SIGN TO REMAIN

WEIGH-IN-MOTION CMS
EXISTING SIGN TO REMAIN

M11-03
EAST 39 90 MILE 145 .4
D10-5A
MOVE TO STA 1204+00'TSB2'

WEIGH-IN-MOTION CMS
EXISTING SIGN TO REMAIN

1188+92.69'TSB2'
27.50'RT

T1 T2 T3

IH 39 SB
IH 39 NB
IH 39 NB (CLOSED)

1188'TSB2' 1190'TSB2' 1192'TSB2' 1194'TSB2' 1196'TSB2' 1198'TSB2' 1200'TSB2'

2386 2388 2390 2392 2394 2396 2398 2400

1187+43.08'TSB2'
29.00'RT

1190+99.81'TSB2'
27.00'RT

1187+93.02'TSB2'
27.50'RT

MATCH LINE 2385+50

MATCH LINE 2400+25

W05-52R
- 18"x54"
(BARRIER MOUNT REQUIRED)

CTH MN (CLOSED

NOTE, SEE "TRAFFIC CONTROL - CLOSURE DETAIL, CTH MN"

M11-02
WEST 39 90 MILE 145 .4
D10-5A
(BARRIER MOUNT REQUIRED)

TRAFFIC CONTROL LEGEND	
	TYPE III BARRICADE (WITH/WITH OUT SIGN)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	CONC. BARRIER TEMP. PRECAST
CC	CRASH CUSHIONS PERMANENT
	CRASH CUSHIONS TRAFFIC CONTROL
	DIRECTION OF TRAFFIC
PCMS	TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
	WORK SPACE
	TEMPORARY PAVEMENT

PROJECT NO:1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 11 OF 14	SHEET	E

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 01).DWG
PLOT DATE : 10/9/2017 6:02 PM
PLOT BY : SEH
LAYOUT NAME : 11
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

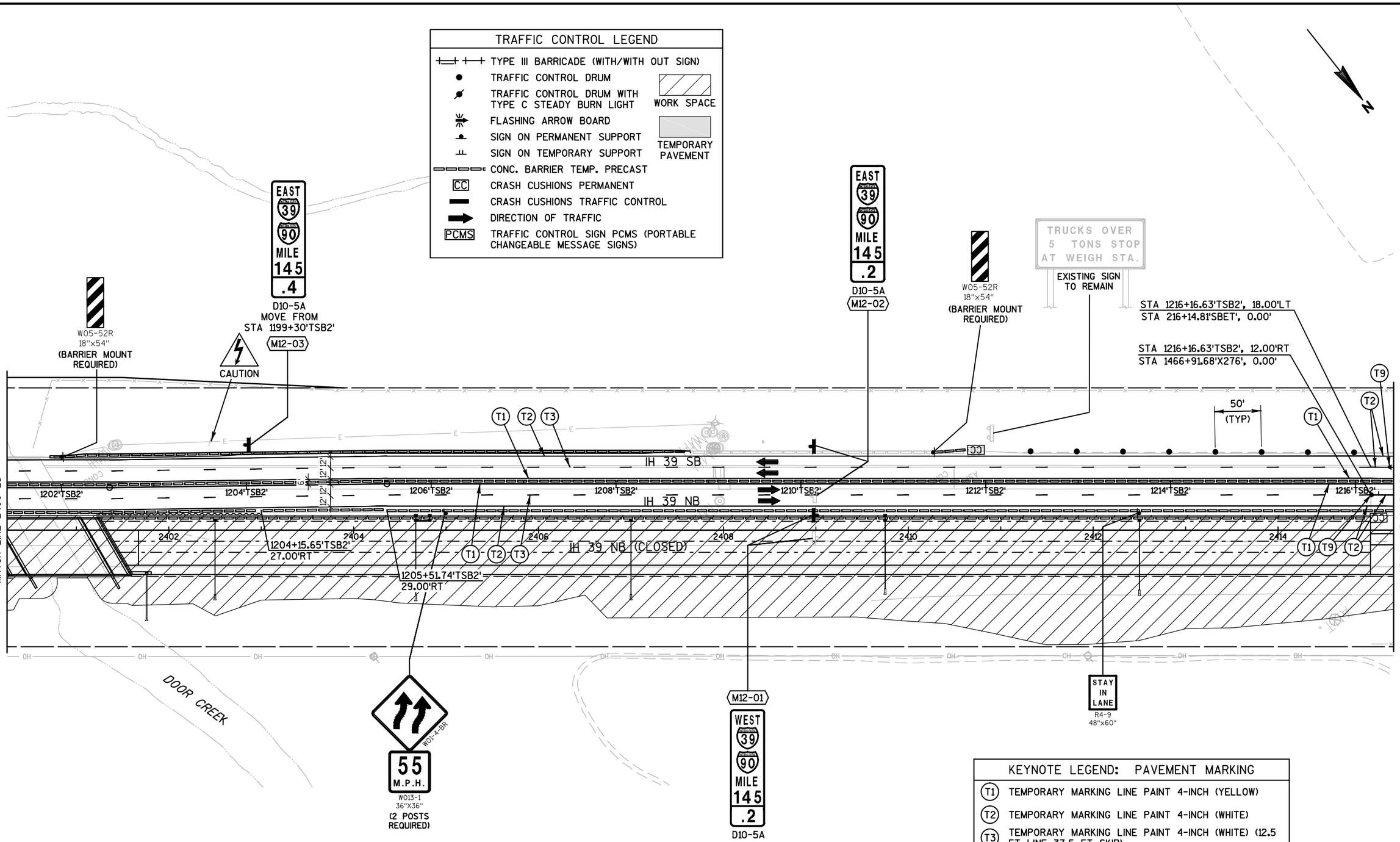
2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

TEMPORARY PAVEMENT



KEYNOTE LEGEND: PAVEMENT MARKING

T1	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T9	TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE II (ONE WAY WHITE REFLECTOR, 50 FT SPACING)

2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

TEMPORARY PAVEMENT

N

PREPASS
FOLLOW
IN-CAB SIGNALS
EXISTING SIGN TO REMAIN

EAST
90
MILE
145
0
D10-5
M13-02

STAY IN LANE
R4-9
48"x60"
(2 POSTS REQUIRED)

SEE "TRAFFIC CONTROL DETAIL - ADVANCED WARNING AREA TRAFFIC CONTROL"

MATCH LINE 2415+25

MATCH LINE 2430+25

IH 39 SB

IH 39 NB

IH 39 NB (CLOSED)

218'SBET' 220'SBET' 222'SBET' 224'SBET'

1468'X276' 1470'X276' 1472'X276' 1474'X276' 1475+48.00'X276' 15.00'LT

1476'X276' 1478'X276' 1480'X276' 1482'X276'

2416 2418 2420 2422 2424 2426 2428 2430

T9 T1 T2

12' 12' 12'

50' (TYP)

50' (TYP) 1475+48.00'X276' 17.00'RT

OH

M13-01
WEST
90
MILE
145
0
D10-5

EXISTING SIGN TO REMAIN
WEST
90
MILE
144
.8

GLARE SCREEN REQ'D
STA 1466+92'X276' - STA 1474+00'X276'

KEYNOTE LEGEND: PAVEMENT MARKING

T1	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T9	TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE II (ONE WAY WHITE REFLECTOR, 50 FT SPACING)

2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

TEMPORARY PAVEMENT

N

EAST 90 MILE 144 .8
EXISTING SIGN TO REMAIN

TRAVEL INFO CALL 511
EXISTING SIGN TO REMAIN

W01-4-BR
(2 POSTS REQUIRED EACH)

CTH AB

Hwy AB
EXISTING SIGN TO REMAIN

EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES
EXISTING SIGNS TO REMAIN

24 HR TRUCK PARKING AVAILABLE IN WEIGH STA
EXISTING SIGN TO REMAIN

EAST 90 MILE 144 .6
EXISTING SIGN TO REMAIN

IH 39 SB

IH 39 NB

MATCH LINE 2430+25

2432 2434 2436 2438 2440 2442 2444

T1 T2 T9

END ROAD WORK
G20-2A
48"X24"

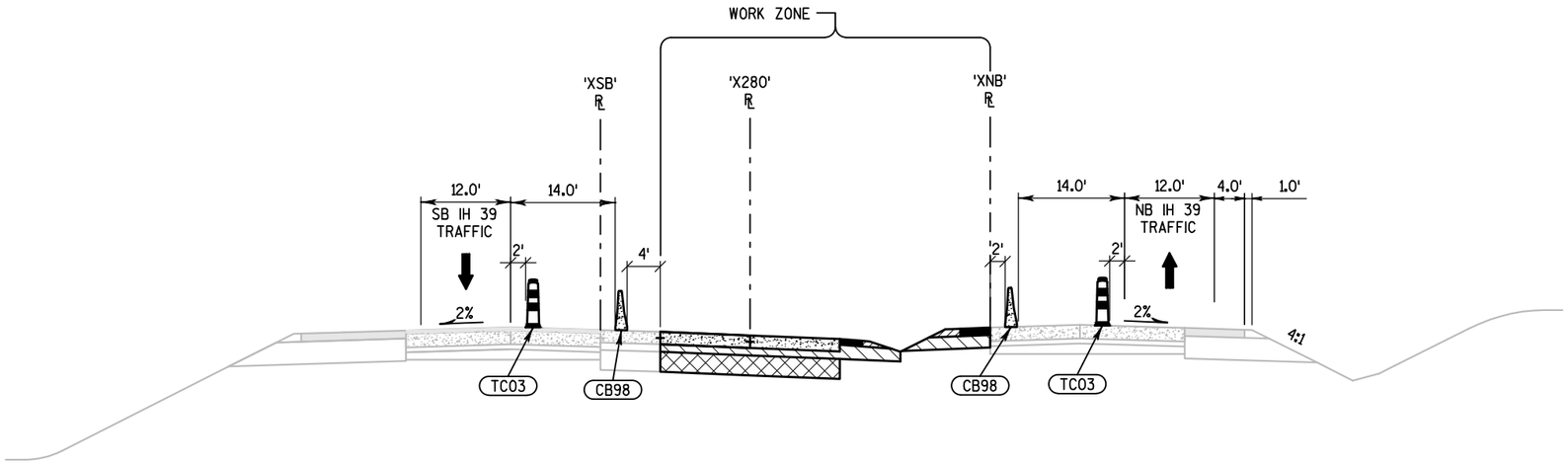
EXISTING SIGN TO REMAIN
Hwy AB

CTH AB

EXISTING SIGN TO REMAIN
WEST 90 MILE 144 .6

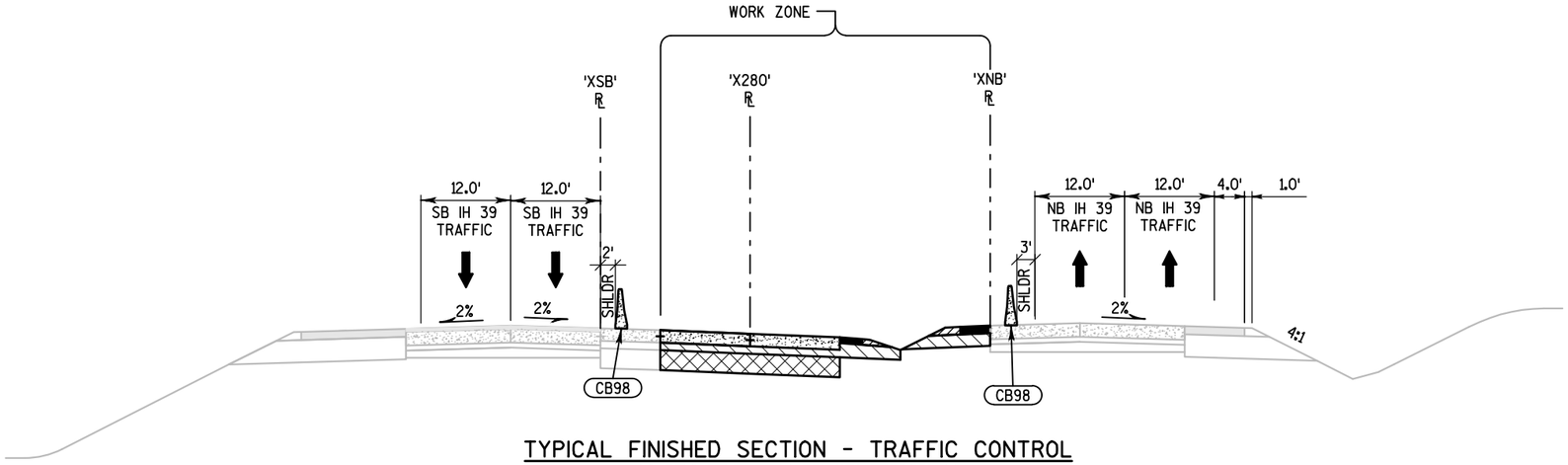
KEYNOTE LEGEND: PAVEMENT MARKING

T1	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
T2	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
T3	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T9	TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE II (ONE WAY WHITE REFLECTOR, 50 FT SPACING)



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 2 - NIGHTTIME HOURS

STA 2415+00'X280' TO STA 2430+75'X280'



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 2 - DAYTIME HOURS

STA 2415+00'X280' TO STA 2430+75'X280'

KEYNOTE LEGEND: TYPICAL SECTIONS

CB98	CONCRETE BARRIER TEMPORARY PRECAST
TC03	TYPICAL DRUM SPACING 100'

2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

TEMPORARY PAVEMENT

ROIDT DR

DOOR CREEK RD

CTH MN

DOOR CREEK

IH 39 SB

IH 39 NB

988'XSB' 990'XSB' 992'XSB' 994'XSB' 996'XSB' 998'XSB' 1000'XSB'

2386 2388 2390 2392 2394 2396 2398 2400

MATCH LINE 2400+25

W01-4-BR

55 M.P.H.

W013-1
36"X36"
(2 POSTS REQUIRED)

STAY IN LANE

R4-9
48"X60"
(2 POSTS REQUIRED)

STAGE 2 CONSTRUCTION SUMMARY

CONSTRUCTION OPERATIONS CONCURRENT WITH PROJECTS 1007-11-71 AND 1007-11-81.

REMOVE EXISTING NORTH CROSSOVER 'X276'.

CONSTRUCT NORTH CROSSOVER 'X280'.

MAINTENANCE OF TRAFFIC

ALL MAINLINE SB IH 39 TRAFFIC TRAFFIC SHALL REMAIN ON EXISTING LANES DURING DAYTIME HOURS.

ALL MAINLINE NB IH 39 TRAFFIC SHALL REMAIN ON EXISTING AND SHIFTED LANES DURING DAYTIME HOURS.

ALL MAINLINE IH 39 TRAFFIC SHALL BE SHIFTED TO THE OUTSIDE LANE DURING NIGHTTIME HOURS.

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 01 OF 04	SHEET 132	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

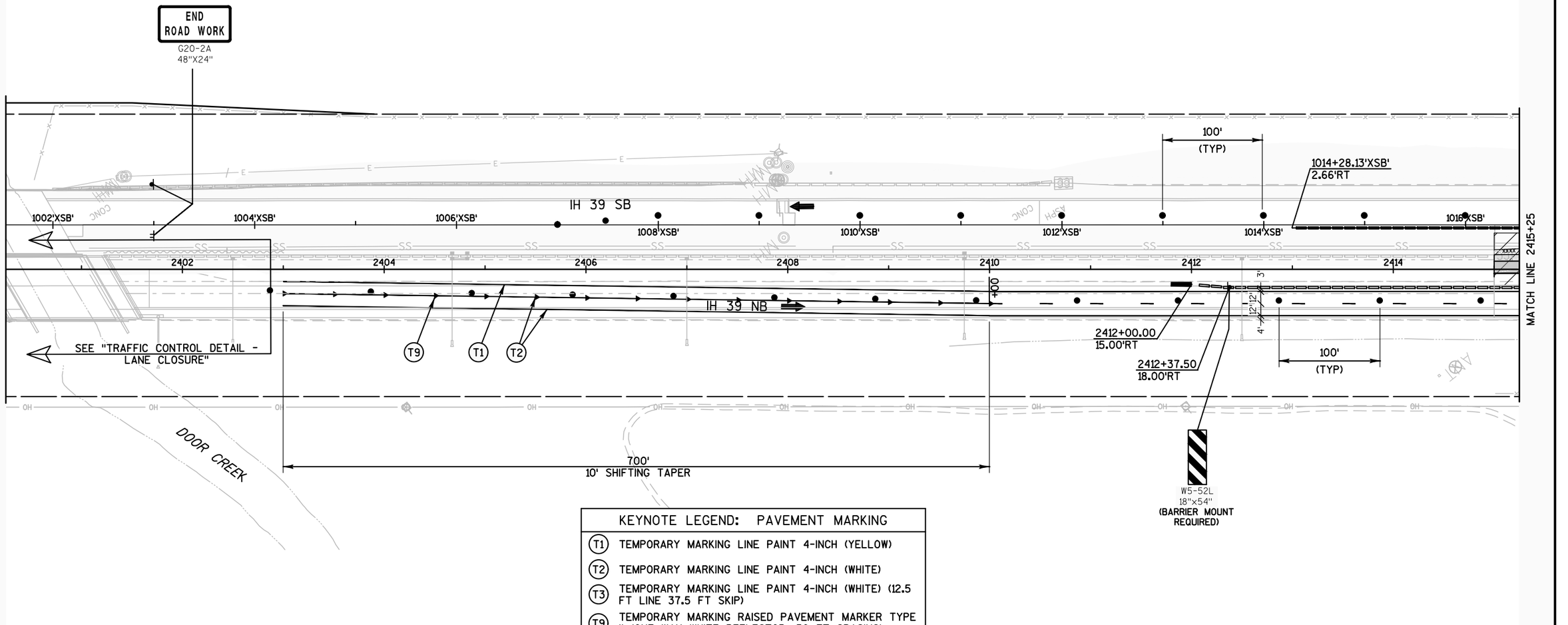
2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

TEMPORARY PAVEMENT



KEYNOTE LEGEND: PAVEMENT MARKING

- (T1) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- (T2) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- (T3) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
- (T9) TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE II (ONE WAY WHITE REFLECTOR, 50 FT SPACING)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 02 OF 04	SHEET	E

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 02).DWG | PLOT DATE : 10/10/2017 2:10 PM | PLOT BY : SEH | LAYOUT NAME : 02 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

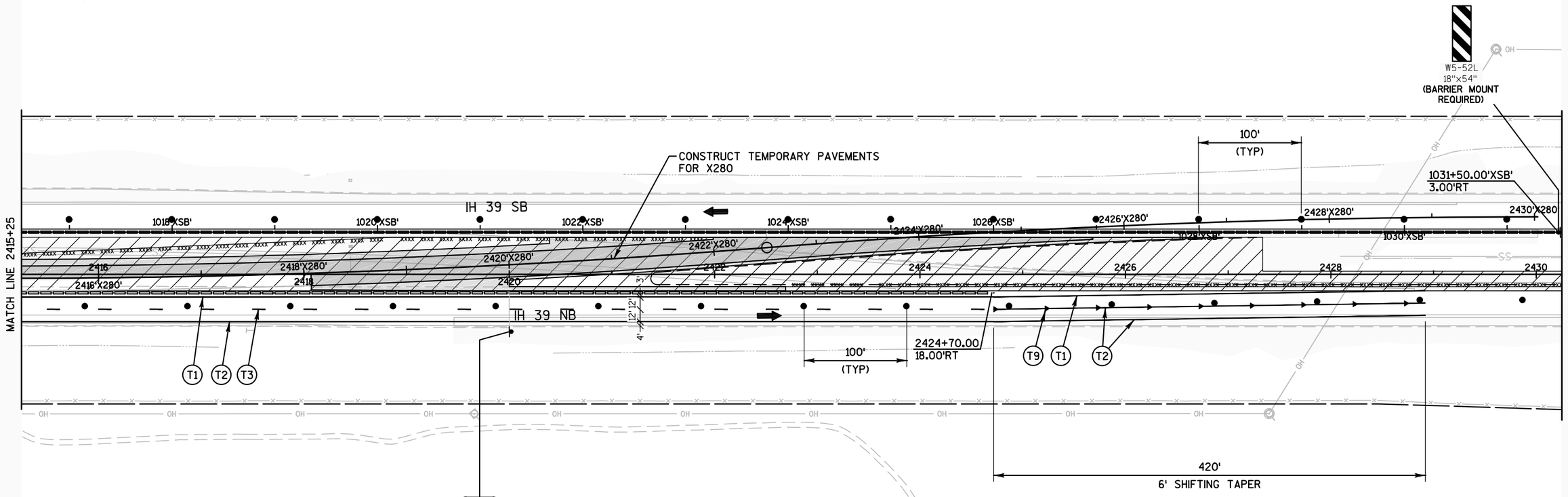
2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

TEMPORARY PAVEMENT



KEYNOTE LEGEND: PAVEMENT MARKING

- (T1) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- (T2) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- (T3) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
- (T9) TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE II (ONE WAY WHITE REFLECTOR, 50 FT SPACING)

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 03 OF 04	SHEET	E

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 02).DWG | PLOT DATE : 10/10/2017 2:09 PM | PLOT BY : SEH | LAYOUT NAME : 03 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE (WITH/WITH OUT SIGN)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS PERMANENT
- CRASH CUSHIONS TRAFFIC CONTROL
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)

WORK SPACE

TEMPORARY PAVEMENT

N

CTH AB

SEE "TRAFFIC CONTROL DETAIL - LANE CLOSURE"

IH 39 SB

IH 39 NB

MATCH LINE 2430+25

1032'XSB' 1034'XSB' 1036'XSB' 1038'XSB' 1040'XSB' 1042'XSB' 1044'XSB' 1046'XSB'

1032+00.00'XSB'
7.00'RT

2432 2434 2436 2438 2440 2442 2444

END ROAD WORK
G20-2A
48"X24"

CTH AB

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 04 OF 04	SHEET	E

FILE NAME : 025000_TC (TRAFFIC CONTROL STAGE 02).DWG | PLOT DATE : 10/10/2017 2:07 PM | PLOT BY : SEH | LAYOUT NAME : 04 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

GENERAL NOTES: DETOURS

SEE STANDARD DETAIL DRAWINGS FOR "BARRICADES AND SIGNS FOR MAINLINE CLOSURES "DETAIL F, DETOUR SIGNING.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE TRAFFIC CONTROL PLAN, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

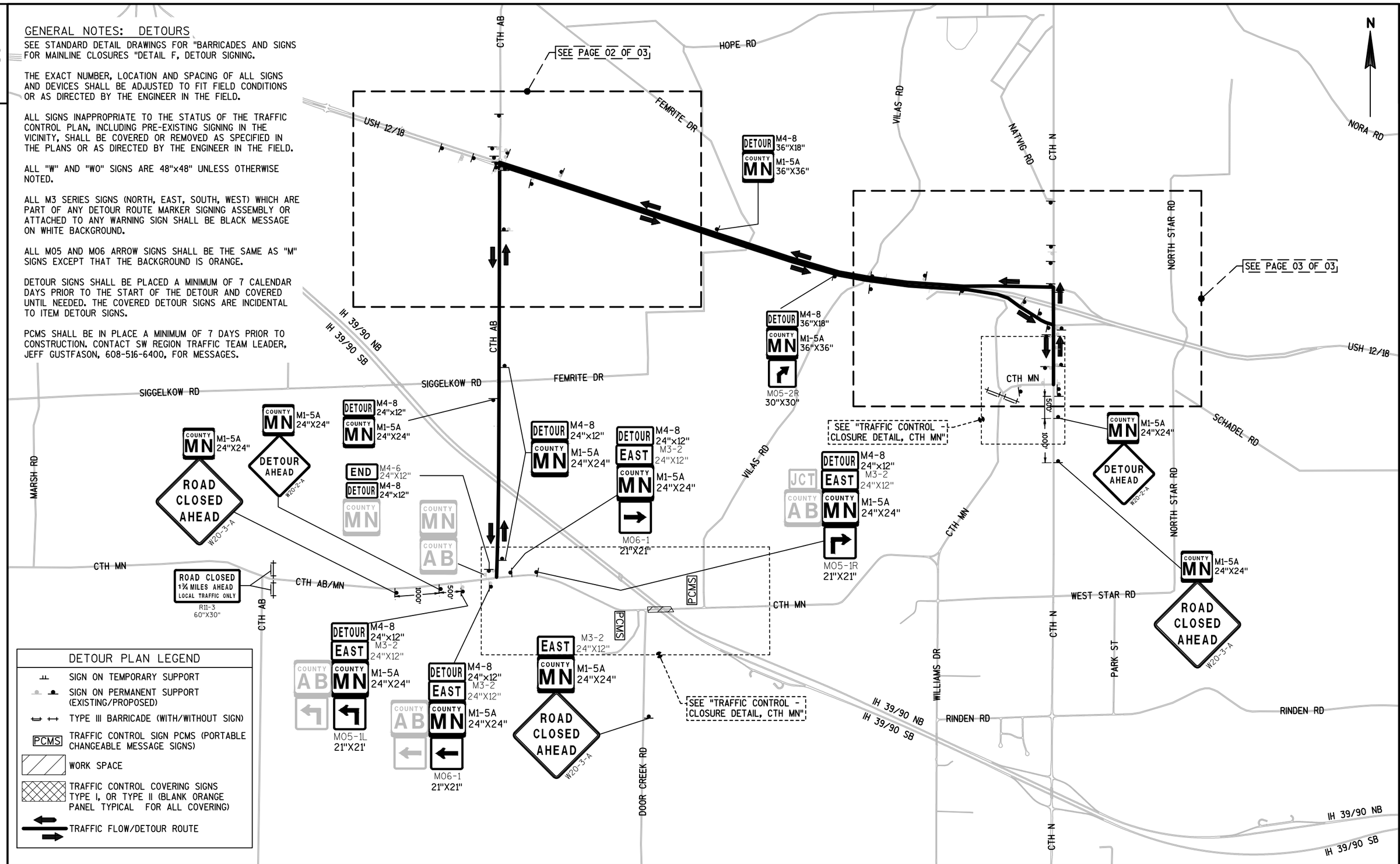
ALL "W" AND "WO" SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

ALL M3 SERIES SIGNS (NORTH, EAST, SOUTH, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK MESSAGE ON WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

DETOUR SIGNS SHALL BE PLACED A MINIMUM OF 7 CALENDAR DAYS PRIOR TO THE START OF THE DETOUR AND COVERED UNTIL NEEDED. THE COVERED DETOUR SIGNS ARE INCIDENTAL TO ITEM DETOUR SIGNS.

PCMS SHALL BE IN PLACE A MINIMUM OF 7 DAYS PRIOR TO CONSTRUCTION. CONTACT SW REGION TRAFFIC TEAM LEADER, JEFF GUSTFASON, 608-516-6400, FOR MESSAGES.



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	DETOUR PLAN - CTH MN	PAGE 01 OF 03	SHEET E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL
FILE NAME : 027001_DT (CTH MN DETOUR PLAN).DWG PLOT DATE : 10/9/2017 6:04 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1 IN = 2000.0 FT
WISDOT/CADDS SHEET 42

2

2

N

FEMRITE DR

USH 12/18

CTH AB

500'

500'

COUNTY MN M1-5A 24"X24"
DETOUR AHEAD W20-2-A

DETOUR M4-8 24"x12"
COUNTY MN M1-5A 24"X24"
M06-1 21"X21"

JCT 12 18
DETOUR M4-8 24"x12"
COUNTY MN M1-5A 24"X24"
M05-1L 21"X21'

DETOUR M4-8 36"x18"
COUNTY AB
COUNTY MN M1-5A 36"X36"
M06-1 30"X30"

COUNTY MN M1-5A 36"X36"
DETOUR AHEAD W20-2-A

JCT COUNTY AB

M4-8 36"x18" M3-2 36"X18"
DETOUR EAST
DETOUR WEST M4-8 36"x18" M3-4 36"X18"
M1-5A 36"X36"
COUNTY MN
COUNTY MN M1-5A 36"X36"
M06-1 30"X30"
M05-1R 30"X30"

DETOUR M4-8 24"x12"
COUNTY MN M1-5A 24"X24"

DETOUR M4-8 24"x12"
COUNTY AB
COUNTY MN M1-5A 24"X24"
M06-1 30"X30"

JCT COUNTY AB
DETOUR M4-8 36"x18"
COUNTY MN M1-5A 36"X36"
M05-1L 30"X30"

DETOUR M4-8 36"x18"
EAST M3-2 36"X18"
EAST EAST 12 18
COUNTY MN M1-5A 36"X36"

JCT JCT 12 18
DETOUR M4-8 24"x12"
EAST M3-2 24"X12"
COUNTY MN M1-5A 24"X24"
M05-1R 21"X21"

DETOUR M4-8 24"x12"
EAST M3-2 24"X12"
12 18
COUNTY MN M1-5A 24"X24"
M06-1 21"X21"

DETOUR PLAN LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT (EXISTING/PROPOSED)
- TYPE III BARRICADE (WITH/WITHOUT SIGN)
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK SPACE
- TRAFFIC CONTROL COVERING SIGNS TYPE I, OR TYPE II (BLANK ORANGE PANEL TYPICAL FOR ALL COVERING)
- TRAFFIC FLOW/DETOUR ROUTE

PROJECT NO:1007-11-76	HWY: IH 39	COUNTY: DANE	DETOUR PLAN - CTH MN	PAGE 02 OF 03	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 027001_DT (CTH MN DETOUR PLAN).DWG PLOT DATE : 10/9/2017 6:04 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

DETOUR PLAN LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT (EXISTING/PROPOSED)
- TYPE III BARRICADE (WITH/WITHOUT SIGN)
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK SPACE
- TRAFFIC CONTROL COVERING SIGNS TYPE I, OR TYPE II (BLANK ORANGE PANEL TYPICAL FOR ALL COVERING)
- TRAFFIC FLOW/DETOUR ROUTE

N

VILAS RD

NATVIG RD

NORTH STAR RD

CTH N

USH 12/18

SCHADEL RD

1000'

500'

COUNTY MN M1-5A 24"X24" — DETOUR AHEAD W20-2-A

COUNTY MN M1-5A 24"X24" — ROAD CLOSED AHEAD W20-3-A

WEST WEST 12 18 DETOUR M4-8 24"x12" / COUNTY MN M1-5A 24"X24" / M05-1R 21"X21"

WEST WEST 12 18 DETOUR M4-8 24"x12" / COUNTY MN M1-5A 24"X24" / M06-1 21"X21"

JCT JCT 12 18 — WEST WEST 12 18 DETOUR M4-8 24"x12" / COUNTY MN M1-5A 24"X24" / M06-1 21"X21"

WEST WEST 12 18 DETOUR M4-8 24"x12" / COUNTY MN M1-5A 24"X24" / M05-1L 21"X21"

ALTERNATE INTERSTATE 39 94 — WEST WEST 12 18 DETOUR M4-8 36"x18" / COUNTY MN M1-5A 36"X36"

EXIT 272 — DETOUR M4-8 36"x18" / COUNTY MN M1-5A 36"X36" / M05-2R 30"X30"

N Stoughton Cottage Grove 1/2 MILE

ALTERNATE INTERSTATE 39 94

EXIT 272 — N Stoughton Cottage Grove — DETOUR M4-8 36"x18" / COUNTY MN M1-5A 36"X36" / 30"X30" M06-2

EXIT 272 — DETOUR M4-8 24"x12" / COUNTY MN M1-5A 36"X36" / M06-2 30"X30"

DETOUR M4-8 24"x12" / COUNTY MN M1-5A 24"X24" / M05-1R 21"X21"

DETOUR M4-8 24"x12" / COUNTY MN M1-5A 24"X24" / M06-1 21"X21"

JCT COUNTY MN

JCT COUNTY N / COUNTY MN — DETOUR WEST M4-8 24"x12" M3-4 24"X12" / M05-1L 21"X21"

COVER EXISTING SIGN

END DETOUR M4-8A 24"X18" COUNTY MN

ROAD CLOSED 0 MILES AHEAD LOCAL TRAFFIC ONLY R11-3 60"X30"

CTH MN

EAST EAST 12 18

JCT JCT 12 18

NORTH COUNTY N — DETOUR M4-8 24"x12" / COUNTY MN M1-5A 24"X24"

TO TO 12 18 COUNTY N — DETOUR COUNTY MN M1-5A 24"X24" M4-8 24"x12" / M06-1 21"X21"

DETOUR M4-8 24"x12" COUNTY MN / M06-1 21"X21"

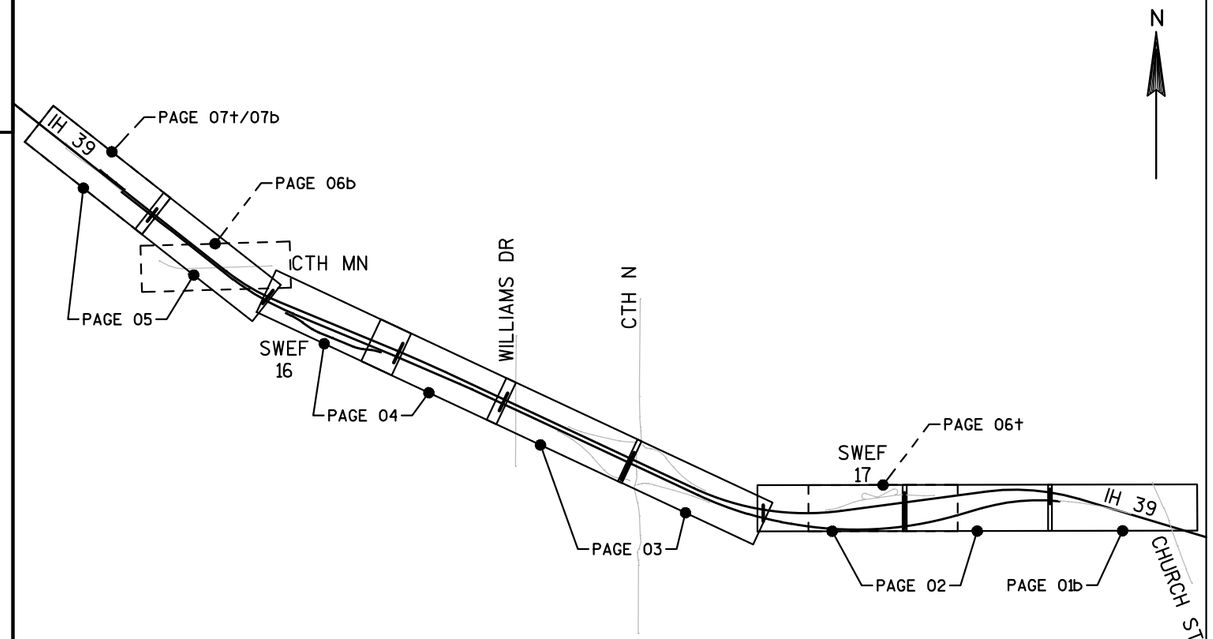
COVER EXISTING ARROW SIGN

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	DETOUR PLAN - CTH MN	PAGE 03 OF 03	SHEET	E

FILE NAME : 027001_DT (CTH MN DETOUR PLAN).DWG | PLOT DATE : 10/9/2017 6:04 PM | PLOT BY : SEH | LAYOUT NAME : 03 | PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\100711001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL



ALIGNMENT DETAIL SHEET INDEX

REFERENCE LINE LABEL/MODEL NAME INDEX (PROJECT 1007-11-76)		
'LABEL'	ALIGNMENT MODEL NAME	DESCRIPTION
	IH 39 NB PROPOSED RL	PRIMARY PROJECT ALIGNMENT
'TSB2'	IH 39 SB 1176 - TRAFFIC CONTROL	TRAFFIC CONTROL STAGE 2 NB/SB
'X276'	IH 39 NB 1176 2L XOVER	TRAFFIC CONTROL END PROJECT NB 2 LANE CROSSOVER
'NBET'	IH 39 NB 1176 - END TRANSITION	END PROJECT NB PROPOSED TO EXISTING TRANSITION
'SBET'	IH 39 SB 1176 - TRAFFIC CONTROL	END PROJECT SB EXISTING TO PROPOSED TRANSITION
'XJB'	SWEF17 NB OFF RAMP EXISTING RL	EXISTING SWEF 17 NB OFF RAMP (CLOSED)
'XJA'	SWEF17 NB ON RAMP EXISTING RL	EXISTING SWEF 17 NB ON RAMP (CLOSED)
'EDS'	SWEF17 EXISTING RL	EXISTING SWEF 17 DEMOLITION SITE (CLOSED)
'NB'	CTH N NB OFF RAMP PROPOSED RL	EXISTING CTH N NB OFF RAMP
'NC'	CTH N SB ON RAMP PROPOSED RL	EXISTING CTH N SB ON RAMP
'NN'	CTH N NB PROPOSED RL	EXISTING CTH N NB
'NA'	CTH N NB ON RAMP PROPOSED RL	EXISTING CTH N NB ON RAMP
'ND'	CTH N SB OFF RAMP PROPOSED RL	EXISTING CTH N SB OFF RAMP
'WD'	WILLIAMS DR CL - PROPOSED	EXISTING WILLIAMS DRIVE OVERPASS
'XJD'	SWEF16 SB OFF RAMP EXISTING RL	EXISTING SWEF 16 SB ON RAMP
'XJC'	SWEF16 SB ON RAMP EXISTING RL	EXISTING SWEF 16 SB OFF RAMP
'MN'	CTH MN CL - PROPOSED	PROPOSED CTH MN UNDERPASS
'X280'	IH 39 SB 1180 2L XOVER	FUTURE SB 2 LANE CROSSOVER

2

STA 975+21.04'TSB2'
STA 50+00.00'CS'

STA 2175+54.26
STA 51+03.48'CS'

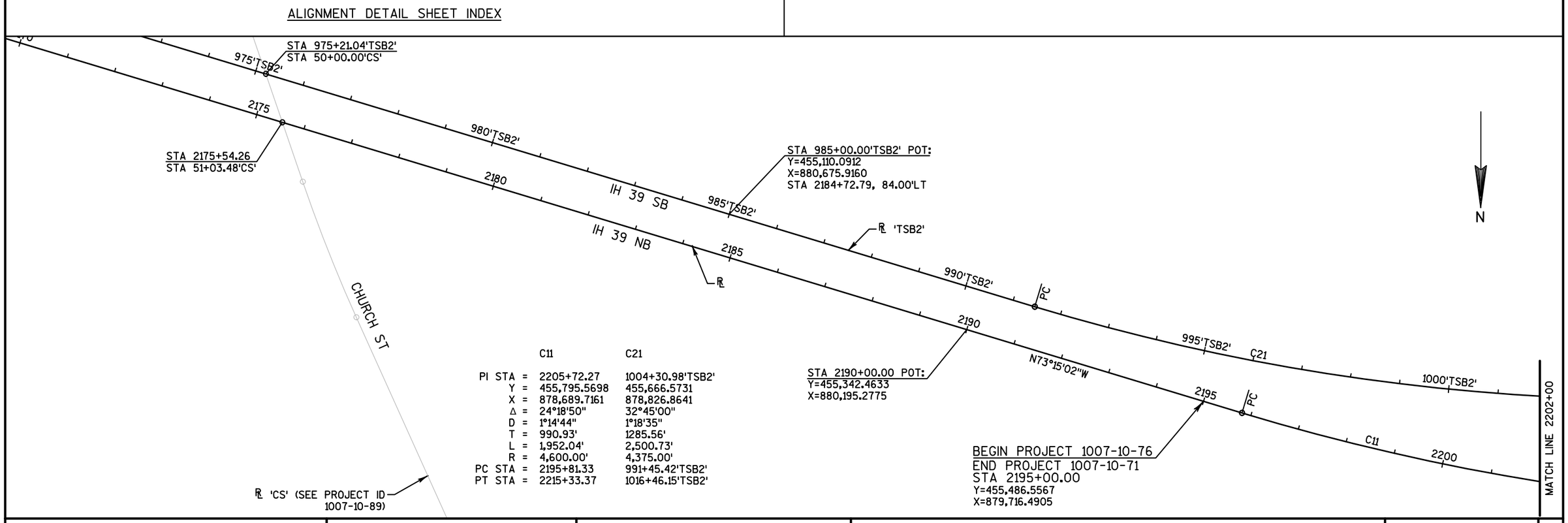
STA 985+00.00'TSB2' POT:
Y=455,110.0912
X=880,675.9160
STA 2184+72.79, 84.00'LT

STA 2190+00.00 POT:
Y=455,342.4633
X=880,195.2775

BEGIN PROJECT 1007-10-76
END PROJECT 1007-10-71
STA 2195+00.00
Y=455,486.5567
X=879,716.4905

℄ 'CS' (SEE PROJECT ID 1007-10-89)

	C11	C21
PI STA =	2205+72.27	1004+30.98'TSB2'
Y =	455,795.5698	455,666.5731
X =	878,689.7161	878,826.8641
Δ =	24°18'50"	32°45'00"
D =	1°14'44"	1°18'35"
T =	990.93'	1285.56'
L =	1,952.04'	2,500.73'
R =	4,600.00'	4,375.00'
PC STA =	2195+81.33	991+45.42'TSB2'
PT STA =	2215+33.37	1016+46.15'TSB2'



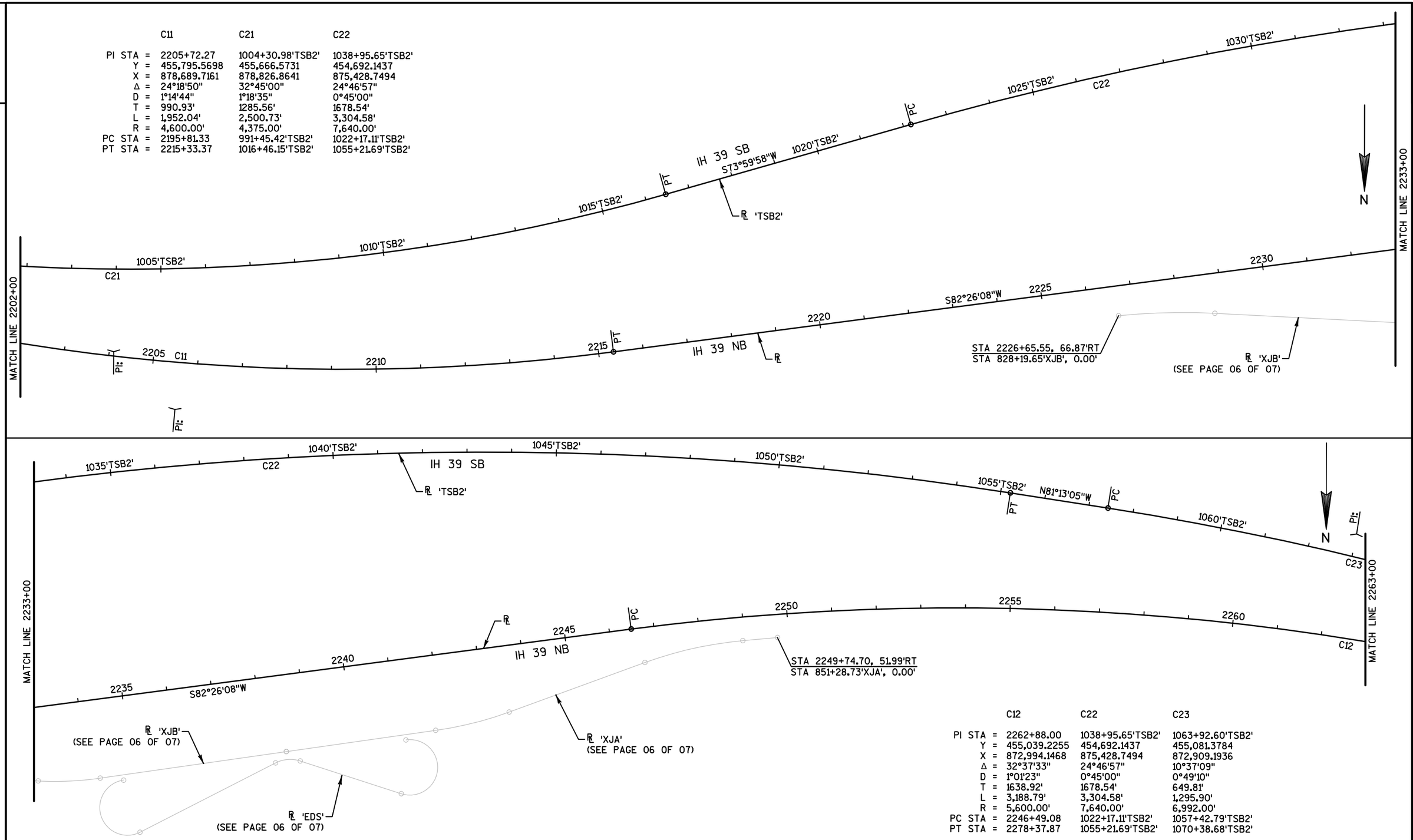
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 01 OF 07	SHEET	E

FILE NAME : 027200_AD (ALIGNMENT DETAILS).DWG | PLOT DATE : 10/9/2017 6:05 PM | PLOT BY : SEH | LAYOUT NAME : 01 | PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

	C11	C21	C22
PI STA =	2205+72.27	1004+30.98'TSB2'	1038+95.65'TSB2'
Y =	455,795.5698	455,666.5731	454,692.1437
X =	878,689.7161	878,826.8641	875,428.7494
Δ =	24°18'50"	32°45'00"	24°46'57"
D =	1°14'44"	1°18'35"	0°45'00"
T =	990.93'	1285.56'	1678.54'
L =	1,952.04'	2,500.73'	3,304.58'
R =	4,600.00'	4,375.00'	7,640.00'
PC STA =	2195+81.33	991+45.42'TSB2'	1022+17.11'TSB2'
PT STA =	2215+33.37	1016+46.15'TSB2'	1055+21.69'TSB2'

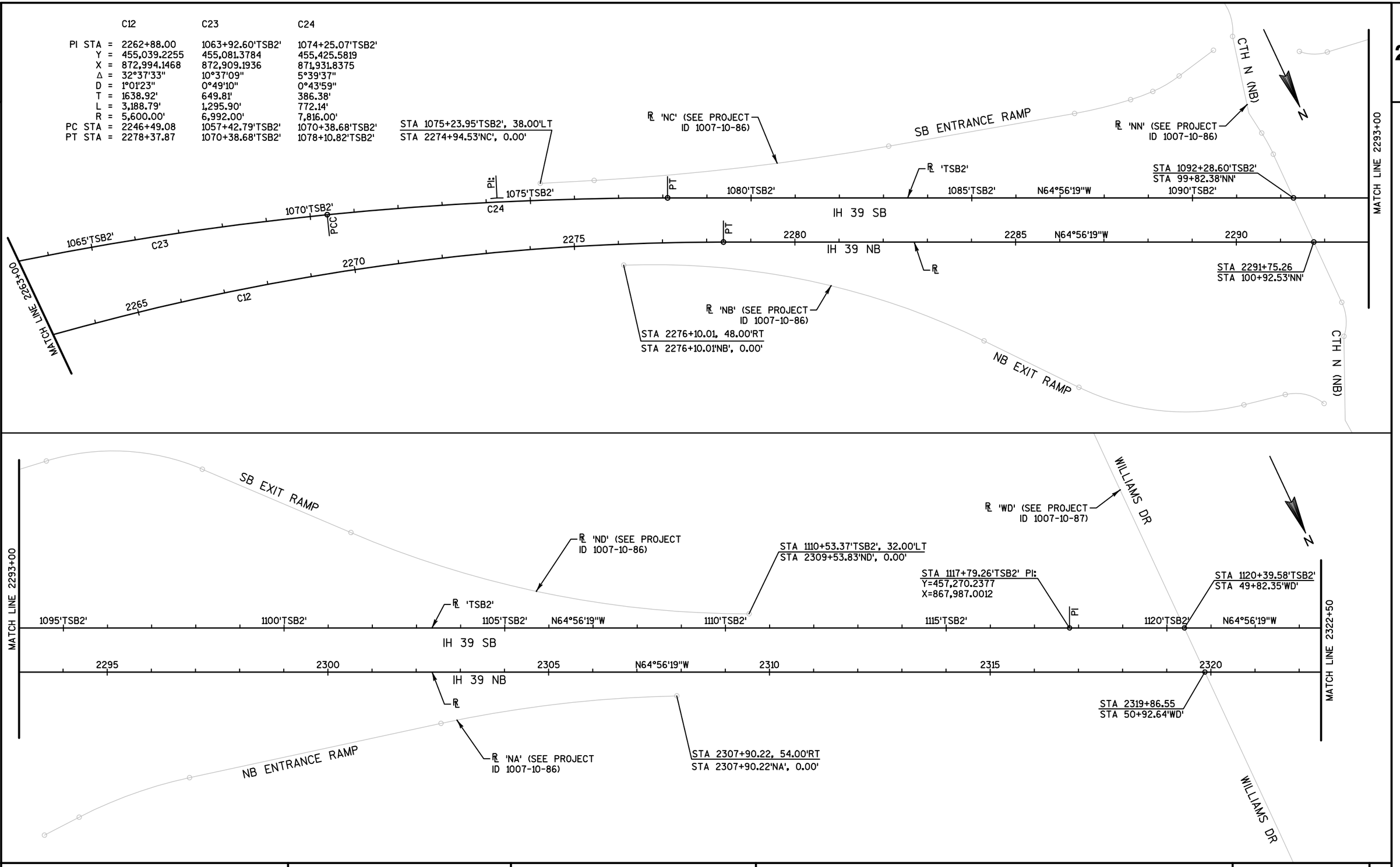


	C12	C22	C23
PI STA =	2262+88.00	1038+95.65'TSB2'	1063+92.60'TSB2'
Y =	455,039.2255	454,692.1437	455,081.3784
X =	872,994.1468	875,428.7494	872,909.1936
Δ =	32°37'33"	24°46'57"	10°37'09"
D =	1°01'23"	0°45'00"	0°49'10"
T =	1638.92'	1678.54'	649.81'
L =	3,188.79'	3,304.58'	1,295.90'
R =	5,600.00'	7,640.00'	6,992.00'
PC STA =	2246+49.08	1022+17.11'TSB2'	1057+42.79'TSB2'
PT STA =	2278+37.87	1055+21.69'TSB2'	1070+38.68'TSB2'

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 02 OF 07	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 027200_AD (ALIGNMENT DETAILS).DWG
PLOT DATE : 10/9/2017 6:05 PM
PLOT BY : SEH
LAYOUT NAME : 02
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

	C12	C23	C24
PI STA =	2262+88.00	1063+92.60'TSB2'	1074+25.07'TSB2'
Y =	455,039.2255	455,081.3784	455,425.5819
X =	872,994.1468	872,909.1936	871,931.8375
Δ =	32°37'33"	10°37'09"	5°39'37"
D =	1°01'23"	0°49'10"	0°43'59"
T =	1638.92'	649.81'	386.38'
L =	3,188.79'	1,295.90'	772.14'
R =	5,600.00'	6,992.00'	7,816.00'
PC STA =	2246+49.08	1057+42.79'TSB2'	1070+38.68'TSB2'
PT STA =	2278+37.87	1070+38.68'TSB2'	1078+10.82'TSB2'

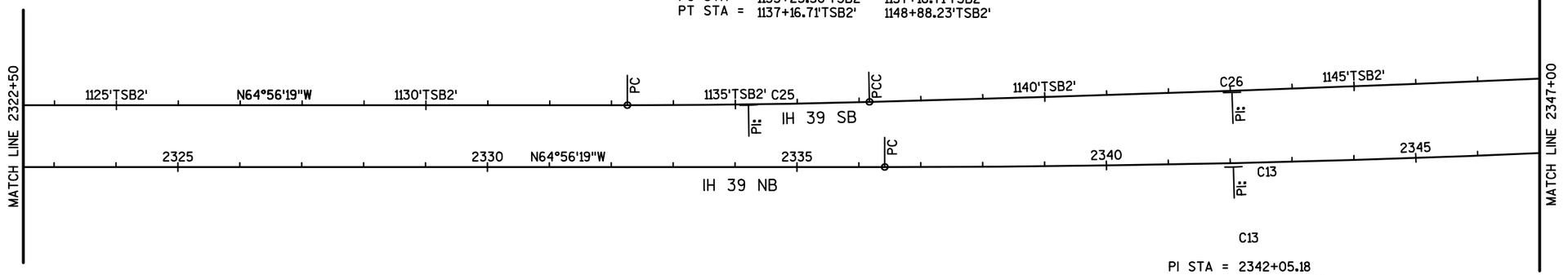


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 03 OF 07	SHEET	E

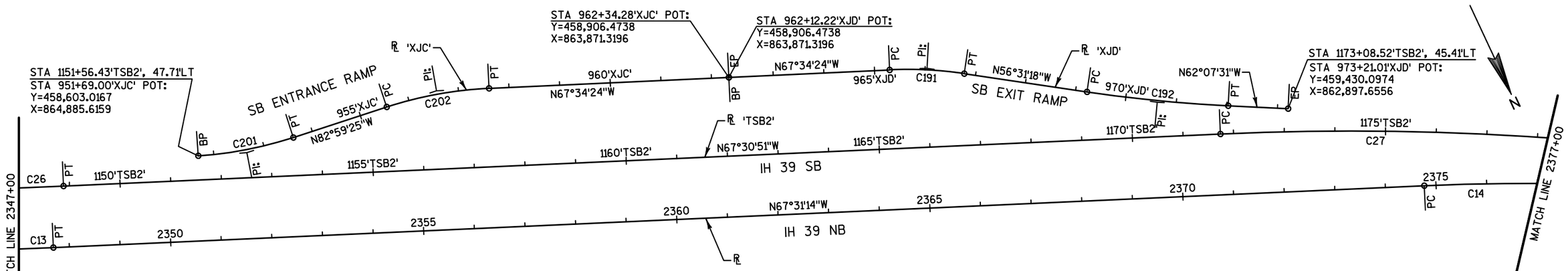
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 027200_AD (ALIGNMENT DETAILS).DWG
PLOT DATE : 10/9/2017 6:05 PM
PLOT BY : SEH
LAYOUT NAME : 03
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

2

	C25	C26
PI STA =	1135+21.16'TSB2'	1143+02.49'TSB2'
Y =	458,008.0849	458,320.4921
X =	866,409.0995	865,692.9156
Δ =	1°29'39"	1°04'53"
D =	0°22'55"	0°05'32"
T =	195.58'	585.78'
L =	391.14'	1,171.52'
R =	15,000.00'	62,064.00'
PC STA =	1133+25.58'TSB2'	1137+16.71'TSB2'
PT STA =	1137+16.71'TSB2'	1148+88.23'TSB2'



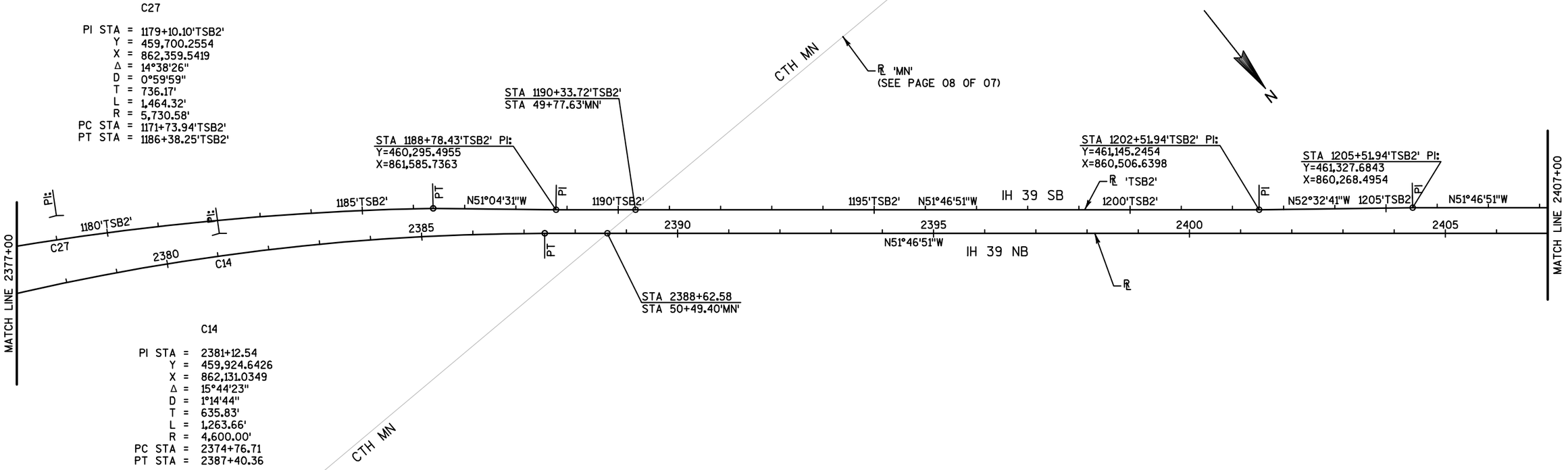
C13	
PI STA =	2342+05.18
Y =	458,430.5760
X =	865,741.6712
Δ =	2°34'55"
D =	0°13'45"
T =	563.36'
L =	1,126.53'
R =	25,000.00'
PC STA =	2336+41.82
PT STA =	2347+68.35



	C13	C14	C26	C27	C201	C202	C191	C192
PI STA =	2342+05.18	2381+12.54	1143+02.49'TSB2'	1179+10.10'TSB2'	952+65.39'XJC'	956+58.12'XJC'	966+04.02'XJD'	970+62.78'XJD'
Y =	458,430.5760	459,924.6426	458,320.4921	459,700.2554	458,638.1440	458,686.1956	459,055.9427	459,309.2575
X =	865,741.6712	862,131.0349	865,692.9156	862,359.5419	864,795.8548	864,405.0522	863,509.1576	863,126.1250
Δ =	2°34'55"	15°44'23"	1°04'53"	14°38'26"	14°21'46"	15°25'01"	11°03'06"	5°36'12"
D =	0°13'45"	1°14'44"	0°05'32"	0°59'59"	7°29'23"	7°29'23"	7°29'23"	1°59'59"
T =	563.36'	635.83'	585.78'	736.17'	96.39'	103.55'	74.01'	140.21'
L =	1,126.53'	1,263.66'	1,171.52'	1,464.32'	191.77'	205.84'	147.56'	280.19'
R =	25,000.00'	4,600.00'	62,064.00'	5,730.58'	765.00'	765.00'	765.00'	2,865.00'
PC STA =	2336+41.82	2374+76.71	1137+16.71'TSB2'	1171+73.94'TSB2'	951+69.00'XJC'	955+54.58'XJC'	965+30.01'XJD'	969+22.57'XJD'
PT STA =	2347+68.35	2387+40.36	1148+88.23'TSB2'	1186+38.25'TSB2'	953+60.77'XJC'	957+60.42'XJC'	966+77.57'XJD'	972+02.76'XJD'

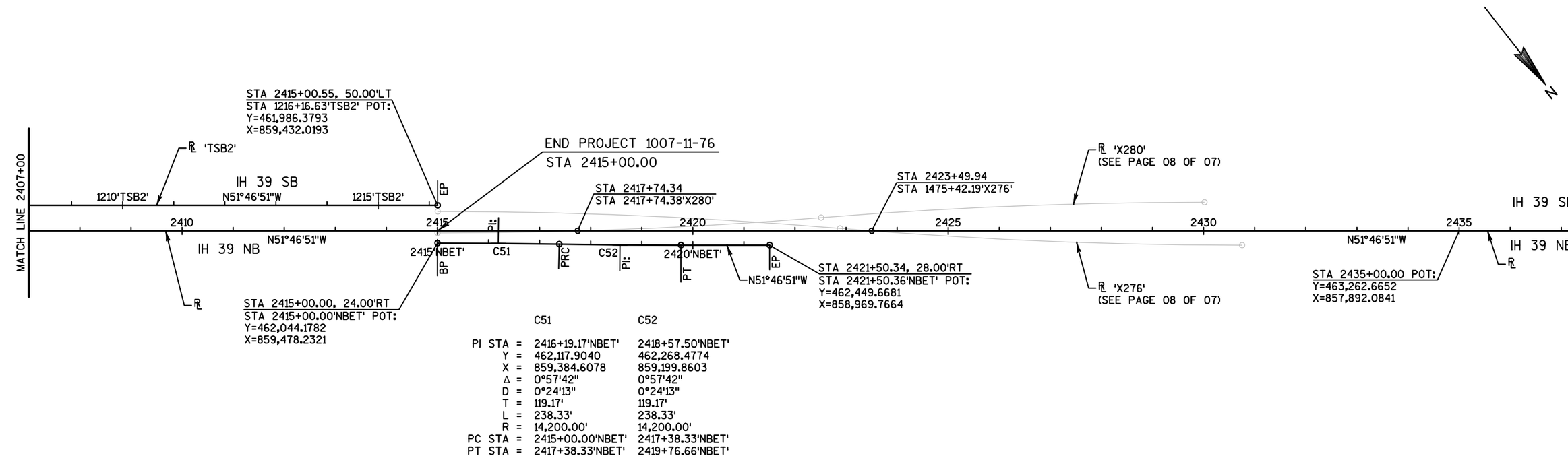
C27

PI STA = 1179+10.10'TSB2'
Y = 459,700.2554
X = 862,359.5419
Δ = 14°38'26"
D = 0°59'59"
T = 736.17'
L = 1,464.32'
R = 5,730.58'
PC STA = 1171+73.94'TSB2'
PT STA = 1186+38.25'TSB2'



C14

PI STA = 2381+12.54
Y = 459,924.6426
X = 862,131.0349
Δ = 15°44'23"
D = 1°14'44"
T = 635.83'
L = 1,263.66'
R = 4,600.00'
PC STA = 2374+76.71
PT STA = 2387+40.36



	C51	C52
PI STA =	2416+19.17'NBET'	2418+57.50'NBET'
Y =	462,117.9040	462,268.4774
X =	859,384.6078	859,199.8603
Δ =	0°57'42"	0°57'42"
D =	0°24'13"	0°24'13"
T =	119.17'	119.17'
L =	238.33'	238.33'
R =	14,200.00'	14,200.00'
PC STA =	2415+00.00'NBET'	2417+38.33'NBET'
PT STA =	2417+38.33'NBET'	2419+76.66'NBET'

FILE NAME : 027200_AD (ALIGNMENT DETAILS).DWG
PLOT DATE : 10/9/2017 6:05 PM
PLOT BY : SEH
LAYOUT NAME : 05
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 02 TYPICAL SECTIONS & DETAILS

IH 39 SB

℄ 'TSB2'
(SEE PAGE 01-05 OF 07)

	C54	C55	C56	C57	C58	C59	C60
PI STA =	829+27.75'XJB'	835+20.11'XJB'	839+95.25'EDS'	847+53.88'EDS'	847+51.10'EDS'	844+17.22'XJA'	849+38.82'XJA'
Y =	455,571.3646	455,600.6726	455,542.4726	455,542.3914	455,542.5544	455,470.5154	455,290.7451
X =	876,468.7317	875,876.6825	875,387.7917	875,388.0431	875,388.3607	874,971.8269	874,481.5281
Δ =	8°40'36"	11°01'10"	206°04'54"	45°04'29"	198°59'35"	11°57'01"	14°55'13"
D =	4°01'15"	7°54'10"	92°24'45"	79°01'43"	92°24'45"	7°01'49"	6°37'26"
T =	108.10'	69.93'	267.68'	30.09'	370.63'	85.30'	113.27'
L =	215.79'	139.44'	223.00'	57.04'	215.33'	169.99'	225.25'
R =	1,425.00'	725.00'	62.00'	72.50'	62.00'	815.00'	865.00'
PC STA =	828+19.65'XJB'	834+50.18'XJB'	842+62.93'EDS'	847+23.79'EDS'	851+21.73'EDS'	843+31.92'XJA'	848+25.55'XJA'
PT STA =	830+35.44'XJB'	835+89.62'XJB'	844+85.93'EDS'	847+80.83'EDS'	853+37.06'EDS'	845+01.90'XJA'	850+50.80'XJA'

N

IH 39 NB

℄ (SEE PAGE 01-05 OF 07)

STA 2226+65.55, 66.87'RT
STA 828+19.65'XJB' POT:
Y=455,582.3691
X=876,576.2740

STA 836+40.67'XJB', 12.00'RT
STA 853+37.06'EDS' POT:
Y=455,595.3244
X=875,755.2184

STA 840+10.33'XJB' POT:
Y=455,530.8151
X=875,391.0315

STA 839+93.70'XJA' POT:
Y=455,530.8151
X=875,391.0315

STA 2249+74.70, 51.99'RT
STA 851+28.73'XJA' POT:
Y=455,273.3655
X=874,291.1250

PC BP — 830'XJB' — PI: C54 — PT — N87°09'58"W — ℄ 'XJB' — PC — 835'XJB' — PI: C55 — PT EP — S81°48'52"W — EP PI: — BP — S81°48'52"W — PC — C59 — PI: — 845'XJA' — PT — S69°51'51"W — PC — PI: — 850'XJA' — C60 — S84°47'05"W — PT — EP

℄ 'XJA'

STA 836+40.67'XJB', 74.00'RT
STA 851+21.73'EDS', 62.00'RT

C58 — PT EP — PC — N62°49'17"E — 860'EDS' — ℄ 'EDS' — PT — 845'EDS' — S72°06'14"E — C57 — PT — PC — PC BP — C56

STA 842+62.93'XJA', 74.00'RT
STA 842+62.93'EDS', 62.00'RT

STA 842+62.93'XJA', 12.00'RT
STA 842+62.93'EDS' POT:
Y=455,504.3608
X=875,122.8374

℄ (SEE PAGE 01-05 OF 07)

℄ 'TSB2'
(SEE PAGE 01-05 OF 07)

N

STA 37+00.01'MN' POT:
Y=460,533.7775
X=860,220.2403

BP — S63°51'11"E — PC 40'MN' C67 — PI: — PT — ℄ 'MN'

STA 48+00.00'MN' PI:
Y=460,386.4574
X=861,286.1775

45'MN' — N88°25'09"E — PI — CTH MN

STA 49+77.63'MN'
STA 1190+31.90'TSB2'

50'MN' — STA 50+49.40'MN'
STA 2388+62.58

N88°21'09"E — PI — STA 52+50.00'MN' PI:
Y=460,399.3949
X=861,735.9912

55'MN' — N88°15'44"E — CTH MN

60'MN' — PI — N87°32'49"E — STA 60+03.36'MN' PI:
Y=460,422.2425
X=862,489.0034

EP — STA 61+00.00'MN' POT:
Y=460,426.3796
X=862,585.5558

IH 39 NB

IH 39 SB

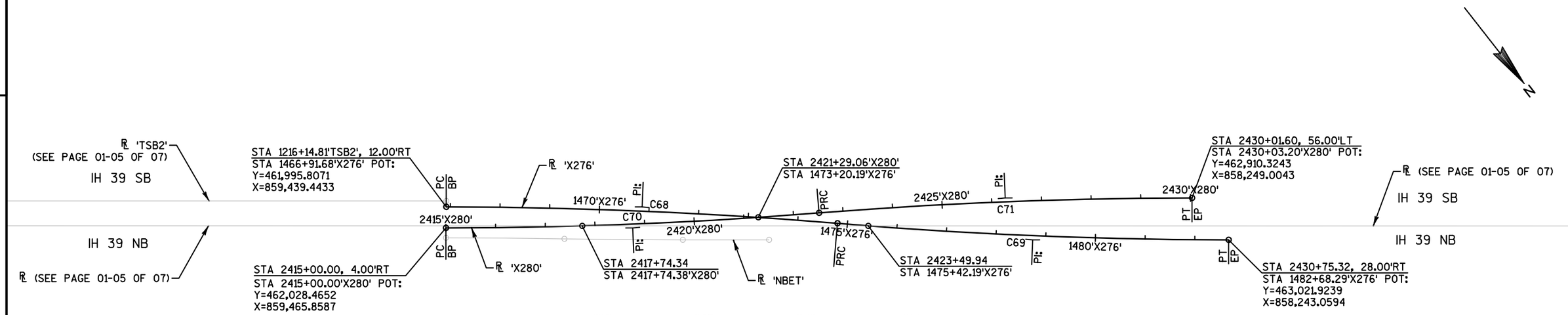
C67

PI STA =	40+79.72'MN'
Y =	460,366.4482
X =	860,561.0946
C67 Δ =	27°43'40"
D =	10°54'49"
T =	129.57'
L =	254.07'
R =	525.00'
PC STA =	39+50.15'MN'
PT STA =	42+04.21'MN'

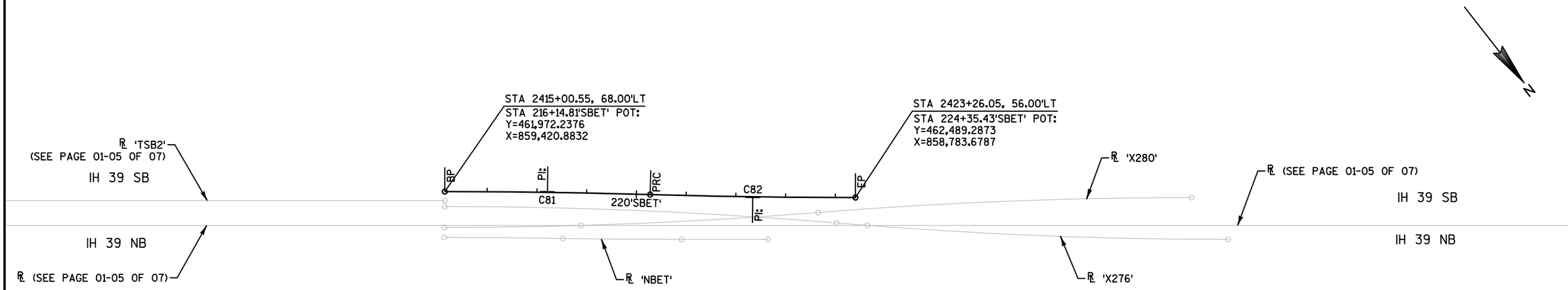
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 06 OF 07	SHEET	E

FILE NAME : 027201_AD (ALIGNMENT DETAILS).DWG | PLOT DATE : 10/9/2017 6:06 PM | PLOT BY : SEH | LAYOUT NAME : 06 | PLOT SCALE : 1.0 IN = 200.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007117\SEC 02 TYPICAL SECTIONS & DETAILS



	C68	C69	C70	C71
PI STA =	1470+86.06'X276'	1478+74.37'X276'	2418+76.00'X280'	2426+27.60'X280'
Y =	462,239.8010	462,777.9303	462,261.0857	462,677.7040
X =	859,129.5958	858,552.9067	859,170.4541	858,544.4085
Δ =	4°47'59"	4°47'59"	4°34'35"	4°34'35"
D =	0°36'32"	0°36'32"	0°36'32"	0°36'32"
T =	394.38'	394.38'	376.00'	376.00'
L =	788.31'	788.31'	751.60'	751.60'
R =	9,410.00'	9,410.00'	9,410.00'	9,410.00'
PC STA =	1466+91.68'X276'	1474+79.99'X276'	2415+00.00'X280'	2422+51.60'X280'
PT STA =	1474+79.99'X276'	1482+68.29'X276'	2422+51.60'X280'	2430+03.20'X280'



	C81	C82
PI STA =	218+21.23'SBET'	222+34.04'SBET'
Y =	462,099.9434	462,364.6749
X =	859,258.7097	858,941.9239
Δ =	1°39'56"	1°39'56"
D =	0°24'13"	0°24'13"
T =	206.42'	206.42'
L =	412.81'	412.81'
R =	14,200.00'	14,200.00'
PC STA =	216+14.81'SBET'	220+27.62'SBET'
PT STA =	220+27.62'SBET'	224+40.43'SBET'

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 07 OF 07	SHEET	E

FILE NAME : 027201_AD (ALIGNMENT DETAILS).DWG | PLOT DATE : 10/9/2017 6:06 PM | PLOT BY : SEH | LAYOUT NAME : 07 | PLOT SCALE : 1.0 IN = 200.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I176\SEC 02 TYPICAL SECTIONS & DETAILS

1007-11-76

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	48.000	48.000
0004	201.0205	Grubbing	STA	48.000	48.000
0006	203.0100	Removing Small Pipe Culverts	EACH	12.000	12.000
0014	203.0200	Removing Old Structure (station) 703. 2388'NB'+62	LS	1.000	1.000
0020	203.0200	Removing Old Structure (station) 802. STA. 2330+00	LS	1.000	1.000
0022	203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (station) 704. 2400'NB'+66.30	LS	1.000	1.000
0024	204.0100	Removing Pavement	SY	57,821.000	57,821.000
0026	204.0110	Removing Asphaltic Surface	SY	2,969.000	2,969.000
0030	204.0165	Removing Guardrail	LF	2,678.000	2,678.000
0032	204.0170	Removing Fence	LF	13,219.000	13,219.000
0034	204.0180	Removing Delineators and Markers	EACH	46.000	46.000
0038	204.0220	Removing Inlets	EACH	5.000	5.000
0040	204.0230	Removing Building (station) 001. 841+58'XJA'	LS	1.000	1.000
0042	204.0245	Removing Storm Sewer (size) 001. 15-Inch	LF	10.000	10.000
0044	204.0245	Removing Storm Sewer (size) 002. 18-Inch	LF	330.000	330.000
0046	204.0245	Removing Storm Sewer (size) 003. 24-Inch	LF	96.000	96.000
0048	204.0245	Removing Storm Sewer (size) 004. 19x30-Inch	LF	12.000	12.000
0050	204.9060.S	Removing (item description) 001. Gate	EACH	1.000	1.000
0054	205.0100	Excavation Common	CY	235,609.000	235,609.000
0056	205.0200	Excavation Rock	CY	40,899.000	40,899.000
0058	205.0400	Excavation Marsh	CY	1,802.000	1,802.000
0066	206.1000	Excavation for Structures Bridges (structure) 703. B-13-723	LS	1.000	1.000
0068	206.1000	Excavation for Structures Bridges (structure) 704. B-13-725	LS	1.000	1.000
0074	206.2000	Excavation for Structures Culverts (structure) 802. C-13-3089	LS	1.000	1.000
0080	206.5000	Cofferdams (structure) 802. C-13-3089	LS	1.000	1.000
0082	208.1100	Select Borrow	CY	12,037.000	12,037.000
0084	210.1500	Backfill Structure Type A	TON	1,150.000	1,150.000
0086	210.2500	Backfill Structure Type B	TON	885.000	885.000
0090	213.0100	Finishing Roadway (project) 002. 1007-11-76	EACH	1.000	1.000
0092	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,782.000	1,782.000
0094	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	68,586.000	68,586.000
0096	311.0115	Breaker Run	CY	108.000	108.000
0098	312.0110	Select Crushed Material	TON	101,394.000	101,394.000
0100	415.0100	Concrete Pavement 10-Inch **P**	SY	2,397.000	2,397.000
0102	415.0120	Concrete Pavement 12-Inch **P**	SY	80,851.000	80,851.000
0104	415.0125	Concrete Pavement 12 1/2-Inch **P**	SY	26,391.000	26,391.000
0106	415.0410	Concrete Pavement Approach Slab **P**	SY	538.000	538.000

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Line	Item	Item Description	Unit	Total	Qty
0110	415.5110.S	Concrete Pavement Joint Layout 002. Project 1007-11-76	LS	1.000	1.000
0112	416.0610	Drilled Tie Bars	EACH	188.000	188.000
0114	416.1010	Concrete Surface Drains **P**	CY	2.800	2.800
0118	440.4410	Incentive IRI Ride	DOL	18,288.000	18,288.000
0120	450.4000	HMA Cold Weather Paving	TON	60.000	60.000
0122	455.0605	Tack Coat	GAL	620.000	620.000
0124	460.2000	Incentive Density HMA Pavement	DOL	2,220.000	2,220.000
0126	460.5223	HMA Pavement 3 LT 58-28 S	TON	37.000	37.000
0128	460.5224	HMA Pavement 4 LT 58-28 S	TON	1,612.000	1,612.000
0130	460.7222	HMA Pavement 2 HT 58-28 S	TON	1,198.000	1,198.000
0132	460.7424	HMA Pavement 4 HT 58-28 H	TON	614.000	614.000
0134	465.0400	Asphaltic Shoulder Rumble Strips	LF	3,920.000	3,920.000
0136	501.1000.S	Ice Hot Weather Concreting	LB	9,775.000	9,775.000
0138	502.0100	Concrete Masonry Bridges **P**	CY	393.000	393.000
0142	502.3200	Protective Surface Treatment **P**	SY	1,997.000	1,997.000
0144	502.3210	Pigmented Surface Sealer	SY	286.000	286.000
0146	503.0137	Prestressed Girder Type I 36W-Inch **P**	LF	819.000	819.000
0148	503.0155	Prestressed Girder Type I 54W-Inch **P**	LF	777.000	777.000
0152	504.0100	Concrete Masonry Culverts **P**	CY	184.000	184.000
0156	505.0400	Bar Steel Reinforcement HS Structures **P**	LB	39,330.000	39,330.000
0158	505.0600	Bar Steel Reinforcement HS Coated Structures **P**	LB	159,540.000	159,540.000
0160	505.0800.S	Bar Steel Reinforcement HS Stainless Structures **P**	LB	4,150.000	4,150.000
0162	506.2605	Bearing Pads Elastomeric Non-Laminated	EACH	32.000	32.000
0172	506.4000	Steel Diaphragms (structure) 703. B-13-723 **P**	EACH	12.000	12.000
0174	506.4000	Steel Diaphragms (structure) 704. B-13-725 **P**	EACH	16.000	16.000
0180	511.1200	Temporary Shoring (structure) 701. B-13-725	SF	530.000	530.000
0186	511.2200	Temporary Shoring Left in Place (structure) 802. C-13-3089	SF	560.000	560.000
0188	511.2200	Temporary Shoring Left in Place (structure) 850. R-13-260	SF	960.000	960.000
0190	511.2200	Temporary Shoring Left in Place (structure) 851. R-13-261	SF	740.000	740.000
0192	511.2300	Temp Shoring Left in Place (location) 001. CTH MN - Door Creek	SF	8,500.000	8,500.000
0194	513.2001	Railing Pipe (structure) 850. R-13-260	LF	108.000	108.000
0196	513.2001	Railing Pipe (structure) 851. R-13-261	LF	102.000	102.000
0198	516.0500	Rubberized Membrane Waterproofing	SY	105.000	105.000
0204	520.8000	Concrete Collars for Pipe	EACH	1.000	1.000
0206	521.1012	Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH	2.000	2.000
0210	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	206.000	206.000

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Line	Item	Item Description	Unit	Total	Qty
0212	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	118.000	118.000
0216	522.0142	Culvert Pipe Reinforced Concrete Class III 42-Inch	LF	118.000	118.000
0218	522.0148	Culvert Pipe Reinforced Concrete Class III 48-Inch	LF	120.000	120.000
0220	522.0418	Culvert Pipe Reinforced Concrete Class IV 18-Inch	LF	204.000	204.000
0222	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	468.000	468.000
0224	522.0430	Culvert Pipe Reinforced Concrete Class IV 30-Inch	LF	120.000	120.000
0232	522.0560	Culvert Pipe Reinforced Concrete Class V 60-Inch	LF	264.000	264.000
0234	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	14.000	14.000
0236	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	14.000	14.000
0238	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	4.000	4.000
0242	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	2.000	2.000
0244	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	2.000	2.000
0248	522.1060	Apron Endwalls for Culvert Pipe Reinforced Concrete 60-Inch	EACH	2.000	2.000
0268	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	3,460.000	3,460.000
0274	603.1142	Concrete Barrier Type S42 **P**	LF	1,955.000	1,955.000
0276	603.8000	Concrete Barrier Temporary Precast Delivered	LF	32,027.000	32,027.000
0278	603.8125	Concrete Barrier Temporary Precast Installed	LF	32,027.000	32,027.000
0280	604.0400	Slope Paving Concrete	SY	60.000	60.000
0282	604.0500	Slope Paving Crushed Aggregate	SY	230.000	230.000
0284	606.0200	Riprap Medium	CY	111.000	111.000
0286	606.0300	Riprap Heavy	CY	684.000	684.000
0296	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	848.000	848.000
0298	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	26.000	26.000
0306	611.0606	Inlet Covers Type B	EACH	4.000	4.000
0308	611.0610	Inlet Covers Type BW	EACH	11.000	11.000
0310	611.0642	Inlet Covers Type MS	EACH	2.000	2.000
0312	611.0651	Inlet Covers Type S	EACH	1.000	1.000
0314	611.0654	Inlet Covers Type V	EACH	2.000	2.000
0322	611.3004	Inlets 4-FT Diameter	EACH	2.000	2.000
0324	611.3220	Inlets 2x2-FT	EACH	3.000	3.000
0326	611.3225	Inlets 2x2.5-FT	EACH	13.000	13.000
0330	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000
0332	612.0106	Pipe Underdrain 6-Inch	LF	1,035.000	1,035.000

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Line	Item	Item Description	Unit	Total	Qty
0334	612.0212	Pipe Underdrain Unperforated 12-Inch	LF	118.000	118.000
0336	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	535.000	535.000
0338	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	4.000	4.000
0340	614.0800	Crash Cushions Permanent	EACH	7.000	7.000
0342	614.0905	Crash Cushions Temporary	EACH	5.000	5.000
0344	614.0930	Salvaged Crash Cushions	EACH	3.000	3.000
0346	616.0100	Fence Woven Wire (height) 001. 4-ft **P**	LF	14,587.000	14,587.000
0352	618.0100	Maintenance And Repair of Haul Roads (project) 002. 1007-11-76	EACH	1.000	1.000
0354	619.1000	Mobilization	EACH	0.400	0.400
0356	624.0100	Water	MGAL	800.000	800.000
0358	625.0100	Topsoil	SY	11,200.000	11,200.000
0360	625.0500	Salvaged Topsoil	SY	197,610.000	197,610.000
0362	627.0200	Mulching	SY	176,785.000	176,785.000
0364	628.1104	Erosion Bales	EACH	965.000	965.000
0366	628.1504	Silt Fence	LF	9,540.000	9,540.000
0368	628.1520	Silt Fence Maintenance	LF	9,540.000	9,540.000
0370	628.1905	Mobilizations Erosion Control	EACH	12.000	12.000
0372	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0374	628.2004	Erosion Mat Class I Type B	SY	2,140.000	2,140.000
0376	628.2008	Erosion Mat Urban Class I Type B	SY	18,680.000	18,680.000
0378	628.2037	Erosion Mat Class III Type C	SY	200.000	200.000
0380	628.6005	Turbidity Barriers	SY	580.000	580.000
0382	628.6505	Soil Stabilizer Type A	ACRE	3.000	3.000
0384	628.6510	Soil Stabilizer Type B	ACRE	0.500	0.500
0386	628.7005	Inlet Protection Type A	EACH	25.000	25.000
0388	628.7010	Inlet Protection Type B	EACH	25.000	25.000
0390	628.7504	Temporary Ditch Checks	LF	6,120.000	6,120.000
0392	628.7515.S	Stone or Rock Ditch Checks	CY	50.000	50.000
0394	628.7555	Culvert Pipe Checks	EACH	100.000	100.000
0396	628.7560	Tracking Pads	EACH	10.000	10.000
0398	628.7570	Rock Bags	EACH	100.000	100.000
0400	629.0205	Fertilizer Type A	CWT	130.000	130.000
0402	630.0110	Seeding Mixture No. 10	LB	1,860.000	1,860.000
0404	630.0130	Seeding Mixture No. 30	LB	1,085.000	1,085.000
0406	633.0100	Delineator Posts Steel	EACH	44.000	44.000
0408	633.0500	Delineator Reflectors	EACH	47.000	47.000
0410	633.1100	Delineators Temporary	EACH	2.000	2.000
0412	633.5200	Markers Culvert End	EACH	34.000	34.000
0414	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	19.000	19.000

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Line	Item	Item Description	Unit	Total	Qty
0416	636.0100	Sign Supports Concrete Masonry **P**	CY	4.600	4.600
0418	636.0500	Sign Supports Steel Reinforcement	LB	266.000	266.000
0422	637.1220	Signs Type I Reflective SH	SF	576.500	576.500
0424	637.2210	Signs Type II Reflective H	SF	351.750	351.750
0426	638.2102	Moving Signs Type II	EACH	55.000	55.000
0428	638.2601	Removing Signs Type I	EACH	2.000	2.000
0430	638.2602	Removing Signs Type II	EACH	4.000	4.000
0432	638.3000	Removing Small Sign Supports	EACH	8.000	8.000
0434	638.3100	Removing Structural Steel Sign Supports	EACH	4.000	4.000
0438	643.0300	Traffic Control Drums	DAY	15,450.000	15,450.000
0440	643.0420	Traffic Control Barricades Type III	DAY	1,890.000	1,890.000
0442	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	114.000	114.000
0444	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	114.000	114.000
0446	643.0705	Traffic Control Warning Lights Type A	DAY	9,400.000	9,400.000
0448	643.0715	Traffic Control Warning Lights Type C	DAY	790.000	790.000
0450	643.0800	Traffic Control Arrow Boards	DAY	110.000	110.000
0452	643.0900	Traffic Control Signs	DAY	22,500.000	22,500.000
0454	643.0920	Traffic Control Covering Signs Type II	EACH	230.000	230.000
0456	643.1050	Traffic Control Signs PCMS	DAY	310.000	310.000
0458	643.5000	Traffic Control	EACH	0.400	0.400
0460	645.0105	Geotextile Type C	SY	352.000	352.000
0462	645.0111	Geotextile Type DF Schedule A	SY	620.000	620.000
0464	645.0120	Geotextile Type HR	SY	1,429.000	1,429.000
0466	645.0140	Geotextile Type SAS	SY	200.000	200.000
0468	645.0220	Geogrid Type SR	SY	1,000.000	1,000.000
0470	646.9000	Marking Removal Line 4-Inch	LF	109,681.000	109,681.000
0472	646.9100	Marking Removal Line 8-Inch	LF	866.000	866.000
0474	649.0105	Temporary Marking Line Paint 4-Inch	LF	75,283.000	75,283.000
0476	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	74,673.000	74,673.000
0478	649.0205	Temporary Marking Line Paint 8-Inch	LF	866.000	866.000
0480	649.0220	Temporary Marking Line Epoxy 8-Inch	LF	1,668.000	1,668.000
0482	649.0770	Temporary Marking Raised Pavement Marker Type II	EACH	46.000	46.000
0484	652.0125	Conduit Rigid Metallic 2-Inch **P**	LF	90.000	90.000
0486	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	LF	465.000	465.000
0494	653.0222	Junction Boxes 18x12x6-Inch	EACH	4.000	4.000
0500	655.0610	Electrical Wire Lighting 12 AWG	LF	8,265.000	8,265.000
0516	670.0100	Field System Integrator 401. ITS 1007-11-76	LS	1.000	1.000
0520	670.0200	ITS Documentation 401. ITS 1007-11-76	LS	1.000	1.000
0522	671.0132	Conduit HDPE 3-Duct 2-Inch **P**	LF	8,285.000	8,285.000
0528	673.0110	Communication Vault Type Round	EACH	5.000	5.000

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Line	Item	Item Description	Unit	Total	Qty
0530	673.0200	Tracer Wire Marker Posts	EACH	5.000	5.000
0550	690.0150	Sawing Asphalt	LF	984.000	984.000
0552	690.0250	Sawing Concrete	LF	1,412.000	1,412.000
0554	715.0415	Incentive Strength Concrete Pavement	DOL	32,891.700	32,891.700
0556	715.0502	Incentive Strength Concrete Structures	DOL	3,462.000	3,462.000
0562	SPV.0035	Special 001. Roadway Embankment	CY	130,139.000	130,139.000
0564	SPV.0035	Special 700. High Performance Concrete (HPC) Masonry Structures **P**	CY	908.000	908.000
0566	SPV.0060	Special 001. Baseline CPM Progress Schedule	EACH	0.400	0.400
0568	SPV.0060	Special 002. CPM Progress Schedule Updates and Accepted Revisions	EACH	8.000	8.000
0572	SPV.0060	Special 004. Test Pits	EACH	14.000	14.000
0574	SPV.0060	Special 005. Landmark Reference Monuments Special	EACH	1.000	1.000
0578	SPV.0060	Special 007. Department Owned Field Office Equipment and Maintenance	EACH	0.400	0.400
0580	SPV.0060	Special 008. Roadway Cleanup	EACH	8.000	8.000
0582	SPV.0060	Special 009. Repair State Owned Energy Absorbing Terminal (EAT)	EACH	6.000	6.000
0584	SPV.0060	Special 200. Temporary Concrete Barrier Gate	EACH	2.000	2.000
0586	SPV.0060	Special 201. Install Department Furnished Crash Cushion Low Maintenance	EACH	1.000	1.000
0588	SPV.0060	Special 202. Repair State Owned Crash Cushion Low Maintenance	EACH	1.000	1.000
0590	SPV.0060	Special 203. Repair State Owned Crash Cushion	EACH	6.000	6.000
0592	SPV.0060	Special 204. Emergency Response to Traffic Incident Involving Roadside Safety Devices	EACH	3.000	3.000
0596	SPV.0090	Special 001. Furnishing Temporary Snow Fence	LF	5,067.000	5,067.000
0598	SPV.0090	Special 002. Installing Temporary Snow Fence	LF	5,067.000	5,067.000
0600	SPV.0090	Special 003. Concrete Pavement Joint Sealing	LF	1,955.000	1,955.000
0604	SPV.0090	Special 005. Repair State Owned Guardrail	LF	1,800.000	1,800.000
0606	SPV.0090	Special 150. Compost Tube	LF	480.000	480.000
0612	SPV.0090	Special 202. Traffic Control Glare Screen Furnished	LF	708.000	708.000
0614	SPV.0090	Special 203. Traffic Control Glare Screen Installed	LF	708.000	708.000
0616	SPV.0090	Special 204. Concrete Barrier Temporary Precast Left In Place	LF	7,365.000	7,365.000
0618	SPV.0090	Special 205. Maintenance and Removal of Concrete Barrier Temp Precast L.I.P. by Others	LF	537.000	537.000
0620	SPV.0090	Special 206. Repair State Owned Concrete Barrier Temporary Precast	LF	700.000	700.000
0622	SPV.0090	Special 850. Fence Chain Link Polymer-Coated 4-Ft.	LF	115.000	115.000
0626	SPV.0105	Special 002. Survey Project 1007-11-76 with Optional AMG for Conc Pavement & Base Course	LS	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0628	SPV.0105	Special 005. Removing Weigh Scale System	LS	1.000	1.000
0636	SPV.0165	Special 700. Longitudinal Grooving Bridge Deck **P**	SF	17,194.000	17,194.000
0638	SPV.0165	Special 850. Wall Concrete Panel Mechanically Stabilized Earth R-13-260 **P**	SF	2,465.000	2,465.000
0640	SPV.0165	Special 851. Wall Concrete Panel Mechanically Stabilized Earth R-13-261 **P**	SF	1,955.000	1,955.000
0642	SPV.0165	Special 852. Temporary Wall Wire Faced Mechanically Stabilized Earth	SF	1,415.000	1,415.000

3

CLEARING AND GRUBBING

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	201.0105 CLEARING (STA)	201.0205 GRUBBING (STA)
1007-11-76	1000	1	2201+70	-	2210+70		9	9
			2215+90	-	2238+90		23	23
			2248+00	-	2264+00		16	16
						STAGE SUBTOTALS	48	48
						PROJECT TOTALS	**48**	**48**

REMOVING PAVEMENT

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0100 (SY)	REMARKS
1007-11-76	1000	1	2195+00	-	2266+00	IH 39 NB	20511	TRAVEL LANES
			2213+09			IH 39 NB, RT	25	CONCRETE FLUME
			2213+62	-	2215+96	IH 39 NB, RT	98	CONCRETE FLUME
			2213+93			IH 39 NB MEDIAN	33	CONCRETE FLUME
			2228+10			IH 39 NB MEDIAN	21	CONCRETE FLUME
			2233+25			IH 39 NB, RT	19	CONCRETE FLUME
			2239+56			IH 39 NB MEDIAN	9	CONCRETE FLUME
			2239+58			IH 39 NB, RT	42	CONCRETE FLUME
			2243+46			IH 39 NB MEDIAN	7	CONCRETE FLUME
			2244+03			IH 39 NB, RT	16	CONCRETE FLUME
			828+19'XJB'	-	840+10'XJB'	EXISTING SWEF NB OFF RAMP	2649	SWEF RAMP
			839+94'XJA'	-	851+29'XJA'	EXISTING SWEF NB ON RAMP	2773	SWEF RAMP
			842+63'EDS'	-	853+37'EDS'	EXISTING SWEF FACILITY	3351	SWEF FACILITY
			845+86'XJA'			EXISTING SWEF NB ON RAMP, RT	4	CONCRETE FLUME
			2323+00	-	2387+57	IH 39 NB	18654	TRAVEL LANES
			2634+97			IH 39 NB MEDIAN	70	CONCRETE FLUME
			2367+65			IH 39 NB MEDIAN	64	CONCRETE FLUME
			2389+29	-	2400+27	IH 39 NB	3172	TRAVEL LANES
			2401+15	-	2415+00	IH 39 NB	4001	TRAVEL LANES
						STAGE SUBTOTALS	55517	
		2	2416+31	-	2428+01	IH 39 NB MEDIAN	2303	CROSSOVER
						STAGE SUBTOTALS	2303	
						PROJECT TOTALS	**57821**	

REMOVING FENCE

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0170 (LF)
1007-11-76	1000	-	2195+55	-	2204+38	IH 39 NB, RT	913
			2217+13	-	2256+25	IH 39 NB, RT	4012
			2331+23	-	2387+07	IH 39 NB, RT	5586
			2388+69	-	2399+17	IH 39 NB, RT	1167
			2399+59	-	2400+54	IH 39 NB, RT	160
			2401+40	-	2415+00	IH 39 NB, RT	1381
						STAGE SUBTOTALS	13219
						PROJECT TOTALS	**13219**

REMOVING SMALL PIPE CULVERTS

PROJECT NUMBER	CATEGORY	STAGE	STATION	OFFSET	DESCRIPTION	203.0100 (EACH)	REMARKS
1007-11-76	1000	1	2200+51	-	30" X 107' CPCS	1	
			2213+64	-	24" X 240' CPCS	1	
			2228+02	-	12" X 133' CPCS	1	
			2233+42	-	42" X 140' CPCS	1	
			2239+57	-	24" X 114' CPCS	1	
			2243+71	-	18" X 127' CPCS	1	
			2261+60	-	24" X 88' CPRC	1	
			2364+93	-	48" X 97' CPCS	1	
			2367+65	-	36" X 105' CPCS	1	
			2377+81		18" X 86' CPCS	1	
			52+45'MN'	-	24" X 62' CPCS	1	CTH MN
					STAGE SUBTOTALS	11	
		2	2387+45	LT	18" X 6 CPRC	1	
					STAGE SUBTOTALS	1	
					PROJECT TOTALS	**12**	

REMOVING ASPHALTIC SURFACE

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0110 (SY)	REMARKS
1007-11-76	1000	1	842+63'EDS'	-	853+37'EDS'	EXISTING SWEF FACILITY	2969	SWEF FACILITY
						STAGE SUBTOTALS	2969	
						PROJECT TOTALS	**2969**	

REMOVING GUARDRAIL

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0165 (LF)
1007-11-76	1000	-	2210+74	-	2217+57	IH 39 NB, MEDIAN	687
			2384+29	-	2387+64	IH 39 NB, MEDIAN	334
			2385+40	-	2387+10	IH 39 NB, OUTSIDE	169
			1187+37'TSB2'	-	1189+86'TSB2'	IH 39 SB, OUTSIDE	248
			1191+58'TSB2'	-	1197+41'TSB2'	IH 39 SB, OUTSIDE	583
			1198+33'TSB2'	-	1200+78'TSB2'	IH 39 SB, OUTSIDE	244
			2398+53	-	2400+34	IH 39 NB, OUTSIDE	182
			2399+74	-	2399+99	IH 39 NB, MEDIAN	25
			1201+88'TSB2'	-	1203+70'TSB2'	IH 39 SB, OUTSIDE	181
			2401+07	-	2401+32	IH 39 NB, MEDIAN	25
						STAGE SUBTOTALS	2678
						PROJECT TOTALS	**2678**

3

REMOVING STORM SEWER

PROJECT NUMBER	CATEGORY	STAGE	STATION	OFFSET	204.0245.001 15-INCH (LF)	204.0245.002 18-INCH (LF)	204.0245.003 24-INCH (LF)	204.0245.004 19x30-INCH (LF)	REMARKS
1007-11-76	1000	1	843+78'EDS'	LT & RT	-	49	-	-	CORRUGATED STEEL
			843+78'EDS'	LT	-	-	45	-	CORRUGATED STEEL
			852+40'EDS'	LT & RT	-	-	51	-	CORRUGATED STEEL
			852+40'EDS'	RT	-	39	-	-	CORRUGATED STEEL
			2398+44	LT	-	-	-	12	CPRCHE
			2402+44	LT	-	10	-	-	CPRC
			2408+45	LT	10	-	-	-	CPRC
				STAGE SUBTOTALS	10	98	96	12	
		2	2415+75 - 2418+07	LT	-	232	-	-	SLOTTED DRAIN
				STAGE SUBTOTALS	0	232	0	0	
				PROJECT TOTALS	**10**	**330**	**96**	**12**	

REMOVING WEIGH SCALE SYSTEM

PROJECT NUMBER	CATEGORY	LOCATION	SPV.0105.005 (LS)
1007-11-76	1000	IH 39 NB SWEF	1
		STAGE SUBTOTALS	1
		PROJECT TOTALS	**1**

REMOVING DELINEATORS AND MARKERS

CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0180 (EACH)
1000	1	2195+00	-	2266+00	IH 39 NB	15
		2226+65'XJB'	-	2238+47'XJB'	EXISTING NB OFF SWEF RAMP	2
		2323+00	-	2387+57	IH 39 NB	12
		2389+29	-	2400+27	IH 39 NB	12
		2401+15	-	2415+00	IH 39 NB	5
					PROJECT TOTAL	**46**

3

REMOVING INLETS

CATEGORY	STAGE	STATION	OFFSET	DESCRIPTION	204.0220 (EACH)
1000	1	843+64'EDS'	50.4' RT	MEDIAN INLET	1
		843+78'EDS'	0.4' LT	CURB INLET	1
		852+40'EDS'	1.4' RT	CURB INLET	1
		852+42'EDS'	41.6' RT	MEDIAN INLET	1
				STAGE SUBTOTAL	4
	2	2418+45	3.2' LT	MEDIAN INLET	1
				STAGE SUBTOTAL	1
				PROJECT TOTAL	**5**

REMOVING BUILDING (STATION)

PROJECT NUMBER	CATEGORY	STAGE	STATION	OFFSET	LOCATION	204.0230 (LS)
1007-11-76	1000	-	841+58'XJA'	31.4' LT	IH 39 NB SWEF	1
					STAGE SUBTOTALS	1
					PROJECT TOTALS	**1**

REMOVING GATE

PROJECT NUMBER	CATEGORY	STAGE	STATION	LOCATION	204.9060.S (EACH)
1007-11-76	1000	-	831+51'XJB'	IH 39 NB SWEF	1
				STAGE SUBTOTALS	1
				PROJECT TOTALS	**1**

EARTHWORK SUMMARY

PROJECT NUMBER	CATEGORY	STAGE	LOCATION	STATION	-	STATION	205.0100 EXCAVATION COMMON (1) CY CUT (2) (CY)	EBS EXCAVATION (3) (CY)	205.0400 EXCAVATION MARSH (4) (CY)	205.0200 ROCK EXCAVATION (CY)	FILL (CY)	208.1100 SELECT BORROW(7) (CY)	645.0220 GEOGRID TYPE SR (SY)	SPV.0035.001 ROADWAY EMBANKMENT (5) (CY)	MASS ORDINATE +/- (6) (CY)
1007-11-76	1000	1	BEGIN STAGE - CTH N AREA	2195+00	-	2266+00	164658	37	802	40255	88974	37		88937	75684
			WILLIAMS DR - CTH MN	2323+00	-	2386+87	44349			644	20391			20391	23958
			CTH MN - DOOR CREEK	2388+82	-	2400+31	121				19915			19915	-19794
			DOOR CREEK - END PROJ LIMITS	2401+60	-	2415+00	9775				583			583	9192
			NB END TRANSITION	2415+00	-	2420+00	1823				26			26	1797
			CTH MN	50+39'MN'	-	52+49'MN'	111				1			1	110
			MEDIAN GRADING FOR C-13-3089 STG 2	GRADING			154				0			0	154
			STAGE SUBTOTALS				**220991**	**37**	**802**	**40899**	**129890**	**37**	**0**	**129853**	**91101**
		2	CROSSOVER 'X280'	2415+00	-	2425+69	2141				91			91	2050
			IH 39 NB SHOULDER RECONSTRUCTION	2420+00	-	2430+75	440				195			195	245
			STAGE SUBTOTALS				**2581**	**0**	**0**	**0**	**286**	**0**	**0**	**286**	**2295**
			UNDISTRIBUTED					12000	1000			12000	1000		
			CATEGORY 1000 SUBTOTALS				223572	12037	1802	40899	130176	12037	1000	130139	93396
			PROJECT TOTALS				**223572**	**12037**	**1802**	**40899**	**130176**	**12037**	**1000**	**130139**	**93396**
								235609							

1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT BORROW
SEE CONSTRUCTION DETAILS FOR LIMITS OF EBS EXCAVATION AND PLACEMENT.
4) MARSH EXCAVATION TO BE BACKFILLED WITH SELECT BORROW IN AREAS OF WATER AS STATED IN NOTE 7. AREAS OF MARSH EXCAVATION NOT FILLED WITH SELECT BORROW TO BE BACKFILLED WITH EMBANKMENT.
SEE CONSTRUCTION DETAILS FOR LIMITS OF MARSH EXCAVATION AND PLACEMENT.
5) ROADWAY EMBANKMENT = FILL + (MARSH EXCAVATION - (SELECT BORROW - EBS))
6) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
MASS ORDINATE = CUT + EBS EXC + MARSH EXC - EMBANKMENT. THE MASS ORDINATE IS FOR INFORMATION PURFOSES ONLY AS COMMON EXCAVATION AND ROADWAY EMBANKMENT ARE NOT BALANCED FOR QUANTITY PURPOSES AND DOES NOT GUARANTEE THE QUALITY OF COMMON EXCAVATION, AND IF IT CAN BE REUSED ONSITE.
7) WHERE WATER IS ENCOUNTERED, PLACE SELECT BORROW TO AN ELEVATION 2 FEET ABOVE THE WATER LINE.

3

BASE AGGREGATE ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH (TON)	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)	*312.0110 SELECT CRUSHED MATERIAL (TON)	**624.0100 WATER (MGAL)
1007-11-76	1000	1	2195+00	-	2266+00	IH 39 NB	592	21691	41882	223
			2195+00	-	2196+82	IH 39 NB MEDIAN TEMP WIDENING	-	147	45	1
			2227+24	-	2241+25	IH 39 NB OUTSIDE TEMP PULLOUT	-	1933	263	19
			2234+80	-	2243+50	IH 39 NB MEDIAN TEMP WIDENING	46	1255	177	13
			2243+50	-	2266+00	IH 39 NB MEDIAN TEMP WIDENING	117	3479	1552	36
			2249+13	-	2258+13	IH 39 NB OUTSIDE TEMP WIDENING	-	877	167	9
			1053+27'TSB2'	-	1055+35'TSB2'	IH 39 SB OUTSIDE TEMP WIDENING	-	199	-	2
			2323+00	-	2327+80	IH 39 NB MEDIAN TEMP WIDENING	36	401	185	4
			2323+00	-	2387+83	IH 39 NB	590	19882	38540	205
			2340+63	-	2355+63	IH 39 NB OUTSIDE TEMP PULLOUT	-	2134	281	21
			2355+47	-	2369+03	IH 39 NB MEDIAN TEMP PULLOUT	-	1999	254	20
			2375+60	-	2376+40	MAINTENANCE CROSSOVER	-	149	-	1
			1186+97'TSB2'	-	1189+85'TSB2'	IH 39 SB OUTSIDE TEMP WIDENING	-	269	-	3
			2389+42	-	2400+00	IH 39 NB	87	3153	6460	32
			1191+58'TSB2'	-	1200+78'TSB2'	IH 39 SB OUTSIDE TEMP WIDENING	-	895	-	9
			1201+87'TSB2'	-	1208+80'TSB2'	IH 39 SB OUTSIDE TEMP WIDENING	-	611	-	6
			2401+30	-	2415+00	IH 39 NB	78	3978	8114	41
			2415+00'NBET'	-	2420+00'NBET'	IH 39 NB TRANSITION	53	2377	-	24
						CTH MN	-	94	-	1
						STAGE SUBTOTALS	1599	65523	97921	671
	1000	2	2415+00'X280'	-	2425+68'X280'	IH 39 TEMP CROSSOVER	-	729	1678	7
			2415+00'X280'	-	2422+00'X280'	IH 39 TEMP CROSSOVER SHLD LT	-	529	880	5
			2415+00'X280'	-	2427+29'X280'	IH 39 TEMP CROSSOVER SHLD RT	98	602	887	7
			2422+69	-	2430+75	IH 39 NB MEDIAN SHLD	85	310	-	4
						STAGE SUBTOTALS	183	2169	3445	24
						UNDISTRIBUTED				105
						PROJECT TOTALS	**1782**	**67692**	**101366**	**800**

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS
** WATER CONVERSION IS 1 MGAL/100 TON OF BASE AGGREGATE DENSE MATERIAL. USE WATER FOR BASE COMPACTION AND DUST CONTROL

CONCRETE PAVEMENT ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	415.0100 10-INCH SY	415.0120 12-INCH SY	415.0125 12 ½-INCH SY	416.0610 DRILLED TIE BARS EACH	REMARKS
1007-11-76	1000	1	2195+00	-	2266+00	IH 39 NB	-	47342	-	24	NB TRAVEL LANES/SHOULDERS
			2323+00	-	2373+00	IH 39 NB	-	33508	-	-	NB TRAVEL LANES/SHOULDERS
			2373+00	-	2387+83	IH 39 NB	-	-	9801	-	NB TRAVEL LANES/SHOULDERS
			2389+42	-	2400+00	IH 39 NB	-	-	7279	-	NB TRAVEL LANES/SHOULDERS
			2401+30	-	2415+00	IH 39 NB	-	-	9310	16	NB TRAVEL LANES/SHOULDERS
			2415+00'X280'	-	2418+07'X280'	IH 39 NB/SB	410	-	-	-	CROSSOVER
						STAGE SUBTOTALS	410	80851	26391	40	
	1000	2				IH 39 NB/SB	1987	-	-	148	CROSSOVER
						STAGE SUBTOTALS	1987	0	0	148	
						PROJECT TOTALS	**2397**	**80851**	**26391**	**188**	

CONCRETE PAVEMENT APPROACH SLAB

PROJECT NUMBER	CATEGORY	STAGE	LOCATION	415.0410 SY
1007-11-76	1000	-	B-13-723	319
			B-13-725	219
			STAGE SUBTOTALS	538
			PROJECT TOTALS	**538**

ASPHALTIC PAVEMENT ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	LAYER THICKNESS (IN)	455.0605 TACK COAT (GAL)	460.5223 HMA PAVEMENT 3 LT 58-28 S (TON)	460.5224 HMA PAVEMENT 4 LT 58-28 S (TON)	460.7222 HMA PAVEMENT 2 HT 58-28 S (TON)	460.7424 HMA PAVEMENT 4 HT 58-28 H (TON)	450.4000 HMA COLD WEATHER PAVING (TON)	
1007-11-76	1000	1	2195+00	-	2196+82	IH 39 NB MEDIAN TEMP WIDENING	4.00	3	-	12	-	-	-	SINGLE
			2234+80	-	2243+50	IH 39 NB MEDIAN TEMP WIDENING	4.00	45	-	200	-	-	-	SINGLE
			2243+50	-	2266+00	IH 39 NB MEDIAN TEMP WIDENING	3.75	-	-	-	638	-	-	LOWER
							2.25	152			-	383		UPPER
			2249+13	-	2258+13	IH 39 NB OUTSIDE TEMP WIDENING	4.00	22	-	100	-	-	-	SINGLE
			1053+27'TSB2'	-	1055+35'TSB2'	IH 39 SB OUTSIDE TEMP WIDENING	4.00	5	-	22	-	-	-	SINGLE
			2323+00	-	2327+80	IH 39 NB MEDIAN TEMP WIDENING	3.75	-	-	-	35	-	-	LOWER
							2.25	8		-	-	21		UPPER
			2328+70	-	2333+55	IH 39 NB OUTSIDE SHOULDER	4.00	5	-	24	-	-	-	SINGLE
			2340+63	-	2355+63	IH 39 NB OUTSIDE TEMP PULLOUT	4.00	76	-	340	-	-	-	SINGLE
			2355+47	-	2369+03	IH 39 NB MEDIAN TEMP PULLOUT	4.00	73	-	326	-	-	-	SINGLE
			2375+60		2376+40	MAINTENANCE CROSSOVER	4.00	12	-	54	-		-	SINGLE
			2377+50	-	2378+80	IH 39 NB MEDIAN TEMP WIDENING	4.00	1	-	6	-	-	-	SINGLE
			2382+13	-	2387+28	IH 39 NB OUTSIDE TEMP WIDENING	4.00	12	-	54	-	-	-	SINGLE
			1191+58'TSB2'	-	1200+78'TSB2'	IH 39 SB OUTSIDE TEMP WIDENING	4.00	22	-	101	-	-	-	SINGLE
			2395+92	-	2400+26	IH 39 NB OUTSIDE TEMP WIDENING	4.00	10	-	44	-	-	-	SINGLE
			1201+87'TSB2'	-	1208+80'TSB2'	IH 39 SB OUTSIDE TEMP WIDENING	4.00	13	-	59	-	-	-	SINGLE
			2415+00'NBET'	-	2420+00'NBET'	IH 39 NB END TRANSITION	5.00	-	-	-	525	-	-	LOWER
			2415+00'NBET'	-	2420+00'NBET'		2.00	94	-	-	-	210	-	UPPER
				-		CTH MN	2.50	-	37	-	-	-	-	LOWER
				-			2.00	13	-	30	-	-	-	UPPER
						STAGE SUBTOTALS		567	37	1372	1198	614	0	
	1000	2	2415+00'X280'	-	2422+00'X280'	IH 39 TEMP CROSSOVER SHLD LT	4.00	21	-	96	-	-	24	SINGLE
			2418+07'X280'	-	2426+96'X280'	IH 39 TEMP CROSSOVER SHLD RT	4.00	26	-	118	-	-	29	SINGLE
			2420+00	-	2422+69	IH 39 NB MEDIAN SHLD	4.00	6	-	27	-	-	7	SINGLE
						STAGE SUBTOTALS		54	0	240	0	0	60	
						PROJECT TOTALS		**620**	**37**	**1612**	**1198**	**614**	**60**	

TEMPORARY SHORING LEFT IN PLACE

CATEGORY	STAGE	STATION	-	STATION	LOCATION	511.2300 (SF)	COMMENTS
1000	1	2385+25	-	2387+62	LT	1600	MAX HEIGHT 7 FEET
		2389+59	-	2399+92	LT	6200	MAX HEIGHT 11 FEET
		2401+22	-	2403+00	LT	700	MAX HEIGHT 4 FEET
					CATEGORY 1000 SUBTOTAL	8500	
					PROJECT TOTAL	**8500**	

RUMBLE STRIPS

PROJECT NUMBER	CATEGORY	STAGE	STATION	STATION	OFFSET	LOCATION	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS (LF)	COMMENTS
1007-11-76	1000	1	1014+30'TSB2'	- 1053+50'TSB2'	LT	IH 39 SB	3920	OUTSIDE SHLD
						STAGE SUBTOTALS	3920	
						PROJECT TOTALS	**3920**	

CULVERT ITEMS

PROJECT NUMBER	CATEGORY	STAGE	PIPE NAME	INLET STATION	INLET OFFSET	INLET ELEV. (FT)	OUTLET STATION	OUTLET OFFSET	OUTLET ELEV. (FT)	SLOPE (%)	522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH (LF)	522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH (LF)	522.0142 CULVERT PIPE REINFORCED CONCRETE CLASS III 42-INCH (LF)	522.0148 CULVERT PIPE REINFORCED CONCRETE CLASS III 48-INCH (LF)	522.0418 CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH (LF)	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH (LF)	522.0430 CULVERT PIPE REINFORCED CONCRETE CLASS IV 30-INCH (LF)	522.0560 CULVERT PIPE REINFORCED CONCRETE CLASS V 60-INCH (LF)	*522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH (EACH)	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH (EACH)	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH (EACH)	522.1042 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH (EACH)	522.1048 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH (EACH)	522.1060 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 60-INCH (EACH)	*633.5200 MARKERS CULVERT END (EACH)	COMMENTS
1007-11-76	1000	1	C133	2200+25	89.5' RT	885.37	2200+25	52.4' LT	880.50	3.4%	142	-	-	-	-	-	-	-	-	2	-	-	-	-	2	
			C136	2213+15	144.1' RT	889.00	2214+00	106.0 LT	887.00	0.8%	-	-	-	-	-	-	-	264	-	-	-	-	-	2	2	
			C139-1	2226+00	64.4' RT	940.50	2226+00	27.6' LT	940.15	0.4%	-	-	-	-	-	92	-	-	-	2	-	-	-	-	1	
			C139-2	2226+10	64.4' RT	940.50	2226+10	27.6' LT	940.15	0.4%	-	-	-	-	-	92	-	-	-	2	-	-	-	-	1	
			C142	2233+53	72.6' RT	948.65	2233+53	45.6' LT	946.00	2.2%	-	118	-	-	-	-	-	-	-	-	2	-	-	-	2	
			C146	2239+58	66.6' RT	952.80	2239+58	43.3' LT	950.00	2.5%	-	-	-	-	-	110	-	-	-	2	-	-	-	-	2	
			C149	2243+00	71.0' RT	950.86	2243+00	49.0' LT	949.00	1.6%	-	-	-	-	-	-	120	-	-	-	2	-	-	-	2	
			C153	2261+62	39.1' LT	935.24	2261+62	68.9' RT	931.00	3.9%	-	-	-	-	-	108	-	-	-	2	-	-	-	-	2	
			C526	2334+00	30.2' LT	868.20	2334+00	77.8' RT	865.12	2.9%	-	-	-	-	108	-	-	-	2	-	-	-	-	-	2	
			C175	2365+70	78.8' RT	880.19	2365+70	39.2' LT	879.56	0.5%	-	-	118	-	-	-	-	-	-	-	-	2	-	-	2	
			C178	2368+00	84.0' RT	879.50	2368+00	36.5' LT	879.33	0.1%	-	-	-	120	-	-	-	-	-	-	-	-	2	-	2	
			C180	2374+30	34.3' LT	889.88	2374+30	61.8' RT	889.59	0.3%	-	-	-	-	96	-	-	-	2	-	-	-	-	-	2	
			-	2376+34	50.5' LT	890.10	2375+70	54.5' LT	889.70	0.4%	64	-	-	-	-	-	-	-	-	2	-	-	-	-	-	
			C182	52+64'MN'	23.2' RT	868.25	52+20'MN'	25.2' LT	868.00	0.4%	-	-	-	-	-	66	-	-	-	2	-	-	-	-	2	
									STAGE SUBTOTALS		206	118	118	120	204	468	120	264	4	14	4	2	2	2	24	
									PROJECT TOTALS		**206**	**118**	**118**	**120**	**204**	**468**	**120**	**264**	**4**	**14**	**4**	**2**	**2**	**2**	**24**	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS

DROP INLET ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	INLET OFFSET	AEW OFFSET	LOCATION	FLANGE ELEVATION	**TOP OF STRUCTURE ELEVATION	BOTTOM OF STRUCTURE ELEVATION	PIPE UNDERDRAIN OUTLET ELEVATION	DEPTH	416.1010 CONCRETE SURFACE DRAINS (CY)	521.1012 APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH (EACH)	*606.0200 RIPRAP MEDIUM (CY)	*611.3220 INLETS 2X2-FT (EACH)	611.0654 INLET COVERS TYPE V (EACH)	612.0212 PIPE UNDERDRAIN UNPERFORATED 12-INCH (LF)	*645.0120 GEOTEXTILE FABRIC TYPE HR (SY)
1007-11-76	1000	-	2388+98.51	47.0' RT	120.0' RT	IH 39	888.32	886.99	884.99	867.00	2.00	1.3	1	-	1	1	68	-
			2401+76.10	47.0' RT	96.3' RT	IH 39	858.89	857.55	855.55	847.61	2.00	1.5	1	-	1	1	50	-
						UNDISTRIBUTED						-	-	5	-	-	-	10
						STAGE SUBTOTALS						2.8	2	5	2	2	118	10
						PROJECT TOTALS						**2.8**	**2**	**5**	**2**	**2**	**118**	**10**

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS
**6-INCH ADJUSTMENT INCLUDED

STORM SEWER SUMMARY

PROJECT NUMBER	CATEGORY	STAGE	INLET STRUCTURE	INLET ELEVATION	OUTLET STRUCTURE	OUTLET ELEVATION	SLOPE %	520.8000 CONCRETE COLLARS FOR PIPE (EACH)	*522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH (EACH)	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH (LF)	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH (LF)	*633.5200 MARKERS CULVERT END (EACH)	JOINT TIES** EACH
1007-11-76	1000	1	01.01.01	887.90	01.01.02	887.68	2.0%	-		11	-		
			01.01.02	887.68	1.01	885.96	2.0%	-	1	86	-	1	6
			01.01.03	877.76	01.03	875.85	2.4%	-	1	80	-	1	6
			02.02.01	868.81	02.02	867.65	1.4%	-	1	80	-	1	6
			02.03.01	861.77	02.03	860.60	1.5%	-	1	80	-	1	6
			02.04.01	856.77	02.04	855.78	1.2%	-	1	80	-	1	6
			03.05.01	853.17	03.05	851.91	1.5%	-	1	86	-	1	6
			03.06.01	852.26	03.06.02	852.19	1.2%	-	-	6	-	-	-
			03.06.02	852.19	03.06.04	852.04	1.0%	-	-	15	-	-	-
			03.06.03	852.14	03.06.04	852.04	1.7%	-	-	6	-	-	-
			03.06.04	852.04	03.06	851.14	1.1%	-	1	81	-	1	6
			04.07.01	853.30	04.07	852.13	1.5%	-	1	80	-	1	6
			04.08.01	856.56	04.08.02	856.49	1.2%	-	-	6	-	-	-
			04.08.02	856.49	04.08	856.17	0.4%	-	1	76	-	1	6
			04.09.01	859.93	04.09	859.69	0.3%	-	1	75	-	1	6
			05.01	864.30	05.02	864.30	0.0%	1	-	-	26	-	-
								1	10	848	26	10	60
								1	**10**	**848**	**26**	**10**	**60**

* ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS
** NON BID ITEM: FOR INFORMATION ONLY

STORM SEWER STRUCTURE SCHEDULE

PROJECT NUMBER	CATEGORY	STAGE	STRUCTURE	STATION	OFFSET**	FLANGE ELEVATION	TOP OF STRUCTURE ELEVATION	BOTTOM OF STRUCTURE ELEVATION	*** DEPTH	611.0610 INLET COVERS TYPE BW (EACH)	611.0606 INLET COVERS TYPE B (EACH)	611.0651 INLET COVERS TYPE S (EACH)	611.0642 INLET COVERS TYPE MS (EACH)	611.3004 INLETS 4-FT DIAMETER (EACH)	611.3225 INLETS 2X2.5-FT (EACH)	*611.3220 INLETS 2X2-FT (EACH)	611.3902 INLETS MEDIAN 2 GRATE (EACH)
1007-11-76	1000	-	01.01.01	2385+00	21.3' LT	891.19	889.86	887.69	2.17	1	-	-	-	-	1	-	-
			01.01.02	2385+00	10.5' LT	896.37	895.04	887.47	7.57	-	1	-	-	-	1	-	-
			01.02.01	2387+46	17.5' LT	887.42	886.92	885.04	1.88	-	-	1	-	-	-	1	-
			01.03.01	2392+00	10.5' LT	882.86	881.53	877.54	3.99	1	-	-	-	-	1	-	-
			02.02.01	2395+00	10.5' LT	873.91	872.58	868.60	3.98	1	-	-	-	-	1	-	-
			02.03.01	2397+50	10.5' LT	866.87	865.54	861.56	3.98	1	-	-	-	-	1	-	-
			02.04.01	2399+75	10.5' LT	861.87	860.54	856.56	3.98	1	-	-	-	-	1	-	-
			03.05.01	2402+50	10.5' LT	858.27	856.94	852.96	3.98	1	-	-	-	-	1	-	-
			03.06.01	2404+82	16.0' LT	856.26	854.93	852.05	2.88	-	1	-	-	-	1	-	-
			03.06.02	2404+82	10.5' LT	857.42	856.09	851.98	4.11	1	-	-	-	1	-	-	-
			03.06.03	2404+67	16.0' LT	856.21	854.88	851.93	2.95	-	1	-	-	-	1	-	-
			03.06.04	2404+67	10.5' LT	857.41	856.08	851.83	4.25	1	-	-	-	1	-	-	-
			04.07.01	2407+00	10.5' LT	858.40	857.07	853.09	3.98	1	-	-	-	-	1	-	-
			04.08.01	2409+75	16.0' LT	861.00	859.67	856.36	3.31	-	1	-	-	-	1	-	-
			04.08.02	2409+75	10.5' LT	861.61	860.28	856.28	4.00	1	-	-	-	-	1	-	-
			04.09.01	2412+50	10.5' LT	865.03	863.70	859.72	3.98	1	-	-	-	-	1	-	-
			05.01	2418+46	27.2' LT	869.40	868.73	864.30	4.43	-	-	-	2	-	-	-	1
			STAGE SUBTOTALS							11	4	1	2	2	13	1	1
			PROJECT TOTAL							11	4	1	2	2	13	1	1

* ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS
** STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
*** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6 -INCH ADJUSTMENT RING HEIGHT

EROSION CONTROL ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	*606.0200 RIPRAP MEDIUM (CY)	606.0300 RIPRAP HEAVY (CY)	628.1104 EROSION BALES (EACH)	628.1504 SILT FENCE (LF)	628.1520 SILT FENCE MAINTENANCE (LF)	628.2004 EROSION MAT CLASS I TYPE B (SY)	628.2008 EROSION MAT URBAN CLASS I TYPE B (SY)	628.2037 EROSION MAT CLASS III TYPE C (SY)	SPV.0090.150 COMPOST TUBE (LF)	628.6005 TURBIDTY BARRIERS (SY)	628.6505 SOIL STABILIZER TYPE A (ACRE)	628.6510 SOIL STABILIZER TYPE B (ACRE)	628.7005 INLET PROTECTION TYPE A (EACH)	628.7010 INLET PROTECTION TYPE B (EACH)	628.7504 TEMPORARY DITCH CHECKS (LF)	628.7515.S STONE OR ROCK DITCH CHECKS (CY)	628.7555 CULVERT PIPE CHECKS (EACH)	628.7570 ROCK BAGS (EACH)	628.7560 TRACKING PADS (EACH)	*645.0120 GEOTEXTILE TYPE HR (SY)	645.0140 GEOTEXTILE TYPE SAS (SY)
1007-11-76	1000	1	2195+00	-	2266+00	IH 39 NB	16	69	-	3573	3573	622	15563	-	400	-	0.9	-	-	-	4600	30	48	-	-	137	150
			2323+00	-	2387+83	IH 39 NB	44	5	-	2617	2617	1161	-	162	-	-	0.6	0.1	3	3	350	-	24	-	-	96	-
			2389+42	-	2400+00	IH 39 NB	26	-	447	925	925	-	-	-	-	-	1.1	-	5	5	150	-	-	-	-	51	-
			2400+45	-	2401+30	IH 39 NB	-	-	-	-	-	-	-	-	-	483	-		0	0	-	-	-	-	-	-	-
			2401+30	-	2415+00	IH 39 NB	-	-	324	513	513	-	-	-	-	-	-	-	10	10	-	-	-	-	-	-	-
						CTH MN	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	11	-
						STAGE SUBTOTALS	92	75	771	7628	7628	1784	15563	162	400	483	2.6	0.1	18	18	5100	30	76	0	0	295	150
		2	2415+00	-	2430+00	IH 39 NB	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
						STAGE SUBTOTALS	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
						UNDISTRIBUTED	14	21	195	1912	1912	357	3118	37	80	97	0.4	0.4	7	7	1020	20	24	100	10	57	50
						PROJECT TOTALS	**106**	**95**	**965**	**9540**	**9540**	**2140**	**18680**	**200**	**480**	**580**	**3.0**	**0.5**	**25**	**25**	**6120**	**50**	**100**	**100**	**10**	**353**	**200**

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS

PIPE UNDERDRAIN

PROJECT NUMBER	CATEGORY	STATION	-	STATION	LOCATION	612.0106 6-INCH (LF)	*645.0111 GEOTEXTILE TYPE DF SCHEDULE A (SY)
1007-11-76	1000	2404+67	-	2415+00	NB IH 39 MEDIAN	1035	460
					PROJECT TOTALS	**1035**	**460**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

FENCING ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	616.0100 FENCE WOVEN WIRE 4-FT (LF)	SPV.0090.001 FURNISHING TEMPORARY SNOW FENCE (LF)	SPV.0090.002 INSTALLING TEMPORARY SNOW FENCE (LF)
1007-11-76	1000	-	2195+55	-	2256+25	IH 39 NB, RT	6235	-	-
			2241+00	-	2256+25	IH 39 NB, RT	-	1,555	1,555
			2331+23	-	238693	IH 39 NB, RT	5561	-	-
			2235+00	-	2367+00	IH 39 NB, RT	-	3,212	3,212
			2388+46		2400+56	IH 39 NB, RT	1417	-	-
			2401+46		2415+00	IH 39 NB, RT	1374	-	-
			2412+00		2415+00	IH 39 NB, RT	-	300	300
						PROJECT TOTALS	**14587**	**5067**	**5067**

EROSION CONTROL MOBILIZATION

PROJECT NUMBER	CATEGORY	STAGE	LOCATION	628.1905 MOBILIZATION EROSION CONTROL (EACH)	628.1910 EMERGENCY MOBILIZATIONS EROSION CONTROL (EACH)
1007-11-76	1000	1	IH 39 NB	8	2
		2	IH 39 NB	2	1
			STAGE SUBTOTALS	10	3
			UNDISTRIBUTED	2	1
			PROJECT TOTALS	**12**	**4**

FINISHING ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	625.0100 TOPSOIL (SY)	625.0500 SALVAGED TOPSOIL (SY)	627.0200 MULCHING (SY)	629.0205 FERTILIZER TYPE A (CWT)	630.0110 SEEDING MIXTURE NO. 10 (LB)	630.0130 SEEDING MIXTURE NO. 30 (LB)
1007-11-76	1000	1	2195+00	-	2266+00	IH 39 NB	-	92985	76800	58.6	935	427
			2323+00	-	2387+83	IH 39 NB	-	55166	54005	34.8	463	376
			2389+42	-	2400+00	IH 39 NB	-	9528	9528	6.0	102	36
			2401+30	-	2415+00	IH 39 NB	-	5729	5729	3.6	47	40
			2231+78	-	2243+94	SWEF FACILITY	9331	-	9331	5.9	126	-
						CTH MN	-	37	37	0.0	-	1
						STAGE SUBTOTALS	9331	163445	155430	109	1672	880
1007-11-76	1000	2	2415+00'NBET'	-	2420+00'NBET'	IH 39 NB	-	1044	1044	0.7	-	19
			2422+00'X280'	-	2427+00'X280'	IH 39 NB/SB	-	1111	1111	0.7	-	20
			2427+00	-	2431+00	IH 39 NB MEDIAN SHLD	-	111	111	0.1	-	2
						STAGE SUBTOTALS		1222	1222	1	0	22
						UNDISTRIBUTED	1869	32942	20133	20	188	183
						PROJECT TOTALS	**11200**	**197610**	**176785**	**130**	**1860**	**1085**

DELINEATOR ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	633.0100 DELINEATOR POSTS STEEL (EACH)	633.0500 DELINEATOR REFLECTORS (EACH)	633.1100 DELINEATOR TEMPORARY (EACH)
1007-11-76	1000	1	2195+00	-	2266+00	RT	18	18	-
			2323+00	-	2420+00	RT	26	29	-
						STAGE SUBTOTALS	44	47	0
		2	2415+00'X280'	-	2428+00'X280'	CROSSOVER X280	-	-	2
						STAGE SUBTOTALS	0	0	2
						PROJECT TOTALS	**44**	**47**	**2**

CONCRETE BARRIER TEMPORARY LEFT IN PLACE ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	SPV.0090.204 CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE (LF)	SPV.0090.205 MAINTENANCE AND REMOVAL OF CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE BY OTHERS (LF)	614.0930 SALVAGED CRASH CUSHIONS (EACH)	614.0800 CRASH CUSHIONS PERMANENT (EACH)	BACK WIDTH (FT)	SIGN PLATE	CRASH TEST LEVEL	TRAFFIC LOCATION
1007-11-76	1000	1				CTH MN	-	500	2	-				
		1			1054+15'TSB2'	LT	-	-	-	1	2	W05-58R	TL-3	LT
					1133+64'TSB2'	RT	-	-	-	1	2	W05-58L	TL-3	RT
			2329+00			LT	-	-	-	1	2	W05-58L	TL-3	RT
			2377+80			LT	-	-	-	1	2	W05-58L	TL-3	RT
			2383+12			RT	-	-	-	1	2	W05-58R	TL-3	LT
					1205+14'TSB2'	RT	-	-	-	1	2	W05-58L	TL-3	RT
			1211+43'TSB2'		1211+80'TSB2'	LT	-	37	1	-				
					2415+00	LT	-	-	-	1	2	W05-58L	TL-3	RT
						CATEGORY 1000 SUBTOTALS	0	537	3	7				
	1800	1	1053+27'TSB2'		1054+15'TSB2'	LT	88	-	-	-				
			1129+88'TSB2'		1133+64'TSB2'	RT	375	-	-	-				
			2329+00		2333+25	LT	425	-	-	-				
			2377+80		2378+80	LT	100	-	-	-				
			1179+26'TSB2'		1188+93'TSB2'	RT	975	-	-	-				
			2383+12		2387+28	RT	416	-	-	-				
			1187+37'TSB2'		1189+85'TSB2'	LT	248	-	-	-				
			1191+00'TSB2'		1205+14'TSB2'	RT	1413	-	-	-				
			1191+58'TSB2'		1200+78'TSB2'	LT	920	-	-	-				
			2396+90		2400+27	RT	337	-	-	-				
			1201+87'TSB2'		1208+80'TSB2'	LT	693	-	-	-				
			2401+23		2415+00	LT	1375	-	-	-				
						CATEGORY 1800 SUBTOTALS	7365	0	0	0				
						PROJECT TOTALS	**7365**	**537**	**3**	**7**				

CONCRETE BARRIER

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	603.1142 TYPE S42 (LF)	SPV.0090.003 CONCRETE PAVEMENT JOINT SEALING (LF)
1007-11-76	1000	1	2378+80	-	2387+97	LT	919	919
			2389+56	-	2399+92	LT	1036	1036
						STAGE SUBTOTALS	1955	1955
						PROJECT TOTALS	**1955**	**1955**

ROADWAY CLEANUP

PROJECT NUMBER	CATEGORY	LOCATION	SPV.0060.008 (EACH)
1007-11-76	1000	UNDISTRIBUTED	8
		PROJECT TOTALS	**8**

DEPARTMENT OWNED FIELD OFFICE EQUIPMENT AND MAINTENANCE

PROJECT NUMBER	CATEGORY	SPV.0060.007 (EACH)	REMARKS
1007-11-76	1000	0.4	PRORATED WITH PROJECT 1007-11-71
PROJECT TOTAL		0.4	

CONCRETE BARRIER TEMPORARY ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED (LF)	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED (LF)	603.8125 CONCRETE BARRIER TEMPORARY PRECAST PINNED** (LF)	SPV.0060.200 TEMPORARY CONCRETE BARRIER GATE (EACH)	614.0905 CRASH CUSHIONS TEMPORARY (EACH)	BACK WIDTH (FT)	SIGN PLATE	CRASH TEST LEVEL	TRAFFIC LOCATION	SPV.0090.202 TRAFFIC CONTROL GLARE SCREEN FURNISHED (LF)	SPV.0090.203 TRAFFIC CONTROL GLARE SCREEN INSTALLED (LF)
1007-11-76	1000	1	995+18'TSB2'		1057+45'TSB2'	LT	6225	6225	-	1	-	-	-	-	-	-	-
			995+18'TSB2'		1001+20'TSB2'	RT	600	600	-	-	-	-	-	-	-	-	-
			1052+54'TSB2'		1057+45'TSB2'	RT	500	500	-	-	1	2	WO5-58R	TL-3	LT	-	-
			1053+27'TSB2'		1054+15'TSB2'	LT	88	88	-	-	1	-	-	-	-	-	-
			1124+02'TSB2'		1216+15'TSB2'	LT	9213	9213	-	1	-	-	-	-	-	-	-
			1124+02'TSB2'		1136+00'TSB2'	RT	1198	1198	-	-	-	-	-	-	-	-	-
			1164+80'TSB2'		1188+93'TSB2'	RT	2413	2413	100	-	1	2	WO5-58R	TL-3	LT	-	-
			2377+80		2378+80	LT	100	100	-	-	-	-	-	-	-	-	-
			2383+12		2387+28	RT	416	416	-	-	-	-	-	-	-	-	-
			1187+37'TSB2'		1189+85'TSB2'	LT	250	250	-	-	-	-	-	-	-	-	-
			1191+00'TSB2'		1216+15'TSB2'	RT	2525	2525	1315	-	-	-	-	-	-	-	-
			1191+58'TSB2'		1200+78'TSB2'	LT	920	920	-	-	-	-	-	-	-	-	-
			2383+12		2387+28	LT	416	416	-	-	-	-	-	-	-	-	-
			1201+87'TSB2'		1208+80'TSB2'	LT	693	693	-	-	-	-	-	-	-	-	-
			2396+90		2400+27	RT	337	337	-	-	-	-	-	-	-	-	-
			2401+23		2415+00	LT	1375	1375	1375	-	-	-	-	-	-	-	-
			1466+92'X276'		1475+48'X276'	LT/RT	1713	1713	-	-	-	-	-	-	-	708	708
						STAGE SUBTOTALS	28,982	28,982	2,790	2	3					708	708
	1000	2	2412+00		2424+70	RT	1270	1270	-	-	1	2	WO5-58L	TL-3	RT	-	-
			1014+28'XSB'		1032+00'XSB'	RT	1775	1775	-	-	1	2	WO5-58L	TL-3	RT	-	-
						STAGE SUBTOTALS	3045	3045	0	0	2					0	0
						PROJECT TOTALS	**32027**	**32027**	**2790**	**2**	**5**					**708**	**708**

**NON-BID ITEM: FOR INFORMATION ONLY

EMERGENCY RESPONSE TO TRAFFIC INCIDENT INVOLVING ROADSIDE SAFETY DEVICES

PROJECT NUMBER	CATEGORY	LOCATION	SPV.0060.204 (EACH)
1007-11-76	1000	UNDISTRIBUTED	3
		PROJECT TOTALS	**3**

TRAFFIC CONTROL

PROJECT NUMBER	CATEGORY	LOCATION	STAGE	DAYS	DRUMS EACH	643.0300 DRUMS DAYS	BARRICADES TYPE III EACH	643.0420 BARRICADES TYPE III DAYS	WARNING LIGHTS TYPE A EACH	643.0705 WARNING LIGHTS TYPE A DAYS	WARNING LIGHTS TYPE C EACH	643.0715 WARNING LIGHTS TYPE C DAYS	ARROW BOARDS EACH	643.0800 ARROW BOARDS DAYS	SIGNS PCMS EACH	643.1050 SIGNS PCMS DAYS	SIGNS EACH	643.0900 SIGNS DAYS	COVERING SIGNS TYPE II EACH	COVERING SIGNS TYPE II # OF CYCLES	643.0920 COVERING SIGNS TYPE II DAYS
1007-11-76	1000	IH 39	1	210	54	11340	0	0	0	5880	0	0	0	0	1	210	29	6090	0	-	0
		CTH MN DETOUR	1	106	0	0	16	1696	28	2968	0	0	0	0	2	28	146	15476	2	1	212
		IH 39	2	23	134	3082	2	46	4	92	32	736	4	92	2	46	28	644	0	-	0
		UNDISTRIBUTED				1028		148		460		54		18		26		290		1	18
		PROJECT TOTALS				**15450**		**1890**		**9400**		**790**		**110**		**310**		**22500**			**230**

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

PROJECT NUMBER	CATEGORY	STAGE	LOCATION	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS (EACH)	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES (EACH)
1007-11-76	1000		CROSSOVER X280	114	114
			PROJECT TOTALS	**114**	**114**

MOVING SIGNS

PROJECT NUMBER	CATEGORY	STAGE	SIGN #	SIGN CODE	LOCATION	638.2102 MOVING SIGNS TYPE II (EACH)
1007-11-76	1000	1	M01-01	D10-5A	IH 39 NB	1
			M01-02	D10-5A	IH 39 NB	1
			M02-01	D10-5A	IH 39 NB	1
			M02-02	D10-5A	IH 39 NB	1
			M02-03	D10-5A	IH 39 NB	1
			M02-04	D10-5A	IH 39 NB	1
			M03-01	D10-5A	IH 39 NB	1
			M03-02	D10-5A	IH 39 NB	1
			M04-01	D10-5A	IH 39 NB	1
			M04-02	D10-5A	IH 39 NB	1
			M05-01	D10-5A	IH 39 NB	1
			M05-02	D10-5A	IH 39 NB	1
			M05-03	D10-5A	IH 39 NB	1
			M05-04	D10-5A	IH 39 NB	1
			M06-01	D10-5A	IH 39 NB	1
			M06-02	J4-2	IH 39 NB	1
			M06-03	D10-5A	IH 39 NB	1
			M07-01	R2-1	IH 39 NB	1
			M07-02	D10-5A	IH 39 NB	1
			M07-03	D10-5A	IH 39 NB	1
			M08-01	D10-5A	IH 39 NB	1
			M08-02	D10-5A	IH 39 NB	1
			M09-01	D10-5A	IH 39 NB	1
			M09-02	D10-5A	IH 39 NB	1
			M09-03	D10-5A	IH 39 NB	1
			M09-04	D10-5A	IH 39 NB	1
			M10-01	D10-5A	IH 39 NB	1
			M10-02	D10-5A	IH 39 NB	1
			M11-01	D10-5A	IH 39 NB	1
			M11-02	D10-5A	IH 39 NB	1
			M11-03	D10-5A	IH 39 NB	1
			M11-04	D10-5A	IH 39 NB	1
			M12-01	D10-5A	IH 39 NB	1
			M12-02	D10-5A	IH 39 NB	1
			M13-01	D10-5	IH 39 NB	1
			M13-02	D10-5	IH 39 NB	1
		STAGE SUBTOTALS				36
			CONTINUED			

CATEGORY	STAGE	SIGN #	SIGN CODE	LOCATION	638.2102 MOVING SIGNS TYPE II (EACH)
1000	2	M01-01	D10-5A	IH 39 NB	1
		M02-01	D10--5A	IH 39 NB	1
		M02-02	D10--5A	IH 39 NB	1
		M03-01	D10--5A	IH 39 NB	1
		M04-01	D10-5A	IH 39 NB	1
		M04-02	D10-5A	IH 39 NB	1
		M05-01	D10-5A	IH 39 NB	1
		M06-01	D10-5A	IH 39 NB	1
		M06-02	D10-5A	IH 39 NB	1
		M07-01	D10-5A	IH 39 NB	1
		M08-01	D10-5A	IH 39 NB	1
		M08-02	D10-5A	IH 39 NB	1
		M09-01	R3-4B	IH 39 NB	1
		M09-02	D10-5A	IH 39 NB	1
		M09-03	R3-4B	IH 39 NB	1
		M10-01	D10-5A	IH 39 NB	1
		M11-01	D10-5A	IH 39 NB	1
		M11-02	D10-5A	IH 39 NB	1
		M12-01	D10-5	IH 39 NB	1
	STAGE SUBTOTALS				19
	PROJECT TOTALS				**55**

PERMANENT SIGNING TYPE I

PROJECT NUMBER	CATEGORY	SIGN #	SIGN CODE	SIZE (INCH) X (INCH)	LOCATION	637.1220 SIGNS TYPE I REFLECTIVE SH (SF)	636.0100 SIGNS SUPPORTS CONCRETE MASONRY (CY)	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT (LB)
1007-11-76	1000	02-01	E1-1A	252 X 156		273.00	1.8	100
			E1-5P	108 X 30		22.50	-	-
		03-01	E3-1	192 X 132		176.00	1.6	98
		07-02	D2-3	168 X 90		105.00	1.2	68
					PROJECT TOTALS	**576.50**	**4.6**	**266**

PERMANENT SIGNING TYPE II

PROJECT NUMBER	CATEGORY	SIGN #	SIGN CODE	SIZE (INCH) X (INCH)	LOCATION	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	634.0616 POSTS WOOD 4X6-INCH X 16 FT (EACH)	REMARKS
1007-11-76	1000	01-01	-	120 X 78	IH 39	65.00	2	FOOD-ATTRACTIONS EXIT 147 ARBYS-SUBWAY OPERA HOUSE
		02-01	-	78 X 18	IH 39	9.75	2	EXIT 147
				132 X 84		77.00	3	CTY N STOUGHTON COTTAGE GROVE 1 MILE
		03-01	-	114 X 78	IH 39	61.75	2	GLACIAL DRUMLIN STATE TRAIL LAKE KEGONSA STATE PARK EXIT 147
		04-01	-	120 X 66	IH 39	55.00	2	GAS-EXIT 147 ROAD RANGER BP
		06-01	J4-2	72 X 54		27.00	2	REASSURANCE ASSEMBLY
		07-01	R2-1	48 X 60		20.00	2	SPEED LIMIT 70
		10-01	M1-94	60 X 21		8.75	2	HWY MN
		11-01	D12-5	60 X 66		27.50	2	TRAVEL INFO CALL 511
					PROJECT TOTALS	**351.75**	**19.00**	

REMOVING SIGNS

PROJECT NUMBER	CATEGORY	SIGN #	SIGN MESSAGE	LOCATION	638.2601 REMOVING SIGNS TYPE I (EACH)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS (EACH)
1007-11-76	1000	R02-01	SCALE CLOSED NO ENTRANCE	IH 39 NB	-	1	2	-
		R03-01	GLACIAL DRUMLIN STATE TRAIL, LAKE KEGONSA STATE PARK, EXIT 147	IH 39 NB	1	-	-	2
		R05-01	EXIT 147, N, STOUGHTON, COTTAGE GROVE 1/2 MILE	IH 39 NB	1	-	-	2
		R06-01	NORTH INTERSTATE 39 / WEST INTERSTATE 90	IH 39 NB	-	1	2	-
		R06-02	SPEED LIMIT 70	IH 39 NB	-	1	2	-
		R10-01	HWY MN	IH 39 NB	-	1	2	-
				PROJECT TOTALS	**2**	**4**	**8**	**4**

3

TEMPORARY MARKING LINE ITEMS (TRAFFIC CONTROL STAGING)

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	649.0105 PAINT 4-INCH EDGELINE WHITE (LF)	649.0105 PAINT 4-INCH EDGELINE YELLOW (LF)	649.0105 PAINT 4-INCH 12.5' SKIPS WHITE (LF)	649.0205 PAINT 8-INCH EDGELINE WHITE (LF)	649.0205 PAINT 8-INCH 3' SKIP WHITE (LF)	649.0770 TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE II (EACH)	646.9000 MARKING REMOVAL LINE 4-INCH (LF)	646.9100 MARKING REMOVAL LINE 8-INCH (LF)
1007-11-76	1000	1	795+35'XSB'	-	856+84'XSB'	IH 39 SB	-	-	-	-	-	-	13835	-
			937+86'XSB'	-	1029+25'XSB'		-	-	-	-	-	-	20563	-
			995+18'TSB2'	-	1057+45'TSB2'	BIDIRECTIONAL IH 39	12450	12450	3113	-	-	-	28013	-
			1124+00'TSB2'	-	1216+17'TSB2'		17247	18432	4608	617	249	-	40287	866
			1466+92'X276'	-	1482+68'X276'	'X276' CROSSOVER	3390	1577	-	-	-	32	4967	-
			216+15'SBET'	-	222+87'SBET'	IH 39 SB END TRANSITION	1344	672	-	-	-	14	2016	-
						STAGE SUBTOTALS	34431	33131	7721	617	249	46	109681	866
						PROJECT TOTALS		**75283**		**866**		**46**	**109681**	**866**

TEMPORARY MARKING LINE ITEMS

PROJECT NUMBER	CATEGORY	STAGE	STATION	-	STATION	LOCATION	649.0120 EPOXY 4-INCH EDGELINE WHITE (LF)	649.0120 EPOXY 4-INCH EDGELINE YELLOW (LF)	649.0120 EPOXY 4-INCH 12.5' SKIPS WHITE (LF)	649.0220 EPOXY 8-INCH EDGELINE WHITE (LF)	649.0220 EPOXY 8-INCH 3' SKIP WHITE (LF)
1007-11-76	1000	-	2195+00	-	2266+00	IH 39 NB	7100	7100	1775	-	-
			2323+00	-	2388+00	IH 39 NB	6500	6500	1625	-	-
			2388+00	-	2400+00	IH 39 NB	1200	1200	300	-	-
			2400+00	-	2420+00	IH 39 NB	2000	2000	500	-	-
			2420+00	-	2430+75	IH 39 NB	-	1075	-	-	-
			795+35'XSB'	-	856+84'XSB'	IH 39 SB	6149	6149	1537	-	-
			937+86'XSB'	-	1029+25'XSB'	IH 39 SB	9139	9139	2285	1531	137
			50+00'MN'	-	53+50'MN'	CTH MN	700	700	-	-	-
						STAGE SUBTOTALS	32788	33863	8022	1531	137
						PROJECT TOTALS		**74673**		**1668**	

3

LANDMARK REFERENCE MONUMENTS SPECIAL

PROJECT NUMBER	CATEGORY	STAGE	LOCATION	SPV.0060.005 (EACH)	REMARKS
1007-11-76	1000	-	2235+34.17, 62.80' RT	1	QUARTER LINE
			STAGE SUBTOTALS	1	
			PROJECT TOTALS	**1**	

CPM PROGRESS SCHEDULE

PROJECT NUMBER	CATEGORY	SPV.0060.001 BASELINE CPM PROGRESS SCHEDULE (EACH)	SPV.0060.002 CPM PROGRESS SCHEDULE UPDATES AND ACCEPTED REVISIONS (EACH)
1007-11-76	1000	0.4	8
		0.4	8
		PROJECT TOTALS **0.4**	**8**

TEST PITS

PROJECT NUMBER	CATEGORY	LOCATION	SPV.0060.004 1007-11-76 (LS)	*312.0110 SELECT CRUSHED MATERIAL (TON)
1007-11-76	1000	UNDISTRIBUTED	14	28
		PROJECT TOTALS	**14**	**28**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

SAWING PAVEMENT

PROJECT NUMBER	CATEGORY	STAGE	STATION	STATION	LOCATION	690.0150 SAWING ASPHALT (LF)	690.0250 SAWING CONCRETE (LF)	REMARKS
1007-11-76	1000	1	2266+00			7	60	TRANSVERSE
			2323+00			6	72	TRANSVERSE
			2420+00			34	-	TRANSVERSE
			50+39'MN'	51+03'MN'	LT	77	-	
			50+89'MN'	51+53'MN'	RT	77	-	
			52+17'MN'		LT	35	-	
			52+66'MN		RT	27	-	
					STAGE SUBTOTALS	263	132	
		2	1016+28'XSB'	1028+23'XSB'	RT	367	828	
			2422+69	2430+75	RT	354	452	
					STAGE SUBTOTALS	721	1,280	
					PROJECT TOTALS	**984**	**1,412**	

GUARDRAIL AND BARRIER REPAIR ITEMS

PROJECT NUMBER	CATEGORY	LOCATION	SPV.0060.009 REPAIR STATE OWNED ABSORBING TERMINAL (EAT) (EACH)	SPV.0090.005 REPAIR STATE OWNED GUARDRAIL (LF)	SPV.0060.201 INSTALL DEPARTMENT FURNISHED CRASH CUSHION LOW MAINTENANCE (EACH)	SPV.0060.202 REPAIR STATE OWNED CRASH CUSHION LOW MAINTENANCE (EACH)	SPV.0060.203 REPAIR STATE OWNED CRASH CUSHION (EACH)	SPV.0090.206 REPAIR STATE OWNED CONCRETE BARRIER TEMPORARY PRECAST (LF)
1007-11-76	1000	UNDISTRIBUTED	6	1800		1	6	700
	1800	UNDISTRIBUTED			1			
		PROJECT TOTALS	**6**	**1800**	**1**	**1**	**6**	**700**

SURVEY PROJECT 1007-11-76 WITH OPTIONAL AMG FOR CONCRETE PAVEMENT AND BASE COURSE

PROJECT NUMBER	CATEGORY	SPV.0105.002 (LS)
1007-11-76	1000	1
STAGE SUBTOTALS		1
PROJECT TOTALS		**1**

CONCRETE PAVEMENT JOINT LAYOUT PROJECT 1007-11-76

PROJECT NUMBER	CATEGORY	415.5110.S.002 (LS)
1007-11-76	1000	1
PROJECT TOTALS		**1**

3

3

ITS PULL BOX & COMMUNICATIONS VAULT ITEMS

EQUIPMENT CODE	STATION	OFFSET	673.0110 COMMUNICATION VAULT TYPE ROUND EACH	673.0200 TRACER WIRE MARKER POSTS EACH
CATEGORY 1200				
CV-14	2209+20 'NB'	RT	1	1
CV-15	2225+50 'NB'	RT	1	1
CV-16	2241+30 'NB'	RT	1	1
CV-17	2257+50 'NB'	RT	1	1
CV-18	2274+40 'NB'	RT	1	1
TOTALS			5	5

ITS CONDUIT ITEMS

FROM	TO	LINEAR DISTANCE LF	671.0132 CONDUIT HDPE 3-DUCT 2-INCH LF
CATEGORY 1200			
CV-13	CV-14	1710	1710
CV-14	CV-15	1640	1640
CV-15	CV-16	1650	1650
CV-16	CV-17	1645	1645
CV-17	CV-18	1640	1640
TOTALS			8285

3

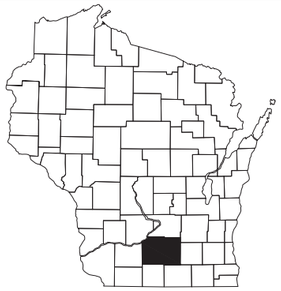
3

ITS CABLE ITEMS

FROM	TO	LINEAR DISTANCE LF	CABLE SLACK ELECTRICAL LF	NUMBER OF WIRES/CABLES EACH	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF
CATEGORY 1200					
CV-13	CV-14	1695	6	1	1701
CV-14	CV-15	1635	6	1	1641
CV-15	CV-16	1635	6	1	1641
CV-16	CV-17	1635	6	1	1641
CV-17	CV-18	1635	6	1	1641
TOTALS					8265

ITS MISCELLANEOUS ITEMS

ITEM ID	EQUIPMENT CODE	STATION	OFFSET	670.0100.401 FIELD SYSTEM INTEGRATOR (ITS) LS	670.0200.401 ITS DOCUMENTATION (ITS) LS
CATEGORY 1200					
UNDISTRIBUTED	---	---	---	1	1
TOTALS				1	1



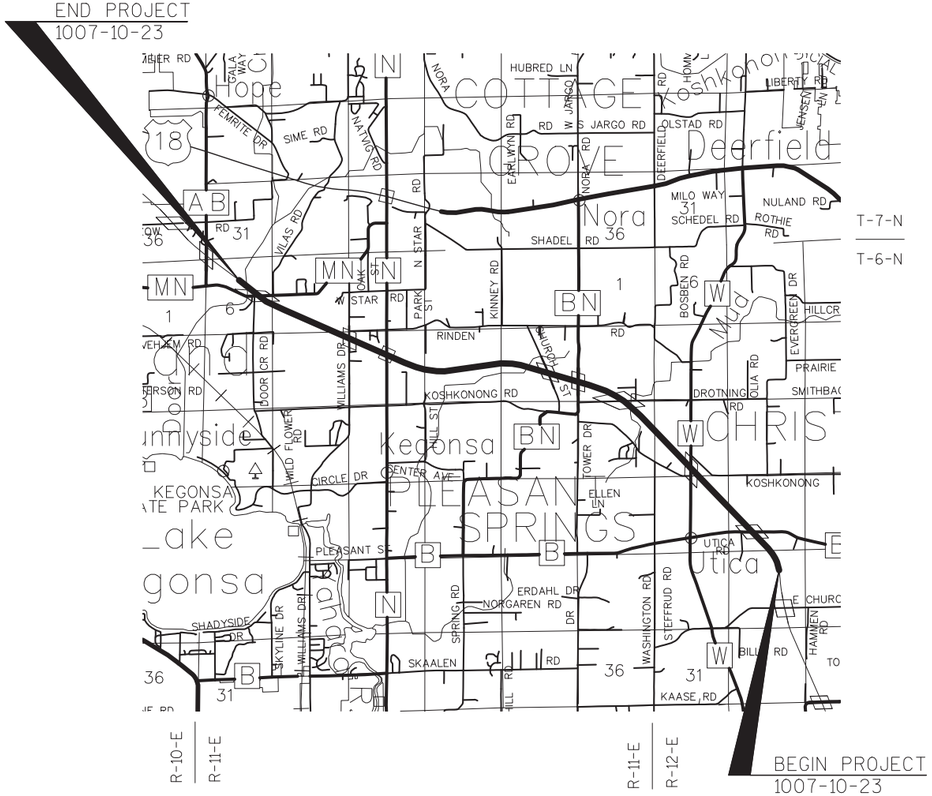
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

PROJECT 1007-10-23
ILLINOIS STATE LINE - MADISON

(EAST CHURCH ROAD TO CTH AB)

I-39/90
DANE COUNTY



CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
R/W WIDTH TO PREVIOUS PROJECT RL

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES
ELECTRIC POLE
TELEPHONE POLE
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)
ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
BRIDGE

R/W STANDARD
R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE SIGN

COMPENSABLE | NON-COMPENSABLE

PARCEL NUMBER 25
UTILITY NUMBER 40

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF BEGINNING	POB
ACRES	AC.	POINT OF CURVATURE	PC
AND OTHERS	ET AL	POINT OF COMPOUND CURVE	PCC
BUILDING	B	POINT OF INTERSECTION	PI
CERTIFIED SURVEY MAP	CSM	PROPERTY LINE	P.L.
COUNTY TRUNK HIGHWAY	CTH	RECORDED AS	(100')
CORNER	COR.	REFERENCE	REF.
DOCUMENT NUMBER	DOC.	REFERENCE LINE	RL
EXISTING	EX	REMAINING	REM.
GRID NORTH	GN	RIGHT	RT
INTERSECTION	INT.	RIGHT OF WAY	R/W
LEFT	LT	POINT	PNT.
MISCELLANEOUS	MISC.	SECTION	SEC.
MONUMENT	MON	STATION	STA.
NATIONAL GEODETIC SURVEY	NGS	TANGENT	TAN.
NUMBER	NO.	TEMPORARY LIMITED EASEMENT	TLE
PAGE	P.	TRAVERSE	TRAV.
POINT OF TANGENCY	PT	VOLUME	V.
PERMANENT LIMITED EASEMENT	PLE		

CURVE DATA

LONG CHORD	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

WATER —W—
GAS —G—
TELEPHONE —T—
OVERHEAD TRANSMISSION LINES —OH—
ELECTRIC —E—
CABLE TELEVISION —TV—
FIBER OPTIC —FO—
SANITARY SEWER —SAN—
STORM SEWER —SS—

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 1007-10-23.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83(2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368501), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING ACCESS CONTROL ALONG WILLIAMS DRIVE HAS BEEN ESTABLISHED FROM PLEASANT OAKS SUBDIVISION PLAT.

EXISTING ACCESS CONTROL ALONG RINDEN ROAD HAS BEEN ESTABLISHED FROM PLEASANT OAKS SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH B ESTABLISHED FROM PREVIOUS DANE COUNTY PROJECT NO.15023_1969, CSM 11876, CSM 10889 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR UTICA ROAD ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, CHRISTIANA BOOK, PAGE 91 AND CSM 8022.

EXISTING HIGHWAY RIGHT-OF-WAY FOR KOSHKONONG ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, BELL VIEW SUBDIVISION PLAT, CSM 2615, CSM 12246 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH W ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND CSM 12406.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DROTNING ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 9144 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR STRAUS DRIVE ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, PLEASANT SPRINGS BOOK, PAGES 99-100, CSM 7384, CSM 9144 AND CSM 10412.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH BN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 8417 AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CHURCH STREET ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 920, CSM 9170, CSM 10311, CSM 12691 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RINDEN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 2589 AND CSM 7650.

EXISTING HIGHWAY RIGHT-OF-WAY FOR WILLIAMS DRIVE ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PLEASANT OAKS SUBDIVISION PLAT, CSM 800, CSM 6287 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR LUNDE LANE ESTABLISHED FROM DOC.4439138 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH MN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, ROIDT SUBDIVISION PLAT AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DOOR CREEK ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND ROIDT SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY FOR ROIDT DRIVE ESTABLISHED FROM ROIDT SUBDIVISION PLAT.

PROJECT NUMBER 1007-10-23-4.08
SHEET 2 of 2

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040100_RP.DWG
APPRAISAL PLAT DATE : 12/10/2014
PLOT DATE : 12/10/2014
PLOT BY : OTIE
PLOT SCALE : 1:100

1007-10-23-4.00

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.01

THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 29, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

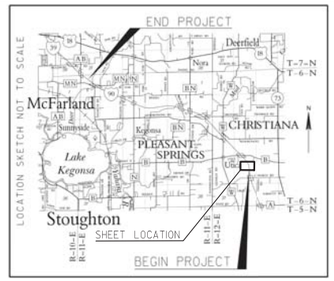
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
1	DOUGLAS O. NELSON & CARIE J. NELSON THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE	0.134	---	0.134	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED



KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5219192
03/08/2016 8:54 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.01
AMENDMENT NO:___

ALUMINUM MONUMENT FOUND
Y = 447639.843
X = 896781.904

SEE TPP 1007-10-23-4.02

1 1/4" REBAR SET
Y = 442367.267
X = 896732.968

STONE MONUMENT FOUND
Y = 442375.796
X = 894069.789

3/4" REBAR FOUND
Y = 442365.617
X = 899438.167

RL=N43°28'16"W 2161'

PT: 1974+34.96

TAN. RL
S43°28'16"E, 245.91'
PT TO TRAV. PNT.

S89°57'54"E, 167.22'
TAN. TO R/W

S89°48'59"E, 2219.79'
MON TO R/W

S89°48'59"E, 443.41'
R/W TO MON

N89°57'54"W, 2218.10'
MON TO R/W

SECTION LINE
P.L.

SECTION LINE STA. 1971+97.97

S89°57'54"E, 319.89'
MON TO TAN.

TAN. RL
S43°28'16"E, 790.14'
TRAV. PNT.

PI STA.1965+27.98

LOT 1
CSM 12802
V.81, P.91-92
DOC.4611825

S2°03'11"E, 1314.59'
MON TO R/W

TOWN

NE-NW

NW-NE

NE-NE

SE-NW

SW-NE

SE-NE

CHRISTIANA

OF

PI STA = 1965+27.98
Y = 441837.195
X = 897555.182
DELTA = 37°12'12" LT
D = 1°58'33"
T = 976.05'
L = 1883.02'
R = 2900.00'
PC STA = 1955+51.93
PT STA = 1974+34.96
DA = N43°28'16"W

66' ACCESS EASEMENT DOC.4609166

EXISTING RL FOR PROJECT I-90-3(29)140

RAMP "W" RL FOR PROJECT I-90-3(29)140

EXISTING AUXILIARY RL FOR PROJECT I-90-3(29)140

RAMP "E" RL FOR PROJECT I-90-3(29)140

RAMP "C" RL FOR PROJECT I-90-3(29)140

I-39/90

1/16 LINE

1/4 LINE

P.L.

PC: 1955+51.93

RL=N6°16'04"W

PT: 1947+80.35

S78°18'08"W, 221.76'
R/W TO RL

N6°16'04"W, 49.87'
PT TO TRAV. PNT.
AT STA.1948+30.22

S78°18'08"W, 216.03'
RL TO R/W

STA. 1957+24.85

STA. 1943+86.77

SEE SHEET 4.03

SEE TPP 1007-10-21-4.23

N0°30'45"W, 4322.02'
MON TO R/W

S2°03'11"E, 979.57'
MON TO R/W

N2°03'11"W, 973.57'
MON TO R/W

SIGN NUMBER	SIGN OWNER	OASIS NO.
1-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE DOUGLAS O. NELSON & CARIE J. NELSON	14431

6" x 6" STONE MONUMENT RESET
Y = 439718.052
X = 894041.936

CALCULATED POSITION BASED ON FOUND WITNESS MONUMENT
Y = 437065.940
X = 896780.393

6" X 6" STONE MONUMENT FOUND
Y = 439705.330
X = 899533.534

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

R/W COURSE TABLE

IP182-101	S43°28'23"E	714.85'
101-102	SEE CURVE DATA IN TABLE	
102-103	S88°53'58"E	294.00'
103-104	SEE CURVE DATA IN TABLE	
104-105	S2°03'11"E	373.75'
105-106	S88°59'23"W	896.78'
106-107	SEE CURVE DATA IN TABLE	
107-108	S49°21'10"W	177.50'
108-109	SEE CURVE DATA IN TABLE	
110-111	N3°39'51"W	490.73'
111-112	N13°25'54"W	253.92'
112-113	N13°25'54"W	26.07'
113-114	SEE CURVE DATA IN TABLE	
114-115	SEE CURVE DATA IN TABLE	
115-116	N11°49'23"W	104.89'

R/W STATION & OFFSET TABLE

IP182	1970+90.06	142.78'
101	1964+42.88	307.15'
102	1956+03.86	1324.68'
103	1955+76.30	1615.73'
104	1955+36.63	1832.80'
105	1951+63.89	1805.33'
106	1952+46.07	912.33'
107	1952+07.70	601.90'
108	1951+07.48	455.41'
109	1948+51.21	220.77'
110	1948+09.78	215.06'
111	1953+00.00	192.77'
112	1955+51.93	224.43'
113	1955+80.00	227.56'
114	1964+04.24	766.16'
115	1976+26.06	607.86'
116	1977+15.36	552.83'

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	2779.93'	1487.93'	1470.24'	S58°48'24"E
C2	2719.93'	223.72'	223.66'	S82°29'46"E
C3	734.00'	315.21'	312.79'	S76°41'14"W
C4	709.00'	351.04'	347.46'	S36°12'33"W
C5	1980.08'	871.69'	864.67'	N53°02'04"W
C6	1980.08'	988.37'	978.14'	N26°07'22"W

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP180	441768.837	897537.730	1" IRON ROD-"T"
IP181	441841.799	897551.278	1" IRON ROD-"T"
IP182	442366.970	897220.073	0.75" REBAR

GN

0 200 400
SCALE, FEET

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 2/26/2016 DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 3/04/2016 D...

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

OTIE Oneida Total Integrated Enterprises

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040101_RP.DWG
APPRAISAL PLAT DATE : 2/26/2016
PLOT DATE : 2/26/2016 12:45 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : **********

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.02

THAT PART OF LOT 1, CSM 10889, LOCATED IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF LOT 2, CSM 10889, LOCATED IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 AND THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 20, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)14.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH B ESTABLISHED FROM PREVIOUS DANE COUNTY PROJECT NO. 15023_1969, CSM 11876, CSM 10889 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR UTICA ROAD ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, CHRISTIANA BOOK, PAGE 91 AND CSM 8022.

R/W STATION & OFFSET TABLE

201	1977+15.36	552.83'
202	1979+02.79	437.30'
203	1984+40.00	214.19'
204	1992+07.84	240.00'
205	1992+35.79	269.37'
206	1988+36.79	150.00'
207	1986+00.00	135.00'
208	1977+89.28	135.00'
209	1974+34.96	135.00'
IP286	1970+90.06	142.78'
210	1991+37.23	165.79'

R/W COURSE TABLE

201-202	N11°49'23"W	220.17'
202-203	SEE CURVE DATA ON SHEET	
203-204	N45°23'46"W	768.27'
204-205	N89°53'52"W	40.54'
206-207	S39°50'47"E	237.27'
207-208	S43°28'16"E	810.72'
208-209	S43°28'16"E	354.33'
209-IP286	S41°17'43"E	361.29'
204-210	S89°53'52"E	102.43'

TLE STATION & OFFSET TABLE

T250	1990+00.00	233.01'
T251	1990+00.00	245.00'
T252	1991+31.13	250.00'
T253	1991+33.44	237.50'
T254	1991+99.06	305.00'

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP280	443669.414	895422.473	2" IRON PIPE
IP281	443666.133	895988.244	0.75" REBAR
IP282	443665.099	896549.385	0.75" REBAR
IP283	443664.843	896744.797	0.75" REBAR
IP284	443036.943	896585.017	0.75" REBAR/ALUM. CAP
IP285	442950.742	896666.745	0.75" IRON PIPE
IP286	442366.970	897220.073	0.75" REBAR

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
1	DOUGLAS O. NELSON & CARIE J. NELSON THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE, TLE	1.073	0.122	1.195	0.117	---
3	TIMOTHY CAIRNS	FEE	0.350	---	0.350	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
221	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS

202 WISCONSIN POWER AND LIGHT COMPANY
V.243, P.495, DOC.826825 - PARCEL 1
V.399, P.413, DOC.1086349 - PARCEL 1, 3

221 FRONTIER COMMUNICATIONS OF WI LLC
V.361, P.342, DOC.1024155 - PARCEL 1, 3

SIGN SCHEDULE

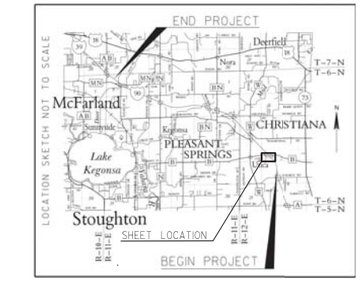
SIGN NUMBER	SIGN OWNER	OASIS NO.
1-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE DOUGLAS O. NELSON & CARIE J. NELSON	14431

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5219198
03/08/2016 9:18 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.02
AMENDMENT NO:___

ALUMINUM MONUMENT FOUND
Y = 447639.843
X = 896781.904



CHRISTIANA

SEE TPP 1007-10-23-4.03

SEE SHEET 4.03

SEE TPP 1007-10-23-4.01

STONE MONUMENT FOUND
Y = 442375.796
X = 894069.789

1 1/4" REBAR SET
Y = 442367.267
X = 896732.968

3/4" REBAR FOUND
Y = 442365.617
X = 899438.167

PI STA = 1965+27.98
Y = 441837.195
X = 897555.182
DELTA = 37°12'12" LT
D = 1°58'33"
T = 976.05'
L = 1883.02'
R = 2900.00'
PC STA = 1955+51.93
PT STA = 1974+34.96
DA = N43°28'16"W

R = 1840.08'
L = 584.15'
LCB = N20°55'03"W
LC = 581.70'

TLE - SLOPES 0.080 AC.

TLE - DRIVEWAY 0.037 AC.

LIMITED HIGHWAY EASEMENT (PREVIOUS PROJECT I-90-3(29)140)

LIMITED HIGHWAY EASEMENT V.356, MISC., P.328-329 DOC.1017007 (PREVIOUS PROJECT I-90-3(29)140)

25' JOINT DRIVEWAY ACCESS EASEMENT CSM 10889, DOC.3831176

66' ACCESS EASEMENT DOC.4609166

33' DEDICATED TO PUBLIC PER CSM 8022, V.42, P.308-312, DOC.2719295

LOT 1 CSM 10889 V.65, P. 102-105 DOC.3831176

LOT 2 CSM 10889 V.65, P.102-105 DOC.3831176

RAMP "W" RL FOR PROJECT I-90-3(29)140 RL=N43°28'16"W

RAMP "E" RL FOR PROJECT I-90-3(29)140

EXISTING RL FOR PROJECT I-90-3(29)140

RUINS

S0°31'54"W, 194.33' RW TO RL

N0°31'54"E, 332.98' MON TO RL

S0°23'54"W, 4744.49' MON TO R/W

TAN. RL S43°28'16"E, 245.91' PT TO TRAV. PNT.

TAN. RL N43°28'16"W, 230.14' PT TO TRAV. PNT.

S89°48'59"E, 2219.79' MON TO R/W

N89°48'59"W, 443.41' MON TO R/W

N89°57'54"W, 319.89' TAN TO MON

N89°57'54"W, 2218.10' MON TO R/W

N89°57'54"W, 167.22' R/W TO TAN.

S89°54'44"E, 372.68' TRAV. PNT. TO RL

S89°54'44"E, 213.99' RL TO TRAV. PNT.

S36°28'59"E, 41.71' TRAV. PNT. TO R/W

N0°39'24"E, 33.34' TRAV. PNT. TO TRAV. PNT.

N89°53'52"W, 33.00' R/W TO TRAV. PNT.

STA. 1990+25.65 1/16 LINE

STA. 1976+49.50 1/4 LINE

STA. 1971+97.97 SECTION LINE

SECTION LINE

1/16 LINE

1/4 LINE

CTH B

UTICA ROAD

I-39/90

SW-SW SE-SW SW-SE

TOWN OF

GN

SCALE, FEET

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 2/26/2016 DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 3/04/2016 DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040102_RP.DWG
APPRAISAL PLAT DATE : 2/26/2016
PLOT DATE : 2/26/2016 2:46 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : **********

1007-10-23-4.02

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH B ESTABLISHED FROM DANE COUNTY PROJECT NO. 15023_1969, CSM 11876, CSM 10889 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR UTICA ROAD ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, CHRISTIANA BOOK, PAGE 91 AND CSM 8022.

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.03

THAT PART OF LOT 1, CSM 11876, LOCATED IN THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF LOT 2, CSM 11876, LOCATED IN THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 AND IN THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 20, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

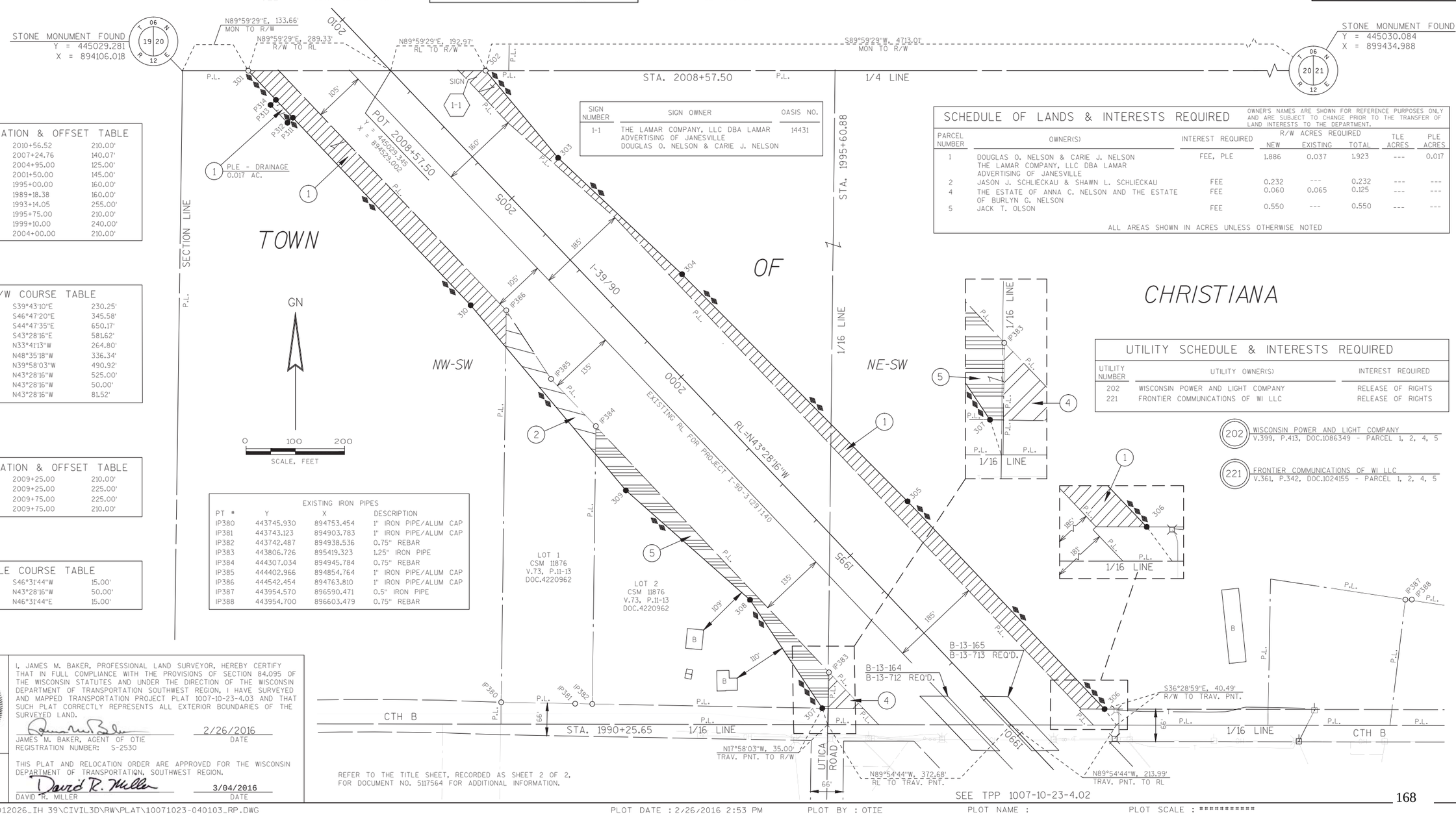
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5219199
03/08/2016 9:20 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.03
AMENDMENT NO:___

SEE TPP 1007-10-23-4.04



R/W STATION & OFFSET TABLE		
301	2010+56.52	210.00'
302	2007+24.76	140.07'
303	2004+95.00	125.00'
304	2001+50.00	145.00'
305	1995+00.00	160.00'
306	1989+18.38	160.00'
307	1993+14.05	255.00'
308	1995+75.00	210.00'
309	1999+10.00	240.00'
310	2004+00.00	210.00'

R/W COURSE TABLE		
302-303	S39°43'10"E	230.25'
303-304	S46°47'20"E	345.58'
304-305	S44°47'35"E	650.17'
305-306	S43°28'16"E	581.62'
307-308	N33°41'13"W	264.80'
308-309	N48°35'18"W	336.34'
309-310	N39°58'03"W	490.92'
310-P311	N43°28'16"W	525.00'
P311-P314	N43°28'16"W	50.00'
P314-301	N43°28'16"W	81.52'

PLE STATION & OFFSET TABLE		
P311	2009+25.00	210.00'
P312	2009+25.00	225.00'
P313	2009+75.00	225.00'
P314	2009+75.00	210.00'

PLE COURSE TABLE		
P311-P312	S46°31'44"W	15.00'
P312-P313	N43°28'16"W	50.00'
P313-P314	N46°31'44"E	15.00'

SIGN NUMBER	SIGN OWNER	OASIS NO.
1-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE DOUGLAS O. NELSON & CARIE J. NELSON	14431

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP380	443745.930	894753.454	1" IRON PIPE/ALUM CAP
IP381	443743.123	894903.783	1" IRON PIPE/ALUM CAP
IP382	443742.487	894938.536	0.75" REBAR
IP383	443806.726	895419.323	1.25" IRON PIPE
IP384	444307.034	894945.784	0.75" REBAR
IP385	444402.966	894854.764	1" IRON PIPE/ALUM CAP
IP386	444542.454	894763.810	1" IRON PIPE/ALUM CAP
IP387	443954.570	896590.471	0.5" IRON PIPE
IP388	443954.700	896603.479	0.75" REBAR

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
1	DOUGLAS O. NELSON & CARIE J. NELSON THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE, PLE	1.886	0.037	1.923	---	0.017
2	JASON J. SCHLIECKAU & SHAWN L. SCHLIECKAU	FEE	0.232	---	0.232	---	---
4	THE ESTATE OF ANNA C. NELSON AND THE ESTATE OF BURLYN G. NELSON	FEE	0.060	0.065	0.125	---	---
5	JACK T. OLSON	FEE	0.550	---	0.550	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
221	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS

202 WISCONSIN POWER AND LIGHT COMPANY
V.399, P.413, DOC.1086349 - PARCEL 1, 2, 4, 5

221 FRONTIER COMMUNICATIONS OF WI LLC
V.361, P.342, DOC.1024155 - PARCEL 1, 2, 4, 5

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 2/26/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE Onida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 3/04/2016 DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, FOR DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

SEE TPP 1007-10-23-4.02

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040103_RP.DWG
APPRAISAL PLAT DATE : 2/26/2016
PLOT DATE : 2/26/2016 2:53 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : **********

1007-10-23-4.03

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.04

THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 19, AND THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 20, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5222494
03/25/2016 9:13 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.04
AMENDMENT NO:__

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, FOR DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
6	THOMAS W. HANSON AND ROXANNE HANSON	FEE	0.841	---	0.841	---	---
7	S & T FARMS, LLC	FEE	1.752	---	1.752	---	---
8	MYRON FOSDAL	FEE	0.074	---	0.074	---	---
9	THE FOSDAL REVOCABLE LIVING TRUST	FEE	0.492	---	0.492	---	---

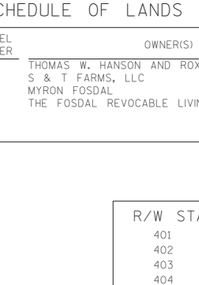
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

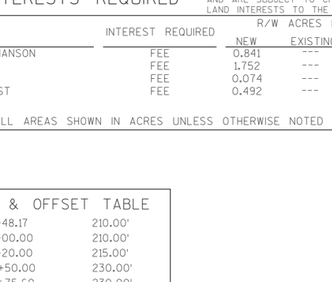
R/W STATION & OFFSET TABLE

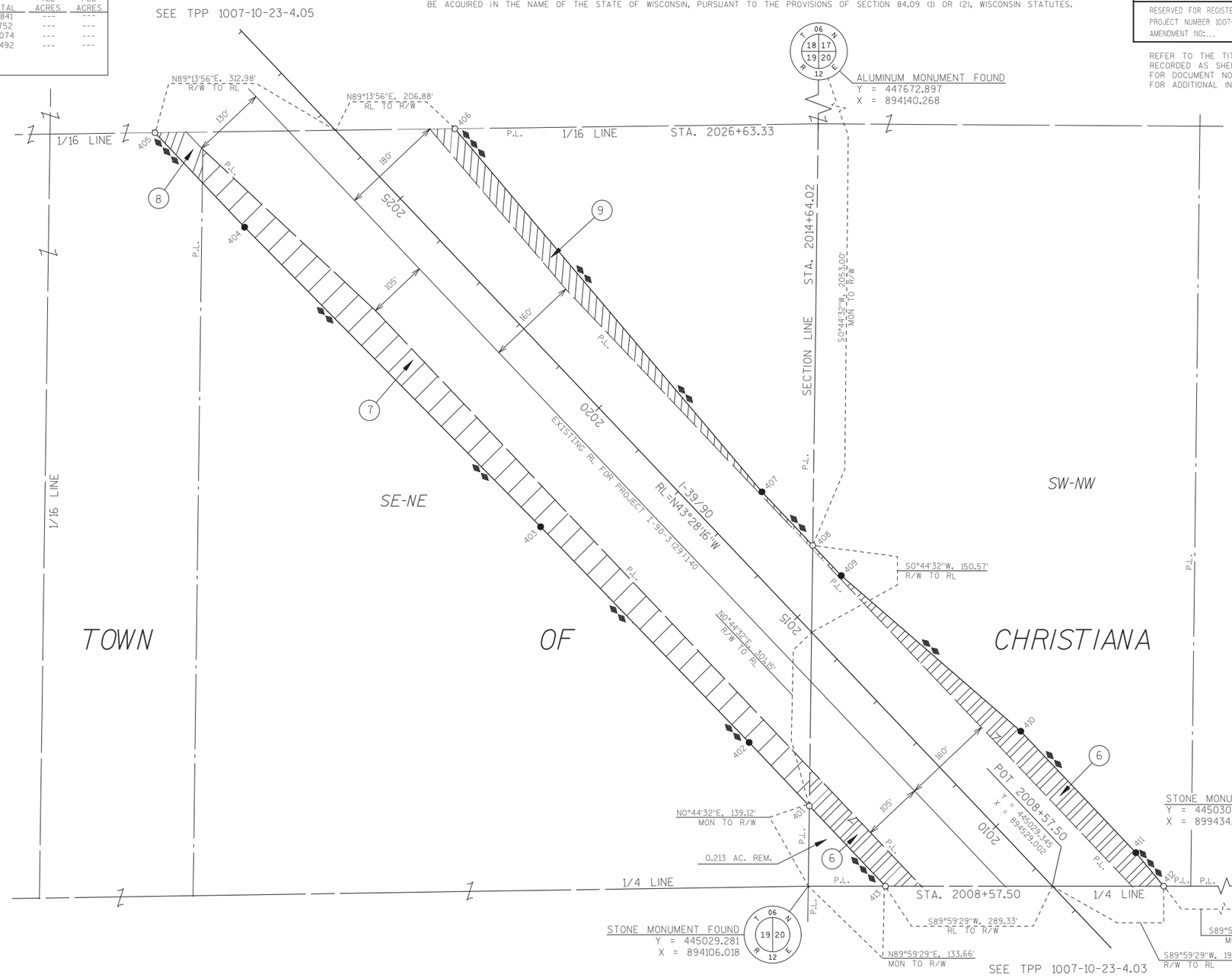
401	2012+48.17	210.00'
402	2014+00.00	210.00'
403	2019+20.00	215.00'
404	2026+50.00	230.00'
405	2028+75.60	230.00'
406	2025+23.03	152.03'
407	2017+00.00	105.00'
408	2015+71.94	105.00'
409	2015+00.00	105.00'
410	2010+90.00	145.00'
411	2008+00.00	145.00'
412	2007+24.76	140.07'
413	2010+56.52	210.00'

R/W COURSE TABLE

401-402	N43°28'16"W	151.83'
402-403	N44°01'19"W	520.02'
403-404	N44°38'54"W	730.15'
404-405	N43°28'16"W	225.60'
406-407	S40°12'02"E	824.37'
407-408	S43°28'16"E	128.06'
408-409	S43°28'16"E	71.94'
409-410	S49°02'36"E	411.95'
410-411	S43°28'16"E	290.00'
411-412	S39°43'10"E	75.41'
413-401	N43°28'16"W	191.65'







I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE
REGISTRATION NUMBER: S-2530

3/21/2016
DATE

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

OTIE
Oneida Tribal Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER

3/24/2016
DATE

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH W ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND CSM 12406.
EXISTING HIGHWAY RIGHT-OF-WAY FOR KOSHKONONG ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, BELL VIEW SUBDIVISION PLAT, CSM 2615, CSM 12246 AND EXISTING CENTER LINE.

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.05
AMENDMENT NO. 1

AMENDS PARCEL 10 OF TPP 1007-10-23-4.05 RECORDED AS DOCUMENT NUMBER 5222495.
THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 19, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

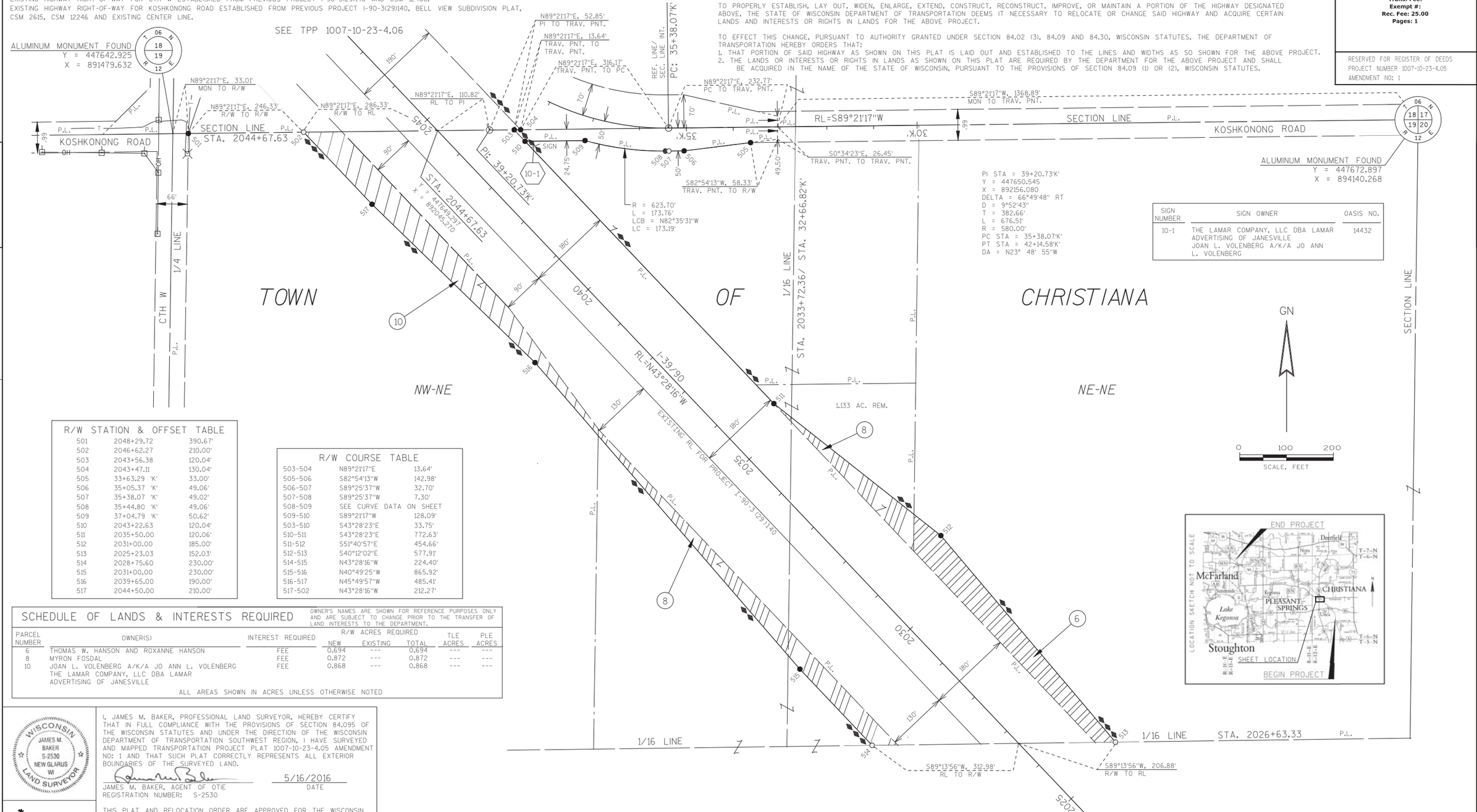
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5236984
05/25/2016 11:13 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.05
AMENDMENT NO: 1



SIGN NUMBER	SIGN OWNER	OASIS NO.
10-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE JOAN L. VOLENBERG A/K/A JO ANN L. VOLENBERG	14432

R/W STATION & OFFSET TABLE

501	2048+29.72	390.67'
502	2046+62.27	210.00'
503	2043+56.38	120.04'
504	2043+47.11	130.04'
505	33+63.29 'K'	33.00'
506	35+05.37 'K'	49.06'
507	35+38.07 'K'	49.02'
508	35+44.80 'K'	49.06'
509	37+04.79 'K'	50.62'
510	2043+22.63	120.04'
511	2035+50.00	120.06'
512	2031+00.00	185.00'
513	2025+23.03	152.03'
514	2028+75.60	230.00'
515	2031+00.00	230.00'
516	2039+65.00	190.00'
517	2044+50.00	210.00'

R/W COURSE TABLE

503-504	N89°21'17"E	13.64'
505-506	S82°54'13"W	142.98'
506-507	S89°25'37"W	32.70'
507-508	S89°25'37"W	7.30'
508-509	SEE CURVE DATA ON SHEET	
509-510	S89°21'17"W	128.09'
503-510	S43°28'23"E	33.75'
510-511	S43°28'23"E	772.63'
511-512	S51°40'57"E	454.66'
512-513	S40°12'02"E	577.91'
514-515	N43°28'16"W	224.40'
515-516	N40°49'25"W	865.92'
516-517	N45°49'57"W	485.41'
517-502	N43°28'16"W	212.27'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
6	THOMAS W. HANSON AND ROXANNE HANSON	FEE	0.694	---	0.694	---	---
8	MYRON FOSDAL	FEE	0.872	---	0.872	---	---
10	JOAN L. VOLENBERG A/K/A JO ANN L. VOLENBERG THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE	0.868	---	0.868	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.05 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/16/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE Onida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/17/2016 DATE

SEE TPP 1007-10-23-4.04

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, FOR DOCUMENT NO. 5117564 FOR ADDITIONAL INF

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040105_A1_RP.DWG
APPRAISAL PLAT DATE : 5/16/2016
PLOT DATE : 5/16/2016 2:27 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : **********

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH W ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND CSM 12406.
EXISTING HIGHWAY RIGHT-OF-WAY FOR KOSHKONONG ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, BELL VIEW SUBDIVISION PLAT, CSM 2615, CSM 12246 AND EXISTING CENTER LINE.

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.05

THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 19, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

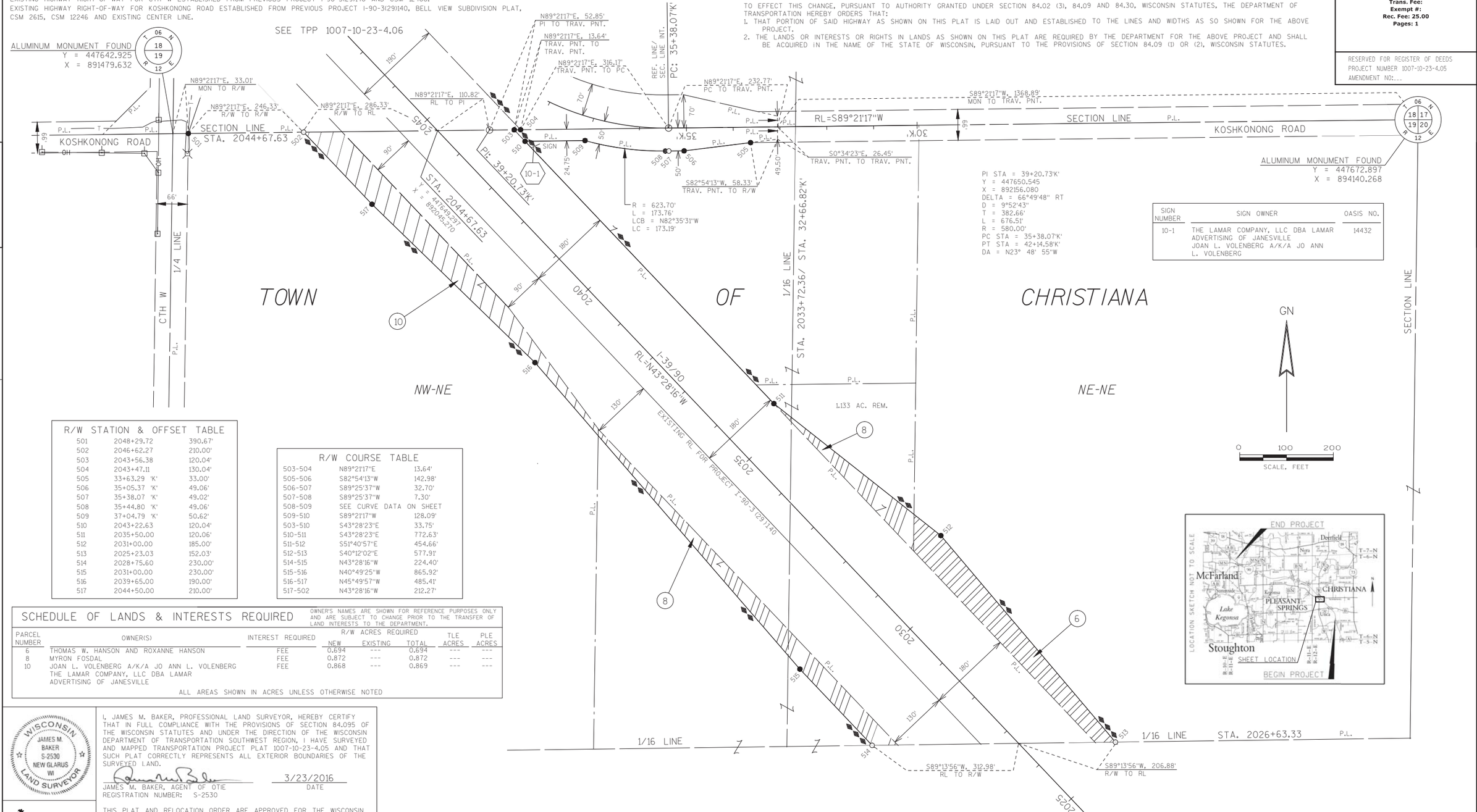
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5222495
03/25/2016 9:22 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.05
AMENDMENT NO:___



SIGN NUMBER	SIGN OWNER	OASIS NO.
10-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE JOAN L. VOLENBERG A/K/A JO ANN L. VOLENBERG	14432

R/W STATION & OFFSET TABLE

501	2048+29.72	390.67'
502	2046+62.27	210.00'
503	2043+56.38	120.04'
504	2043+47.11	130.04'
505	33+63.29 'K'	33.00'
506	35+05.37 'K'	49.06'
507	35+38.07 'K'	49.02'
508	35+44.80 'K'	49.06'
509	37+04.79 'K'	50.62'
510	2043+22.63	120.04'
511	2035+50.00	120.06'
512	2031+00.00	185.00'
513	2025+23.03	152.03'
514	2028+75.60	230.00'
515	2031+00.00	230.00'
516	2039+65.00	190.00'
517	2044+50.00	210.00'

R/W COURSE TABLE

503-504	N89°21'17"E	13.64'
505-506	S82°54'13"W	142.98'
506-507	S89°25'37"W	32.70'
507-508	S89°25'37"W	7.30'
508-509	SEE CURVE DATA ON SHEET	
509-510	S89°21'17"W	128.09'
503-510	S43°28'23"E	33.75'
510-511	S43°28'23"E	772.63'
511-512	S51°40'57"E	454.66'
512-513	S40°12'02"E	577.91'
514-515	N43°28'16"W	224.40'
515-516	N40°49'25"W	865.92'
516-517	N45°49'57"W	485.41'
517-502	N43°28'16"W	212.27'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
6	THOMAS W. HANSON AND ROXANNE HANSON	FEE	0.694	---	0.694	---	---
8	MYRON FOSDAL	FEE	0.872	---	0.872	---	---
10	JOAN L. VOLENBERG A/K/A JO ANN L. VOLENBERG THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE	0.868	---	0.869	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.05 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 3/23/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE Onida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 3/24/2016 DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, FOR DOCUMENT NO. 5117564 FOR ADDITIONAL INF

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040105_RP.DWG
APPRAISAL PLAT DATE : 3/23/2016
PLOT DATE : 3/23/2016 8:54 AM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : **********

1007-10-23-4.05

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.06

THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 18, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

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KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5222496
03/25/2016 9:22 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.06
AMENDMENT NO:___

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP680	448626.852	890842.749	1.50" IRON PIPE
IP681	448630.821	891293.382	0.75" REBAR
IP682	448626.230	891461.821	0.75" REBAR

3/4" REBAR SET
Y = 450289.377
X = 891520.751

SEE TPP 1007-10-23-4.07

N89°33'16"E, 287.26' R/W TO RL
N89°33'16"E, 177.79' RL TO R/W
1/16 LINE
STA. 2062+74.70
1/16 LINE
607
608
140'
190'
RL=N43°28'16"W
I-39/90
EXISTING RL FOR PROJECT I-90-3(29)140
2090
P.L.
606
12
TOWN
IP680
605
604
140'
STA. 2052+80.40/
STA. 51+20.38'W
2052
LIMITED HIGHWAY EASEMENT
V.356, MISC., P.76
DOC.1016578 (PREVIOUS PROJECT I-90-3(29)140)
11
202
B-13-148
B-13-714 REQ'D.
B-13-149
B-13-715 REQ'D.
P.L.
S0°53'25"W, 1544.86' MON TO TRAV. PNT.
CTH W
66'
P.L.
58'W'
OH
STA. 2062+76.40/49+96.60'K'
LOT 2
CSM 12406
V.77, P.167-168
DOC.4403084
N0°53'25"E, 117.86'
TRAV. PNT. TO TRAV. PNT.
S88°22'10"E, 3.94'
RL TO TRAV. PNT.
S88°22'10"E, 29.06'
R/W TO RL
IP681 IS S33°30'12"E, 2.16' FROM POINT 609
IP682 IS S4°00'25"W 1.56' FROM POINT 610
609
610
611
612
613
N00°32'06"E
55'W'
OF
S34°27'23"E, 57.04'
TRAV. PNT. TO R/W
S0°53'25"W, 91.84'
TRAV. PNT. TO TAN.
TAN. RL N82°47'21"W, 290.62'
PI TO TRAV. PNT.
PI: 47+58.85'K'
85'
PI: 54+16.72'W'/
PT: 50+00.00'K'
TAN. RL S82°47'21"E 3.39'
PI TO TRAV. PNT.
5502
S0°53'25"W, 112.90'
TAN. TO TRAV. PNT.
S0°53'25"W, 185.93'
TRAV. PNT. TO RL
1/4 LINE
PI: 54+16.72'W'/
PT: 50+00.00'K'
Y = 448535.452
X = 891490.125
DELTA = 0°14'38" LT.
R = 606.70'
L = 487.09'
LCB = S46°27'23"E
LC = 474.11'
PI STA = 47+58.85'K'
Y = 448498.548
X = 891781.809
DELTA = 58°58'35" LT
D = 11°01'13"
T = 294.01'
L = 535.16'
R = 519.91'
PC STA = 44+64.84'K'
PT STA = 50+00.00'K'
DA = N82°47'21"W
PC: 44+64.84'K'
614
45'K'
RL=N23°48'55"W
T
P.L.
SW-SE
CHRISTIANA
PT: 42+14.58'K'
615
70'
PI STA = 39+20.73'K'
Y = 447650.545
X = 892156.080
DELTA = 66°49'48" RT
D = 9°52'43"
T = 382.66'
L = 676.51'
R = 580.00'
PC STA = 35+38.07'K'
PT STA = 42+14.58'K'
DB = S89°21'17"W
R = 503.70'
L = 590.04'
LCB = S57°00'53"E
LC = 556.88'
REF. LINE/ SEC. LINE INT.
PC: 35+38.07'K'
40'K'
STA. 32+66.82'K'
1/16 LINE
S77°10'39"E, 42.71'
R/W TO TRAV. PNT.
S0°34'23"E, 23.05'
TRAV. PNT. TO TRAV. PNT.
S89°21'17"W, 52.85'
TRAV. PNT. TP PI
S89°21'17"W, 110.82'
PI TO RL
616
617
618
619
70'
P.L.
RL=S89°21'17"W
SECTION LINE
KOSHKONONG ROAD
35'K'
50'
24.75'
49.50'
S89°21'17"W, 316.17'
PC TO TRAV. PNT.
S89°21'17"W, 232.77'
TRAV. PNT. TO PC
S89°21'17"W, 13.64'
TRAV. PNT. TO TRAV. PNT.
S89°21'17"W, 1368.89'
MON TO TRAV. PNT.
1/16 LINE
PI: 39+20.73'K'
STA. 2044+67.63
X = 447648.237
Y = 892045.270
STA. 2044+67.63/
STA. 45+24.14'W
2045
S89°21'17"W, 246.33'
R/W TO R/W
S89°21'17"W, 32.39'
R/W TO RL
S89°21'17"W, 286.33'
RL TO R/W
S89°21'17"W, 0.62'
RL TO MON
0.546 AC. REM.
P.L.
624
622
623
621
620
SECTION LINE
KOSHKONONG ROAD
S89°16'45"W, 150.06'
MON TO TRAV. PNT.
92'
45'W'
44'W'
CTH W
66'
OH
T
P.L.
ALUMINUM MONUMENT FOUND
Y = 447611.380
X = 888972.816
N45°05'39"E, 40.62'
TRAV. PNT. TO R/W
601
602
603
N00°19'22"E
2045
PI: 48+08.19'W
Y = 447926.981
X = 891481.853
DELTA = 0°27'22" RT.
2050
PI: 48+08.19'W
N00°46'44"E
50'W'
S0°53'25"E, 593.38'
MON TO TRAV. PNT.
100'
50'
90'
190'
40'K'
REF. LINE/ SEC. LINE INT. STA. 45+86.85'W
ALUMINUM MONUMENT FOUND
Y = 447642.925
X = 891479.632
ALUMINUM MONUMENT FOUND
Y = 442352.103
X = 891401.402
SEE TPP 1007-10-23-4.05
ALUMINUM MONUMENT FOUND
Y = 447672.897
X = 894140.268

R/W COURSE TABLE		
601-602	N45°05'39"E	102.81'
602-603	N0°53'25"E	157.20'
603-604	N43°19'08"W	670.00'
604-605	N30°47'27"W	205.00'
605-606	N40°56'42"W	340.33'
606-607	N43°28'16"W	190.70'
608-609	S43°28'23"E	454.02'
609-610	S88°22'10"E	169.81'
611-612	S34°27'23"E	113.63'
612-613	S69°27'23"E	44.94'
613-614	SEE CURVE DATA ON SHEET	
614-615	S19°58'57"E	247.55'
615-616	SEE CURVE DATA ON SHEET	
616-617	N89°25'37"E	7.14'
617-618	N89°25'37"E	32.86'
618-619	S77°10'39"E	162.89'
620-621	S89°21'17"W	13.64'
622-623	N43°28'16"W	263.52'
623-624	S18°31'42"W	204.62'

R/W STATION & OFFSET TABLE		
601	45+50.23 'W'	122.05'
602	46+23.22 'W'	49.64'
603	2050+70.00	271.78'
604	2057+40.00	270.00'
605	2059+40.00	225.00'
606	2062+80.00	210.00'
607	2064+70.70	210.00'
608	2061+53.39	129.98'
609	2056+99.36	129.99'
610	55+08.79 'W'	29.06'
611	55+79.29 'W'	37.38'
612	49+19.51 'K'	88.21'
613	48+81.05 'K'	86.37'
614	44+62.42 'K'	84.78'
615	42+15.42 'K'	68.24'
616	35+46.21 'K'	70.94'
617	35+38.07 'K'	70.98'
618	35+05.21 'K'	70.94'
619	33+46.81 'K'	33.00'
620	2043+47.11	130.04'
621	2043+56.38	120.04'
622	2046+62.27	210.00'
623	2049+25.79	210.00'
624	2048+29.72	390.67'
624	45+24.69 'W'	32.39'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

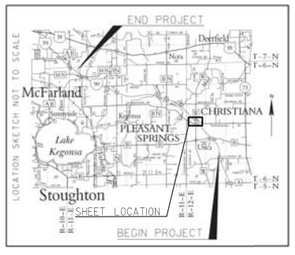
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
11	LUCILLE NOTTESTAD, (FORMERLY LUCILLE SASS) A/K/A LUCILLE E. SASS	FEE	1.416	---	1.416	---	---
12	GARY A. JOHNSON	FEE	0.150	---	0.150	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS

(202) WISCONSIN POWER AND LIGHT COMPANY
V.400, P.504, DOC.1088288 - PARCEL 11
DOC.5066203 - PARCEL 11
DOC.5076518 - PARCEL 11



GN

0 100 200
SCALE, FEET

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

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EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH W ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND CSM 12406.
EXISTING HIGHWAY RIGHT-OF-WAY FOR KOSHKONONG ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, BELL VIEW SUBDIVISION PLAT, CSM 2615, CSM 12246 AND EXISTING CENTER LINE.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.06 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 3/17/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE Onsite Total Integrated Enterprises

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DAVID R. MILLER — 3/24/2016 DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040106_RP.DWG
APPRAISAL PLAT DATE : 3/17/2016
PLOT DATE : 3/17/2016 2:21 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : **********

1007-10-23-4.06

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.07

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 18, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

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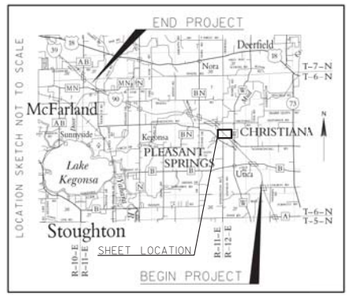
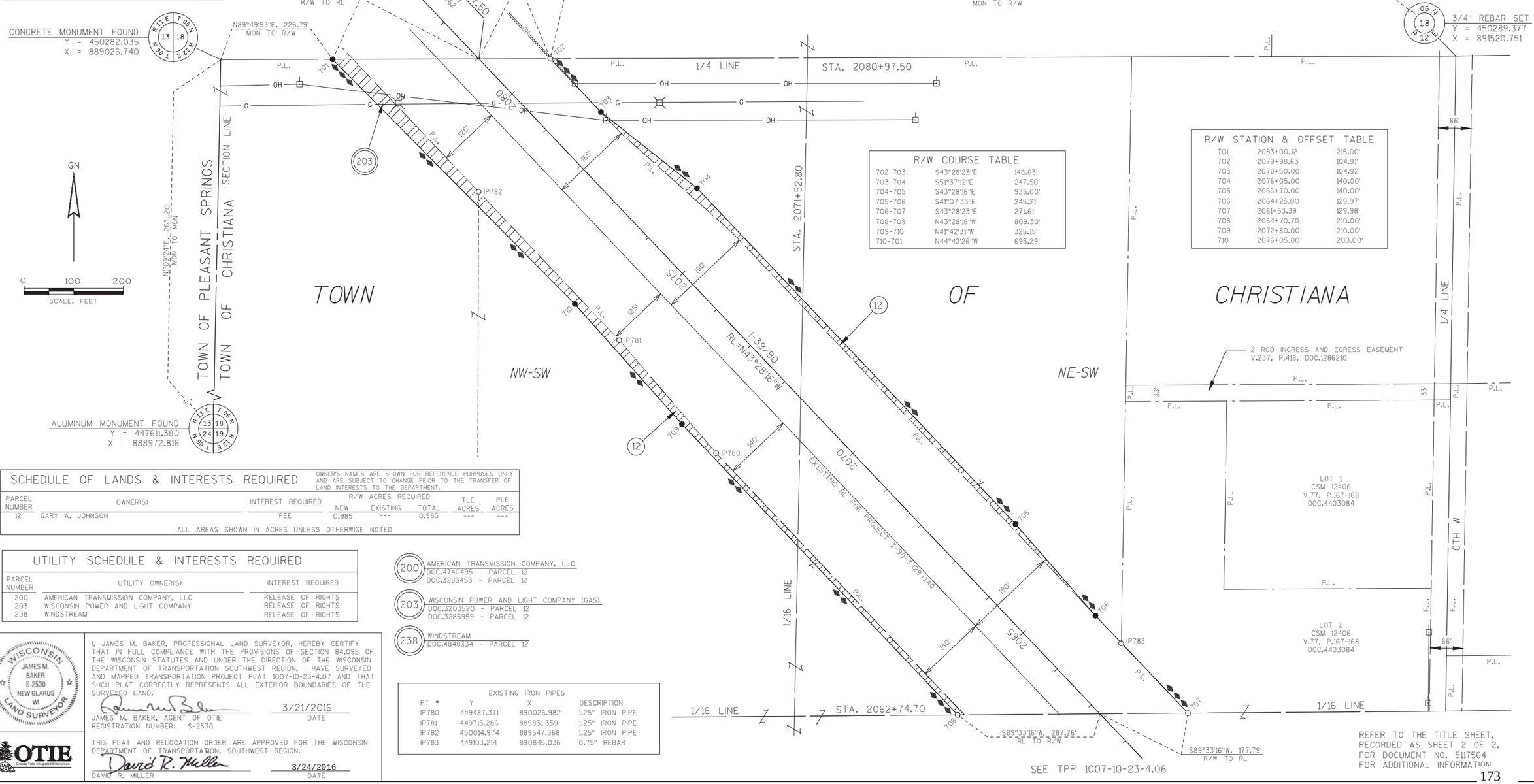
FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.



SEE TPP 1007-10-23-4.08



SEE TPP 1007-10-23-4.06

R/W COURSE TABLE		
702-703	S43°28'23"E	148.63'
703-704	S51°37'12"E	247.50'
704-705	S43°28'16"E	935.00'
705-706	S41°07'33"E	245.21'
706-707	S43°28'23"E	271.61'
708-709	N43°28'16"W	809.30'
709-710	N41°42'31"W	325.15'
710-701	N44°42'26"W	695.29'

R/W STATION & OFFSET TABLE		
701	2083+00.12	215.00'
702	2079+98.63	104.91'
703	2078+50.00	104.92'
704	2076+05.00	140.00'
705	2066+70.00	140.00'
706	2064+25.00	129.97'
707	2061+53.39	129.98'
708	2064+70.70	210.00'
709	2072+80.00	210.00'
710	2076+05.00	200.00'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
12	GARY A. JOHNSON	FEE	0.985	---	0.985	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

PARCEL NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
203	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
238	WINDSTREAM	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY, LLC
DOC.4740495 - PARCEL 12
DOC.3283453 - PARCEL 12

(203) WISCONSIN POWER AND LIGHT COMPANY (GAS)
DOC.3203520 - PARCEL 12
DOC.3285959 - PARCEL 12

(238) WINDSTREAM
DOC.4848334 - PARCEL 12

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP780	449487.371	890026.982	1.25" IRON PIPE
IP781	449715.286	889831.359	1.25" IRON PIPE
IP782	450014.974	889547.368	1.25" IRON PIPE
IP783	449103.214	890845.036	0.75" REBAR

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.07 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 3/21/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 3/24/2016 DATE

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5222497
03/25/2016 9:22 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.07
AMENDMENT NO:___

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, FOR DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040107_RP.DWG
APPRAISAL PLAT DATE : 3/21/2016
PLOT DATE : 3/21/2016 3:28 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : ''''''''''''

1007-10-23-4.07

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

R/W STATION & OFFSET TABLE		
801	2086+30.78	215.00'
802	2088+20.38	215.00'
803	2091+90.21	285.13'
804	2095+83.83	210.00'
805	2100+93.76	210.00'
806	2097+59.50	159.85'
807	2094+90.24	159.86'
808	2089+73.01	104.88'
809	2079+98.63	104.91'
810	2083+00.12	215.00'

TLE STATION & OFFSET TABLE		
T850	2096+90.00	210.00'
T851	2096+90.00	230.00'
T852	2097+55.00	270.00'
T853	2098+00.00	210.00'

R/W COURSE TABLE		
801-802	N43°28'16"W	189.60'
802-803	N54°12'30"W	376.41'
803-804	N32°39'56"W	400.73'
804-805	N43°28'16"W	509.94'
806-807	S43°28'23"E	269.26'
807-808	S37°24'12"E	520.14'
808-809	S43°28'23"E	974.38'
810-801	N43°28'16"W	330.66'

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.08

THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 13, T6N, R11E, TOWN OF PLEASANT SPRINGS, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18, T6N, R12E, TOWN OF CHRISTIANA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

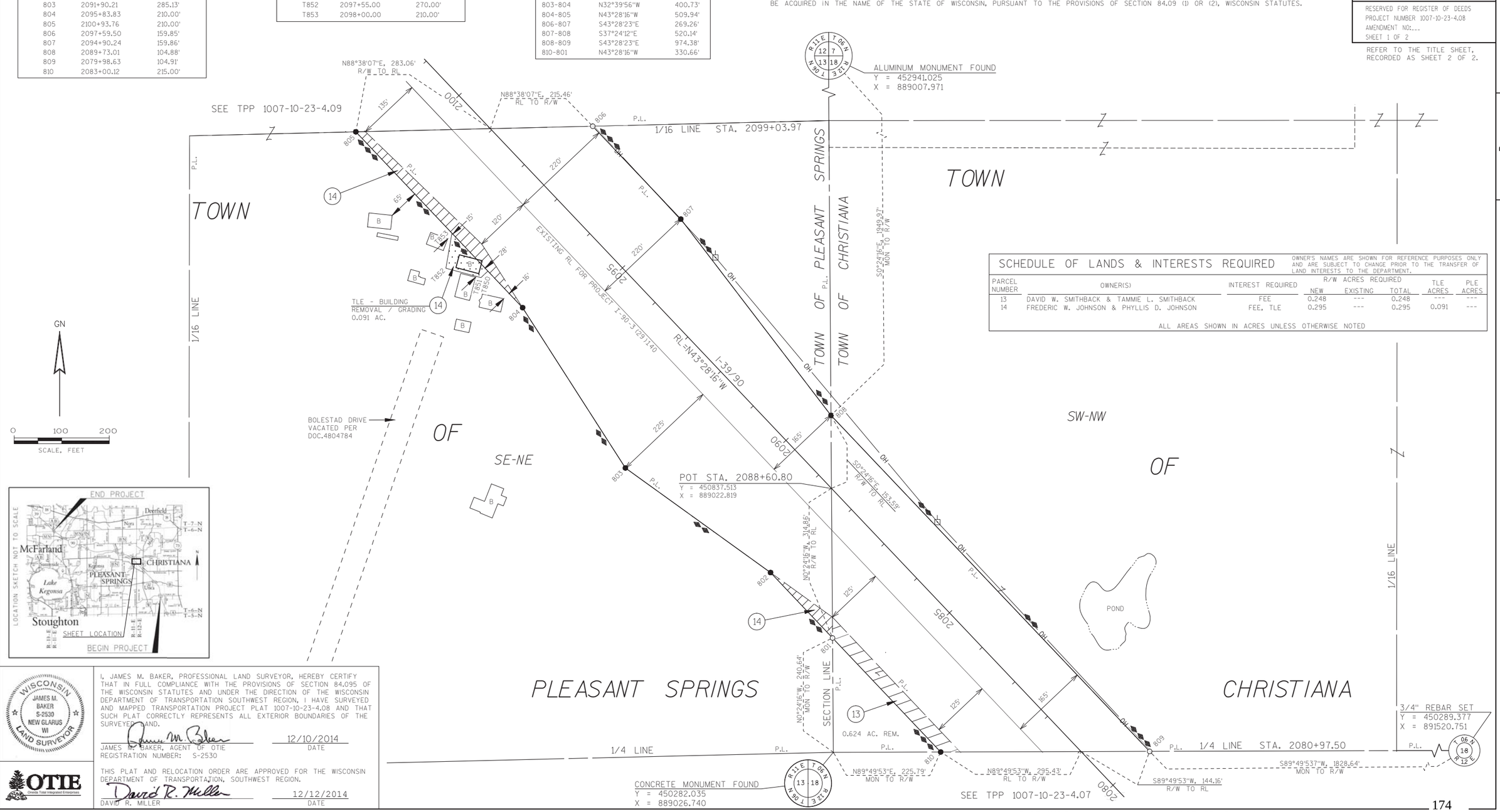
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5117564
12/16/2014 08:43 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 2

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.08
AMENDMENT NO:...
SHEET 1 OF 2

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
13	DAVID W. SMITHBACK & TAMMIE L. SMITHBACK	FEE	0.248	---	0.248	---	---
14	FREDERIC W. JOHNSON & PHYLLIS D. JOHNSON	FEE, TLE	0.295	---	0.295	0.091	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.08 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 12/10/2014 DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 12/12/2014 DATE

OTIE Oneida Tribal Integrated Enterprises

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040108_RP.DWG
APPRAISAL PLAT DATE : 12/10/2014
PLOT DATE : 12/10/2014 11:38 AM PLOT BY : OTIE PLOT NAME : PLOT SCALE : 1:100

1007-10-23-4.08

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.09

THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 13, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5222502
03/25/2016 9:31 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.09
AMENDMENT NO:___

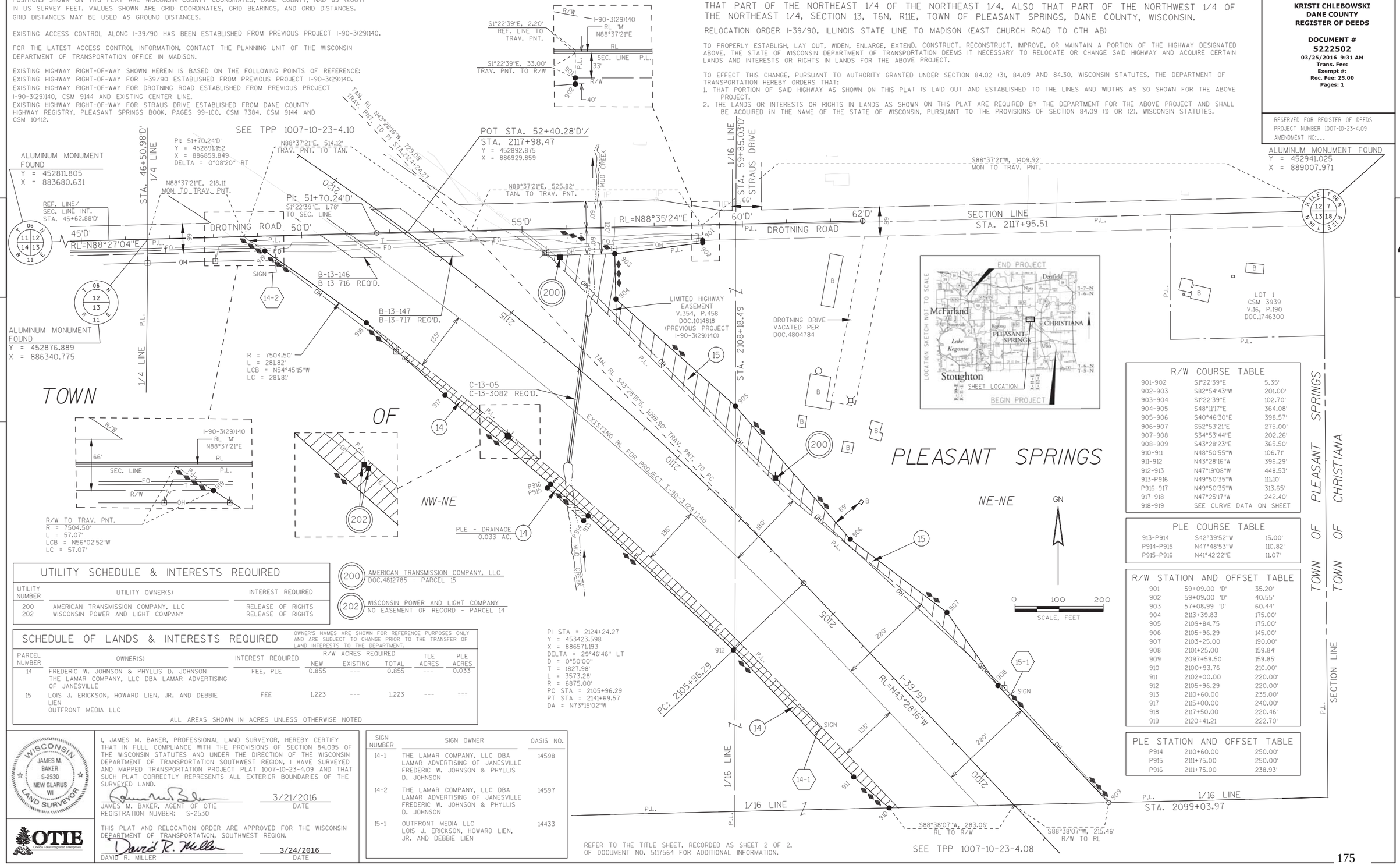
NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140. EXISTING HIGHWAY RIGHT-OF-WAY FOR DROTNING ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 9144 AND EXISTING CENTER LINE. EXISTING HIGHWAY RIGHT-OF-WAY FOR STRAUS DRIVE ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, PLEASANT SPRINGS BOOK, PAGES 99-100, CSM 7384, CSM 9144 AND CSM 10412.


SEE TPP 1007-10-23-4.10
ALUMINUM MONUMENT FOUND
Y = 452811.805
X = 883680.631
PI: 51+70.24'D'
Y = 452891.152
X = 886859.849
DELTA = 0°08'20" RT
N88°37'21"E, 514.12'
TRAV. PNT. TO TAN.
N88°37'21"E, 218.11'
MON TO TRAV. PNT.
PI: 51+70.24'D'
S1°22'39"E, 1.78'
TO SEC. LINE
N88°37'21"E, 525.82'
TAN. TO TRAV. PNT.
POT STA. 52+40.28'D'/
STA. 2117+98.47
Y = 452892.875
X = 886929.859
TAN. RL N43°28'16"W, 729.08'
TRAV. PNT. TO PI STA. 2124+24.27
S88°37'21"W, 1409.92'
MON TO TRAV. PNT.
ALUMINUM MONUMENT FOUND
Y = 452941.025
X = 889007.971
STA. 46+50.98'D'
1/4 LINE
STA. 59+85.03'D'
1/16 LINE
STRAUS DRIVE
REF. LINE/
SEC. LINE INT.
STA. 45+62.88'D'
DROTNING ROAD
45'D'
50'D'
55'D'
60'D'
62'D'
RL=N88°27'04"E
RL=N88°35'24"E
SECTION LINE
STA. 2117+95.51
MUD CREEK
B-13-146
B-13-716 REQ'D.
B-13-147
B-13-717 REQ'D.
LIMITED HIGHWAY EASEMENT V.354, P.458 DOC.1014818 (PREVIOUS PROJECT I-90-3(29)140)
DROTNING DRIVE VACATED PER DOC.4804784
LOT 1 CSM 3939 V.16, P.190 DOC.1746300
STA. 2108+18.49
C-13-05
C-13-3082 REQ'D.
R = 7504.50'
L = 281.82'
LCB = N54°45'15"W
LC = 281.81'
EXISTING RL FOR PROJECT I-90-3(29)140
TAN. RL S43°28'16"E, 1098.90'
TRAV. PNT. TO PC
PLE - DRAINAGE
0.033 AC.
PI STA = 2124+24.27
Y = 453423.598
X = 886571.193
DELTA = 29°46'46" LT
D = 0°50'00"
T = 1827.98'
L = 3573.28'
R = 6875.00'
PC STA = 2105+96.29
PT STA = 2141+69.57
DA = N73°15'02"W
PC: 2105+96.29
I-39/90
RL=N43°28'16"W
STA. 2099+03.97
1/16 LINE
SECTION LINE
S88°38'07"W, 283.06'
RL TO R/W
S88°38'07"W, 215.46'
R/W TO RL
SEE TPP 1007-10-23-4.08
REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.
TOWN OF PLEASANT SPRINGS
PLEASANT SPRINGS
TOWN OF CHRISTIANA
NW-NE
NE-NE
GN
0 100 200
SCALE, FEET
LOCATION SKETCH NOT TO SCALE
END PROJECT
BEGIN PROJECT
SHEET LOCATION
McFarland
Deerfield
Nora
Cottage Grove
Lake Kegonsa
Kegonsa
CHRISTIANA
PLEASANT SPRINGS
Stoughton
Oregon
Utica
Pleasant Springs
Albion
Dunkirk
Dunn
Rutland
Union
Black Earth
Springdale
Vermont
Verona
Fitchburg
Madison
Middleton
Cross Plains
Mazomanie
Arena
Roxbury
Blue Mounds
Primrose
Perry
Springfield
Vienna
Windsor
Burke
Westport
Sun Prairie
Waunakee
Dane
Oregon
Brooklyn
Belleville
New Glarus
Monticello
Exeter
Green
Jefferson
Rock
Walworth
Waukesha
Dodge
Columbia
Sauk
Iowa
Lafayette
Grant
Green
Rock
Walworth
Jefferson

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.10

THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 12, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
13	DAVID W. SMITHBACK & TAMMIE L. SMITHBACK	FEE	2.651	---	2.651	---	---
16	VINCENT H. ROCKWELL	FEE, PLE	0.099	---	0.099	---	0.042

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING HIGHWAY RIGHT-OF-WAY FOR DROTNING ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 9144 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR STRAUS DRIVE ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, PLEASANT SPRINGS BOOK, PAGES 99-100, CSM 7384, CSM 9144 AND CSM 10412.

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS

LOCATION SKETCH NOT TO SCALE

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5129418
02/17/2015 08:37 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.10
AMENDMENT NO:___

CONCRETE MONUMENT FOUND
Y = 458179.463
X = 886393.457

T 06 N, R 11 E, SEC. 1, 12

200 AMERICAN TRANSMISSION COMPANY, LLC
DOC.4743338 - PARCEL 13

LOT 1
CSM 7384
V.38, P.38-42
DOC.2581331

1/16 LINE

P.L.

TOWN

LEASED PARCEL
SBA STRUCTURES, INC.
DOC.4758381

15' ACCESS EASEMENT
SBA STRUCTURES, INC.
DOC.4758381

12' ACCESS EASEMENT
AMERICAN TRANSMISSION COMPANY LLC
DOC.4979673

PT: 2141+69.57

TAN. RL S73°15'02"E, 205.56' PT TO TRAV. PNT.

C6 N0°22'40"E, 141.52' TAN. TO R/W

SEE TPP 1007-10-23-4.11

N0°22'40"E, 235.45' R/W TO TAN.

2140

205'

150'

2135

TAN. RL S73°15'02"E, 1622.42' TRAV. PNT. TO PT

2130

2125

1-39/90

EXISTING RL FOR PROJECT I-90-3(29)140

SE-SW

1/16 LINE STA. 2139+63.07

POND

S0°34'09"W, 4679.77' MON TO R/W

1/4 LINE STA. 2125+01.06

ODLAND ROAD VACATED PER DOC.4804783

OF

S0°34'09"W, 8.86' R/W TO TAN.

LIMITED HIGHWAY EASEMENT V.719, P.111 DOC.1016581 (PREVIOUS PROJECT I-90-3(29)140)

PI: 2124+24.27

S43°28'15"E, 129.09' TO TRAV. PNT.

IP1080

C-13-55
C-13-3083 REQ'D.

N0°34'09"E, 489.32' R/W TO TAN.

PI STA = 2124+24.27
Y = 453423.598
X = 886571.193
DELTA = 29°46'46" LT
D = 0°50'00"
T = 1827.98'
L = 3573.28'
R = 6875.00'
PC STA = 2105+96.29
PT STA = 2141+69.57
DA = N73°15'02"W
DB = N43°28'16"W

PLE - DRAINAGE 0.042 AC.

B-13-146
B-13-716 REQ'D.

B-13-147
B-13-717 REQ'D.

PI: 51+70.24'D'
Y = 452891.152
X = 886859.849
DELTA = 0°08'20" RT

N0°34'09"E, 127.04' R/W TO MON

C1 TRAV. PNT. TO R/W

C2

41'D' RL=N88°27'04"E 45'D'

50'D'

55'D'

DROTNING ROAD

SECTION LINE

SEE TPP 1007-10-23-4.09

N88°37'21"E, 191.98' MON TO TRAV. PNT.

S88°37'21"W, 540.25' TRAV. PNT. TO TAN.

S88°37'21"W, 601.76' TRAV. PNT. TO TAN.

S88°37'21"W, 1333.98' MON TO TRAV. PNT.

REF. LINE/ SEC. LINE INT. STA. 45+62.88'D'

ALUMINUM MONUMENT FOUND
Y = 452811.805
X = 883680.631

ALUMINUM MONUMENT FOUND
Y = 452876.889
X = 886340.775

POT STA. 52+40.28'D'/ STA. 2117+98.47
Y = 452892.875
X = 886929.859

TAN. RL S43°28'16"E, 1098.90' TRAV. PNT. TO PC

ALUMINUM MONUMENT FOUND
Y = 452941.025
X = 889007.971

SIGN

IP1081 IP1082 IP1083 IP1084 IP1085

SEE TPP 1007-10-23-4.09

SEE TPP 1007-10-23-4.11

SW-SE

MUD CREEK

PLEASANT SPRINGS

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP1080	453371.118	886537.925	1" IRON PIPE
IP1081	452963.412	887379.021	0.75" REBAR
IP1082	452966.354	887496.931	0.75" REBAR
IP1083	452941.298	887646.578	0.75" REBAR
IP1084	452941.575	887666.395	0.75" REBAR
IP1085	452941.965	887674.525	2" IRON PIPE

STA. 59+85.03'D'

1/16 LINE STRAUS DRIVE

LOT 1
CSM 9144
V.51, P.214-215
DOC.3061580

LOT 1
CSM 10412
V.61, P.223
DOC.3495368

PLE STATION & OFFSET TABLE

P1002	2123+40.00	238.58'
P1004	2123+40.00	270.00'
P1005	2124+00.00	270.00'
P1006	2124+00.00	238.59'

PLE COURSE TABLE

P1002-P1004	S31°59'49"W	31.42'
P1004-P1005	N58°15'11"W	57.64'
P1005-P1006	N31°29'49"E	31.41'

R/W COURSE TABLE

1001-P1002	SEE CURVE DATA IN TABLE
P1002-1003	SEE CURVE DATA IN TABLE
1003-P1006	SEE CURVE DATA IN TABLE
P1006-1007	SEE CURVE DATA IN TABLE
1007-1008	N66°41'49"W 728.43'
1009-1010	SEE CURVE DATA IN TABLE
1010-1011	S80°19'43"E 244.95'
1011-1012	S66°49'12"E 487.54'
1012-1013	S62°49'18"E 495.38'
1013-1014	S55°58'23"E 777.56'
1014-1015	S35°48'51"E 134.08'
1015-IP1082	N88°37'21"E 427.21'
IP1082-IP1083	S80°29'42"E 151.73'

R/W STATION & OFFSET TABLE

1001	2121+82.26	238.29'
1003	2123+56.98	238.59'
1007	2131+35.00	233.99'
1008	2138+88.57	220.34'
1009	2140+07.15	137.74'
1010	2138+00.00	132.68'
1011	2135+65.00	180.00'
1012	2130+90.00	185.00'
1013	2126+07.70	190.00'
1014	2118+50.00	175.00'
1015	2117+25.00	134.49'
IP1082	58+08.98 'D'	59.50'
IP1083	59+57.97 'D'	30.77'

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	7489.50'	57.93'	57.93'	N56°39'03"W
C2	7489.50'	152.27'	152.26'	N57°27'17"W
C3	7489.50'	16.39'	16.39'	N58°06'00"W
C4	7489.50'	41.53'	41.53'	N58°19'17"W
C5	7489.50'	709.68'	709.42'	N61°11'42"W
C6	7844.50'	211.28'	211.27'	S69°39'38"E

33' 1/16 LINE STRAUS DRIVE

IP1083 IP1084 IP1085

S80°29'42"E, 28.38' R/W TO TRAV. PNT.

S0°24'30"W, 25.41' TRAV. PNT. TO RL

S0°24'30"W, 2.24' RL TO TRAV. PNT.

DROTNING ROAD 60'D' RL

SECTION LINE

STA. 2117+95.51
I-90-3(29)140
RL 'M'
N88°37'21"E

GN

0 100 200
SCALE, FEET

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.10 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 2/9/2015 DATE
REGISTRATION NUMBER: S-2530

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 2/11/2015 DATE

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040110_RP.DWG
APPRAISAL PLAT DATE : 2/9/2015
PLOT DATE : 2/9/2015 3:53 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : ***********

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.11

THAT PART OF LOT 1 AND LOT 2, CSM 8417, LOCATED IN THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 12, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5121852
01/08/2015 08:44 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

177

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.11
AMENDMENT NO:

1007-10-23-4.11

ALUMINUM MONUMENT FOUND
Y = 455464.900
X = 883689.267

STONE MONUMENT FOUND
Y = 455588.380
X = 889019.399

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH BN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 8417 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DROTNING ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 9144 AND EXISTING CENTER LINE.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
13	DAVID W. SMITHBACK & TAMMIE L. SMITHBACK	FEE	0.607	---	0.607	---	---
17	DAVID A. CARLISLE	FEE	0.723	0.094	0.817	---	---
18	CHRISTOPHER G. MILLER	FEE, PLE	0.144	0.038	0.182	---	0.020

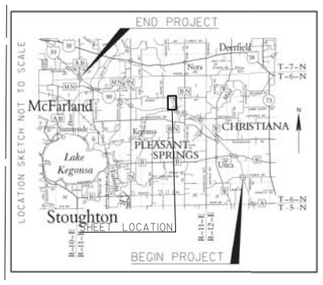
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

PARCEL NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS

200 AMERICAN TRANSMISSION COMPANY, LLC
DOC.4743338 - PARCEL 13

LOCATION SKETCH NOT TO SCALE



PLE STATION AND OFFSET TABLE

P1102	59+15.00 'BN'	54.73'
P1103	59+15.00 'BN'	75.00'
P1104	58+65.00 'BN'	75.00'
P1105	58+65.00 'BN'	59.93"

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP1180	454800.987	883753.276	0.75" REBAR
IP1181	455329.821	883725.783	0.75" REBAR
IP1182	455465.801	883727.228	0.75" REBAR

R/W STATION AND OFFSET TABLE

1101	61+75.00 'BN'	27.70'
1106	2152+50.00	105.00'
1107	2144+00.00	155.00'
1108	2141+69.57	142.19'
1109	2140+07.15	137.74'
1110	2138+88.57	220.34'
1111	2141+69.57	270.34'
1112	2144+10.55	309.73'
1113	2144+75.00	320.26'
1114	2145+75.00	400.00'
1115	2146+75.00	400.00'
1116	2147+75.00	309.71'
1117	2151+85.00	309.69'
1118	46+51.71 'BN'	79.19'
1119	42+01.47 'BN'	70.00'
1120	40+00.00 'BN'	41.82'

R/W COURSE TABLE

1101-P1102	S5°18'04"E	261.40'
P1102-P1105	S5°18'04"E	50.27'
P1105-1106	S5°18'04"E	710.62'
1106-1107	S76°37'01"E	851.47'
1107-1108	S70°04'04"E	230.78'
1108-1109	SEE CURVE DATA ON SHEET	
1110-1111	N82°31'57"W	275.53'
1111-1112	N82°31'57"W	244.18'
1112-1113	N82°31'57"W	65.30'
1113-1114	S68°10'47"W	127.90'
1114-1115	N73°15'02"W	100.00'
1115-1116	N31°10'17"W	134.73'
1116-1117	N73°14'53"W	410.00'
1117-1118	S1°37'46"W	90.05'
1118-1119	S1°37'46"W	449.88'
1119-1120	S8°10'33"W	203.28'

PLE COURSE TABLE

P1102-P1103	S89°21'56"E	20.27'
P1103-P1104	S0°38'04"W	50.00'
P1104-P1105	N89°21'56"W	15.07'

PI STA = 42+01.48'BN'
Y = 453407.122
X = 883672.448
DELTA = 0°41'58" RT
D = 0°04'40"
T = 450.24'
L = 900.47'
R = 73750.00'
PC STA = 37+51.24'BN'
PT STA = 46+51.71'BN'
DB = S0°03'55"E

PI STA = 2124+24.27
Y = 453423.598
X = 886571.193
DELTA = 29°46'46" LT
D = 0°50'00"
T = 1827.98'
L = 3573.28'
R = 6875.00'
PC STA = 2105+96.29
PT STA = 2141+69.57
DB = S43°28'16"E

GN

0 100 200
SCALE, FEET

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.11 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 1/5/2015 DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 1/6/2015 DATE

OTIE — Orenco Total Integrated Enterprises

PLOT SCALE : 1:100
PLOT NAME :
PLOT BY : OTIE
PLOT DATE : 1/5/2015 2:16 PM
FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040111_RP.DWG
APPRAISAL PLAT DATE : 1/5/2015

4

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.12

THAT PART OF VACATED OLSON DRIVE LOCATED IN THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 11, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH BN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 8417 AND EXISTING CENTER LINE.

ALUMINUM MONUMENT FOUND
Y = 455464.900
X = 883689.267

S89°21'56"E, 5.30' TRAV. PNT. TO RL
S89°21'56"E, 33.00' R/W TO TRAV. PNT.

3/4 REBAR FOUND
Y = 455516.767
X = 881032.340

TLE - DRIVEWAY 0.089 AC.

S0°11'11"W, 84.30' MON TO TRAV. PNT.

S0°11'11"W, 676.68' TRAV. PNT. TO RL

OLSON DRIVE VACATED PER DOC.4804783

12' ACCESS EASEMENT AMERICAN TRANSMISSION COMPANY LLC DOC.4964315

TOWN NE-SE

SIGN NUMBER	SIGN OWNER	OASIS NO.
20-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE DAVID M. OLSON, MARLENE B. OLSON, DALE W. OLSON AND WENDY L. OLSON	14436

N0°12'04"E, 147.28' RL TO R/W

N0°12'04"E, 232.63' R/W TO RL

EXISTING RL FOR PROJECT I-90-3(29)140

I-39/90 RL=N73°15'02"W

RL=N0°38'04"E

GEODETIC MON. DG4948

REF. LINE/ SEC. LINE INT. STA.51+96.35'BN'

S0°11'11"W, 408.85' RL TO RL

SEE TPP 1007-10-23-4.13

STA. 2167+41.46

POT STA.50+87.44'BN'/ 2153+5853
Y = 454293.039
X = 883682.256

B-13-145
B-13-718 REQ'D.

OF 1/16 LINE STA. 49+32.82'BN'

SEE TPP 1007-10-23-4.11

STA. 2153+55.19

SE-SE

PI STA = 42+01.48'BN'
Y = 453407.122
X = 883672.448
DELTA = 0°41'58" RT
D = 0°04'40"
T = 450.24'
L = 900.47'
R = 73750.00'
PC STA = 37+52.24'BN'
PT STA = 46+51.71'BN'
DB = S0°03'55"E

PT:46+51.71'BN'

TLE - DRIVEWAY 0.098 AC.

S0°11'11"W, 1086.46' RL TO TRAV. PNT.

PLEASANT SPRINGS

PI: 42+01.48'BN'

TAN. RL

N89°52'19"W, 23.76' TAN. TO R/W

N89°52'19"W, 9.24' TRAV. PNT. TO TAN.

N0°11'11"E, 393.82' MON TO TRAV. PNT.

PC: 37+51.24'BN'

SECTION LINE

ALUMINUM MONUMENT FOUND
Y = 452811.805
X = 883680.631

LOCATION SKETCH NOT TO SCALE

GN

0 100 200
SCALE: FEET

R/W STATION & OFFSET TABLE

1201	40+00.00 'BN'	24.18'
1202	42+01.47 'BN'	45.00'
1203	46+51.71 'BN'	75.00'
1204	2155+00.00	185.00'
1205	2158+50.00	200.00'
1206	2161+50.00	200.00'
1207	2164+00.00	225.00'
1208	2166+00.00	225.00'
1209	2166+75.20	222.99'
1210	2167+83.41	141.18'
1211	2167+40.00	145.00'
1212	2163+30.00	140.00'
1213	2161+20.00	95.00'
1214	2155+20.00	110.00
1215	58+70.00 'BN'	55.00'
1216	61+75.00 'BN'	38.31'

R/W COURSE TABLE

1201-1202	N5°41'23"W	202.64'
1202-1203	N3°20'58"W	451.60'
1203-1204	N20°03'17"W	317.76'
1204-1205	N75°42'17"W	350.32'
1205-1206	N73°15'02"W	300.00'
1206-1207	N78°57'40"W	251.25'
1207-1208	N73°15'02"W	200.00'
1208-1209	N71°43'23"W	75.23'
1210-1211	S78°16'54"E	43.57'
1211-1212	S72°33'07"E	410.03'
1212-1213	S61°09'21"E	214.77'
1213-1214	S74°40'58"E	600.19'
1214-1215	N6°55'03"E	635.89'
1215-1216	N3°46'02"E	305.46'

TLE STATION & OFFSET TABLE

T1250	60+35.00 'BN'	75.00'
T1251	59+75.00 'BN'	75.00'
T1252	59+60.00 'BN'	50.07'
T1253	46+00.00 'BN'	71.41'
T1254	46+00.00 'BN'	130.00'
T1255	45+30.00 'BN'	130.00'
T1256	45+30.00 'BN'	66.62'

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

200 AMERICAN TRANSMISSION COMPANY LLC
DOC.4752116 - PARCEL 20

202 WISCONSIN POWER AND LIGHT COMPANY
NO EASEMENT OF RECORD - PARCEL 19, 20

205 AT&T WISCONSIN (WISCONSIN BELL, INC.)
NO EASEMENT OF RECORD - PARCEL 20

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
19	ROBERT R. COHEN-WICHNER AND ANNIQUE R. COHEN-WICHNER	FEE, TLE	1.556	0.125	1.681	0.098	---
20	DAVID M. OLSON, MARLENE B. OLSON, DALE W. OLSON AND WENDY L. OLSON, THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE, TLE	1.191	0.214	1.405	0.089	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.12 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE
REGISTRATION NUMBER: S-2530
12/22/2014 DATE

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER
12/23/2014 DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5119648
12/29/2014 10:44 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

178

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.12
AMENDMENT NO:

1007-10-23-4.12

PLOT NAME : PLOT SCALE : 1 PLOT BY : OTIE PLOT DATE : 12/22/2014 12:03 PM PLOT DATE :

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040112.RP.DWG
APPRAISAL PLAT DATE : 12/22/2014

4

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.13

THAT PART OF LOT 1, CSM 920, LOCATED IN THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 AND THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 11, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CHURCH STREET ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 920, CSM 9170, CSM 10311, CSM 12691 AND EXISTING CENTER LINE.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
21	ANDREW C. WOODMAN AND KELLY M. SCHMELZER	FEE, TLE	0.644	---	0.644	0.015	---
22	THOMAS W. GORST AND PATRICIA J. GORST	FEE, TLE	0.213	---	0.213	0.398	---
23	JOHN R. DRAUS AND SANDRA M. DRAUS	FEE, TLE	0.224	---	0.224	0.015	---
24	PHILIP R. WILDT & JOYCE A. WILDT, JOINT REVOCABLE TRUST	FEE	0.033	0.211	0.244	---	---
25	TOM & DONNA SAYRE FARMS, LLC	FEE, TLE	0.023	---	0.023	0.005	---
26	ROBERT W. RHYMES AND CHERYL H. RHYMES	FEE, TLE	0.280	---	0.280	0.142	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY, LLC
DOC.4776846 - PARCEL 23
DOC.4752115 - PARCEL 26
DOC.4754336 - PARCEL 26

(202) WISCONSIN POWER AND LIGHT COMPANY
NO EASEMENT OF RECORD - PARCEL 22, 23

(205) AT&T WISCONSIN (WISCONSIN BELL, INC.)
V.724, P.434, DOC.1024711 - PARCEL 21, 23

TLE STATION & OFFSET TABLE

T1350	2178+38.08	160.42'
T1351	55+50.00 'CS'	95.00'
T1352	55+50.00 'CS'	70.00'
T1353	57+20.00 'CS'	80.00'
T1354	58+10.00 'CS'	80.00'
T1355	58+10.00 'CS'	58.41'
T1356	56+65.00 'CS'	62.68'
T1357	56+65.00 'CS'	80.00'
T1358	56+15.00 'CS'	80.00'
T1359	56+15.00 'CS'	70.67'
T1360	46+65.00 'CS'	70.00'
T1361	46+10.00 'CS'	65.00'
T1362	46+10.00 'CS'	52.04'
T1363	46+10.00 'CS'	120.00'
T1364	48+50.00 'CS'	120.00'
T1365	2176+30.00	199.58'
T1366	2180+40.00	227.80'
T1367	2180+40.00	265.00'
T1368	2180+48.86	265.00'

R/W COURSE TABLE

1302-1303	S64°21'27"E	258.82'
1303-1304	S73°14'53"E	131.32'
1304-1305	N10°01'31"W	142.89'
1305-1306	N24°22'17"W	194.63'
1306-1307	N17°01'56"W	45.85'
1307-1308	N17°01'56"W	241.56'
1331-1309	S24°30'53"E	155.22'
1309-1310	S33°27'14"E	143.48'
1310-1311	S33°27'14"E	185.27'
1311-1312	S30°44'57"E	153.26'
1312-1313	S30°44'57"E	206.21'
1313-1314	S70°41'02"E	508.09'
1314-1315	S78°16'54"E	192.33'
1316-1317	N71°43'23"W	299.91'
1317-1318	N74°07'07"W	330.04'
1318-1319	S11°58'34"E	113.55'
1319-1320	S10°59'14"E	167.57'
1320-1321	S20°49'54"E	91.55'
1321-1322	S20°49'54"E	117.51'
1323-1324	N88°55'05"W	18.38'
1324-1325	SEE CURVE DATA ON SHEET	
1325-1326	SEE CURVE DATA ON SHEET	
1326-1327	N32°26'24"W	114.42'
1327-1328	N19°19'00"W	57.11'
1328-1329	N19°19'00"W	246.07'
1329-1330	N73°14'53"W	226.32'
1330-1301	N78°28'23"W	329.42'

R/W STATION & OFFSET TABLE

1301	2180+59.37	229.57'
1302	2181+87.03	200.44'
1303	2179+31.32	160.43'
1304	2178+00.00	160.42'
1305	55+25.37 'CS'	70.00'
1306	57+20.00 'CS'	70.00'
1307	57+65.48 'CS'	64.14'
1308	60+05.06 'CS'	33.28'
1309	58+50.00 'CS'	33.10'
1310	57+08.31 'CS'	55.75'
1311	55+25.37 'CS'	85.00'
1312	53+77.97 'CS'	105.61'
1313	2174+82.58	147.07'
1314	2169+75.00	124.31'
1315	2167+83.41	141.18'
1316	2166+75.20	222.99'
1317	2169+75.00	215.00'
1318	2173+05.00	220.00'
1319	46+66.63 'CS'	60.00'
1320	45+00.00 'CS'	35.10'
1321	44+08.08 'CS'	35.82'
1322	42+90.09 'CS'	35.33'
1323	43+18.49 'CS'	33.41'
1324	43+25.45 'CS'	50.41'
1325	44+08.08 'CS'	50.67'
1326	44+99.18 'CS'	49.81'
1327	46+10.00 'CS'	75.00'
1328	46+66.63 'CS'	75.15'
1329	2175+05.00	199.59'
1330	2177+31.32	198.58'
1331	60+05.22 'CS'	32.72'

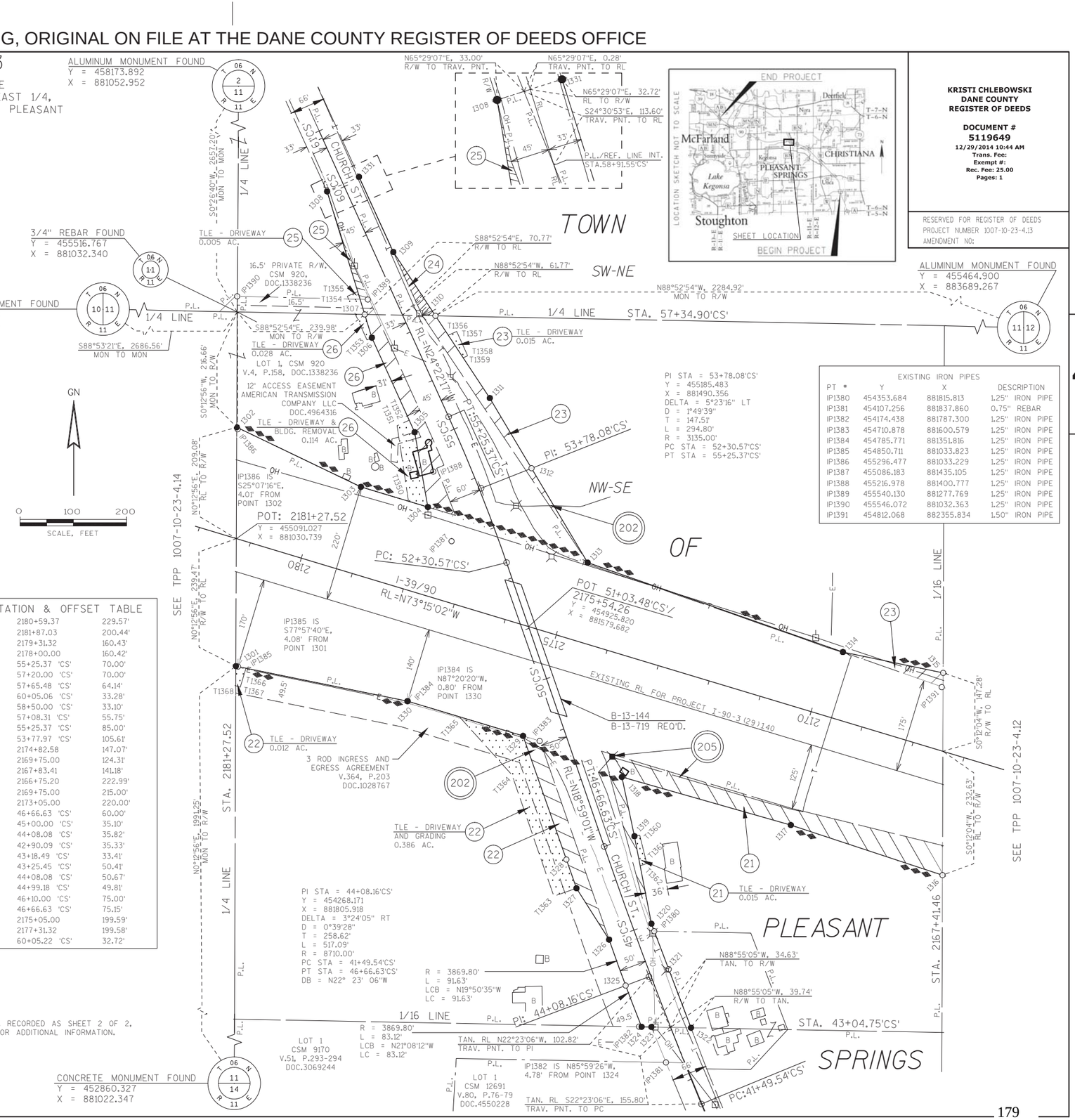
I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.13 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 12/22/2014 DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 12/23/2014 DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.



KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5119649
12/29/2014 10:44 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.13
AMENDMENT NO:

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP1380	454353.684	881815.813	1.25" IRON PIPE
IP1381	454107.256	881837.860	0.75" REBAR
IP1382	454174.438	881787.300	1.25" IRON PIPE
IP1383	454710.878	881600.579	1.25" IRON PIPE
IP1384	454785.771	881351.816	1.25" IRON PIPE
IP1385	454850.711	881033.823	1.25" IRON PIPE
IP1386	455296.477	881033.229	1.25" IRON PIPE
IP1387	455086.183	881435.105	1.25" IRON PIPE
IP1388	455216.978	881400.777	1.25" IRON PIPE
IP1389	455540.130	881277.769	1.25" IRON PIPE
IP1390	455546.072	881032.363	1.25" IRON PIPE
IP1391	454812.068	882355.834	1.50" IRON PIPE

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040113_RP.DWG
APPRAISAL PLAT DATE : 12/22/2014
PLOT DATE : 12/22/2014 12:48 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : 1:100

1007-10-23-4.13

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.14

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 11, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

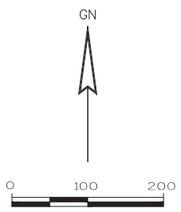
NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.



R/W STATION & OFFSET TABLE		
1401	2180+59.37	229.57'
1402	2181+65.00	229.56'
1403	2183+20.00	260.00'
1404	2185+50.00	229.55'
1405	2186+81.38	229.54'
1406	2188+50.00	189.51'
1410	2189+70.00	182.31'
1411	2194+73.62	188.65'
1412	2195+56.35	95.50'
1413	2193+65.56	95.49'
1414	2190+18.43	95.48'
1418	2186+31.36	200.46'
1419	2184+00.00	210.00'
1420	2181+87.03	200.44'

PLE STATION & OFFSET TABLE		
P1407	2189+10.00	185.91'
P1408	2189+10.00	200.00'
P1409	2189+70.00	200.00'
P1415	2190+00.00	100.47'
P1416	2190+00.00	125.00'
P1417	2189+09.57	125.00'

TLE STATION & OFFSET TABLE		
T1450	2180+48.86	265.00'
T1451	2181+90.00	265.00'
T1452	2182+10.00	285.00'
T1453	2182+10.00	325.00'
T1454	2182+50.00	325.00'
T1455	2182+50.00	246.25'

R/W COURSE TABLE		
1401-1402	N73°14'53"W	105.63'
1402-1403	N84°21'39"W	157.96'
1403-1404	N65°42'27"W	232.01'
1404-1405	N73°14'53"W	131.38'
1405-1406	N59°53'47"W	173.31'
1406-P1407	N69°49'07"W	60.11'
P1407-1410	N69°49'07"W	60.11'
1410-1411	N73°58'16"W	503.66'
1412-1413	S73°14'53"E	190.79'
1413-1414	S73°14'53"E	347.13'
1414-P1415	S88°25'31"E	19.09'
P1415-P1417	S88°25'31"E	93.69'
P1417-1418	S88°25'31"E	288.27'
1418-1419	S75°36'44"E	231.55'
1419-1420	S70°40'49"E	213.19

PLE COURSE TABLE		
P1407-P1408	S16°44'58"W	14.09'
P1408-P1409	N73°15'02"W	60.00'
P1409-1410	N16°44'58"E	17.69'
P1415-P1416	N16°44'58"E	24.53'
P1416-P1417	S73°15'02"E	90.43'

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP1480	454850.711	881033.823	1.25" IRON PIPE
IP1481	455031.001	880433.658	1.25" IRON PIPE
IP1482	455205.491	880131.180	1.25" IRON PIPE
IP1483	455296.477	881033.229	1.25" IRON PIPE
IP1484	455546.072	881032.363	1.25" IRON PIPE

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
26	ROBERT W. RHYMES AND CHERYL H. RHYMES	FEE, PLE	0.049	---	0.049	---	0.025
27	KIMBERLEY S. LEX	FEE, TLE, PLE	0.494	---	0.494	0.203	0.022

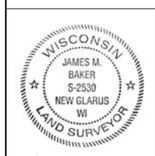
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY, LLC
DOC.4752115 - PARCEL 26
DOC.4754336 - PARCEL 26

(202) WISCONSIN POWER AND LIGHT COMPANY
NO EASEMENT OF RECORD - PARCEL 27



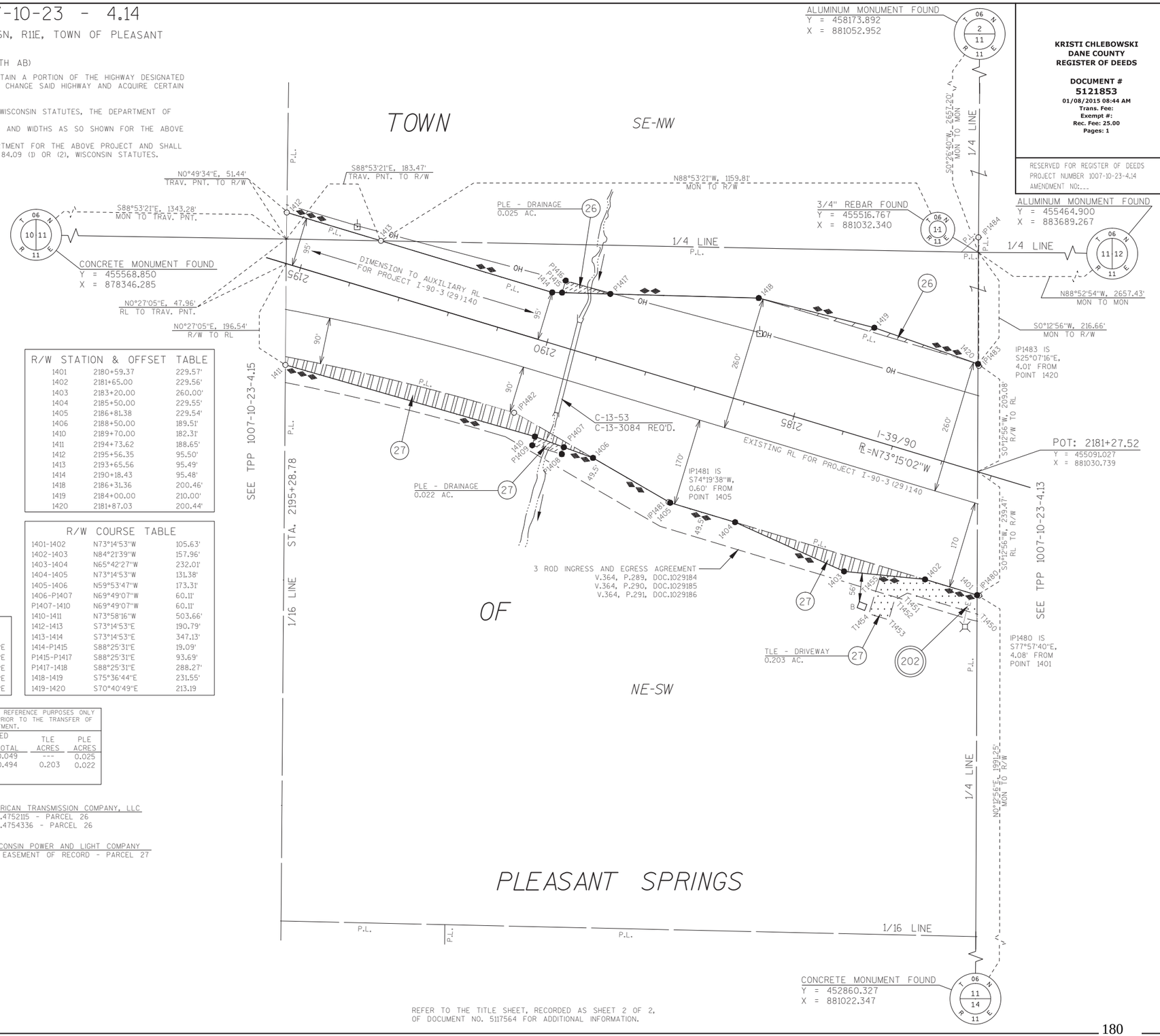
I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.14 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 1/5/2015 DATE
REGISTRATION NUMBER: S-2530

OTIE — Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 1/6/2015 DATE



REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040114_RP.DWG
PLOT DATE : 1/5/2015 2:22 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : 1:100
APPRAISAL PLAT DATE : 1/5/2015

1007-10-23-4.14

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.15

THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 11, T6N, R11E, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 10, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5236988
05/25/2016 11:45 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.15
AMENDMENT NO:___

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
28	DANIEL SPERLOEN THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE	0.126	---	0.126	---	---
29	WISCONSIN DEPARTMENT OF NATURAL RESOURCES; F.K.A. - THE STATE OF WISCONSIN (STATE CONSERVATION COMMISSION)	FEE	0.212	---	0.212	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

R/W COURSE TABLE

1501-1502	N73°58'16"W	107.72'
1502-1503	N83°23'43"W	544.57'
1503-1504	SEE CURVE DATA ON SHEET	
1504-1505	SEE CURVE DATA ON SHEET	
1505-1506	S73°58'51"W	309.47'
1506-1507	S73°58'51"W	163.85'
1507-1508	S73°58'52"W	125.93'
1508-1509	S69°32'13"W	495.28'
1510-1511	N81°49'07"E	517.83'
1511-1512	N81°49'11"E	136.56'
1512-1513	N81°49'11"E	240.28'
1513-1514	SEE CURVE DATA ON SHEET	
1514-1515	SEE CURVE DATA ON SHEET	
1515-1516	S73°19'15"E	757.67'
1516-1517	S73°14'53"E	101.36'
1517-1518	S73°14'53"E	24.98'

R/W STATION & OFFSET TABLE

1501	2194+73.62	188.65'
1502	2195+81.33	190.00'
1503	2201+50.00	252.74'
1504	2208+92.70	337.13'
1505	2212+00.18	370.24'
1506	2215+33.37	426.83'
1507	2216+95.44	450.93'
1508	2218+20.00	469.44'
1509	2223+02.78	580.00'
1510	2221+87.72	174.99'
1511	2216+69.92	180.57'
1512	2215+33.37	182.04'
1513	2213+02.57	190.65'
1514	2208+87.54	182.38'
1515	2204+13.85	172.52'
1516	2196+80.62	96.60'
1517	2195+81.33	95.50'
1518	2195+56.35	95.50'

SIGN NUMBER	SIGN OWNER	OASIS NO.
28-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE DANIEL SPERLOEN	14596

ALUMINUM MONUMENT FOUND
Y = 458219.795
X = 878402.200

PI STA = 2205+72.27
Y = 455795.570
X = 878689.716
DELTA = 24°18'50" LT
D = 1°14'44"
T = 990.93'
L = 1952.04'
R = 4600.00'
PC STA = 2195+81.33
PT STA = 2215+33.37

GN

0 100 200
SCALE, FEET

TOWN OF PLEASANT SPRINGS

SE-NE
SW-NW
NW-SW
NE-SE

STA. 2222+14.51 P.L.
STA. 2208+89.86 P.L.
PI: 2205+72.27
STA. 2197+13.48 1/4 LINE
STA. 2195+28.78 P.L.

SECTION LINE
1/16 LINE
1/4 LINE

R = 4738.80'
L = 431.95'
LCB = N88°59'27"E
LC = 431.80'

R = 4738.80'
L = 492.06'
LCB = S85°25'23"E
LC = 491.84'

R = 4493.80'
L = 285.76'
LCB = S81°50'56"W
LC = 285.71'

R = 4493.80'
L = 700.11'
LCB = S88°08'02"W
LC = 699.40'

S1°12'30"W, 2332.84' MON TO R/W
S1°12'30"W, 136.93' R/W TO RL TAN.
RL TAN. S82°26'08"W, 342.58' PI TO SEC. LINE
RL TAN. S73°15'02"E, 865.59' PI TO 1/4 LINE
N1°12'30"E, 181.66' MON TO RL TAN.
CONCRETE MONUMENT FOUND
Y = 455568.850
X = 878346.285
S88°53'21"E, 1172.52' MON TO RL TAN.
S88°53'21"E, 170.76' RL TAN. TO TRAV. PNT.
RL TAN. N73°15'02"W, 125.34' PC TO 1/4 LINE
S0°49'34"W, 51.44' R/W TO TRAV. PNT.
3/4" REBAR FOUND
Y = 455516.767
X = 881032.340
N88°53'21"W, 1343.28' MON TO TRAV. PNT.
S0°27'05"W, 47.96' TRAV. PNT. TO RL
RL=N73°15'02"W
S0°27'05"W, 196.54' RL TO R/W
S0°41'19"W, 200.95' MON TO R/W
EXISTING RL FOR PROJECT I-90-3(29)140
N87°43'02"E, 1316.31' MON TO TRAV. PNT.
N1°08'18"E, 177.03' RL TO R/W
N1°08'18"E, 59.05' TRAV. PNT. TO RL
S87°43'02"W, 1316.31' MON TO TRAV. PNT.
N1°05'01"E, 527.63' R/W TO TRAV. PNT.
NO°41'19"E, 2438.66' MON TO R/W
RL=S82°26'08"W
PT: 2215+33.37
RL TAN. N82°26'08"E, 648.35' PT TO SEC. LINE
PC: 2195+81.33

I 39/90

C-13-04
C-13-3086 REQ'D.
C-13-03
C-13-3085 REQ'D.
C-13-02
C-13-3087 REQ'D.

EXISTING AUXILIARY RL FOR PROJECT I-90-3(29)140

1 1/4" REBAR SET
Y = 455463.993
X = 875715.754

SEE TPP 1007-10-23-4.16
SEE TPP 1007-10-23-4.14

3 ROD INGRESS AND EGRESS AGREEMENT
V.364, P.289, DOC.1029184
V.364, P.290, DOC.1029185
V.364, P.291, DOC.1029186

POND
POND

SIGN 28-1
28

1510 1511 1512 1513 1514 1515 1516 1517 1518
1501 1502 1503 1504 1505 1506 1507 1508 1509
2210 2215 2220 2205 2200 2195

ALUMINUM MONUMENT FOUND
Y = 452929.430
X = 878314.567

LOCATION SKETCH NOT TO SCALE
END PROJECT
BEGIN PROJECT
SHEET LOCATION
McFarland
Stoughton
Lake Kegonsa
PLEASANT SPRINGS
CHRISTIANA
Deerfield
Nora
Kegonsa
Union
T-7-N T-6-N
T-6-N T-5-N
R-11-E R-12-E

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.15 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/16/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE Oneida Tribal Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/17/2016 DATE

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040115_RP.DWG
APPRAISAL PLAT DATE : 5/16/2016
PLOT DATE : 5/16/2016 7:43 AM PLOT BY : OTIE PLOT NAME : PLOT SCALE : 1"=100'

1007-10-23-4.15

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
29	WISCONSIN DEPARTMENT OF NATURAL RESOURCES; F.K.A. - THE STATE OF WISCONSIN (STATE CONSERVATION COMMISSION)	FEE	1.476	---	1.476	---	---
30	ERIC W. OLSON & CHRISTINA L. OLSON	FEE	0.016	---	0.016	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.16

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 10, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

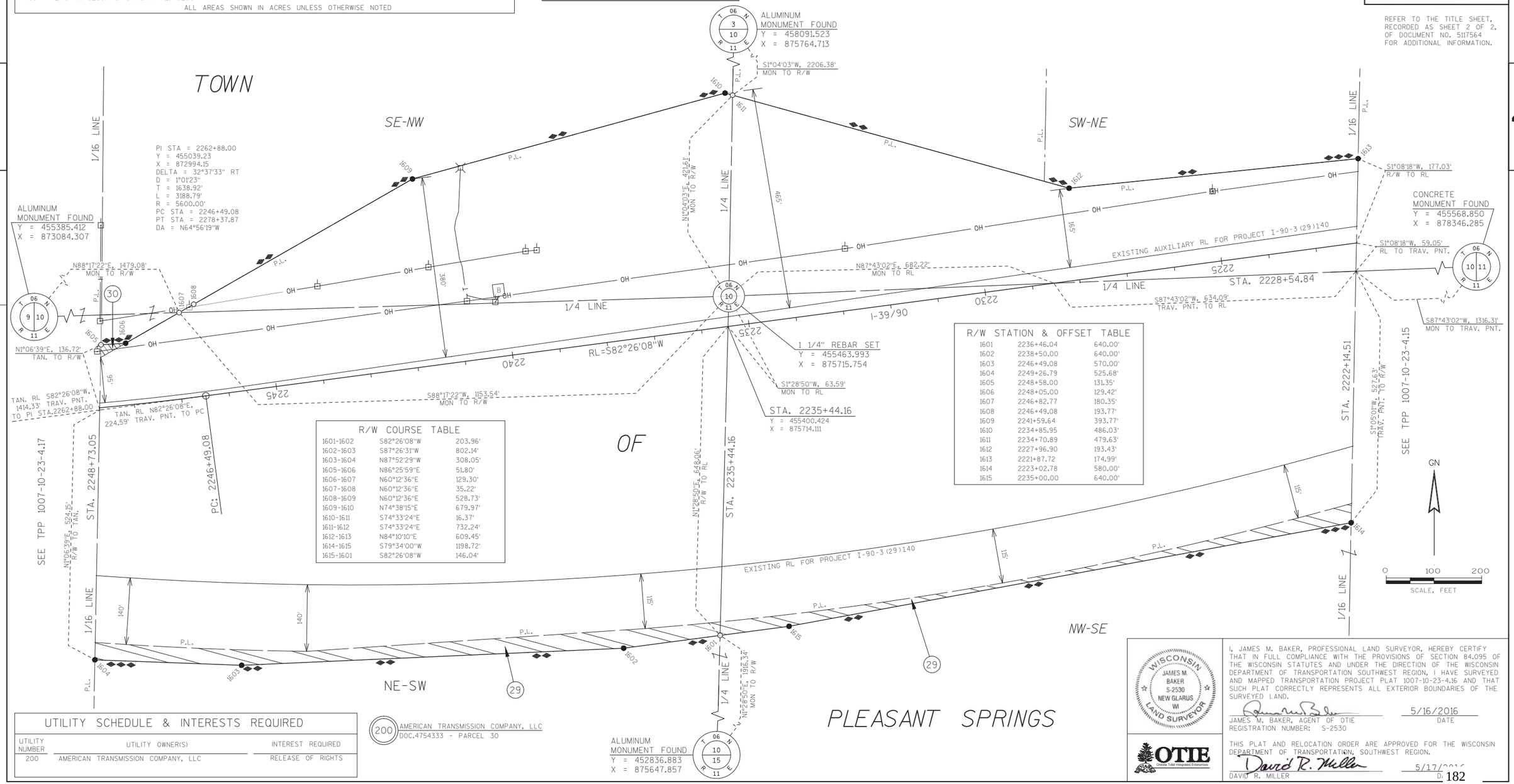
KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5236992
05/25/2016 12:00 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.16
AMENDMENT NO:___

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

4



R/W COURSE TABLE

1601-1602	S82°26'08"W	203.96'
1602-1603	S87°26'31"W	802.14'
1603-1604	N87°52'29"W	308.05'
1605-1606	N86°25'59"E	51.80'
1606-1607	N60°12'36"E	129.30'
1607-1608	N60°12'36"E	35.22'
1608-1609	N60°12'36"E	528.73'
1609-1610	N74°38'15"E	679.97'
1610-1611	S74°33'24"E	16.37'
1611-1612	S74°33'24"E	732.24'
1612-1613	N84°10'10"E	609.45'
1614-1615	S79°34'00"W	1198.72'
1615-1601	S82°26'08"W	146.04'

R/W STATION & OFFSET TABLE

1601	2236+46.04	640.00'
1602	2238+50.00	640.00'
1603	2246+49.08	570.00'
1604	2249+26.79	525.68'
1605	2248+58.00	131.35'
1606	2248+05.00	129.42'
1607	2246+82.77	180.35'
1608	2246+49.08	193.77'
1609	2241+59.64	393.77'
1610	2234+85.95	486.03'
1611	2234+70.89	479.63'
1612	2227+96.90	193.43'
1613	2221+87.72	174.99'
1614	2223+02.78	580.00'
1615	2235+00.00	640.00'

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY, LLC
DOC.4754333 - PARCEL 30

ALUMINUM MONUMENT FOUND
Y = 452836.883
X = 875647.857

WISCONSIN
JAMES M. BAKER
S-2530
NEW GLARUS
WI
LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.16 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/16/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE
Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/17/2016 D

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040116_RP.DWG
APPRAISAL PLAT DATE : 5/16/2016
PLOT DATE : 5/16/2016 7:48 AM PLOT BY : OTIE PLOT NAME : PLOT SCALE : **********

1007-10-23-4.16

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
31	THE NEAL E. ELSING LIVING TRUST AND THE MARK ELSING REVOCABLE TRUST *	FEE	1.597	---	1.597	---	---
32	MICHAEL CHAMPAGNE & RENELLE CHAMPAGNE	FEE	0.525	---	0.525	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

* YAHARA MATERIALS, INC. (LEASE-DOC.5000934)

R/W COURSE TABLE

1701-1702	S77°35'11"E	141.42'
1702-1703	S77°35'11"E	188.27'
1703-1704	S87°57'24"E	498.58'
1704-1705	N86°25'59"E	495.26'
1706-1707	N87°52'29"W	332.22'
1707-1708	N81°46'48"W	496.71'
1708-1709	N77°40'17"W	495.95'
1709-1710	S83°23'19"W	109.28'
1710-1711	S83°23'19"W	62.96'
1711-1712	N59°43'49"W	338.41'
1712-1713	SEE CURVE DATA ON SHEET	
1713-1714	SEE CURVE DATA ON SHEET	
IP1782-1715	SEE CURVE DATA ON SHEET	
1715-1701	SEE CURVE DATA ON SHEET	

R/W STATION & OFFSET TABLE

1701	2262+11.43	155.00'
1702	2260+66.63	143.33'
1703	2258+75.00	122.16'
1704	2253+65.00	125.00'
1705	2248+58.00	131.35'
1706	2249+26.79	525.68'
1707	2252+30.00	495.00'
1708	2256+85.00	430.00'
1709	2261+44.62	370.00'
1710	2262+43.48	398.02'
1711	2263+00.00	415.00'
1712	2266+00.00	302.51'
1713	2274+48.63	242.90'
1714	2274+88.18	240.95'
IP1782	2276+44.80	146.55'
1715	2262+43.48	154.91'

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.17 AMENDMENT NO. 1

AMENDS PARCEL 31 OF TPP 1007-10-23-4.17 RECORDED AS DOCUMENT NUMBER 5236993.
THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, IN SECTION 10, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5240085
06/07/2016 1:47 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.17
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

ALUMINUM MONUMENT FOUND
Y = 458077.723
X = 873081.030

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP1780	455370.194	871742.333	1.25" IRON PIPE
IP1781	455781.082	871741.654	1" IRON PIPE
IP1782	455789.513	871743.254	0.75" REBAR

PI STA = 2262+88.00
Y = 455039.225
X = 872994.147
DELTA = 32°37'33" RT
D = 1°01'23"
T = 1638.92'
L = 3188.79'
R = 5600.00'
PC STA = 2246+49.08
PT STA = 2278+37.87
DA = N64°56'19"W
DB = N82°26'08"E

1 1/4 REBAR SET
Y = 455463.993
X = 875715.754

ALUMINUM MONUMENT FOUND
Y = 455385.412
X = 873084.307

ALUMINUM MONUMENT FOUND
Y = 452747.163
X = 873050.116

TOWN

SE-NE

NE-SE

OF

SW-NW

NW-SW

PLEASANT SPRINGS

SECTION LINE

1/16 LINE

1/4 LINE

I-39/90

EXISTING AUXILIARY RL FOR PROJECT I-90-3(29)140

EXISTING RL FOR PROJECT I-90-3(29)140

STA. 2275+82.81 1/16 LINE P.L.

STA. 2267+54.99 1/4 LINE

STA. 2261+90.04 SECTION LINE

STA. 2248+73.05 1/16 LINE

IP1781 IS S10°44'44"W, 8.58' FROM POINT IP1782

IP1780 IS S8°45'18"W, 0.91' FROM POINT 1714

N0°06'25"E, 165.21' TAN. TO R/W

N64°56'19"W, 2257.68' TAN. RL TRAV. PNT. TO PT STA. 2275

N0°06'25"E, 253.21' R/W TO TAN.

SEE TPP 1007-10-23-4.19

N88°38'01"E, 1380.04' MON TO R/W

N88°38'01"E, 514.06' R/W TO RL TAN.

TAN. RL N64°56'19"W, 772.18' TRAV. PNT. TO 1/4 LINE

S88°38'01"W, 790.41' MON TO RL TAN.

TAN. RL N64°56'19"W, 608.46' TRAV. PNT. TO 1/4 LINE

TAN. RL N82°26'08"E, 86.58' PI TO SECTION LINE

S0°04'11"E, 2657.79' MON TO R/W

S0°44'33"W, 334.82' MON TO RL TAN.

N0°04'11"W, 34.52' MON TO R/W

N88°17'22"E, 138.13' MON TO R/W

S88°17'22"W, 2494.49' MON TO R/W

S1°06'39"W, 136.72' R/W TO TAN.

TAN. RL N82°26'08"E, 224.59' TRAV. PNT. TO PC STA.

S1°06'39"W, 524.15' TAN. TO R/W

TAN. RL N82°26'08"E, 1327.75' SECTION LINE TO TRAV. PNT.

N0°44'33"E, 160.05' R/W TO RL TAN.

N0°44'33"E, 2143.65' MON TO R/W

SEE TPP 1007-10-23-4.16

R = 5584.60' L = 1363.46' LCB = S74°25'56"E LC = 1360.08'

R = 5584.60' L = 31.17' LCB = S81°35'11"E LC = 31.17'

R = 7809.50' L = 41.30' LCB = N66°00'57"W LC = 41.30'

R = 7809.50' L = 891.57' LCB = N69°26'17"W LC = 891.09'

PI: 2262+88.00
Y = 455039.226
X = 872994.147

GN

0 100 200
SCALE, FEET

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.17 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 6/6/2016 DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 6/6/2016 DATE

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY, LLC
DOC.4760852 - PARCEL 32

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040117_A1_RP .DWG
PLOT DATE : 6/6/2016 7:11 AM PLOT BY : OTIE PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 6/6/2016
1007-10-23-4.17 AMENDMENT NO: 1

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.17

THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, IN SECTION 10, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5236993
05/25/2016 12:00 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.17
AMENDMENT NO:___

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
31	THE NEAL E. ELSING LIVING TRUST AND THE MARK ELSING REVOCABLE TRUST *	FEE	1.635	---	1.635	---	---
32	MICHAEL CHAMPAGNE & RENELLE CHAMPAGNE	FEE	0.525	---	0.525	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

* YAHARA MATERIALS, INC. (LEASE-DOC.5000934)

R/W COURSE TABLE

1701-1702	S77°35'11"E	141.42'
1702-1703	S77°35'11"E	188.27'
1703-1704	S87°57'24"E	498.58'
1704-1705	N86°25'59"E	495.26'
1706-1707	N87°52'29"W	332.22'
1707-1708	N81°46'48"W	496.71'
1708-1709	N77°40'17"W	495.95'
1709-1710	S83°23'19"W	109.28'
1710-1711	S83°23'19"W	62.96'
1711-1712	N59°43'49"W	338.41'
1712-1713	SEE CURVE DATA ON SHEET	
1713-1714	SEE CURVE DATA ON SHEET	
IP1782-1715	SEE CURVE DATA ON SHEET	
1715-1701	SEE CURVE DATA ON SHEET	

R/W STATION & OFFSET TABLE

1701	2262+11.43	155.00'
1702	2260+66.63	143.33'
1703	2258+75.00	122.16'
1704	2253+65.00	125.00'
1705	2248+58.00	131.35'
1706	2249+26.79	525.68'
1707	2252+30.00	495.00'
1708	2256+85.00	430.00'
1709	2261+44.62	370.00'
1710	2262+43.48	398.02'
1711	2263+00.00	415.00'
1712	2266+00.00	302.51'
1713	2274+48.63	242.90'
1714	2274+88.18	240.95'
IP1782	2276+44.80	146.55'
1715	2262+43.48	154.91'

ALUMINUM MONUMENT FOUND
Y = 458077.723
X = 873081.030

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP1780	455370.194	871742.333	1.25" IRON PIPE
IP1781	455781.082	871741.654	1" IRON PIPE
IP1782	455789.513	871743.254	0.75" REBAR

PI STA = 2262+88.00
Y = 455039.225
X = 872994.147
DELTA = 32°37'33" RT
D = 1°01'23"
T = 1638.92'
L = 3188.79'
R = 5600.00'
PC STA = 2246+49.08
PT STA = 2278+37.87
DA = N64°56'19"W
DB = N82°26'08"E

1 1/4 REBAR SET
Y = 455463.993
X = 875715.754

ALUMINUM MONUMENT FOUND
Y = 455385.412
X = 873084.307

ALUMINUM MONUMENT FOUND
Y = 452747.163
X = 873050.116

TOWN

SE-NE

NE-SE

SW-NW

NW-SW

PLEASANT SPRINGS

SECTION LINE

1/16 LINE

1/4 LINE

I-39/90

EXISTING AUXILIARY RL FOR PROJECT I-90-3(29)140

EXISTING RL FOR PROJECT I-90-3(29)140

SEE TPP 1007-10-23-4.19

SEE TPP 1007-10-23-4.16

CALCULATED POSITION
SURVEY BY GEORGE A. WEIR,
(REV. 9/27/1971)
S-0843
Y = 455321.403
X = 870400.566

GN

0 100 200
SCALE, FEET

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.17 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/16/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE Orbeta Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/17/2016 DATE

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY, LLC
DOC.4760852 - PARCEL 32

COMPOSITE DRAWING. ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.18

THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5186305
09/25/2015 8:45 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.18
AMENDMENT NO:___

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
33	JOEL E. HOUGAN	TLE	---	---	---	0.336	---
34	DANIEL SPERLOEN	TLE	---	---	---	0.075	---
35	VOGEL BROS. BUILDING CO.	FEE, TLE	0.011	0.752	0.763	0.046	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

CALCULATED POSITION
SURVEY BY GEORGE A. WEIR, S-0843 (REV. 9/27/1971)
Y = 455321.403
X = 870400.566

SEE TPP 1007-10-23-4.20

SEE TPP 1007-10-23-4.19

TOWN OF PLEASANT SPRINGS

SE-SW

SW-SE

1/16 LINE

STA.77+55.36'NN'

N88°24'33"E, 51.01'
RL TO TRAV. PNT.

N88°24'33"E, 67.63'
R/W TO RL

S0°17'11"W, 1322.11'
MON TO TRAV. PNT.

N88°33'53"E, 1.72'
TRAV. PNT. TO R/W

TLE - TEMPORARY ROAD
0.150 AC.

TLE - DRIVEWAY
0.046 AC.

TLE - TEMPORARY ROAD
0.075 AC.

TLE - TEMPORARY ROAD
0.186 AC.

CTH N

1/4 LINE EXISTING R/W

N89°42'49"W, 1.06'
R/W TO 1/4 LINE

KOSHKONONG ROAD

SECTION LINE

STA.64+33.02'NN'

N88°11'06"E, 2498.66'
MON TO TRAV. PNT.

S88°11'06"W, 110.72'
RL TO TRAV. PNT.

S88°29'43"W, 2606.54'
MON TO TRAV. PNT.

S88°29'43"W, 57.14'
TRAV. PNT. TO MON

N1°48'54"W, 40.00'
TRAV. PNT. TO R/W

S1°30'17"E, 40.00'
R/W TO TRAV. PNT.

S88°11'06"W, 51.79'
MON TO RL

ALUMINUM MONUMENT FOUND
Y = 452592.934
X = 867727.505

POT STA.64+29.26'NN'
Y = 452671.817
X = 870335.563

PK NAIL FOUND
Y = 452677.217
X = 870387.350

ALUMINUM MONUMENT FOUND
Y = 452747.163
X = 873050.116

R/W STATION & OFFSET TABLE

1801	64+68.87	'NN'	112.14'
1802	65+25.85	'NN'	57.24'
1803	76+60.00	'NN'	57.30'
1804	77+53.11	'NN'	67.60'
1805	77+57.12	'NN'	52.70'
1806	65+29.77	'NN'	52.76'
1807	64+76.75	'NN'	107.60'

R/W COURSE TABLE

1801-1802	N44°15'04"E	79.12'
1802-1803	N0°19'02"E	1134.15'
1803-1804	N5°59'34"W	93.68'
1805-1806	S0°19'02"W	1227.35'
1806-1807	S45°38'59"E	76.28'

TLE STATION & OFFSET TABLE

T1850	76+60.00	'NN'	80.00'
T1851	77+52.44	'NN'	87.62'
T1852	77+57.95	'NN'	80.00'
T1853	71+00.00	'NN'	80.00'
T1854	71+00.00	'NN'	52.73'

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP1880	453996.182	870285.850	1" IRON PIPE

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY LLC
DOC.3282843 - PARCEL 33, 34

(202) WISCONSIN POWER AND LIGHT COMPANY
V.147 P.328 DOC.632524 - PARCEL 33, 34

(205) AT&T WISCONSIN (WISCONSIN BELL, INC.)
V.322 P.565 DOC.963952 - PARCEL 33

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368501), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

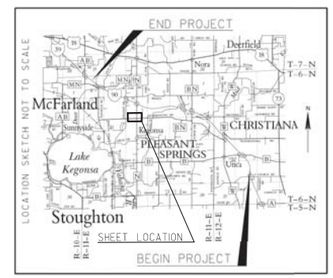
FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S.0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

GN

0 100 200
SCALE, FEET



REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.18 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 9/17/2015 DATE
REGISTRATION NUMBER: S-2530

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 9/22/2015 D

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040118_RP.DWC
APPRAISAL PLAT DATE : 9/17/2015
PLOT DATE : 9/17/2015 2:56 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : ==========

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5241996
06/14/2016 11:13 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

186

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.19
AMENDMENT NO: 2

1007-10-23-4.19 AMENDMENT NO: 2

PLOT NAME : PLOT SCALE : 1.0000'' = 1'

PLOT BY : OTIE

PLOT DATE : 6/13/2016 3:08 PM

SEE TPP 1007-10-23-4.17

PLOT DATE :

FILE NAME : P:\2012026_IH 39\CIVIL\30NRWPLAT\1007102 3-040119_A2_RP.DWG

APPRAISAL PLAT DATE : 6/13/2016

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.19 AMENDMENT NO. 2

AMENDS UTILITY INTEREST 202 OF TPP 1007-10-23-4.19 RECORDED AS DOCUMENT NUMBER 5218371.

THAT PART OF LOT 1, CSM 3700, LOCATED IN THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF LOT 1, CSM 10634, LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 AND THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF LOT 2, CSM 10634, LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 AND THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368500), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
36	AMERICAN TRANSMISSION COMPANY LLC	FEE	0.830	---	0.830	---	---
37	RANGER HOLDINGS 136, LLC	FEE, TLE	2.464	0.008	2.472	0.761	---
54	COMMERCIAL NET LEASE REALTY LP	FEE, TLE, AR	0.176	0.026	0.202	0.618	---
55	JOHN S. BARLOW	FEE, TLE	1.014	0.026	1.040	0.628	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

PARCEL NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

200 AMERICAN TRANSMISSION COMPANY LLC
DOC.3282843 - PARCEL 37

202 WISCONSIN POWER AND LIGHT COMPANY
V.146 P.455 DOC.631140
PARCEL 37, 54, 55
V.146 P.456 DOC.631141
EXISTING R/W

205 AT&T WISCONSIN (WISCONSIN BELL, INC.)
NO EASEMENT OF RECORD
PARCEL 37, 54

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.19 AMENDMENT NO: 2 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE
REGISTRATION NUMBER: S-2530

6/13/2016
DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER

6/14/2016
DATE

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

OTIE Onsite Total Integrated Enterprises

GN

0 100 200
SCALE, FEET

PLEASANT SPRINGS

4

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5226531
04/12/2016 1:11 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

187

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.19
AMENDMENT NO: 1

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.19 AMENDMENT NO. 1

AMENDS PARCELS 37 AND 54 OF TPP 1007-10-23-4.19 RECORDED AS DOCUMENT NUMBER 5218371.
THAT PART OF LOT 1, CSM 3700, LOCATED IN THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF LOT 1, CSM 10634, LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 AND THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF LOT 2, CSM 10634, LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 AND THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368500), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
36	AMERICAN TRANSMISSION COMPANY LLC	FEE	0.830	---	0.830	---	---
37	RANGER HOLDINGS 136, LLC	FEE, TLE	2.464	0.008	2.472	0.761	---
54	COMMERCIAL NET LEASE REALTY LP	FEE, TLE, AR	0.176	0.026	0.202	0.618	---
55	JOHN S. BARLOW	FEE, TLE	1.014	0.026	1.040	0.628	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

PARCEL NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY LLC — DOC.3282843 - PARCEL 37
(202) WISCONSIN POWER AND LIGHT COMPANY — V.146 P.455 DOC.631140 PARCEL 37, 54, 55
(205) AT&T WISCONSIN (WISCONSIN BELL, INC.) — NO EASEMENT OF RECORD PARCEL 37, 54

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.19 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

4/8/2016
JAMES M. BAKER, AGENT OF OTIE — DATE
REGISTRATION NUMBER: S-2530

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

4/11/2016
DAVID R. MILLER — DATE

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

OTIE Onsite Total Integrated Enterprises

SCALE, FEET: 0 100 200

GN

PLEASANT SPRINGS

SEE TPP 1007-10-23-4.18

SEE TPP 1007-10-23-4.20

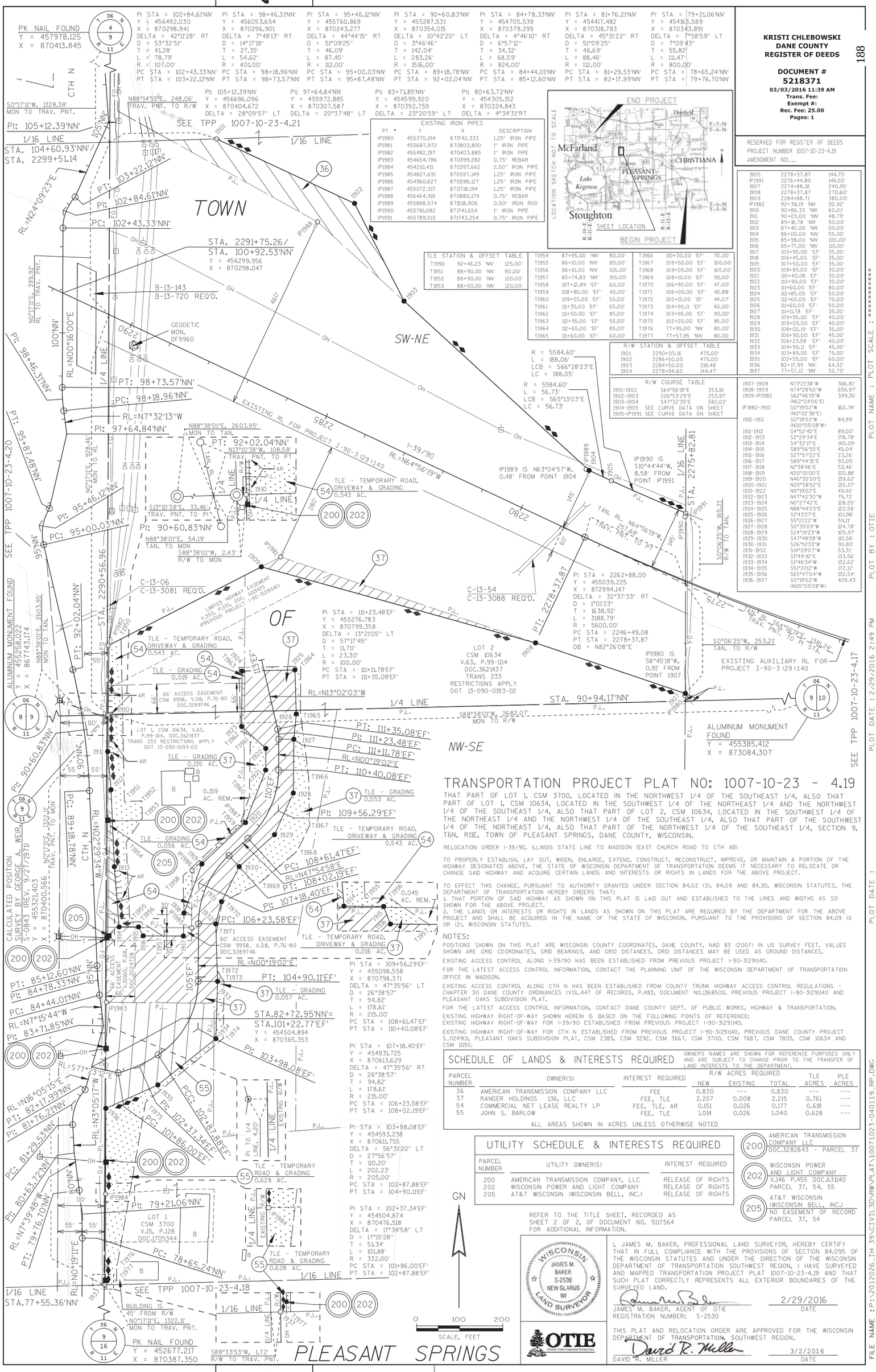
SEE TPP 1007-10-23-4.21

SEE TPP 1007-10-23-4.17

PLOT BY : OTIE
PLOT DATE : 4/8/2016 4:00 PM
PLOT NAME : PLOT SCALE : 1007-10-23-4.19 AMENDMENT NO: 1
FILE NAME : P:\2012026_IH 39\CIVIL\30NRWPLAT\1007102 3-040119-A1_RP.DWG
PLAT DATE : 4/8/2016
APPRAISAL

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4



4

COMPOSITE DRAWING. ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

PLE STATION & OFFSET TABLE			
P2023	88+65.00	'NN'	70.84'
P2024	88+65.00	'NN'	105.00'
P2025	88+85.00	'NN'	105.00'
P2026	88+85.00	'NN'	69.86'

PLE COURSE TABLE		
P2023-P2024	S87°30'26"W	34.16'
P2024-P2025	N2°29'34"W	20.00'
P2025-P2026	N87°30'26"E	35.14'

R/W COURSE TABLE		
2001-2002	N7°10'58"W	1.67'
2002-2003	N39°19'17"W	32.75'
2003-2004	N23°12'44"W	163.98'
2004-2005	N38°36'04"W	389.81'
2005-2006	N80°11'37"W	228.04'
2006-2007	N52°08'04"W	225.61'
2007-2008	N32°20'18"W	510.42'
2008-2009	N51°48'17"W	248.55'
2010-2011	N5°59'34"W	112.81'
2011-2012	N11°17'04"W	63.13'
2012-2013	N60°24'33"E	32.93'
2013-2014	N12°01'08"W	24.77'
2014-2015	N12°01'08"W	159.45'
2015-2016	N12°01'08"W	128.54'
2016-2017	N62°09'05"W	40.00'
2017-2018	S88°11'34"W	153.29'
2018-2019	N12°15'20"W	71.91'
2019-2020	N29°38'18"E	69.62'
2020-2021	N88°19'08"E	231.06'
2021-2022	N8°17'54"E	93.27'
2022-P2023	N0°19'02"E (S00°25'20"W)	352.82'
P2023-P2026	N0°19'02"E (S00°25'20"W)	20.02'
P2026-2027	N0°19'02"E (S00°25'20"W)	94.33'
2027-2001	N7°10'58"W	116.23'

R/W STATION & OFFSET TABLE		
2001	91+03.26 'NN'	64.07'
2002	91+05.00 'NN'	64.00'
2003	91+35.00 'NN'	80.00'
2004	93+00.00 'NN'	110.00'
2005	2292+80.00	600.00'
2006	2295+00.00	660.00'
2007	2297+20.00	610.00'
2008	2301+50.00	335.00'
2009	2303+92.04	278.52'
2010	77+53.11 'NN'	67.60'
2011	78+65.24 'NN'	80.00'
2012	79+35.00 'NN'	90.00'
2013	79+50.00 'NN'	60.00'
2014	79+76.70 'NN'	62.29'
2015	81+29.53 'NN'	79.91'
2016	81+90.00 'NN'	135.00'
2017	81+90.00 'NN'	175.00'
2018	81+70.00 'NN'	315.00'
2019	81+85.00 'NN'	355.00'
2020	84+50.00 'NN'	340.00'
2021	84+30.00 'NN'	110.00'
2022	85+12.60 'NN'	88.14'
2027	89+81.87 'NN'	64.00'

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368501), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

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EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S.0249(I), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5221577
03/21/2016 12:48 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

189

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.20
AMENDMENT NO: 1

AMENDMENT NO: 1
1007-10-23-4.20

TOWN OF PLEASANT SPRINGS

SEE TPP 1007-10-23-4.23

SEE TPP 1007-10-23-4.21

N88°30'29"E, 517.31' TRAV. PNT. TO RL

N88°30'29"E, 23.60' RL TO TRAV. PNT.

N88°30'29"E, 788.67' RL TO RL

1/16 LINE STA. 2299+51.14/STA. 104+60.93'NN

PT: 103+22.12'NN

PI: 102+84.61'NN

PC: 102+43.33'NN

RL=N24°09'23"E

STA. 2290+56.96

PK NAIL FOUND
Y = 457978.025
X = 870413.845

S0°17'11"W, 1328.38' MON TO TRAV. PNT.

S0°17'11"W, 399.92' TRAV. PNT. TO RL

I-39/90
RL=N64°56'18"W

EXISTING RL FOR PROJECT 1-90-3 (29)140

PI STA = 102+84.61'NN
Y = 456492.030
X = 870298.941
DELTA = 42°11'28" RT
D = 53°32'51"
T = 41.28'
L = 78.79'
R = 107.00'
PC STA = 102+43.33'NN
PT STA = 103+22.12'NN

PI STA = 98+46.31'NN
Y = 456053.654
X = 870296.901
DELTA = 7°48'13" RT
D = 14°17'18"
T = 27.35'
L = 54.62'
R = 401.00'
PC STA = 98+18.96'NN
PT STA = 98+73.57'NN

PI: 97+64.84'NN
Y = 455972.885
X = 870307.587
DELTA = 20°37'48" LT

STA. 2291+75.26/
STA. 100+92.53'NN
Y = 456299.956
X = 870298.047

RL=N0°16'00"E

B-13-143
B-13-720 REQ'D.

GEODETIC MON. DF9960

PI STA = 95+46.12'NN
Y = 455760.869
X = 870243.277
DELTA = 44°44'15" RT
D = 51°09'25"
T = 46.09'
L = 87.45'
R = 112.00'
PC STA = 95+00.03'NN
PT STA = 95+87.48'NN

PI STA = 90+60.83'NN
Y = 455287.531
X = 870354.015
DELTA = 10°42'20" LT
D = 3°46'46"
T = 142.04'
L = 283.26'
R = 1516.00'
PC STA = 89+18.78'NN
PT STA = 92+02.04'NN

PI STA = 84+78.33'NN
Y = 454705.539
X = 870379.299
DELTA = 4°46'10" RT
D = 6°57'12"
T = 34.32'
L = 68.59'
R = 824.00'
PC STA = 84+44.01'NN
PT STA = 85+12.60'NN

PT: 98+73.57'NN
PI: 98+46.31'NN
PC: 98+18.96'NN

RL=N7°32'13"W

PI: 97+64.84'NN

RL=N13°05'35"E

1/4 LINE

S0°17'11"W, 928.46' RL TO MON

PT: 95+87.48'NN
PI: 95+46.12'NN
PC: 95+00.03'NN

PT: 92+02.04'NN

RL=N13°09'49"W

N13°10'38"W, 105.58' TRAV. PNT. TO PT

C-13-06
C-13-3081
REQ'D.

ALUMINUM MONUMENT FOUND
Y = 455385.412
X = 873084.307

N88°38'01"E, 54.19' TAN. TO MON

S88°38'01"W, 2684.50' MON TO MON

S13°09'38"E, 23.46' TRAV. PNT. TO PI

PI: 90+60.83'NN

PC: 89+18.78'NN

RL=N2°29'34"W

S0°17'11"W, 1322.11' MON TO TRAV. PNT.

CALCULATED POSITION SURVEY BY GEORGE A. WEIR, S-0843 (REV. 9/27/1971)
Y = 455321.403
X = 870400.566

SEE TPP 1007-10-23-4.19

PT: 85+12.60'NN
PI: 84+78.33'NN
PC: 84+44.01'NN

RL=N7°15'44"W

PI: 83+71.85'NN

RL=N16°05'15"E

PT: 82+17.99'NN
PI: 81+76.21'NN
PC: 81+29.53'NN

RL=N3°05'17"W

PI: 80+63.72'NN

RL=N7°39'48"W

PT: 79+76.70'NN

PI: 79+21.06'NN

PC: 78+65.24'NN

RL=N0°19'11"E

N0°17'11"E, 1322.11' MON TO TRAV. PNT.

PK NAIL FOUND
Y = 452677.217
X = 870387.350

S88°24'33"W, 67.63' RL TO R/W

S88°24'33"W, 51.01' TRAV. PNT. TO RL

STA.77+55.36'NN

1/16 LINE

SEE TPP 1007-10-23-4.18

PLEASANT SPRINGS

SEE TPP 1007-10-23-4.22

N0°16'06"E, 52.07' R/W TO TRAV. PNT.

1/16 LINE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP2080	456615.141	869078.082	1" IRON ROD
IP2081	455917.022	869931.442	1" IRON PIPE
IP2082	455655.445	870212.965	1" IRON PIPE
IP2083	455314.700	870293.445	PK NAIL
IP2084	455114.663	870292.051	1" IRON PIPE
IP2085	454621.673	870289.633	0.75" REBAR
IP2086	454555.635	870289.268	1" IRON PIPE
IP2087	453996.182	870285.850	1" IRON PIPE
IP2088	454546.480	869900.509	NAIL
IP2089	454725.761	869901.034	0.75" REBAR
IP2090	454729.222	870029.811	0.75" REBAR
IP2091	455107.308	869903.470	1" IRON PIPE
IP2092	455107.745	869898.303	1.25" IRON PIPE
IP2093	455105.753	869815.646	1.50" IRON PIPE
IP2094	455305.751	869811.747	0.75" REBAR
IP2095	455306.910	869899.025	1" IRON PIPE
IP2096	455307.161	869899.143	0.75" IRON PIPE
IP2097	455308.030	869943.518	1.25" IRON PIPE
IP2098	456010.959	869797.541	1.50" IRON PIPE

GN

SE-NW

NE-SW

0 100 200
SCALE, FEET

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.20 AMENDMENT NO. 1

AMENDS PARCEL 64 OF TPP 1007-10-23-4.20 RECORDED AS DOCUMENT NUMBER 5176318.
THAT PART OF LOT 1 AND LOT 2, CSM 11192 AND THAT PART OF LOT 2 AND LOT 3 OF CSM 3667, LOCATED IN THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ALUMINUM MONUMENT FOUND
Y = 455258.022
X = 867743.174

N88°38'01"E, 2535.35' MON TO R/W

STA. 90+94.17'NN

LOCATION SKETCH NOT TO SCALE

END PROJECT
Deerfield
McFarland
CHRISTIANA
PLEASANT SPRINGS
Lake Kegonsa
Stoughton
T-7-N
T-6-N
T-5-N
R-10-E
R-11-E
R-12-E
SHEET LOCATION
BEGIN PROJECT

TLE STATION & OFFSET TABLE			
T2050	2293+25.00		612.27'
T2051	92+90.00	'NN'	415.00'
T2052	92+45.00	'NN'	505.00'
T2053	93+15.00	'NN'	865.00'
T2054	92+55.00	'NN'	875.00'
T2055	91+40.00	'NN'	395.00'
T2056	2292+20.00		725.00'
T2057	2291+75.00		651.98'
T2058	94+50.00	'NN'	181.35'
T2059	94+45.00	'NN'	190.00'
T2060	93+00.00	'NN'	120.00'
T2061	90+75.00	'NN'	75.00'
T2062	88+85.00	'NN'	90.00'
T2063	88+65.00	'NN'	90.00'
T2064	87+95.00	'NN'	74.28'
T2065	84+70.00	'NN'	235.00
T2066	84+75.00	'NN'	335.00'
T2067	82+85.00	'NN'	350.38'
T2068	82+75.00	'NN'	375.00'
T2069	81+65.00	'NN'	325.00'
T2070	81+85.00	'NN'	165.00'
T2071	81+35.00	'NN'	95.00
T2072	77+52.44	'NN'	87.62
T2073	2303+70.41		325.36'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
40	LUNDE FARMS, INC.	FEE, TLE	3.427	---	3.427	0.423	---
56	ROSE INVESTMENTS, LLC ADAMS OUTDOOR ADVERTISING	FEE, TLE	0.677	1.388	2.065	0.330	---
57	KOUA VANG AND DIA M. VANG	TLE	---	---	---	0.202	---
58	FRANK L. KNIPFER AND KEVIN F. KNIPFER	FEE, TLE	0.410	0.164	0.574	0.016	---
59	THE MARVIN K. AND ANNETTE M. TOMLINSON REVOCABLE TRUST (VENDOR) GOLDEN GREEN PROPERTIES LLC (PURCHASER)	FEE, TLE, PLE	0.138	1.220	1.358	0.294	0.016
60	WISCONSIN FUEL LLC	FEE, TLE, AR	0.019	0.494	0.513	0.102	---
61	LAD OF JANESVILLE, INC. (VENDOR) CHAD CATLIN (PURCHASER)	FEE, TLE, AR	0.899	---	0.899	0.296	---
62	CHAD CATLIN	FEE, TLE, AR	0.420	---	0.420	0.592	---
64	ROYAL J. LUNDE AND MARIE Z. LUNDE	FEE, TLE, AR	1.187	0.011	1.198	0.058	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

PARCEL NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

(202) WISCONSIN POWER AND LIGHT COMPANY
DOC.654244 - PARCEL 64
NO EASEMENT OF RECORD - PARCEL 56, 58, 59

(205) AT&T WISCONSIN (WISCONSIN BELL, INC)
NO EASEMENT OF RECORD - PARCEL 56, 58, 59, 61, 64

SIGN NUMBER	SIGN OWNER	OASIS NO.
56-1	ADAMS OUTDOOR ADVERTISING ROSE INVESTMENTS, LLC	NONE

WISCONSIN
JAMES M. BAKER
S-2530
NEW GLARUS
WI
LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.20 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 3/16/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE
Orchids Trees Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 3/18/2016 DATE

4

PLOT NAME : PLOT SCALE : 1.000000000000 PLOT BY : OTIE PLOT DATE : 3/16/2016 2:01 PM
FILE NAME : P:\2012026_TH 39\CIVIL\3D\RW\PLAT\1007123-040120_A1_RP.DWG
APPRAISAL PLAT DATE : 3/16/2016

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

PLE STATION & OFFSET TABLE			
P2023	88+65.00	'NN'	70.84'
P2024	88+65.00	'NN'	105.00'
P2025	88+85.00	'NN'	105.00'
P2026	88+85.00	'NN'	69.86'

PLE COURSE TABLE		
P2023-P2024	S87°30'26"W	34.16'
P2024-P2025	N2°29'34"W	20.00'
P2025-P2026	N87°30'26"E	35.14'

R/W COURSE TABLE		
2001-2002	N7°10'58"W	1.67'
2002-2003	N39°19'17"W	32.75'
2003-2004	N23°12'44"W	163.98'
2004-2005	N38°36'04"W	389.81'
2005-2006	N80°11'37"W	228.04'
2006-2007	N52°08'04"W	225.61'
2007-2008	N32°20'18"W	510.42'
2008-2009	N51°48'17"W	248.55'
2010-2011	N5°55'34"W	112.81'
2011-2012	N11°17'04"W	63.13'
2012-2013	N60°24'33"E	32.93'
2013-2014	N12°01'08"W	24.77'
2014-2015	N12°01'08"W	159.45'
2015-2016	N12°01'08"W	128.54'
2016-2017	N62°09'05"W	40.00'
2017-2018	S88°11'34"W	153.29'
2018-2019	N12°15'20"W	71.91'
2019-2020	N29°38'18"E	69.62'
2020-2021	N88°19'08"E	231.06'
2021-2022	N8°17'54"E	93.27'
2022-P2023	N0°19'02"E (S00°25'20"W)	352.82'
P2023-P2026	N0°19'02"E (S00°25'20"W)	20.02'
P2026-2027	N0°19'02"E (S00°25'20"W)	94.33'
2027-2001	N7°10'58"W	116.23'

R/W STATION & OFFSET TABLE			
2001	91+03.26	'NN'	64.07'
2002	91+05.00	'NN'	64.00'
2003	91+35.00	'NN'	80.00'
2004	93+00.00	'NN'	110.00'
2005	2292+80.00		600.00'
2006	2295+00.00		660.00'
2007	2297+20.00		610.00'
2008	2301+50.00		335.00'
2009	2303+92.04		278.52'
2010	77+53.11	'NN'	67.60'
2011	78+65.24	'NN'	80.00'
2012	79+35.00	'NN'	90.00'
2013	79+50.00	'NN'	60.00'
2014	79+76.70	'NN'	62.29'
2015	81+29.53	'NN'	79.91'
2016	81+90.00	'NN'	135.00'
2017	81+90.00	'NN'	175.00'
2018	81+70.00	'NN'	315.00'
2019	81+85.00	'NN'	355.00'
2020	84+50.00	'NN'	340.00'
2021	84+30.00	'NN'	110.00'
2022	85+12.60	'NN'	88.14'
2027	89+81.87	'NN'	64.00'

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368501), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S.0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5176318
08/13/2015 11:22 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

190

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.20
AMENDMENT NO:_____

1007-10-23-4.20

TOWN

SEE TPP 1007-10-23-4.23

SEE TPP 1007-10-23-4.21

1/16 LINE

STA. 2299+51.14/STA. 104+60.93'NN'

N88°30'29"E, 788.67' RL TO RL

N88°30'29"E, 517.31' TRAV. PNT. TO RL

N88°30'29"E, 23.60' RL TO TRAV. PNT.

I-39/90

RL=N64°56'18"W

EXISTING RL FOR PROJECT I-90-3(29)140

RL=N24°09'23"E

STA. 2290+56.96

PT: 103+22.12'NN'

PI: 102+84.61'NN'

PC: 102+43.33'NN'

PI STA = 102+84.61'NN'
Y = 456492.030
X = 870298.941
DELTA = 42°11'28" RT
D = 53°32'51"
T = 41.28'
L = 78.79'
R = 107.00'
PC STA = 102+43.33'NN'
PT STA = 103+22.12'NN'

PI STA = 98+46.31'NN'
Y = 456053.654
X = 870296.901
DELTA = 7°48'13" RT
D = 14°17'18"
T = 27.35'
L = 54.62'
R = 401.00'
PC STA = 98+18.96'NN'
PT STA = 98+73.57'NN'

PI: 97+64.84'NN'
Y = 455972.885
X = 870307.587
DELTA = 20°37'48" LT

STA. 2291+75.26/
STA. 100+92.53'NN'
Y = 456299.956
X = 870298.047

RL=N0°16'00"E

100'NN'

PI STA = 95+46.12'NN'
Y = 455760.869
X = 870243.277
DELTA = 44°44'15" RT
D = 51°09'25"
T = 46.09'
L = 87.45'
R = 112.00'
PC STA = 95+00.03'NN'
PT STA = 95+87.48'NN'

PI STA = 90+60.83'NN'
Y = 455287.531
X = 870354.015
DELTA = 10°42'20" LT
D = 3°46'46"
T = 142.04'
L = 283.26'
R = 1516.00'
PC STA = 89+18.78'NN'
PT STA = 92+02.04'NN'

PI STA = 84+78.33'NN'
Y = 454705.539
X = 870379.299
DELTA = 4°46'10" RT
D = 6°57'12"
T = 34.32'
L = 68.59'
R = 824.00'
PC STA = 84+44.01'NN'
PT STA = 85+12.60'NN'

B-13-143
B-13-720 REQ'D.

GEODETIC MON. DF9960

PT: 98+73.57'NN'
PI: 98+46.31'NN'
PC: 98+18.96'NN'

RL=N7°32'13"W

PI: 97+64.84'NN'

RL=N13°05'35"E

1/4 LINE

PT: 95+87.48'NN'
PI: 95+46.12'NN'
PC: 95+00.03'NN'

RL=N13°09'49"W

PT: 92+02.04'NN'

C-13-06
C-13-3081 REQ'D.

ALUMINUM MONUMENT FOUND
Y = 455385.412
X = 873084.307

S88°38'01"W, 2684.50' MON TO MON

PK NAIL FOUND
Y = 457978.125
X = 870413.845

S0°17'11"W, 1328.38' MON TO TRAV. PNT.

S0°17'11"W, 339.82' TRAV. PNT. TO RL

S0°17'11"W, 328.45' RL TO MON

S0°17'11"W, 1322.11' MON TO TRAV. PNT.

S0°17'11"W, 1322.11' MON TO TRAV. PNT.

S0°17'11"W, 1322.11' MON TO TRAV. PNT.

N0°16'06"E, 52.07' R/W TO TRAV. PNT.

N88°38'01"E, 2535.35' MON TO R/W

ALUMINUM MONUMENT FOUND
Y = 455258.022
X = 867743.174

STA. 90+94.17'NN'

N88°38'01"E, 54.19' TRAV. PNT. TO PT

N88°38'01"E, 68.60' R/W TO TAN.

N88°38'01"E, 54.19' TAN. TO MON

S88°38'01"W, 2684.50' MON TO MON

CALCULATED POSITION SURVEY BY GEORGE A. WEIR, S-0843 (REV. 9/27/1971)
Y = 455321.403
X = 870400.566

SEE TPP 1007-10-23-4.19

PC: 89+18.78'NN'

RL=N2°29'34"W

PT: 90+60.83'NN'

PC: 85+12.60'NN'

PT: 84+78.33'NN'

PC: 84+44.01'NN'

RL=N7°15'44"W

PT: 83+71.85'NN'

RL=N16°05'15"E

PT: 82+17.99'NN'

PI: 81+76.21'NN'

PC: 81+29.53'NN'

RL=N3°05'17"W

PI: 80+63.72'NN'

RL=N7°39'48"W

PT: 79+76.70'NN'

PI: 79+21.06'NN'

PC: 78+65.24'NN'

RL=N0°19'11"E

PI STA = 79+21.06'NN'
Y = 454163.589
X = 870343.891
DELTA = 7°58'59" LT
D = 7°09'43"
T = 55.82'
L = 111.47'
R = 800.00'
PC STA = 78+65.24'NN'
PT STA = 79+76.70'NN'

PI STA = 81+76.21'NN'
Y = 454417.482
X = 870318.783
DELTA = 45°15'22" RT
D = 51°09'25"
T = 46.69'
L = 88.46'
R = 112.00'
PC STA = 81+29.53'NN'
PT STA = 82+17.99'NN'

PI: 80+63.72'NN'
Y = 454305.152
X = 870324.843
DELTA = 4°34'31" RT

PI: 83+71.85'NN'
Y = 454599.920
X = 870392.759
DELTA = 23°20'59" LT

S88°24'33"W, 67.63' RL TO R/W

S88°24'33"W, 51.01' TRAV. PNT. TO RL

PK NAIL FOUND
Y = 452677.217
X = 870387.350

STA.77+55.36'NN'

1/16 LINE

PLEASANT SPRINGS

SEE TPP 1007-10-23-4.18

SE-NW

NE-SW

GN

SCALE, FEET

0 100 200

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP2080	456615.141	869078.082	1" IRON ROD
IP2081	455917.022	869931.442	1" IRON PIPE
IP2082	455655.445	870212.965	1" IRON PIPE
IP2083	455314.700	870293.445	PK NAIL
IP2084	455114.663	870292.051	1" IRON PIPE
IP2085	454621.673	870289.633	0.75" REBAR
IP2086	454555.635	870289.268	1" IRON PIPE
IP2087	453996.182	870285.850	1" IRON PIPE
IP2088	454546.480	869900.509	NAIL
IP2089	454725.761	869901.034	0.75" REBAR
IP2090	454729.222	870029.811	0.75" REBAR
IP2091	455107.308	869903.470	1" IRON PIPE
IP2092	455107.745	869898.303	1.25" IRON PIPE
IP2093	455105.753	869815.646	1.50" IRON PIPE
IP2094	455305.751	869811.747	0.75" REBAR
IP2095	455306.910	869899.025	1" IRON PIPE
IP2096	455307.161	869899.143	0.75" IRON PIPE
IP2097	455308.030	869943.518	1.25" IRON PIPE
IP2098	456010.959	869797.541	1.50" IRON PIPE

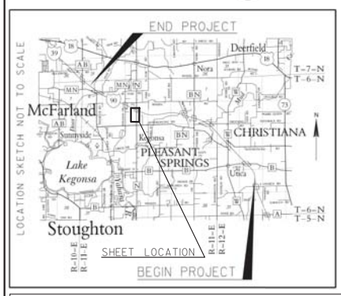
TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.20

THAT PART OF LOT 1 AND LOT 2, CSM 11192 AND THAT PART OF LOT 2 AND LOT 3 OF CSM 3667, LOCATED IN THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



TLE STATION & OFFSET TABLE			
T2050	2293+25.00		612.27'
T2051	92+90.00	'NN'	415.00'
T2052	92+45.00	'NN'	505.00'
T2053	93+15.00	'NN'	865.00'
T2054	92+55.00	'NN'	875.00'
T2055	91+40.00	'NN'	395.00'
T2056	2292+20.00		725.00'
T2057	2291+75.00		651.98'
T2058	94+50.00	'NN'	181.35'
T2059	94+45.00	'NN'	190.00'
T2060	93+00.00	'NN'	120.00'
T2061	90+75.00	'NN'	75.00'
T2062	88+85.00	'NN'	90.00'
T2063	88+65.00	'NN'	90.00'
T2064	87+95.00	'NN'	74.28'
T2065	84+70.00	'NN'	235.00
T2066	84+75.00	'NN'	335.00'
T2067	82+85.00	'NN'	350.38'
T2068	82+75.00	'NN'	375.00'
T2069	81+65.00	'NN'	325.00'
T2070	81+85.00	'NN'	165.00'
T2071	81+35.00	'NN'	95.00
T2072	77+52.44	'NN'	87.62
T2073	2303+70.41		325.36'

TLE - GRADING 0.116 AC.
TLE - GRADING 0.592 AC.
TLE - GRADING 0.040 AC.
TLE - GRADING 0.307 AC.
TLE - GRADING 0.018 AC.
TLE - GRADING 0.202 AC.
TLE - GRADING 0.083 AC.
TLE - GRADING 0.063 AC.
TLE - GRADING 0.233 AC.
TLE - GRADING 0.019 AC.
TLE - GRADING 0.003 AC.
TLE - GRADING 0.015 AC.
TLE - GRADING 0.276 AC.
TLE - GRADING 0.016 AC.
TLE - GRADING 0.330 AC.
PLE - DRAINAGE 0.016 AC.

LANDLOCKED 0.398 AC.
LANDLOCKED 1.537 AC.
LANDLOCKED 2.146 AC.
0.028 AC. REM.
0.028 AC. REM.

50' INGRESS/EGRESS EASEMENT DOC.4282015
INGRESS/EGRESS EASEMENT DOC.1306260
ACCESS EASEMENT AGREEMENT - PARCEL 59 & 60, DOC.5167854
VARIABLE WIDTH JOINT DRIVEWAY EASEMENT DOC.3908381

LOT 3 CSM 3667 V.15, P.69-70 DOC.1700857
LOT 1 CSM 1192 V.67, P.242-245 DOC.3973924
LOT 2 CSM 1192 V.67, P.242-245 DOC.3973924
LOT 2 CSM 3667 V.15, P.69-70 DOC.1700857

CTH N

SCHEDULE OF LANDS & INTERESTS REQUIRED							
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.							
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
40	LUNDE FARMS, INC.	FEE, TLE	3.427	---	3.427	0.423	---
56	ROSE INVESTMENTS, LLC ADAMS OUTDOOR ADVERTISING	FEE, TLE	0.677	1.388	2.065	0.330	---
57	KOUA VANG AND DIA M. VANG	TLE	---	---	---	0.202	---
58	FRANK L. KNIPFER AND KEVIN F. KNIPFER	FEE, TLE	0.410	0.164	0.574	0.016	---
59	THE MARVIN K. AND ANNETTE M. TOMLINSON REVOCABLE TRUST (VENDOR) GOLDEN GREEN PROPERTIES LLC (PURCHASER)	FEE, TLE, PLE	0.138	1.220	1.358	0.294	0.016
60	WISCONSIN FUEL LLC	FEE, TLE, AR	0.019	0.494	0.513	0.102	---
61	LAD OF JANESVILLE, INC. (VENDOR) CHAD CATLIN (PURCHASER)	FEE, TLE, AR	0.899	---	0.899	0.296	---
62	CHAD CATLIN	FEE, TLE, AR	0.420	---	0.420	0.592	---
64	ROYAL J. LUNDE AND MARIE Z. LUNDE	FEE, TLE	1.187	0.011	1.198	0.058	---
	ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED						

UTILITY SCHEDULE & INTERESTS REQUIRED		
PARCEL NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

(202) WISCONSIN POWER AND LIGHT COMPANY
DOC.654244 - PARCEL 64
NO EASEMENT OF RECORD - PARCEL 56, 58, 59

(205) AT&T WISCONSIN (WISCONSIN BELL, INC)
NO EASEMENT OF RECORD - PARCEL 56, 58, 59, 61, 64

SIGN NUMBER	SIGN OWNER	OASIS NO.
56-1	ADAMS OUTDOOR ADVERTISING ROSE INVESTMENTS, LLC	NONE

WISCONSIN
JAMES M. BAKER
S-2530
NEW GLARUS
WI
LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.20 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE
REGISTRATION NUMBER: S-2530

7/21/2015
DATE

OTIE
Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER

8/11/2015
DATE

4

PLOT NAME : PLOT SCALE : ==========
PLOT BY : OTIE
PLOT DATE : 7/21/2015 4:18 PM
PLOT DATE :
FILE NAME : P:\2012026_IH 39\CIVIL\30\RW\PLAT\TPP SUBMITTED FOR RECORDING\1007-10-23-4.20_RP.DWG
APPRAISAL PLAT DATE : 7/21/2015

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5241997
06/14/2016 11:27 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.21
AMENDMENT NO: 2

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.21
AMENDMENT NO. 2

AMENDS UTILITY INTEREST 202 OF TPP 1007-10-23-4.21 RECORDED AS DOCUMENT NUMBER 5155276. THAT PART OF LOT 1, CSM 7687, AND THAT PART OF LOT 1, CSM 7805, ALL LOCATED IN THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368501), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RINDEN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 2589 AND CSM 7650.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	TLE ACRES	PLE ACRES
36	AMERICAN TRANSMISSION COMPANY LLC	FEE & TLE	1.610	0.730	2.340	0.048	---
38	TERRY K. ROGERS & DONNA J. ROGERS ADAMS OUTDOOR ADVERTISING LP	FEE & TLE	0.104	1.592	1.696	0.022	---
39	GERALD L. KISSINGER & KAY Z. KISSINGER THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	FEE, AR & TLE	0.601	0.802	1.403	0.356	---
40	LUNDE FARMS, INC.	FEE	0.078	---	0.078	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

R/W COURSE TABLE

2101-2102	S73°07'48"W	171.16'
2102-2103	S89°01'09"W	200.50'
2103-2104	S0°26'57"W	231.90'
2104-2105	S3°20'04"E	427.00'
2105-2106	S3°05'37"E	210.79'
2106-2107	S4°01'26"E	78.23'
2107-2108	S4°01'26"E	229.71'
2108-2109	S64°56'19"E	161.84'
2110-2111	S76°37'38"E	1113.97'
2111-2112	N21°06'34"E	141.69'
2112-2113	N21°06'34"E	90.63'
2113-2114	N21°06'34"E	121.17'
2114-2115	N0°14'20"W	100.39'
2115-2116	N6°24'23"W	146.83'
2116-2117	N6°10'43"E	293.19'
2117-IP2186	N0°19'02"E (S00°25'44"W)	209.19'
IP2186-2118	N45°39'01"W (S45°32'35"E)	32.75'
2118-2119	N78°04'27"W	133.96'
2119-2120	S88°22'56"W	89.12'

R/W STATION & OFFSET TABLE

2101	130+65.00	'R'	34.49'
2102	129+00.00	'R'	80.00'
2103	117+20.00	'NN'	90.00'
2104	114+88.10	'NN'	90.00'
2105	110+55.27	'NN'	105.00'
2106	108+44.48	'NN'	105.00'
2107	107+64.57	'NN'	105.64'
2108	2291+65.00		475.00'
2109	2290+03.16		475.00'
2110	2306+00.87		173.56'
2111	2295+10.00		399.25'
2112	107+64.57	'NN'	172.49'
2113	108+44.48	'NN'	134.68'
2114	109+55.00	'NN'	85.00'
2115	110+55.27	'NN'	80.00'
2116	112+00.00	'NN'	90.00'
2117	114+88.10	'NN'	54.73'
IP2186	116+97.29	'NN'	55.21'
2118	117+20.00	'NN'	78.80'
2119	124+00.00	'R'	39.34'
2120	123+10.88	'R'	38.58'

TLE STATION & OFFSET TABLE

T2150	130+65.00	'R'	60.00'
T2151	108+25.00	'NN'	143.72'
T2152	108+30.00	'NN'	150.00'
T2153	109+55.00	'NN'	95.00'
T2154	110+45.00	'NN'	90.00'
T2155	110+45.00	'NN'	175.00'
T2156	112+00.00	'NN'	165.00'
T2157	124+00.00	'R'	55.00'

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP2180	456722.264	870425.449	0.50" IRON ROD
IP2181	457899.934	870431.717	0.75" REBAR
IP2182	457938.943	870470.255	ALUMINUM MON.
IP2183	457950.954	870661.076	ALUMINUM MON.
IP2184	457970.535	871447.633	1.25" IRON PIPE
IP2185	457934.092	870252.514	1.25" REBAR
IP2186	457880.160	870307.161	1.25" REBAR
IP2187	457430.494	870304.888	0.75" REBAR
IP2188	457102.597	870303.065	1.25" IRON PIPE
IP2189	456954.797	870277.685	1.25" IRON PIPE
IP2190	456772.963	870276.184	1.25" IRON PIPE
IP2191	456851.964	869946.187	0.75" REBAR
IP2192	456940.490	869576.534	0.75" REBAR
IP2193	456975.717	869430.114	0.75" REBAR
IP2194	456998.675	869334.755	0.75" REBAR
IP2195	456615.141	869078.082	1" IRON ROD

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY LLC
DOC.3282843 - PARCEL 36

(202) WISCONSIN POWER AND LIGHT COMPANY
V.146 P.456 DOC.631141 - PARCEL 36, EXISTING R/W
V.158 P.374 DOC.654244 - PARCEL 38, 39
V.468 P.413 DOC.1191497 - PARCEL 36

(205) AT&T WISCONSIN (WISCONSIN BELL, INC)
V.322 P.499 DOC.963667 - PARCEL 38

SIGN NUMBER	SIGN OWNER	OASIS NO.
38-1	ADAMS OUTDOOR ADVERTISING LP TERRY K. ROGERS & DONNA J. ROGERS	NONE
39-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE GERALD L. KISSINGER & KAY Z. KISSINGER	NONE

CALCULATED POSITION
SURVEY BY GEORGE A. WEIR, S-0843 (REV. 9/27/1971)
Y = 455321.403
X = 870400.566

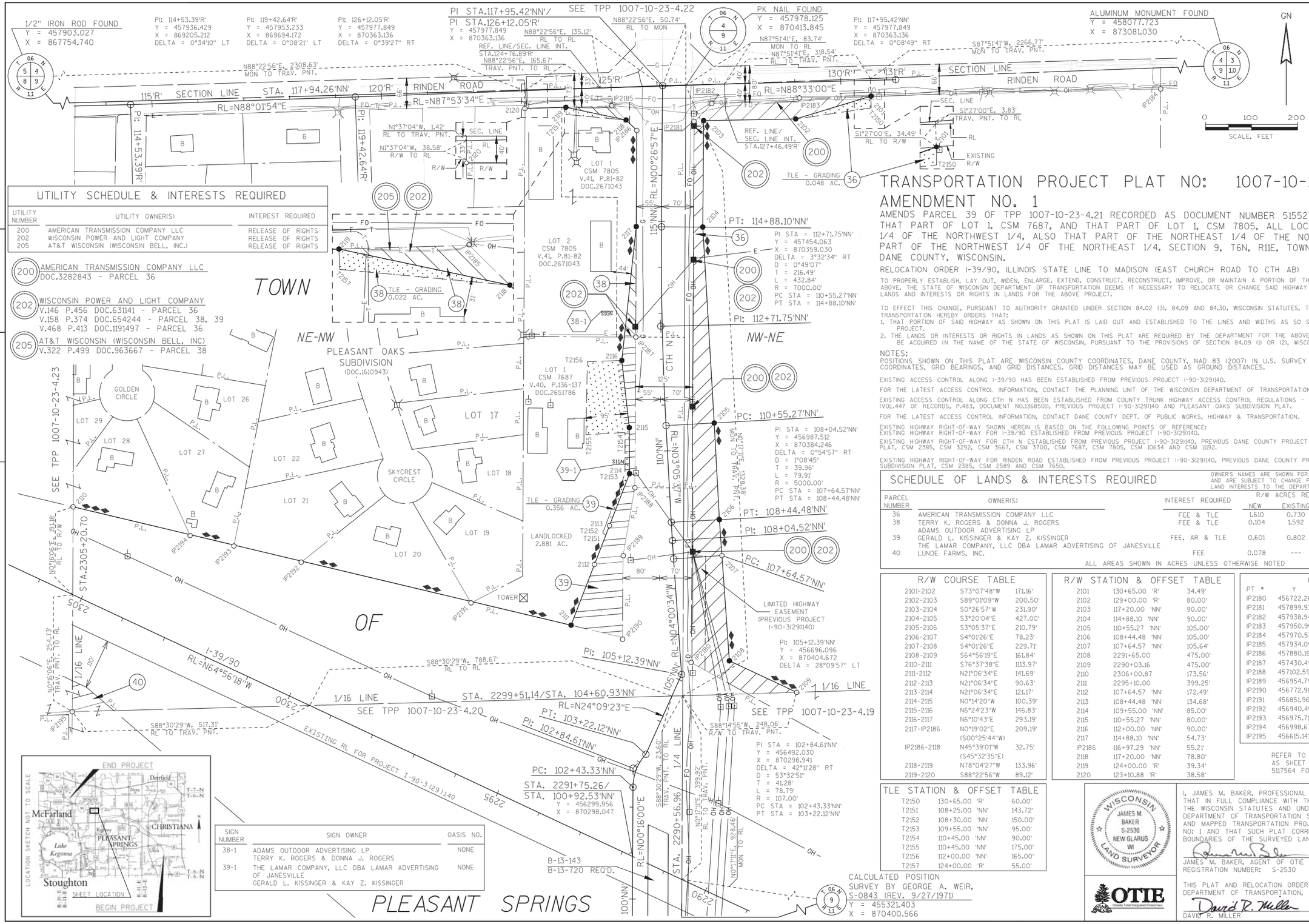
I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.21 AMENDMENT NO: 2 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 6/13/2016
REGISTRATION NUMBER: S-2530 — DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 6/14/2016
DATE

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE



TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.21 AMENDMENT NO. 1

AMENDS PARCEL 39 OF TPP 1007-10-23-4.21 RECORDED AS DOCUMENT NUMBER 5155276.
THAT PART OF LOT 1, CSM 7687, AND THAT PART OF LOT 1, CSM 7805, ALL LOCATED IN THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
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NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

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EXISTING HIGHWAY RIGHT-OF-WAY FOR RINDEN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 2589 AND CSM 7650.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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40	LUNDE FARMS, INC.	FEE	0.078	---	0.078	---	---

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EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
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IP2194	456998.675	869334.755	0.75" REBAR
IP2195	456615.141	869078.082	1" IRON ROD

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.21 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

JAMES M. BAKER, AGENT OF OTIE — 7/13/2015 DATE
REGISTRATION NUMBER: S-2530

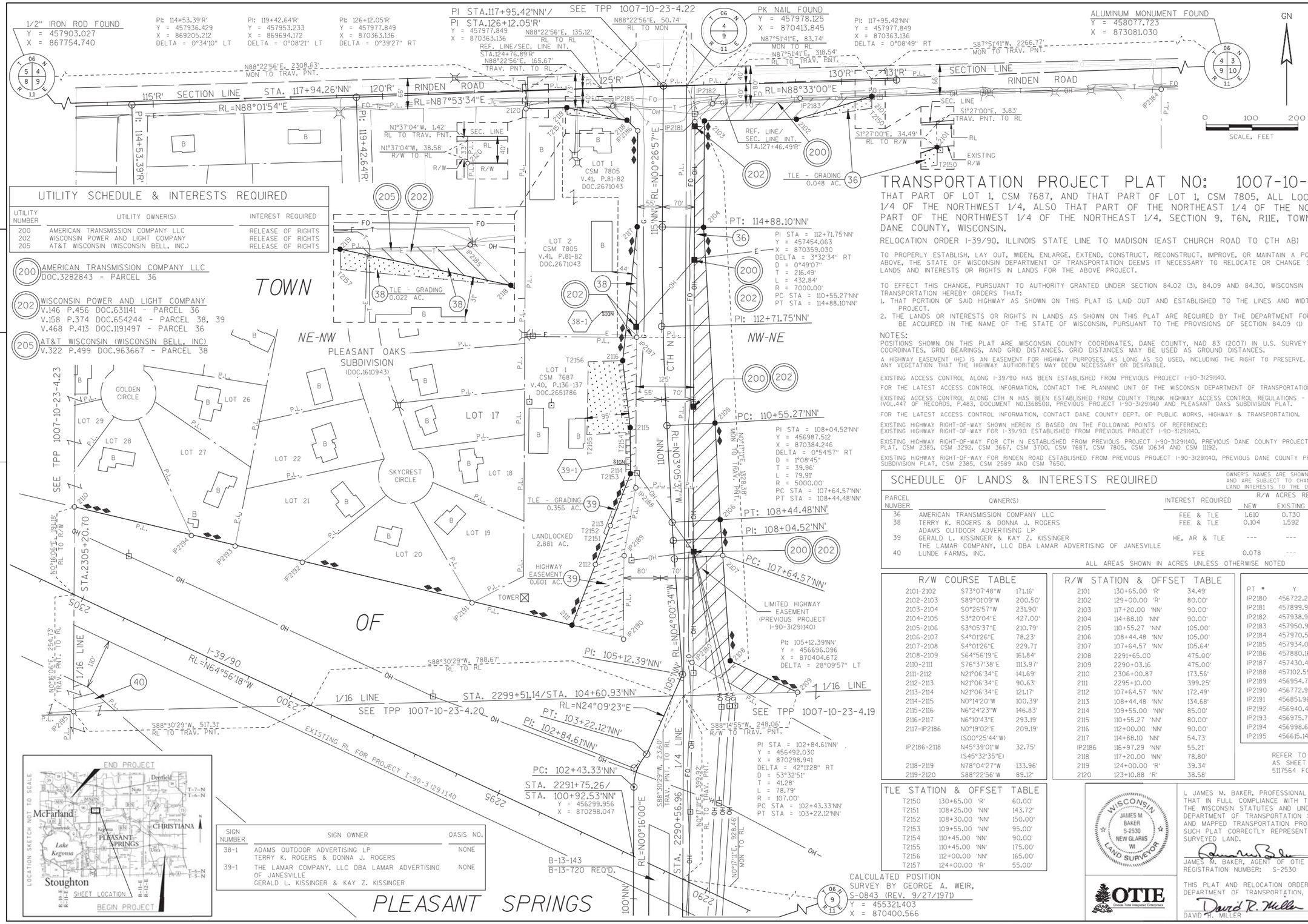
OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 7/14/2015 D

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040121_A1_RP.DWG
APPRAISAL PLAT DATE : 7/13/2015
PLOT DATE : 7/13/2015 4:30 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : ==========

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE



TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.21

THAT PART OF LOT 1, CSM 7687, AND THAT PART OF LOT 1, CSM 7805, ALL LOCATED IN THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 9, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

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NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368501), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

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EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S.0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RINDEN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S.0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 2589 AND CSM 7650.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	TLE ACRES	PLE ACRES	HE ACRES
36	AMERICAN TRANSMISSION COMPANY LLC	FEE & TLE	1.610	0.730	2.340	0.048	---	---
38	TERRY K. ROGERS & DONNA J. ROGERS ADAMS OUTDOOR ADVERTISING LP	FEE & TLE	0.104	1.592	1.696	0.022	---	---
39	GERALD L. KISSINGER & KAY Z. KISSINGER THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE	HE, AR & TLE	---	---	---	0.356	---	0.601
40	LUNDE FARMS, INC.	FEE	0.078	---	0.078	---	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

200 AMERICAN TRANSMISSION COMPANY LLC
DOC.3282843 - PARCEL 36

202 WISCONSIN POWER AND LIGHT COMPANY
V.146 P.456 DOC.631141 - PARCEL 36
V.158 P.374 DOC.654244 - PARCEL 38, 39
V.468 P.413 DOC.1191497 - PARCEL 36

205 AT&T WISCONSIN (WISCONSIN BELL, INC)
V.322 P.499 DOC.963667 - PARCEL 38

R/W COURSE TABLE

2101-2102	S73°07'48"W	171.16'
2102-2103	S89°01'09"W	200.50'
2103-2104	S0°26'57"W	231.90'
2104-2105	S3°20'04"E	427.00'
2105-2106	S3°05'37"E	210.79'
2106-2107	S4°01'26"E	78.23'
2107-2108	S4°01'26"E	229.71'
2108-2109	S64°56'19"E	161.84'
2110-2111	S76°37'38"E	1113.97'
2111-2112	N21°06'34"E	141.69'
2112-2113	N21°06'34"E	90.63'
2113-2114	N21°06'34"E	121.17'
2114-2115	N0°14'20"W	100.39'
2115-2116	N6°24'23"W	146.83'
2116-2117	N6°10'43"E	293.19'
2117-IP2186	N0°19'02"E (S00°25'44"W)	209.19'
IP2186-2118	N45°39'01"W (S45°32'35"E)	32.75'
2118-2119	N78°04'27"W	133.96'
2119-2120	S88°22'56"W	89.12'

R/W STATION & OFFSET TABLE

2101	130+65.00	'R'	34.49'
2102	129+00.00	'R'	80.00'
2103	117+20.00	'NN'	90.00'
2104	114+88.10	'NN'	90.00'
2105	110+55.27	'NN'	105.00'
2106	108+44.48	'NN'	105.00'
2107	107+64.57	'NN'	105.64'
2108	2291+65.00		475.00'
2109	2290+03.16		475.00'
2110	2306+00.87		173.56'
2111	2295+10.00		399.25'
2112	107+64.57	'NN'	172.49'
2113	108+44.48	'NN'	134.68'
2114	109+55.00	'NN'	85.00'
2115	110+55.27	'NN'	80.00'
2116	112+00.00	'NN'	90.00'
2117	114+88.10	'NN'	54.73'
IP2186	116+97.29	'NN'	55.21'
2118	117+20.00	'NN'	78.80'
2119	124+00.00	'R'	39.34'
2120	123+10.88	'R'	38.58'

TLE STATION & OFFSET TABLE

T2150	130+65.00	'R'	60.00'
T2151	108+25.00	'NN'	143.72'
T2152	108+30.00	'NN'	150.00'
T2153	109+55.00	'NN'	95.00'
T2154	110+45.00	'NN'	90.00'
T2155	110+45.00	'NN'	175.00'
T2156	112+00.00	'NN'	165.00'
T2157	124+00.00	'R'	55.00'

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP2180	456722.264	870425.449	0.50" IRON ROD
IP2181	457899.934	870431.717	0.75" REBAR
IP2182	457938.943	870470.255	ALUMINUM MON.
IP2183	457950.954	870661.076	ALUMINUM MON.
IP2184	457970.535	871447.633	1.25" IRON PIPE
IP2185	457934.092	870252.514	1.25" REBAR
IP2186	457880.160	870307.161	1.25" REBAR
IP2187	457430.494	870304.888	0.75" REBAR
IP2188	457102.597	870303.065	1.25" IRON PIPE
IP2189	456954.797	870277.685	1.25" IRON PIPE
IP2190	456772.963	870276.184	1.25" IRON PIPE
IP2191	456851.964	869946.187	0.75" REBAR
IP2192	456940.490	869576.534	0.75" REBAR
IP2193	456975.717	869430.114	0.75" REBAR
IP2194	456998.675	869334.755	0.75" REBAR
IP2195	456615.141	869078.082	1" IRON ROD

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

SIGN NUMBER	SIGN OWNER	OASIS NO.
38-1	ADAMS OUTDOOR ADVERTISING LP TERRY K. ROGERS & DONNA J. ROGERS	NONE
39-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE GERALD L. KISSINGER & KAY Z. KISSINGER	NONE

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/21/2015
REGISTRATION NUMBER: S-2530 — DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/28/2015
DATE

. KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5155276
06/01/2015 11:25 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.21
AMENDMENT NO:___

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040121_RP.DWG
APPRAISAL PLAT DATE : 5/21/2015
PLOT DATE : 5/21/2015 1:13 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : **********

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.22

THAT PART OF LOT 1, CSM 2385, LOCATED IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF VACATED WAYNE JACOBSON DRIVE LOCATED IN THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 4, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG CTH N HAS BEEN ESTABLISHED FROM COUNTY TRUNK HIGHWAY ACCESS CONTROL REGULATIONS - CHAPTER 30 DANE COUNTY ORDINANCES (VOL.447 OF RECORDS, P.483, DOCUMENT NO.1368501), PREVIOUS PROJECT I-90-3(29)140 AND PLEASANT OAKS SUBDIVISION PLAT.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT DANE COUNTY DEPT. OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH N ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 3292, CSM 3667, CSM 3700, CSM 7687, CSM 7805, CSM 10634 AND CSM 11192.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RINDEN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 2589 AND CSM 7650.

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
214	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

200 AMERICAN TRANSMISSION COMPANY, LLC
DOC.3282843 - PARCEL 41

202 WISCONSIN POWER AND LIGHT COMPANY
V.147 P.315 DOC.632508 - PARCEL 41

214 CHARTER COMMUNICATIONS
NO EASEMENT OF RECORD - PARCEL 41

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
41	THE TRUSTEES OF THE T. WESLEY SKAAR AND LOIS M. SKAAR REVOCABLE TRUST, AND SKAAR SCATTERED ACRES, INC.	FEE	0.433	0.602	1.035	---	---
42	DANIEL J. SPILDE & KENT D. SPILDE	FEE & PLE	0.501	2.295	2.796	---	0.270
43	MARK A. WUSTRACK & KIM R. WUSTRACK	FEE & PLE	0.169	0.845	1.014	---	0.019

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5150146
05/11/2015 8:51 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.22
AMENDMENT NO:___

ALUMINUM MONUMENT FOUND
Y = 463398.619
X = 870458.075

STA. 131+41.88'NN' 1/16 LINE

1/16 LINE

S89°17'01"E, 50.19' RL TO TRAV. PNT.
S89°17'01"E, 58.80' R/W TO RL

S89°17'01"E, 11.01' TRAV. PNT. TO R/W

LIMITED HIGHWAY EASEMENT V.240 MISC., P.276 DOC.820093 (PREVIOUS DANE COUNTY PROJECT S_0249(1))

PLE - DRAINAGE 0.270 AC.

RL=N00°42'59"E

CTH N

1/4 LINE

LOT 1 CSM 3292 V.13, P.28-29 DOC.1639400

WAYNE JACOBSON DRIVE VACATED PER DOC.4804783

PI: 124+17.02'NN'
Y = 458599.439
X = 870366.413
DELTA = 0°24'51" RT

PI: 124+17.02'NN'

N0°28'03"E, 152.66' REF. LINE TO TRAV. PNT.

N0°28'03"W, 4267.01' MON TO TRAV. PNT.

R/W STATION AND OFFSET TABLE

2201	123+11.50 'R'	34.41'
2202	118+80.00 'NN'	90.00'
2203	119+75.00 'NN'	59.58'
2208	123+00.00 'NN'	58.03'
2209	124+17.02 'NN'	83.63'
2210	126+00.00 'NN'	125.00'
2214	129+50.00 'NN'	58.80'
2215	129+50.00 'NN'	61.20'
2216	127+50.00 'NN'	100.00'
2217	126+00.00 'NN'	62.07'
2218	124+16.79 'NN'	62.52'
2219	121+80.00 'NN'	61.40'
2220	118+80.00 'NN'	90.00'
2221	130+65.00 'R'	31.51'

R/W COURSE TABLE

2201-2202	N73°46'24"E	220.86'
2202-2203	N18°03'36"E	99.75'
2203-P2204	N0°34'26"E	115.00'
P2204-P2207	N0°34'26"E	40.00'
P2207-2208	N0°34'26"E	170.00'
2208-2209	N12°00'14"W	120.08'
2209-2210	N12°00'14"W	187.90'
2210-P2213	N11°25'36"E	203.55'
P2213-2214	N11°25'36"E	152.66'
2215-2216	S10°15'47"E	203.73'
2216-2217	S14°54'28"W	154.72'
2217-2218	S0°34'26"W	182.76'
2218-2219	S0°34'26"W	236.79'
2219-2220	S05°08'38"E	301.36'
2220-2221	S83°30'28"E	363.89'

PLE STATION AND OFFSET TABLE

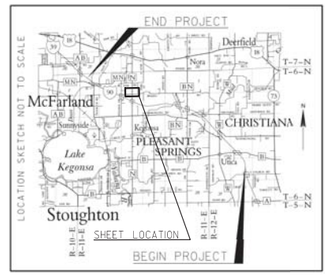
P2204	120+90.00 'NN'	59.03'
P2205	120+90.00 'NN'	80.00'
P2206	121+30.00 'NN'	80.00'
P2207	121+30.00 'NN'	58.84'
P2211	126+00.00 'NN'	165.00'
P2212	128+00.00 'NN'	165.00'
P2213	128+00.00 'NN'	87.17'

PLE COURSE TABLE

P2204-P2205	N89°41'52"W	20.97'
P2205-P2206	N0°18'08"E	40.00'
P2206-P2207	S89°41'52"E	21.16'
2210-P2211	N89°17'01"W	40.00'
P2211-P2212	N0°42'59"E	200.00'
P2212-P2213	S89°17'01"E	77.83'

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP2280	458664.698	870430.282	0.75" REBAR
IP2281	459323.172	870328.505	2" IRON PIPE
IP2282	458434.047	870299.878	1.25" IRON PIPE
IP2283	458065.089	870301.971	1" IRON PIPE
IP2284	458006.670	870245.472	1" IRON PIPE
IP2285	457995.945	869876.959	1" IRON PIPE



PLEASANT SPRINGS

SE-SW

SW-SE

TOWN

PI STA.117+95.42'NN'/
PI STA.126+12.05'R'
Y = 457977.849
X = 870363.136

PI: 117+95.42'NN'
Y = 457977.849
X = 870363.136
DELTA = 0°08'49" RT

PI: 126+12.05'R'
Y = 457977.849
X = 870363.136
DELTA = 0°39'27" RT

REF. LINE/ SEC. LINE INT. STA.117+94.26'NN'

1/4 LINE

REF. LINE/ 1/4 LINE INT. STA.126+62.79'R'

SEC. LINE

N0°28'03"E, 1.01' MON TO RL

N0°26'57"E, 1.16' TRAV. PNT. TO PI

1/16 LINE

GN

0 100 200
SCALE, FEET

PI: 114+53.39'R'
Y = 457936.429
X = 869205.212
DELTA = 0°34'10" LT

PI: 119+42.64'R'
Y = 457953.233
X = 869694.172
DELTA = 0°08'21" LT

SEE TPP 1007-10-23-4.23

STA. 113+32.40'R' 1/16 LINE

PI: 114+53.39'R'

PI: 119+42.64'R'

LOT 1 CSM 7650 V.40, P.43 DOC.2644230

LOT 1 CSM 2385 V.9, P.269 DOC.1516972

PLE - DRAINAGE 0.019 AC.

RL=N00°18'08"E

PK NAIL FOUND
Y = 457,978.125
X = 870,413.845

ALUMINUM MONUMENT FOUND
Y = 458077.723
X = 873081.030

S87°51'41"W, 2266.77' MON TO TRAV. PNT.

SECTION LINE

RINDEN ROAD

RL=N88°01'54"E

RL=N87°53'34"E

RL=N88°33'00"E

115'R'

120'R'

125'R'

130'R'

131'R'

N88°22'56"E, 2308.63' MON TO TRAV. PNT.

S88°22'56"W, 165.67' RL TO TRAV. PNT.

REF. LINE/ SEC. LINE INT. STA.124+76.89'R'

S88°22'56"W, 135.12' RL TO RL

N1°37'04"W, 33.00' TRAV. PNT. TO R/W

S1°37'04"E, 1.42' TRAV. PNT. TO RL

SEC. LINE

CTH N

RL=N00°26'57"E

S88°22'56"W, 50.74' MON TO RL

REF. LINE/ SEC. LINE INT. STA.127+46.49'R'

S87°51'41"W, 318.54' TRAV. PNT. TO RL

S87°51'41"W, 83.74' RL TO MON

N0°17'11"E, 2656.76' MON TO MON

S1°27'00"E, 27.68' R/W TO TRAV. PNT.

S1°27'00"E, 3.83' TRAV. PNT. TO RL

1/2" IRON ROD FOUND
Y = 457903.027
X = 867754.740

CALCULATED POSITION SURVEY BY GEORGE A. WEIR, S-0843 (REV. 9/27/1971)
Y = 455321.403
X = 870400.566

SEE TPP 1007-10-23-4.21

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.22 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE
REGISTRATION NUMBER: S-2530
5/7/2015 DATE

OTIE Onsida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER
5/7/2015 DATE

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040122_RP.DWG
APPRAISAL PLAT DATE : 5/7/2015
PLOT DATE : 5/7/2015 9:07 AM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : **********

1007-10-23-4.22

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

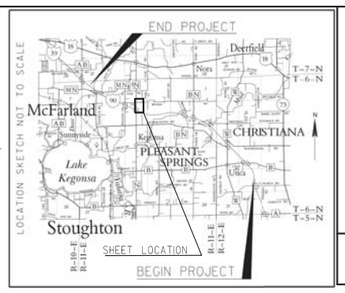
TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.23
AMENDMENT NO. 1

AMENDS PARCELS 40 & 45 AND ADDS EASEMENT DOCUMENT NUMBER 963667 TO UTILITY NUMBER 205 OF TPP 1007-10-23-4.23 RECORDED AS DOCUMENT NUMBER 5119654.
THAT PART OF LOT 1, CSM 6287, LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF OUTLOT 1, PLEASANT OAKS SUBDIVISION, LOCATED IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 9, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 IN SECTION 4, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5150145
05/11/2015 8:45 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

195

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.23
AMENDMENT NO: 1

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG WILLIAMS DRIVE HAS BEEN ESTABLISHED FROM PLEASANT OAKS SUBDIVISION PLAT.

EXISTING ACCESS CONTROL ALONG RINDEN ROAD HAS BEEN ESTABLISHED FROM PLEASANT OAKS SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RINDEN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 2589 AND CSM 7650.

EXISTING HIGHWAY RIGHT-OF-WAY FOR WILLIAMS DRIVE ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PLEASANT OAKS SUBDIVISION PLAT, CSM 800, CSM 6287 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR LUNDE LANE ESTABLISHED FROM DOC.4439138 AND EXISTING CENTER LINE.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
40	LUNDE FARMS, INC	FEE, TLE	1.218	---	1.218	0.163	---
42	DANIEL J. SPILDE AND KENT D. SPILDE	FEE	0.201	0.279	0.480	---	---
44	M&W OLSON, A WISCONSIN PARTNERSHIP	FEE, TLE	0.212	0.123	0.335	0.020	---
45	RAY A. PETERSON	FEE, PLE, AR	0.022	---	0.022	---	0.110

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
204	ANR PIPELINE	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS
238	WINDSTREAM	RELEASE OF RIGHTS

200 AMERICAN TRANSMISSION COMPANY, LLC
DOC.4752113 - PARCEL 44

204 ANR PIPELINE
DOC.1139145 - PARCEL 40, 44

205 AT&T WISCONSIN (WISCONSIN BELL, INC.)
DOC.963667 - PARCEL 40

238 WINDSTREAM
DOC.963667 - PARCEL 44

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

ALUMINUM MONUMENT FOUND
Y = 460589.469
X = 867783.099

1/2" IRON ROD FOUND
Y = 457903.027
X = 867754.740

PK NAIL FOUND
Y = 457978.125
X = 870413.845

ALUMINUM MONUMENT FOUND
Y = 455258.022
X = 867743.174

PI: STA.55+00.31'WD/ 100+00.00'R'
PI: 55+00.31'WD'
Y = 457898.464
X = 867752.322
DELTA = 0°24'43" RT

PI: 106+70.00'R'
Y = 457917.305
X = 868422.059
DELTA = 0°12'45" RT

PI: 46+00.89'WD'
Y = 456999.044
X = 867750.356
DELTA = 0°10'28" RT

STA.2319+86.55/ STA.50+92.64'WD'
Y = 457490.781
X = 867754.431

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP2380	456226.439	867780.409	1" IRON PIPE
IP2381	456558.080	867801.804	1.25" IRON PIPE
IP2382	456581.905	867801.964	1" IRON PIPE
IP2383	457132.415	868776.694	60D SPIKE
IP2384	457097.785	868921.396	0.75" REBAR
IP2385	457071.399	869030.417	0.75" REBAR
IP2386	456615.141	869078.082	1" IRON ROD
IP2387	456608.801	869065.754	1" IRON PIPE
IP2388	456603.588	869070.913	1" IRON PIPE

R/W STATION & OFFSET TABLE

2301	61+35.00 'WD'	36.12'
2302	56+75.00 'WD'	84.03'
2303	101+87.50 'R'	71.51'
2304	106+65.00 'R'	37.57'
2305	106+65.00 'R'	28.43'
2306	101+86.74 'R'	65.00'
2307	53+70.53 'WD'	120.12'
2308	2318+85.00	120.00'
2309	2313+00.00	110.20'
2310	2309+07.54	110.12'
2311	2306+00.87	173.56'
2312	2303+92.04	278.52'
2314	2306+00.00	230.00'
2315	2313+00.00	190.00'
2316	2318+11.91	180.00'
2317	46+00.89 'WD'	60.89'
2318	45+01.29 'WD'	52.76'
2319	44+35.23 'WD'	53.37'
IP2382	41+84.03 'WD'	53.79'
2320	40+28.47 'WD'	53.92'
IP2380	38+28.45 'WD'	34.09'

R/W COURSE TABLE

2301-2302	S5°24'32"E	462.49'
2302-2303	S45°45'44"E	139.23'
2303-2304	S87°32'41"E	478.70'
2305-2306	S84°00'59"W	479.66'
2306-2307	S44°18'59"W	98.28'
2307-2308	S5°57'05"E	213.09'
2308-2309	S63°58'44"E	585.08'
2309-2310	S64°55'35"E	392.46'
2310-2311	S76°37'38"E	313.17'
2312-P2313	N51°48'17"W	9.23'
P2313-P2323	N51°48'17"W	62.61'
P2323-2314	N51°48'17"W	141.70'
2314-2315	N61°40'05"W	701.14'
2315-2316	N63°49'10"W	512.01'
2316-2317	S4°57'44"W	255.90'
2317-2318	S4°57'44"W	100.03'
2319-IP2382	S0°15'02"W	251.20'
IP2382-2320	S0°15'02"W	155.55'
2320-IP2380	S5°57'40"W	201.00'

PLE COURSE TABLE

P2313-P2321	S0°13'28"W	53.53'
P2321-P2322	N53°36'50"W	152.77'
P2322-P2323	N88°45'06"E	74.01'

PLE STATION & OFFSET TABLE

P2313	2304+01.03	276.43'
P2321	2303+78.55	325.00'
P2322	2305+28.35	295.00'
P2323	2304+62.01	262.20'

TLE STATION & OFFSET TABLE

T2350	105+75.00 'R'	35.32'
T2351	105+75.00 'R'	50.00'
T2352	105+00.00 'R'	50.00'
T2353	105+00.00 'R'	41.05'
T2354	2317+95.00	180.33'
T2355	46+10.00 'WD'	65.00'
T2356	45+00.91 'WD'	65.00'
T2357	44+34.41 'WD'	80.00'
T2358	44+25.00 'WD'	80.00'
T2359	44+25.00 'WD'	53.58'
T2360	2303+70.41	325.36'

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.23 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/5/2015
REGISTRATION NUMBER: S-2530 — DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/6/2015
DATE

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040123_ALL_RP.DWG
APPRAISAL PLAT DATE : 5/5/2015
PLOT SCALE : 1:100
PLOT NAME :
PLOT BY : OTIE
PLOT DATE : 5/5/2015 11:17 AM
1007-10-23-4.23 AMENDMENT NO: 1

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.23

THAT PART OF LOT 1, CSM 6287, LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF OUTLOT 1, PLEASANT OAKS SUBDIVISION, LOCATED IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 9, ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 IN SECTION 4, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN

0 100 200

SCALE, FEET

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5119654
12/29/2014 10:48 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

196

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.23
AMENDMENT NO:

1007-10-23-4.23

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL ALONG WILLIAMS DRIVE HAS BEEN ESTABLISHED FROM PLEASANT OAKS SUBDIVISION PLAT.

EXISTING ACCESS CONTROL ALONG RINDEN ROAD HAS BEEN ESTABLISHED FROM PLEASANT OAKS SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR RINDEN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PREVIOUS DANE COUNTY PROJECT S_0249(1), PLEASANT OAKS SUBDIVISION PLAT, CSM 2385, CSM 2589 AND CSM 7650.

EXISTING HIGHWAY RIGHT-OF-WAY FOR WILLIAMS DRIVE ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PLEASANT OAKS SUBDIVISION PLAT, CSM 800, CSM 6287 AND EXISTING CENTER LINE.

EXISTING HIGHWAY RIGHT-OF-WAY FOR LUNDE LANE ESTABLISHED FROM DOC.4439138 AND EXISTING CENTER LINE.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
40	LUNDE FARMS INC	FEE, TLE	1.286	---	1.286	0.078	---
42	DANIEL J. SPILDE AND KENT D. SPILDE	FEE	0.201	0.279	0.480	---	---
44	M&W OLSON, A WISCONSIN PARTNERSHIP	FEE, TLE	0.212	0.123	0.335	0.020	---
45	RAY A. PETERSON	FEE	0.097	---	0.097	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
204	ANR PIPELINE	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS
238	WINDSTREAM	RELEASE OF RIGHTS

200 AMERICAN TRANSMISSION COMPANY, LLC
DOC.4752113 - PARCEL 44

204 ANR PIPLINE
DOC.1139145 - PARCEL 40, 44

205 AT&T WISCONSIN (WISCONSIN BELL, INC.)
PARCEL 40

238 WINDSTREAM
DOC.963667 - PARCEL 44

R/W COURSE TABLE

2301-2302	S5°24'32"E	462.49'
2302-2303	S45°45'44"E	139.23'
2303-2304	S87°32'41"E	478.70'
2305-2306	S84°00'59"W	479.66'
2306-2307	S44°18'59"W	98.28'
2307-2308	S5°57'05"E	213.09'
2308-2309	S63°58'44"E	585.08'
2309-2310	S64°55'35"E	392.46'
2310-2311	S76°37'38"E	313.17'
2312-2313	N53°20'43"W	149.28'
2313-2314	N29°56'46"W	95.91'
2314-2315	N61°40'05"W	701.14'
2315-2316	N63°49'10"W	512.01'
2316-2317	S4°57'44"W	255.90'
2317-2318	S4°57'44"W	100.03'
2319-IP2382	S0°15'02"W	251.20'
IP2382-2320	S0°15'02"W	155.55'
2320-IP2380	S5°57'40"W	201.00'

R/W STATION & OFFSET TABLE

2301	61+35.00 'WD'	36.12'
2302	56+75.00 'WD'	84.03'
2303	101+87.50 'R'	71.51'
2304	106+65.00 'R'	37.57'
2305	106+65.00 'R'	28.43'
2306	101+86.74 'R'	65.00'
2307	53+70.53 'WD'	120.12'
2308	2318+85.00	120.00'
2309	2313+00.00	110.20'
2310	2309+07.54	110.12'
2311	2306+00.87	173.56'
2312	2303+75.19	315.00'
2313	2305+21.43	285.00'
2314	2306+00.00	230.00'
2315	2313+00.00	190.00'
2316	2318+11.91	180.00'
2317	46+00.89 'WD'	60.89'
2318	45+01.29 'WD'	52.76'
2319	44+35.23 'WD'	53.37'
IP2382	41+84.03 'WD'	53.79'
2320	40+28.47 'WD'	53.92'
IP2380	38+28.45 'WD'	34.09'

TLE STATION & OFFSET TABLE

T2350	105+75.00 'R'	35.32'
T2351	105+75.00 'R'	50.00'
T2352	105+00.00 'R'	50.00'
T2353	105+00.00 'R'	41.05'
T2354	2317+95.00	180.33'
T2355	46+10.00 'WD'	65.00'
T2356	45+00.91 'WD'	65.00'
T2357	44+34.41 'WD'	80.00'
T2358	44+25.00 'WD'	80.00'
T2359	44+25.00 'WD'	53.58'

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
IP2380	456226.439	867780.409	1" IRON PIPE
IP2381	456581.080	867801.804	1.25" IRON PIPE
IP2382	456581.905	867801.964	1" IRON PIPE
IP2383	457132.415	868776.694	60D SPIKE
IP2384	457097.785	868921.396	0.75" REBAR
IP2385	457071.399	869030.417	0.75" REBAR
IP2386	456615.141	869078.082	1" IRON ROD
IP2387	456608.801	869065.754	1" IRON PIPE
IP2388	456603.588	869070.913	1" IRON PIPE

ALUMINUM MONUMENT FOUND
Y = 460589.469
X = 867783.099

PK NAIL FOUND
Y = 457978.125
X = 870413.845

1/2" IRON ROD FOUND
Y = 457903.027
X = 867754.740

ALUMINUM MONUMENT FOUND
Y = 455258.022
X = 867743.174

SW-SW TOWN

NW-NW OF

SW-NW PLEASANT SPRINGS

PLEASANT OAKS SUBDIVISION (DOC.1610943)

LOT 1 CSM 6287 V.30, P.225-227 DOC.2239905

OUTLOT 1

LOT 29

LOT 30

LOT 31

LOT 28

VACATED ROAD DOC.1700103 SURVEY BY J.R. OLSON, S-1698 (7/03/2003)

B-13-142
B-13-721 REQ'D.

EXISTING RL FOR PROJECT I-90-3(29)140

I-39/90
RL=N64°56'18"W

WILLIAMS DRIVE
RL=N00°32'13"E
RL=N00°07'31"E
RL=N00°17'59"E

RINDEN ROAD
RL=N88°23'19"E
RL=N88°36'04"E

SECTION LINE

1/16 LINE

LUNDE LANE

STA.2319+84.89

STA.2319+86.55/
STA.50+92.64'WD'
X = 457490.781
Y = 867754.431

PI: STA.55+00.31'WD/
100+00.00'R'
Y = 457898.464
X = 867752.322
DELTA = 0°24'43" RT

PI: 106+70.00'R'
Y = 457917.305
X = 868422.059
DELTA = 0°12'45" RT

PI: 46+00.89'WD'
Y = 456999.044
X = 867750.356
DELTA = 0°10'28" RT

STA. 2305+20.70

STA. 41+82.35'WD'

S88°22'56"W, 1997.72'
MON TO TRAV. PNT.

S88°22'56"W, 662.44'
TRAV. PNT. TO MON

S1°36'41"E, 33.00'
R/W TO TRAV. PNT.

S1°36'41"E, 4.57'
TRAV. PNT. TO RL

S1°36'41"E, 28.43'
RL TO R/W

S89°27'47"E, 3.12'
RL TO TRAV. PNT.

S89°27'47"E, 33.00'
TRAV. PNT. TO R/W

S0°24'30"E, 66.06'
R/W TO R/W

N0°15'02"E, 1263.51'
TRAV. PNT. TO RL

S89°44'58"E, 0.43'
TO SEC. LINE

S0°35'17"W, 2056.49'
MON TO TRAV. PNT.

N0°35'17"E, 630.10'
MON TO TRAV. PNT.

N0°15'02"E, 408.45'
RL TO RL

N0°15'02"E, 968.67'
MON TO TRAV. PNT.

S0°16'06"W, 191.18'
R/W TO RL

S0°16'06"W, 254.73'
RL TO 1/16 COR.

S0°16'06"W, 32.25'
1/16 COR. TO R/W

N89°44'58"W, 1.09'
TRAV. PNT. TO RL

N89°44'58"W, 33.00'
R/W TO TRAV. PNT.

N0°15'02"E, 1263.51'
TRAV. PNT. TO RL

REF. LINE/SEC. LINE INT.
STA. 55+04.82'WD'

N0°15'02"E, 4.50'
RL TO MON

REF. LINE/SEC. LINE INT.
STA. 100+02.40'R'

N88°23'19"E, 2.40'
RL TO SEC. LINE

TLE - DRIVEWAY
0.020 AC.

TLE - GRADING
0.072 AC.

TLE - GRADING
0.006 AC.

TLE - GRADING
0.006 AC.

STA.113+32.40'R'
1/16 LINE

SEE TPP 1007-10-23-4.24

SEE TPP 1007-10-23-4.22

SEE TPP 1007-10-23-4.21

IP2383 IS S48°20'25"E, 1.60' FROM POINT 2310

LOCATION SKETCH NOT TO SCALE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.23 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

12/22/2014
DATE

JAMES M. BAKER, AGENT OF OTIE
REGISTRATION NUMBER: S-2530

OTIE Orbota Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

12/23/2014
DATE

DAVID R. MILLER

PLOT SCALE : 1:100
PLOT NAME :
PLOT BY : OTIE
PLOT DATE : 12/22/2014 9:44 AM
FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040123_RP.DWG
APPRAISAL PLAT DATE : 12/22/2014

4

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.24

THAT PART OF LOT 1, CSM 800, LOCATED IN THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF VACATED RITCHIE DRIVE LOCATED IN THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 8, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 IN SECTION 5, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR WILLIAMS DRIVE ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, PLEASANT OAKS SUBDIVISION PLAT, CSM 800, CSM 6287 AND EXISTING CENTER LINE.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5119655
12/29/2014 10:52 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

197

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.24
AMENDMENT NO:

1007-10-23-4.24

PLOT SCALE : 1:100

PLOT NAME :

PLOT BY : OTIE

PLOT DATE : 12/22/2014 10:21 AM

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\1007102 3-040124_RP.DWG

APPRAISAL PLAT DATE : 12/22/2014

ALUMINUM MONUMENT FOUND
Y = 460589.469
X = 867783.099

S89°27'47"E, 3.12' RL TO TRAV. PNT.

S89°27'47"E, 29.88' R/W TO RL

RL SECTION LINE 33'

WILLIAMS DRIVE

S0°36'17"W, 2056.49' MON TO TRAV. PNT.

S0°36'17"W, 630.10' TRAV. PNT. TO MON

S88°35'16"W, 2.38' MON TO RL

SEC. LINE

S0°15'02"W, 4.50' MON TO RL

'R' RL

S88°23'19"W, 2.40' SEC. LINE TO RL.

REF. LINE/SEC. LINE INT. STA. 100+02.40'R'

RL=N00°32'13"E

R/W STATION & OFFSET TABLE			
2401	38+98.40 'WD'	31.97'
2402	38+98.38 'WD'	50.97'
2403	41+80.74 'WD'	51.21'
2404	46+00.78 'WD'	76.47'
IP2482	46+98.96 'WD'	82.06'
2405	2320+05.00	185.00'
2406	2329+75.00	190.00'
2409	2330+45.00	190.00'
2410	2333+00.00	193.81'
2411	2334+01.62	195.33'
2412	2335+42.73	120.86'
2413	2326+09.74	149.95'
2414	2321+90.00	154.82'
2417	55+00.31 'WD'	98.30'
2418	55+01.48 'WD'	98.13'
2421	61+35.00 'WD'	29.88'

R/W COURSE TABLE		
2401-2402	N89°44'58"W	19.00'
2402-2403	N0°15'02"E	282.35'
2403-2404	N3°08'32"W	420.80'
2404-IP2482	N3°08'32"W	98.11'
IP2482-2405	N2°58'39"W	234.05'
2405-2406	N65°14'02"W	970.01'
2406-2409	N64°56'19"W	70.00'
2409-2410	N65°47'39"W	255.03'
2410-2411	N65°47'39"W	101.63'
2412-2413	SEE CURVE DATA ON SHEET	
2413-2414	SEE CURVE DATA ON SHEET	
2414-P2415	N6°41'11"E	162.26'
P2415-2417	N6°41'11"E	20.80'
2417-2418	N6°41'11"E	1.53'
2418-P2420	N6°41'11"E	28.69'
P2420-2421	N6°41'11"E	608.50'

TLE STATION & OFFSET TABLE			
T2450	45+90.00 'WD'	75.82'
T2451	45+90.00 'WD'	90.00'
T2452	46+45.00 'WD'	90.00'
T2453	46+45.00 'WD'	78.98'

STA. 2334+88.79 1/16 LINE

N1°00'36"E, 132.35' RL TO R/W

N1°00'36"E, 213.90' R/W TO RL

TOWN OF SE-SE

SEE TPP 1007-10-23-4.25

OH

P.L.

REF. LINE/ SEC. LINE INT. STA.2329+10.13

R = 34592.50'
L = 933.48'
LCB = S66°43'27"E
LC = 933.45'

S88°35'16"W, 98.19' RL TO R/W

PLE - DRAINAGE 0.012 AC.

S88°35'16"W, 403.90' R/W TO R/W

1/2" IRON ROD FOUND
Y = 457903.027
X = 867754.740

RINDEN ROAD

SECTION LINE RL=N88°23'19"E

0.047 AC. REM.

N88°35'16"E, 434.76' R/W TO RL

S88°35'16"W, 336.36' R/W TO RL

STA. 2329+10.83/ 55+04.82'WD'

PLE - DRAINAGE 0.008 AC.

PI STA.55+00.31'WD'/ 100+00.00'R'

PI: 55+00.31'WD'
Y = 457898.464
X = 867752.322
DELTA = 0°24'43" RT

SECTION LINE

N88°35'16"E, 1462.59' MON TO R/W

1 1/4" REBAR FOUND
Y = 457835.540
X = 865017.396

I-39/90 RL=N64°56'18"W

EXISTING RL FOR PROJECT I-90-3 (29) 140

C-13-52
C-13-3089 REQ'D.

0.835 AC. REM.

R = 34592.50'
L = 419.77'
LCB = S65°36'12"E
LC = 419.77'

PLE - DRAINAGE 0.024 AC.

STA.2319+86.55/ STA.4.50+92.64'WD'
Y = 457490.787
X = 867751.431

RL=N00°07'31"E

S0°15'02"W, 408.45' RL TO RL

1/16 LINE

OF NE-NE

B-13-142
B-13-721 REQ'D.

IP2484

IP2483

SEE TPP 1007-10-23-4.23

PLE STATION & OFFSET TABLE		
P2407	2329+75.00	205.00'
P2408	2330+45.00	205.00'
P2415	54+80.00 'WD'	100.67'
P2416	54+80.00 'WD'	115.00'
P2419	55+30.00 'WD'	115.00'
P2420	55+30.00 'WD'	95.06'

PLE COURSE TABLE		
2406-P2407	S25°03'41"W	15.00'
P2407-P2408	N64°56'19"W	70.00'
P2408-2409	N25°03'41"E	15.00'
P2415-P2416	N89°52'29"W	14.33'
P2416-P2419	N0°22'09"E	50.83'
P2419-P2420	S89°27'47"E	19.94'

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP2480	456962.104	867693.220	0.75" IRON ROD
IP2481	457096.907	867693.790	0.75" IRON ROD
IP2482	457097.290	867668.507	0.75" IRON ROD
IP2483	457352.638	867669.776	0.75" IRON ROD
IP2484	457462.775	867432.109	0.75" IRON ROD

LOT 1 CSM 800 V.4, P.9 DOC.1322440

STA. 2319+84.89

S0°15'02"W, 1193.51' RL TO TRAV. PNT.

PI: 46+00.89'WD'
Y = 456999.044
X = 867750.356
DELTA = 0°10'28" RT

TLE - DRIVEWAY 0.016 AC.

RITCHIE DRIVE VACATED PER DOC.4804783

PI: 46+00.89'WD'
S89°44'58"E, 0.43' TO SEC. LINE

RL=N00°17'59"E

SECTION LINE

WILLIAMS DRIVE

N89°44'58"W, 1.03' TRAV. PNT. TO RL

N89°44'58"W, 31.97' RL. TO R/W

N0°15'02"E, 1038.57' MON TO TRAV. PNT.

ALUMINUM MONUMENT FOUND
Y = 455258.022
X = 867743.174

1/16 LINE STA. 41+82.35'WD'

PLEASANT SPRINGS

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
46	SKAAR SCATTERED ACRES, INC.	FEE, PLE	0.758	---	0.758	---	0.032
47	JOHN SEGER	FEE, TLE	0.254	---	0.254	0.016	---
48	ERICH A. PARPART & DANA L. PARPART	FEE, PLE	0.295	0.155	0.450	---	0.012

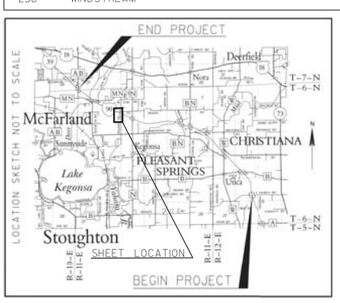
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

PARCEL NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
238	WINDSTREAM	RELEASE OF RIGHTS

200 AMERICAN TRANSMISSION COMPANY, LLC
DOC.4764140 - PARCEL 46

238 WINDSTREAM
NO EASEMENT OF RECORD - PARCEL 48



GN

0 100 200
SCALE, FEET

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.24 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 12/22/2014 DATE
REGISTRATION NUMBER: S-2530

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

OTIE Orbits Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 12/23/2014 DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

4

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.25

THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 5, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5236995
05/25/2016 12:00 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.25
AMENDMENT NO:__

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

SURVEY NAIL SET
Y = 460502.739
X = 865083.416

T6N R11E S5

TOWN

NE-SW

SEE TPP 1007-10-23-4.26

STA. 2361+23.09

1/16 LINE

1/4 LINE

I-39/90
RL=N67°31'13"W

EXISTING RL FOR PROJECT I-90-3(29)140

REF. LINE/1/4 LINE INT.
STA. 2349+65.10

PT: 2347+68.35

PI: 2342+05.18

PC: 2336+41.82

SW-SE

SE-SW

STA. 2363+38.92

STA. 2349+65.10

STA. 2334+88.79

SEE TPP 1007-10-23-4.24

N1°19'57"E, 162.15' R/W TO RL

N1°19'57"E, 604.51' R/W TO RL

S1°25'05"W, 1583.52' MON TO R/W

S1°25'05"W, 198.56' R/W TO RL

N1°25'05"E, 353.57' R/W TO RL

N1°25'05"E, 532.40' MON TO R/W

S1°00'36"W, 132.35' R/W TO RL

S1°00'36"W, 213.90' R/W TO RL

S88°41'15"E, 2559.96' MON TO MON

S88°35'16"W, 2738.18' MON TO MON

OH

P.L.

2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517

2250 2305 2315 2335 2345 2350 2355 2360

275' 315' 440' 100' 215'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
63	HARVEY R. SKAAR, PERSONAL REPRESENTATIVE OF THE ESTATE OF THOMAS WESLEY SKAAR A/K/A T. WESLEY SKAAR, DECEASED AND LOIS SKAAR, DECEASED AND THE TRUSTEES OF THE T. WESLEY SKAAR AND LOIS M. SKAAR REVOCABLE TRUST	FEE	0.019	---	0.019	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

R/W STATION AND OFFSET TABLE

2501	2348+38.05	329.92'
2502	2361+05.38	563.80'
2503	2361+20.83	563.80'
2504	2363+97.41	151.23'
2505	2354+64.19	151.12'
2506	2350+36.45	185.29'
2507	2349+64.18	191.06'
2508	2347+68.35	191.04'
2509	2344+66.50	192.84'
2510	2342+05.08	168.99'
2511	2336+41.82	127.07'
2512	2335+42.73	120.86'
2513	2334+01.62	195.33'
2514	2336+41.82	198.91'
2515	2342+05.08	217.73'
2516	2342+59.74	218.89'
2517	2347+68.35	317.05'

R/W COURSE TABLE

2501-2502	N77°58'37"W	1288.73'
2502-2503	N67°30'50"W	15.45'
2504-2505	S67°30'50"E	933.23'
2505-2506	S72°05'16"E	429.10'
2506-2507	S72°05'16"E	72.50'
2507-2508	S67°30'50"E	195.83'
2508-2509	S67°30'50"E	304.17'
2509-2510	S61°21'11"E	264.39'
2510-2511	S61°21'11"E	568.14'
2511-2512	S61°21'11"E	99.28'
2513-2514	N65°47'39"W	240.23'
2514-2515	N67°30'50"W	558.88'
2515-2516	N67°30'50"W	54.19'
2516-2517	N77°58'37"W	512.63'
2517-2501	N77°58'37"W	70.87'

PI STA = 2342+05.18
Y = 458430.576
X = 865741.671
DELTA = 2°34'55" LT
D = 0°13'45"
T = 563.36'
L = 1126.53'
R = 25000.00'
PC STA = 2336+41.82
PT STA = 2347+68.35

1 1/4" REBAR FOUND
Y = 457835.540
X = 865017.396

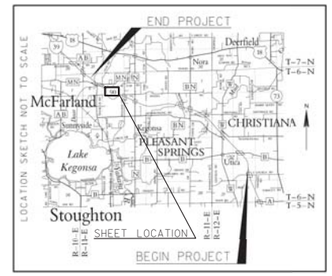
CONCRETE MONUMENT FOUND
Y = 457894.173
X = 862458.111

1/2" IRON ROD FOUND
Y = 457903.027
X = 867754.740

PLEASANT SPRINGS

SECTION LINE

63



GN

0 100 200
SCALE, FEET

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.25 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/10/2016 DATE
REGISTRATION NUMBER: S-2530

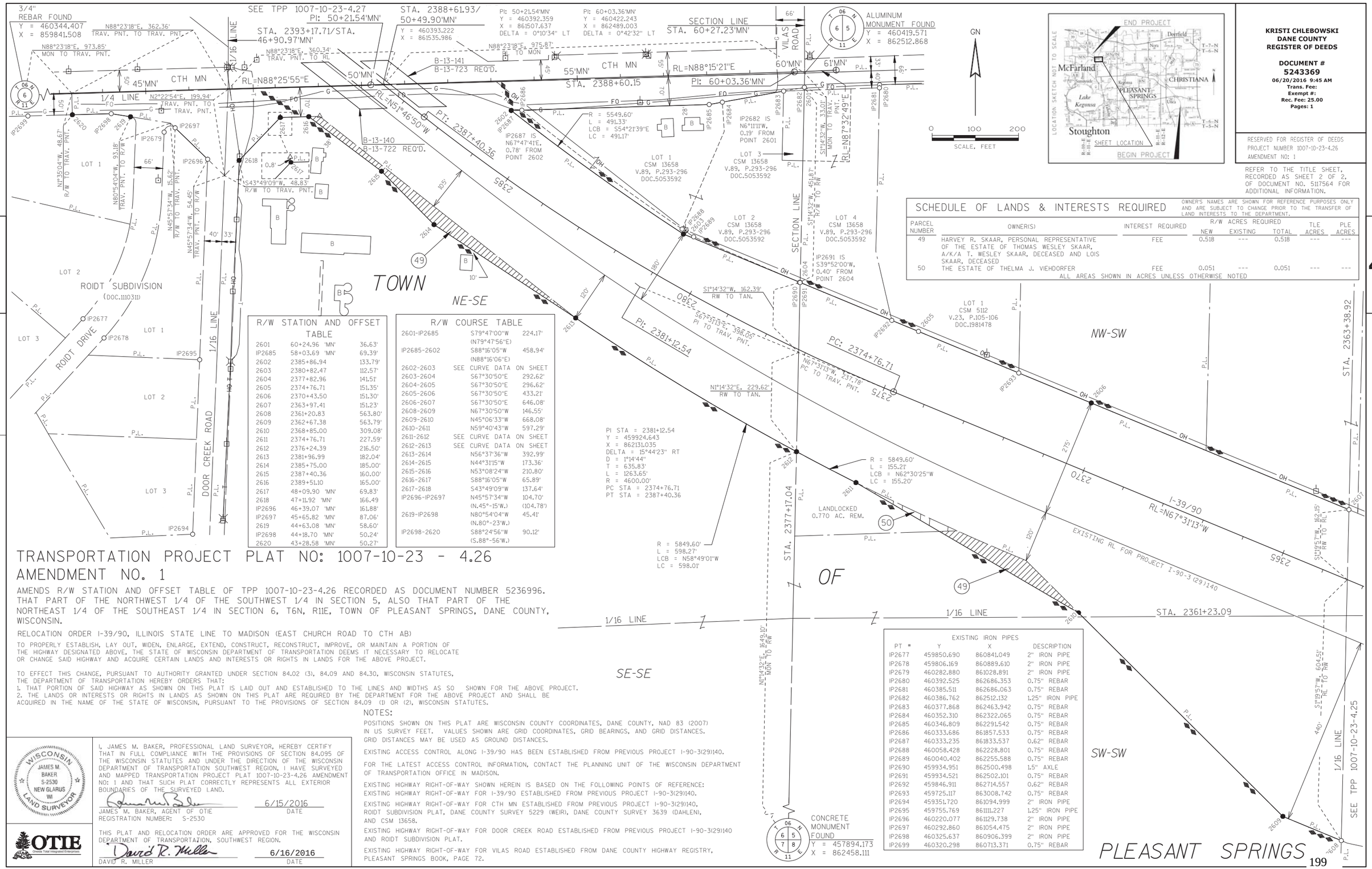
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/17/2016 DATE

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040125_RP.DWG
APPRAISAL PLAT DATE : 5/10/2016
PLOT DATE : 5/10/2016 12:15 PM PLOT BY : OTIE PLOT NAME : PLOT SCALE : **********
1007-10-23-4.25

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE



R/W STATION AND OFFSET TABLE		
2601	60+24.96 'MN'	36.63'
IP2685	58+03.69 'MN'	69.39'
2602	2385+86.94	133.79'
2603	2380+82.47	112.57'
2604	2377+82.96	141.51'
2605	2374+76.71	151.35'
2606	2370+43.50	151.30'
2607	2363+97.41	151.23'
2608	2361+20.83	563.80'
2609	2362+67.38	563.79'
2610	2368+85.00	309.08'
2611	2374+76.71	227.59'
2612	2376+24.39	216.50'
2613	2381+96.99	182.04'
2614	2385+75.00	185.00'
2615	2387+40.36	160.00'
2616	2389+51.10	165.00'
2617	48+09.90 'MN'	69.83'
2618	47+11.92 'MN'	166.49
IP2696	46+39.07 'MN'	161.88'
IP2697	45+65.82 'MN'	87.06'
2619	44+63.08 'MN'	58.60'
IP2698	44+18.70 'MN'	50.24'
2620	43+28.58 'MN'	50.27'

R/W COURSE TABLE		
2601-IP2685	S79°47'00"W (N79°47'56"E)	224.17'
IP2685-2602	S88°16'05"W (N88°16'06"E)	458.94'
2602-2603	SEE CURVE DATA ON SHEET	
2603-2604	S67°30'50"E	292.62'
2604-2605	S67°30'50"E	296.62'
2605-2606	S67°30'50"E	433.21'
2606-2607	S67°30'50"E	646.08'
2608-2609	N67°30'50"W	146.55'
2609-2610	N45°06'33"W	668.08'
2610-2611	N59°40'43"W	597.29'
2611-2612	SEE CURVE DATA ON SHEET	
2612-2613	SEE CURVE DATA ON SHEET	
2613-2614	N56°37'36"W	392.99'
2614-2615	N44°31'15"W	173.36'
2615-2616	N53°08'24"W	210.80'
2616-2617	S88°16'05"W	65.89'
2617-2618	S43°49'09"W	137.64'
IP2696-IP2697	N45°57'34"W (N.45°-15'W.)	104.70' (104.78')
2619-IP2698	N80°54'04"W (N.80°-23'W.)	45.41'
IP2698-2620	S88°24'56"W (S.88°-56'W.)	90.12'

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP2677	459850.690	860841.049	2" IRON PIPE
IP2678	459806.169	860889.610	2" IRON PIPE
IP2679	460282.880	861028.891	2" IRON PIPE
IP2680	460392.525	862686.353	0.75" REBAR
IP2681	460385.511	862686.063	0.75" REBAR
IP2682	460386.762	862512.132	1.25" IRON PIPE
IP2683	460377.868	862463.942	0.75" REBAR
IP2684	460352.310	862322.065	0.75" REBAR
IP2685	460346.809	862291.542	0.75" REBAR
IP2686	460333.686	861857.533	0.75" REBAR
IP2687	460333.235	861833.537	0.62" REBAR
IP2688	460058.428	862228.801	0.75" REBAR
IP2689	460040.402	862255.588	0.75" REBAR
IP2690	459934.951	862500.498	1.5" AXLE
IP2691	459934.521	862502.101	0.75" REBAR
IP2692	459846.911	862714.557	0.62" REBAR
IP2693	459725.117	863008.742	0.75" REBAR
IP2694	459351.720	861094.999	2" IRON PIPE
IP2695	459755.769	861111.227	1.25" IRON PIPE
IP2696	460220.077	861129.738	2" IRON PIPE
IP2697	460292.860	861054.475	2" IRON PIPE
IP2698	460325.637	860906.399	2" IRON PIPE
IP2699	460320.298	860713.371	0.75" REBAR

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5243369
06/20/2016 9:45 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.26
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
49	HARVEY R. SKAAR, PERSONAL REPRESENTATIVE OF THE ESTATE OF THOMAS WESLEY SKAAR, A/K/A T. WESLEY SKAAR, DECEASED AND LOIS SKAAR, DECEASED	FEE	0.518	---	0.518	---	---
50	THE ESTATE OF THELMA J. VIEHDORFER	FEE	0.051	---	0.051	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.26 AMENDMENT NO. 1

AMENDS R/W STATION AND OFFSET TABLE OF TPP 1007-10-23-4.26 RECORDED AS DOCUMENT NUMBER 5236996. THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 IN SECTION 5, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 IN SECTION 6, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH MN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, ROIDT SUBDIVISION PLAT, DANE COUNTY SURVEY 5229 (WEIR), DANE COUNTY SURVEY 3639 (DAHLEN), AND CSM 13658.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DOOR CREEK ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND ROIDT SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY FOR VILAS ROAD ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, PLEASANT SPRINGS BOOK, PAGE 72.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.26 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 6/15/2016 DATE
REGISTRATION NUMBER: S-2530

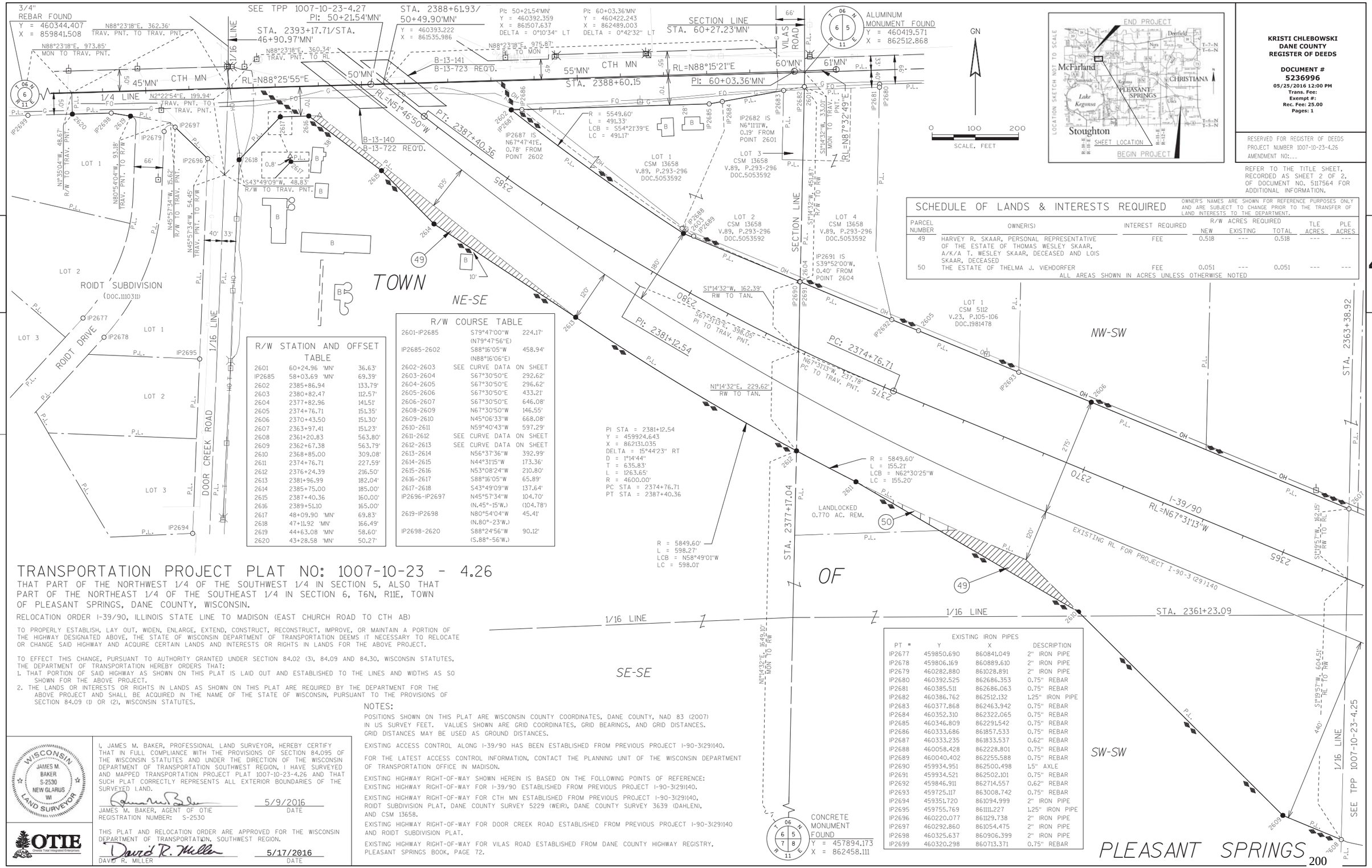
OTIE Onsite Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 6/16/2016 DATE

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040126_A1RP.DWG
PLOT DATE : 6/15/2016 4:22 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : **********
APPRAISAL PLAT DATE : 6/15/2016

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE



R/W STATION AND OFFSET TABLE		
2601	60+24.96 'MN'	36.63'
IP2685	58+03.69 'MN'	69.39'
2602	2385+86.94	133.79'
2603	2380+82.47	112.57'
2604	2377+82.96	141.51'
2605	2374+76.71	151.35'
2606	2370+43.50	151.30'
2607	2363+97.41	151.23'
2608	2361+20.83	563.80'
2609	2362+67.38	563.79'
2610	2368+85.00	309.08'
2611	2374+76.71	227.59'
2612	2376+24.39	216.50'
2613	2381+96.99	182.04'
2614	2385+75.00	185.00'
2615	2387+40.36	160.00'
2616	2389+51.10	165.00'
2617	48+09.90 'MN'	69.83'
2618	47+11.92 'MN'	166.49'
2619	44+63.08 'MN'	58.60'
2620	43+28.58 'MN'	50.27'

R/W COURSE TABLE		
2601-IP2685	S79°47'00"W (N79°47'56"E)	224.17'
IP2685-2602	S88°16'05"W (N88°16'06"E)	458.94'
2602-2603	SEE CURVE DATA ON SHEET	
2603-2604	S67°30'50"E	292.62'
2604-2605	S67°30'50"E	296.62'
2605-2606	S67°30'50"E	433.21'
2606-2607	S67°30'50"E	646.08'
2608-2609	N67°30'50"W	146.55'
2609-2610	N45°06'33"W	668.08'
2610-2611	N59°40'43"W	597.29'
2611-2612	SEE CURVE DATA ON SHEET	
2612-2613	SEE CURVE DATA ON SHEET	
2613-2614	N56°37'36"W	392.99'
2614-2615	N44°31'15"W	173.36'
2615-2616	N53°08'24"W	210.80'
2616-2617	S88°16'05"W	65.89'
2617-2618	S43°49'09"W	137.64'
IP2696-IP2697	N45°57'34"W (N.45°-15'W.)	104.70' (104.78')
2619-IP2698	N80°54'04"W (N.80°-23'W.)	45.41'
IP2698-2620	S88°24'56"W (S.88°-56'W.)	90.12'

SCHEDULE OF LANDS & INTERESTS REQUIRED						
			OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.			
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
49	HARVEY R. SKAAR, PERSONAL REPRESENTATIVE OF THE ESTATE OF THOMAS WESLEY SKAAR, A/K/A T. WESLEY SKAAR, DECEASED AND LOIS SKAAR, DECEASED	FEE	0.518	---	0.518	---	---
50	THE ESTATE OF THELMA J. VIEHDORFER	FEE	0.051	---	0.051	---	---
	ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED						

EXISTING IRON PIPES			
PT #	Y	X	DESCRIPTION
IP2677	459850.690	860841.049	2" IRON PIPE
IP2678	459806.169	860889.610	2" IRON PIPE
IP2679	460282.880	861028.891	2" IRON PIPE
IP2680	460392.525	862686.353	0.75" REBAR
IP2681	460385.511	862686.063	0.75" REBAR
IP2682	460386.762	862512.132	1.25" IRON PIPE
IP2683	460377.868	862463.942	0.75" REBAR
IP2684	460352.310	862322.065	0.75" REBAR
IP2685	460346.809	862291.542	0.75" REBAR
IP2686	460333.686	861857.533	0.75" REBAR
IP2687	460333.235	861833.537	0.62" REBAR
IP2688	460058.428	862228.801	0.75" REBAR
IP2689	460040.402	862255.588	0.75" REBAR
IP2690	459934.951	862500.498	1.5" AXLE
IP2691	459934.521	862502.101	0.75" REBAR
IP2692	459846.911	862714.557	0.62" REBAR
IP2693	459725.117	863008.742	0.75" REBAR
IP2694	459351.720	861094.999	2" IRON PIPE
IP2695	459755.769	861111.227	1.25" IRON PIPE
IP2696	460220.077	861129.738	2" IRON PIPE
IP2697	460292.860	861054.475	2" IRON PIPE
IP2698	460325.637	860906.399	2" IRON PIPE
IP2699	460320.298	860713.371	0.75" REBAR

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5236996
05/25/2016 12:00 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.26
AMENDMENT NO:__

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.26

THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 IN SECTION 5, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 IN SECTION 6, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH MN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, ROIDT SUBDIVISION PLAT, DANE COUNTY SURVEY 5229 (WEIR), DANE COUNTY SURVEY 3639 (DAHLEN), AND CSM 13658.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DOOR CREEK ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND ROIDT SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY FOR VILAS ROAD ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, PLEASANT SPRINGS BOOK, PAGE 72.

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.26 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 5/9/2016 DATE
REGISTRATION NUMBER: S-2530

OTIE Create Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/17/2016 DATE

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040126_RP.DWG
APPRAISAL PLAT DATE : 5/9/2016
PLOT DATE : 5/9/2016 2:10 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : **********

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.27 AMENDMENT NO.1

AMENDMENT REMOVES UTILITY NUMBER 205 AND ADDS UTILITY NUMBER 221 OF TPP 1007-10-23-4.27 RECORDED AS DOCUMENT NUMBER 5236998.

THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 6, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM ACCESS CONTROL PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH MN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, ROIDT SUBDIVISION PLAT, DANE COUNTY SURVEY 5229 (WEIR), DANE COUNTY SURVEY 3639 (DAHLEN), AND CSM 13658.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DOOR CREEK ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND ROIDT SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY FOR ROIDT DRIVE ESTABLISHED FROM ROIDT SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY FOR VILAS ROAD ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, PLEASANT SPRINGS BOOK, PAGE 72.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5262364
08/26/2016 8:38 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1001-10-23-4.27
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
51	GARY C BLANKENHEIM	FEE, TLE	0.147	---	0.147	0.059	---
52	DOWNING 3094 CR MN LLC	FEE	0.141	---	0.141	---	---
53	BRYAN R. SPANGLER & JILL M. SPANGLER OUTFRONT MEDIA LLC	FEE	0.047	---	0.047	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
221	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS

(200) AMERICAN TRANSMISSION COMPANY, LLC
DOC.4749782 - PARCEL 51
DOC.4760849 - PARCEL 53

(202) WISCONSIN POWER AND LIGHT COMPANY
V.449, P.372, DOC.1167956 - PARCEL 53

(221) FRONTIER COMMUNICATIONS OF WI LLC
DOC.1280008 - PARCEL 51

TLE STATION AND OFFSET TABLE

T2750	2391+90.00	162.99'

R/W STATION AND OFFSET TABLE

2701	41+44.52 'MN'	51.90'
2702	42+29.04 'MN'	49.70'
2703	2391+68.43	190.52'
2704	2395+00.00	165.00'
2705	2401+50.00	165.00'
2706	2403+90.00	153.79'
2707	2408+83.32	153.81'
2708	2410+99.53	126.18'
2709	2397+00.00	126.23'
2710	2395+00.00	145.00'
2711	2392+13.42	145.00'
IP2781	2387+02.70	191.85'
IP2782	54+34.78 'MN'	45.69'
IP2783	54+35.18 'MN'	55.69'
2712	59+62.64 'MN'	55.58'
2713	2391+97.24	153.75'
2714	2393+95.00	153.76'

R/W COURSE TABLE

2701-2702	SEE CURVE DATA ON SHEET	
2702-2703	N88°24'56"E	463.41'
2703-2713	N0°08'19"E	46.71'
2713-2714	N51°46'59"W	197.76'
2714-2704	N57°53'34"W	105.60'
2704-2705	N51°46'51"W	650.00'
2705-2706	N49°06'27"W	240.26'
2706-2707	N51°46'59"W	493.32'
2708-2709	S51°46'59"E	1399.53'
2709-2710	S57°08'30"E	200.88'
2710-2711	S51°46'51"E	286.58'
2711-IP2781	S57°03'16"E	511.31'
IP2781-IP2782	N88°20'24"E	140.73'
IP2782-IP2783	N0°32'58"E	10.01'
IP2783-2712	N88°16'05"E	527.45'

SIGN NUMBER	SIGN OWNER	OASIS NO.
53-1	OUTFRONT MEDIA LLC BRYAN R. SPANGLER & JILL M. SPANGLER	14441

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
2780	460570.495	861587.234	1.25" IRON PIPE
2781	460446.529	861778.628	1.25" IRON PIPE
2782	460450.606	861919.299	1" REBAR
2783	460460.614	861919.395	0.75" REBAR
2784	460585.980	862155.133	1" IRON PIPE

PI STA = 40+79.71'MN'
Y = 460366.448
X = 860561.095
DELTA = 27°42'54"
D = 10°54'49"
T = 129.51'
L = 253.95'
R = 525.00'
PC STA = 39+50.20'MN'
PT STA = 42+04.15'MN'

PI: 50+21.54'MN'
Y = 460392.359
X = 861507.637
DELTA = 0°10'34" LT

PI: 60+03.36'MN'
Y = 460422.243
X = 862489.003
DELTA = 0°42'32" LT

ALUMINUM MONUMENT FOUND
Y = 460419.571
X = 862512.868

SEE TPP 1007-10-23-4.26

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.27 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE — 8/23/2016
REGISTRATION NUMBER: S-2530 — DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 8/24/2016
D.

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040127_A1_RP.DWG
APPRAISAL PLAT DATE : 8/23/2016
PLOT DATE : 8/23/2016 10:00 AM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : **********

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.27

THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 6, T6N, R11E, TOWN OF PLEASANT SPRINGS, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE TO MADISON (EAST CHURCH ROAD TO CTH AB)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG I-39/90 HAS BEEN ESTABLISHED FROM ACCESS CONTROL PROJECT I-90-3(29)140.

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH MN ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, ROIDT SUBDIVISION PLAT, DANE COUNTY SURVEY 5229 (WEIR), DANE COUNTY SURVEY 3639 (DAHLEN), AND CSM 13658.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DOOR CREEK ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND ROIDT SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY FOR ROIDT DRIVE ESTABLISHED FROM ROIDT SUBDIVISION PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY FOR VILAS ROAD ESTABLISHED FROM DANE COUNTY HIGHWAY REGISTRY, PLEASANT SPRINGS BOOK, PAGE 72.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5236998
05/25/2016 12:00 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1001-10-23-4.27
AMENDMENT NO:__

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
51	GARY C BLANKENHEIM	FEE, TLE	0.147	---	0.147	0.059	---
52	DOWNING 3094 CR MN LLC	FEE	0.141	---	0.141	---	---
53	BRYAN R. SPANGLER & JILL M. SPANGLER OUTFRONT MEDIA LLC	FEE	0.047	---	0.047	---	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
202	WISCONSIN POWER AND LIGHT COMPANY	RELEASE OF RIGHTS
205	AT&T WISCONSIN (WISCONSIN BELL, INC.)	RELEASE OF RIGHTS

200 AMERICAN TRANSMISSION COMPANY, LLC
DOC.4749782 - PARCEL 51
DOC.4760849 - PARCEL 53

202 WISCONSIN POWER AND LIGHT COMPANY
V.449, P.372, DOC.1167956 - PARCEL 53

205 AT&T WISCONSIN (WISCONSIN BELL, INC)
DOC.1280008 - PARCEL 51

TLE STATION AND OFFSET TABLE

T2750	2391+90.00	162.99'

R/W STATION AND OFFSET TABLE

2701	41+44.52 'MN'	51.90'
2702	42+29.04 'MN'	49.70'
2703	2391+68.43	190.52'
2704	2395+00.00	165.00'
2705	2401+50.00	165.00'
2706	2403+90.00	153.79'
2707	2408+83.32	153.81'
2708	2410+99.53	126.18'
2709	2397+00.00	126.23'
2710	2395+00.00	145.00'
2711	2392+13.42	145.00'
IP2781	2387+02.70	191.85'
IP2782	54+34.78 'MN'	45.69'
IP2783	54+35.18 'MN'	55.69'
2712	59+62.64 'MN'	55.58'
2713	2391+97.24	153.75'
2714	2393+95.00	153.76'

R/W COURSE TABLE

2701-2702	SEE CURVE DATA ON SHEET	
2702-2703	N88°24'56"E	463.41'
2703-2713	N0°08'19"E	46.71'
2713-2714	N51°46'59"W	197.76'
2714-2704	N57°53'34"W	105.60'
2704-2705	N51°46'51"W	650.00'
2705-2706	N49°06'27"W	240.26'
2706-2707	N51°46'59"W	493.32'
2708-2709	S51°46'59"E	1399.53'
2709-2710	S57°08'30"E	200.88'
2710-2711	S51°46'51"E	286.58'
2711-IP2781	S57°03'16"E	511.31'
IP2781-IP2782	N88°20'24"E	140.73'
IP2782-IP2783	N0°32'58"E	10.01'
IP2783-2712	N88°16'05"E	527.45'

LOCATION SKETCH NOT TO SCALE

SEE TPP 1007-11-24-4.01

1 1/4" REBAR SET
Y = 463022.321
X = 859866.976

SO°32'42"W, 1145.68' MON TO RW

NO°32'42"E, 159.42' RL TO RW

NO°32'42"E, 194.33' RW TO RL

POT STA. 2410+02.09
Y = 461717.282
X = 859854.565

STA. 2410+02.09

NW-NE

TOWN

1/16 LINE

DOOR CREEK

16.5' ACCESS EASEMENT
V.735, P.9, DOC.1490843

STA. 2393+17.71/STA. 46+90.97'MN'

OF

I-39/90
RL=N51°46'50"W

EXISTING RL FOR PROJECT I-90-3(29)140

LANDLOCKED
1.821 AC. REM.

B-13-161
B-13-725 REQ'D.

B-13-160
B-13-724 REQ'D.

B-13-140
B-13-722 REQ'D.

B-13-141
B-13-723 REQ'D.

1/4 LINE

LOT 1
CSM 10615
V.63, P.47-49
DOC.3611417

LOT 1
CSM 10217
V.60, P.22-24
DOC.3390221

3/4" REBAR FOUND
Y = 460344.407
X = 859841.508

1 1/4" REBAR FOUND
Y = 457738.103
X = 859682.827

N3°20'0"E, 2611.13' MON TO MON

SW-NE

SE-NE

PLEASANT SPRINGS

CTH MN

66'

37'MN'

RL=S63°51'11"E

PC: 39+50.20'MN'

PT: 42+04.15'MN'

S88°25'55"W, 76.71' TRAV. PNT. TO PI

N88°25'55"E, 52.80' TRAV. PNT. TO PT

RL=N88°25'55"E

45'MN'

50'MN'

S88°23'18"W, 539.56' TRAV. PNT. TO TRAV. PNT.

S88°23'18"W, 360.34' RL TO TRAV. PNT.

N88°23'18"E, 796.65' MON TO TRAV. PNT.

PI: 40+79.71'MN'

PI STA = 40+79.71'MN'
Y = 460366.448
X = 860561.095
DELTA = 27°42'54"
D = 10°54'49"
T = 129.51'
L = 253.95'
R = 525.00'
PC STA = 39+50.20'MN'
PT STA = 42+04.15'MN'

PI: 50+21.54'MN'
Y = 460392.359
X = 861507.637
DELTA = 0°10'34" LT

STA. 2388+61.93'
X = 460393.222
Y = 861535.486
STA. 50+49.90'MN'
PI: 50+21.54'MN'

STA. 2388+60.15'MN'

S88°23'18"W, 975.87' MON. TO RL

RL=N87°32'49"E

1/4 LINE

SECTION LINE

N88°16'05"E, 66.02' RW TO TRAV. PNT.

S0°15'41"E, 55.29' TRAV. PNT. TO RL

S0°15'41"E, 3.69' RL TO TRAV. PNT.

PI: 60+03.36'MN'
Y = 460422.243
X = 862489.003
DELTA = 0°42'32" LT

ALUMINUM MONUMENT FOUND
Y = 460419.571
X = 862512.868

VILAS ROAD

STA. 60+27.23'MN'

PI: 60+03.36'MN'

RL=N88°15'21"E

60'MN'

61'MN'

55'MN'

SURVEY 3639, ANDREW DAHLEN, S-2 (6/03/1966)

SURVEY 5229, GEORGE A. WEIR, S-843 (7/27/1965)

SIGN NUMBER 53-1 — SIGN OWNER: OUTFRONT MEDIA LLC / BRYAN R. SPANGLER & JILL M. SPANGLER — OASIS NO. 14441

EXISTING IRON PIPES

PT #	Y	X	DESCRIPTION
2780	460570.495	861587.234	1.25" IRON PIPE
2781	460446.529	861778.628	1.25" IRON PIPE
2782	460450.606	861919.299	1" REBAR
2783	460460.614	861919.395	0.75" REBAR
2784	460585.980	862155.133	1" IRON PIPE

TLE - GRADING 0.059 AC.

R = 587.30'
L = 78.75'
LCB = S87°44'35"E
LC = 78.69'

N2°25'22"W, 54.96' TAN TO RW

N2°25'22"W, 1.74' TRAV. PNT. TO TAN

TAN 1/4 LINE

ROIDT DRIVE

DOOR CREEK ROAD

SEE TPP 1007-10-23-4.26

16.5' ACCESS EASEMENT
V.735, P.9, DOC.1490843

GN

0 100 200
SCALE, FEET

I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.27 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

JAMES M. BAKER, AGENT OF OTIE
REGISTRATION NUMBER: S-2530

5/9/2016
DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER

5/17/2016
D

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040127_RP.DWG
APPRAISAL PLAT DATE : 5/9/2016
PLOT DATE : 5/9/2016 2:14 PM
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : **********

BENCH MARKS				
NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
CP609P	2214+66.62	349.94', LT	CAP PIN	877.08

C11
PI STA = 2205+72.27
Y = 455,795.5698
X = 878,689.7161
Δ = 24°18'50"
D = 1°14'44"
T = 990.93'
L = 1,952.04'
R = 4,600.00'
PC STA = 2195+81.33
PT STA = 2215+33.37
SE = 4.0%

KIMBERLY S. LEX
PROPERTY LINE (TYP)
1/16 LINE (TYP)
DELINEATED WETLANDS (TYP)
EASEMENT (TYP)
PLE (TYP)
C-13-3084
PROPOSED RW (TYP)
DANIEL SPERLOEN
WI DNR (F.K.A. - STATE CONSERVATION COMMISSION)
CP609P
IH 39 SB
IH 39 NB
N73°15'02"W
PC: 2195+81.33
BFS=4.0%
2196+61.33
EFS=4.0%
2214+53.33
MATCH LINE 2215+00
ATC
ROBERT W. RHYMES AND CHERYL H. RHYMES
1/4 LINE (TYP)
BEGIN ITS CONSTRUCTION (SEE ITS PLAN)
TOM & DONNA SYRE FARMS, LLC
END PROJECT 1007-11-71
BEGIN PROJECT 1007-11-76
STA 2195+00.00
MATCH EXISTING PAVEMENT
Y=455,486.5567
X=879,716.4905
STEPHEN D CHAMPAGNE
UTILITY EASEMENT (TYP)
EXISTING RW (TYP)
SLOPE INTERCEPT (TYP)
CAUTION ATC (345KV)
SECTION LINE (TYP)
CYNTHIA L. CULHAM & DEBORAH CAIN
14°38'12"

VCL = 1200.00'
K = 402.98
VPC STA 2187+85.00
VPC EL 887.09
VPI STA 2193+85.00
VPI EL 881.24
VPT STA 2199+85.00
VPT EL 893.27
PROPOSED PROFILE AT NB REF LINE
EXISTING GROUND
2.00%
EXISTING PROFILE AT NB REF LINE PROJECT 1007-11-71
STA 2200+25
(1)-CPRC CLASS III
24-INCH
SKEW 0.0°
STA 2213+61
(1)-CPRC CLASS V
60-INCH
SKEW 18.7° LHF

NB EXISTING PROFILE ELEVATIONS	NB FINISHED PROFILE ELEVATIONS
889.86	888.89
887.91	886.94
886.13	885.57
885.25	885.18
885.36	885.79
886.47	886.47
887.44	887.39
888.15	888.56
888.91	889.98
889.73	891.65
890.55	893.57
891.35	895.57
892.19	897.57
893.53	899.58
894.84	901.58
896.48	903.59
898.45	905.59
901.33	907.59
903.46	909.60
905.24	911.60
906.26	913.61
908.08	915.61
910.37	917.61
912.19	919.62
914.62	921.62
915.49	923.63

2185 2190 2195 2200 2205 2210 2215

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 NB	PAGE 01 OF 07	SHEET	E

FILE SAVE PATH: \\SEHMADISON\Projects\AE\D\DANEL\119189\Civil 3D\1007100\Sheets\Plan\1007176\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (PLAN & PROFILE - IH 39 NB).DWG | PLOT DATE : 10/9/2017 6:09 PM | PLOT BY : SEH | LAYOUT NAME : 050101_PP | PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44

WI DNR (F.K.A. - STATE CONSERVATION COMMISSION)

WI DNR (F.K.A. - STATE CONSERVATION COMMISSION)

WI DNR (F.K.A. - STATE CONSERVATION COMMISSION)

DELINEATED WETLANDS (TYP)

PROPOSED RW (TYP)

BM657P

¼ LINE (TYP)

IH 39 SB

BENCH MARKS				
NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
BM657P	2227+50.66	521.20', LT	NE SN BOLT	895.10

SLOPE INTERCEPT (TYP)

PT: 2215+33.37

MATCH LINE 2215+00

MATCH LINE 2245+00

S82°26'08"W

IH 39 NB

EXIT RAMP (CLOSED)

ENT RAMP (CLOSED)

ATC

CAUTION ATC (345kV)

CYNTHIA L. CULHAM & DEBORAH CAIN

JOHN D. LEMANSKI

PATRICK P. & LYNN C. ODETTE

PROPERTY LINE (TYP)

EXISTING RW (TYP)

1/16 LINE (TYP)

NB SWEF A.K.A "UTICA SCALE #17 STOUGHTON"

VCL = 1500.00'
K = 651.29

EXISTING GROUND

2.00%

-0.30%

ESTIMATED ROCK SURFACE AT NB ℄

STA 2226+10
(1)-CPRC CLASS IV AT NB REF LINE
24-INCH
SKEW 0.0°

PROPOSED PROFILE

VPC STA 2226+15.00
VPC EL 945.97

VPI STA 2233+65.00
VPI EL 961.00

PROPOSED DITCH PROFILE RIGHT

ESTIMATED ROCK SURFACE AT NB ℄

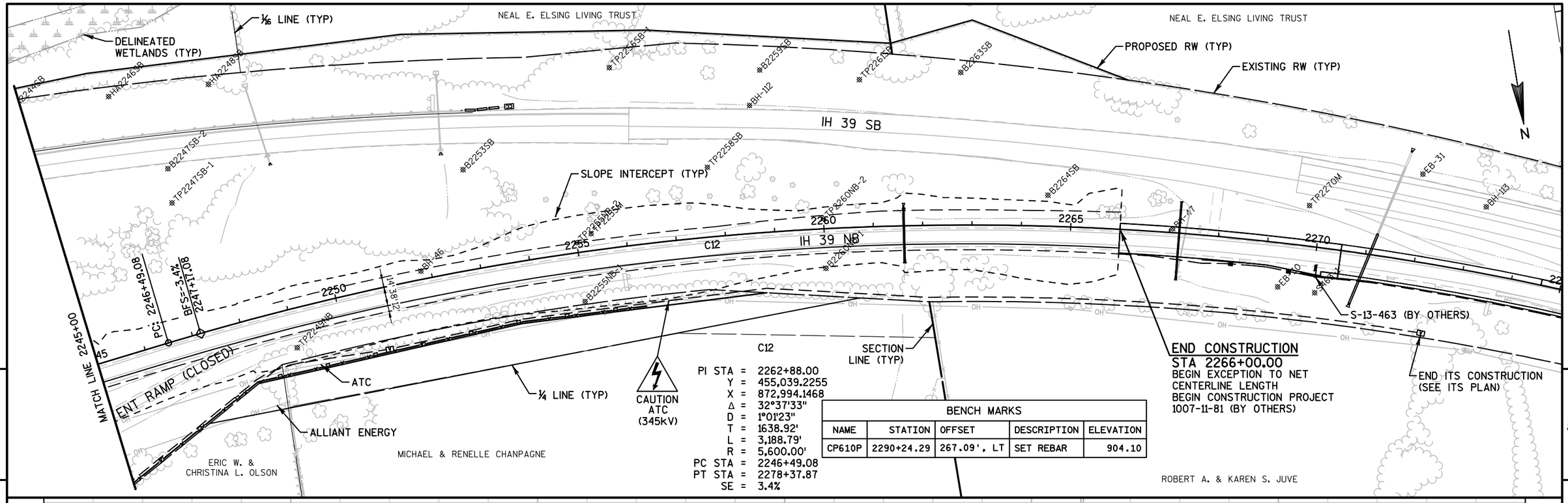
STA 2239+58
(1)-CPRC CLASS IV
24-INCH
SKEW 0.0°

VPT STA 2241+15.00
VPT EL 958.76

NB EXISTING PROFILE ELEVATIONS

NB FINISHED PROFILE ELEVATIONS

| | | | |



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 NB	PAGE 03 OF 07	SHEET	E

FILE SAVE PATH: \\SEHMADISON\Projects\AE\D\DANEL\119189\Civil 3D\1007100\Sheets\Plan\1007176\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (PLAN & PROFILE - IH 39 NB).DWG | PLOT DATE : 10/9/2017 6:09 PM | PLOT BY : SEH | LAYOUT NAME : 050103_PP | PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44

BENCH MARKS				
NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
BM658P	2320+00.66	102.70', LT	SE BOLT EAST SIGN LEG	870.70
BM659P	2341+91.70	176.64', LT	NE BOLT EAST SIGN LEG	884.41

C13
PI STA = 2342+05.18
Y = 458,430.5760
X = 865,741.6712
Δ = 2°34'55"
D = 0°13'45"
T = 563.36'
L = 1,126.53'
R = 25,000.00'
PC STA = 2336+41.82
PT STA = 2347+68.35
SE = N.C.

PROPERTY LINE (TYP)
SKAAR SCATTERED ACRES INC
T WESLEY & LOIS SKAAR
DELINEATED WETLANDS (TYP)
T. WESLEY SKAAR AND LOIS M. SKAAR
SECTION LINE (TYP)
LUNDE FARMS INC
LUNDE FARMS INC
TLE (TYP)
45'WD
WILLIAMS DR
IH 39 B-13-721 EXISTING TO REMAIN
BEGIN CONSTRUCTION STA 2323+00.00
END EXCEPTION TO NET CENTERLINE LENGTH
END CONSTRUCTION PROJECT 1007-11-81 (BY OTHERS)
PLE (TYP)
PROPOSED RW (TYP)
EXISTING RW (TYP)
S-13-466 (1007-11-81)
ALLIANT ENERGY
JOHN SEGER
IH 39 SB
IH 39 NB
BM658P
BM659P
PC: 2336+41.82
MATCH LINE 2345+00
N64°56'19"W
14'38'12"
ATC
M&W OLSON. A WISCONSIN PARTNERSHIP
CAUTION ATC (345kV)
STRUCTURE C-13-3089
6'x8' RCBC REQUIRED
ERICH A. & DANA L. PARPART
SLOPE INTERCEPT (TYP)
PROPERTY LINE (TYP)
1/16 LINE (TYP)
DANIEL & JANE NIESEN

VCL = 1000.00'
K = 425.92
VCL = 1360.00'
K = 577.51
VPC STA 2326+70.00
VPC EL 869.60
VPI STA 2331+70.00
VPI EL 868.10
VPT STA 2336+70.00
VPT EL 878.34
VPC STA 2338+90.00
VPC EL 882.84
EXISTING PROFILE AT NB REF LINE PROJECT 1007-11-81
PROPOSED PROFILE AT NB REF LINE
-0.30%
2.05%
EXISTING GROUND
PROPOSED DITCH PROFILE RIGHT
STA 2329+95
(1)-96 X 72 INCH
CONCRETE BOX CULVERT
SKEW 3.0° LHF
STA 2330+04
(1)-96 X 72 INCH
CONCRETE BOX CULVERT
SKEW 3.0° LHF
STA 2334+00
(1)-CPRC CLASS IV
18-INCH
SKEW 0.0°
NB EXISTING PROFILE ELEVATIONS
NB FINISHED PROFILE ELEVATIONS

| | | | |

C13

PI STA = 2342+05.18
Y = 458,430.5760
X = 865,741.6712
Δ = 2°34'55"
D = 0°13'45"
T = 563.36'
L = 1,126.53'
R = 25,000.00'
PC STA = 2336+41.82
PT STA = 2347+68.35
SE = N.C.

T. WESLEY AND LOIS M. SKAAR

T. WESLEY AND LOIS M. SKAAR

EXISTING RW (TYP)

T. WESLEY SKAAR AND LOIS SKAAR

PROPOSED RW (TYP)

T. WESLEY SKAAR AND LOIS SKAAR

ALLIANT ENERGY

SWEF #16 EQUIPMENT

THELMA J. VIEHDORFER

SWEF #16

WISDOT

SB ENTRANCE RAMP

SB SWEF EXIT RAMP

WISDOT

IH 39 SB

IH 39 NB

N67°31'14"W

14°38'12"

MATCH LINE 2345+00

MATCH LINE 2375+00

PT: 2347+68.35

PC: 2374+76.71

2350 2355 2360 2365 2370

45

C13

ATC

ATC

SLOPE INTERCEPT (TYP)

DANIEL & JANE NIESEN

DANIEL & JANE NIESEN

¼ LINE (TYP)

DANIEL L. & LINDA L. POTTINGER

DENNIS N. & RUTH A. KAMPMEIER

PHANTOM RANCH LLC

CAUTION ATC (345kV)

1/16 LINE (TYP)

PROPERTY LINE (TYP)

BENCH MARKS				
NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
CP611P	2359+06.06	234.96', LT	SET CAPPED REBAR	895.28

VCL = 1360.00'
K = 577.51

VCL = 250.00'
K = 308.65

VPI STA 2345+70.00
VPI EL 896.77

VPT STA 2352+50.00
VPT EL 894.68

VPC STA 2364+15.00
VPC EL 891.09

VPI STA 2365+40.00
VPI EL 890.71

VPT STA 2366+65.00
VPT EL 891.34

PROPOSED PROFILE AT NB REF LINE

-0.31%

0.50%

EXISTING GROUND

ESTIMATED ROCK SURFACE AT NB ℄

STA 2365+70
(1)-CPRC CLASS III
42-INCH
SKEW 0.0°

STA 2368+00
(1)-CPRC CLASS III
48-INCH
SKEW 0.0°

PROPOSED DITCH PROFILE RIGHT

ESTIMATED ROCK SURFACE AT NB ℄

NB EXISTING PROFILE ELEVATIONS

NB FINISHED PROFILE ELEVATIONS

| | | | |

C14

PI STA = 2381+12.54
Y = 459,924.6426
X = 862,131.0349
Δ = 15°44'23"
D = 1°14'44"
T = 635.83'
L = 1,263.66'
R = 4,600.00'
PC STA = 2374+76.71
PT STA = 2387+40.36
SE = 4.0%

T. WESLEY SKAAR AND LOIS SKAAR

GARY C. BLANKENHEIM

ROZELLA EDNA DOWNING AS TRUSTEE OF THE ROZELLA EDNA DOWNING REVOCABLE TRUST

JAMES R. & LORI A ALME

JAMES ALME

JOHN J. & MELISSA M. LAVIN

CHRISTINE MODE

STONEGROVE HOLDINGS LLC

WI DNR

DCIMAP OPT-OUT

EXISTING RW (TYP)
PROPOSED RW (TYP)
WISDOT
WINDSTREAM
CAUTION
IH 39 SB B-13-140 EXISTING TO REMAIN
IH 39 SB B-13-160 EXISTING TO REMAIN
CTH MN
FRONTIER COM (T) CHARTER (FO)
DOOR CREEK
IH 39 SB
IH 39 NB
MATCH LINE 2375+00
MATCH LINE 2405+00
RET WALL R-13-260 REQUIRED
SLOPE INTERCEPT (TYP)
ALLIANT ENERGY
SECTION LINE (TYP)
¼ LINE (TYP)
RET WALL R-13-261 REQUIRED
IH 39 NB B-13-141 EX TO BE REMOVED B-13-723 REQUIRED (SEE STRUCTURE PLAN)
CAUTION ATC (345kV)
1/16 LINE (TYP)
IH 39 NB B-13-161 EXISTING TO BE REMOVED B-13-725 REQUIRED (SEE STRUCTURE PLAN)
PT: 2387+40.36
BM660P
BM661P
BM662P

BENCH MARKS				
NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
BM660P	2386+63.23	92.67', LT	NE BOLT EAST SIGN LEG	886.87
BM661P	2390+39.90	78.88', LT	BRIDGE DISK	884.29
BM662P	2400+39.87	50.92', RT	BRIDGE DISK	861.00

VCL = 1350.00'
K = 403.64

VCL = 1110.00'
K = 271.74

0.50%

-2.84%

PROPOSED DITCH PROFILE RIGHT
ESTIMATED ROCK SURFACE AT NB ℞

VPC STA 2378+90.00
VPC EL 897.49

VPI STA 2385+65.00
VPI EL 900.89

REMOVE EXISTING STRUCTURE B-13-141
STA 2388+42
SPAN 3
WIDTH 40.0'
TYPE CONT. STEEL GIRDER

ACTUAL MIN. VERTICAL CLEARANCE 15'-3"

STRUCTURE B-13-723 REQUIRED
STA 2388+56.60
SPAN 1
RDWY WIDTH 60.0'
TYPE 54W PRESTRESSED CONC. GIRDER
SKEW 50°02'12"

VPT STA 2392+40.00
VPT EL 881.70

PROPOSED PROFILE AT NB REF LINE

EXISTING GROUND

VPC STA 2396+95.00
VPC EL 868.77

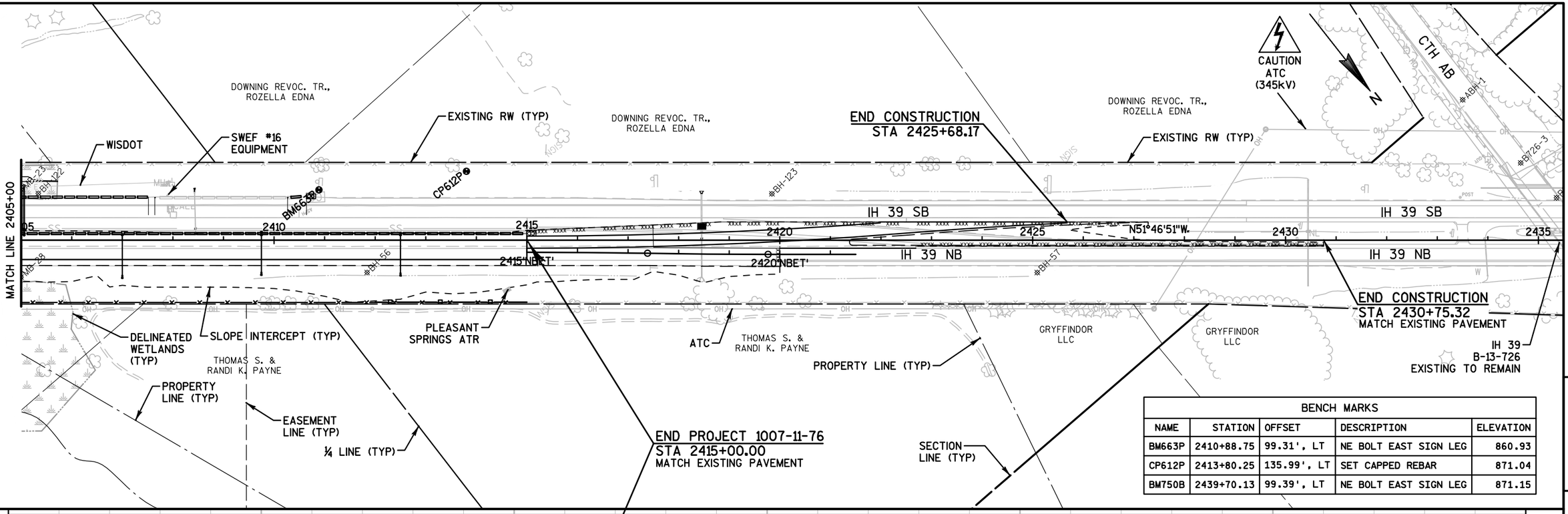
REMOVE EXISTING STRUCTURE B-13-161
STA 2400+63
SPAN 1
WIDTH 62.0'
TYPE STEEL PLATE GIRDER

STRUCTURE B-13-725 REQUIRED
STA 2400+63.13
SPAN 1
RDWY WIDTH 60.0'
TYPE 36W PRESTRESSED CONC. GIRDER
SKEW 29°49'35"

VPI STA 2402+50.00
VPI EL 853.00

NB EXISTING PROFILE ELEVATIONS
NB FINISHED PROFILE ELEVATIONS

| | | | |



BENCH MARKS				
NAME	STATION	OFFSET	DESCRIPTION	ELEVATION
BM663P	2410+88.75	99.31', LT	NE BOLT EAST SIGN LEG	860.93
CP612P	2413+80.25	135.99', LT	SET CAPPED REBAR	871.04
BM750B	2439+70.13	99.39', LT	NE BOLT EAST SIGN LEG	871.15

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 NB	PAGE 07 OF 07	SHEET	E

FILE SAVE PATH: \\SEHMADISON\Projects\AE\D\DANIEL\119189\Civil 3D\10071001\SheetsPlan\10071176\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (PLAN & PROFILE - IH 39 NB).DWG PLOT DATE : 10/12/2017 8:48 AM PLOT BY : SEH LAYOUT NAME : 050107_PP PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44

EASEMENT (TYP)
PROPOSED RW (TYP)
TLE (TYP)
EXISTING RW (TYP)
ALLIANT ENERGY
FRONTIER COM (T)
CHARTER (FO)
IH 39 SB
IH 39 NB
CAUTION
ATC
(345kV)
ATC TOWER
IH 39 NB
B-13-141
EXISTING TO
BE REMOVED
PROPERTY LINE (TYP)
FRONTIER COM (T)
CHARTER (FO)
CTH MN
44'MN'
46'MN'
48'MN'
50'MN'
52'MN'
54'MN'
56'MN'
30"CPCS
24"CPCS
ALLIANT ENERGY
WINDSTREAM
ROIDT DR
DOOR CREAK RD
18"CPCS
IH 39 SB
B-13-140
EXISTING TO REMAIN
IH 39 NB
B-13-723 REQ'D
¼ LINE (TYP)
1/16 LINE (TYP)
N

EXISTING GROUND
EXISTING PROFILE
ELEV AT REF LINE

880
875
870
865
860
855
850
845

853.52 853.98 854.36 854.91 855.78 856.59 857.58 858.56 859.54 860.40 861.20 862.05 862.90 863.64 864.68 865.89 867.17 868.56 870.07 871.81 873.42 874.81 876.09 877.57 878.62 879.62 880.49 881.30 882.04 882.57 882.95

44'MN' 46'MN' 48'MN' 50'MN' 52'MN' 54'MN' 56'MN' 57

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: CTH MN	SHEET 210	E

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100 1\SHEETSPLAN\1007117 6\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (MN).DWG PLOT DATE : 10/12/2017 8:55 AM PLOT BY : SEH INC LAYOUT NAME : 01 (MN) PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 44

END PROJECT 1007-11-76
STA 2415+00.00

BEGIN CONSTRUCTION
STA 2415+00.00'X280'

END CONSTRUCTION
STA 2426+96.00'X280'

MATCH EXISTING PAVEMENT EDGE

IH 39 SB

IH 39 NB

30"CPC

24"PCS/21"LINER

2414 2416 2418 2420 2422 2424 2426 2428

2416'X280' 2418'X280' 2420'X280' 2422'X280' 2424'X280' 2426'X280' 2428'X280'

SLOPE INTERCEPT (TYP)

MATCH EXISTING PAVEMENT EDGE

WISDOT

ATC TOWER

CAUTION
ATC
(345kV)

EXISTING RW (TYP)

PROPERTY LINE (TYP)

ATC TOWER

SECTION LINE (TYP)

1/16 LINE (TYP)

5

5

N

VCL = 146.00'
K = 385.81

STA 2415+00.00'X280'
EL 868.62

STA 2416+00.00'X280'
EL 869.40

STA 2417+00.00'X280'
EL 870.35

STA 2418+00.00'X280'
EL 871.02

VPC STA 2418+77.00'X280'
VPC EL 871.35

VPI STA 2419+50.00'X280'
VPI EL 871.67

VPT STA 2420+23.00'X280'
VPT EL 871.71

STA 2421+00.00'X280'
EL 871.75

STA 2421+99.99'X280'
EL 871.62

STA 2423+89.58'X280'
EL 872.26

0.78% 0.95% 0.67% 0.43% 0.05% -0.13% 0.34%

EXISTING GROUND

PROPOSED PROFILE
AT REF LINE

EXISTING PROFILE
ELEV AT REF LINE

FINISHED PROFILE
ELEV AT REF LINE

890 885 880 875 870 865 860 855

867.48 868.62 | 868.08 869.01 | 868.53 869.40 | 868.80 869.88 | 868.98 870.35 | 869.09 870.68 | 868.95 871.02 | 868.79 871.24 | 868.78 871.45 | 870.03 871.60 | 870.78 871.69 | 871.10 871.72 | 871.49 871.75 | 871.90 871.69 | 872.15 871.62 | 871.78 871.79 | 870.46 871.96 | 871.52 872.13 | 872.30 | 872.47 | 872.64 | 872.80 | 872.93 | 873.06 | 873.20 | 873.33 | 873.45

2413'X280' 2414'X280' 2416'X280' 2418'X280' 2420'X280' 2422'X280' 2424'X280' 2426'X280' 'X280' 2428

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 - 2-LANE NORTH CROSSOVER	SHEET	E

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I176\SEC 05 PLAN & PROFILE

FILE NAME : 050300_PP (P&P X-OVER).DWG PLOT DATE : 10/9/2017 6:17 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 44

Standard Detail Drawing List

08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D02-06	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E11-02	TURBIDITY BARRIER
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
12A03-10	NAME PLATE (STRUCTURES)
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13A03-06	CONCRETE PAVEMENT SHOULDERS
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING
13B02-08A	CONCRETE PAVEMENT APPROACH SLAB
13B02-08B	STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB
13C01-18	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C11-11A	RURAL DOWELED CONCRETE PAVEMENT
13C11-11B	RURAL DOWELED CONCRETE PAVEMENT
13C18-05A	CONCRETE PAVEMENT JOINTING
13C18-05B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-05C	CONCRETE PAVEMENT JOINT TYPES
14B07-15A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-02A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B29-01	SAFETY EDGE
14B32-05A	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-05B	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-05C	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-05D	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-05E	CONCRETE BARRIER SINGLE SLOPE (CBSS)
15A02-09	DELINEATOR POST, DELINEATOR REFLECTOR AND DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15A04-03A	FLEXIBLE DELINEATOR POST
15A04-03B	DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A04-03C	DELINEATOR POST WITH REFLECTIVE SHEETING
15A04-03D	DELINEATOR WITH REFLECTIVE SHEETING
15B01-08A	FENCE WOVEN WIRE
15B01-08B	FENCE WOVEN WIRE
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C08-18A	LONGITUDINAL MARKING (MAINLINE)
15C11-07A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C19-04C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C31-02A	PAVEMENT MARKING (RAMPS AND GORES)

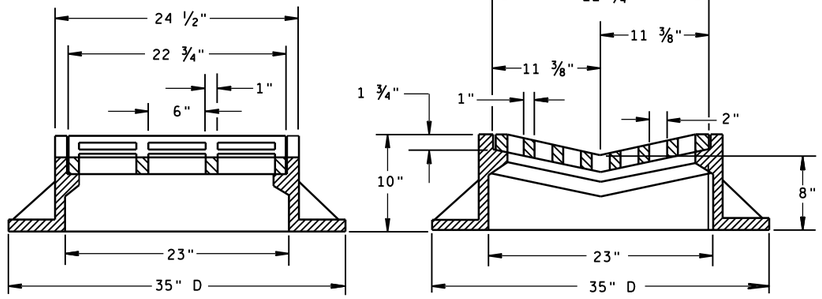
6

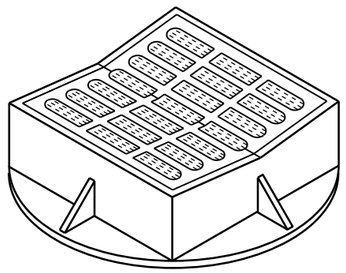
Standard Detail Drawing List

15D03-04	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER
15D38-01A	TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS
15D38-01B	ATTACHMENT OF SIGNS TO POSTS

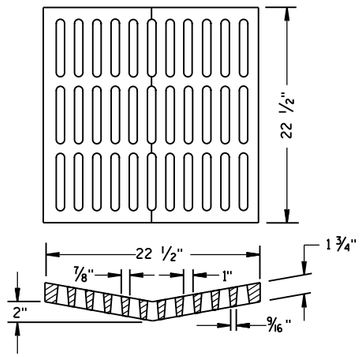
6

6



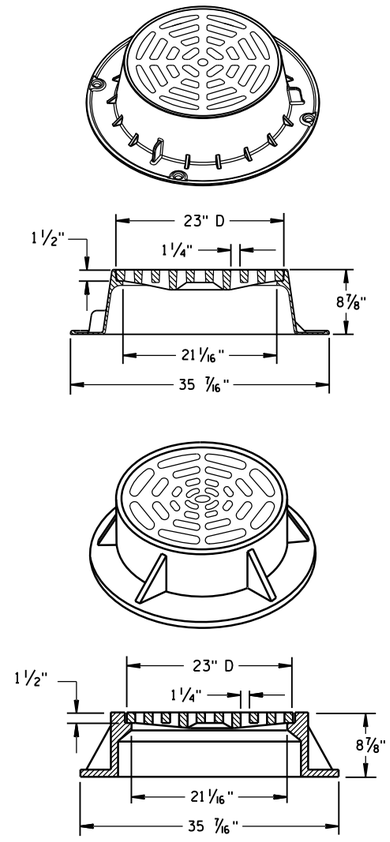


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

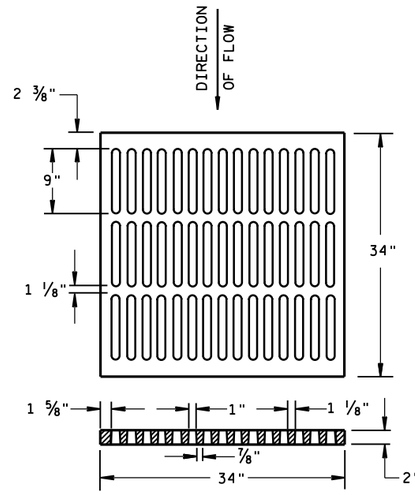
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

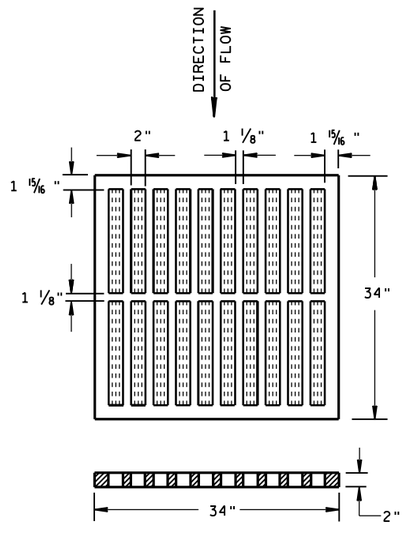
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



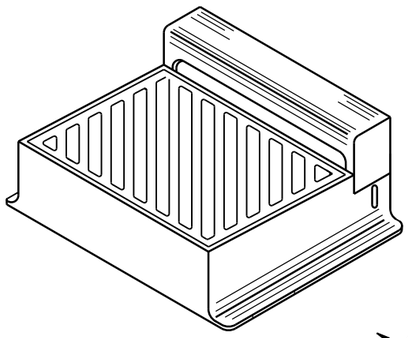
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

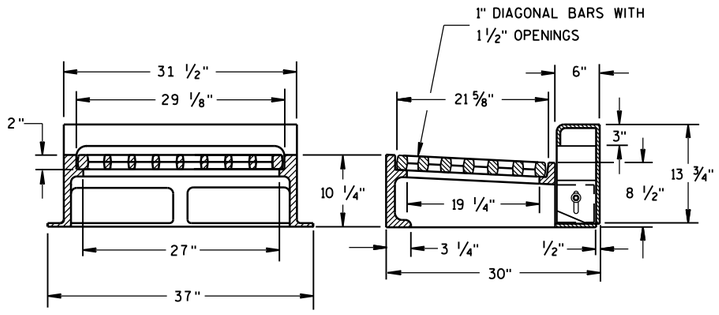


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

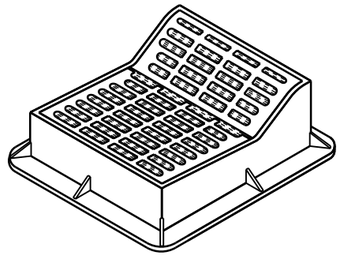
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

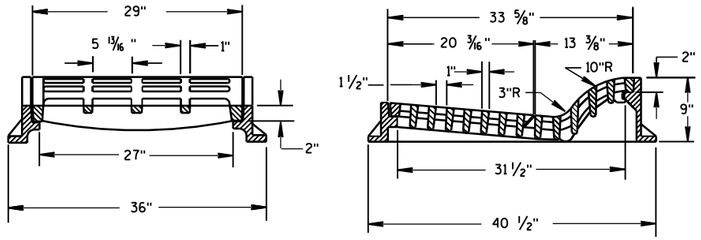
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

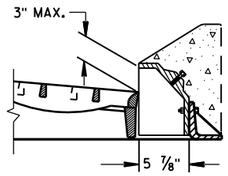
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

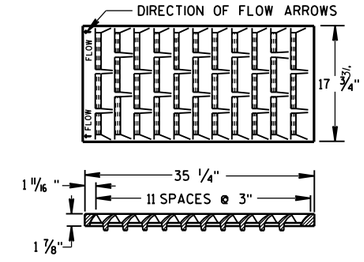
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

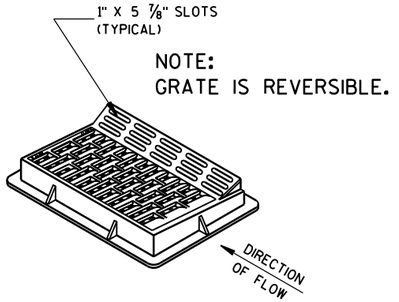
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

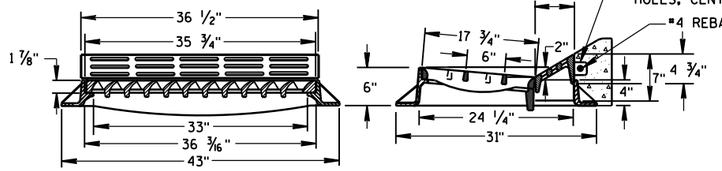
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



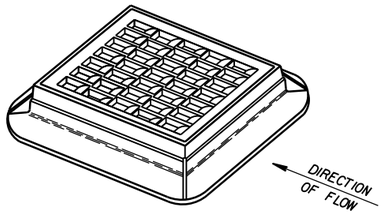


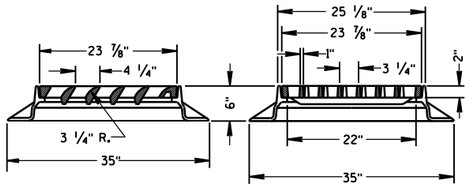


TYPE "HM"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE





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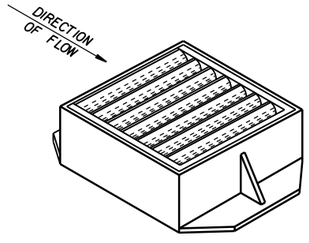

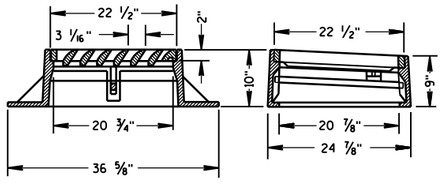

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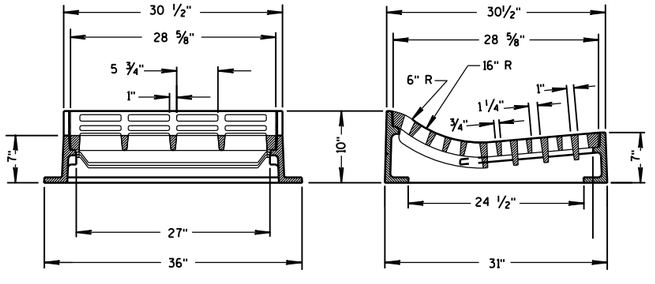
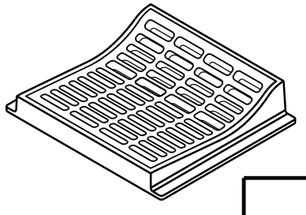




TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

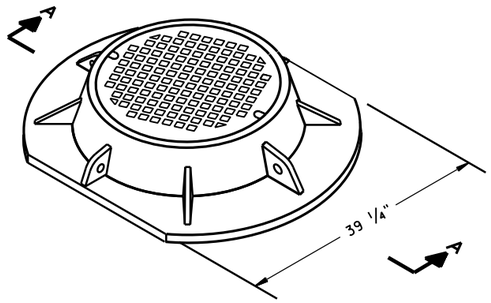
APPROVED
11/27/2013
DATE

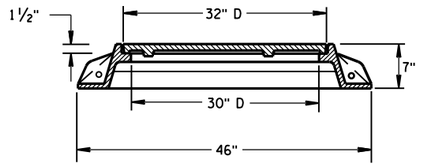
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

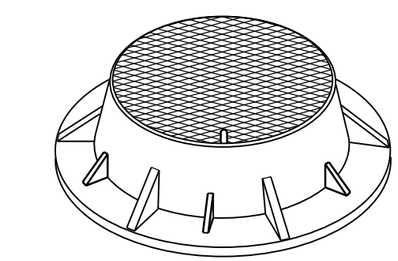
6

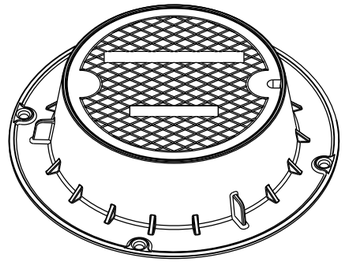
S.D.D. 8 A 5-19c

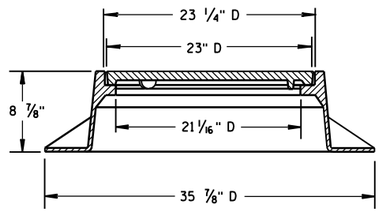


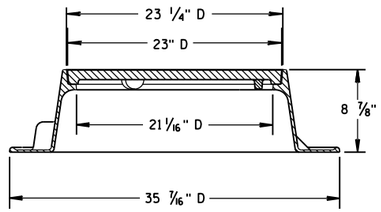


SECTION A-A
TYPE "K"









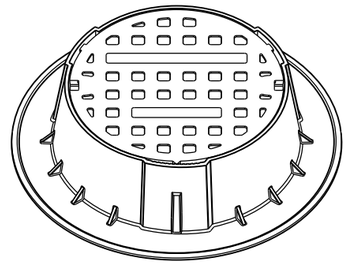
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

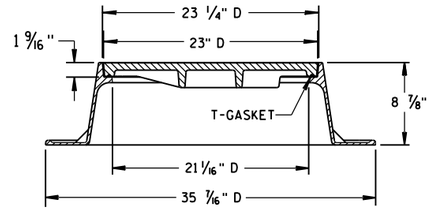
GENERAL NOTES

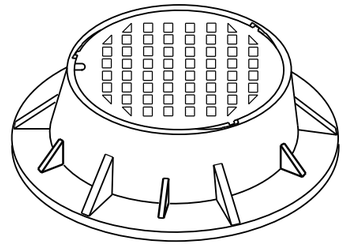
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

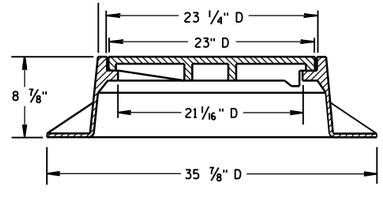
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

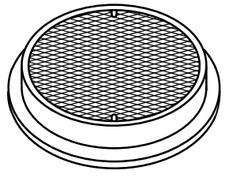


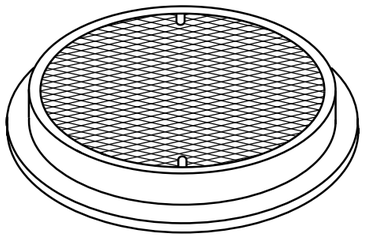


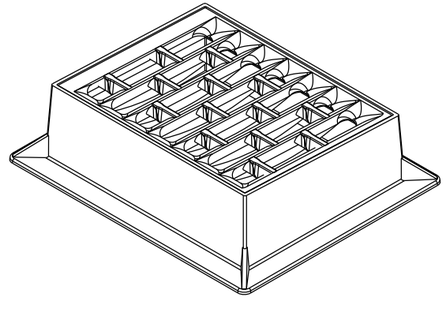


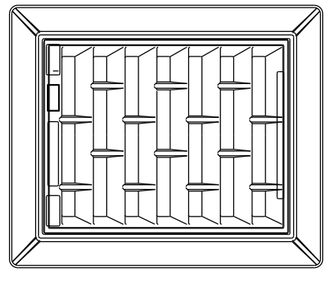


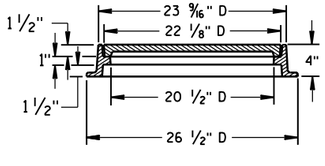
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



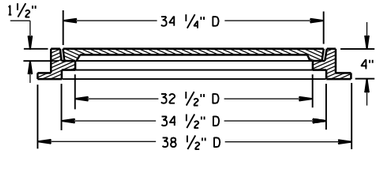




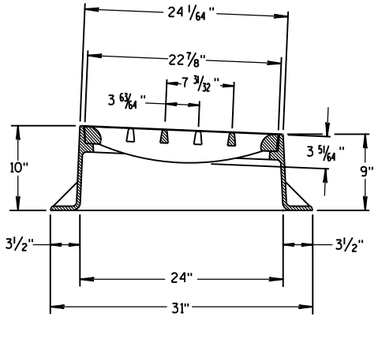


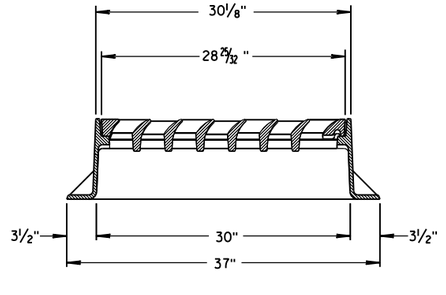


TYPE "L"



TYPE "M"





INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

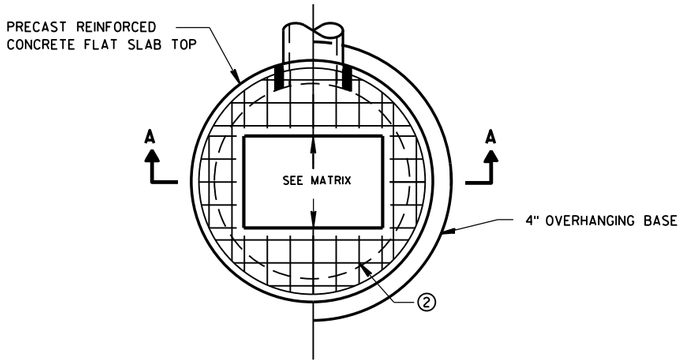
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

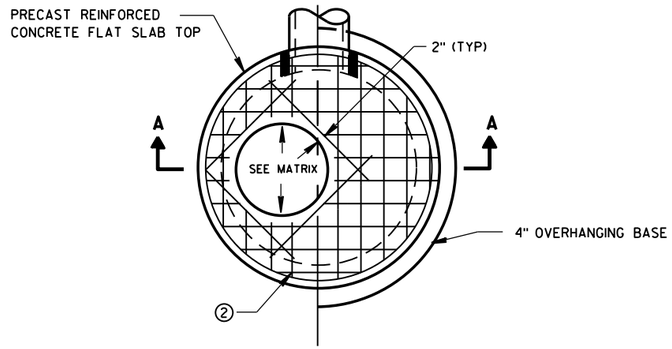
S.D.D. 8 A 5-19d

6

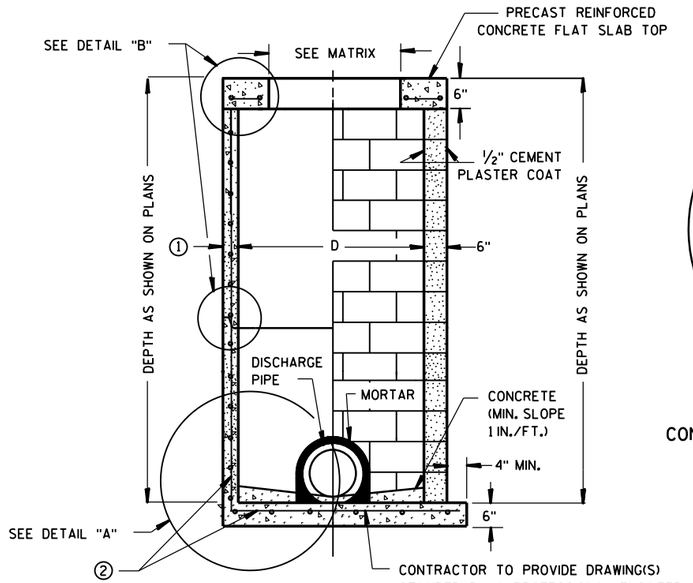
S.D.D. 8 A 5-19d



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

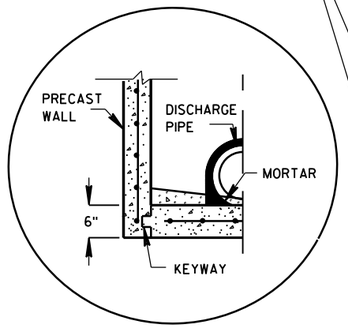


SECTION A-A

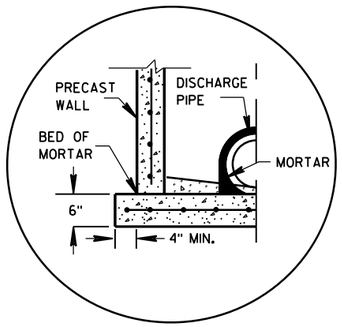
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

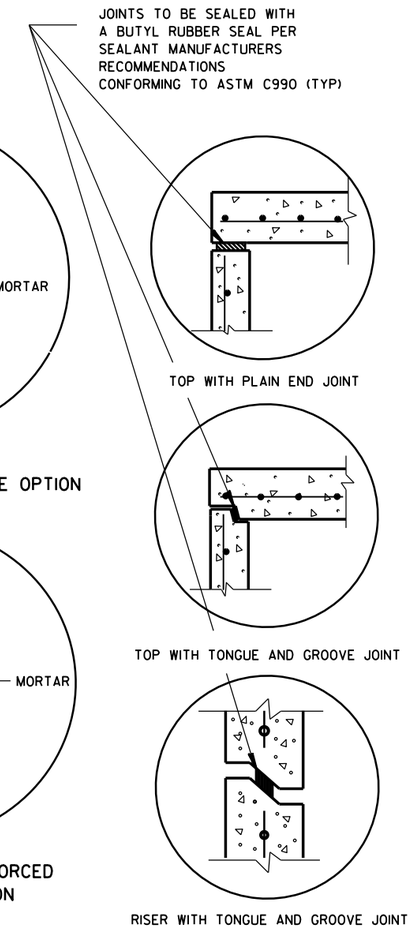


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

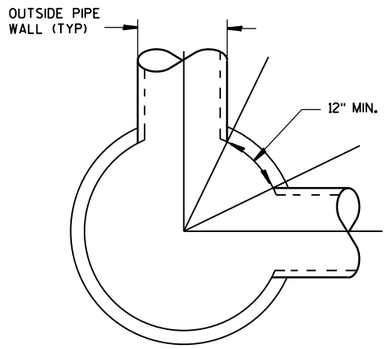
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
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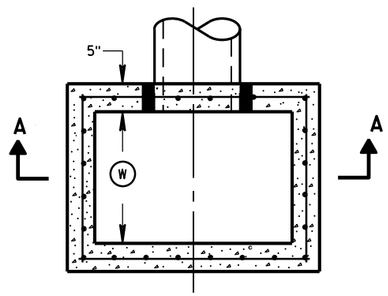
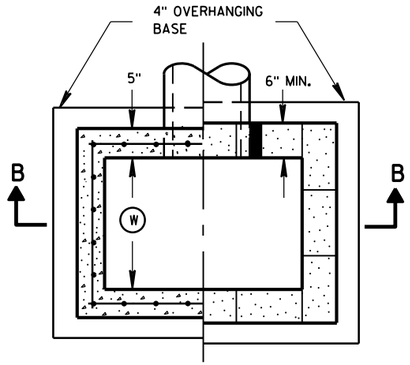
S.D.D. 8 C 6-2

6

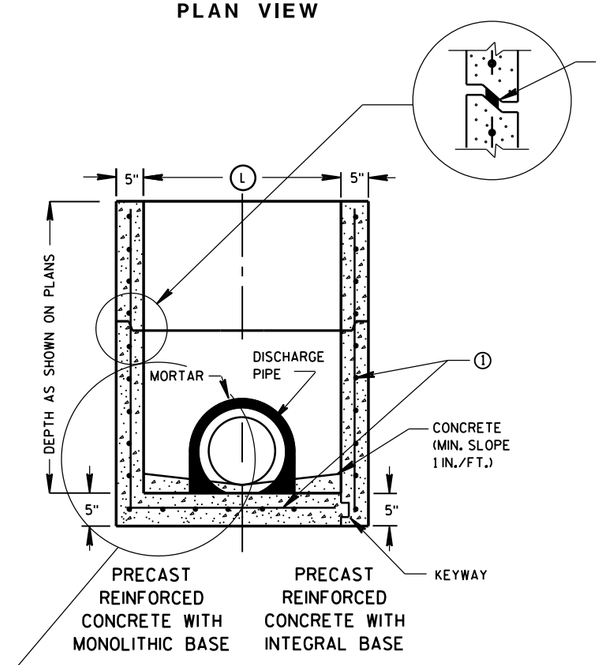
S.D.D. 8 C 6-2



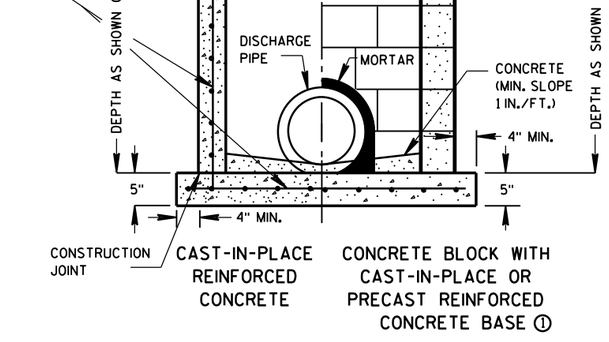
PLAN VIEW



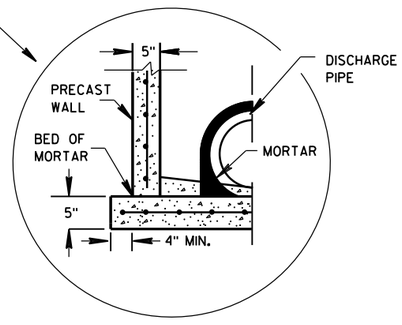
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

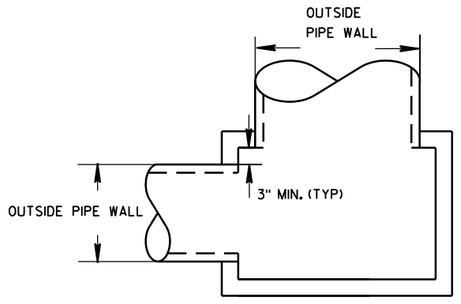
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

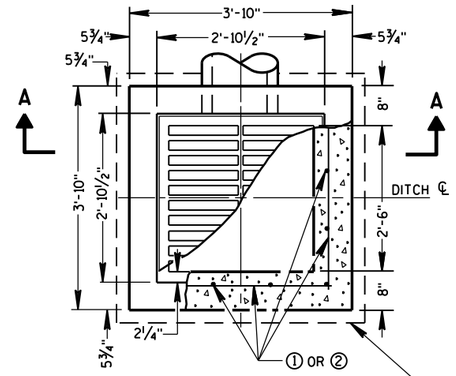
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

6

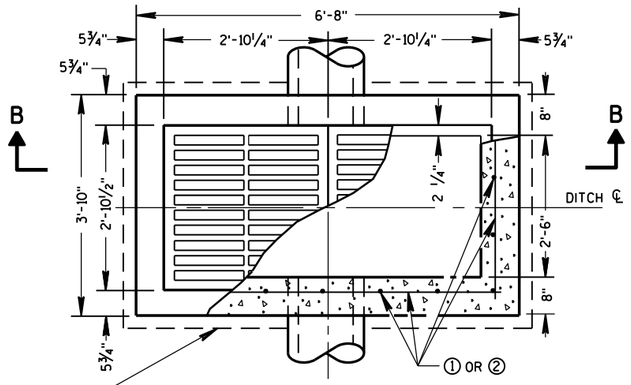
S.D.D. 8 C 7-2

6

S.D.D. 8 C 7-2

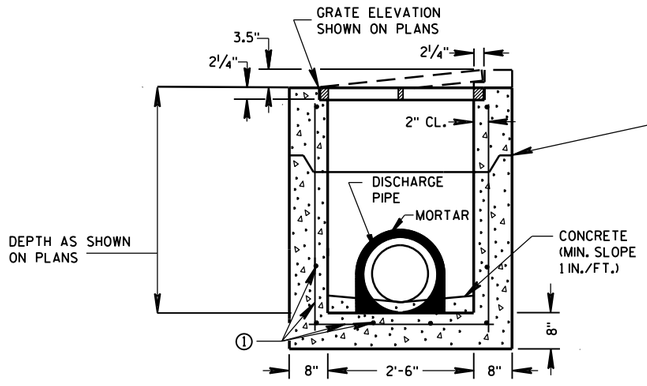


PLAN VIEW

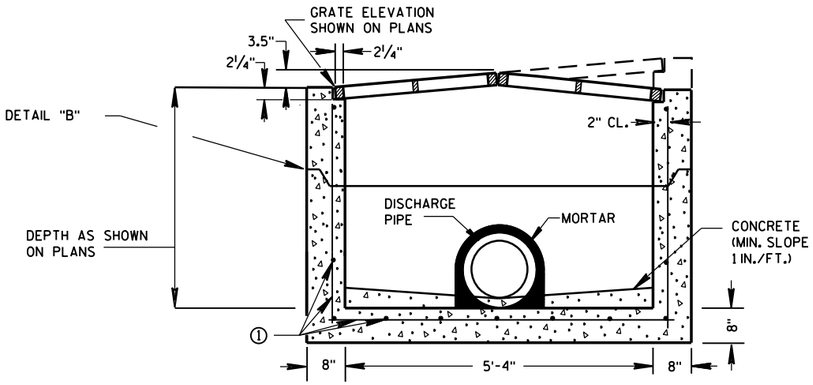


PLAN VIEW

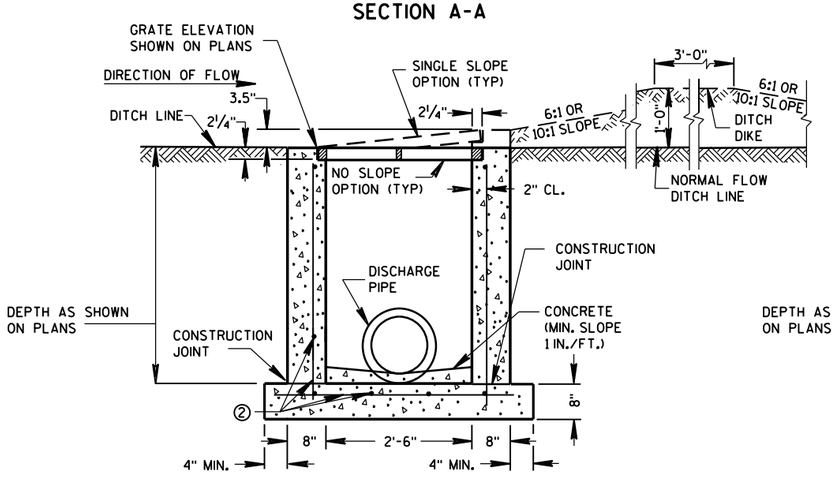
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



PRECAST REINFORCED CONCRETE SECTION A-A

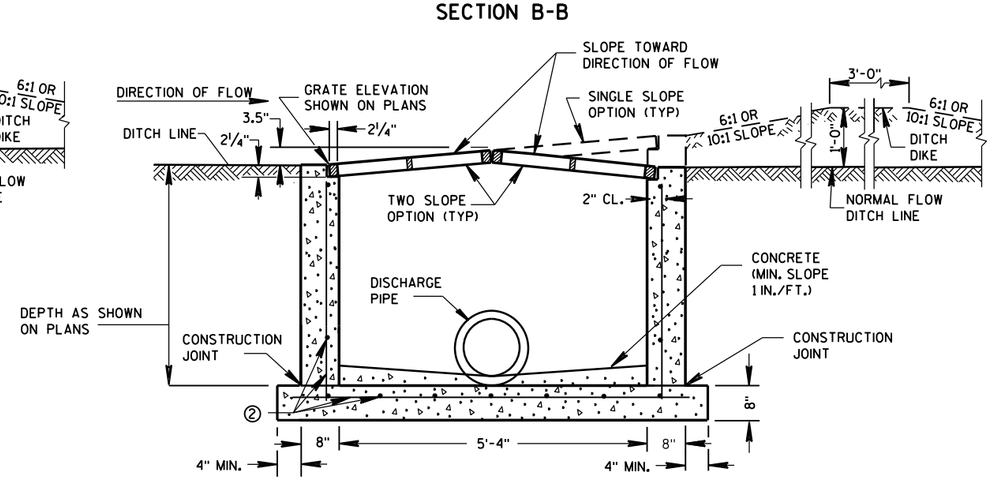


PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A

INLETS MEDIAN 1 GRATE



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

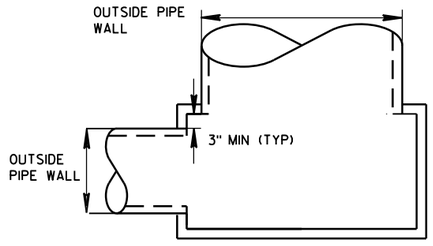
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

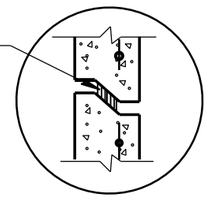
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

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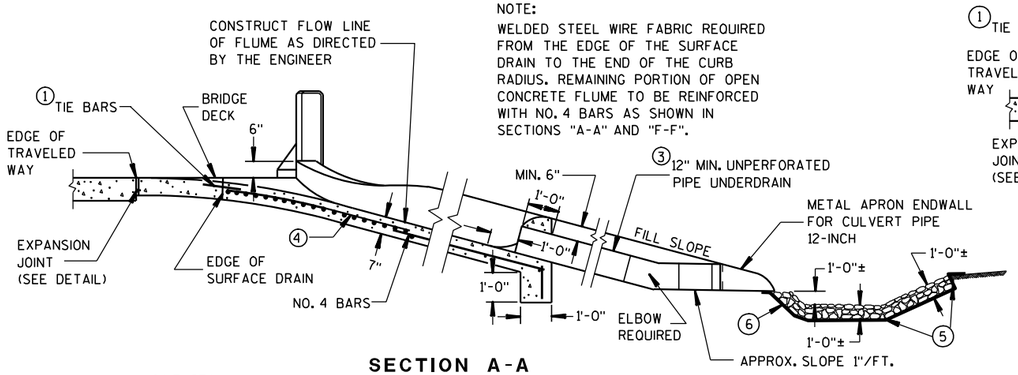
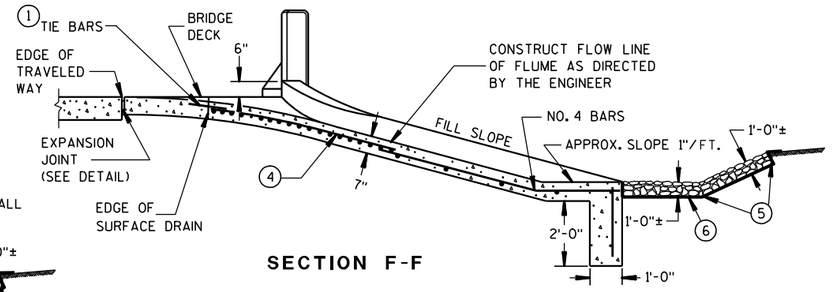
S.D.D. 8 C 8-2



SECTION A-A



SECTION F-F

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

(1) NO. 4 X 2'-0" TIE BARS SPACED AT 3'-0" CENTERS TO BE USED ONLY WHEN ADJACENT TO P.C. CONCRETE.

(2) NO. 4 X 2'-0" TIE BARS SPACED AT 12" CENTERS TO BE PLACED BY BRIDGE CONTRACTOR, OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PIPE UNDERDRAIN MAY BE ANY OF THE MATERIALS LISTED IN SECTION 612.2 OF THE STANDARD SPECIFICATIONS EXCEPT DRAIN TILE.

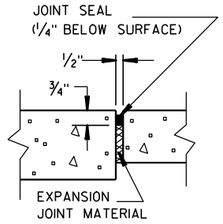
(4) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C-C.

(5) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.

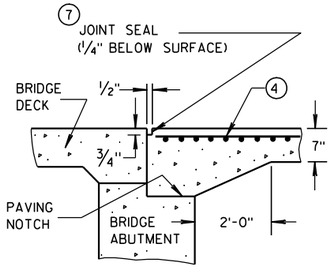
(6) GEOTEXTILE FABRIC, TYPE 'R"

(7) HOT POURED SEALANT UNLESS OTHERWISE SPECIFIED.

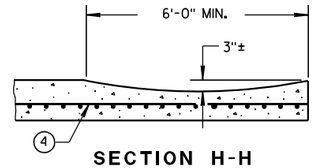
(8) THIS DIMENSION MAY VARY DEPENDING ON THE SPACING OF POSTS FOR THE STEEL PLATE BEAM GUARD. THE TYPICAL LOCATION FOR THE SURFACE DRAIN IS WHERE THE POST SPACING WIDENS TO 3'-1½".



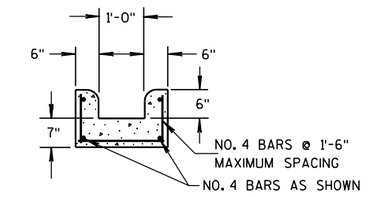
EXPANSION JOINT DETAIL



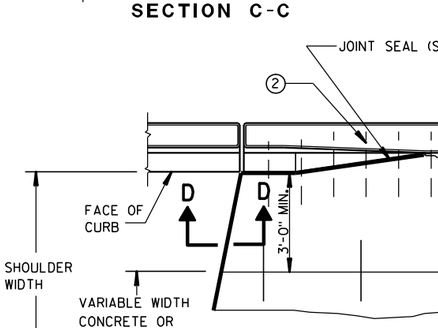
SECTION D-D



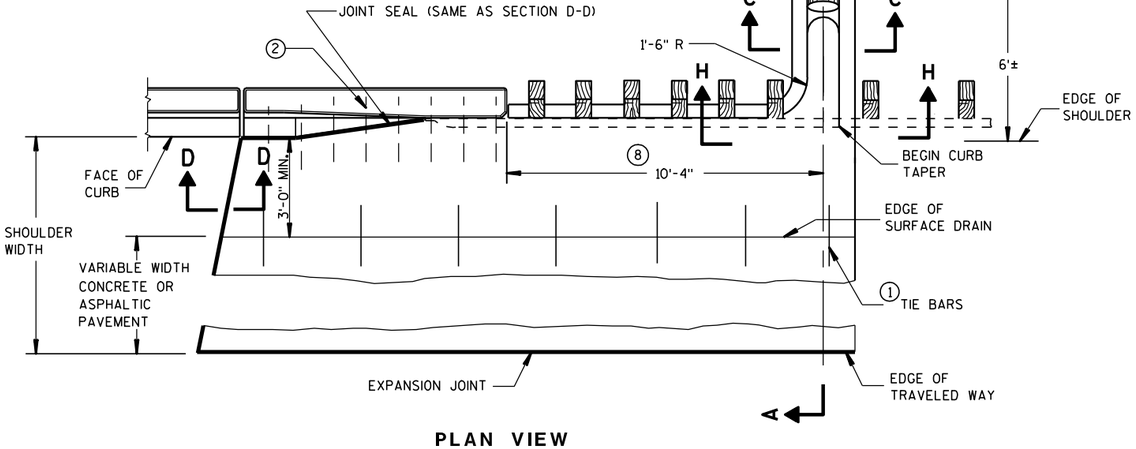
SECTION H-H



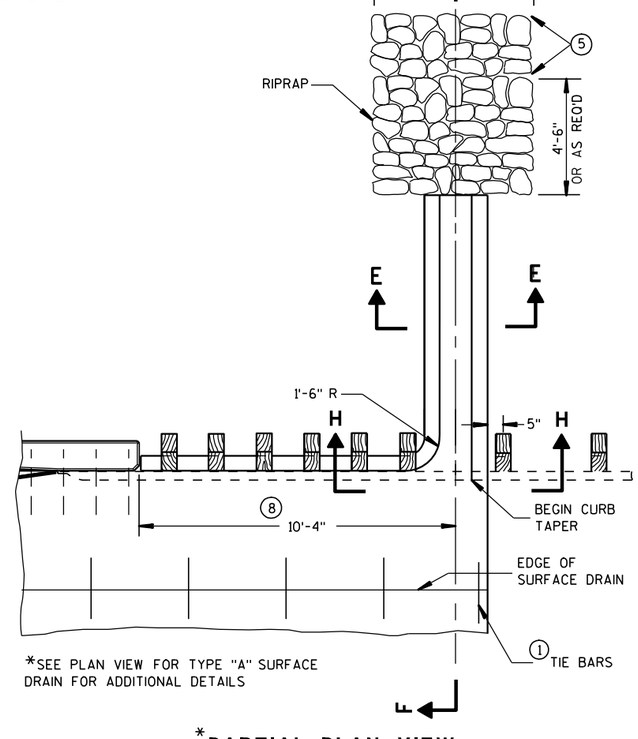
SECTION E-E



SECTION C-C

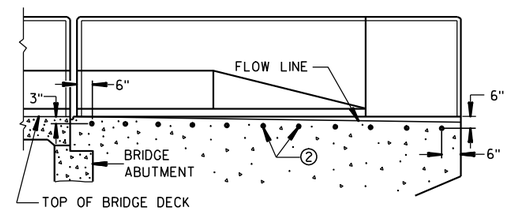


PLAN VIEW
SURFACE DRAIN WITH PIPE
TYPE "A"



*SEE PLAN VIEW FOR TYPE "A" SURFACE DRAIN FOR ADDITIONAL DETAILS

*PARTIAL PLAN VIEW
SURFACE DRAIN WITHOUT PIPE
TYPE "B"



LOCATION OF
TIE BARS IN WINGWALL

CONCRETE SURFACE DRAINS
FLUME TYPE
AT STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/4/08
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
220
FHWA

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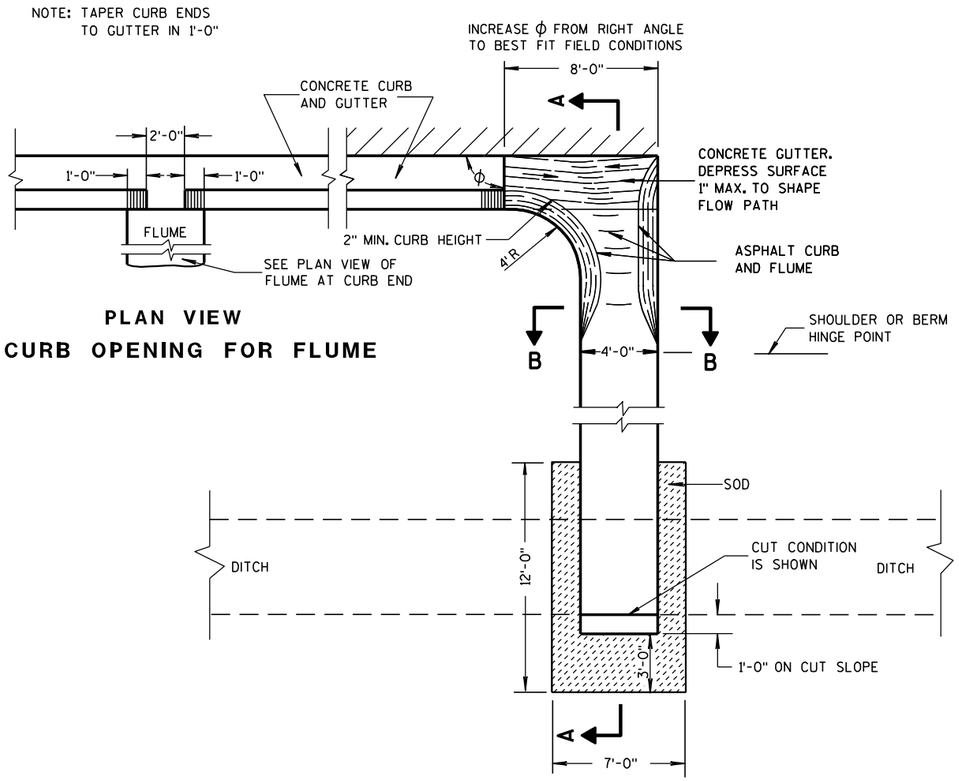
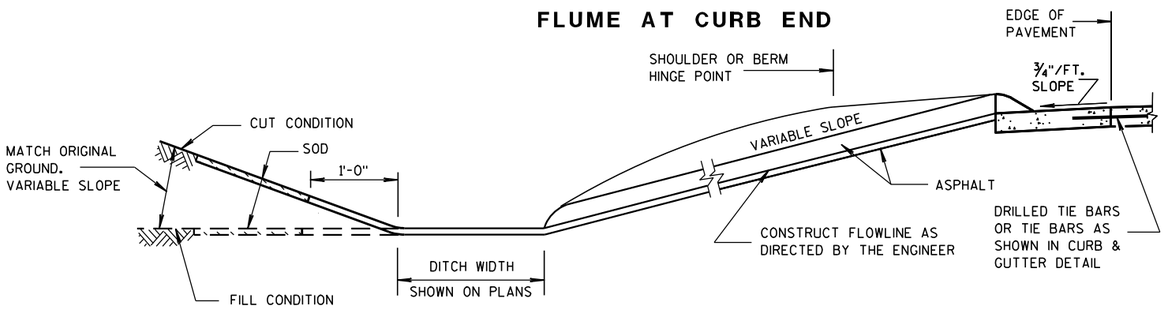
ASPHALTIC FLUME

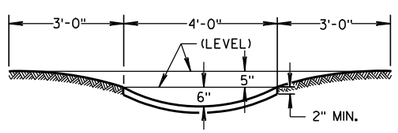


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

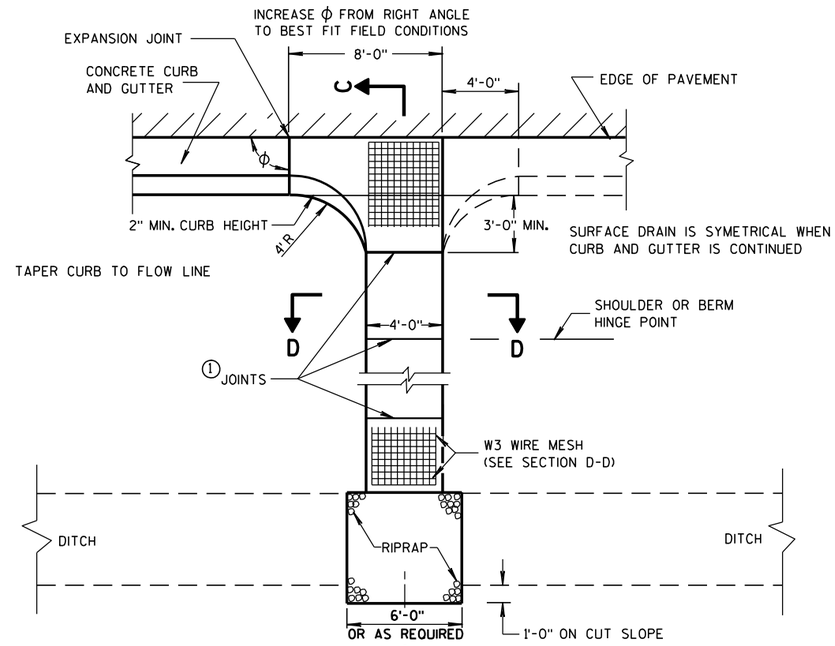
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

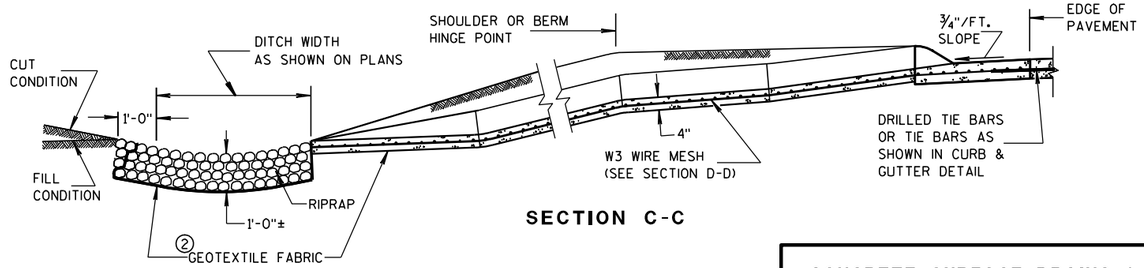
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

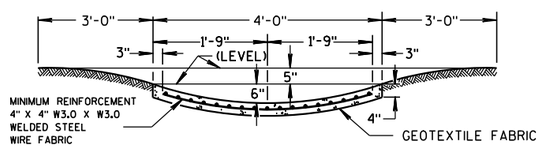
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
221
MENT
FHWA

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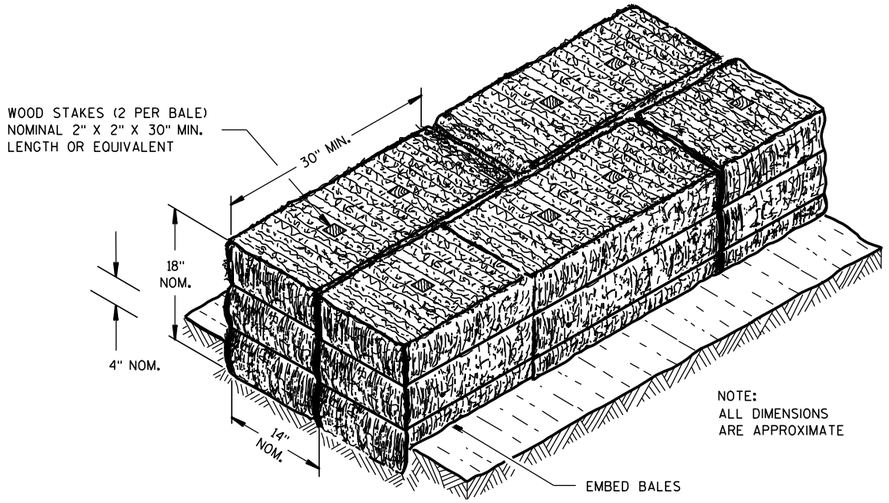
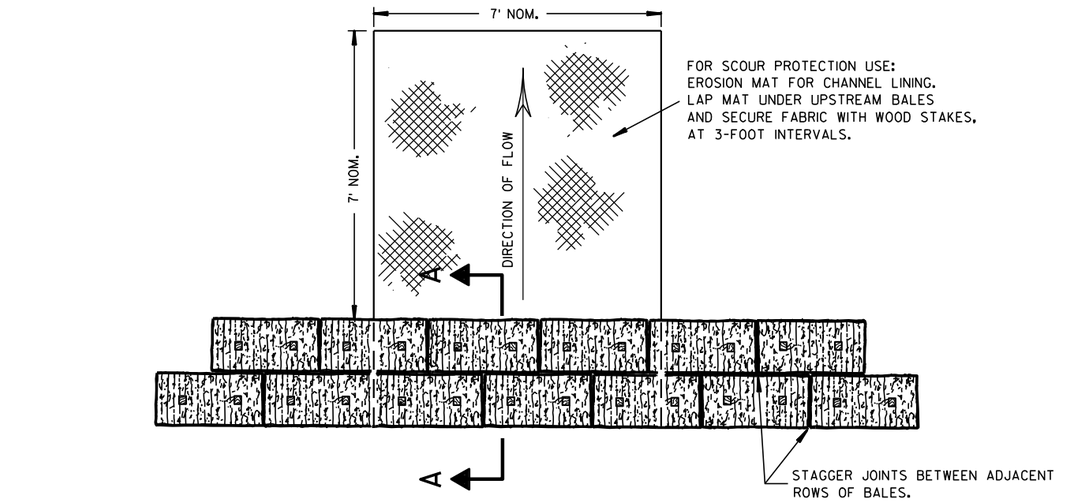
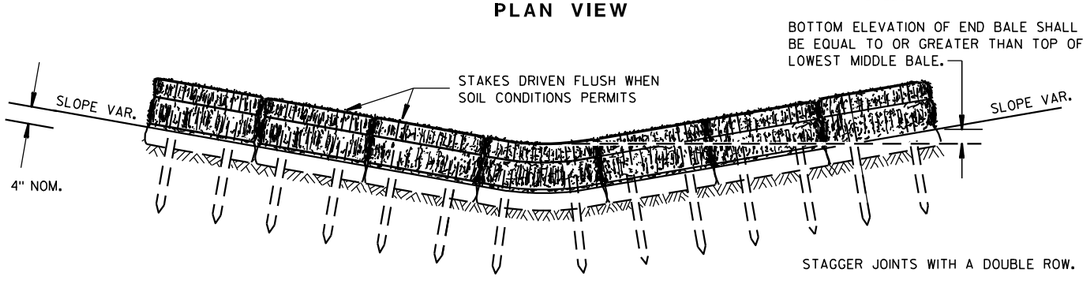
S.D.D. 8 D 4-5



SECTION A-A



PLAN VIEW



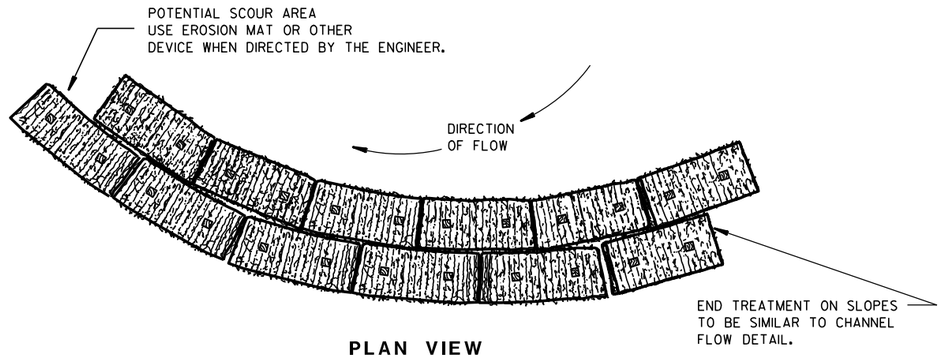
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

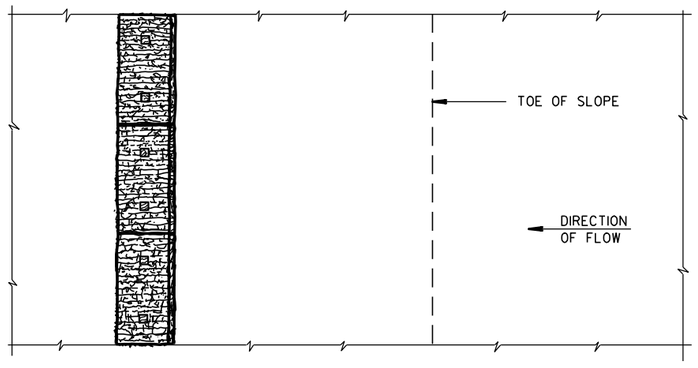
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

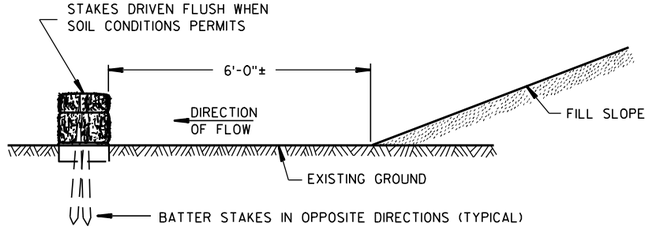


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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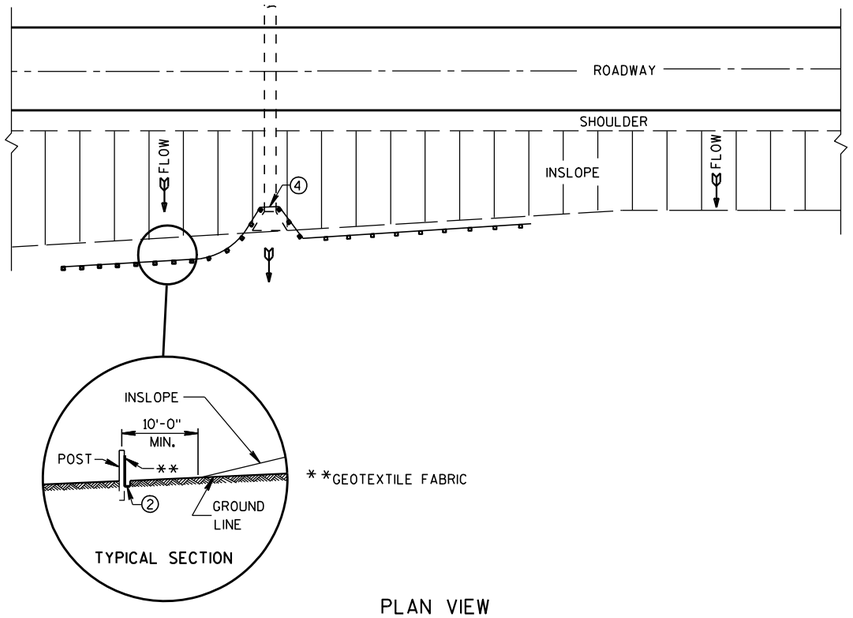
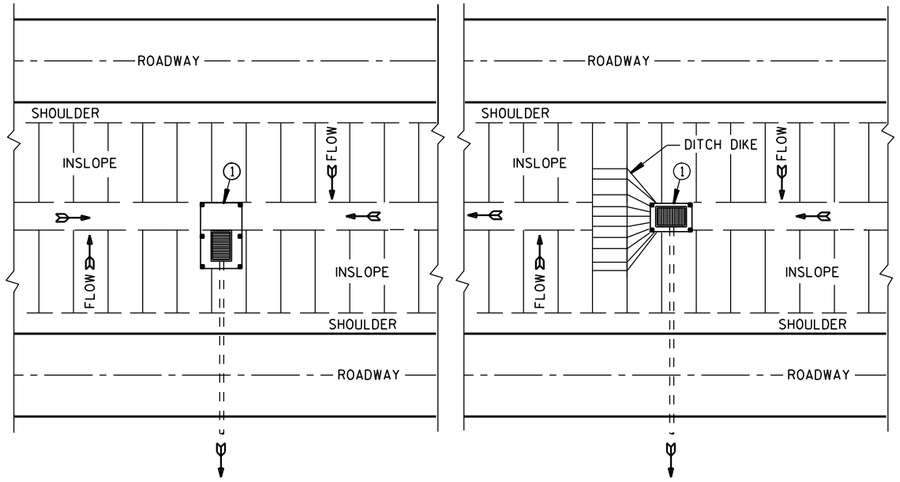
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

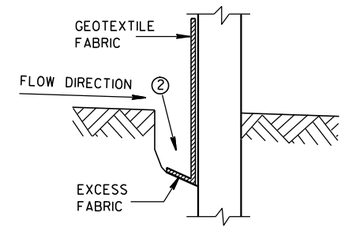
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

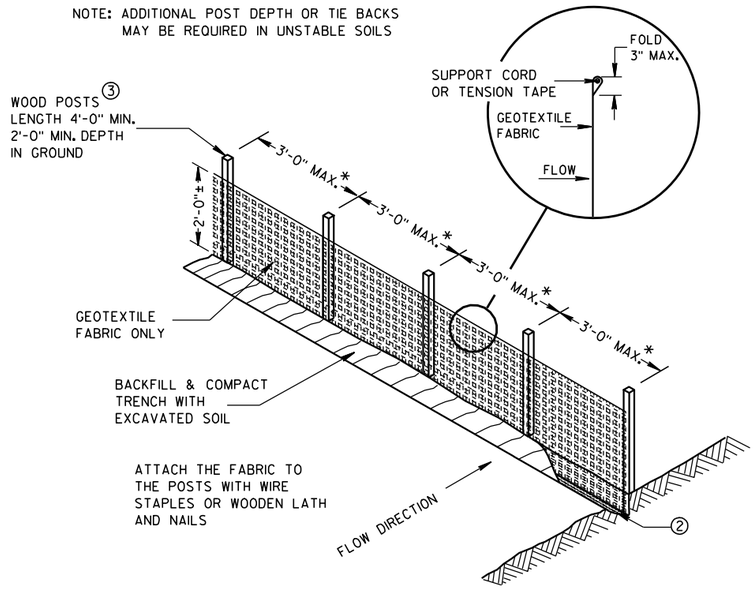
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

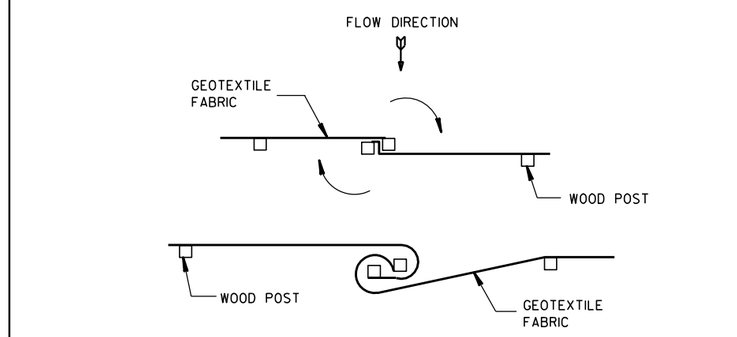


TRENCH DETAIL

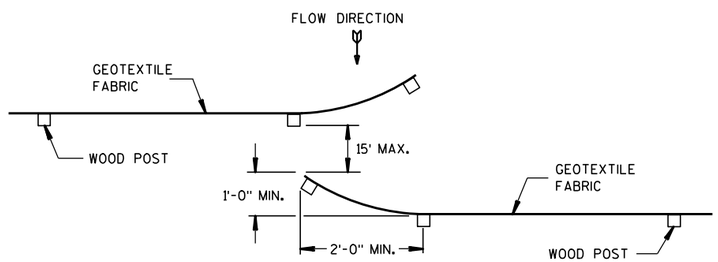


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

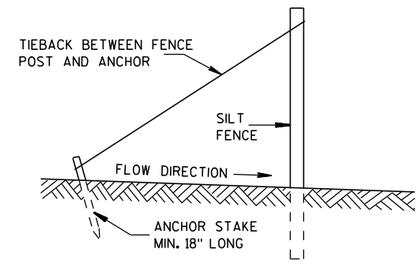


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

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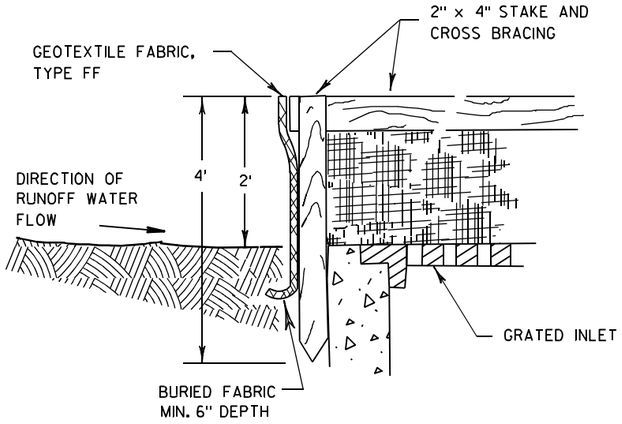
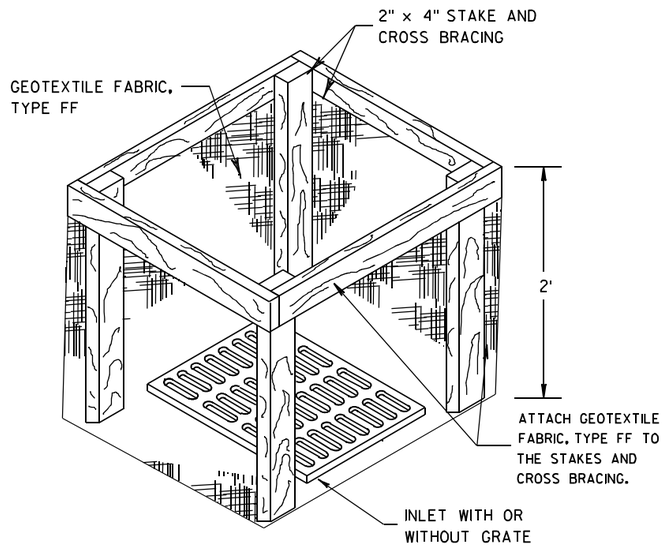
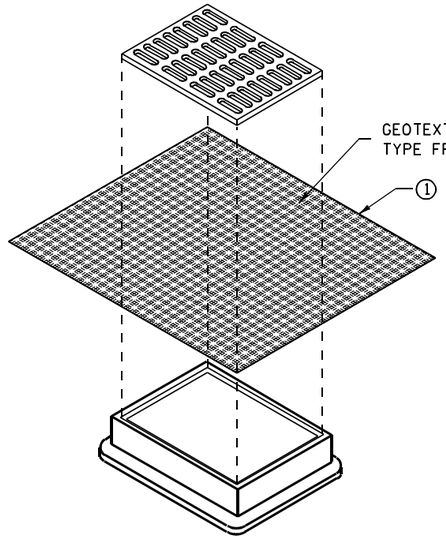
S.D.D. 8 E 9-6



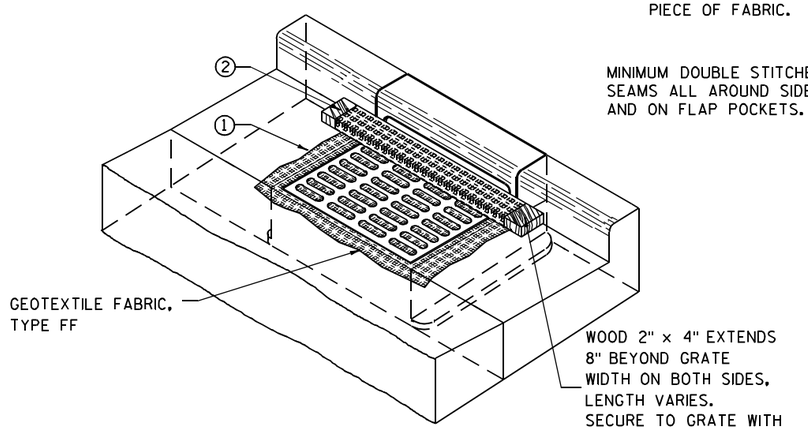


INLET PROTECTION, TYPE A

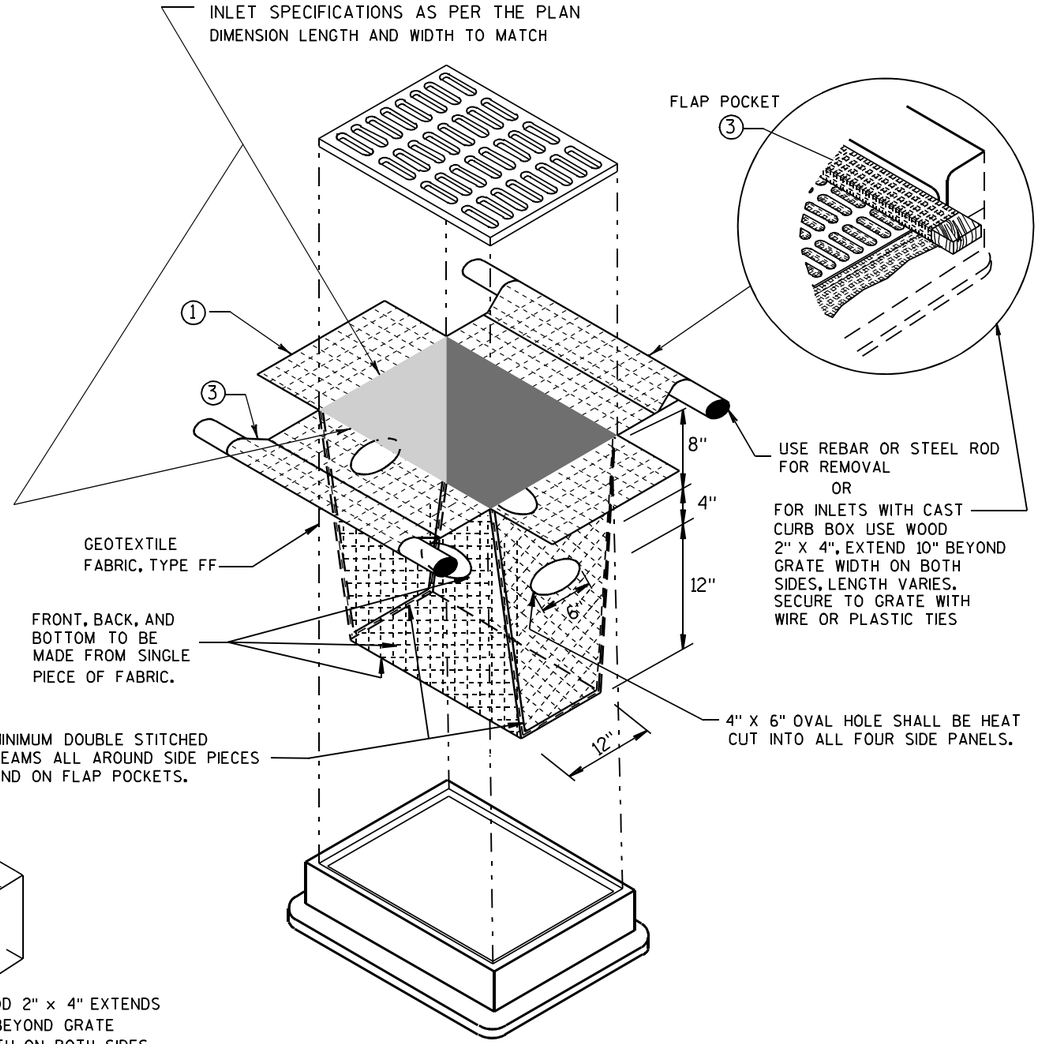


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 E 10-2

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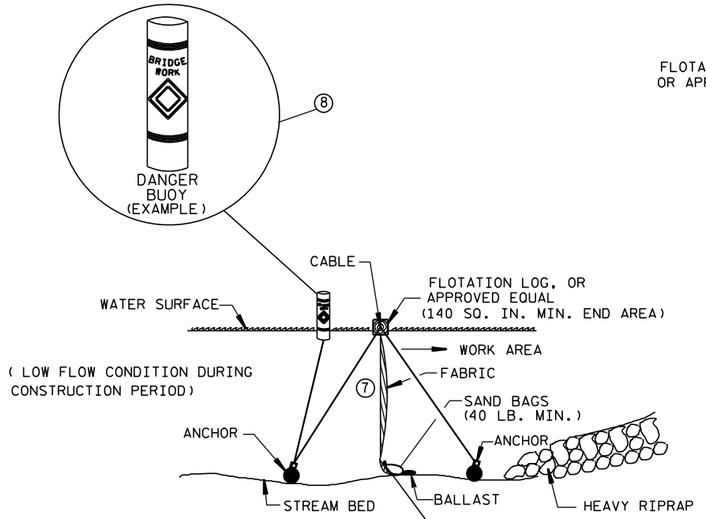
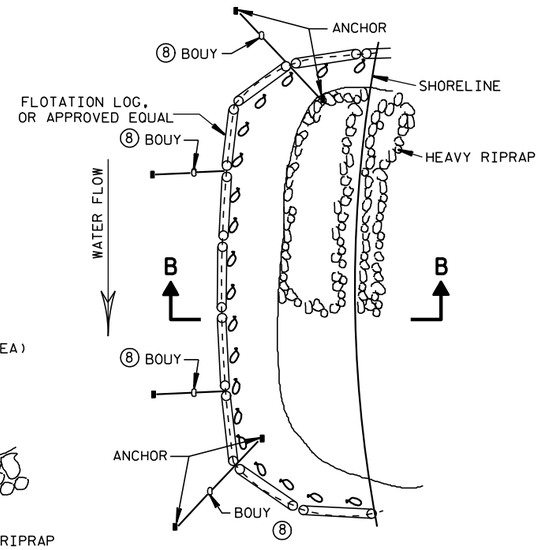
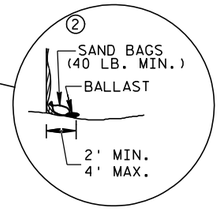
S.D.D. 8 E 10-2

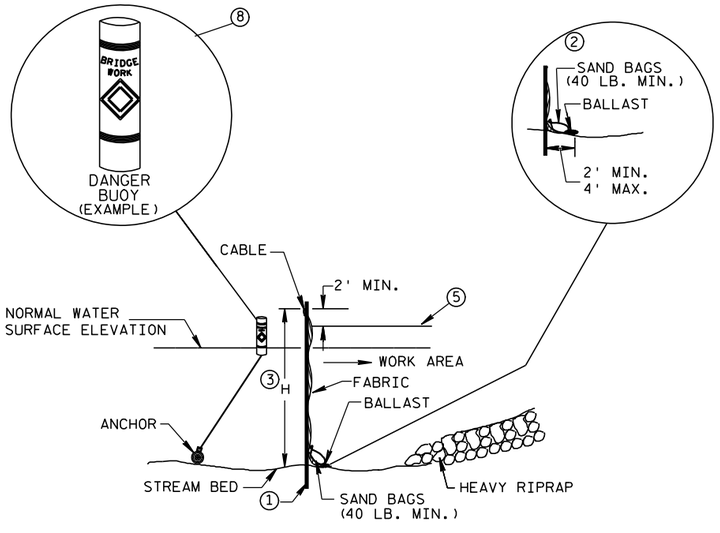


SECTION B-B

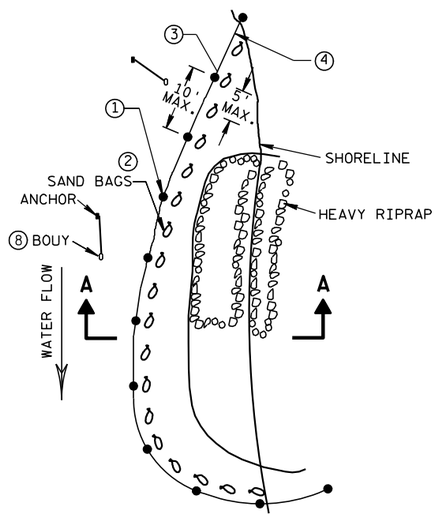


TURBIDITY BARRIER FLOAT ALTERNATIVE
CAUTION - SEE NOTE 6





SECTION A-A



PLAN VIEW

TURBIDITY BARRIER STANDARD POST INSTALLATION

TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.

② SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.

③ WHEN BARRIER HEIGHT, H, EXCEEDS 8 FT., POST SPACING MAY NEED TO BE DECREASED.

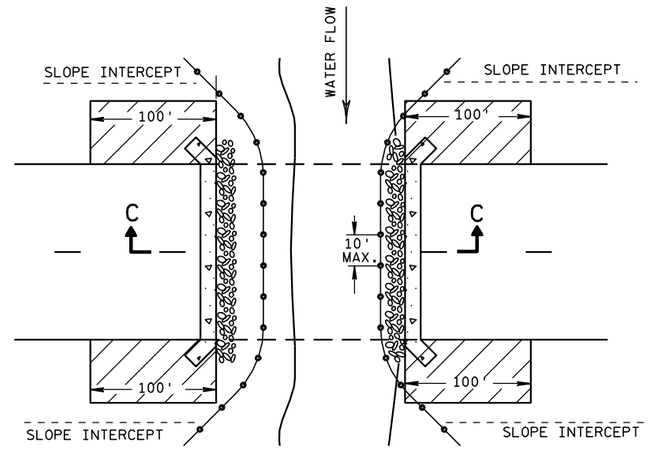
④ IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.

⑤ ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MIMIMUM BARRIER HEIGHT SHALL BE 2'GREATER THAN EITHER THE 02 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WICHEVER IS GREATER.

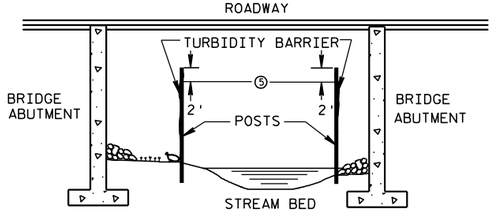
⑥ FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BED ROCK PREVENTS THE INSTALLATION OF POSTS.

⑦ ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.

⑧ USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/04/02 DATE
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 11-2

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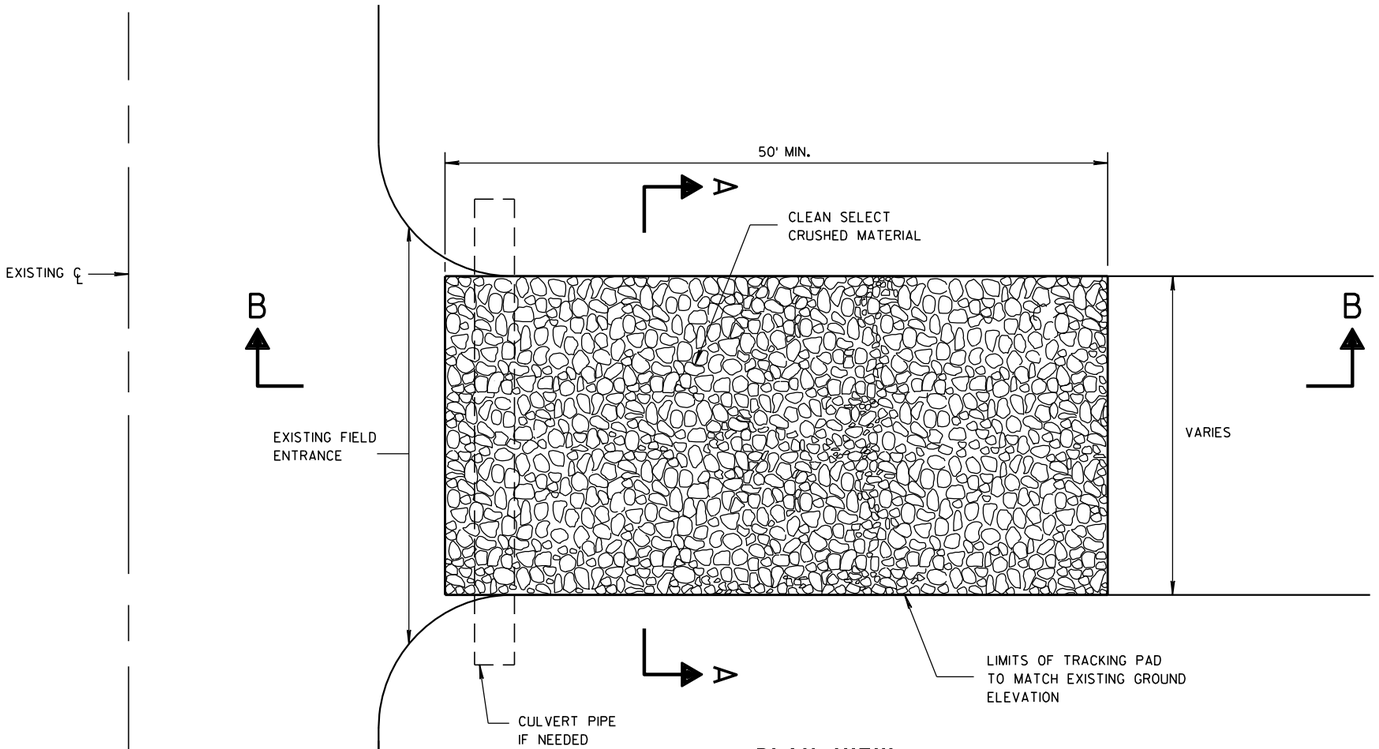
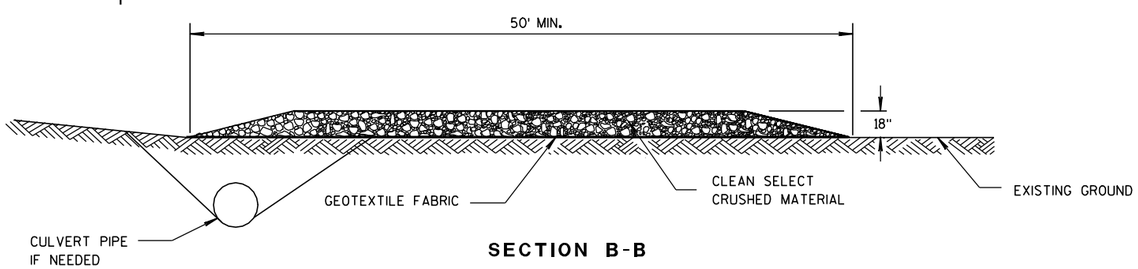
S.D.D. 8 E 11-2



PLAN VIEW



SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

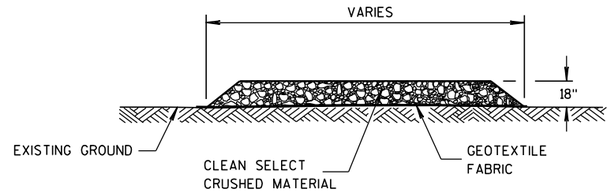
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

6

S.D.D. 8 E 14-1

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/24/2011
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS ENGINEER

FHWA

ENT

6

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

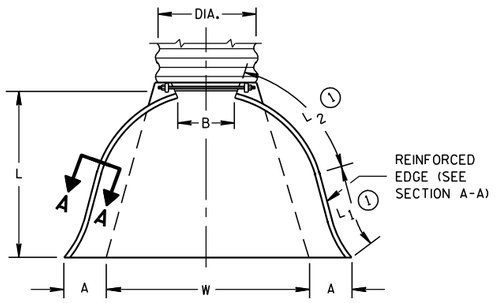
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

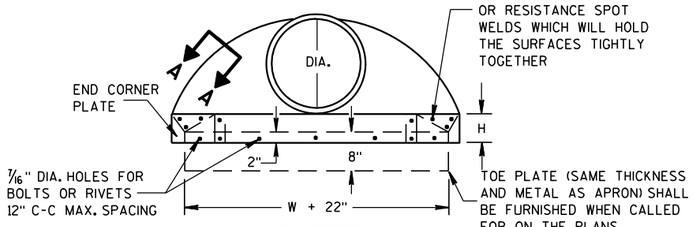
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

*MINIMUM
**MAXIMUM



PLAN VIEW



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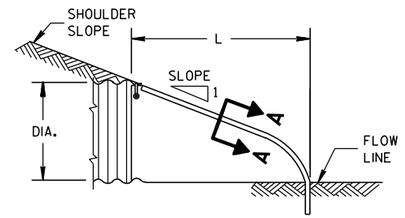
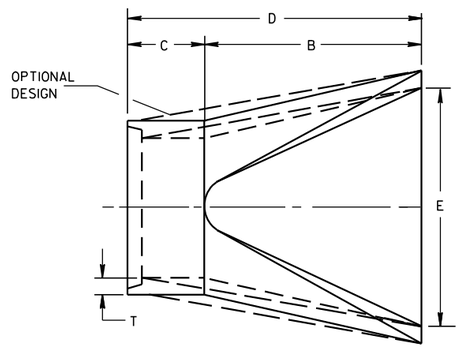
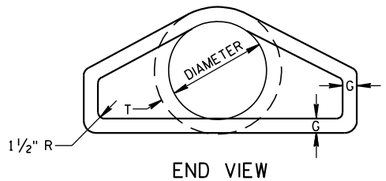


SIDE ELEVATION

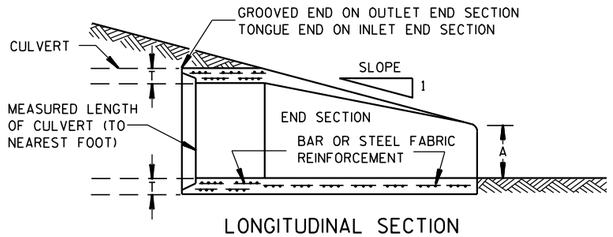
METAL ENDWALLS



PLAN

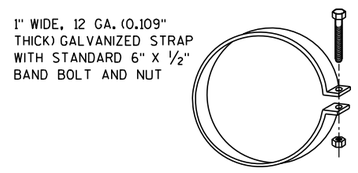


END VIEW



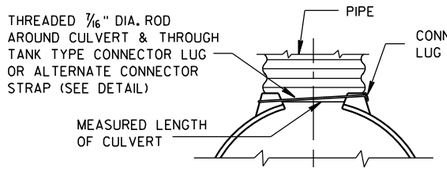
LONGITUDINAL SECTION

CONCRETE ENDWALLS

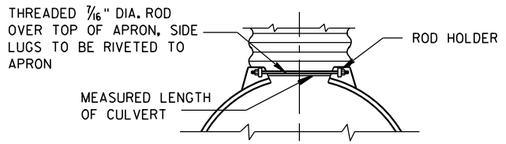


ALTERNATE FOR TYPE 1 CONNECTION

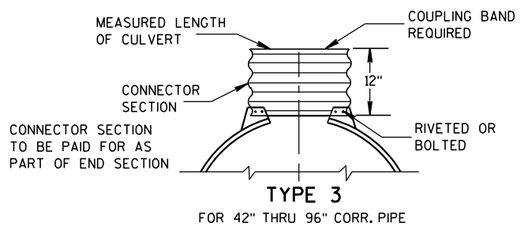
END SECTION CONNECTOR STRAP



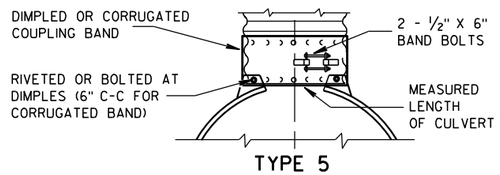
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

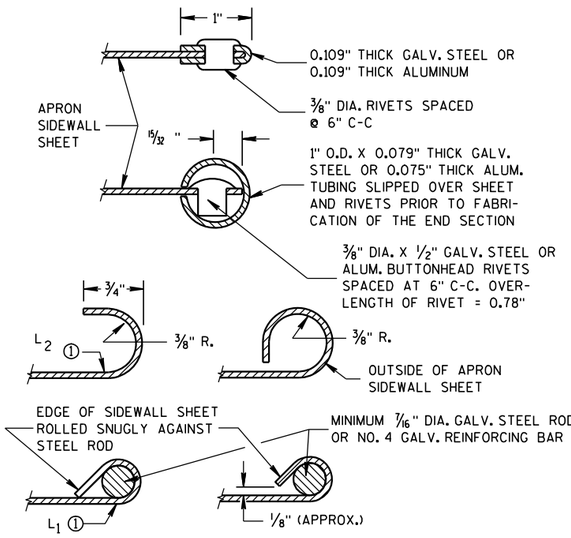
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

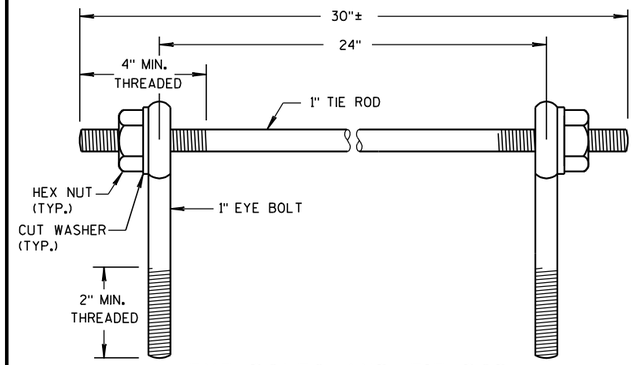
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

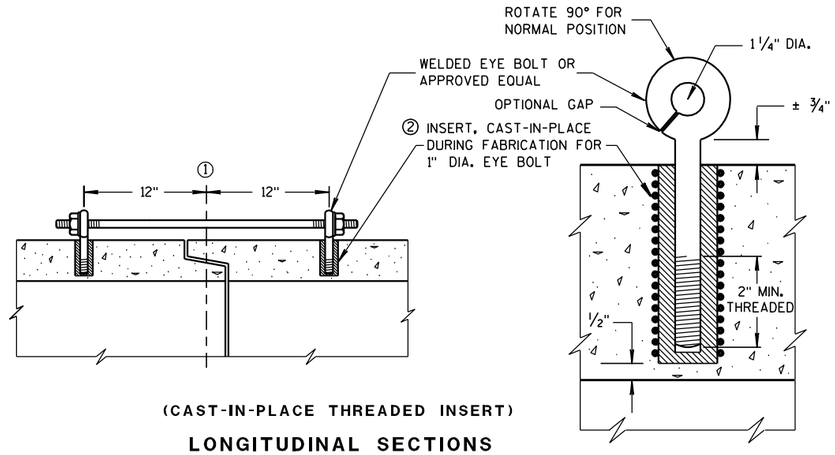
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

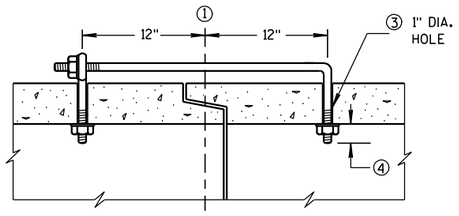
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

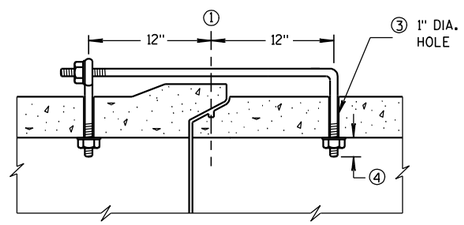
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

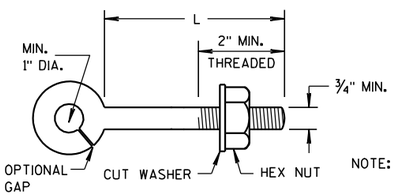


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

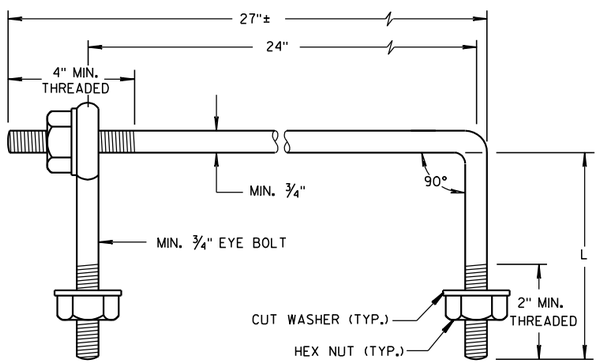
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

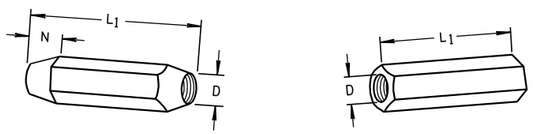
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

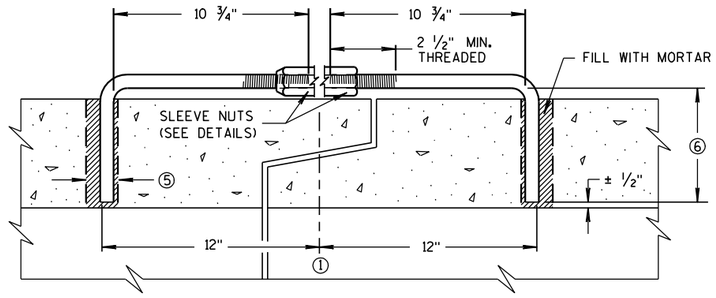
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

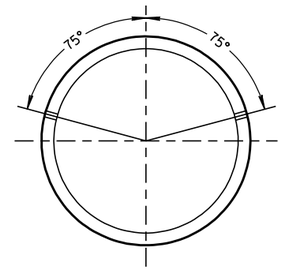
SLEEVE NUTS



LONGITUDINAL SECTION

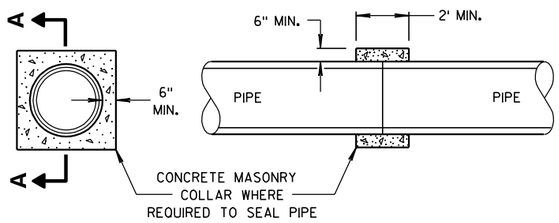
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

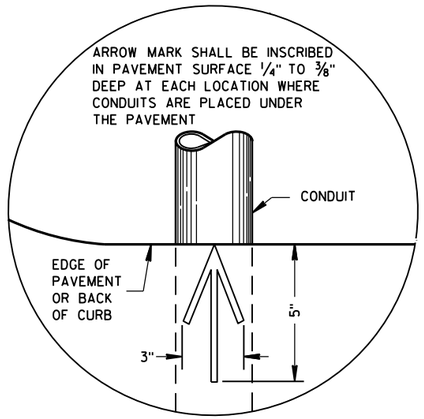
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
228
FHWA

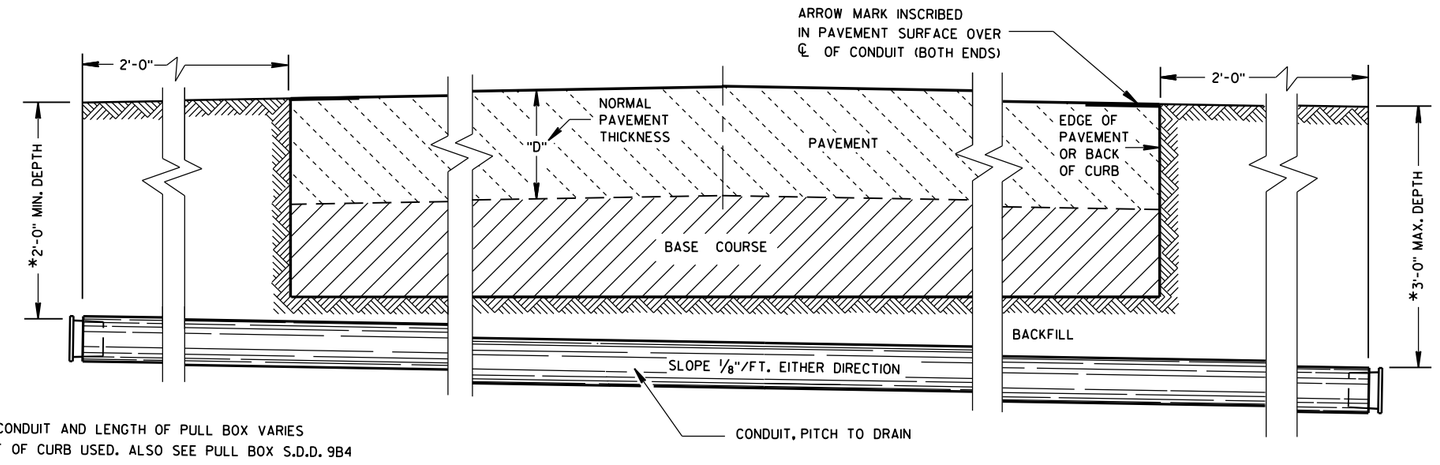
6

S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

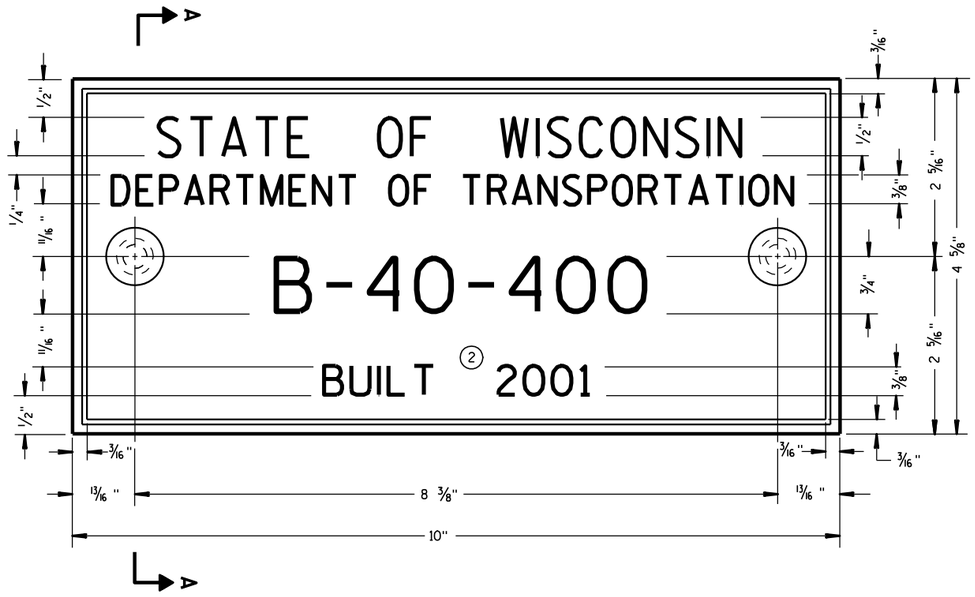
TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 229
FHWA



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

FOR MULTI-UNIT STRUCTURES
LINE 3 ABOVE SHALL READ

B = BRIDGE
C = CULVERT
R = RETAINING WALL

COUNTY NO.

BRIDGE NO.

UNIT NO. FOR MULTIPLE UNIT BRIDGE

B-40-400-1A

NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

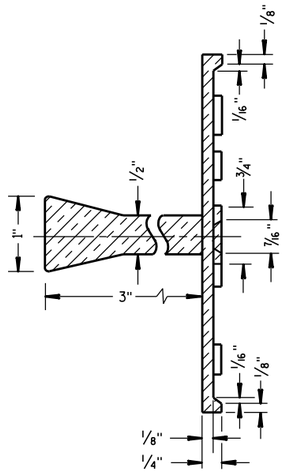
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

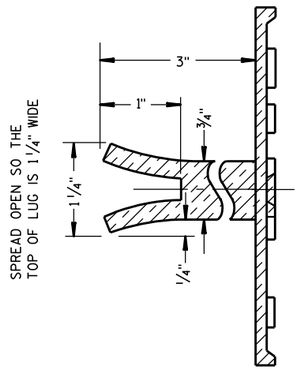
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

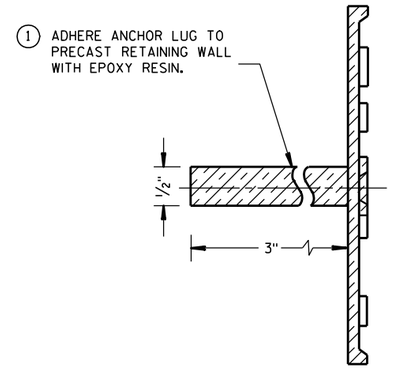
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

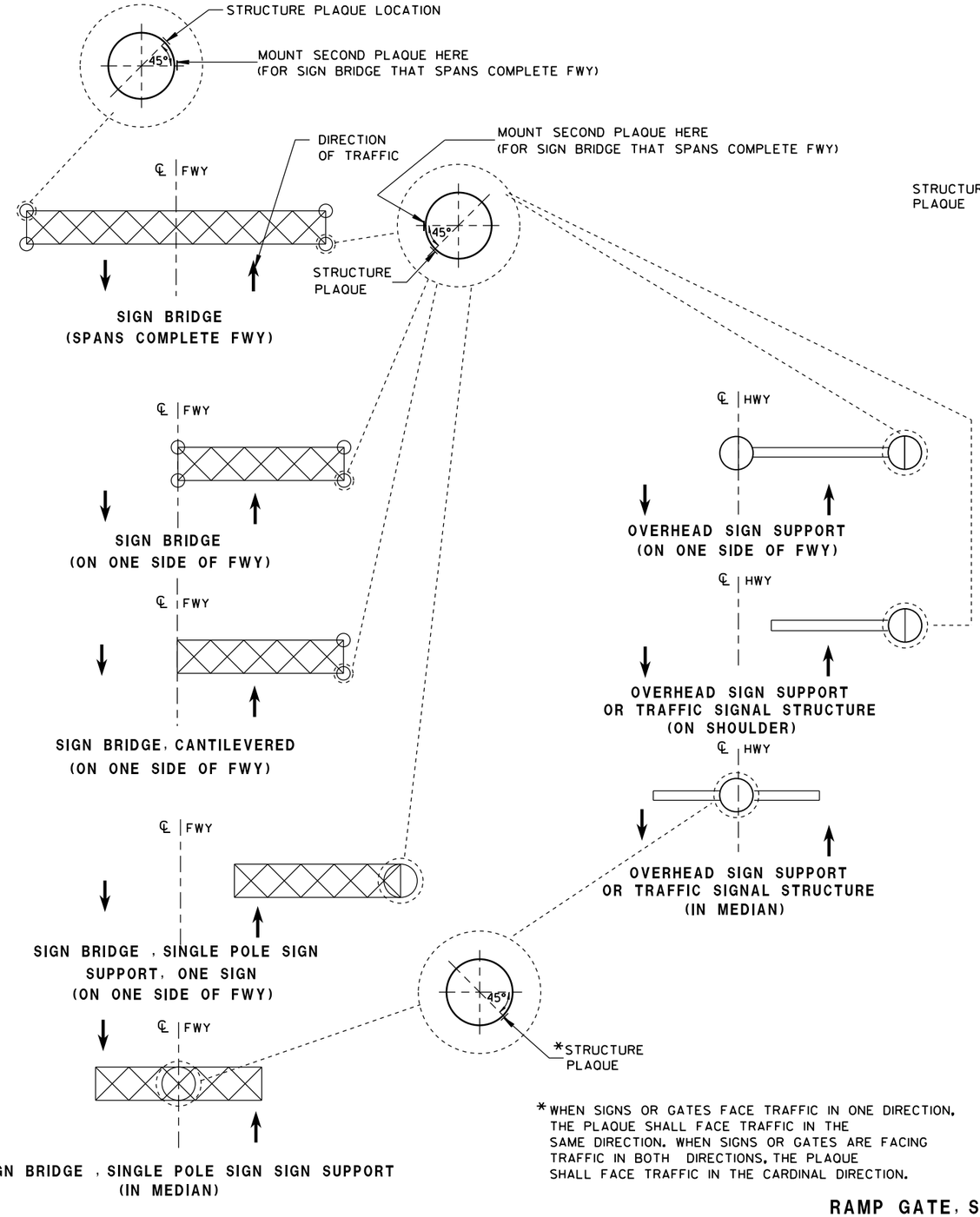
3/26/10 DATE

/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOP 230 ENGINEER

FHWA

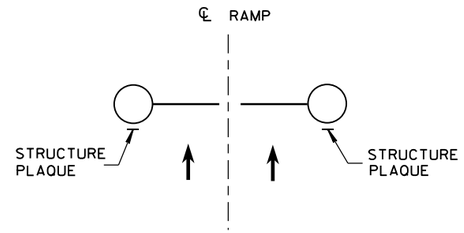
6

S.D.D. 12 A 3-10

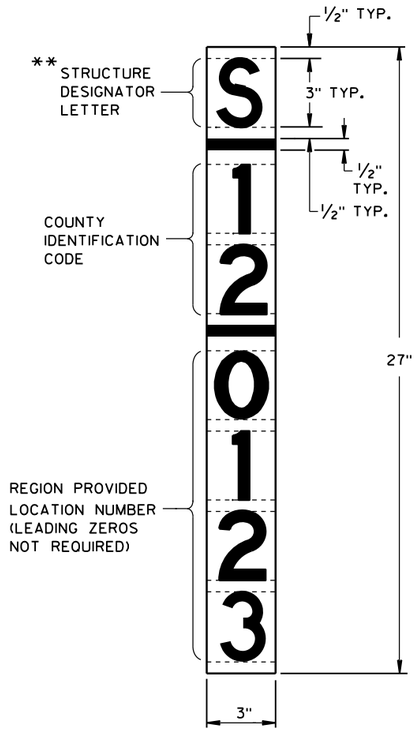


LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES

* WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.



RAMP GATE
(ACROSS FWY ON-RAMP)



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

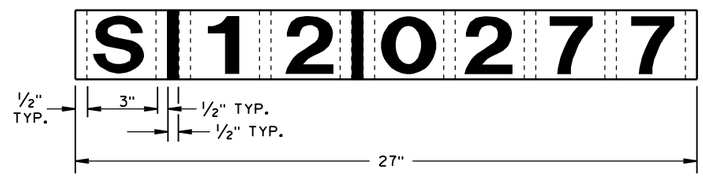
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 12 A 4-3

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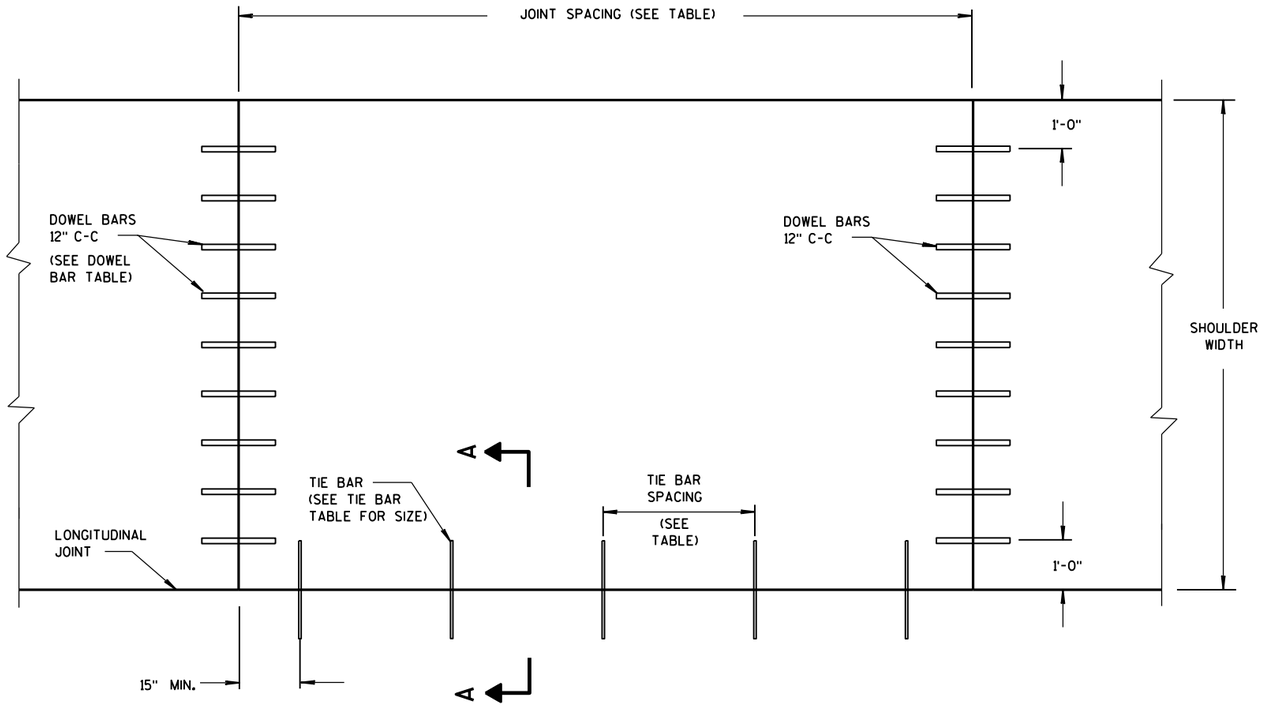
S.D.D. 12 A 4-3



PLAN VIEW

CONCRETE PAVEMENT SHOULDER

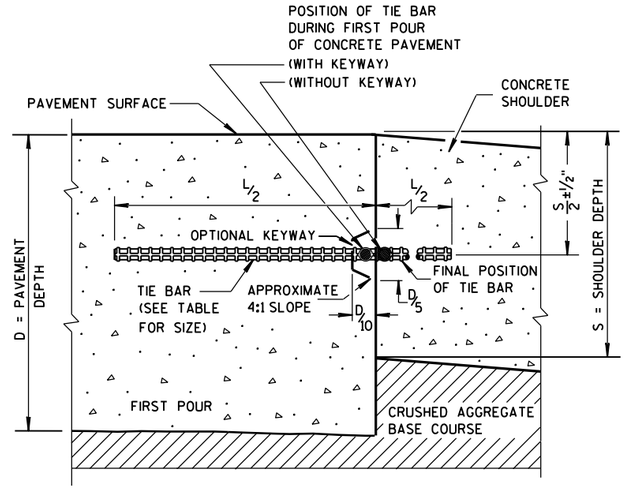
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRANSVERSE JOINT DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

FINISH THE SHOULDER PAVEMENT CONFORMING TO SUBSECTION 415.3.8 OF THE STANDARD SPECIFICATIONS.

TIE BARS SHALL CONFORM TO SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.



SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER***	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'

*** FOR DOWELED CONCRETE SHOULDERS WITH TRAPEZOIDAL CROSS SECTIONS, CHOSE THE APPROPRIATE DOWEL BAR DIAMETER BASED ON THE SMALLER PAVEMENT DEPTH (LIKELY THE OUTSIDE EDGE OF THE SHOULDER). IF USING BASKETS, USE BASKETS FOR THE AVERAGE THICKNESS OF THE CROSS SECTION.

CONCRETE PAVEMENT SHOULDERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPER
FHWA

6

S.D.D. 13 A 3-6

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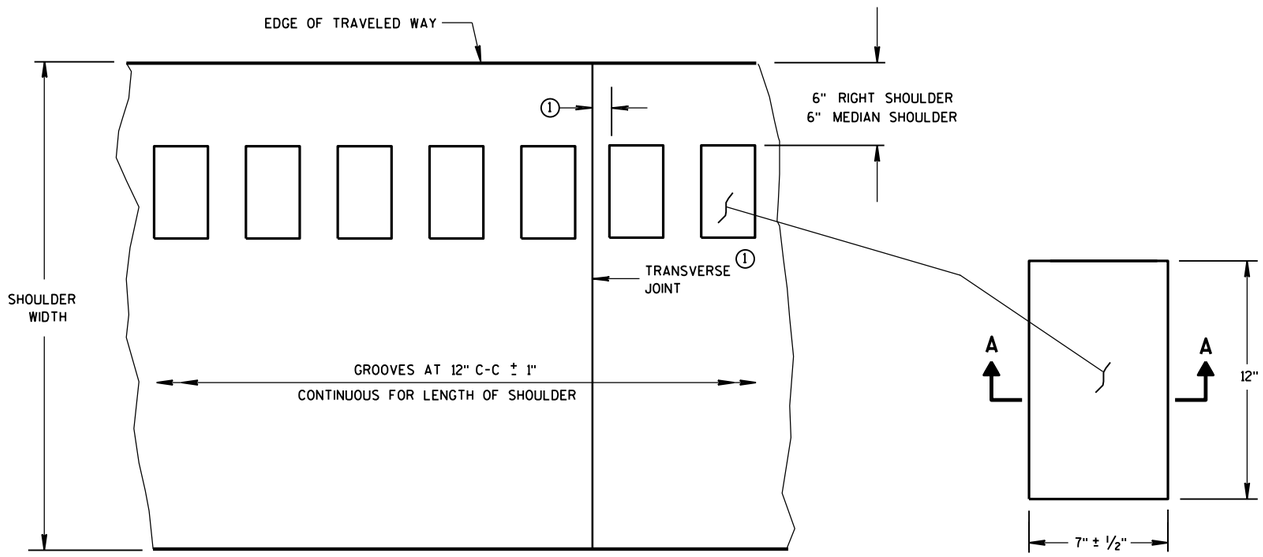
S.D.D. 13 A 3-6



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

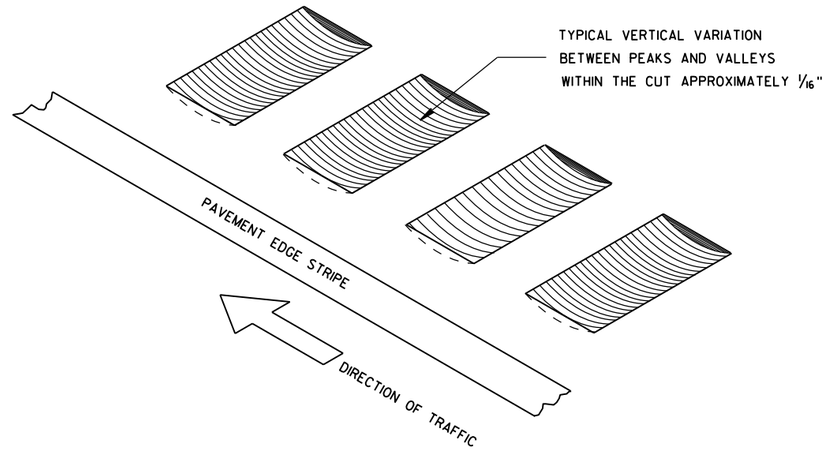
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

RUMBLE STRIPS ON EXPRESSWAYS

DO NOT INSTALL RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL DRIVEWAYS, PRIVATE DRIVEWAYS OR ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, BRIDGE DECKS, BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSING. THE ATTACHED STANDARD DETAIL DRAWING SHOWS THE LOCATION OF THE RUMBLE STRIPS AT INTERCHANGE AREAS.

(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



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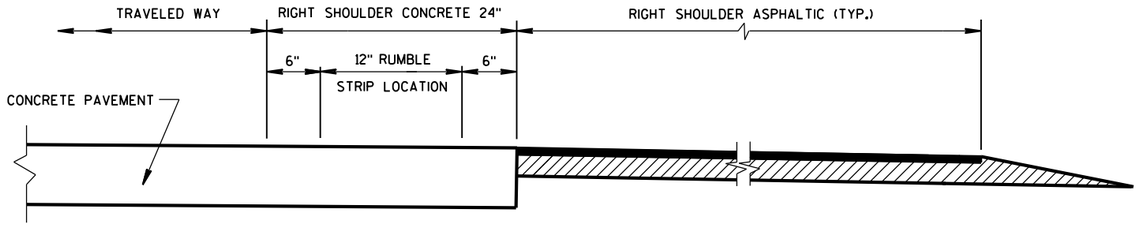
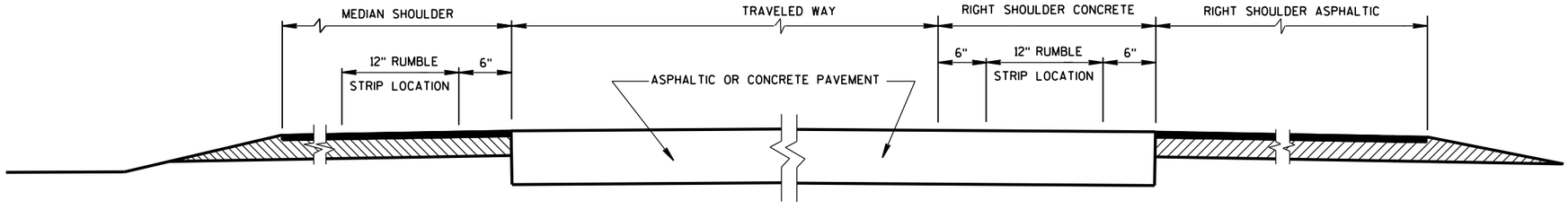


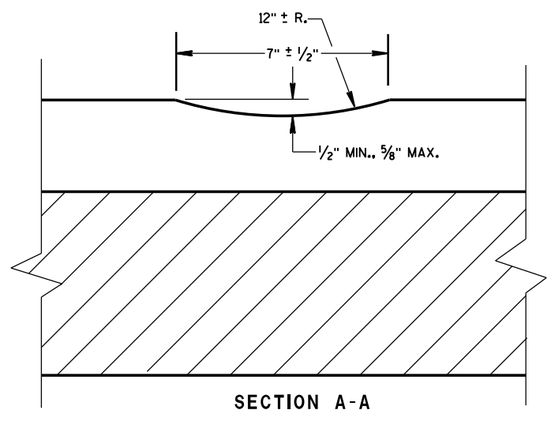
SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION VIEW

TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS IN RURAL DIVIDED HIGHWAYS

(ONE ROADWAY IS SHOWN)



SECTION A-A

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 13 A 5-5a

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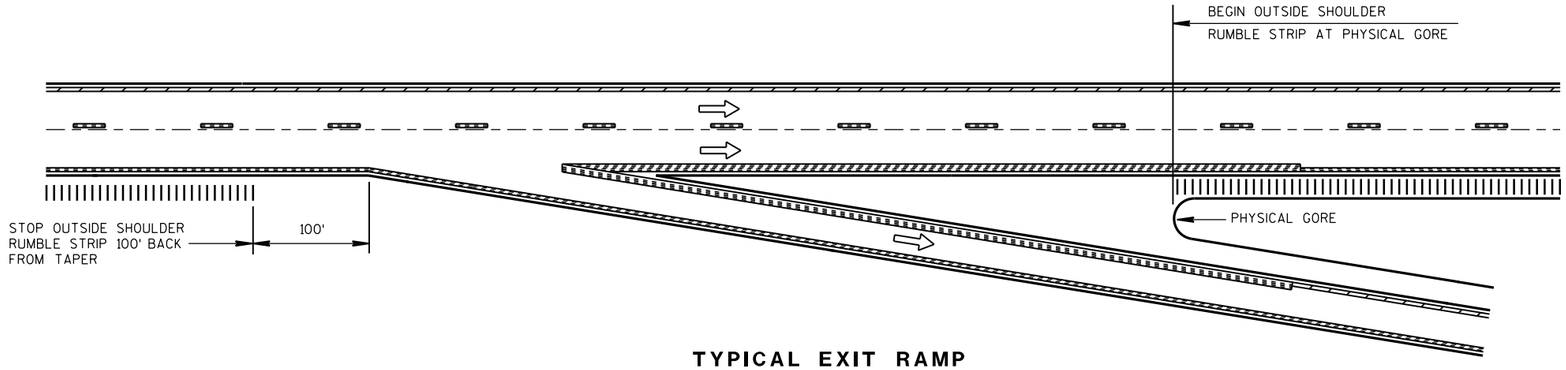
S.D.D. 13 A 5-5a



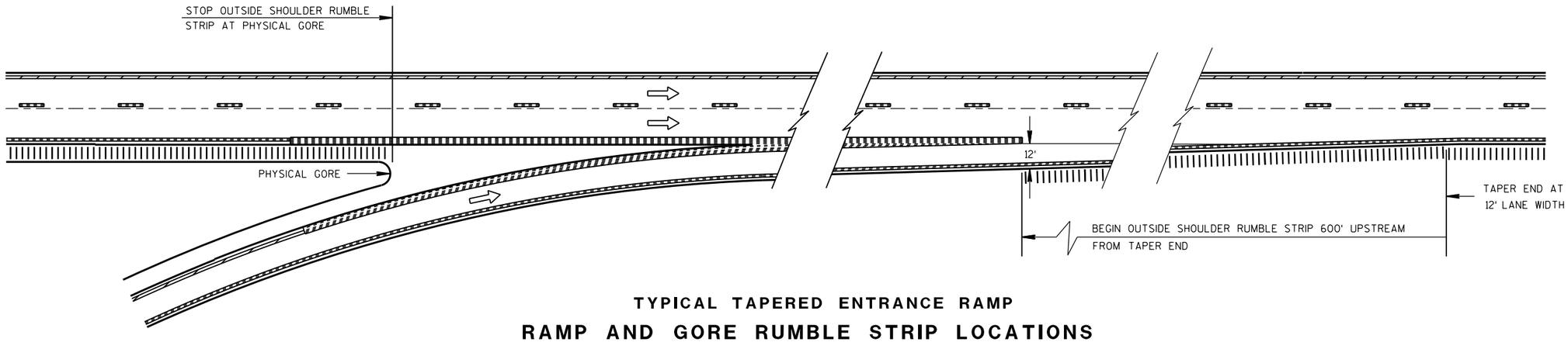
TYPICAL EXIT RAMP

NOTES:

NO RUMBLE STRIP ON EXIT, DIRECTIONAL, OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

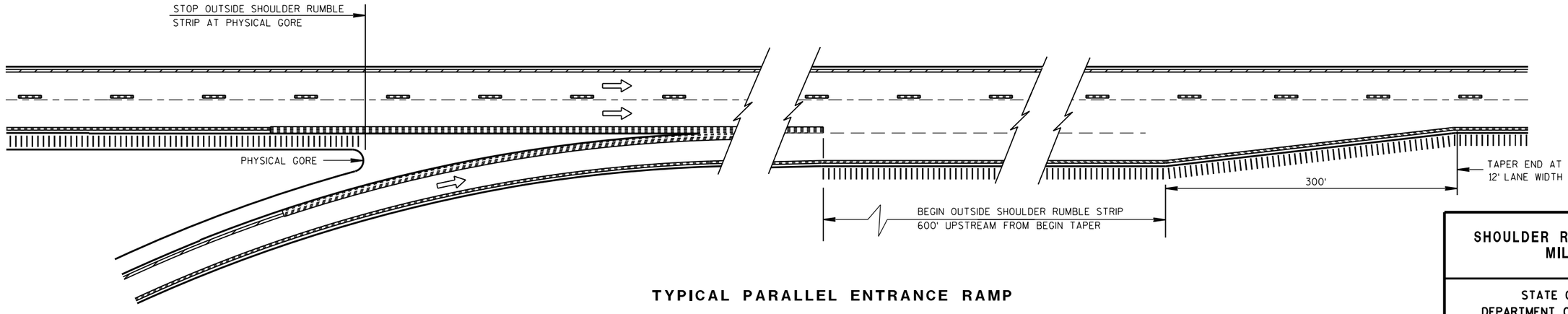
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TYPICAL TAPERED ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS



TYPICAL PARALLEL ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/17/2012 — DATE
/S/ Jerry H. Zoga — ROADWAY STANDARDS ENGINEER
FHWA

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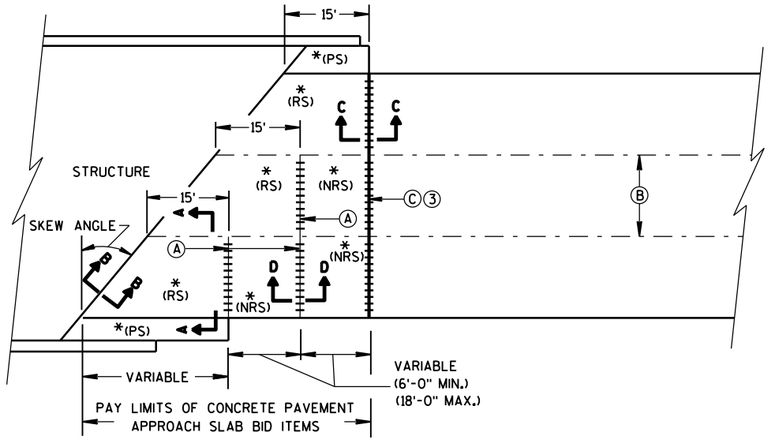
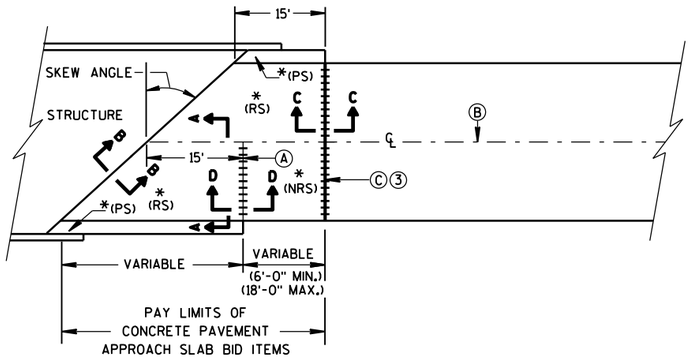
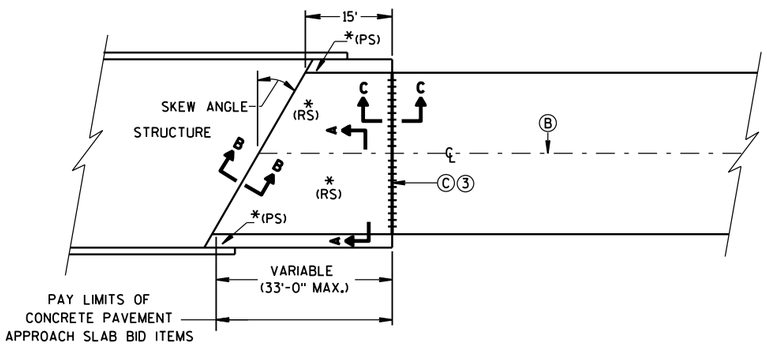
S.D.D. 13 A 5-5b



SKEWED APPROACH
(PAVEMENT MORE THAN 2 LANES)



SKEWS >20°
(PAVEMENT WIDTH ≤30')



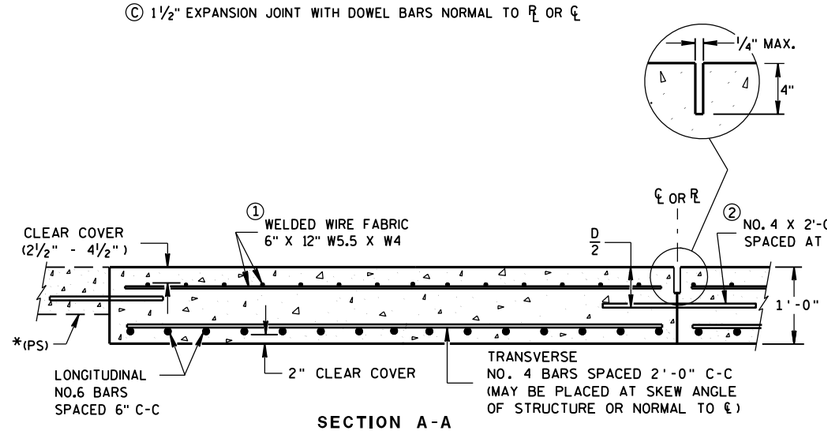
SKEWS ≤20°
(PAVEMENT WIDTH ≤30')

APPROACH SLAB AND ADJACENT PAVEMENT

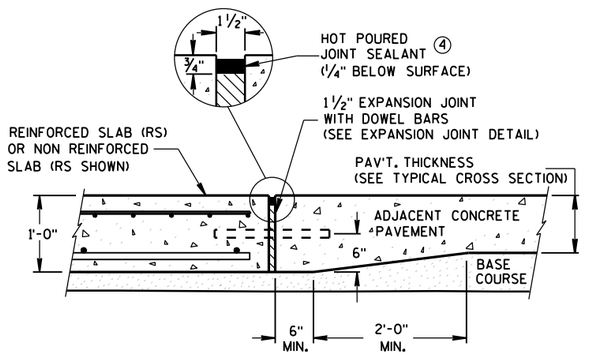
*(RS) = REINFORCED CONCRETE SLAB
*(PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB
(SEE DETAILS ELSEWHERE IN THE PLAN)
*(NRS) = NON-REINFORCED CONCRETE SLAB

***STANDARD DOWEL BAR DIAMETER
(SEE SDD 13C11, & SDD 13C13)

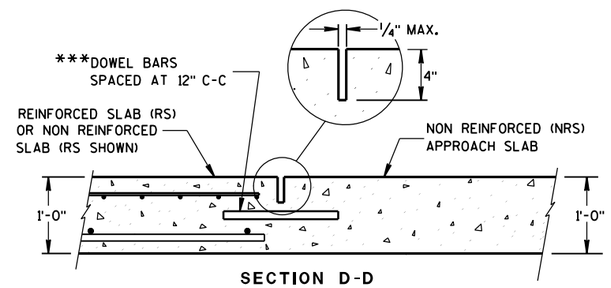
Ⓐ STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℄
Ⓑ STANDARD LONGITUDINAL JOINT WITH TIE BARS.
Ⓒ 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄



SECTION A-A
REINFORCEMENT POSITIONING DETAIL



SECTION C-C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT



SECTION D-D
CONTRACTION JOINT

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

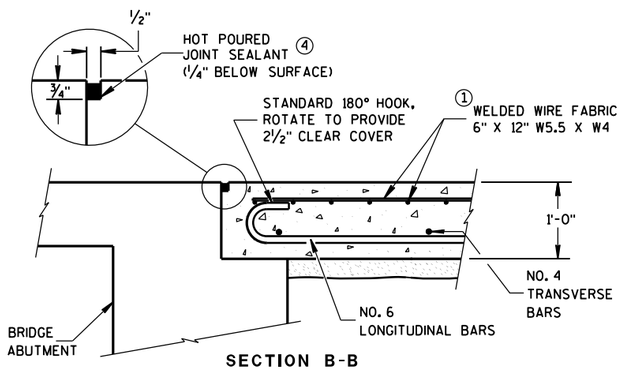
① THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2'-0" C-C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

② THE CONTRACTOR MAY OMIT TIE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

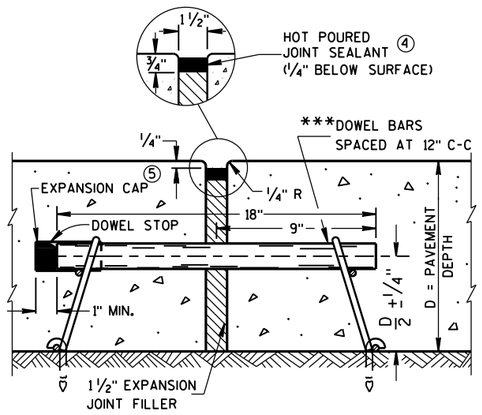
③ DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

④ USE A JOINT SEALANT MEETING THE REQUIREMENTS OF ASTM D6690.

⑤ PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.



SECTION B-B
BEND DETAIL
BOTTOM REINFORCEMENT



EXPANSION JOINT DETAIL

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPER
FHWA

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S.D.D. 13 B 2-8a

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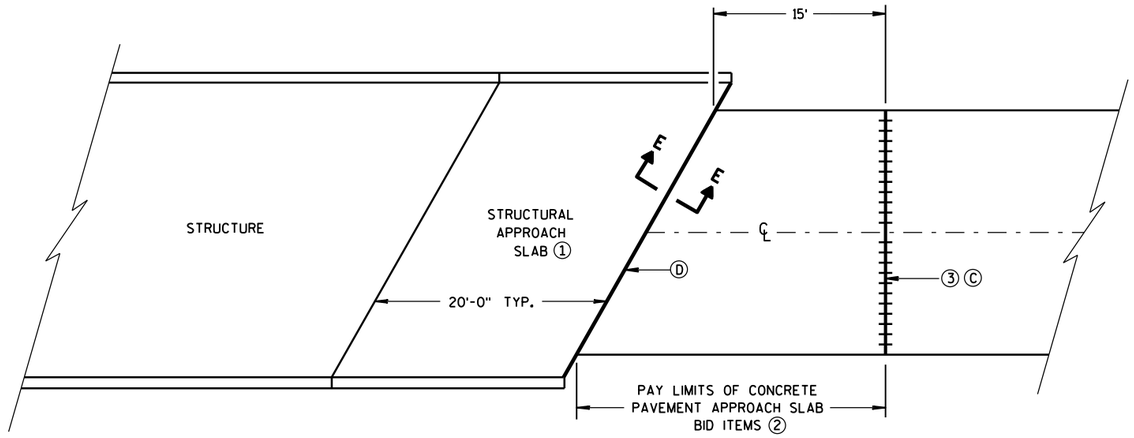
S.D.D. 13 B 2-8a

BRIDGE APPROACHES



GENERAL NOTES

ALL PROJECTS THAT INVOLVE A STRUCTURAL APPROACH SLAB WILL ALSO HAVE A CONCRETE PAVEMENT APPROACH SLAB.

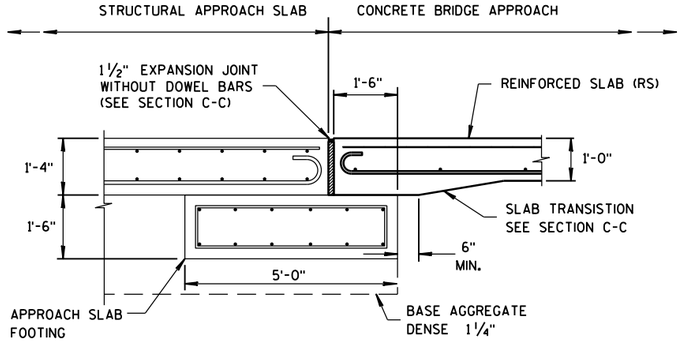
① SEE BRIDGE PLAN.

② CONFORM TO SHEET 13 B 2(A) FOR CONCRETE PAVEMENT APPROACH SLAB DETAILS.

③ DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

Ⓒ 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄

Ⓓ 1½" EXPANSION JOINT (NO DOWELS)



SECTION E-E

FOOTING DETAIL

STRUCTURAL APPROACH SLAB TO CONCRETE BRIDGE APPROACH

STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June, 2015
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPEF

FHWA

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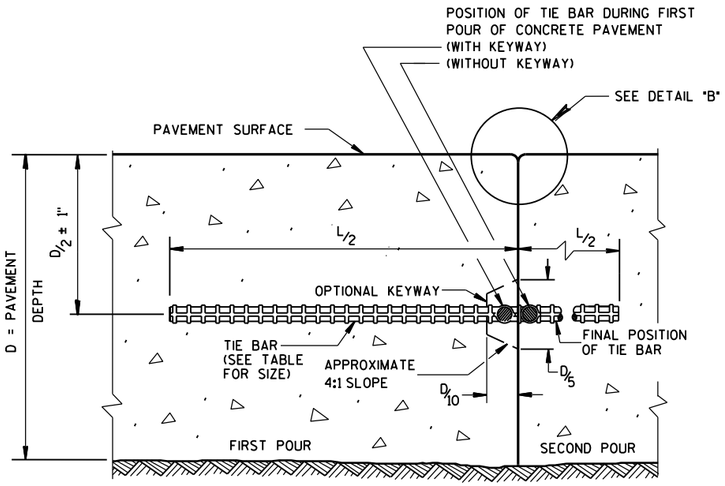
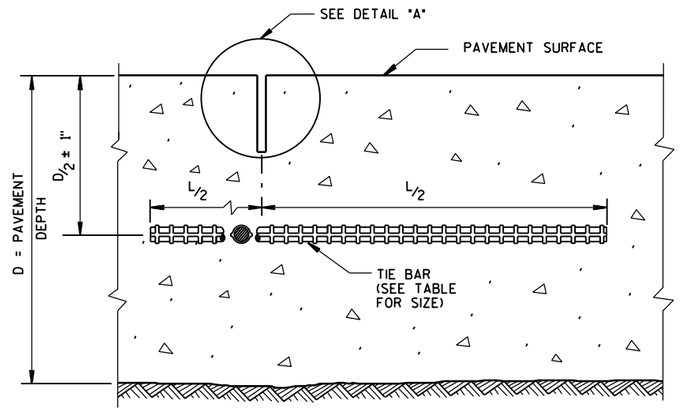
S.D.D. 13 B 2-8b



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

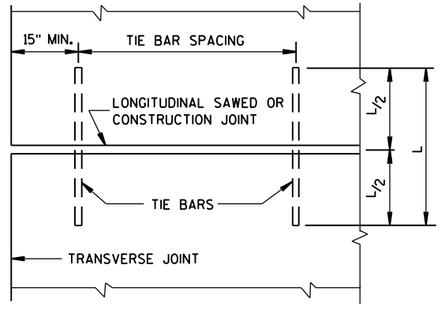
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPER
FHWA

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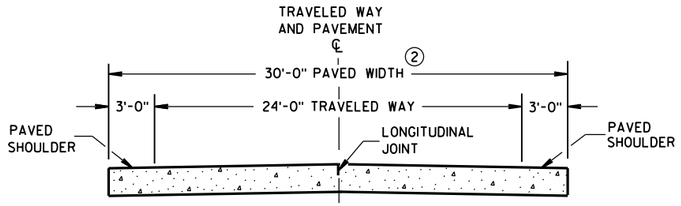
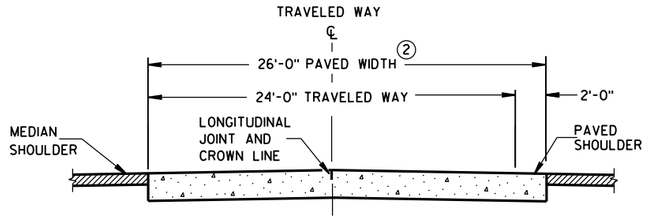
S.D.D. 13 C 1-18

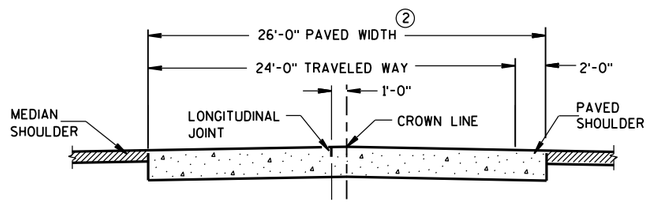


SECTION A-A ①

TWO-LANE TWO-WAY HIGHWAY



SECTION B-B



ALTERNATIVE SECTION B-B ①

DIVIDED HIGHWAY

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT SEAL OR FILL CONTRACTION JOINTS.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

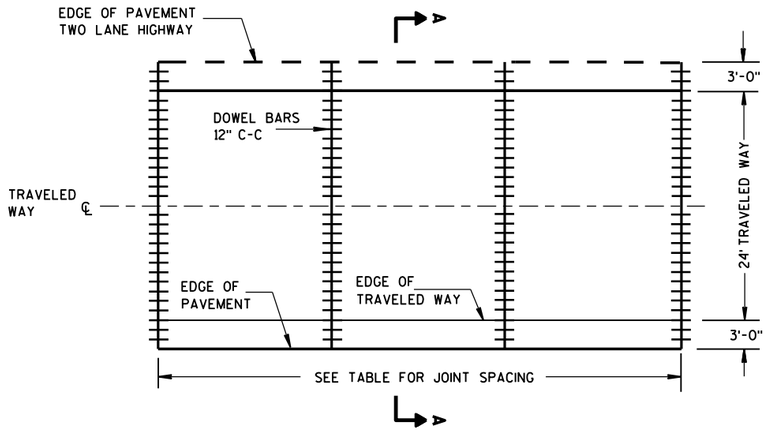
LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

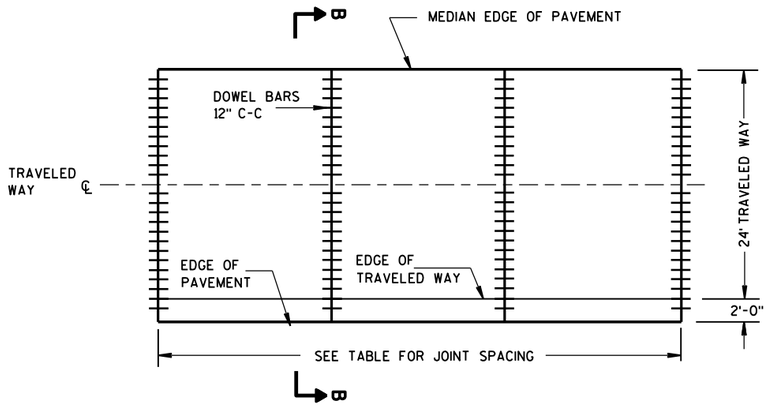
② MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED PAVED SHOULDER AS CONCRETE PAVEMENT.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



CONTRACTION JOINT LAYOUT
FOR TWO-LANE TWO-WAY HIGHWAY



CONTRACTION JOINT LAYOUT
FOR DIVIDED HIGHWAY

RURAL DOWELED
CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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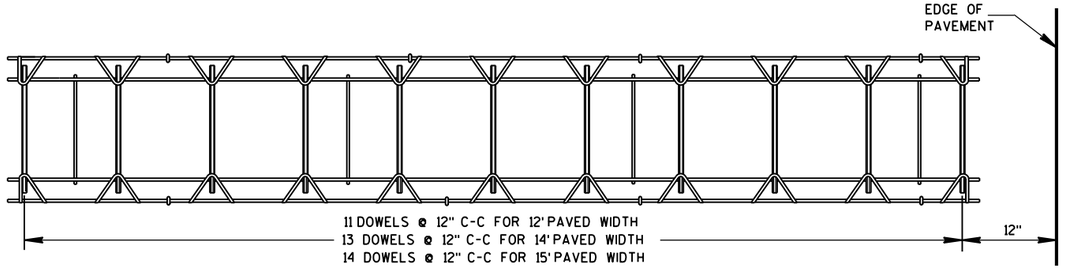
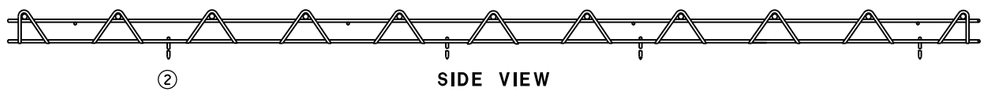
S.D.D. 13 C 11-11a



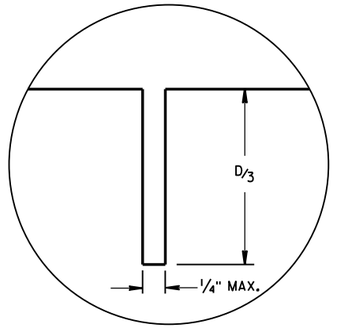
PLAN VIEW



SIDE VIEW

(NORMAL TO CENTERLINE)

CONTRACTION JOINT DOWEL ASSEMBLY ①



JOINT DETAIL

GENERAL NOTES

① OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

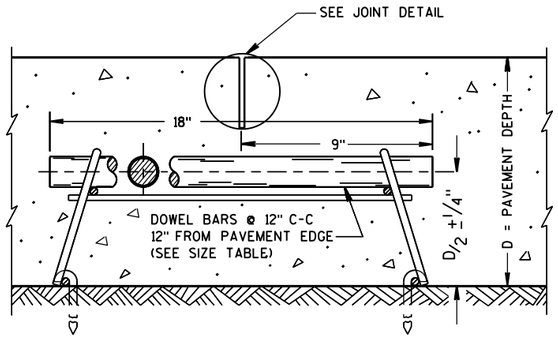
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A 1/4-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

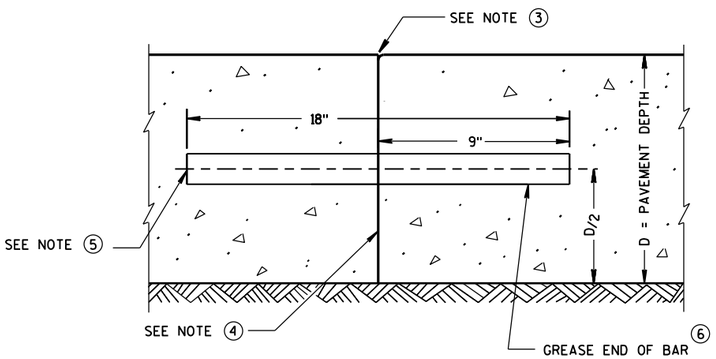
⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

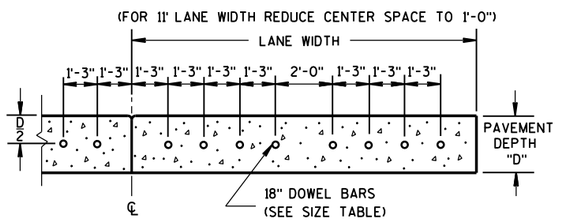
⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



DOWELED CONTRACTION JOINT



TRANSVERSE CONSTRUCTION JOINT



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/3/2013 DATE

/S/ Deb Bischoff
PAVEMENT POLICY & DE ENGINEER

FHWA

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S.D.D. 13 C 11-11b

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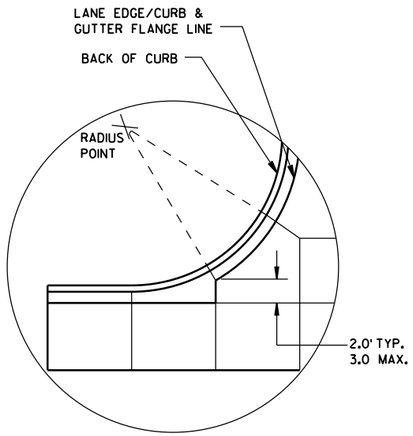
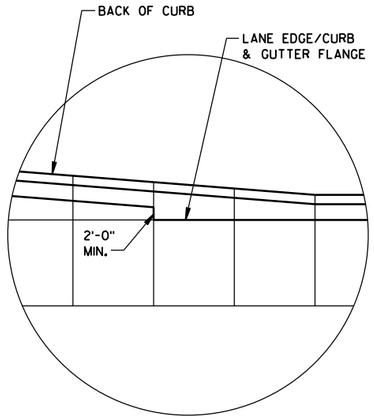
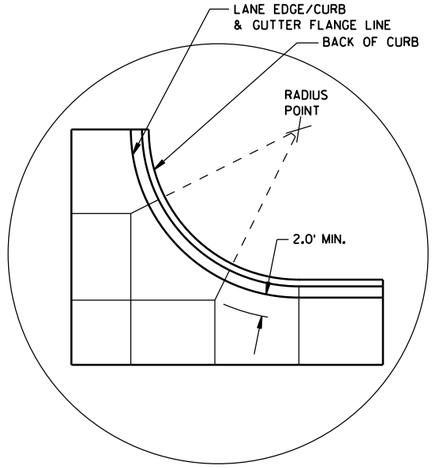
S.D.D. 13 C 11-11b



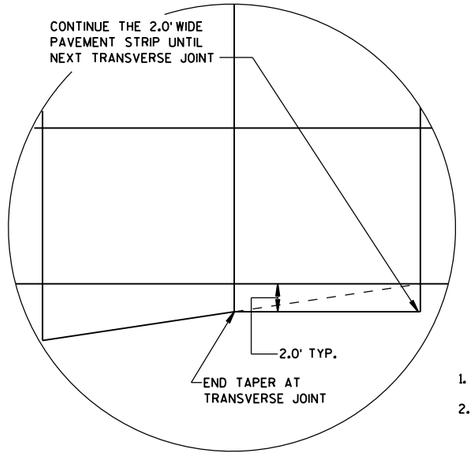
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

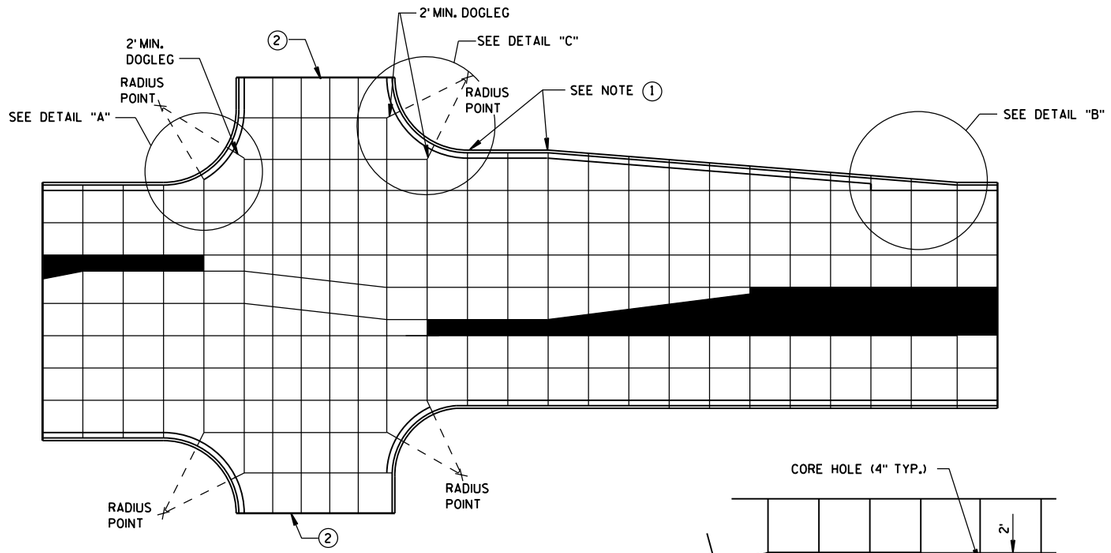
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

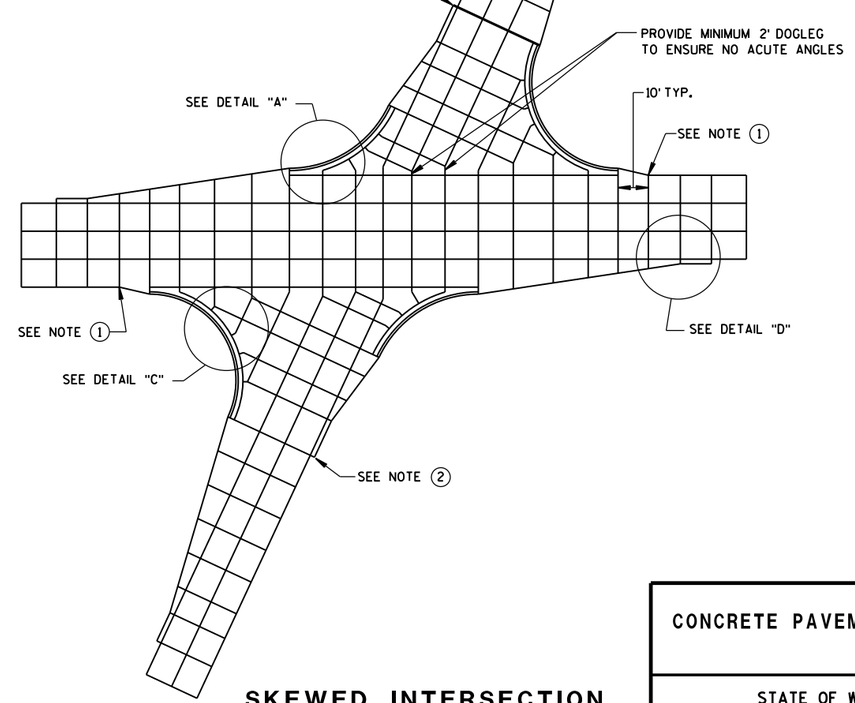
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



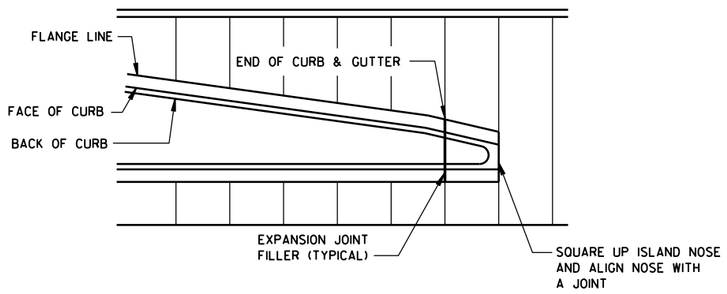
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

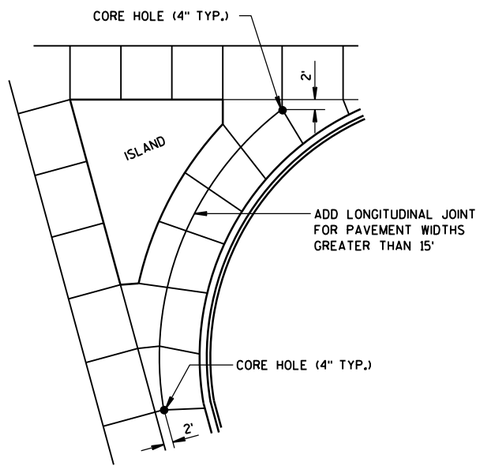
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

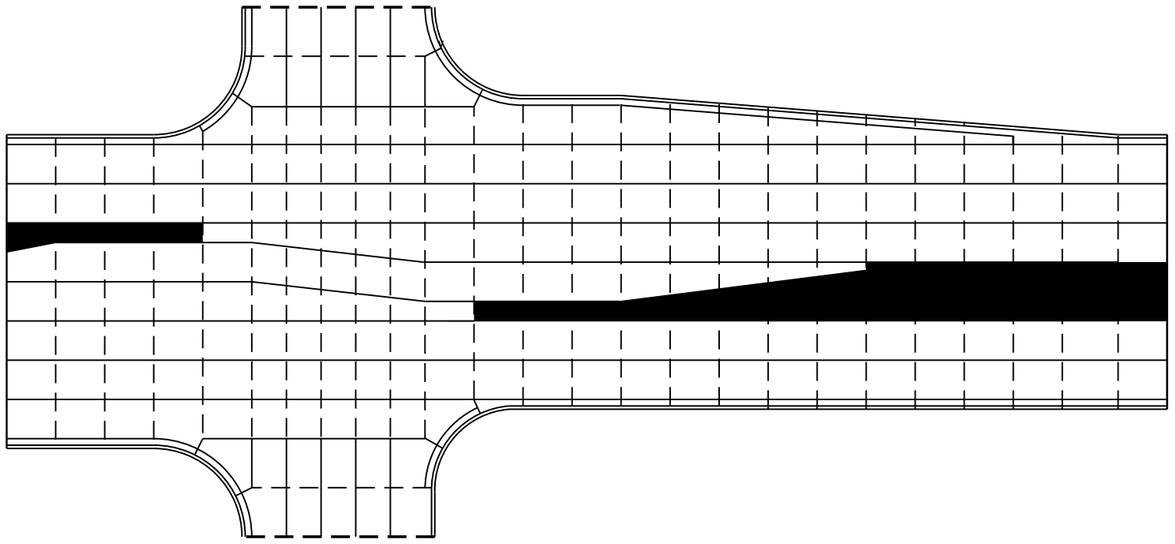
S.D.D. 13 C 18-5a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

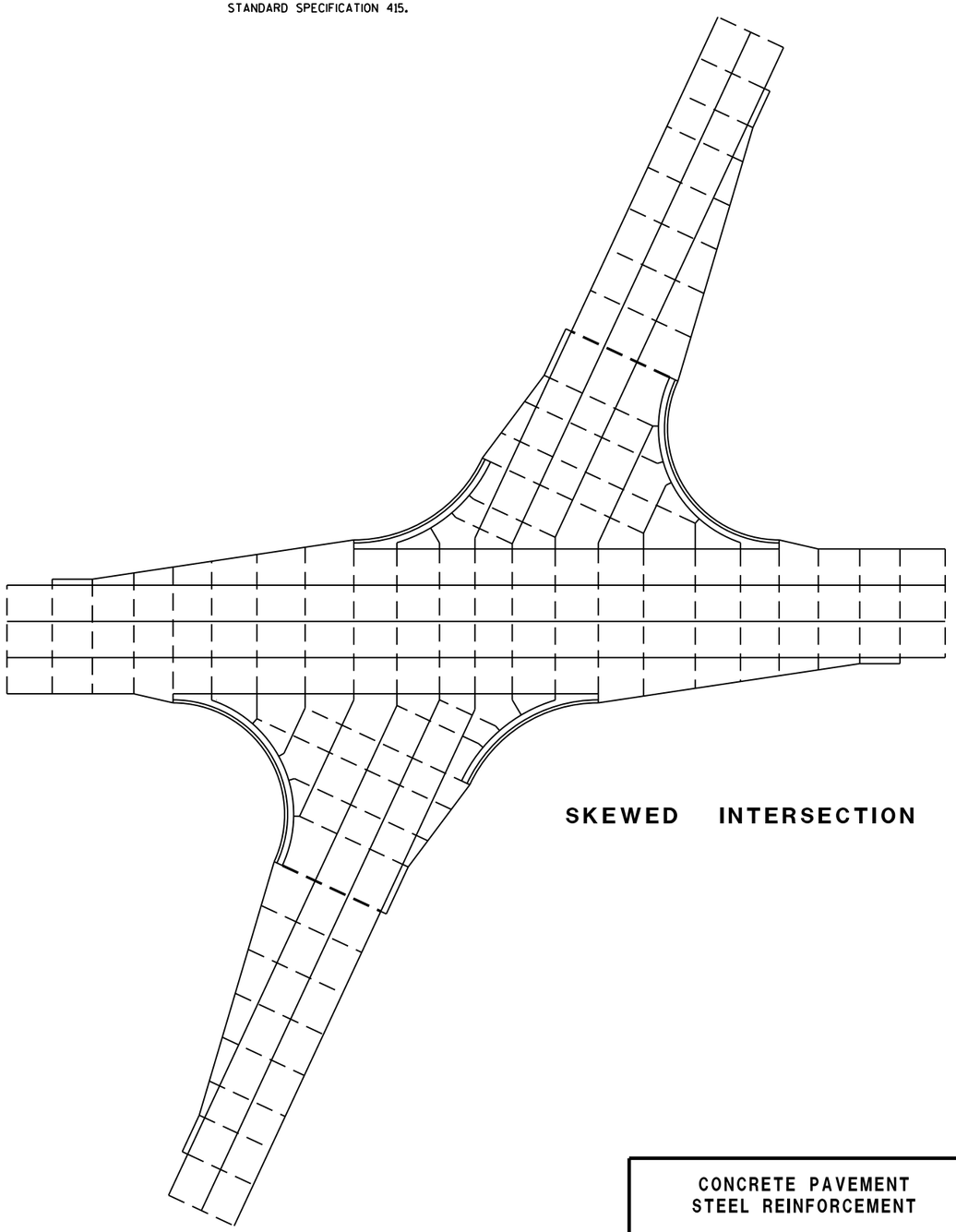
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

CONCRETE PAVEMENT
STEEL REINFORCEMENT

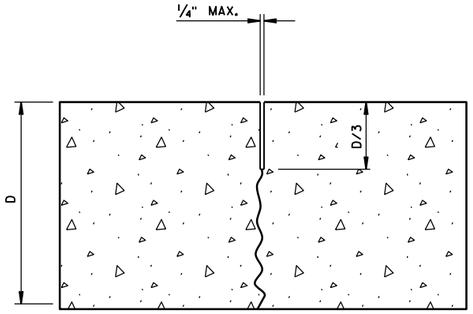
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

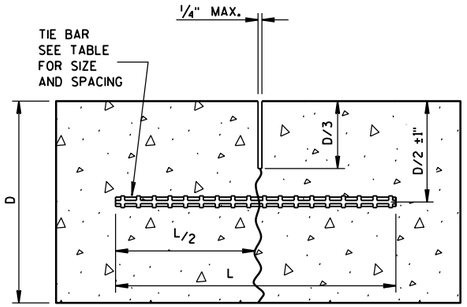
S.D.D. 13 C 18-5b

6

S.D.D. 13 C 18-5b



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

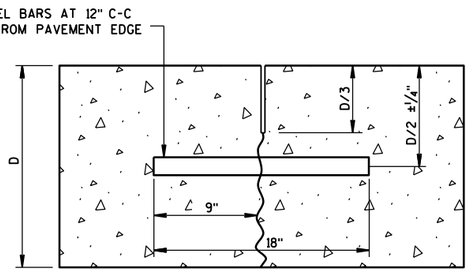
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

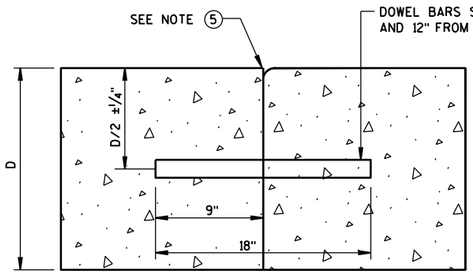
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



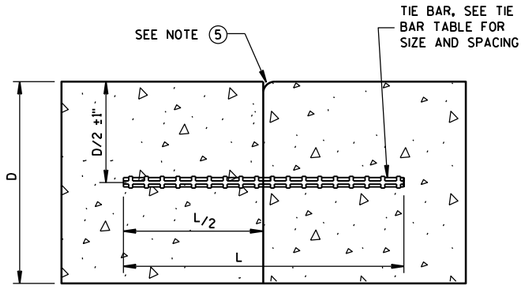
DOWELED-TRANSVERSE

CONTRACTION JOINTS

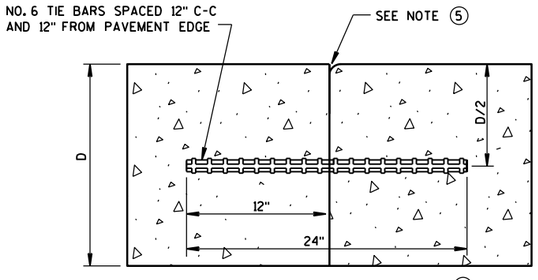
SEE NOTE (2)



DOWELED TRANSVERSE (3)

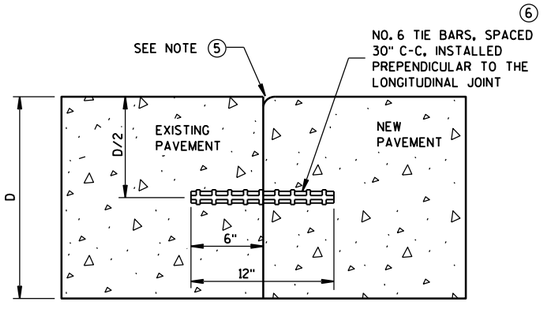


TIED LONGITUDINAL



TIED TRANSVERSE (3)

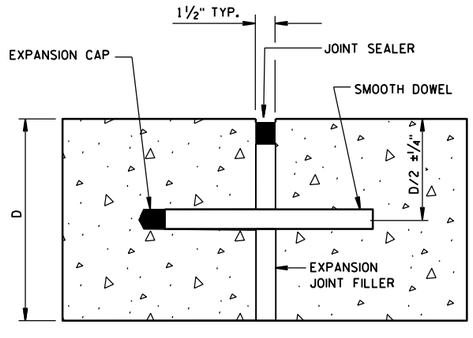
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

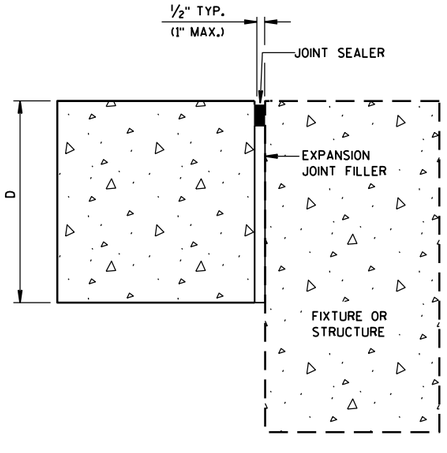
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

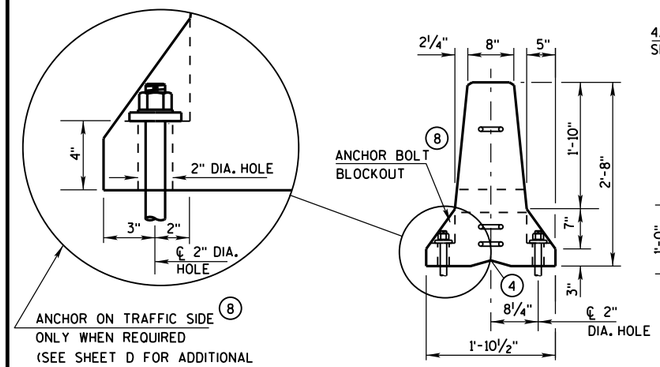
EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

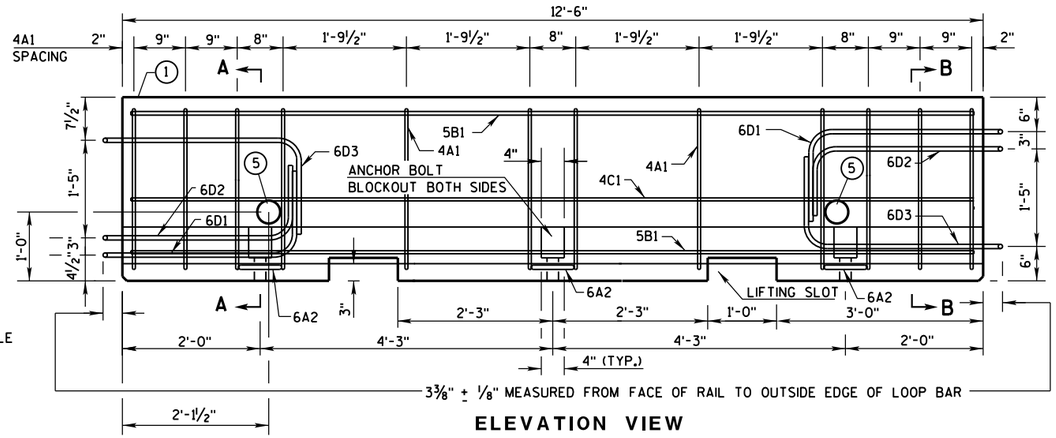
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

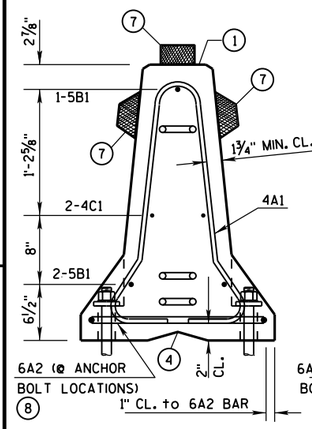
S.D.D. 13 C 18-5c



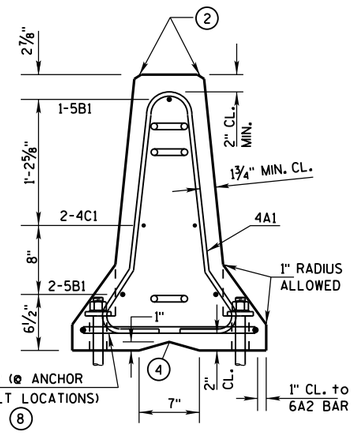
END VIEW



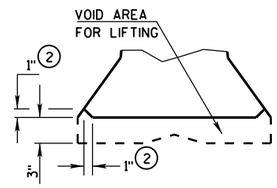
ELEVATION VIEW



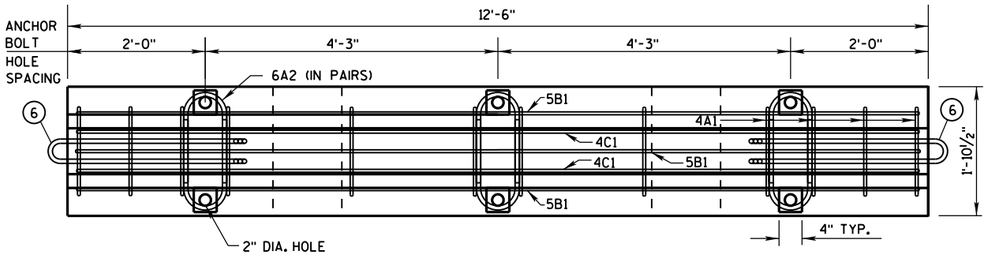
SECTION A-A
(STIRRUP PLACEMENT)



SECTION B-B
(STIRRUP PLACEMENT)

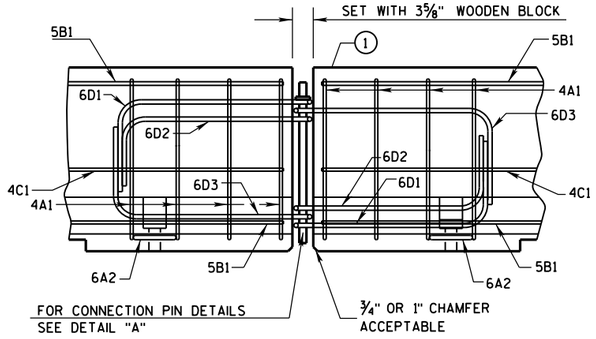


DETAIL "B"
LIFTING SLOT DETAIL

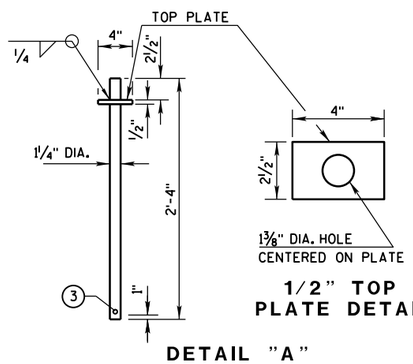


PLAN VIEW

DETAILS OF BARRIER SECTION

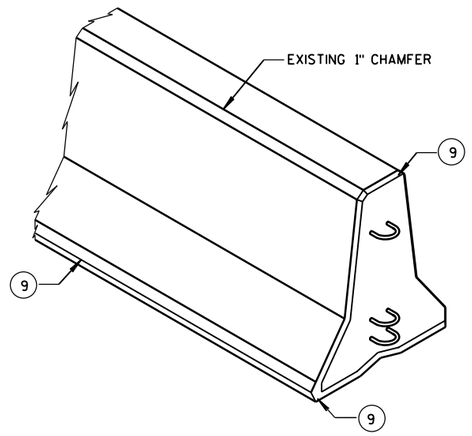


DETAILS OF BARRIER CONNECTION



1/2" TOP
PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-15(a) THRU 14B7-15(i).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

(8) SEE SHEET D FOR HOW TO ANCHOR BARRIER. SEE SHEET E FOR WHEN TO ANCHOR BARRIER.

(9) 1" CHAMFER OPTIONAL.

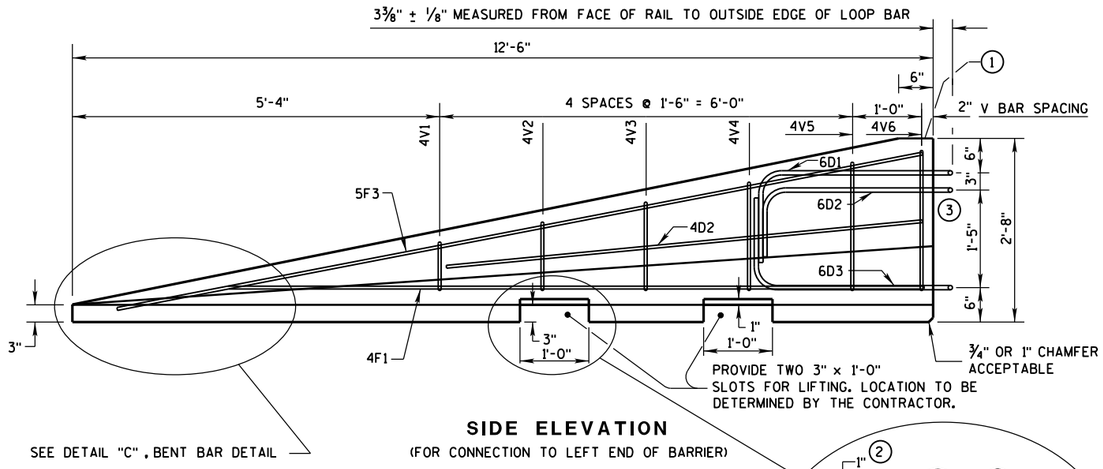
f'c = 4,000 psi

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

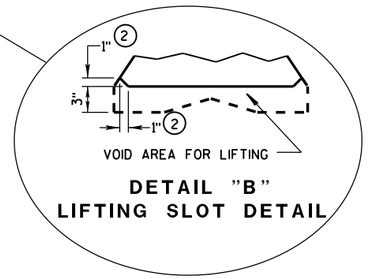
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

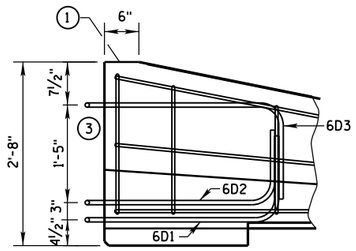
S.D.D. 14 B 7-15a



SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



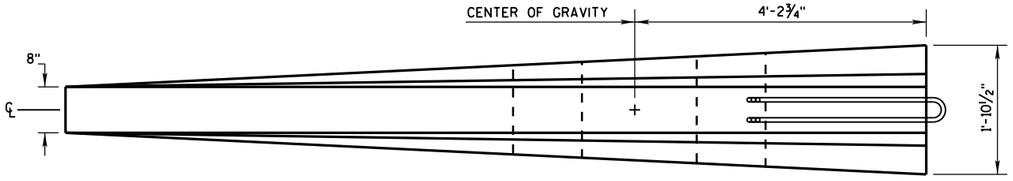
DETAIL "B"
LIFTING SLOT DETAIL



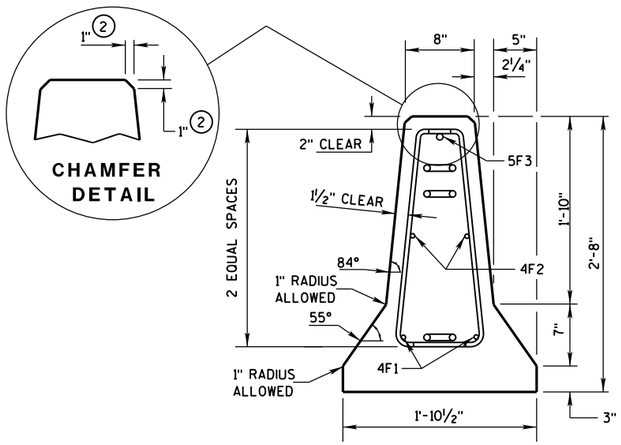
SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED
FOR OPPOSITE END.
(FOR CONNECTION TO RIGHT END OF BARRIER)

GENERAL NOTES

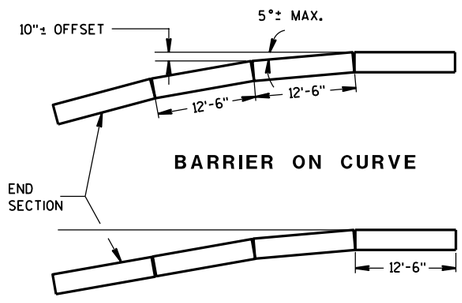
1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.



PLAN VIEW



END SECTION **FRONT ELEVATION**



BARRIER ON CURVE

FLARE AT BARRIER END

POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

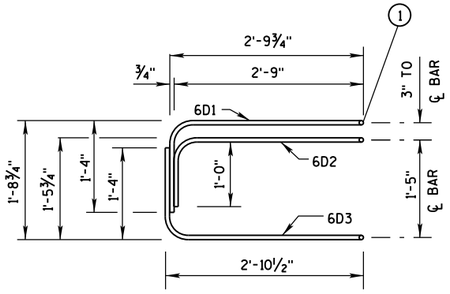
6

S.D.D. 14 B 7-15b

BARRIER TAPER SECTION BILL OF MATERIALS

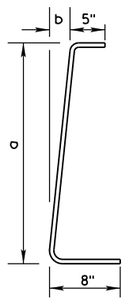
(PER 12'-6" BARRIER TAPER SECTION)

BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



DETAIL "C"
BENT BAR DETAIL

ELEVATION
LOOP BAR ASSEMBLY



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

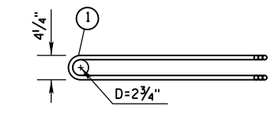
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

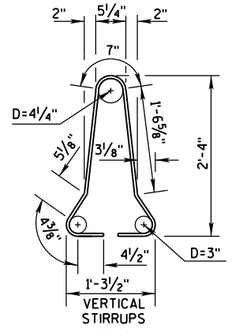
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)

6A2

ELEVATION VIEW



4A1

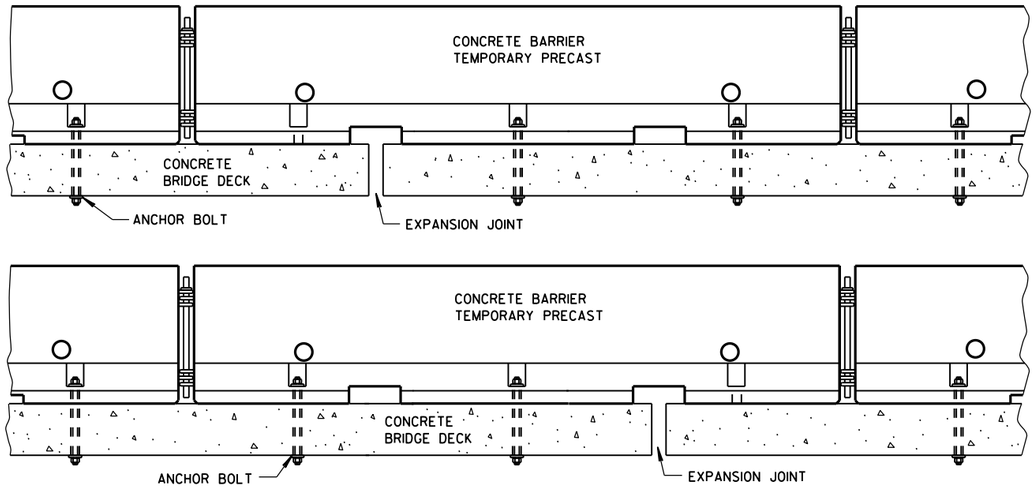
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 7-15c



TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)

GENERAL NOTES

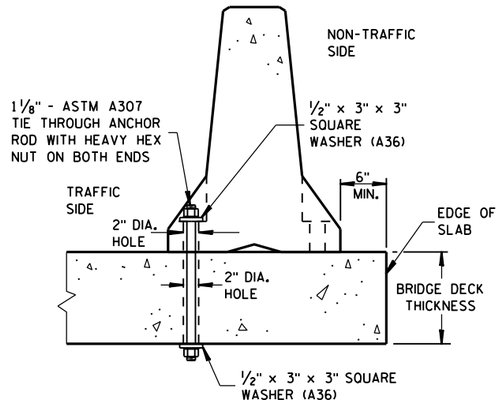
SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERICAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(1) 1⅛" DIAMENTER A307 THREADED ROD. ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL. ASTM A563A HEAVY HEX NUT.

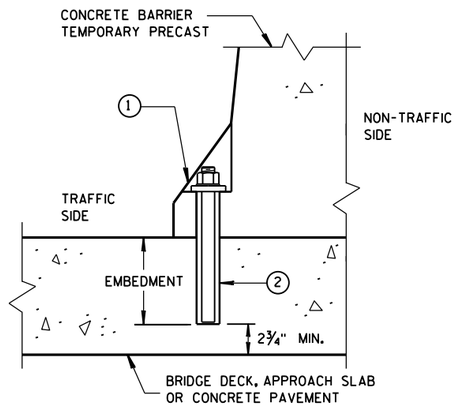
(2) ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

(3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



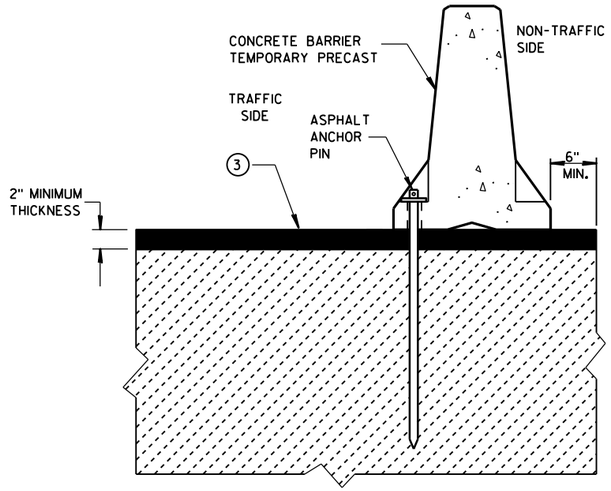
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

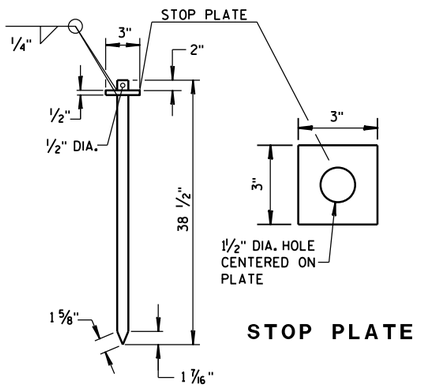


REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



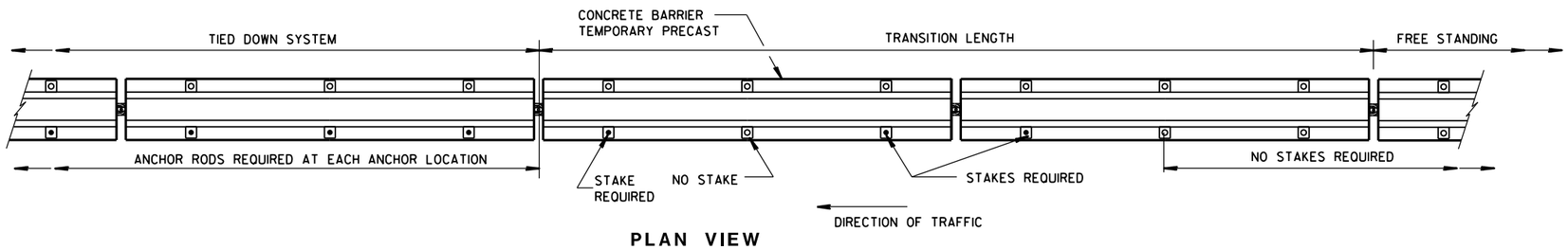
STAKE DOWN INSTALLATION FOR ASPHALTIC SURFACE



STOP PLATE

ASPHALT ANCHOR PIN

(ASTM A36 STEEL)



PLAN VIEW

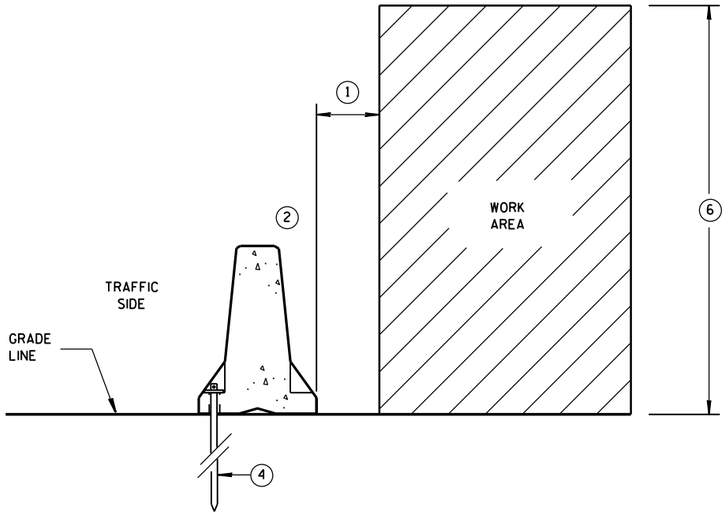
FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

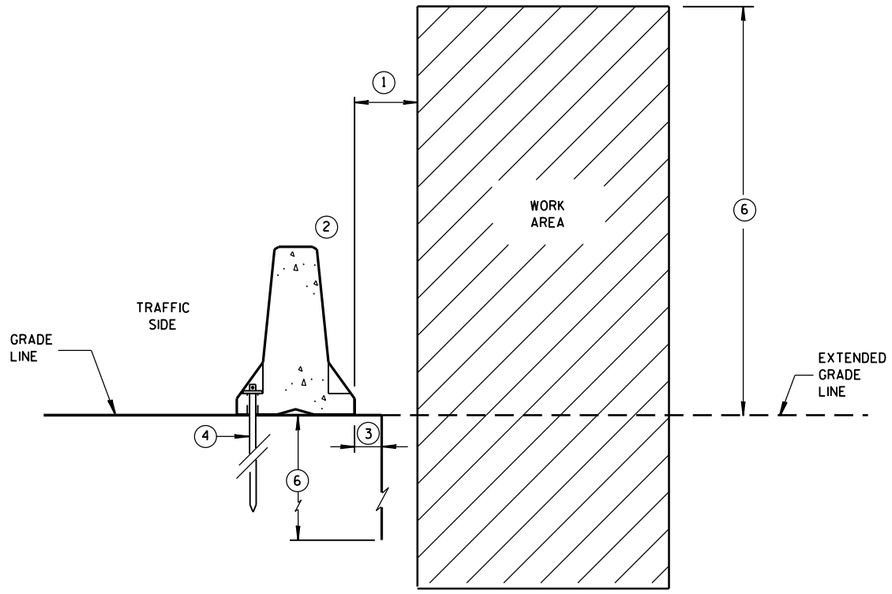
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15d



ANCHORED BARRIER SPACE REQUIREMENTS FOR HAZARDS EXTENDED ABOVE THE GRADE LINE

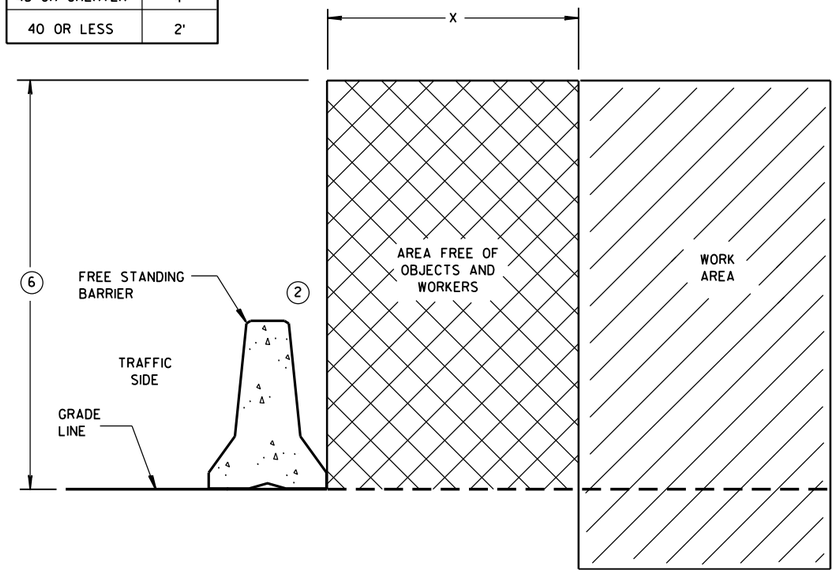


ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS

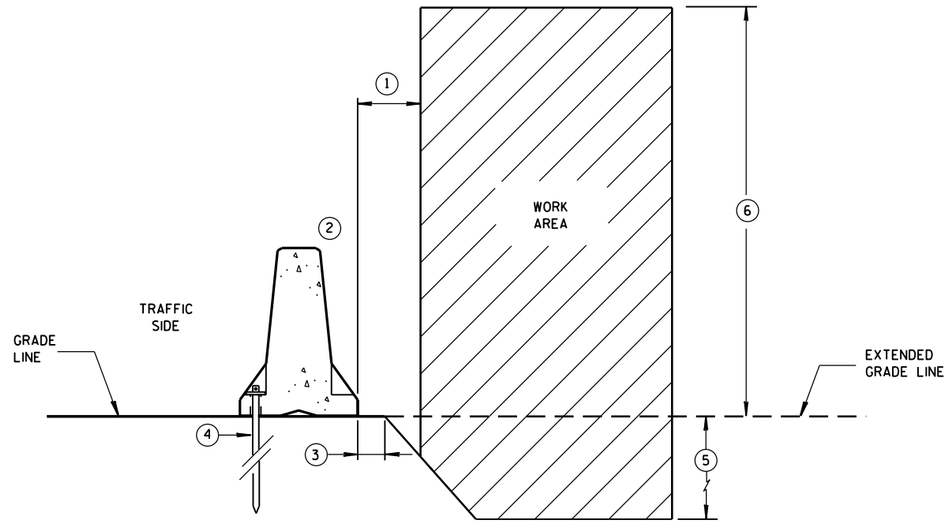
GENERAL NOTES

1. WHEN OBJECTS EXTEND ABOVE THE GRADE, A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT. SEE OTHER DETAILS FOR FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR VERTICAL DROPS.
2. OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR LEANED AGAINST THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.
3. SEE OTHER DETAIL ON SHEET "D" FOR SPACE REQUIREMENTS.
4. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR A STAKE DOWN FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.
5. DEPTH OF 3 FEET OR MORE.
6. Y = 6'-6".

POSTED SPEED MPH	X
45 OR GREATER	4'
40 OR LESS	2'



FREE STANDING BARRIER SPACE REQUIREMENTS



ANCHORED BARRIER SPACE REQUIREMENTS ON SLOPES

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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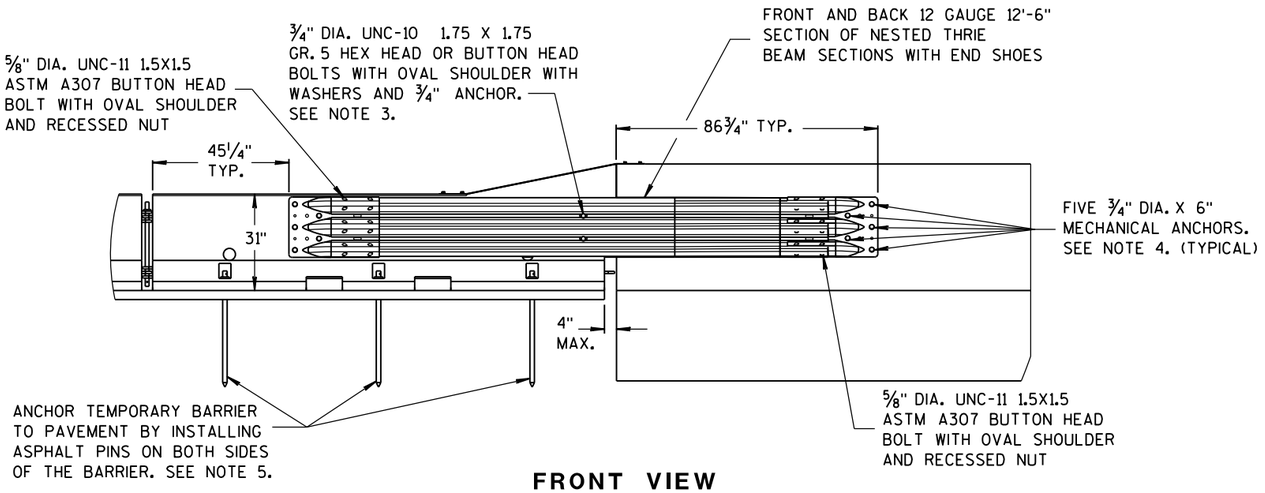
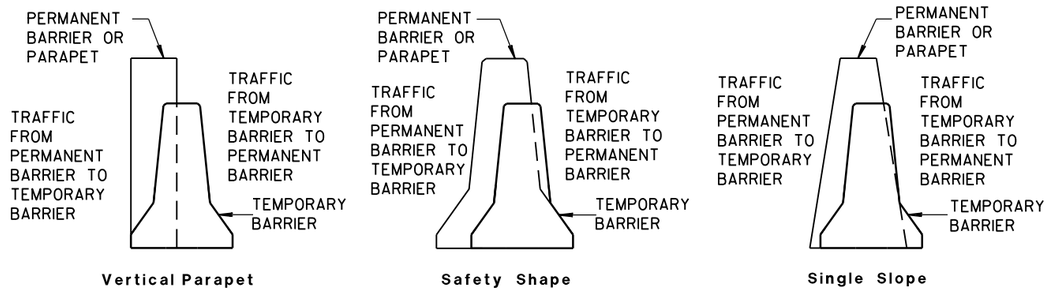
S.D.D. 14 B 7-15e



FRONT VIEW

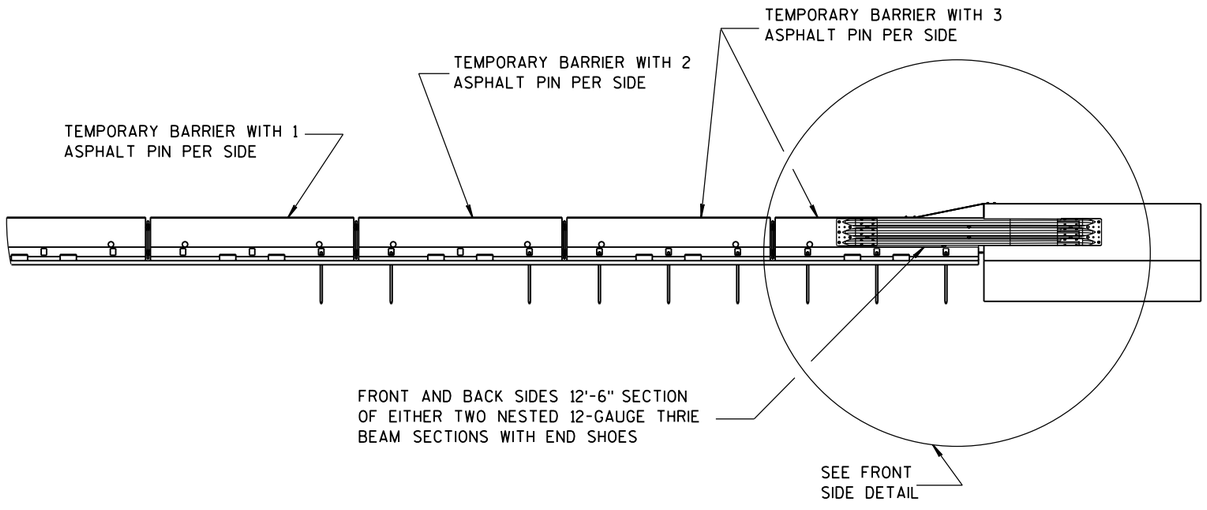


TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

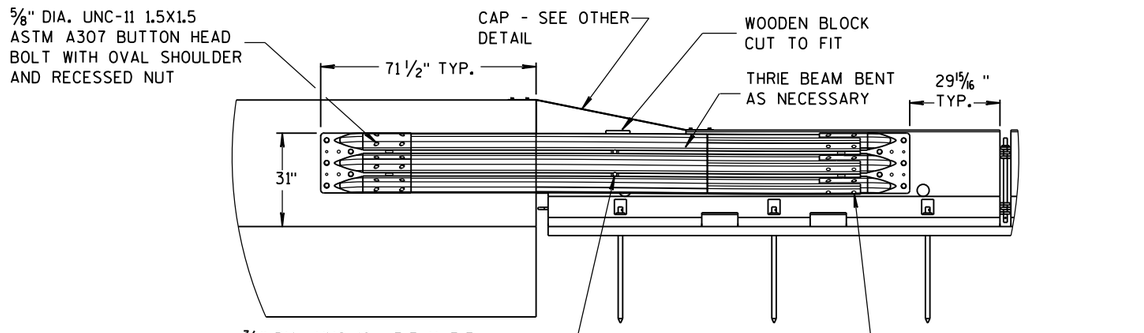
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS REGARDLESS OF TRAFFIC.

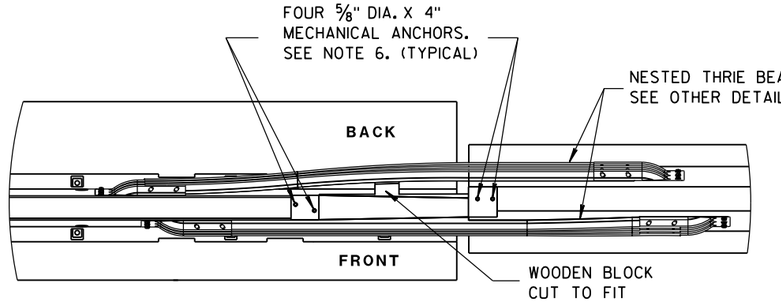
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



FRONT VIEW



BACK VIEW



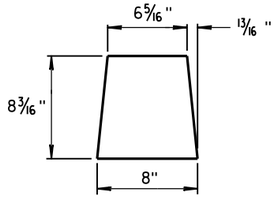
PLAN VIEW

BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

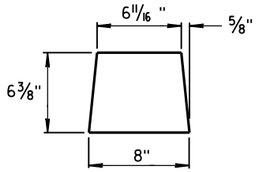
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

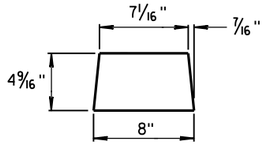
6
S.D.D. 14 B 7-15f



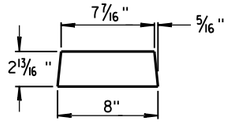
GUSSET 1



GUSSET 2

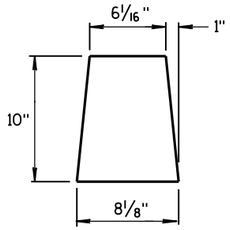


GUSSET 3

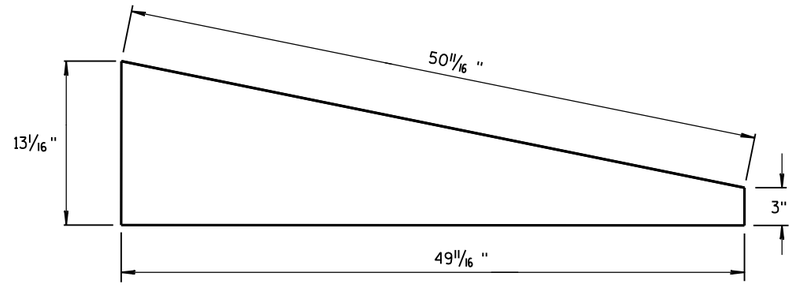


GUSSET 4

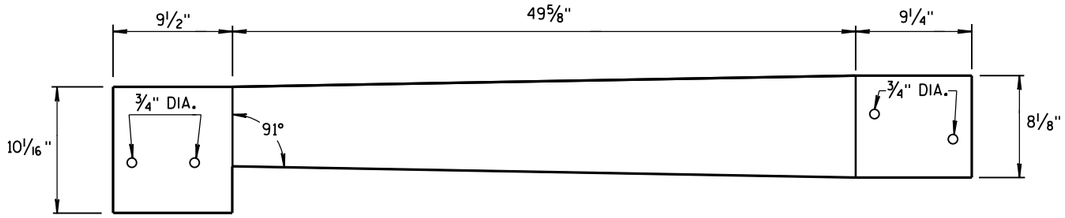
GUSSETS

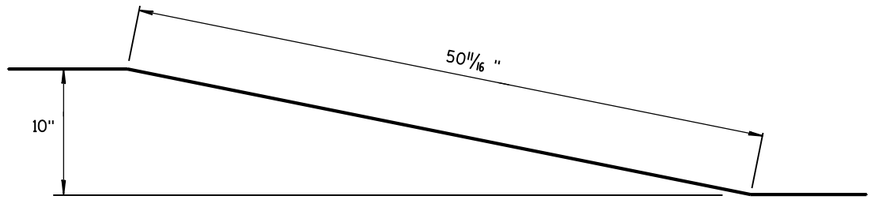


END PLATE



SIDE PLATE

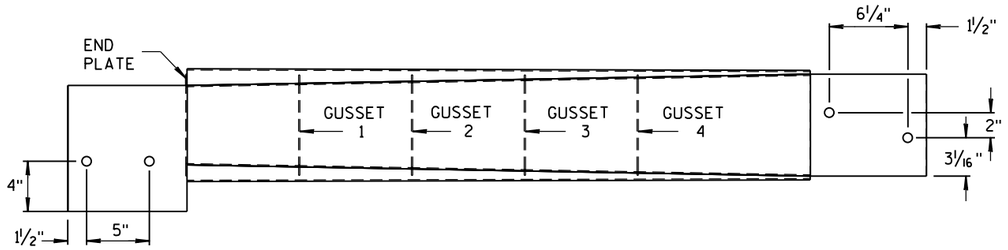


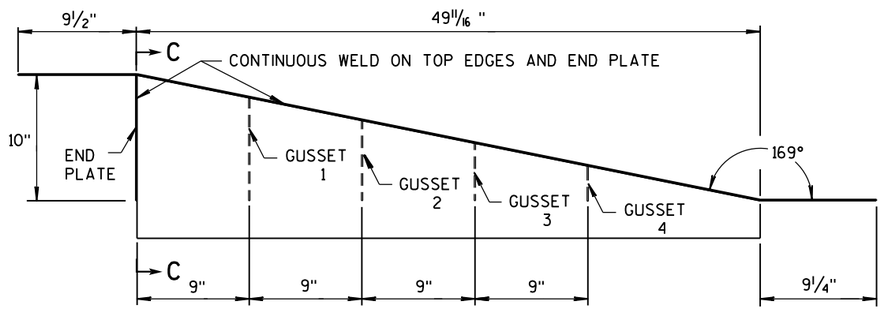


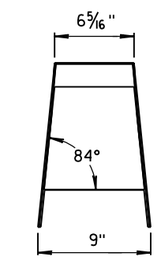
TOP PLATE

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.







SECTION C-C

NOTES

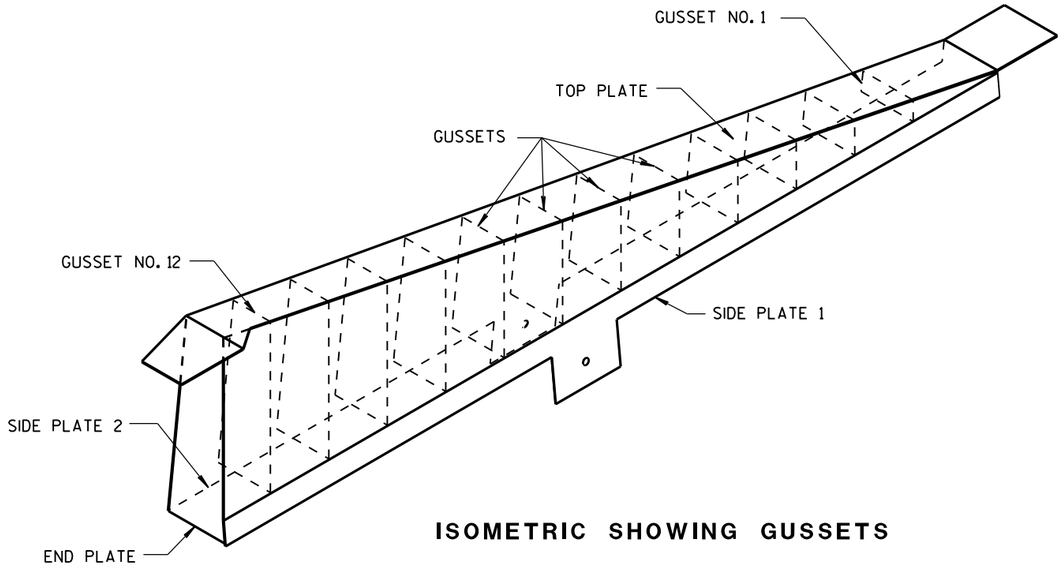
1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

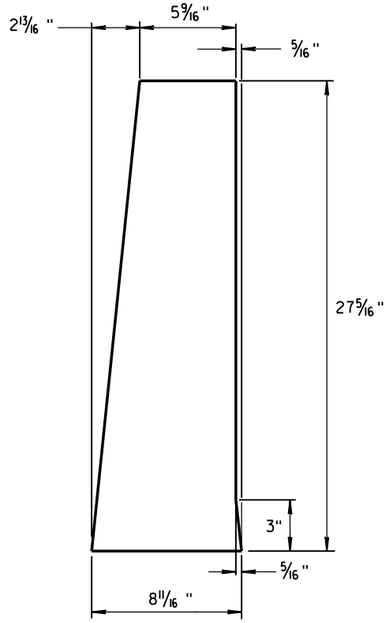
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15g

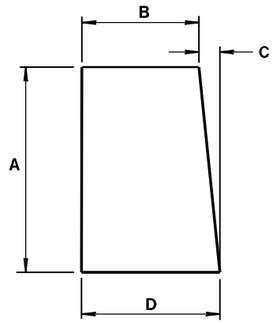


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



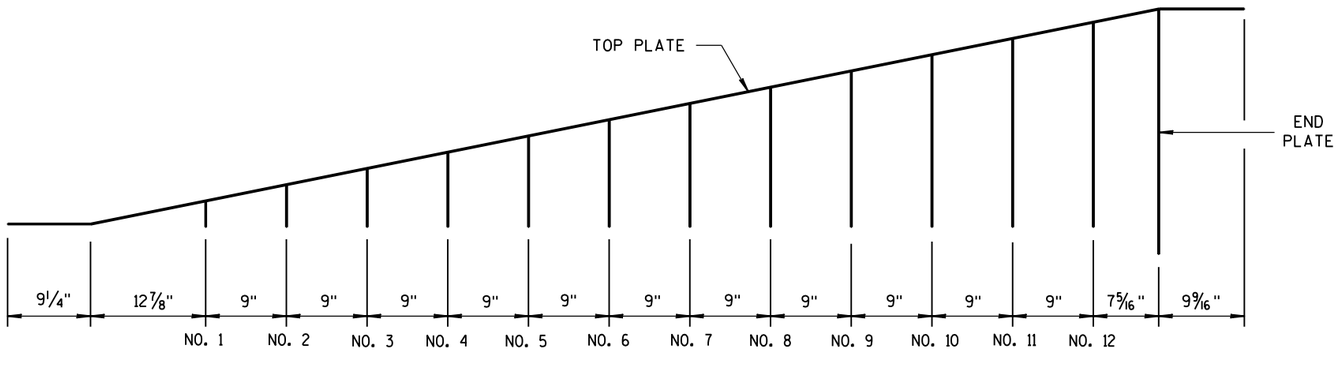
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



GUSSET LOCATION

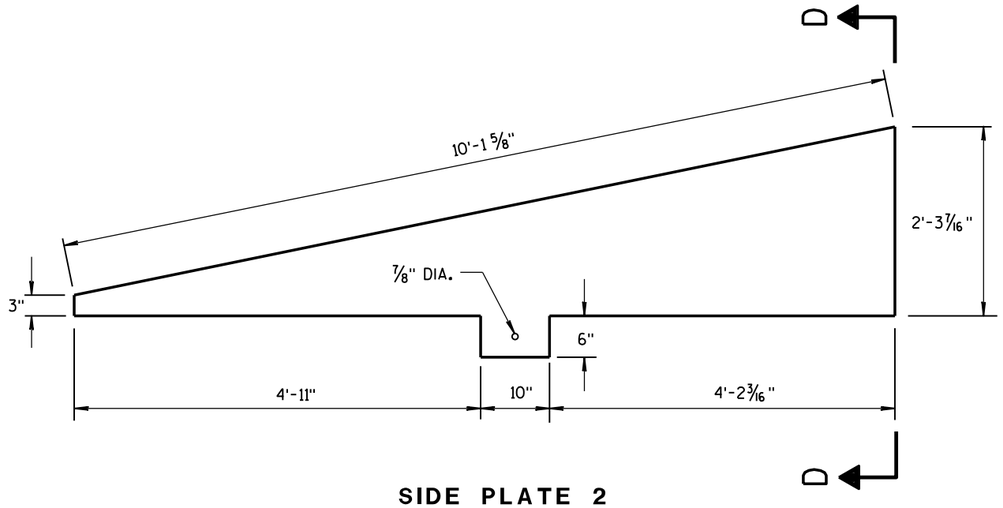
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

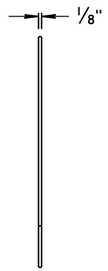
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

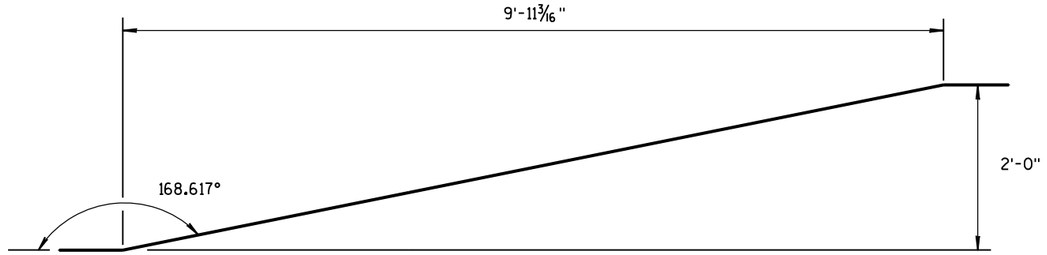
S.D.D. 14 B 7-15h



SIDE PLATE 2

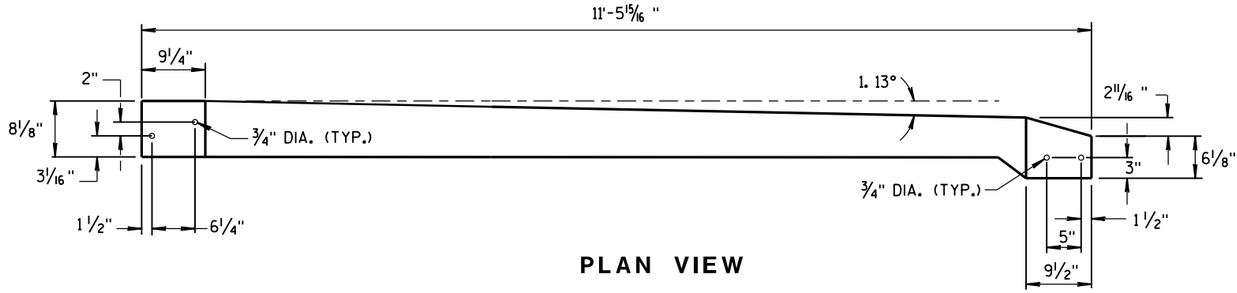


END VIEW



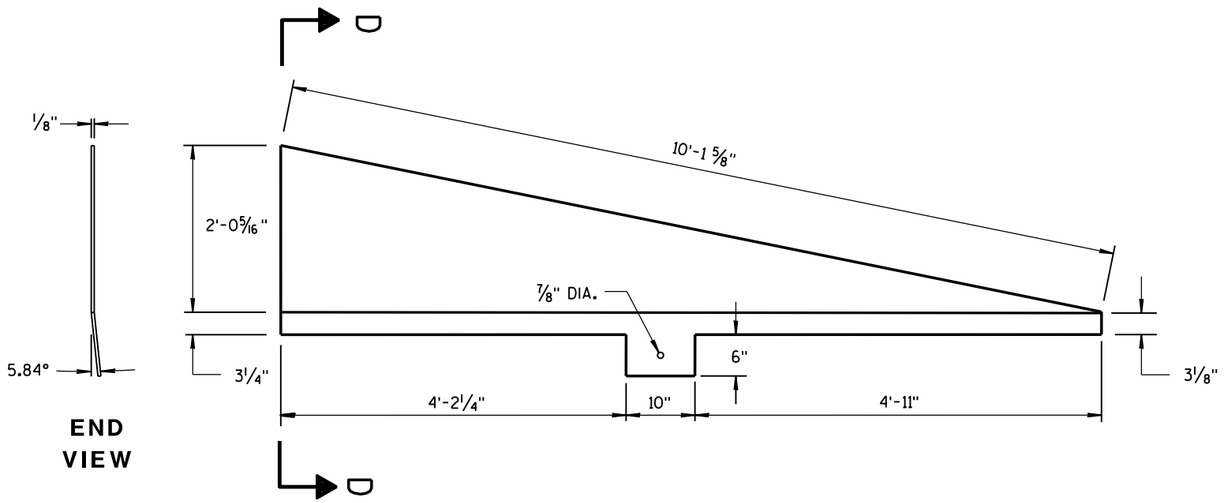
SIDE VIEW

TOP PLATE



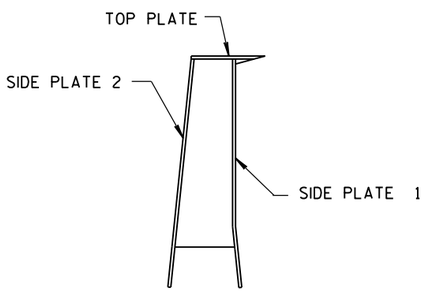
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

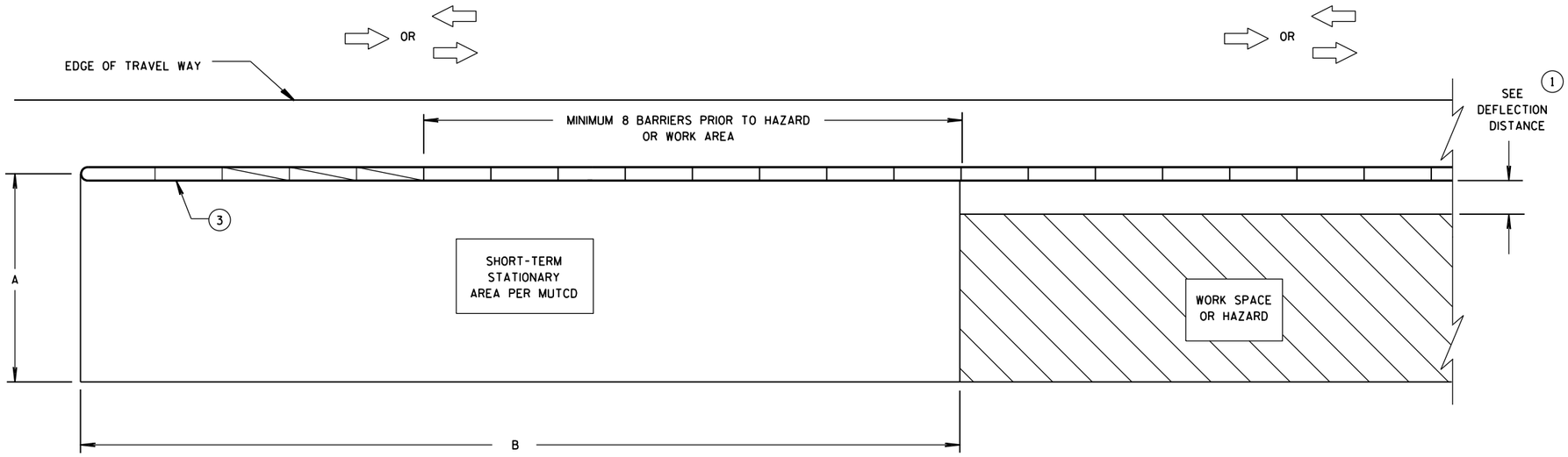
UNIT SUPERV 251 ENT

6

S.D.D. 14 B 7-15i

6

S.D.D. 14 B 7-15i



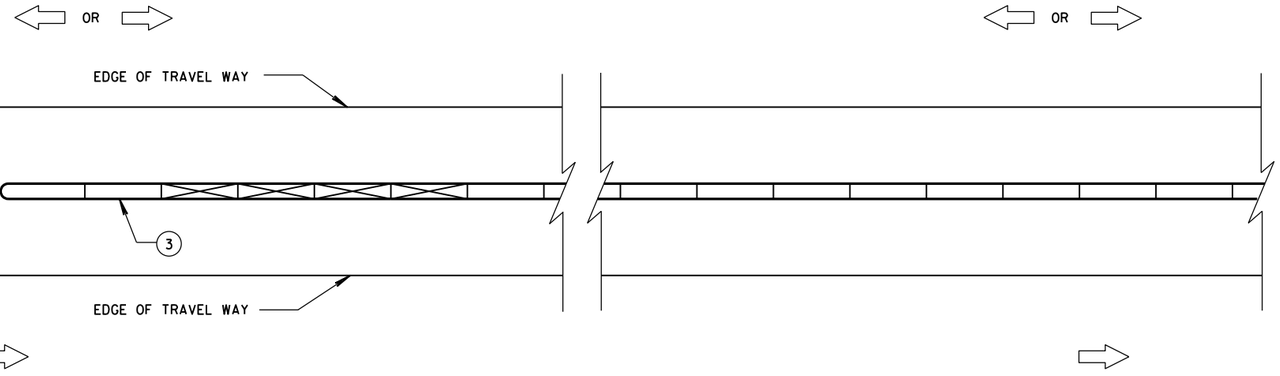
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

DIMENSION A TABLE (2)

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

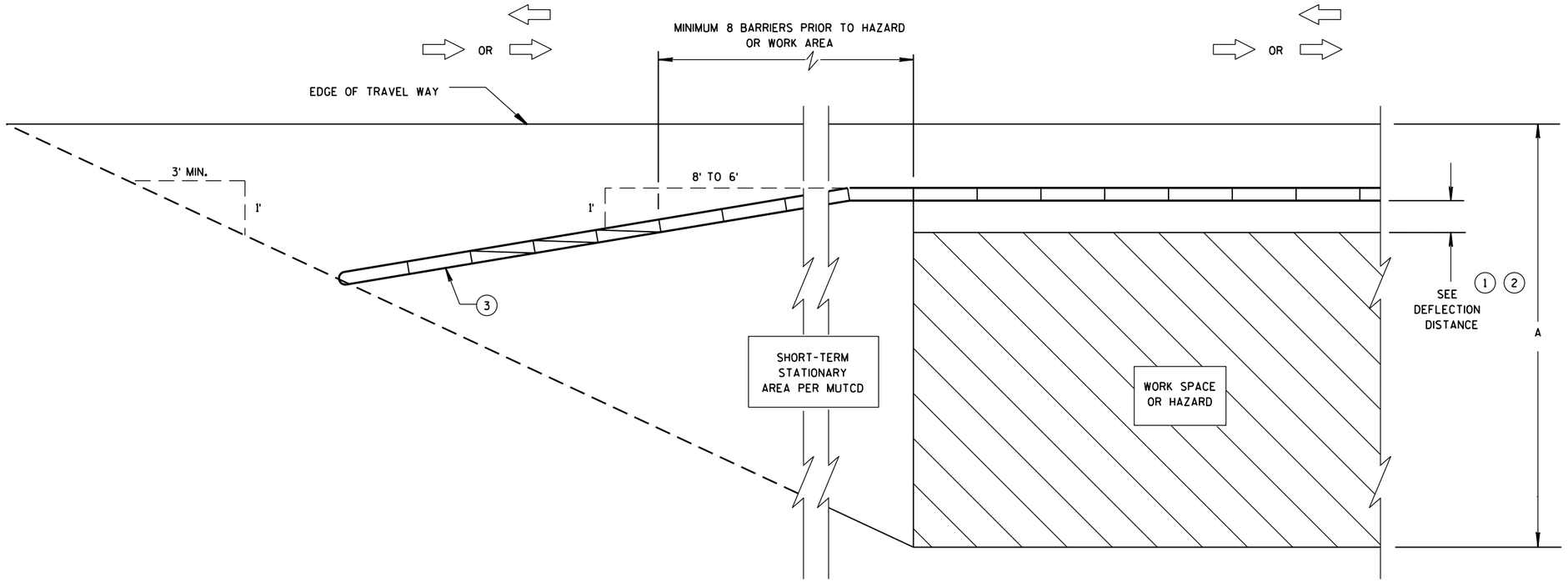
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

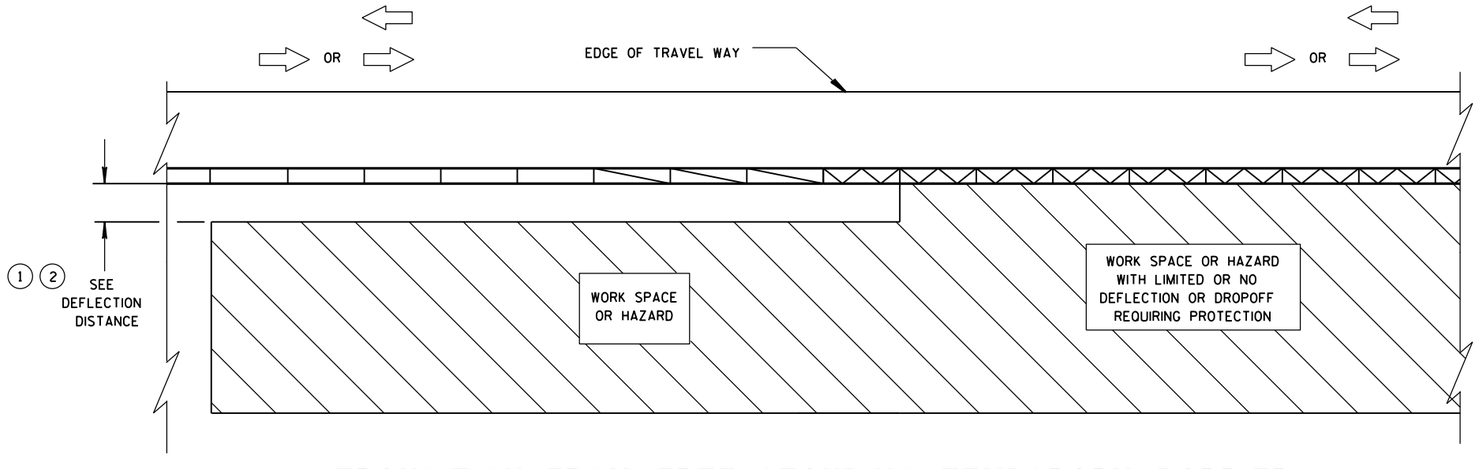
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2a
S.D.D. 14 B 8-2a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 8-2b

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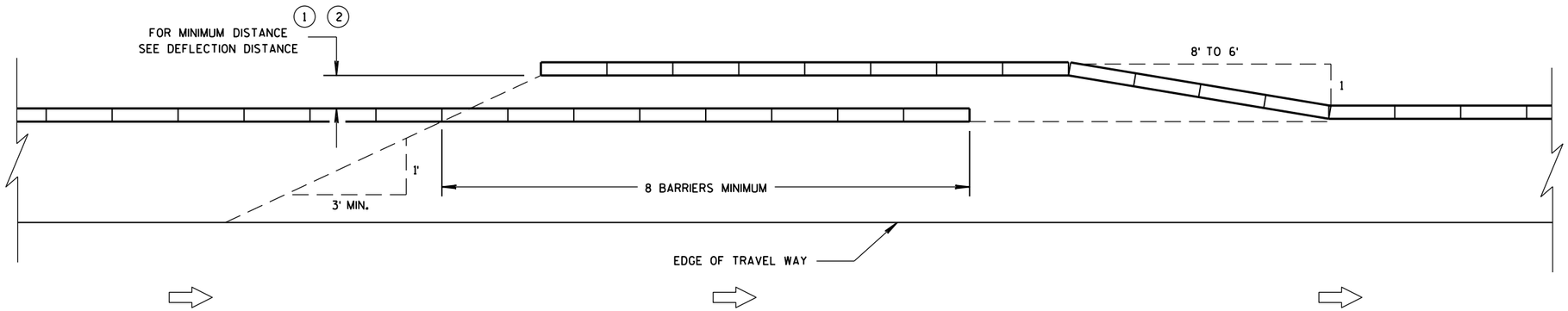
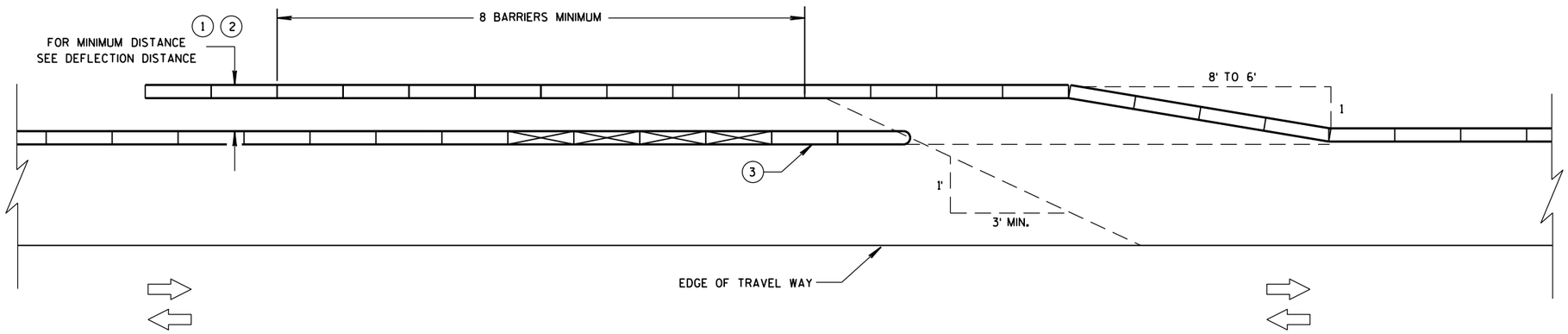
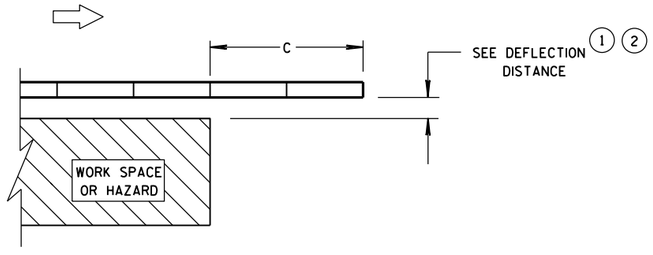
S.D.D. 14 B 8-2b



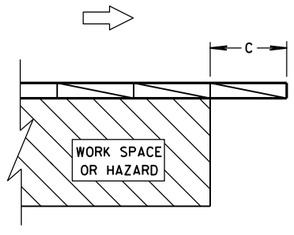
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

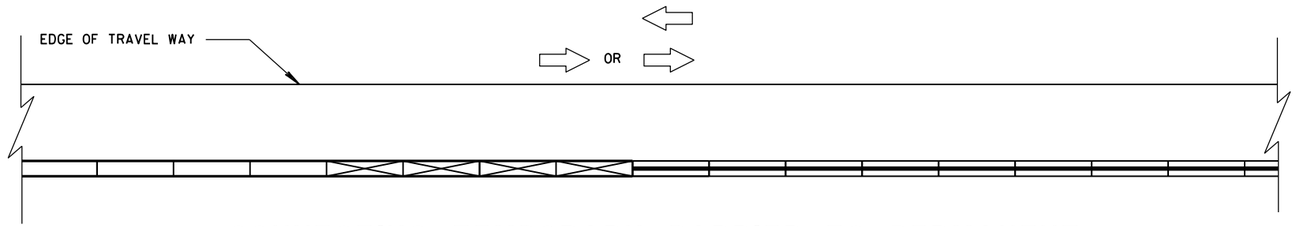
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

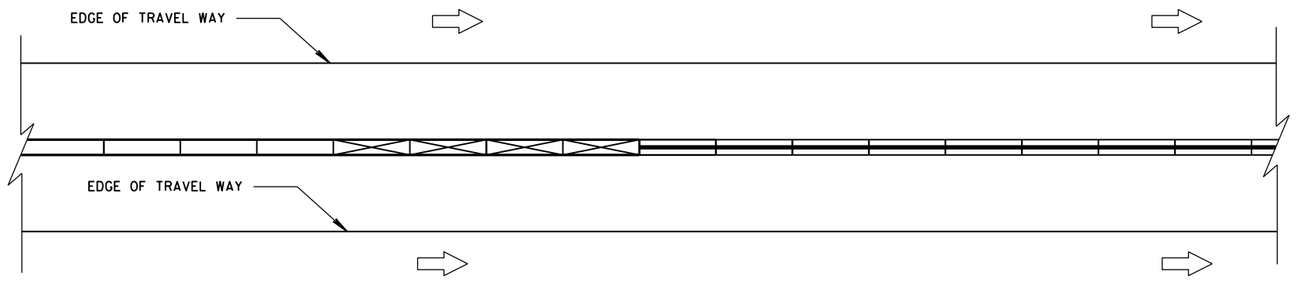
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2c



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR
SAND BARREL ARRAY

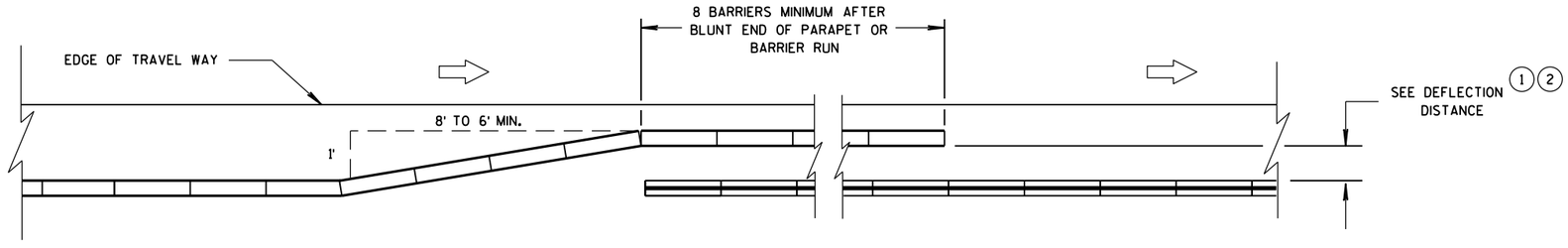
SEE FREE STANDING TRANSITION
TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION
TO TIED-DOWN SYSTEM DETAILS

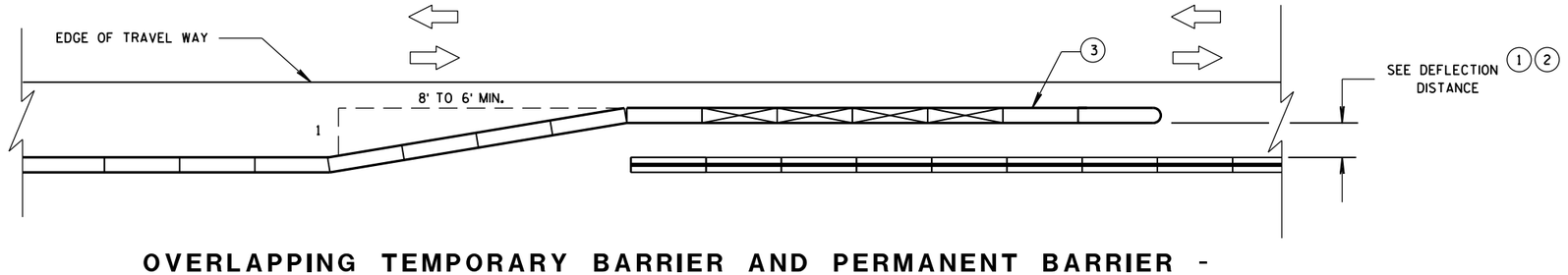
3 PINS PLACED ON
TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER
OR CONCRETE PARAPET

FREE STANDING TEMPORARY
BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL
ARRAY AND OTHER TEMPORARY
BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 8-2d

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

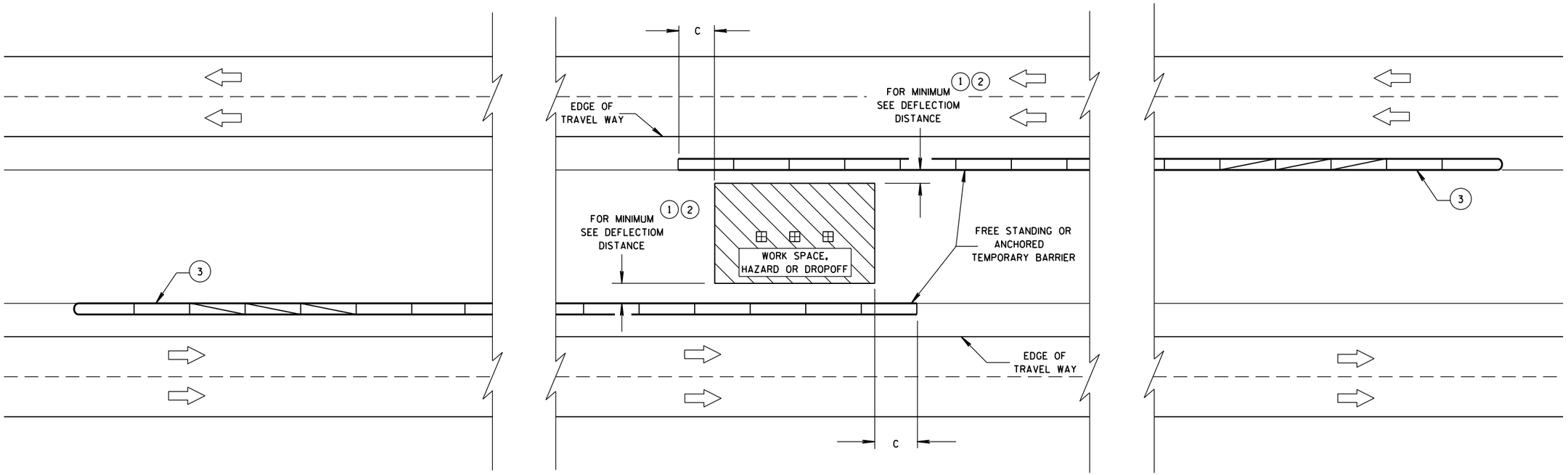
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINNER
FHWA

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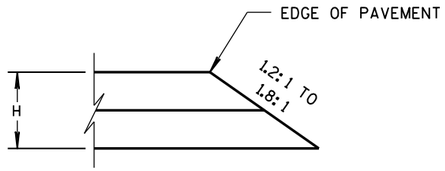
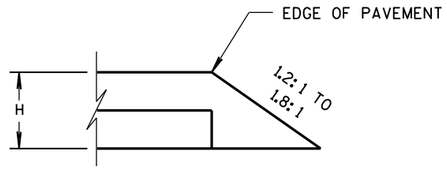
S.D.D. 14 B 8-2e



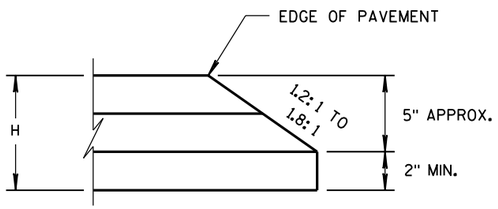
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



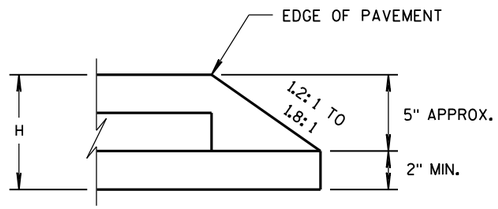
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

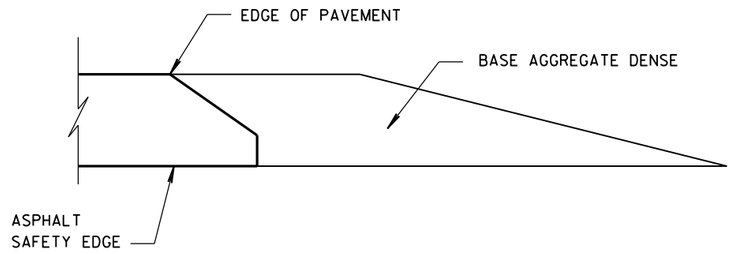
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

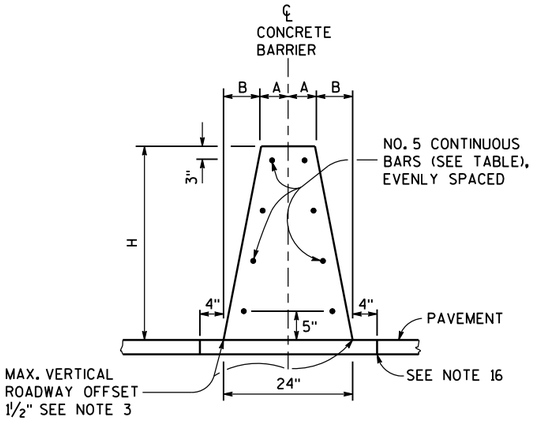
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

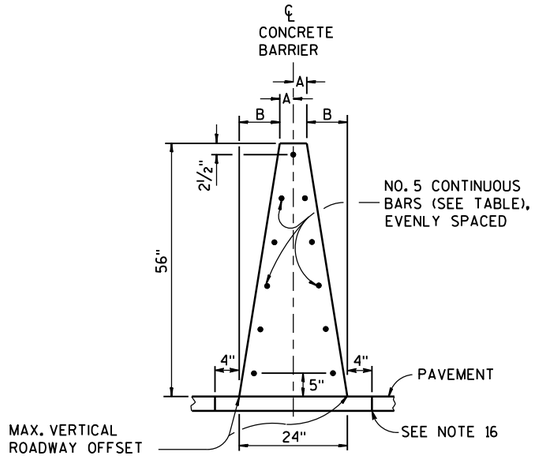
11/30/2012
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

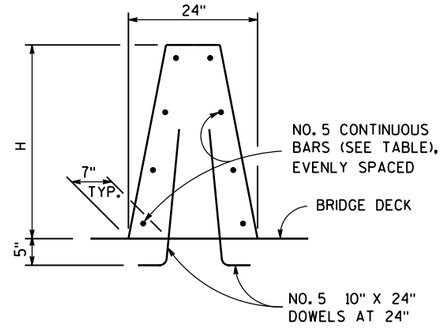
FHWA



32-INCH, 36-INCH OR 42-INCH SINGLE SLOPE CONCRETE BARRIER (TYPE S32, TYPE S36, AND TYPE S42)



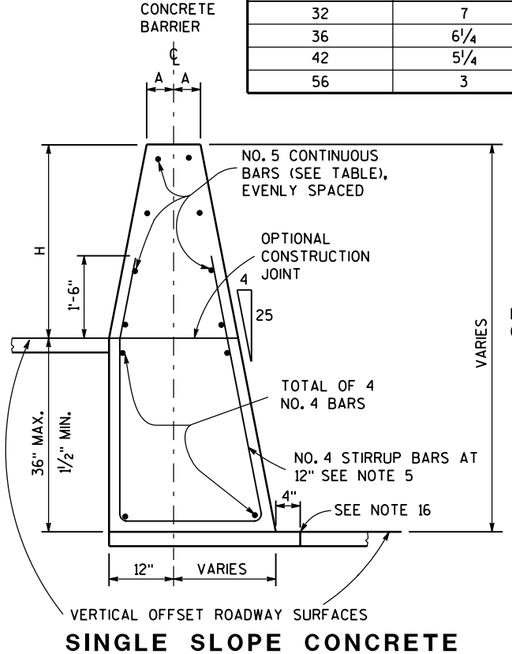
56-INCH SINGLE SLOPE CONCRETE BARRIER (TYPE S56)



SINGLE SLOPE CONCRETE BARRIER ON BRIDGE

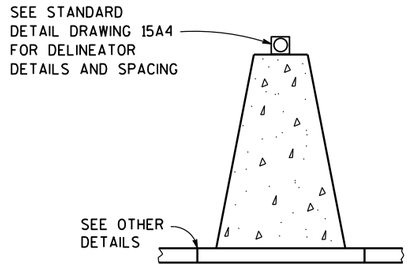
NON OUTER PARAPET APPLICATION

BARRIER HEIGHT H INCHES	A INCHES	B INCHES	NUMBER OF NO. 5 BARS EACH
32	7	5	8
36	6¼	5¾	8
42	5¼	6¾	10
56	3	9	11

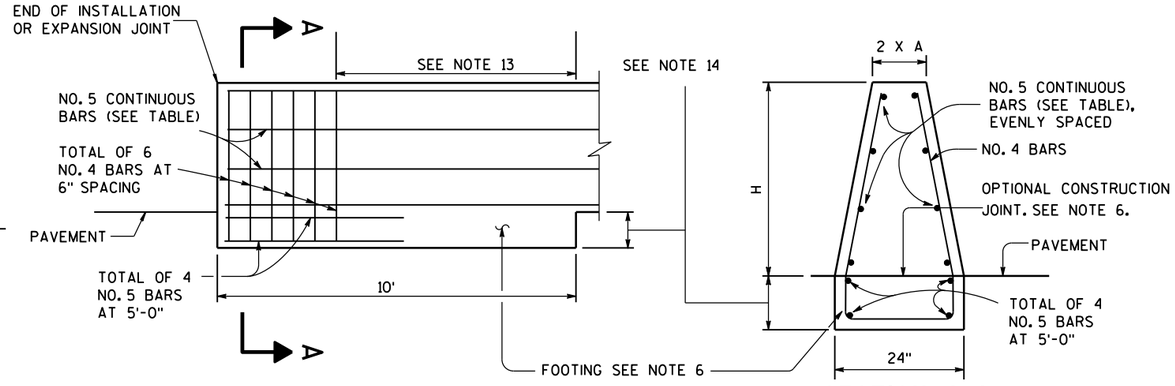


SINGLE SLOPE CONCRETE BARRIER AND RETAINING WALL (TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)

(BETWEEN ADJACENT ROADWAYS)



DELINEATION



END ANCHOR SINGLE SLOPE CONCRETE BARRIER

AT CONSTRUCTION JOINT

SECTION A-A

GENERAL NOTES

1. WHERE THE CONCRETE BARRIER IS ADDED TO THE FACE OF EXISTING CONCRETE STRUCTURE, MATCH EXISTING WEEP HOLES.
2. EXPANSION JOINTS IN CONCRETE BARRIER SHALL BE LOCATED AT ALL DECK, AND PRINCIPAL WALL JOINTS. EXPANSION JOINT FILLER MATERIAL SHALL BE THE SAME SIZE AS JOINT OR ½" MINIMUM.
3. WHERE VERTICAL ROADWAY OFFSET IS GREATER THAN 1½", USE TYPE A
4. PLACE BARRIER PERPENDICULAR TO SHOULDER GRADE, UNLESS INDICATED IN PLAN.
5. EXCEPT IN ANCHORS, VERTICAL REINFORCING STIRRUP NOT REQUIRED FOR ROADWAY OFFSETS LESS THAN 1'-0".
6. FOR TYPE S32, TYPE S36, TYPE S42, AND S56 MONOLITHIC FOOTING OR DOWELED FOOTING WITH 2-#8 x 8" @ 2'-0".
7. STAGGER LAPPING OF LONGITUDINAL STEEL. MINIMUM OVERLAP OF STEEL 2 FEET. BARS AT LAPS TO BE FIRMLY TIED OR CONNECTED.
8. 4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATION 501.
9. WHEN SWITCHING BETWEEN SLIP FORM AND CAST-IN-PLACE OPERATIONS, EXTEND LONGITUDINAL STEEL 3 FEET BEYOND SLIP-FORMING CUT OFF POINT. EXPOSED STEEL INTO NEXT POURS REINFORCEMENT. LAPS TO BE FIRMLY TIED.
10. USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.
11. 2" CLEAR COVER TYPICAL.
12. COLD-JOINTS MAY BE USED BETWEEN ANCHOR INSTALLATIONS. WHEN A COLD JOINT IS NEEDED, 3 FEET OF LAP OF LONGITUDINAL STEEL IS REQUIRED. LAPS TO BE FIRMLY TIED.
13. IN TYPE S32, TYPE S36, TYPE S42 AND TYPE S56 NO ADDITIONAL VERTICAL STEEL NEEDED. IN TYPE S32A, TYPE S36A, TYPE S42A AND TYPE S56A REQUIRES VERTICAL STEEL. SEE OTHER DETAIL.
14. IN TYPE S32, TYPE S36, TYPE S42 AND TYPE S56 DEPTH OF FOOTING 10". IN TYPE S32A, TYPE S36A, TYPE S42A AND TYPE S56A MATCH TOTAL HEIGHT OF SINGLE SLOPE BARRIER RETAINING WALL.
15. FOR ALL BARRIER TYPES SHOWN, ANCHOR IS REQUIRED AT CONCRETE BARRIER ENDS AND AT INTERRUPTIONS IN CONCRETE BARRIER. ANCHOR MAY BE AS SHOWN ON DRAWING OR DETAILS SHOWN ON S.D.D. 14B33. ANCHORS INCIDENTAL TO CBSS.
16. CONCRETE PAD UNDER CBSS MAY BE PLACED INTEGRAL WITH BARRIER, PLACED SEPARATELY OR PLACED WITH CONCRETE SHOULDER AND SAWED FULL DEPTH. CONCRETE PAD MINIMUM DEPTH IS 6 INCHES, OR EQUAL TO THE DEPTH OF THE CONCRETE SHOULDER.

CONCRETE BARRIER SINGLE SLOPE (CBSS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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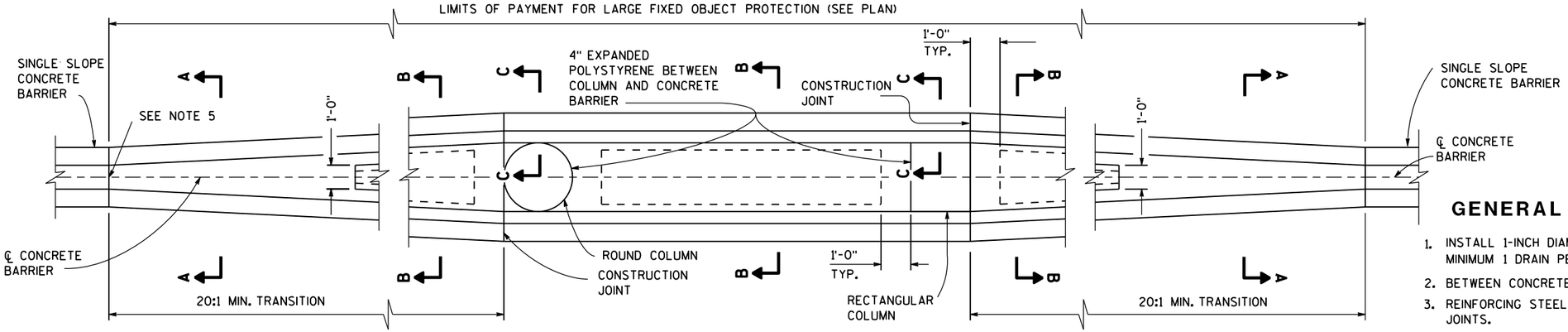
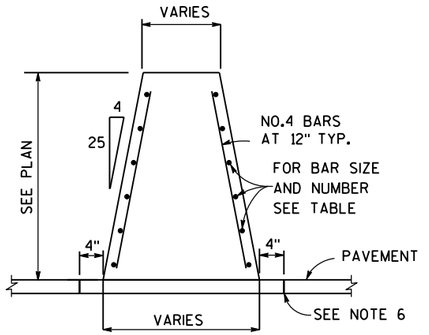
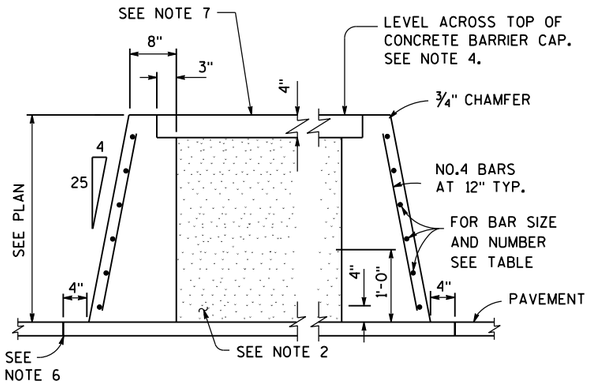
S.D.D. 14 B 32-5a



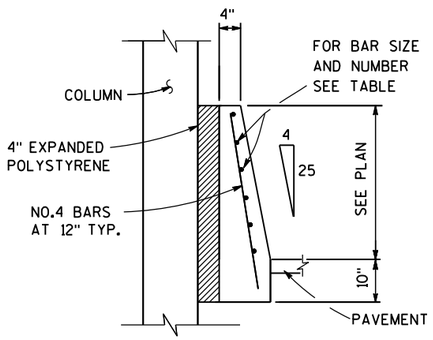
LARGE FIXED OBJECTS PROTECTION
TYPE S32, TYPE S36, TYPE S42, TYPE S56



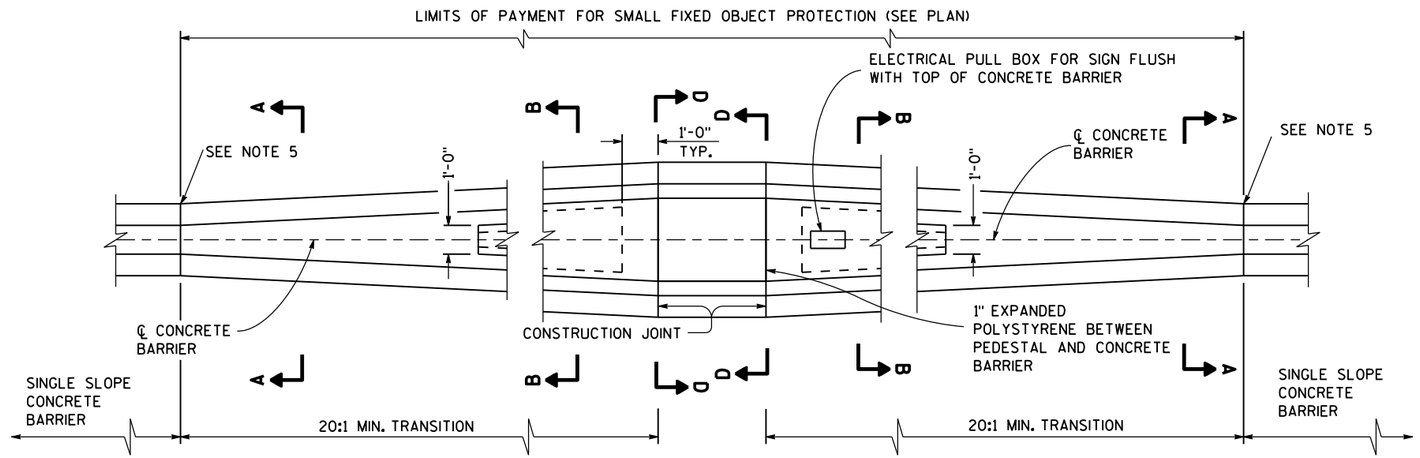
SECTION A-A



SECTION B-B



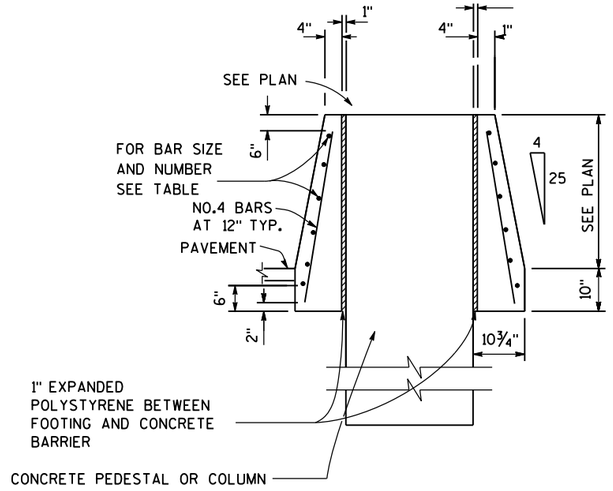
SECTION C-C



SMALL FIXED OBJECTS PROTECTION
TYPE S32, TYPE S36, TYPE S42, TYPE S56

GENERAL NOTES

1. INSTALL 1-INCH DIAMETER DRAIN PIPE EVERY 20 FEET OF CROSS SECTION B-B. MINIMUM 1 DRAIN PER CAVITY.
2. BETWEEN CONCRETE BARRIER WALLS FILL WITH FOUNDATION BACKFILL.
3. REINFORCING STEEL SHALL EXTEND CONTINUOUS THROUGH CONSTRUCTION JOINTS.
4. ADJUST HEIGHT OF CONCRETE BARRIER WALL ON LOW SIDE OF OFFSET OR SUPERELEVATED ROADWAYS TO PROVIDE LEVEL GRADE ACROSS TOP OF CONCRETE CAP.
5. IF FIXED OBJECT PROTECTION IS INSTALLED FIRST, USE COLD JOINTS. IF CBSS PLACED FIRST, USE EXPANSION JOINT.
6. CONCRETE PAD UNDER CBSS MAY BE PLACED INTEGRAL WITH BARRIER, PLACED SEPARATELY OR PLACED WITH CONCRETE SHOULDER AND SAWED FULL DEPTH. SAWING OF CONCRETE SHOULDER IS INCIDENTAL TO CONCRETE BARRIER BID ITEM. CONCRETE PAD MINIMUM DEPTH IS 6 INCHES, OR EQUAL TO THE DEPTH OF THE CONCRETE SHOULDER.
7. USE NO. 3 BAR SPACED 12 INCHES CENTER TO CENTER (PLACED IN EACH DIRECTION) OR EQUIVALENT WIRE MESH.



SECTION D-D

BARRIER HEIGHT H INCHES	BAR SIZE	NUMBER OF BARS EACH
32	4	6
36	4	6
42	5	6
56	5	9

CONCRETE BARRIER SINGLE SLOPE (CBSS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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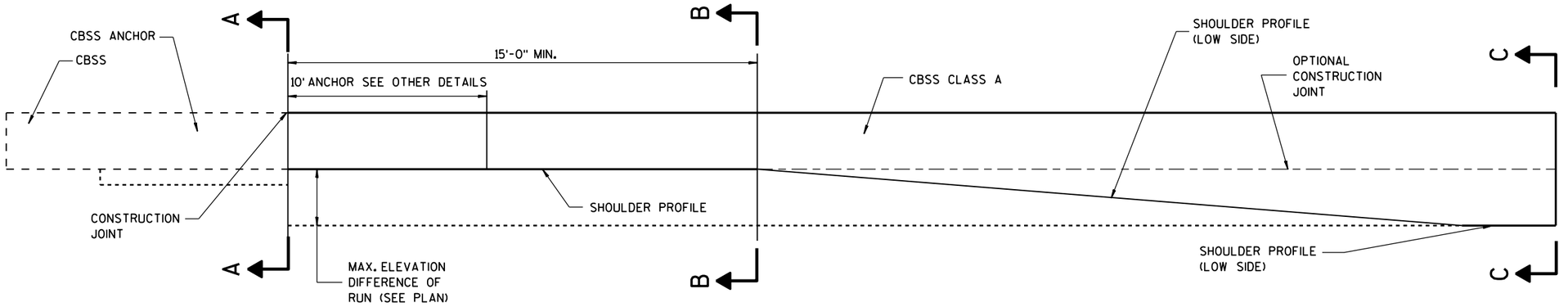
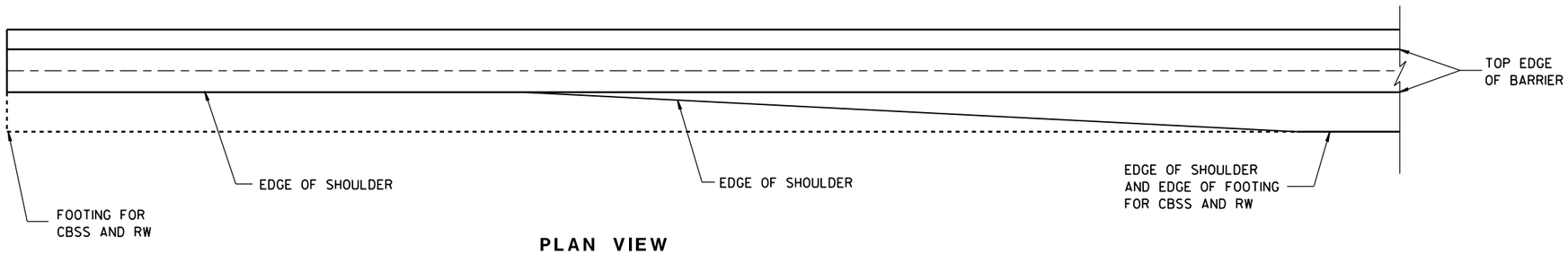
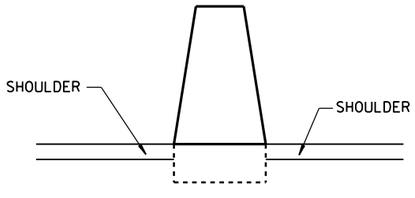
S.D.D. 14 B 32-5b



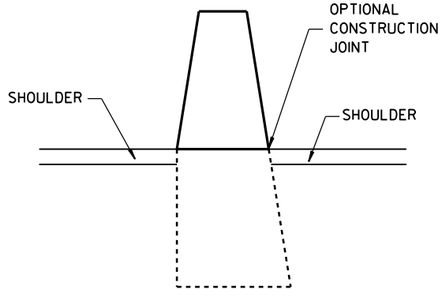
ELEVATION VIEW
TRANSITION TO CBSS CLASS A
(TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)



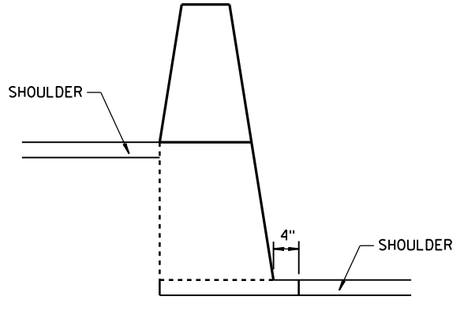
PLAN VIEW
TRANSITION TO CBSS CLASS A
(TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)



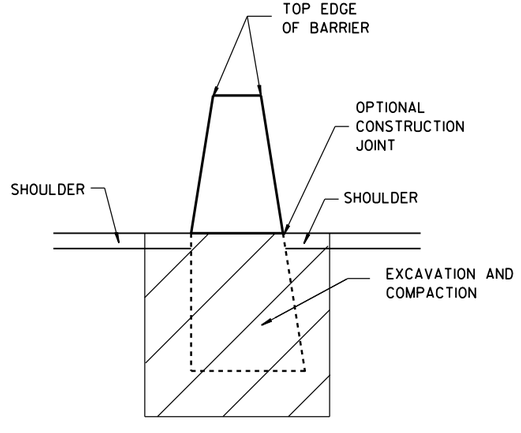
SECTION A-A



SECTION B-B



SECTION C-C

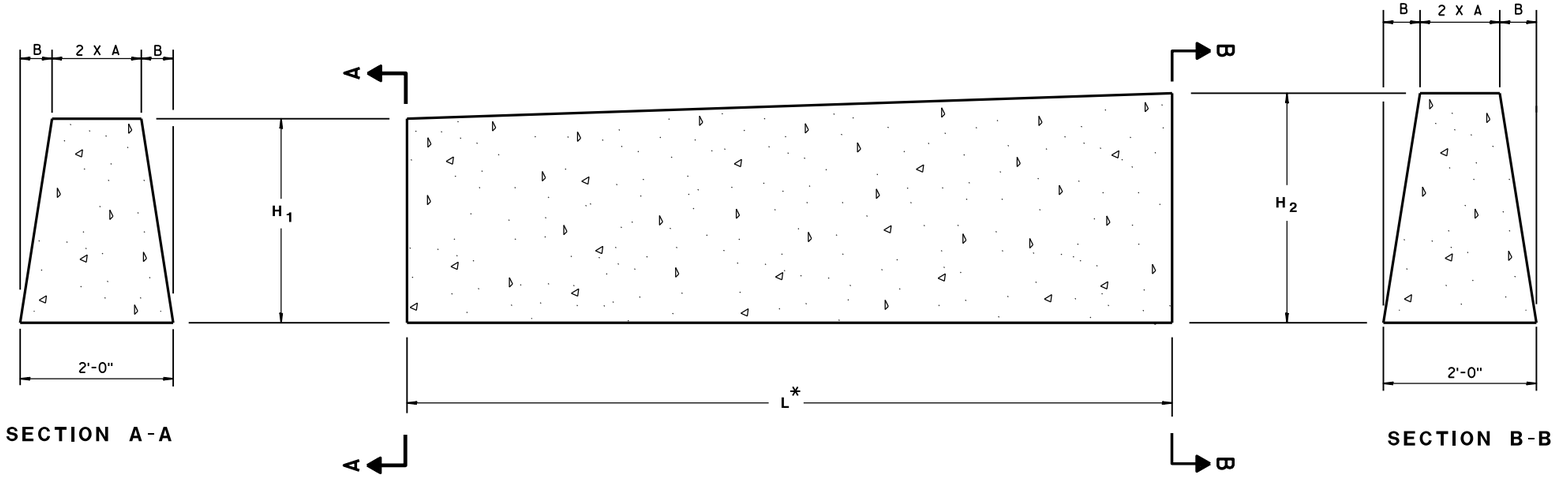


CONCRETE BARRIER SINGLE SLOPE (CBSS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 32-5c



SECTION A-A

SECTION B-B

DOUBLE COLD JOINT HEIGHT TRANSITION

BARRIER DIMENSIONS

BARRIER HEIGHT INCHES	A INCHES	B INCHES
32	7	5
36	6 1/4	5 3/4
42	5 1/4	6 3/4
56	3	9

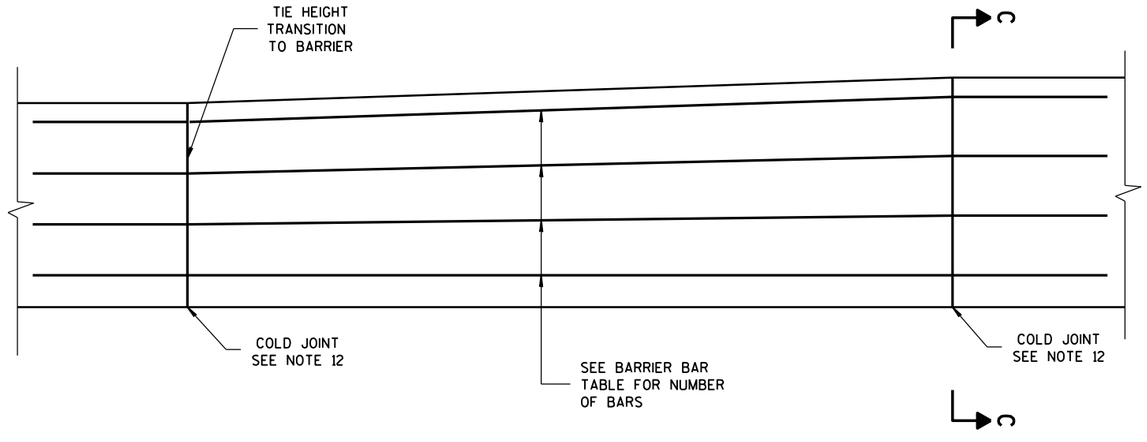
MULTIPLE HEIGHT TRANSITIONS MAY BE USED IN SEQUENCE TO GET TO APPROPRIATE HEIGHT.

USE COLD JOINT TO CONNECT MULTIPLE HEIGHT TRANSITIONS.

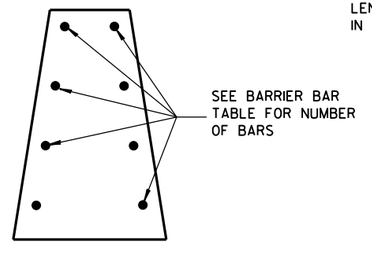
BARRIER BARS

H_1	H_2	L*	NUMBER OF NO. 5 BARS
32"	36"	10'-0"	8
36"	42"	10'-6"	10
42"	56"	24'-6"	11

* LENGTH OF DOUBLE COLD JOINT INCLUDED IN THE TOTAL LENGTH OF CBSS.



STEEL REINFORCEMENT DETAIL



SECTION C-C

CONCRETE BARRIER SINGLE SLOPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS D UNIT SUPERVI NT

FHWA

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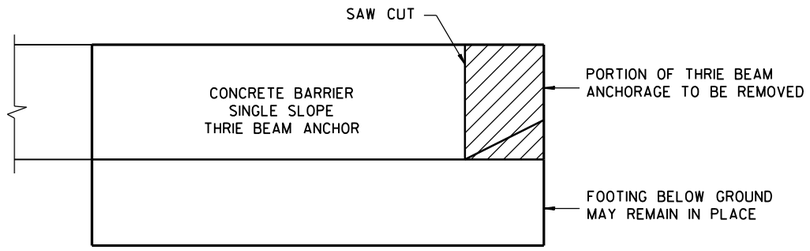
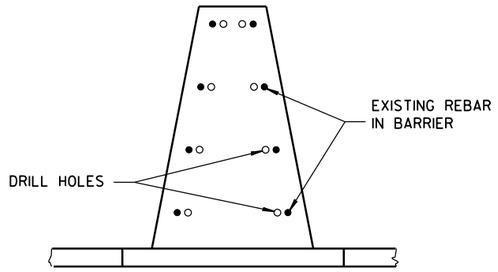
S.D.D. 14 B 32-5d

6

S.D.D. 14 B 32-5d



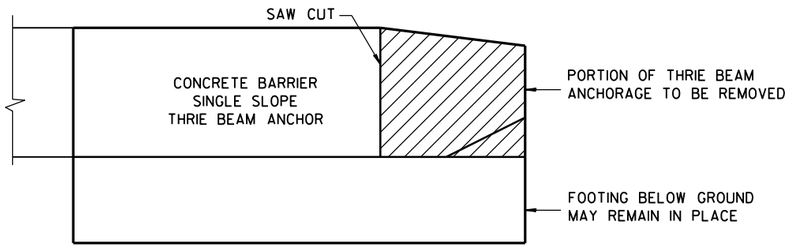
REMOVAL AREA OF
32" CONCRETE THRIE BEAM ANCHORAGE



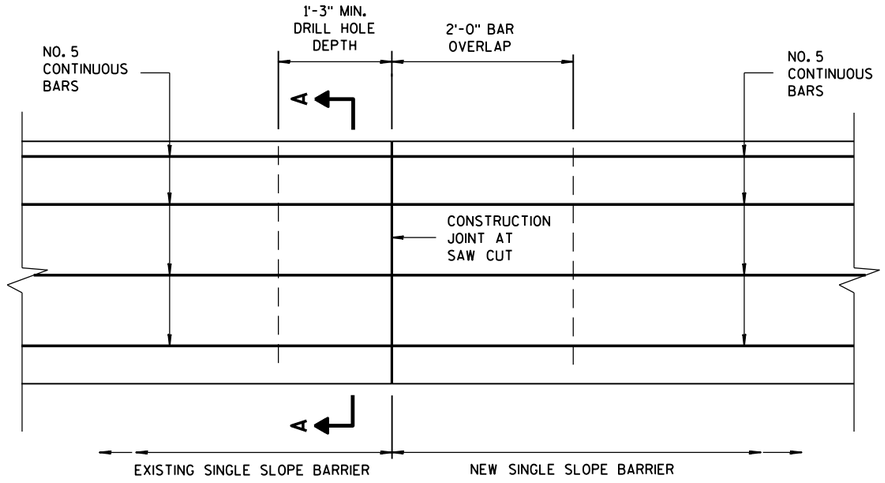
SECTION A-A

GENERAL NOTES

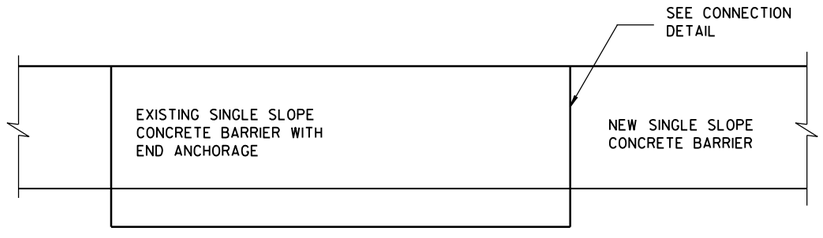
1. THE NUMBER OF DRILL HOLES IS EQUAL TO THE NUMBER OF REBAR IN BARRIER (SEE OTHER DETAILS).
2. MINIMUM DEPTH OF DRILL HOLES IS 1'-3".
3. DRILL HOLES TO BE A MINIMUM OF 4 INCHES FROM THE EDGE OF CONCRETE.
4. INSTALL EPOXY COATED NO. 5 BARS IN DRILL HOLES.
5. END ANCHORAGE MAY OR MAY NOT BE PRESENT ON EXISTING BARRIER.
6. REMOVE THRIE BEAM ANCHORAGE AS SHOWN.



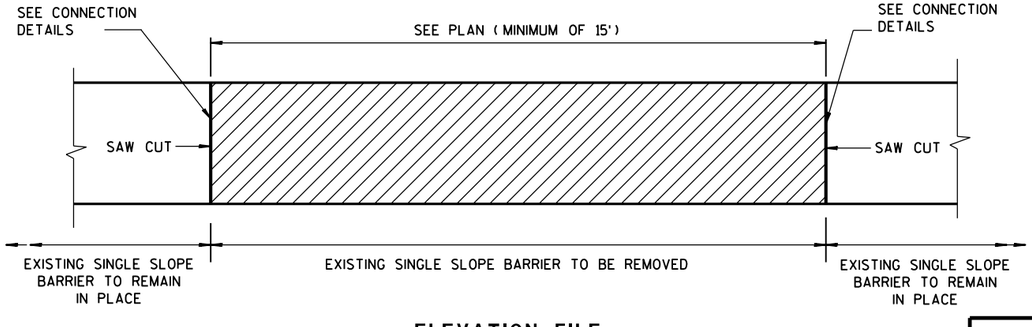
REMOVAL AREA OF CONCRETE THRIE BEAM
ANCHORAGE WITH HEIGHT GREATER THAN 32"



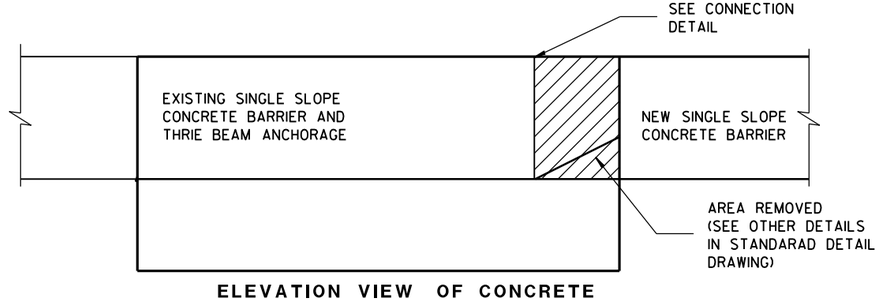
CONNECTION OF EXISTING SINGLE SLOPE CONCRETE BARRIER TO
NEW SINGLE SLOPE CONCRETE BARRIER



ELEVATION VIEW OF CONCRETE
BARRIER EXTENSION NEAR END ANCHORAGE



ELEVATION FILE
BARRIER REMOVAL AND REPLACEMENT



ELEVATION VIEW OF CONCRETE
BARRIER EXTENSION NEAR THRIE BEAM TERMINAL

CONCRETE BARRIER
SINGLE SLOPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D[illegible] UNIT SUPERVI[illegible]
FHWA

RETROFIT OR REPAIR SINGLE SLOPE CONCRETE BARRIER

6

S.D.D. 14 B 32-5e

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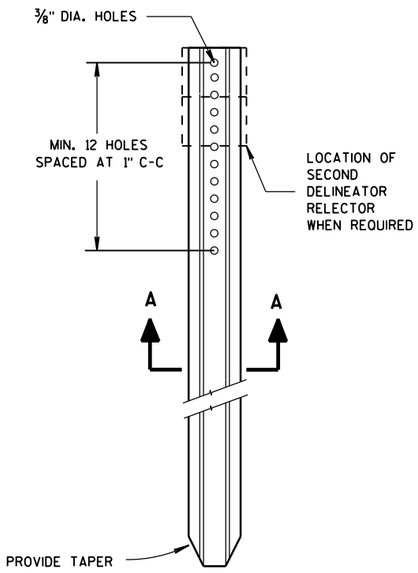
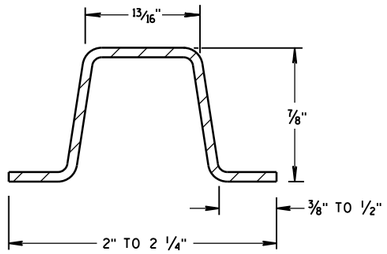
S.D.D. 14 B 32-5e

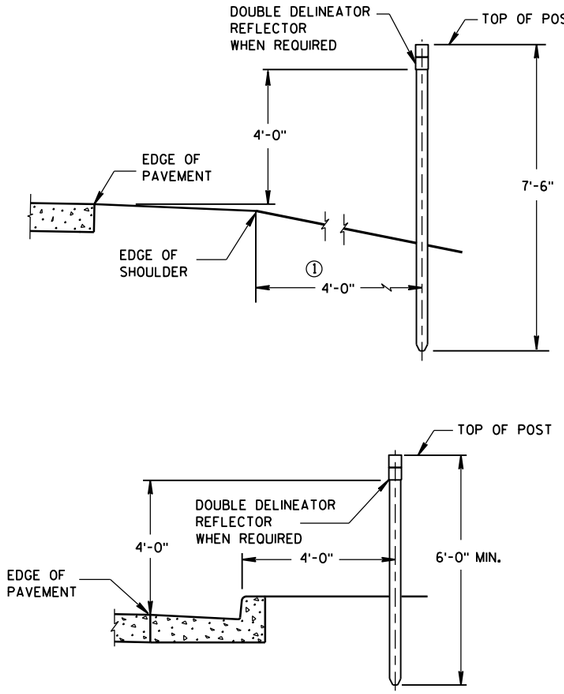


DELINEATOR POST



SECTION A-A

WEIGHT 1.12 LBS PER FT. ± 0.1 LB.

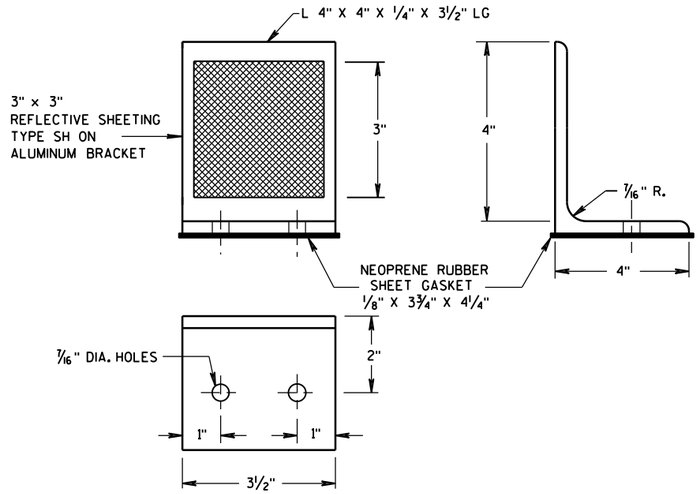


TYPICAL INSTALLATIONS OF DELINEATOR POSTS

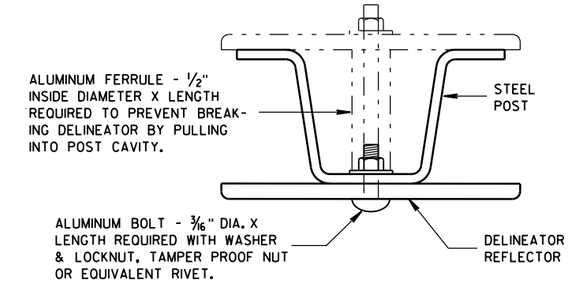
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

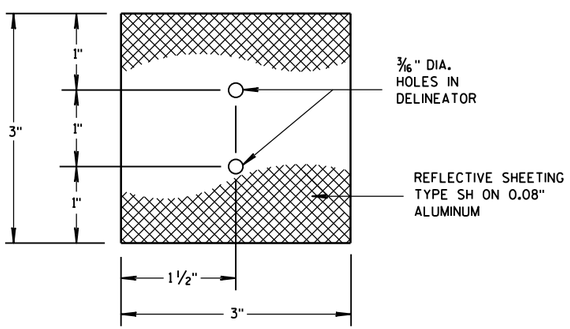
① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.



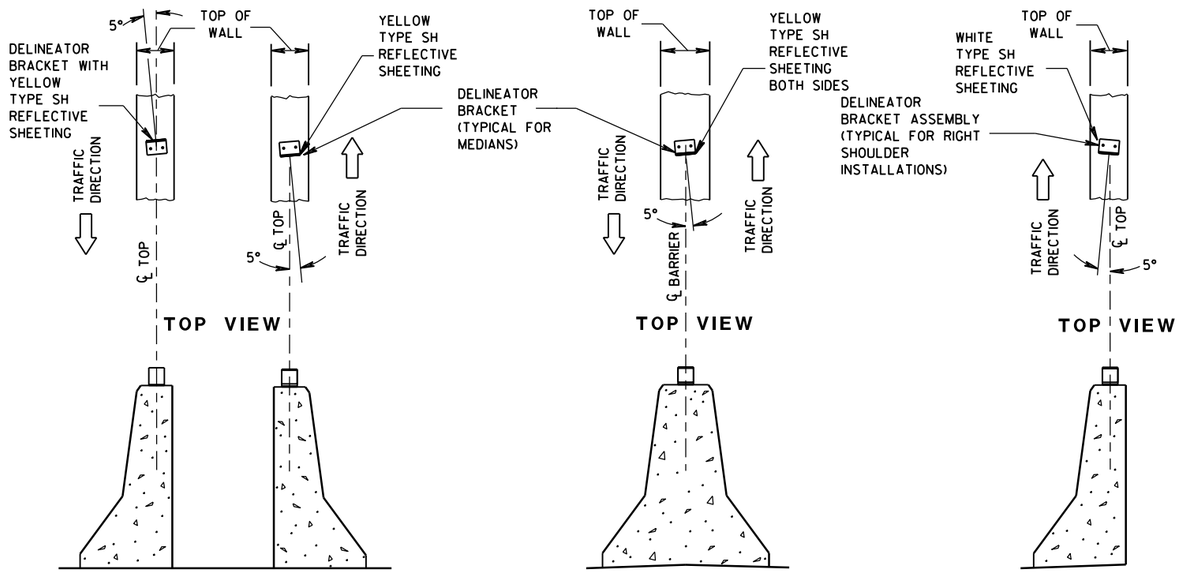
DELINEATOR BRACKET



MOUNTING DETAIL FOR DELINEATOR REFLECTOR

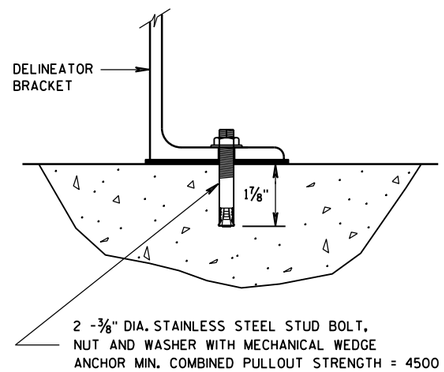


3"x 3" DELINEATOR REFLECTOR



DOUBLE BARRIERS IN MEDIAN | MEDIAN BARRIER | BARRIER LOCATED TO RT. OF TRAFFIC FLOW

LOCATION AND AIMING DETAILS FOR DELINEATOR BRACKETS MOUNTED ON CONCRETE BARRIERS



DELINEATOR BRACKET MOUNTING DETAIL

DELINEATOR POST, DELINEATOR REFLECTOR AND DELINEATOR BRACKET WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-18-16 DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible] GINEER
FHWA

6

S.D.D. 15 A 2-9

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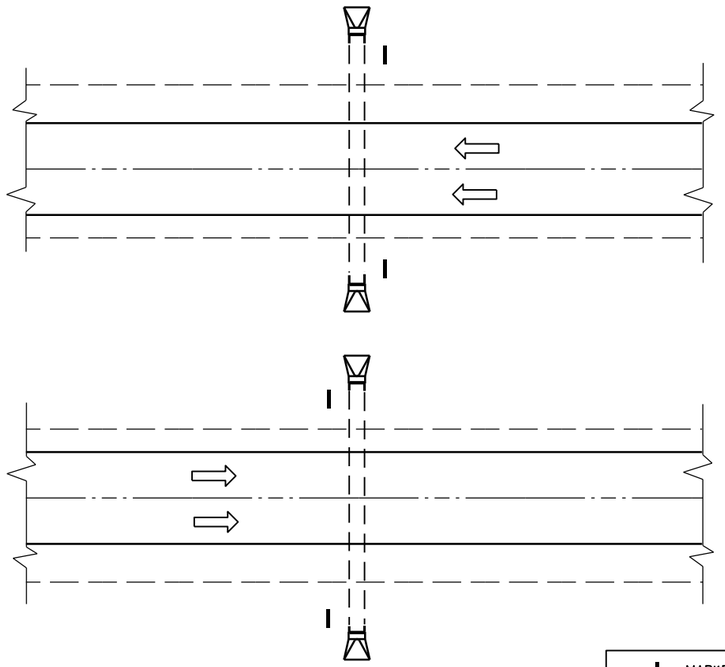
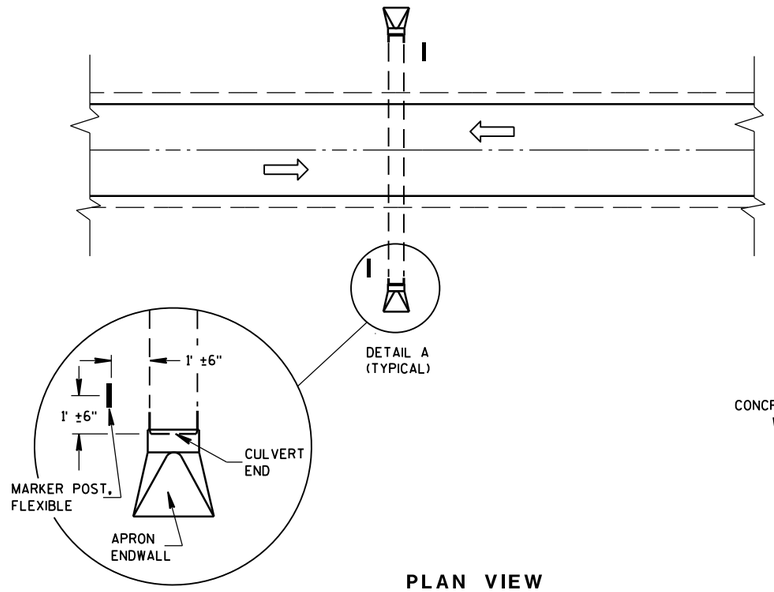
S.D.D. 15 A 2-9



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

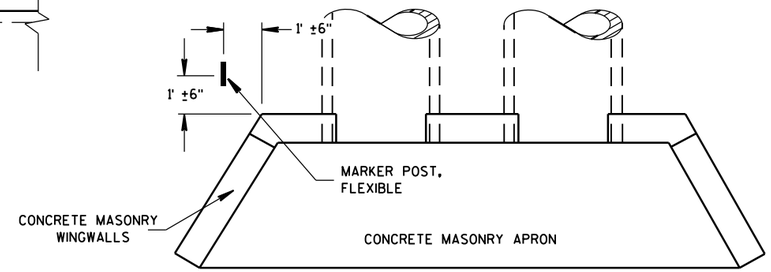
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

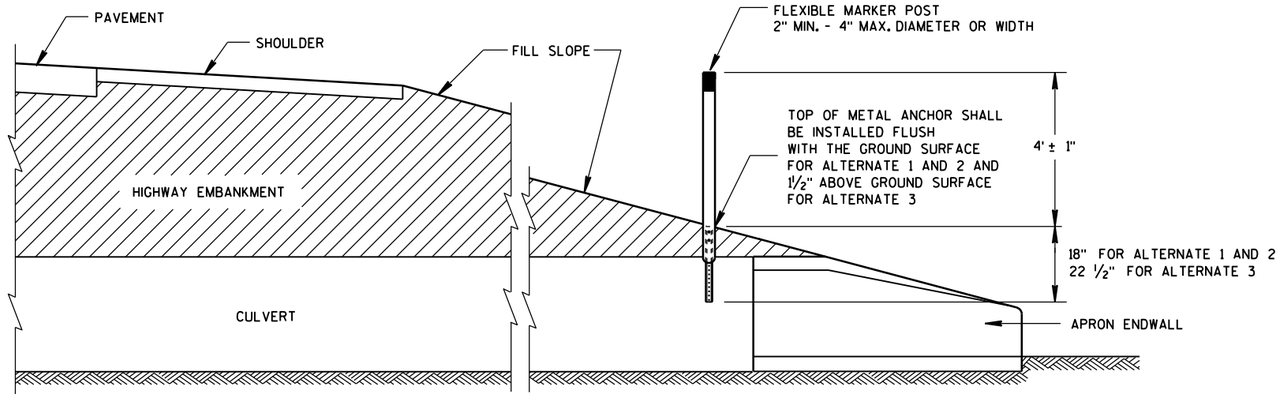
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 A 3-2a

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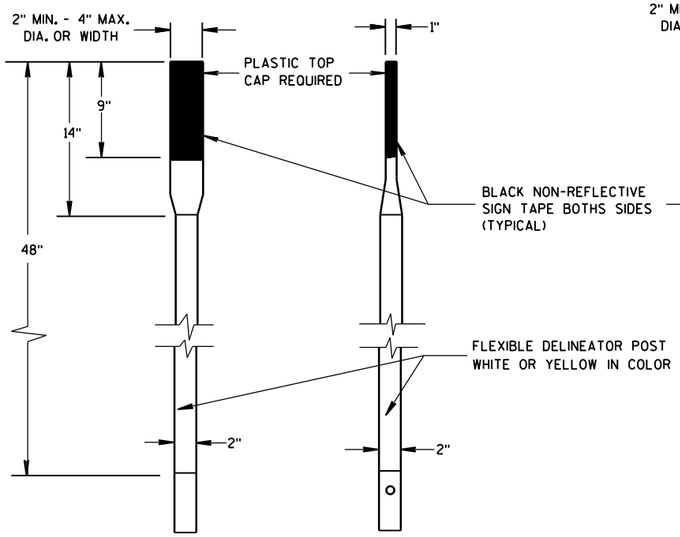
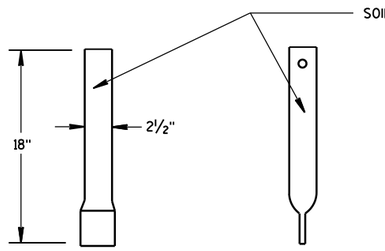
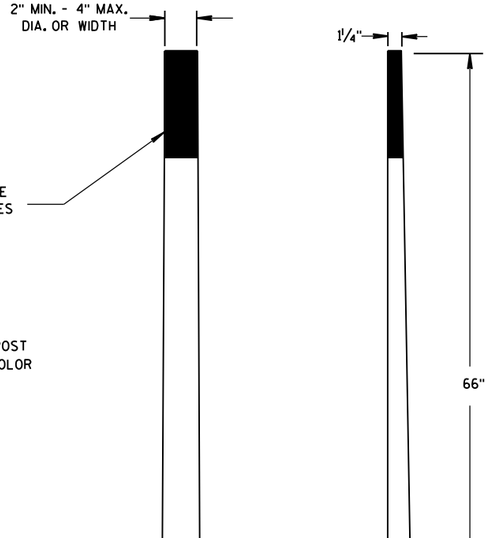
S.D.D. 15 A 3-2a





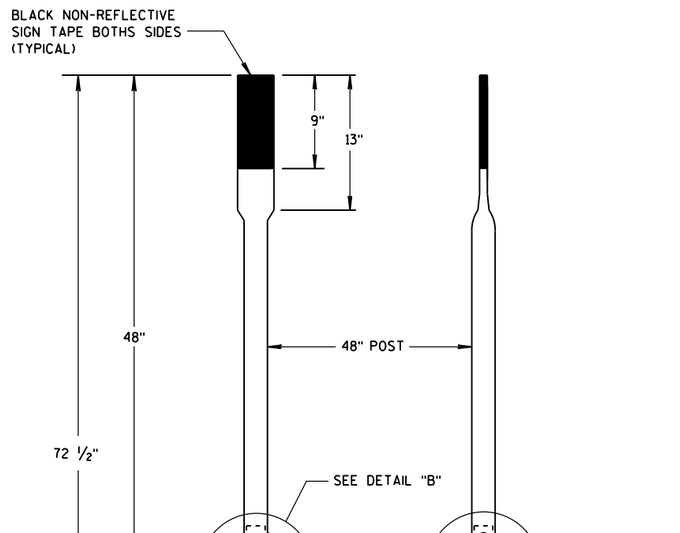
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

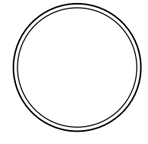
ALTERNATE 2



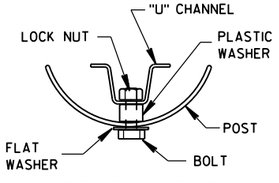
FRONT VIEW SIDE VIEW

ALTERNATE 3

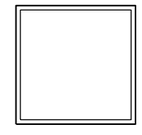
FLEXIBLE MARKER POSTS



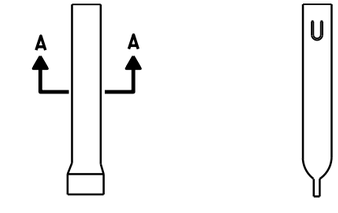
SECTION A-A



SECTION B-B

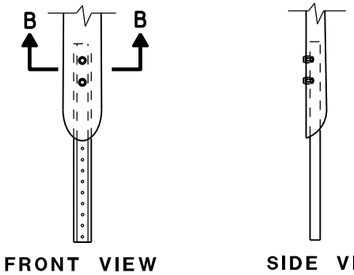


SECTION C-C



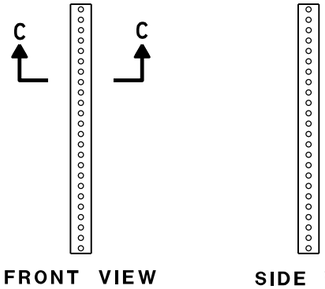
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

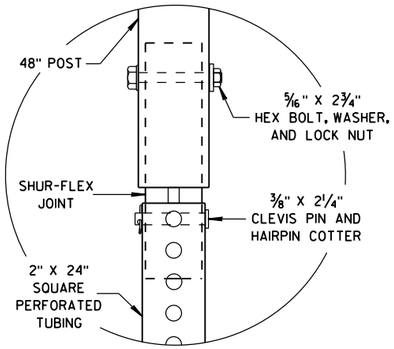
ALTERNATE 2



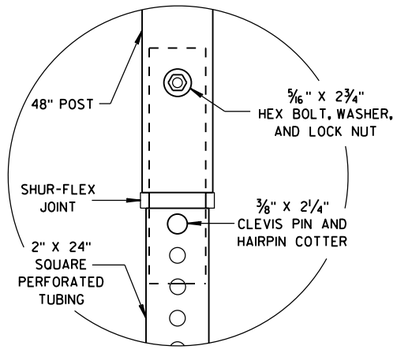
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



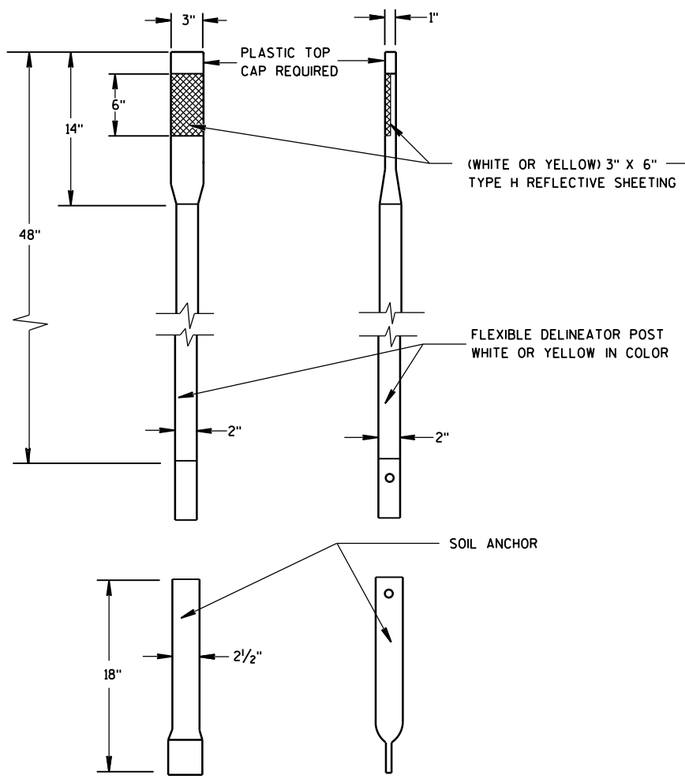
DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

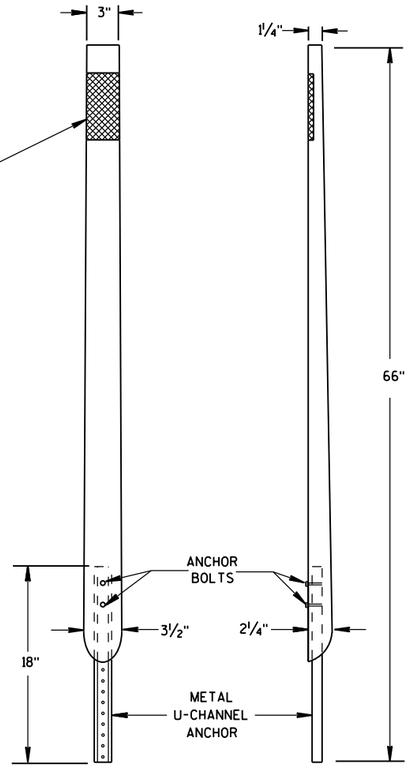
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

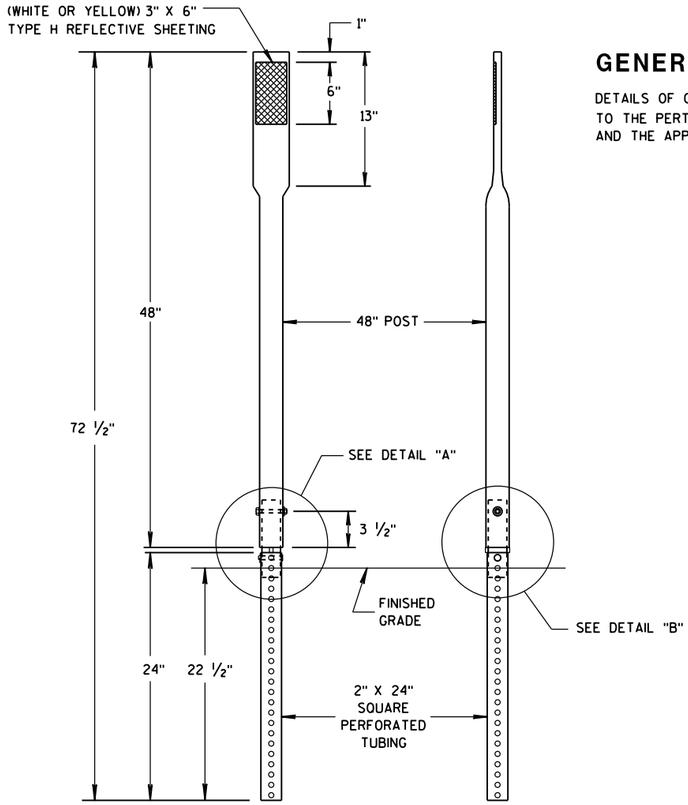
6
S.D.D. 15 A 3-2b



ALTERNATE 1



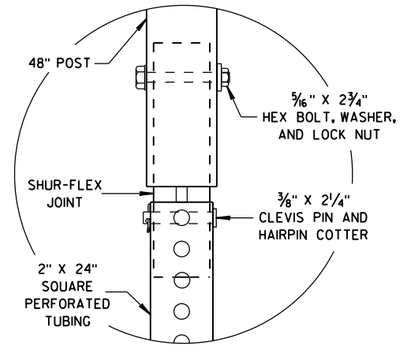
ALTERNATE 2
FLEXIBLE DELINEATOR POSTS



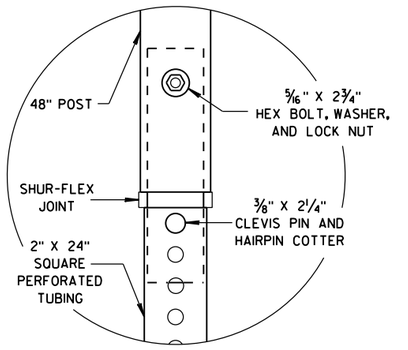
ALTERNATE 3

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDATRD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



DETAIL A

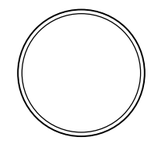


DETAIL B

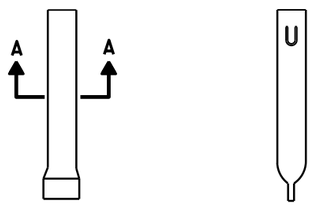
REFLECTOR SPACING TABLE

REFLECTOR SPACING	LOCATION
*100' C-C	RAMPS
400' C-C	MAINLINE

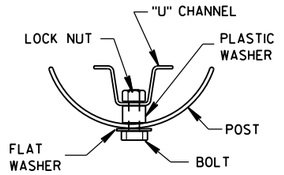
*START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER



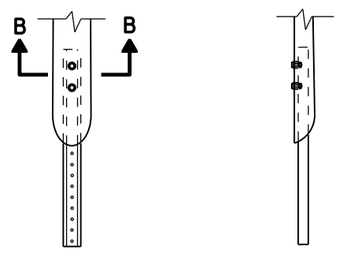
SECTION A-A



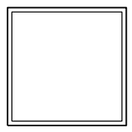
ALTERNATE 1



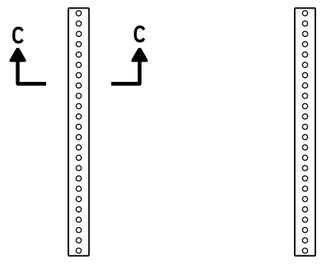
SECTION B-B



ALTERNATE 2
FLEXIBLE MARKER POST ANCHORS



SECTION C-C



ALTERNATE 3

FLEXIBLE DELINEATOR POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

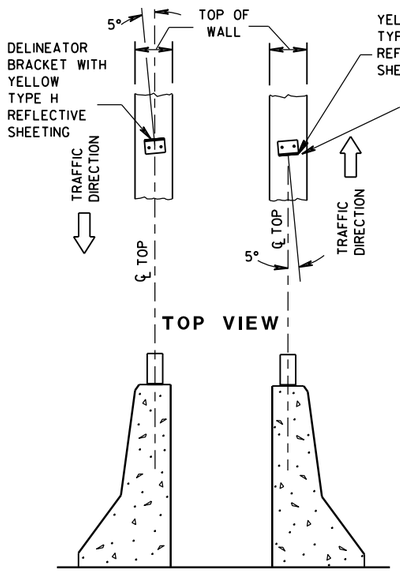
APPROVED
June 2017
DATE
/S/ Andrew Heidtke
STATE SIGNING AND MARKING ENGINEER
FHWA

6

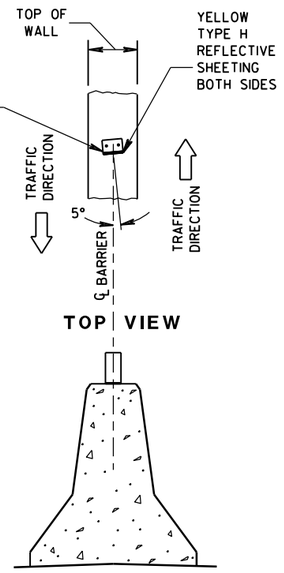
S.D.D. 15 A 4-3a

6

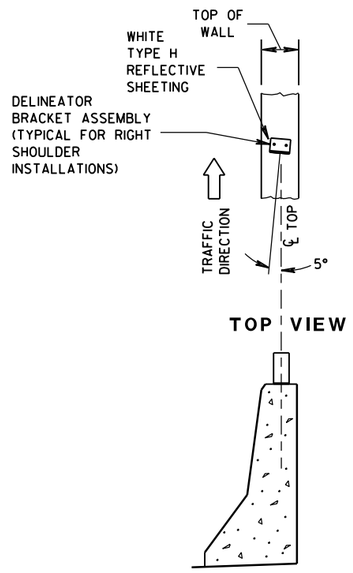
S.D.D. 15 A 4-3a



DOUBLE BARRIERS IN MEDIAN

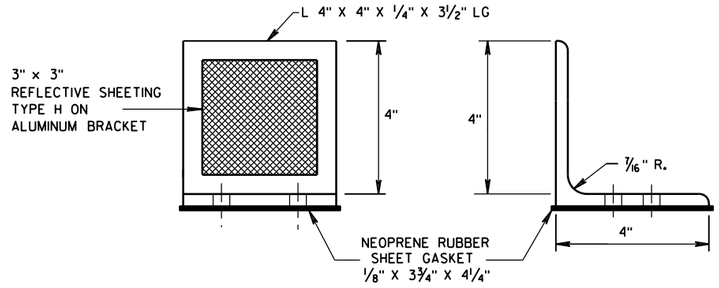


MEDIAN BARRIER

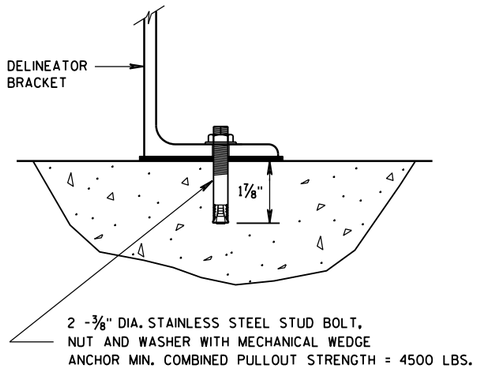


BARRIER LOCATED
TO RT. OF TRAFFIC FLOW

LOCATION AND AIMING DETAILS FOR DELINEATOR BRACKETS MOUNTED ON CONCRETE BARRIERS



DELINEATOR BRACKET



DELINEATOR BRACKET
MOUNTING DETAIL

REFLECTOR SPACING TABLE

REFLECTOR SPACING	MINIMUM NUMBER OF REFLECTORS
100' C-C	3

DELINEATOR BRACKET
WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAI[illegible] GINEER

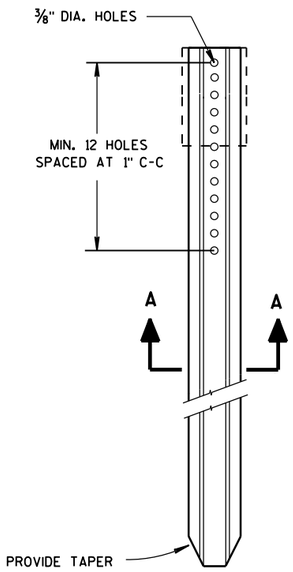
FHWA

6

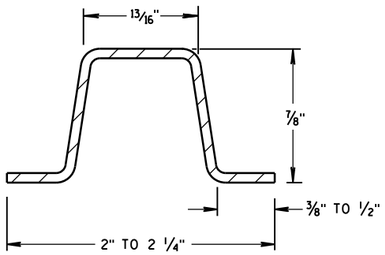
S.D.D. 15 A 4-3b

6

S.D.D. 15 A 4-3b

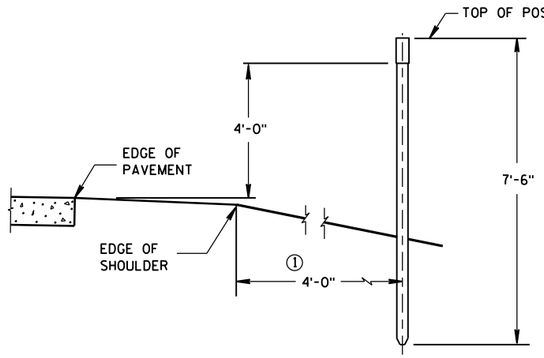


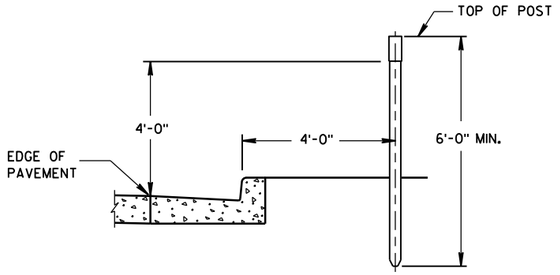
DELINEATOR POST



SECTION A-A

WEIGHT 1.12 LBS PER FT. ± 0.1 LB.





TYPICAL INSTALLATIONS OF DELINEATOR POSTS

GENERAL NOTES

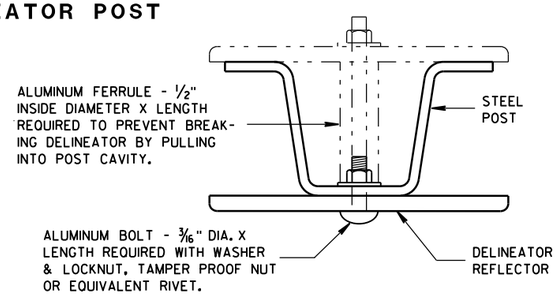
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.

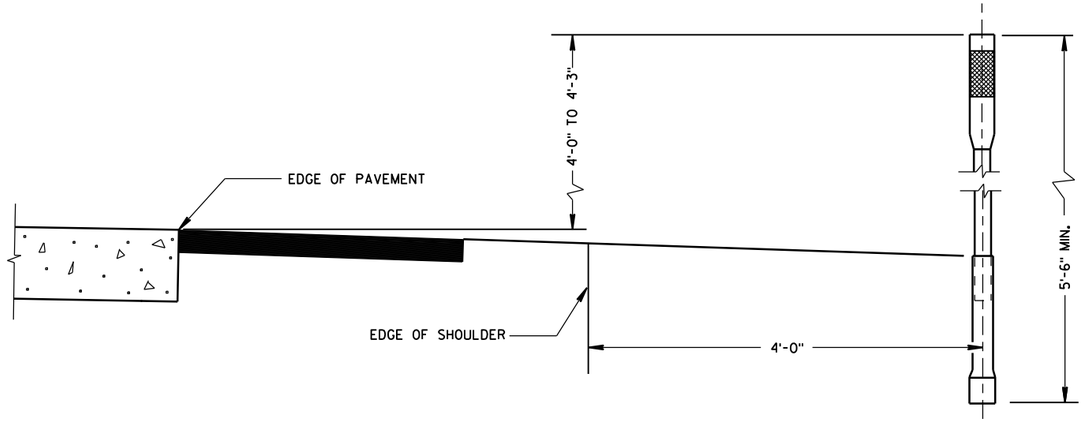
REFLECTOR SPACING TABLE

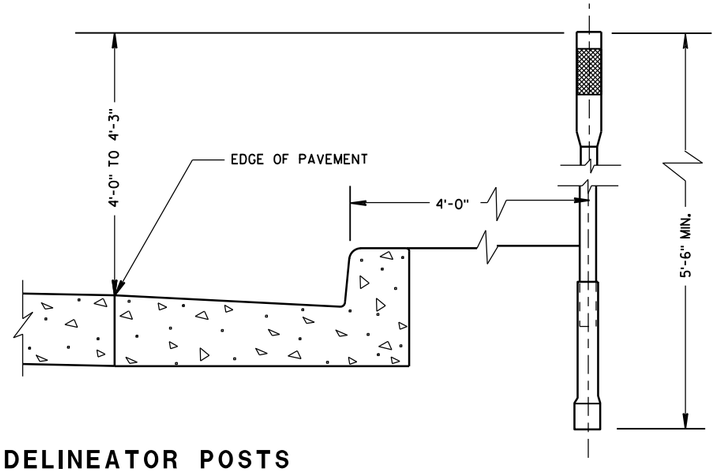
REFLECTOR SPACING	LOCATION
400'	MAINLINE
100'	RAMPS *

* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER.



MOUNTING DETAIL FOR DELINEATOR REFLECTOR





TYPICAL INSTALLATIONS OF FLEXIBLE DELINEATOR POSTS

DELINEATOR POST WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

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S.D.D. 15 A 4-3c

GENERAL NOTES

PANEL THICKNESS SHALL BE A MINIMUM OF 0.08 INCHES.

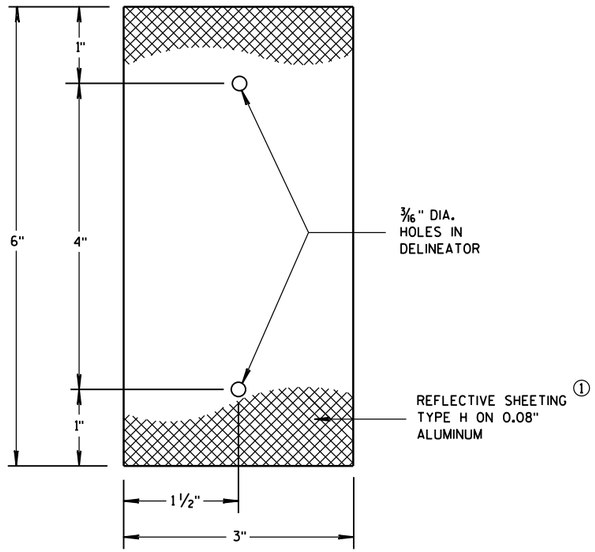
PLASTIC BASE MATERIAL SHALL BE WHITE, UV STABILIZED, FLAME TREATED TO THE MANUFACTURER SPECIFICATIONS AND BE ABLE TO WITHSTAND SUB FREEZING TEMPERATURES WITHOUT BREAKING.

① FURNISH TYPE H SHEETING FROM THE APPPROVED PRODUCTS LIST.

② FURNISH DELINEATOR REFLECTOR FOR GUARDRAIL FROM THE APPPROVED PRODUCTS LIST.

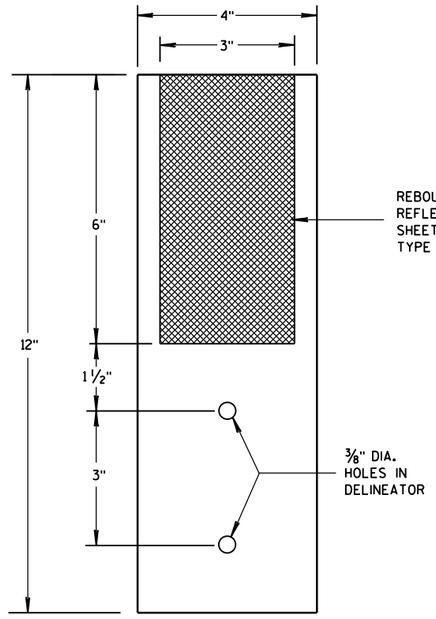
REFLECTOR SPACING TABLE

REFLECTOR SPACING	MINIMUM NUMBER OF REFLECTORS
100' C-C	3



3"x 6" DELINEATOR REFLECTOR

(FOR STEEL POSTS)



4"x 12" DELINEATOR REFLECTOR

(FOR GUARDRAIL) ②

DELINEATOR
WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible]INEER
FHWA

6

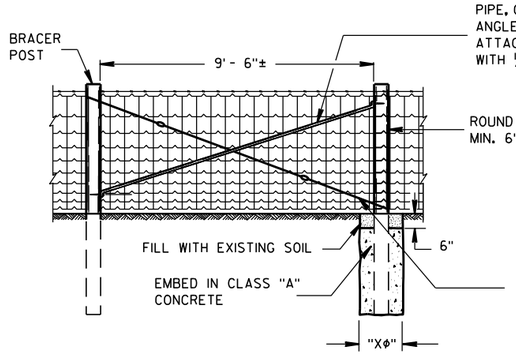
S.D.D. 15 A 4-3d

6

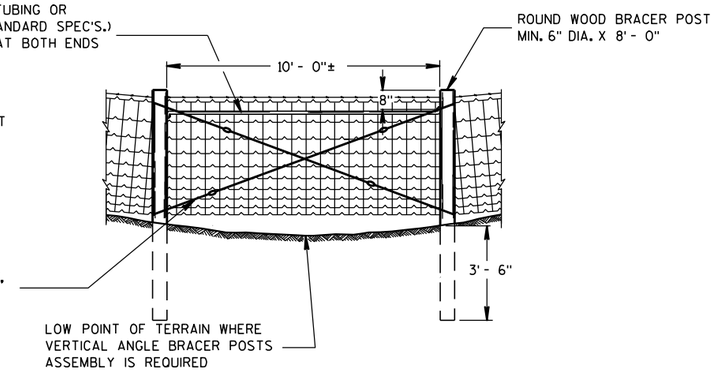
S.D.D. 15 A 4-3d

NOTE: PULL OR STRETCHER POST ASSEMBLIES SHALL BE PLACED MIDWAY BETWEEN END POSTS AND CORNER POSTS WHERE A RUN OF FENCE EXCEEDS 660' BUT IS LESS THAN 1,320'. FOR RUNS OF FENCE IN EXCESS OF 1,320' MAXIMUM SPACING OF PULL OR STRETCHER POST ASSEMBLIES SHALL BE 660'± C-C.

ILLUSTRATION SHOWS POSITION OF STANDARD STEEL BRACE, DOUBLE STRAND GALVANIZED WIRE, AND THE POST TO BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM LEFT TO RIGHT. THE BRACES SHALL BE POSITIONED ON THE OPPOSITE DIAGONALS AND THE OPPOSITE POST SHALL BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM RIGHT TO LEFT.



PULL OR STRETCHER POSTS ASSEMBLY



VERTICAL ANGLE BRACER POSTS ASSEMBLY

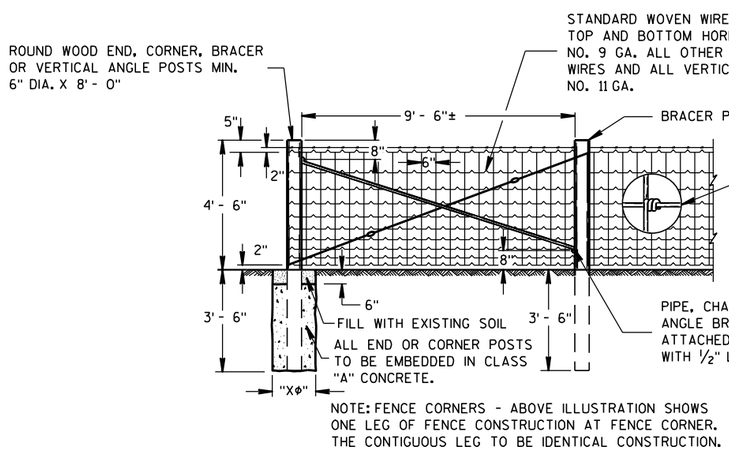
GENERAL NOTES

"XΦ" = DIAMETER OF THE POST PLUS 12".

FENCE STAPLES SHOULD NEVER BE DRIVEN VERTICALLY INTO WOOD POSTS (WITH BOTH LEGS PARALLEL WITH THE WOOD GRAIN). DOING SO CAN SEPARATE THE GRAIN AND SIGNIFICANTLY REDUCE THE HOLDING POWER. ROTATING THE STAPLES SLIGHTLY OFF VERTICAL STRADDLES THE GRAIN AND PROVIDES MORE RESISTANCE TO PULL-OUT.

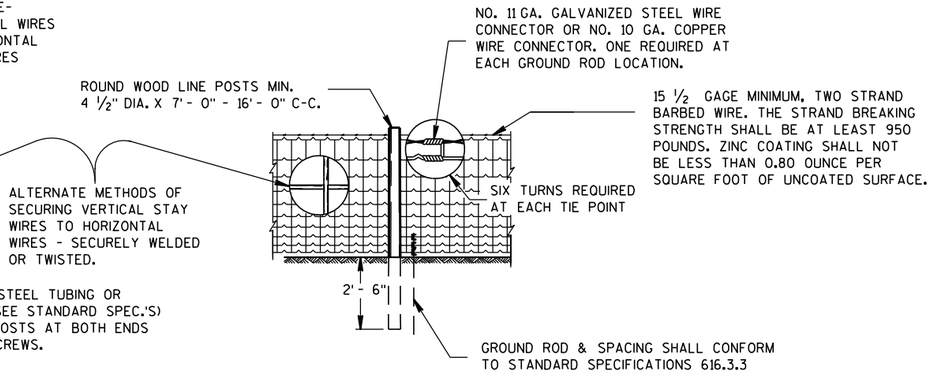
DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED AFTER FORMING. STAPLES SHALL HAVE SLASH-CUT POINTS.

FENCE SHALL BE LOCATED 3'-0" INSIDE THE RIGHT OF WAY LINE UNLESS OTHERWISE INDICATED ON THE PLANS.



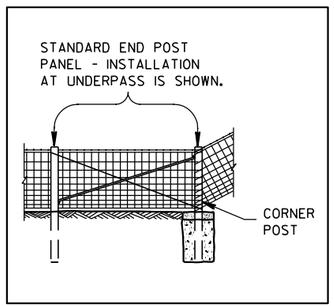
NOTE: FENCE CORNERS - ABOVE ILLUSTRATION SHOWS ONE LEG OF FENCE CONSTRUCTION AT FENCE CORNER. THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.

END OR CORNER POSTS ASSEMBLY

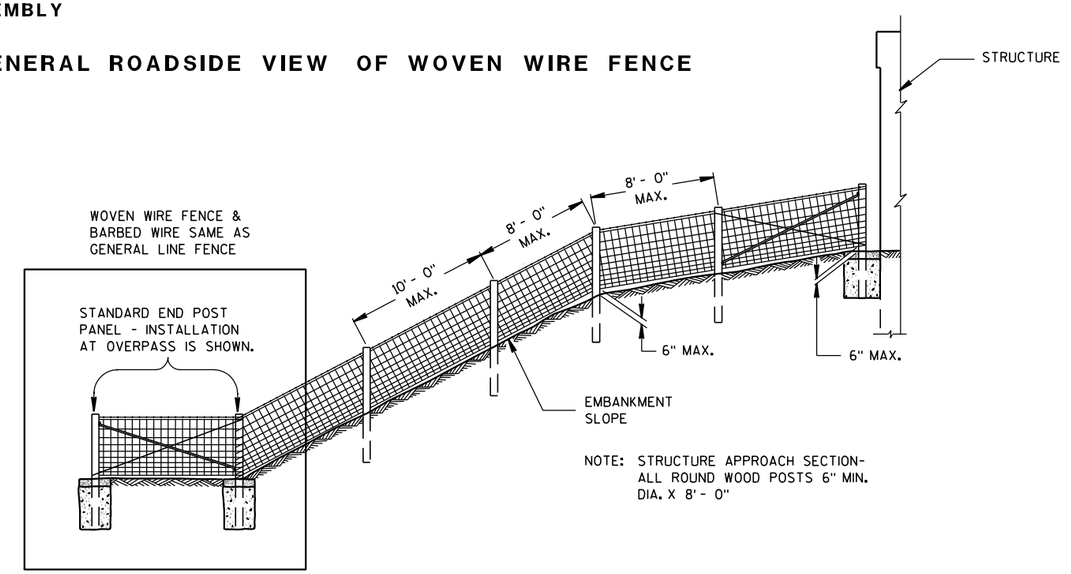


LINE FENCE CONSTRUCTION

GENERAL ROADSIDE VIEW OF WOVEN WIRE FENCE



ALTERNATE FENCE DESIGN AT STRUCTURE



NOTE: STRUCTURE APPROACH SECTION- ALL ROUND WOOD POSTS 6" MIN. DIA. X 8' - 0"

FENCE DESIGN AT STRUCTURE APPROACH

FENCE WOVEN WIRE

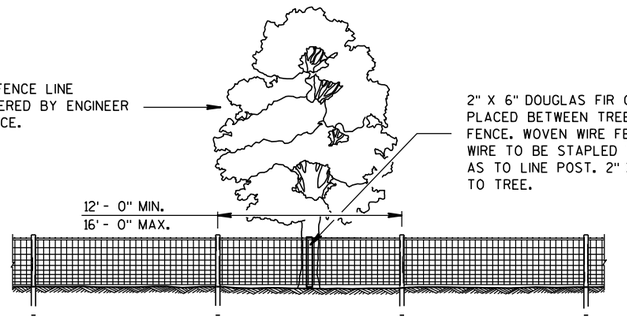
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

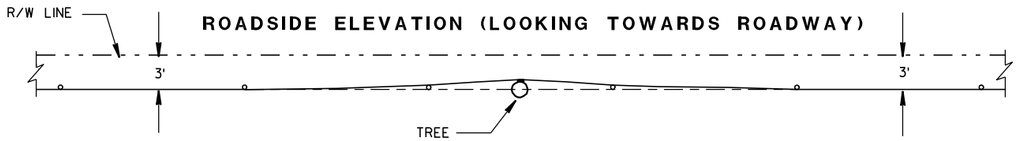
S.D.D. 15 B 1-8a

NOTE: TREE IN NORMAL FENCE LINE SPECIFICALLY ORDERED BY ENGINEER TO REMAIN IN PLACE.

2" X 6" DOUGLAS FIR OR SO. YELLOW PINE PLACED BETWEEN TREE AND WOVEN WIRE FENCE. WOVEN WIRE FENCE AND BARBED WIRE TO BE STAPLED TO 2" X 6" LIKE AS TO LINE POST. 2" X 6" NOT FASTENED TO TREE.

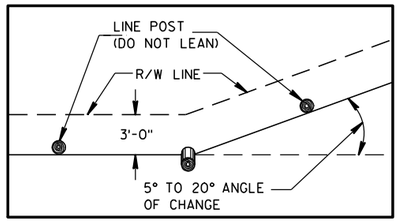


ROADSIDE ELEVATION (LOOKING TOWARDS ROADWAY)

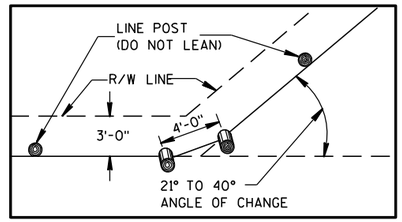


PLAN VIEW

FENCE DESIGN AT TREES REMAINING IN NORMAL FENCE LINE



PLAN VIEW
SINGLE POST CORNER

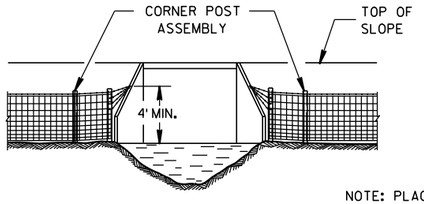


PLAN VIEW
DOUBLE POST CORNER

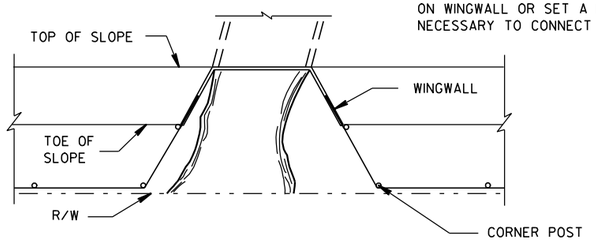
RIGHT OF WAY LINE CHANGE 40° AND LESS

NOTE: SINGLE AND DOUBLE POSTS SHALL BE A MIN. 6" DIA. X 8'-0" WITH A LEAN OF 4" TOWARD THE OUTSIDE OF THE CURVE.

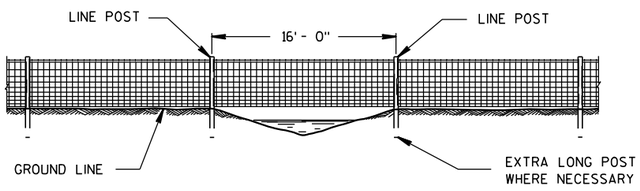
WHEN THE RIGHT OF WAY LINE CHANGE IS MORE THAN 40° USE THE CORNER OR STRETCHER POSTS ASSEMBLY.



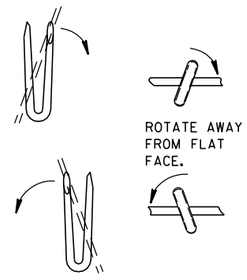
NOTE: PLACE A MINIMUM OF 4 STRANDS OF BARBED WIRE, 6" MAXIMUM CENTERS IN FAN SHAPE CONNECTED TO AN EYE BOLT ON WINGWALL OR SET A LONE POST WHEN NECESSARY TO CONNECT BARBED WIRE.



FENCE INSTALLATION TO WINGWALLS

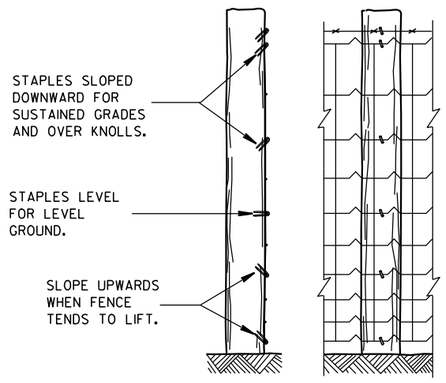


FENCE CONSTRUCTION OVER STREAM COURSES OF 15 FT. OR LESS IN WIDTH



LINE POST

NOTE: WHEN POSTS ARE DRIVEN THE SMALL END SHALL BE DOWN.

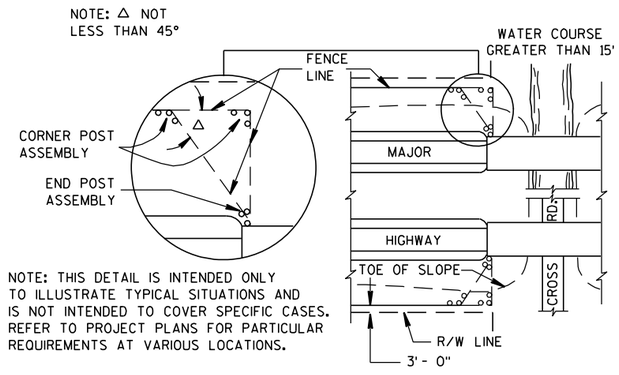


END ELEVATION

FARM SIDE ELEVATION

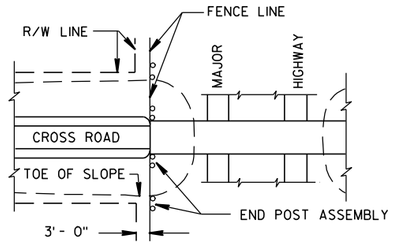
FENCE MOUNTING DETAIL

NOTE: △ NOT LESS THAN 45°



NOTE: THIS DETAIL IS INTENDED ONLY TO ILLUSTRATE TYPICAL SITUATIONS AND IS NOT INTENDED TO COVER SPECIFIC CASES. REFER TO PROJECT PLANS FOR PARTICULAR REQUIREMENTS AT VARIOUS LOCATIONS.

PLAN VIEW
MAJOR HIGHWAY OVERPASS OR STREAM COURSE CROSSING OF GREATER THAN 15 FT. IN WIDTH



PLAN VIEW
MAJOR HIGHWAY UNDERPASS

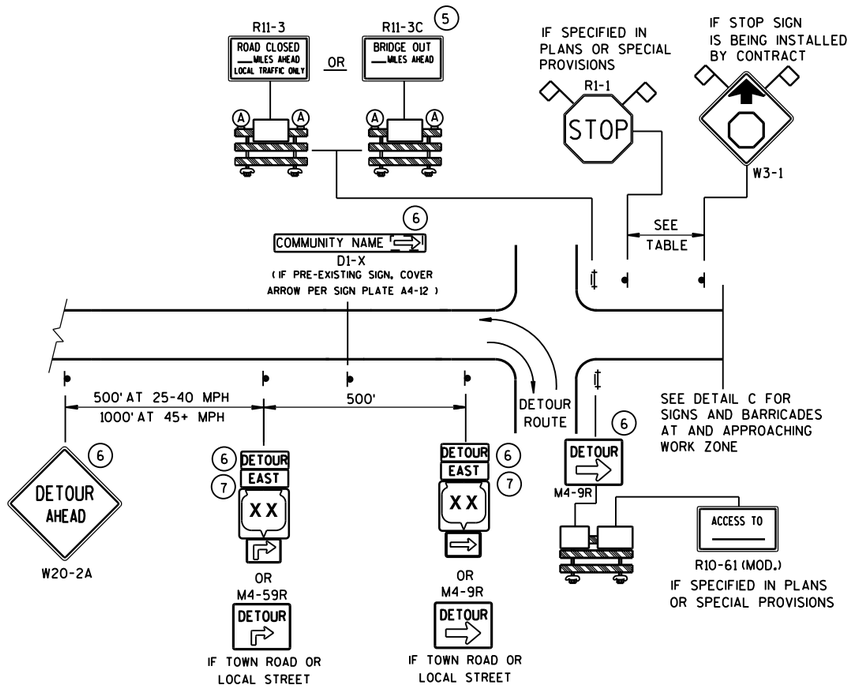
FENCE LOCATION AT STRUCTURES

FENCE WOVEN WIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

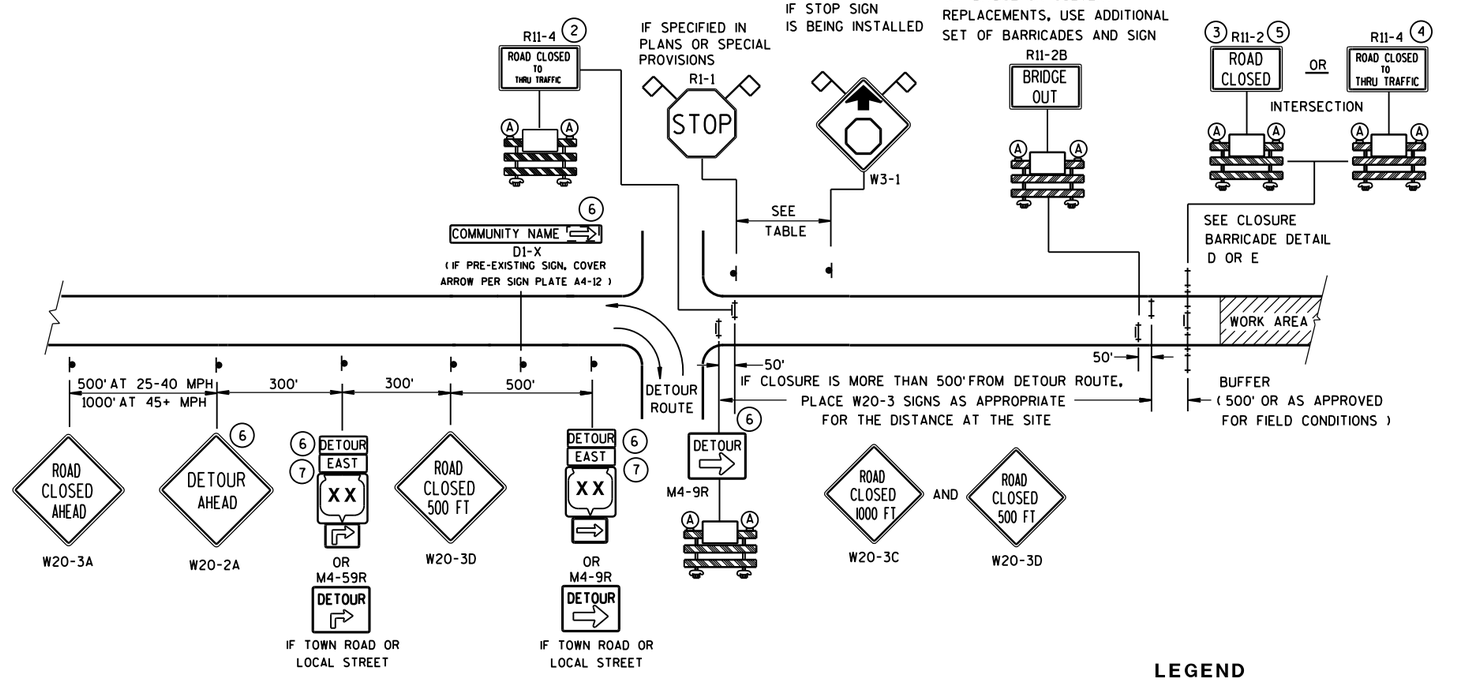
APPROVED
4/4/2008
DATE
/S/ Jerry H. Z---
ROADWAY STANDARDS [271
ENGINEER
FHWA

6
S.D.D. 15 B 1-8b



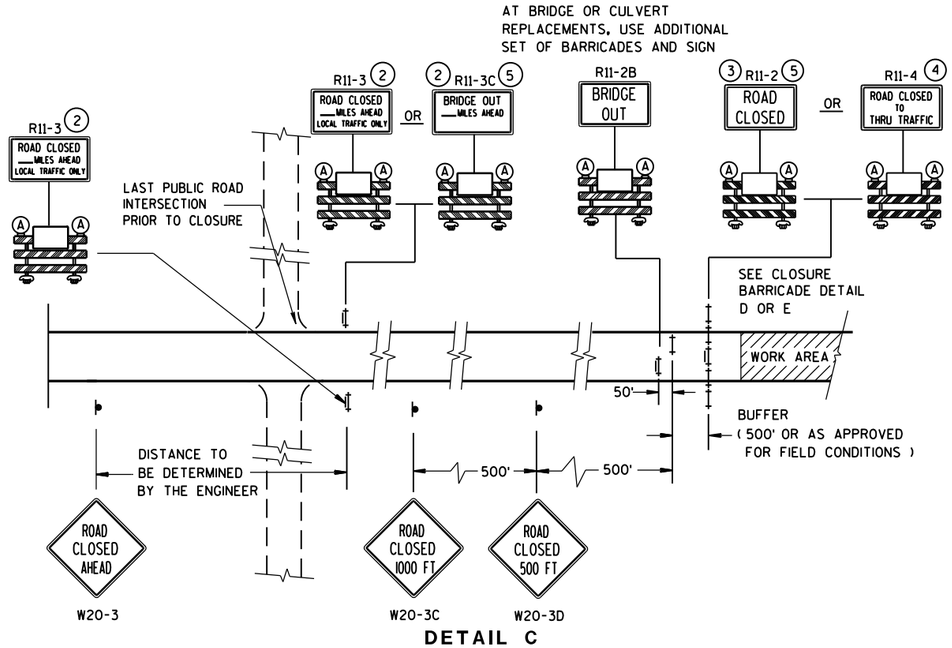
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "**b**"
FOR GENERAL NOTES
AND FOOTNOTES (1) THROUGH (7)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

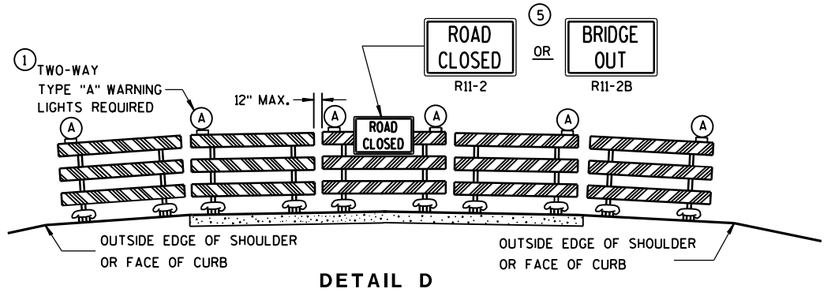
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 C 2-6a

6

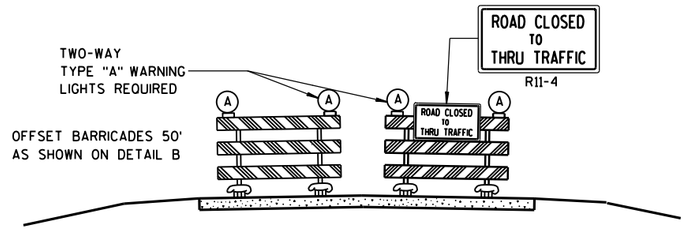
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO SAFETY ENGI
FHWA

6

S.D.D. 15 C 2-6b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

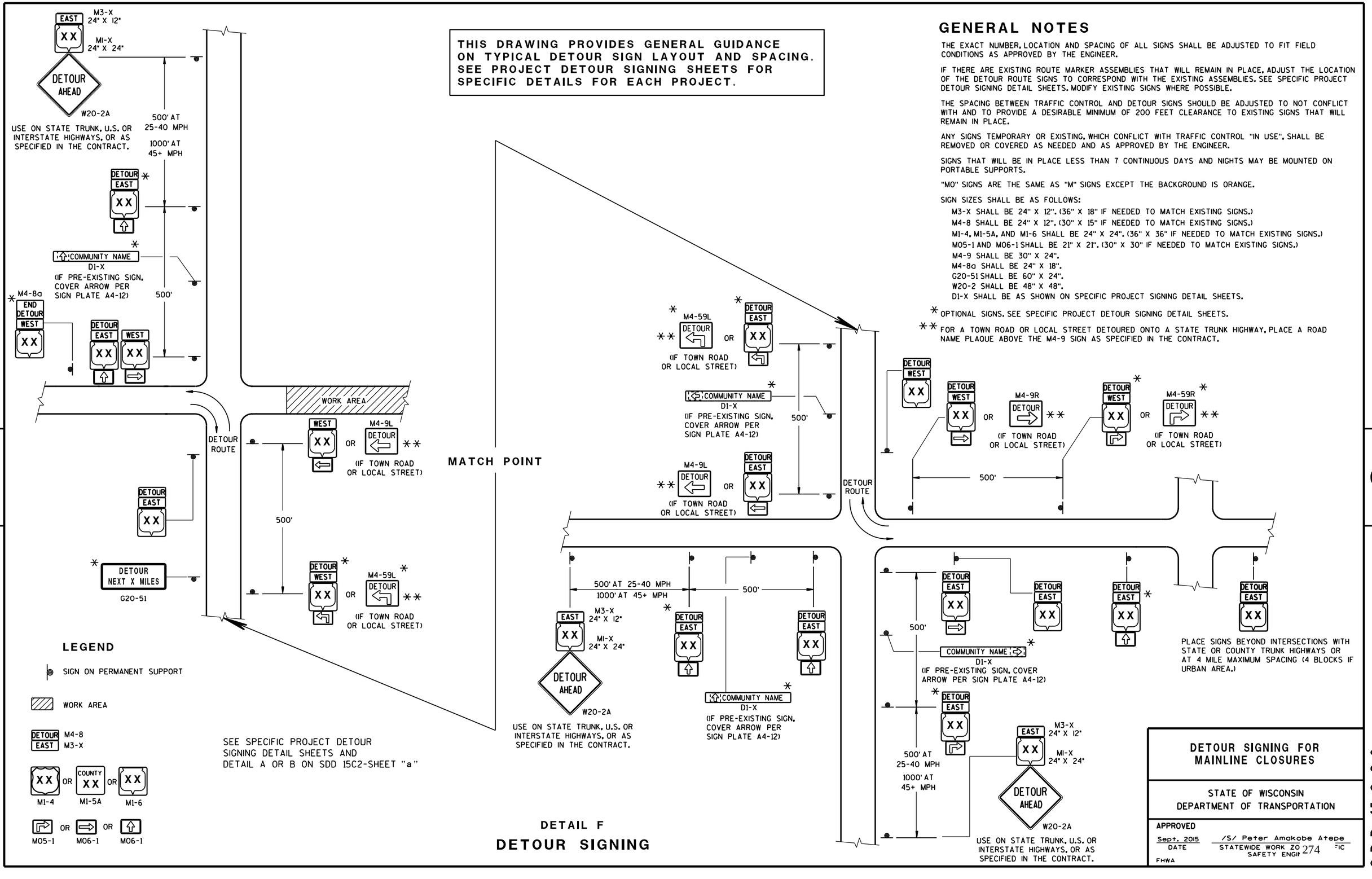
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

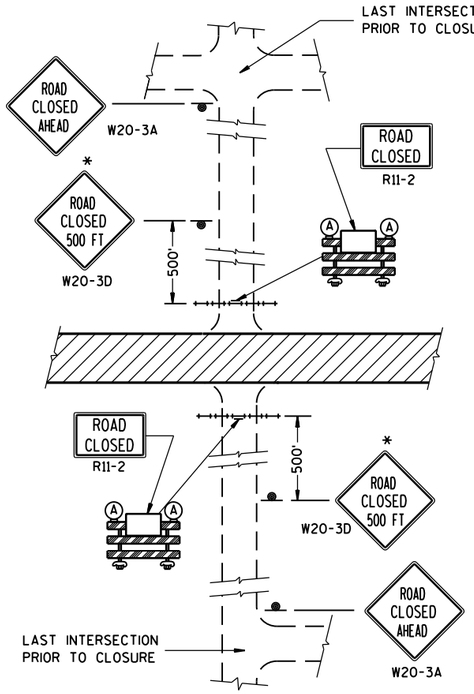
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE SAFETY ENGINEER

FHWA

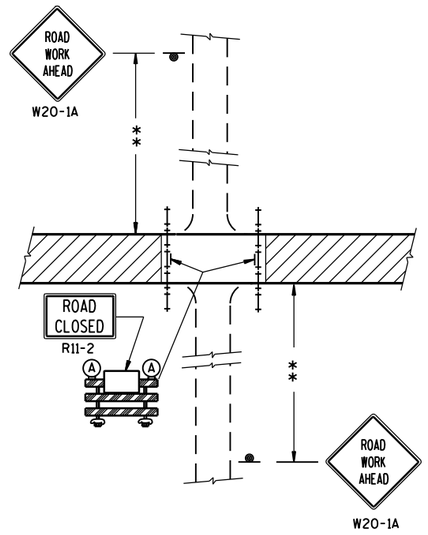
6

S.D.D. 15 C 2-6c



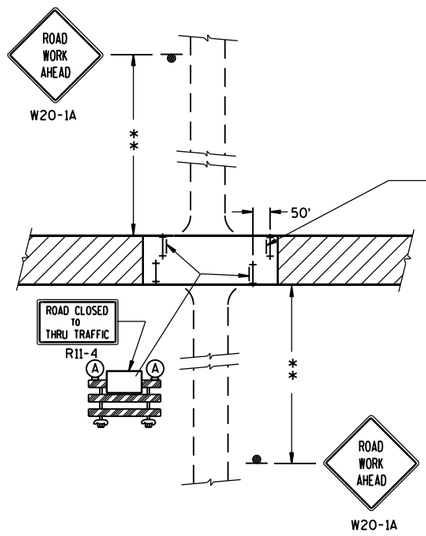
DETAIL 1

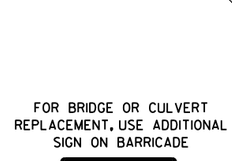
(NO ACCESS TO PROJECT)



DETAIL 2

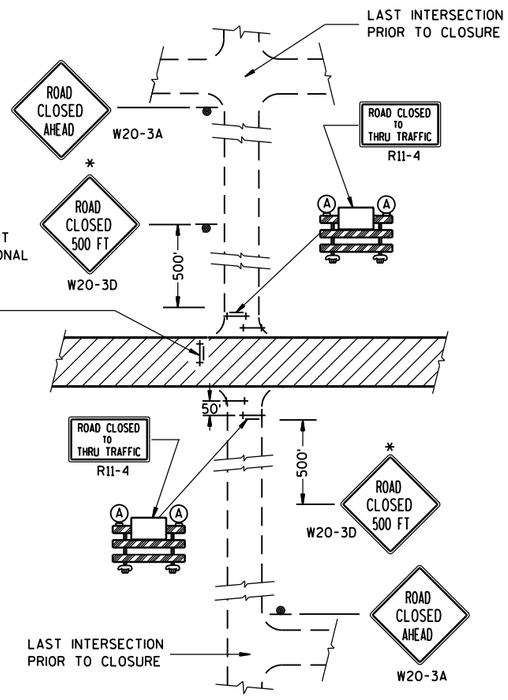
(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).





DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

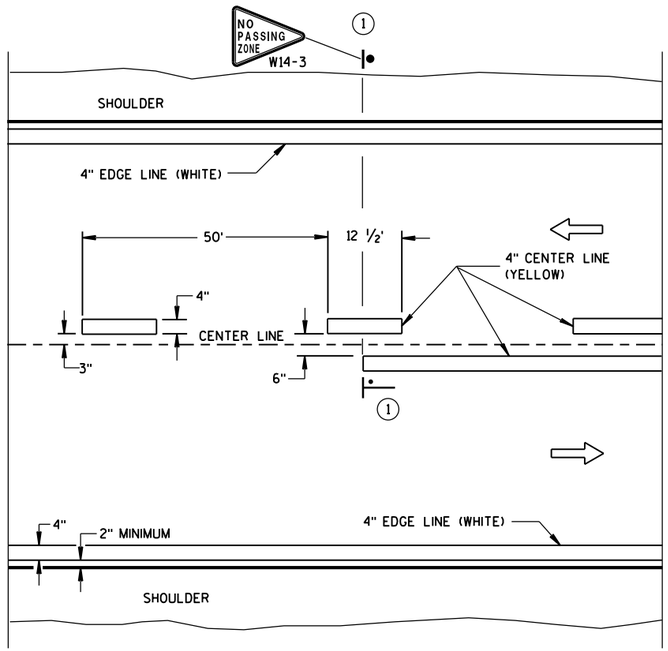
APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible]FIC SAFETY ENGI[illegible]
FHWA

6

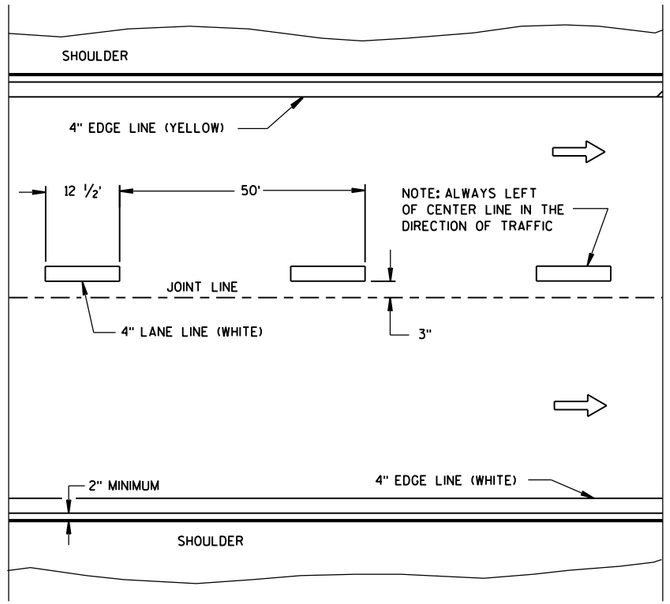
S.D.D. 15 C 3-3

6

S.D.D. 15 C 3-3



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

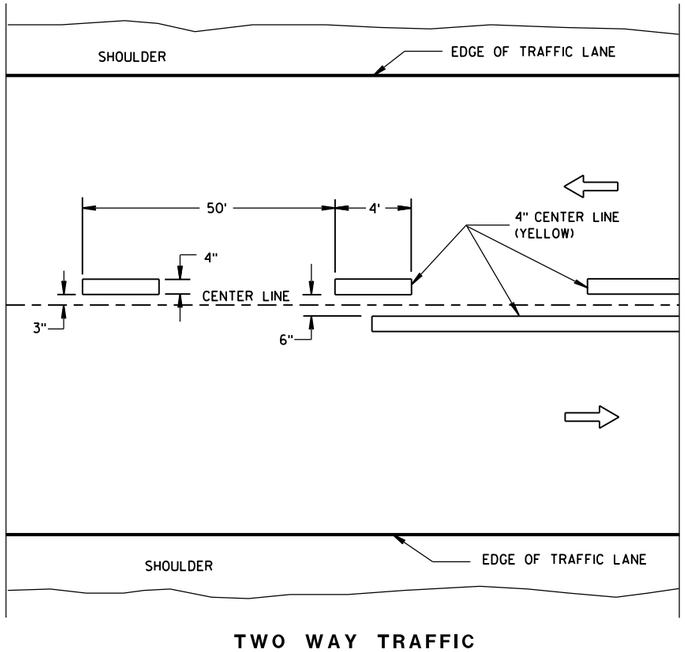
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

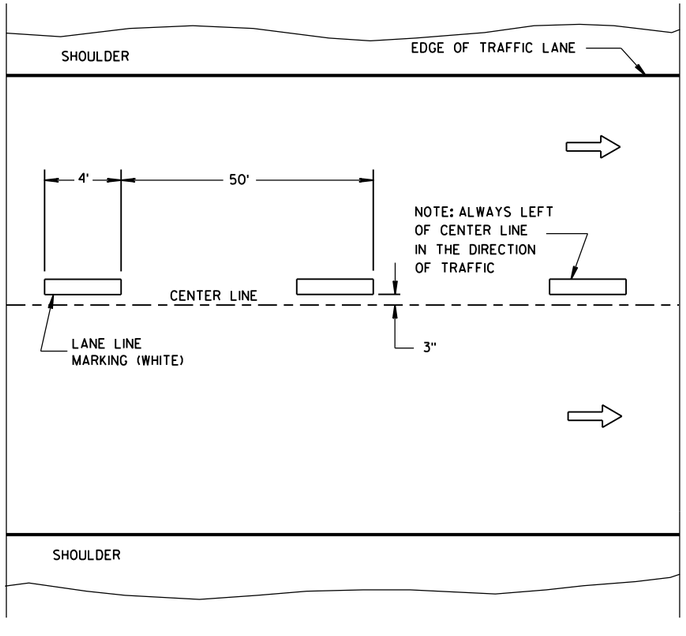
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



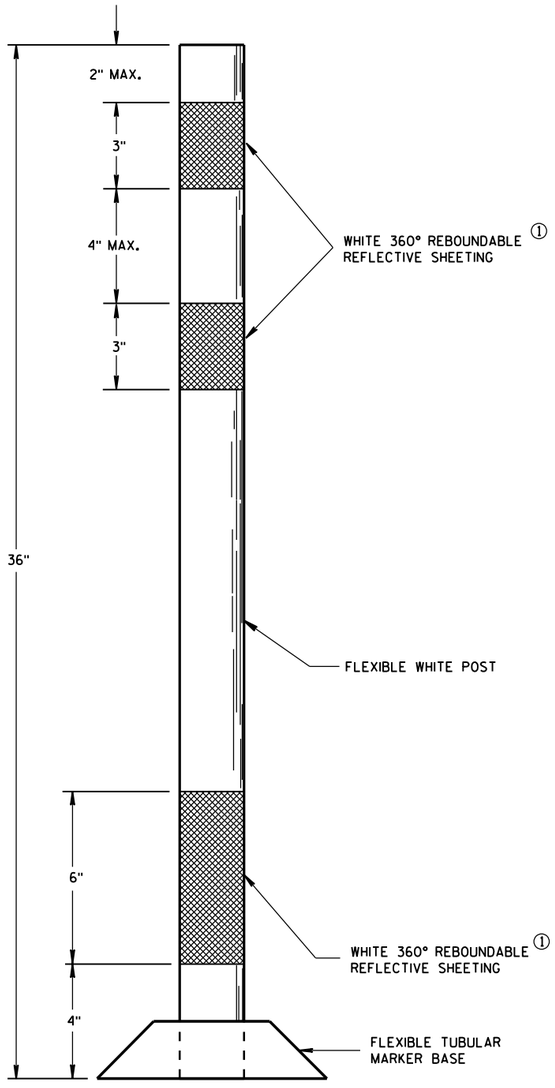
ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

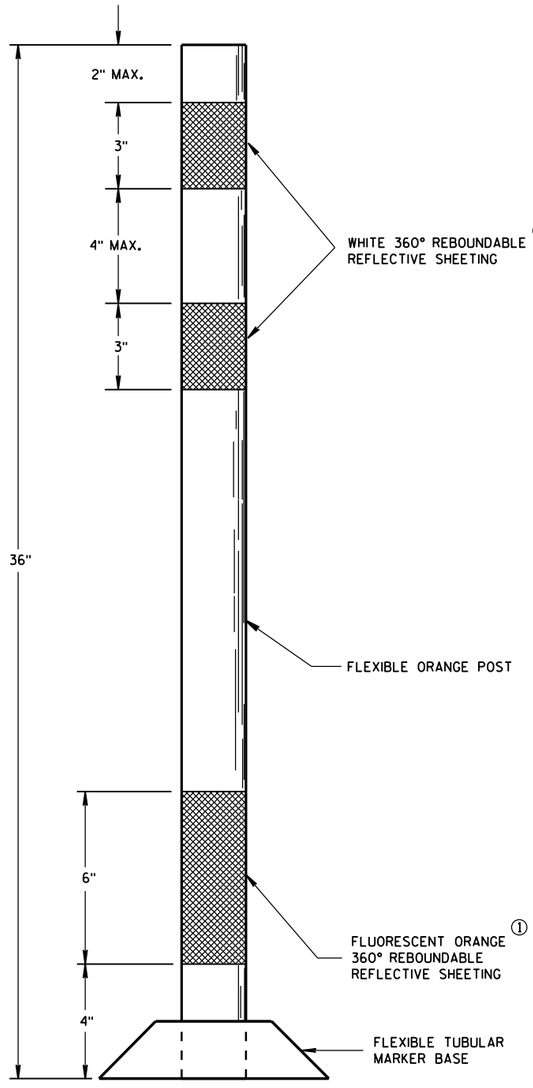
LONGITUDINAL MARKING (MAINLINE)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Matthew R. Rauch STATE SIGNING AND MAR[illegible]INEER
FHWA	

6

S.D.D. 15 C 8-18a



FLEXIBLE
TUBULAR MARKER POST
PERMANENT CROSSOVER



FLEXIBLE
TUBULAR MARKER POST
WORK ZONE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

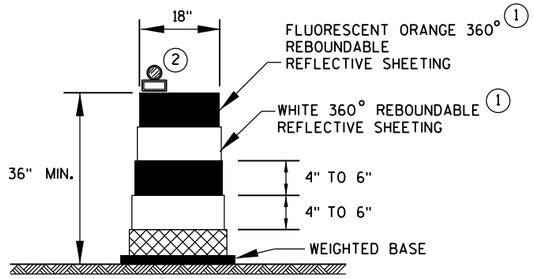
CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

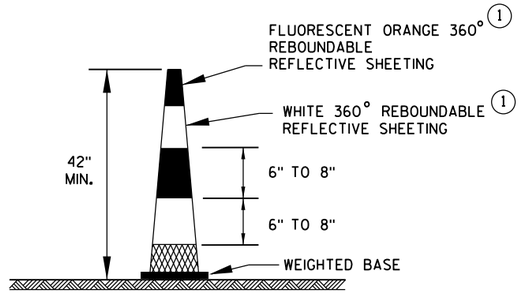
APPROVED
June 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENGR
FHWA

6

S.D.D. 15 C 11-7a



DRUM

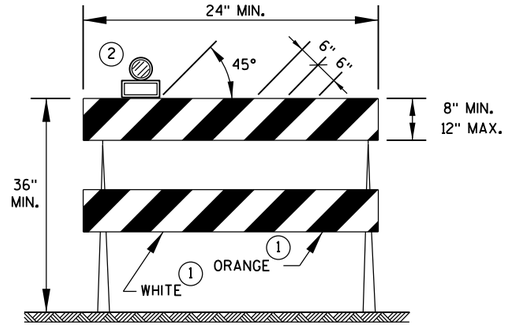


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

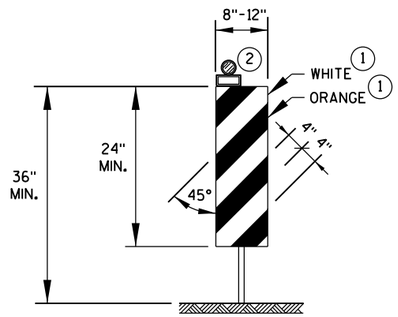
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



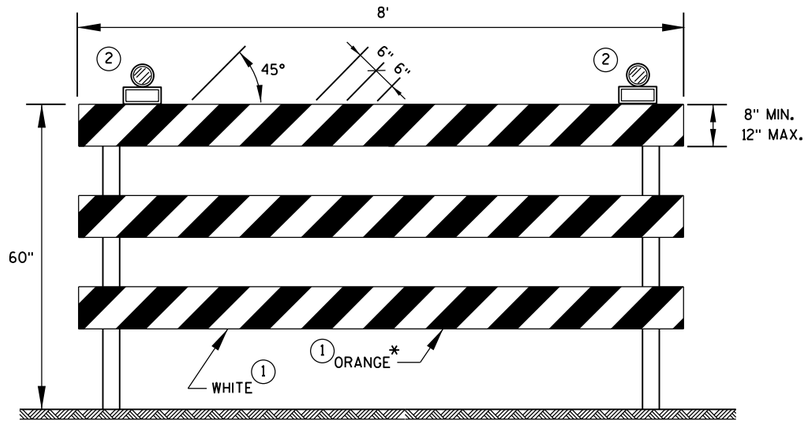
TYPE 2 BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 3 BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

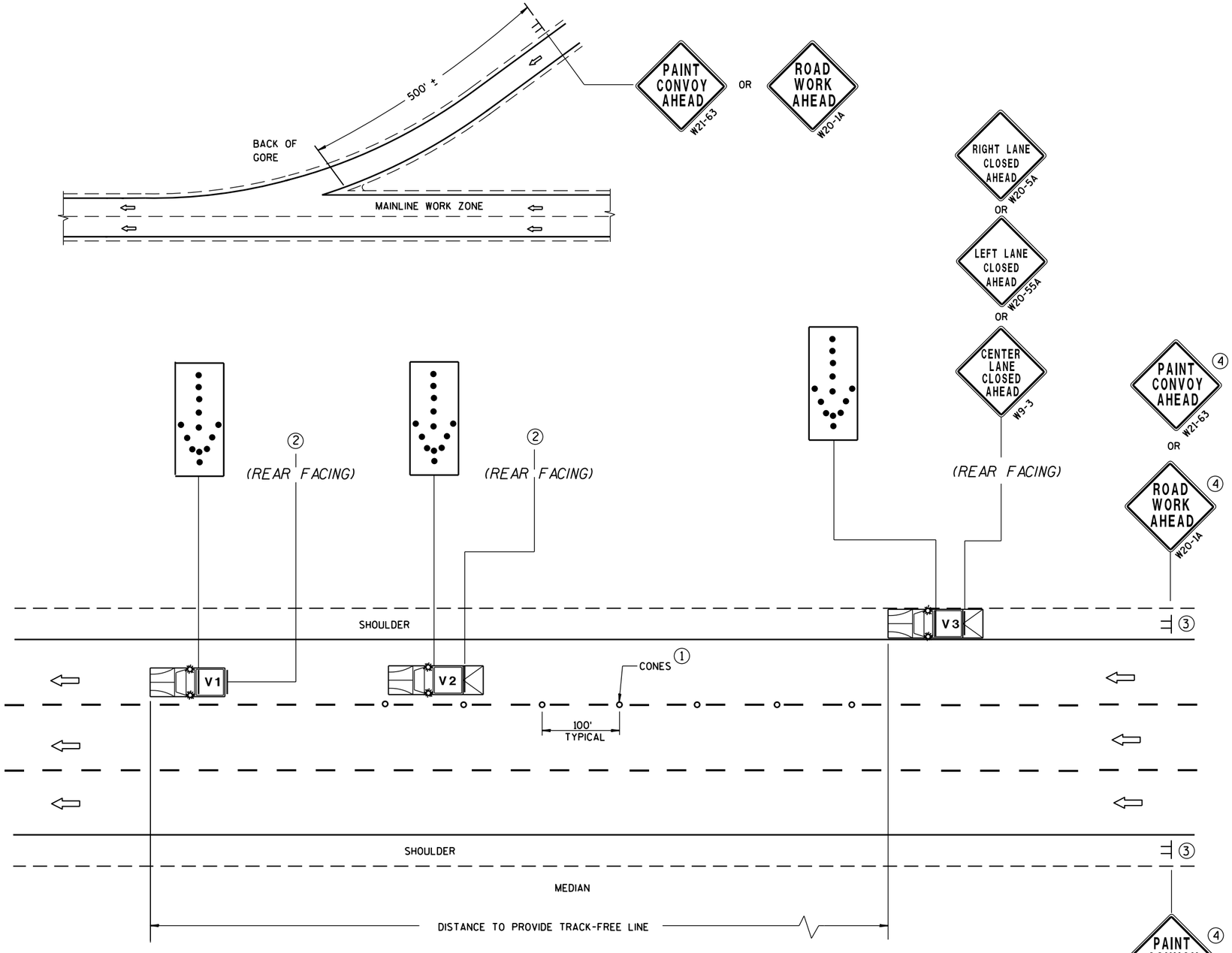
June 2017 — DATE

/S/ Andrew Heidtke — WORK ZONE ENG

FHWA

6

S.D.D. 15 C 11-7b



MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE DIVIDED ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

FOR EDGELINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH. USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

THIS DRAWING SHALL BE USED FOR EDGELINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

(2) USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

(3) SIGNS SHALL BE REPEATED AFTER EVERY ON RAMP OR EVERY THREE MILES.

(4) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

V1	LEAD VEHICLE
V2	SHADOW VEHICLE
V3	TRAIL VEHICLE WITH TMA
TMA	TRUCK-MOUNTED ATTENUATOR
	SIGN ON TEMPORARY SUPPORT
	DIRECTION OF TRAFFIC
	CONES
	FLASHING ARROW PANEL (MERGE)

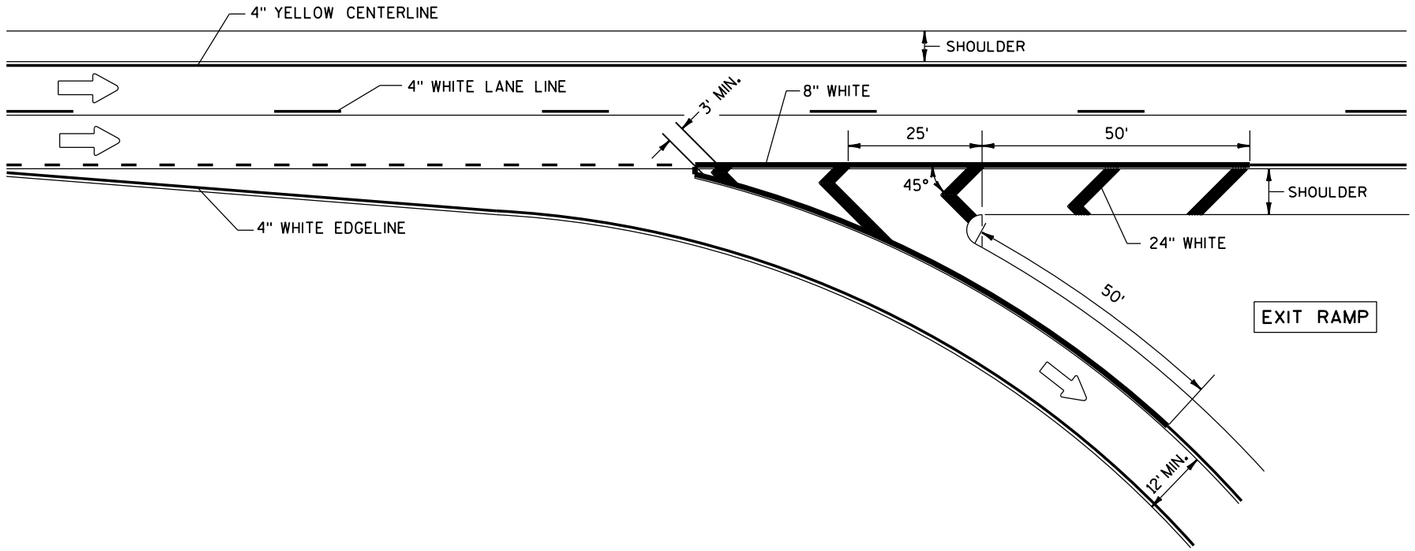
MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZON SAFETY ENGINI
FHWA

6 S.D.D. 15 C 19-4c

6 S.D.D. 15 C 19-4c



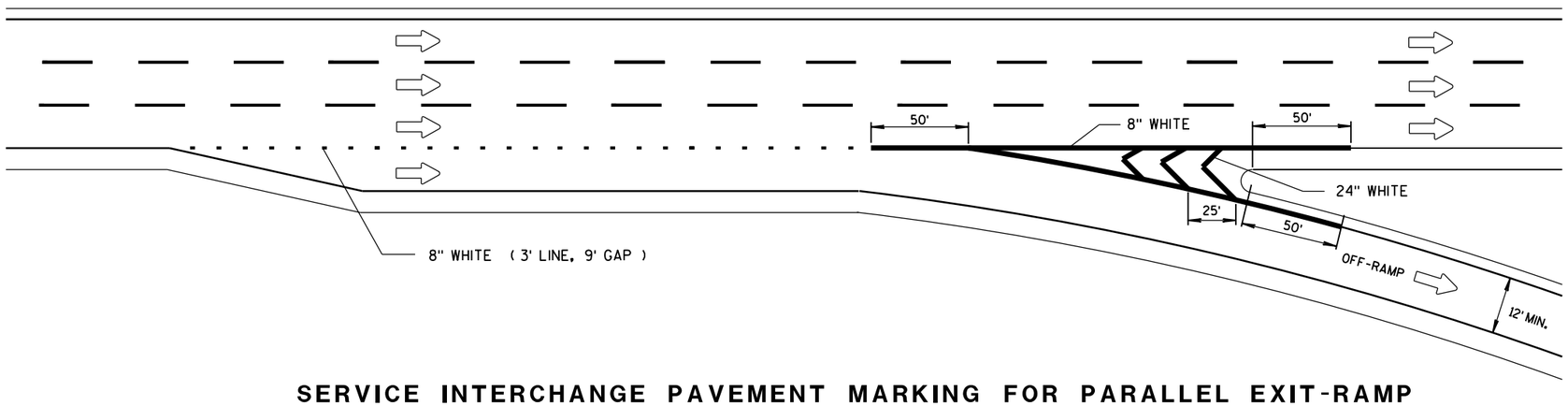
PAVEMENT MARKING FOR EXIT RAMP

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

DIRECTION OF TRAVEL



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

6

S.D.D. 15 C 31-2a

PAVEMENT MARKING
(RAMPS AND GORES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 C 31-2a

LEGEND

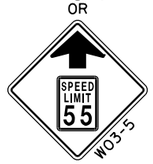
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING
- CONCRETE BARRIER TEMPORARY PRECAST
- DIRECTION OF TRAFFIC
- WORK AREA

L, TAPER LENGTH (MPH)							
SPEED (MPH)	W, LATERAL OFFSET (FT)						
	10	11	12	13	14	15	16
45	450	495	540	585	630	675	720
50	500	550	600	650	700	750	800
55	550	605	660	715	770	825	880
60	600	660	720	780	840	900	960
65	650	715	780	845	910	975	1040
70	700	770	840	910	980	1050	1120

W057-52
48"x36"

INSTALL ON EACH APPROACH AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY, OR AS DIRECTED BY THE ENGINEER. WIDTH ON SIGN TO BE APPROX. 1 FOOT LESS THAN AVAILABLE WIDTH (OMIT IF AVAILABLE WIDTH IS MORE THAN 16 FEET).

OR



LOCATED 2600 FEET IN ADVANCE OF R2-1 SIGN AND 500 FEET BEYOND THE "ROAD WORK 1 MILE" SIGN.

OR

R2-1
48"x60"
(BLACK AND WHITE)

LOCATED 500 FEET BEYOND W20-5G SIGN.

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES.

* INCLUDE RESUME SPEED LIMIT SIGN A MINIMUM OF 200 FEET (500 FEET DESIRABLE) AFTER END ROAD WORK SIGNS.

GENERAL NOTES

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

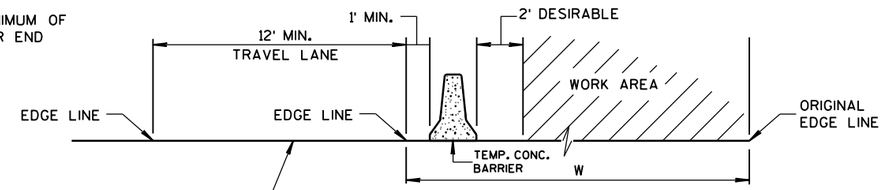
(1) CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUM TAPER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

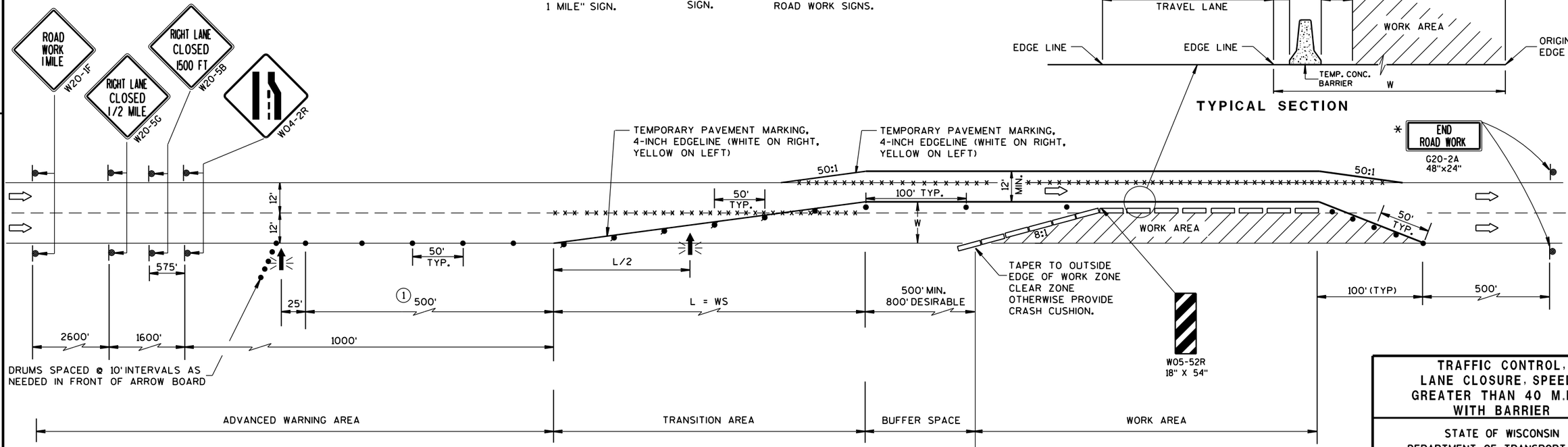
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.



TYPICAL SECTION



TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

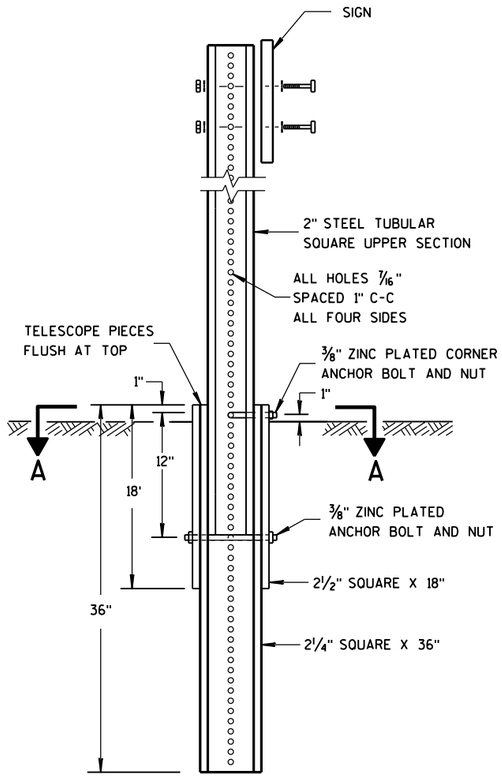
APPROVED
Sept., 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZOI SAFETY ENGIN
FHWA

6

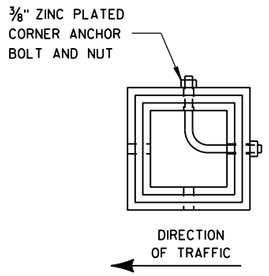
S.D.D. 15 D 3-4

6

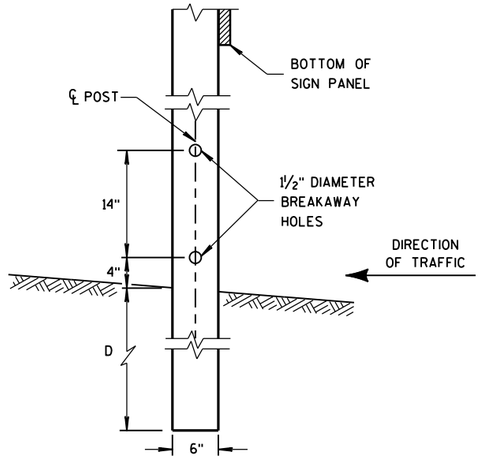
S.D.D. 15 D 3-4



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



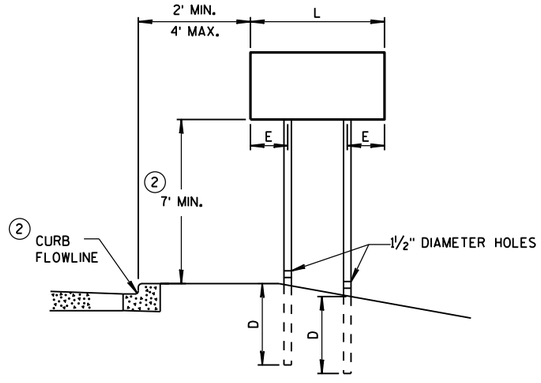
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

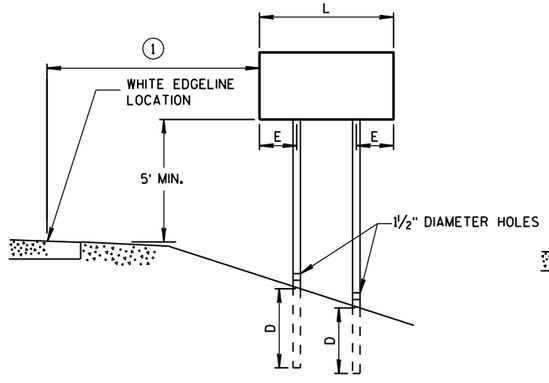
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

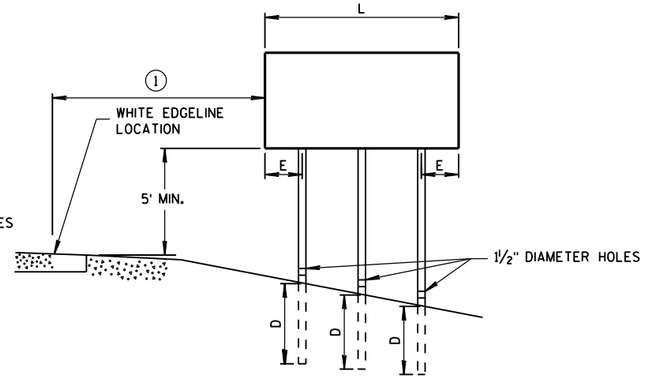
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

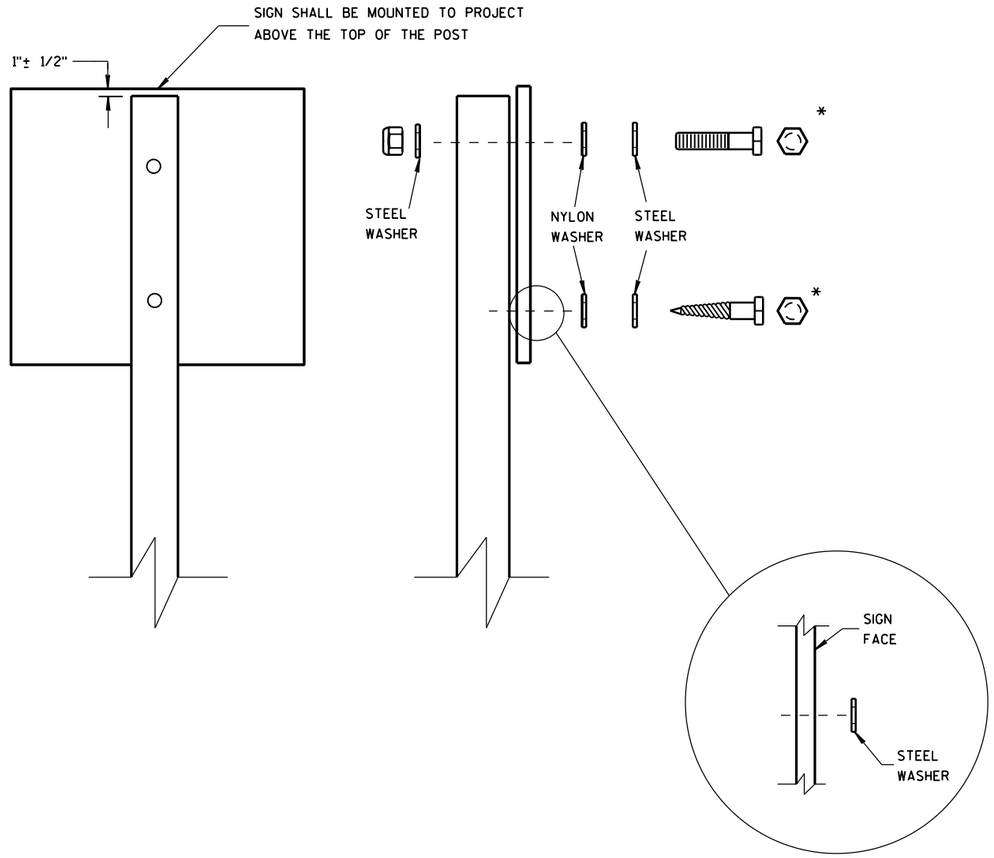
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

STATE OF WISCONSIN DEPARTMENT OF TRANSPOR

6

S.D.D. 15 D 38-1a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3

B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

S.D.D. 15 D 38-1b

S.D.D. 15 D 38-1b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

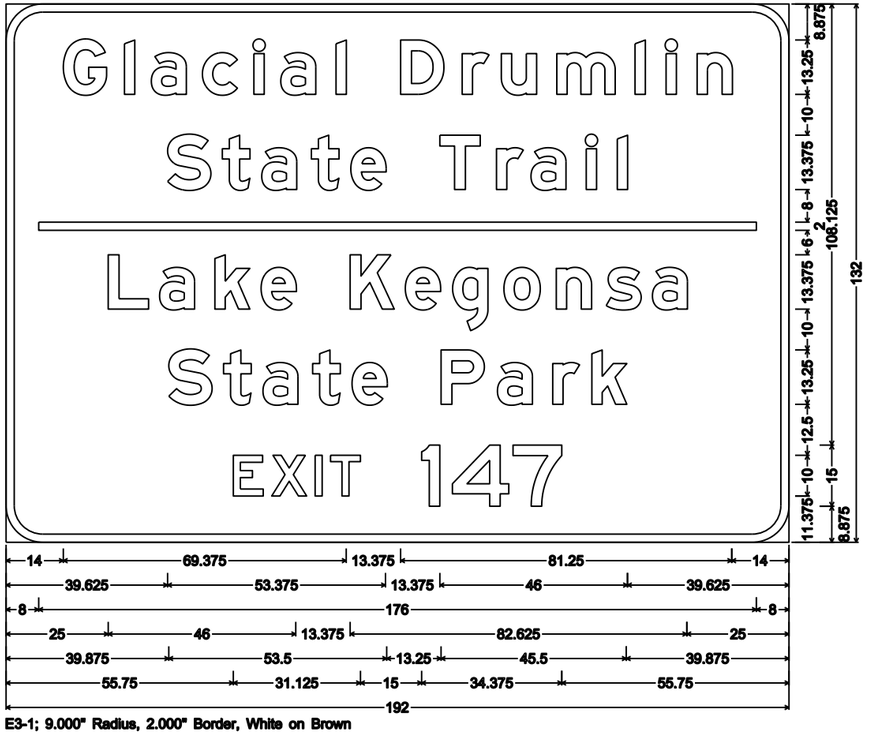
APPROVED

Feb. 2015
DATE

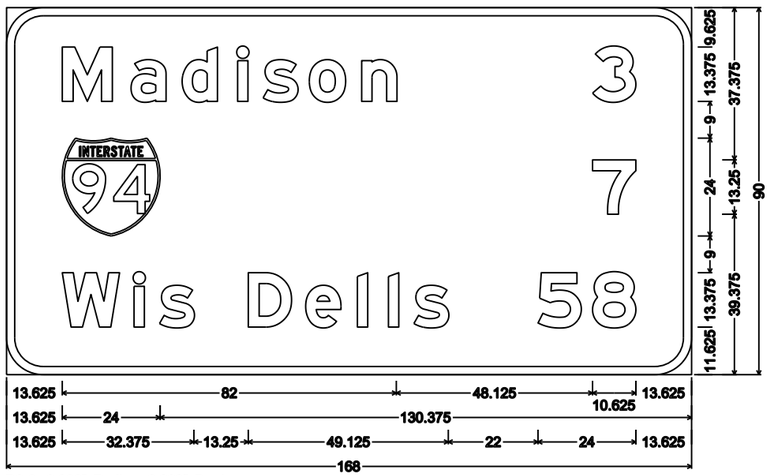
/S/ Travis Feltes
STATE TRAFFIC ENGINEER

FHWA

SIGN



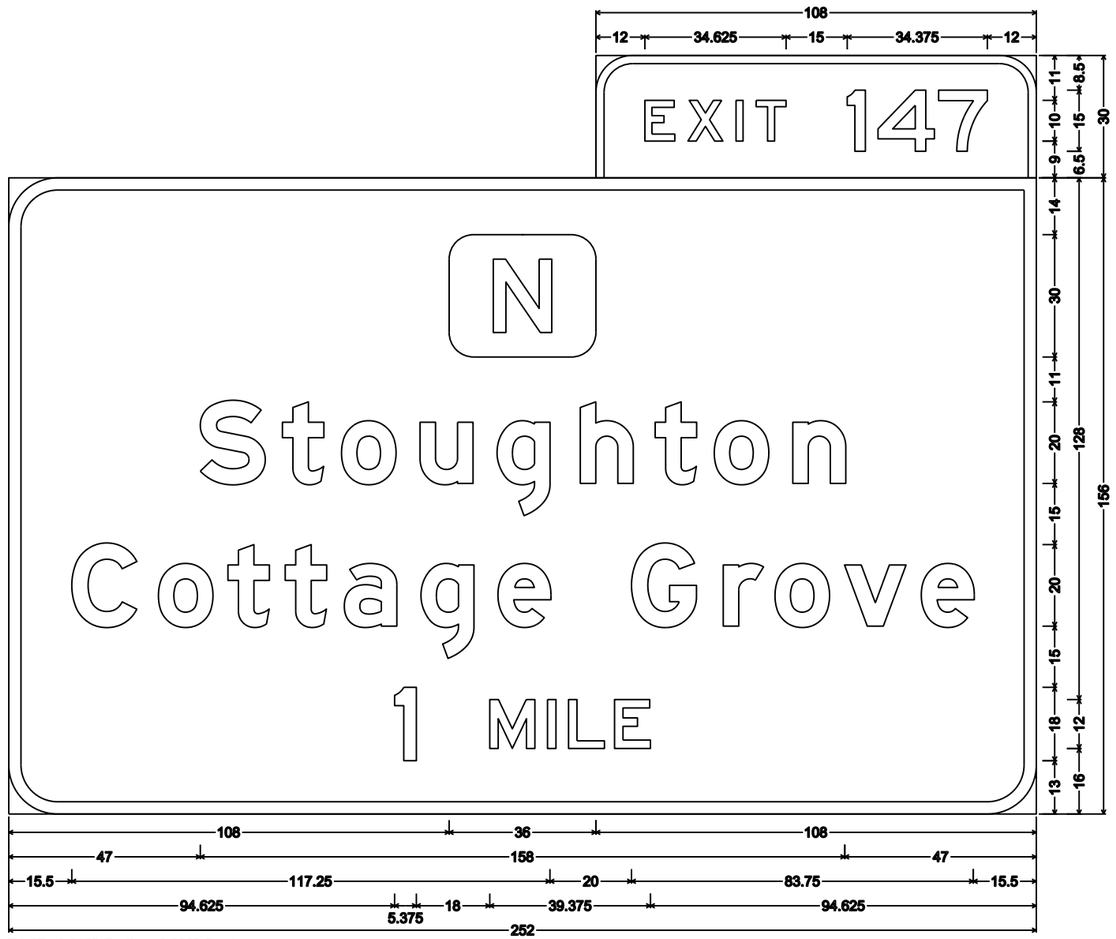
E3-1; 9.000" Radius, 2.000" Border, White on Brown



D2-3; 9.000" Radius, 2.000" Border

NOTES

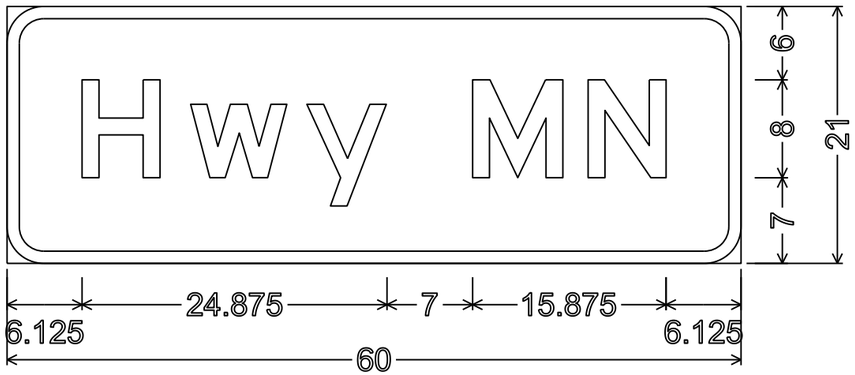
1. Signs are Type I - Type SH Reflective
2. Color:
   Background - Green except as noted
   Message - White
3. Message Series - E Modified except all CAP words Series E



E1-5P; 9.000" Radius, 2.000" Border,
E1-1A; 12.000" Radius, 3.000" Border

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E



M1-94;
3.000" Radius, 1.000" Border

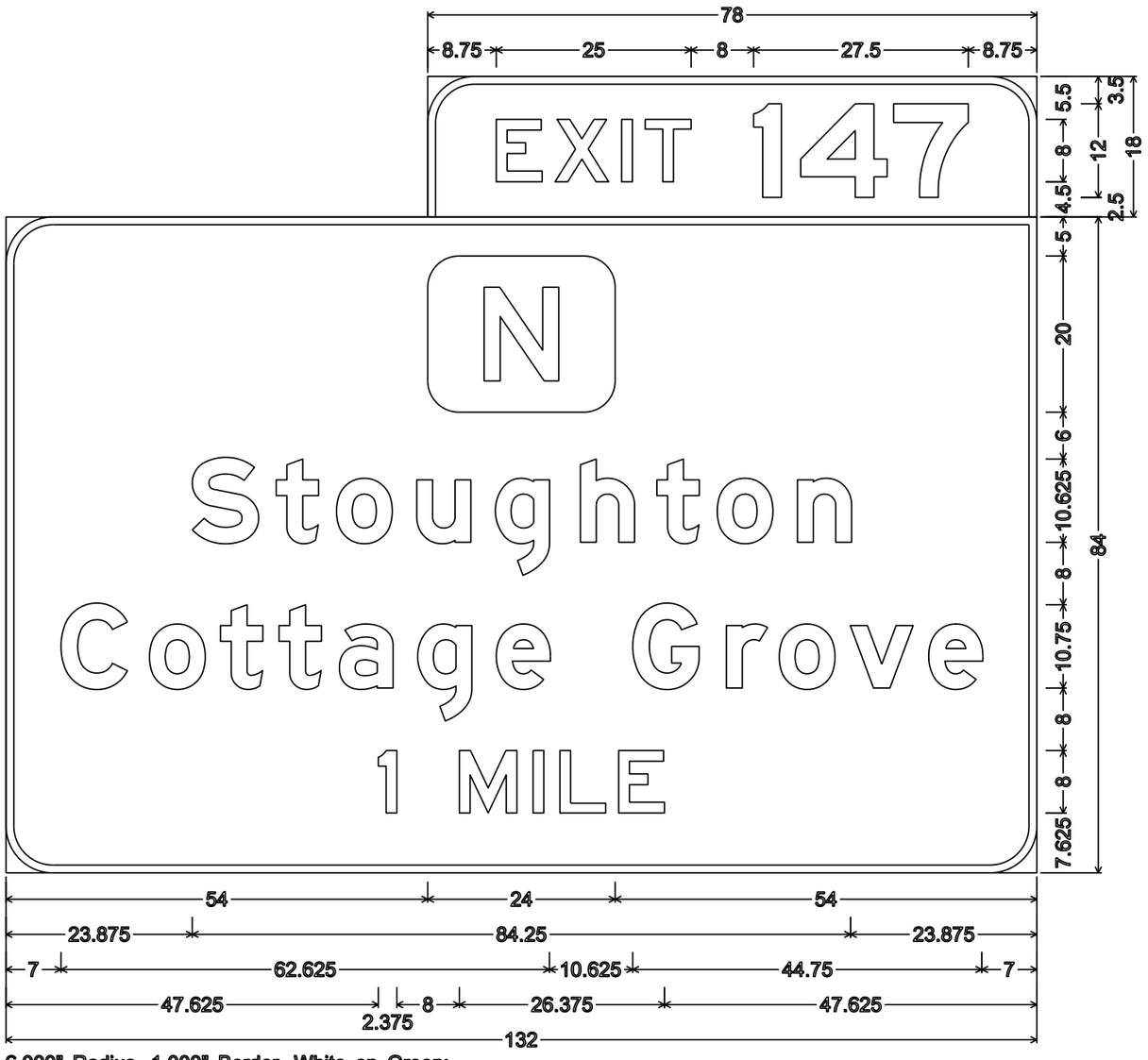
7

7

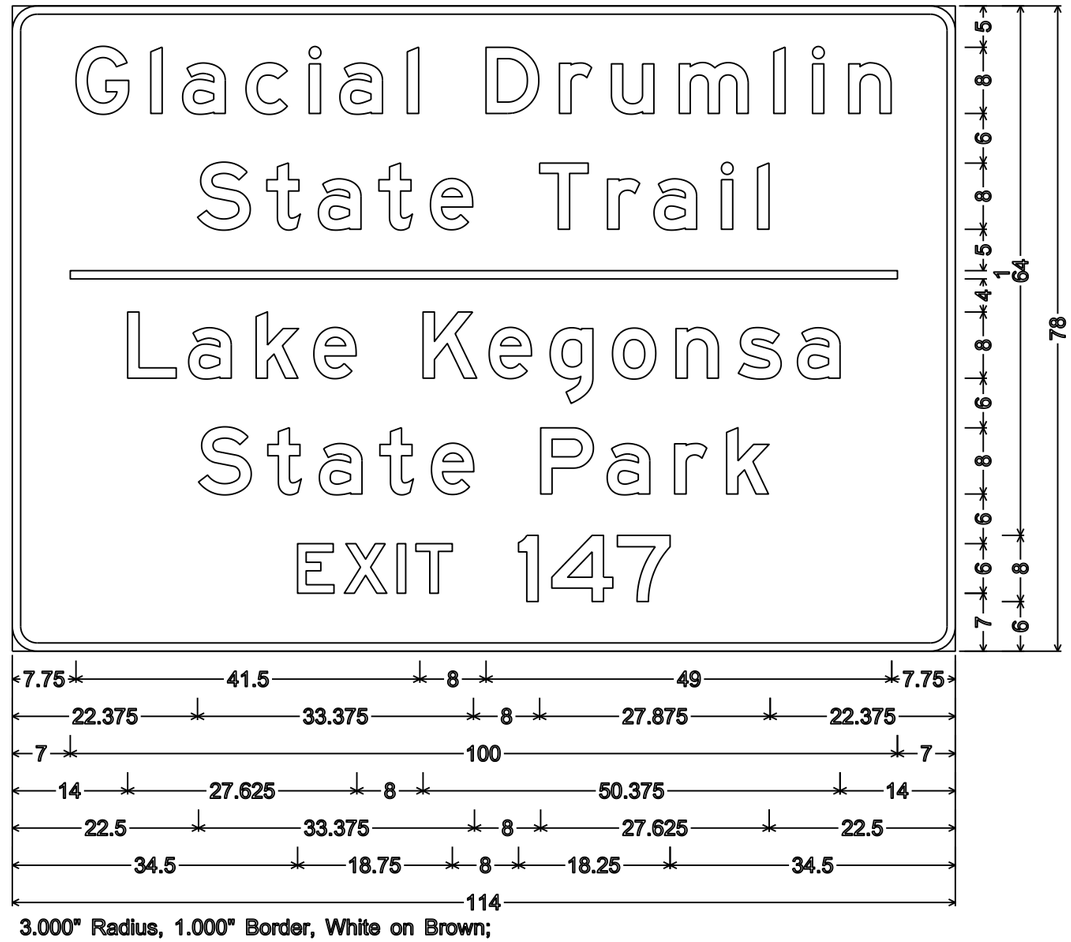
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING	SHEET NO: 285	E

NOTES

1. Fixed Message Type II Signs - Type H Reflective
2. Color:
   Background - Green except as noted
   Message - White
3. Message Series - As noted



6.000" Radius, 1.000" Border, White on Green;
"EXIT" E; "147" E Mod;
6.000" Radius, 1.000" Border, White on Green;
Square County N M1-55-1; "Stoughton" E Mod; "Cottage" E Mod; "Grove" E Mod; "1" E; "MILE" E



3.000" Radius, 1.000" Border, White on Brown;
"Glacial" E; "Drumlin" E; "State" E; "Trail" E; "Lake" E; "Kegonsa" E; "State Park" E; "EXIT" E; "147" E

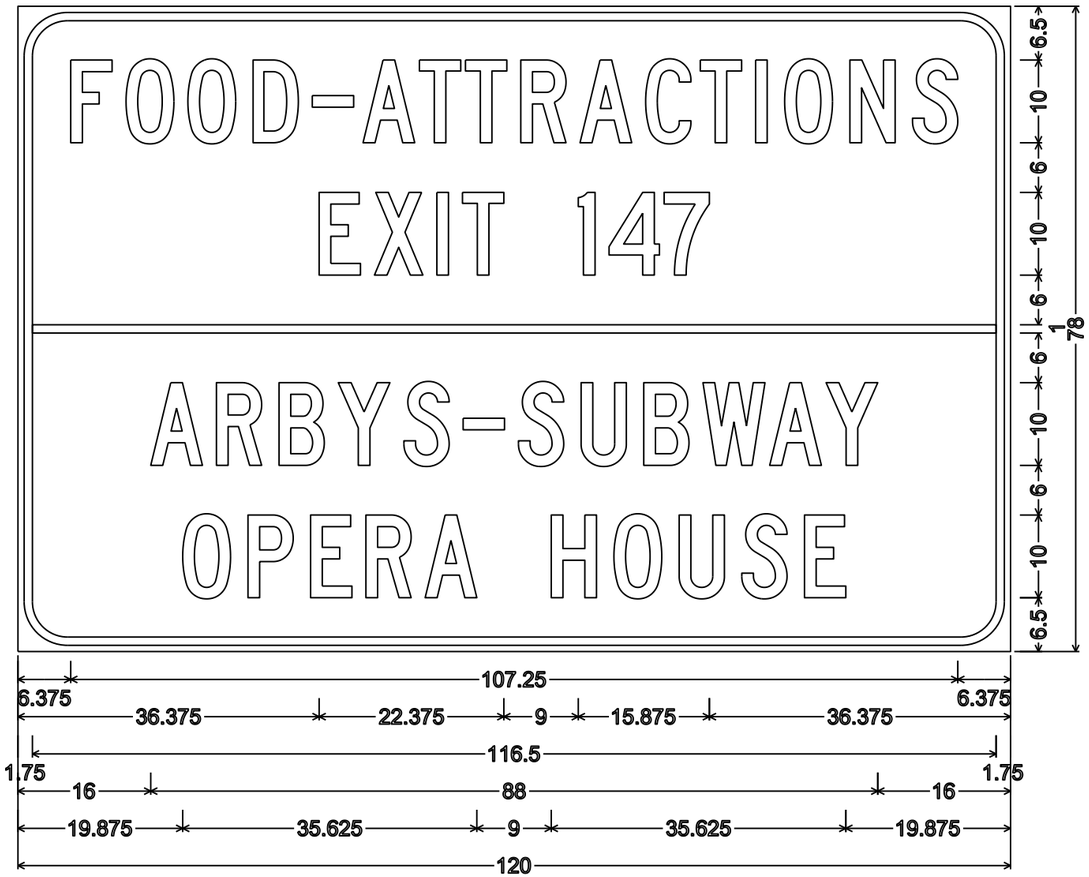
7

7

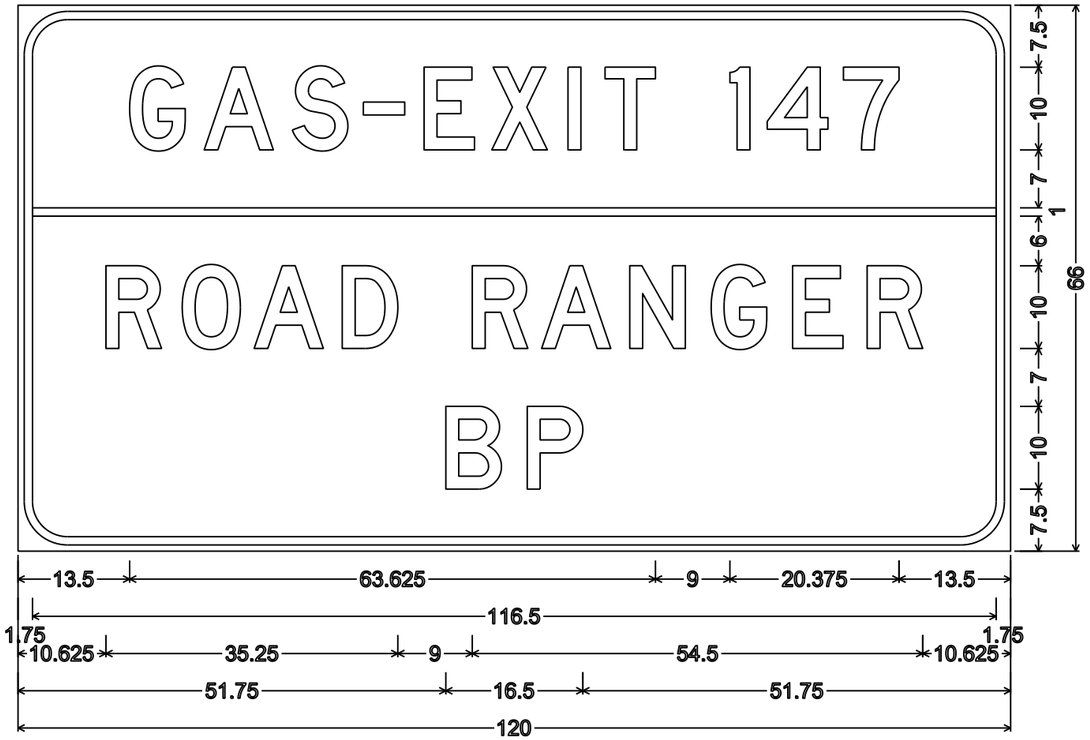
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TEMPORARY SIGNING	SHEET NO: 286	E

NOTES

1. Fixed Message Type II Signs - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - As noted



6.000" Radius, 1.000" Border, 0.750" Indent,
"FOOD-ATTRACTIONS" C; "EXIT" C; "147" C; "ARBYS-SUBWAY" C; "OPERA" C; "HOUSE" C



6.000" Radius, 1.000" Border, 0.750" Indent,
"GAS-EXIT" D; "147" D; "ROAD" D; "RANGER" D; "BP" D

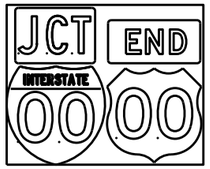
7

7

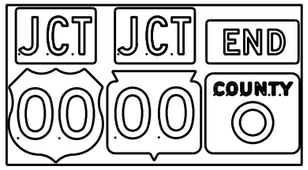
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	TEMPORARY SIGNING	SHEET NO: 287	E

TYPICAL ASSEMBLIES

J1-1

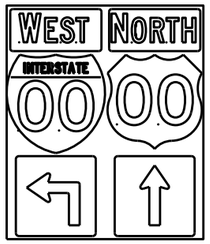


J1-2

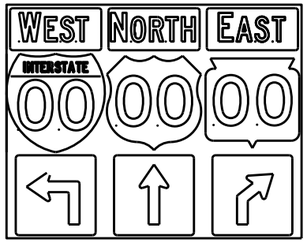


J1-3

J2-1



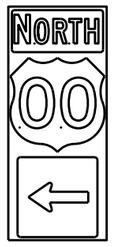
J2-2



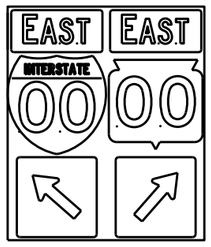
J2-3

JV

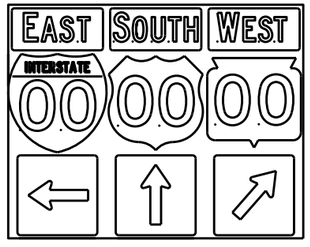
(Typical Vertical J-Assembly
See Note 10 and 11)



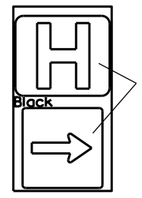
J3-1



J3-2



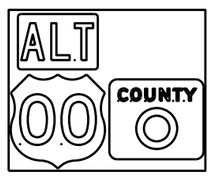
J3-3



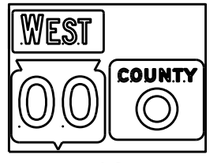
Blue Background

JH-1

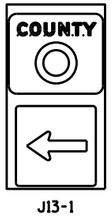
J4-1



J4-2



J4-2



J13-1

J12-1

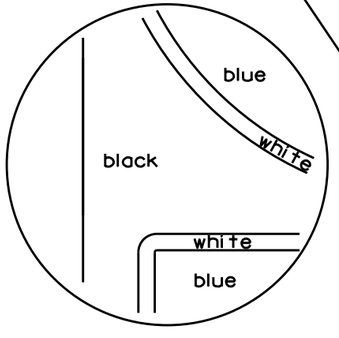
J32-1

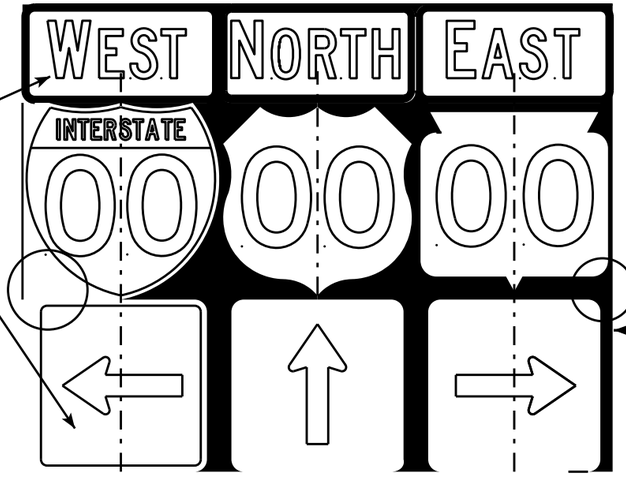
J33-1

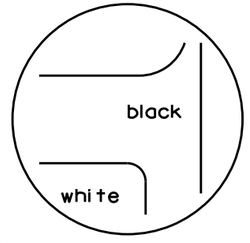
J23-1

J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

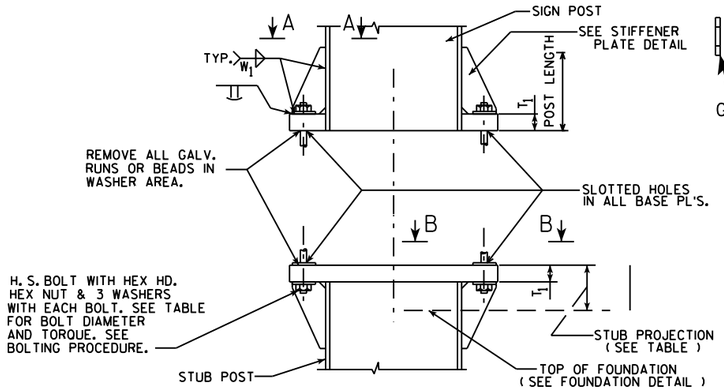
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/06/14 PL... A2-1S.8

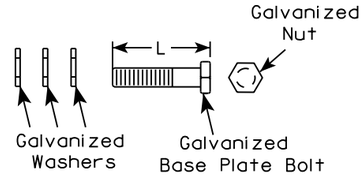
PROJECT NO: | SHEET NO: E

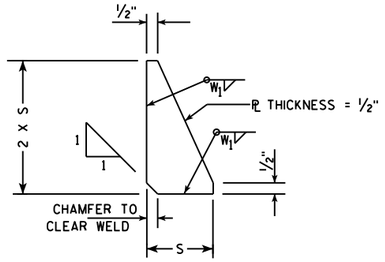
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :

WISDOT/CADDS SHEET 42



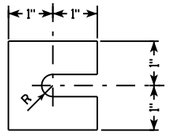
SIGN POST AND STUB POST ELEVATION





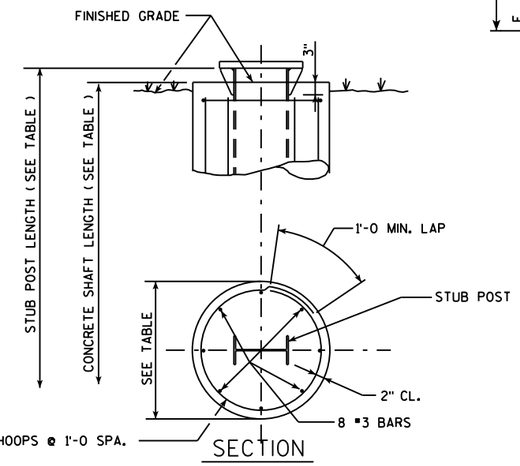
STIFFENER PLATE DETAIL

(SEE TABLE FOR DIMENSIONS)

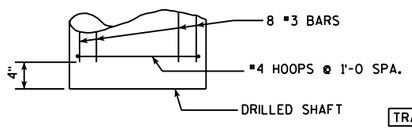


FURNISH 2 @ .012" ± THICK AND 2 @ .032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO A.S.T.M.- B36.

SHIM DETAIL



SECTION



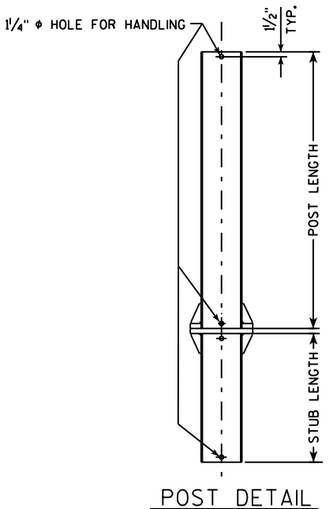
FOUNDATION DETAIL

QUANTITIES FOR 1 FOOTING		
	CONC. MASONRY C.Y.	REINF. STEEL LBS.
A	0.6	34
B	0.8	49
C	0.9	50
D	0.9	56
E	1.0	62

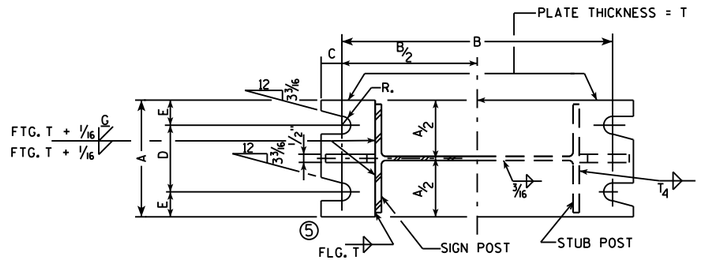
⑦

REINF.	TYPE	#3	#4
	A	8 @ 4'-5	5 @ 6'-3
	B	8 @ 6'-5	7 @ 6'-3
	C	8 @ 6'-11	7 @ 6'-3
	D	8 @ 7'-5	8 @ 6'-3
	E	8 @ 7'-11	9 @ 6'-3

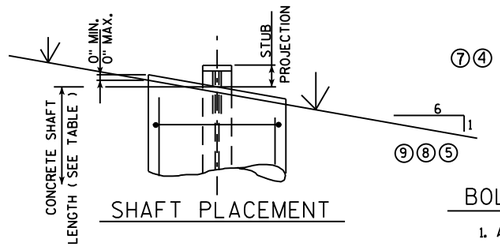
⑦



POST DETAIL



SECTION A-A SECTION B-B



⑦④ ⑨⑧⑤

SHAFT PLACEMENT

DESIGN DATA

WIND PRESSURE = 75 M.P.H.
WIND COMPONENTS - NORMAL = 1.0 TRANSVERSE = 0.0
ICE LOAD = 3 P.S.F.

GROUP LOADS	PERCENT OF ALLOWABLE STRESS
1. DEAD	100
2. DEAD & WIND	140
3. DEAD, ICE & ½ WIND△	140

△25 P.S.F. MIN.

ALLOWABLE SOIL PRESSURE = 1½T / SQ. FT.
WIND LOAD WAS APPLIED TO THE AREA OF THE SIGN AND TO THE SUPPORTING MEMBERS.
ICE LOAD WAS APPLIED TO ONE FACE OF THE SIGN AND AROUND THE SURFACE OF THE SUPPORTING MEMBERS.

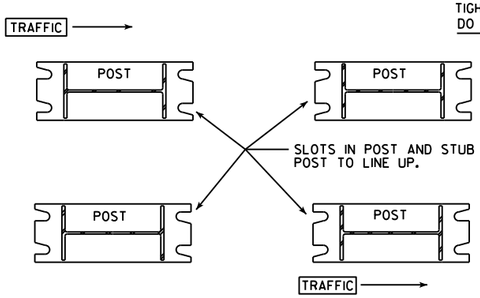
GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
DESIGN CONFORMS WITH A.A.S.H.T.O. SPECIFICATIONS 1985.
ALL POSTS, POST STUBS & ATTACHMENTS SHALL BE A.S.T.M. A709 GRADE 50, GALVANIZED IN ACCORDANCE WITH ASTM A123. ⑨
THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.
FURNISH STEEL BOLTS, NUTS, AND WASHERS IN ACCORDANCE WITH SECTION 635 OF THE STANDARD SPECIFICATIONS.

BOLTING PROCEDURE - BASE CONNECTION

1. ASSEMBLE SIGN POST TO STUB POST WITH BOLTS AND ONE OF THE FLAT WASHERS ON EACH BOLT BETW. PLATES.
2. SHIM AS REQ'D. TO PLUMB POST.
3. PRIOR TO BOLT TIGHTENING LUBRICATE BASE CONNECTION BOLTS WITH BEESWAX OR OTHER HIGH-WAX LUBRICANT.
4. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS, THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. (SEE TABLE)
5. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

NOTE:
TIGHTEN THE HIGH STRENGTH BOLTS TO THE TORQUE SHOWN. DO NOT OVERTIGHTEN.



POST SLOT ORIENTATION ⑦

BASE CONNECTION DATA TABLE																FOUNDATION DATA				②
L	X	TYPE	POST SIZE	WEIGHT PER FT	BOLT SIZE & TORQUE	A	B	C	D	E	T_1	T_4	W_1	R	S	STUB LENGTH	STUB PROJECTION	SHAFT DIAMETER	SHAFT LENGTH	K
3 ¾	④	A	W10"X12.0	12.0 LBS	¾" ø @ 75"-FT.	5¼"	1'-0⅜"	⅞"	3½"	⅞"	1"	⅜"	5/16"	13/32"	2⅛"	3'-6	3"	2'-0 ø	5'-0	76.0" ④
4 ¾	④	B	W12"X16.0	16.0 LBS	⅞" ø @ 85"-FT.	5½"	1'-4¼"	1"	3½"	1"	1¼"	¼"	5/16"	15/32"	3"	5'-6	3"	2'-0 ø	7'-0	146.5" ④
5		C	W12"X19.0	19.0 LBS	⅞" ø @ 85"-FT.	5½"	1'-4¼"	1"	3½"	1"	1½"	5/16"	5/16"	15/32"	3"	6'-0	3"	2'-0 ø	7'-6	182.1"
5		D	W12"X22.0	22.0 LBS	⅞" ø @ 85"-FT.	5½"	1'-4¼"	1"	3½"	1"	1½"	⅜"	5/16"	15/32"	3"	6'-6	3"	2'-0 ø	8'-0	210.5"
5	③	E	W12"X26.0	26.0 LBS	1" ø @ 90"-FT.	7"	1'-4¼"	1¼"	4"	1½"	1½"	⅜"	5/16"	17/32"	3"	7'-0	3"	2'-0 ø	8'-6	293.0" ③

① ⑥ ①

STRUCTURAL CARBON STEEL PAY WTS. (1 POST) = K+ (POST LENGTH X POST WT.)
" K " INCLUDES STUB, BASE PLATES, STIFFS., BOLTS, AND WASHERS.

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/22/17 PLATE NO. A3-1.17

⑩	1-21-14	LUBRICATION OF BASE BOLTS
⑨	4-26-11	REMOVE NON-GALVANIZED
⑧	10-30-96	NOT GALVANIZED/GALVANIZED
⑦	10-30-92	QUANT., A588 EXCEPT., ADD SLOT VIEW
⑥	8-24-87	BASE CONN. WELD
⑤	10-13-81	BASE CONN. WELD & FUSE & WASHERS
④	10-19-79	POST A & B, A572 GR. 50, & K
②	11-28-78	"K" ③ 4-23-79 TYPE "E"
①	5-4-78	T_1 . T_2 & W_1
NO.	DATE	REVISION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

TYPE A, B, C, D, & E

CONST. SPEC. 2011	DRAWN BY JPH	PLANS CK'D.

FTG. & SIGN SUPPORT DETAILS GROUND MOUNT BREAK-AWAY SIGNS

SHEET

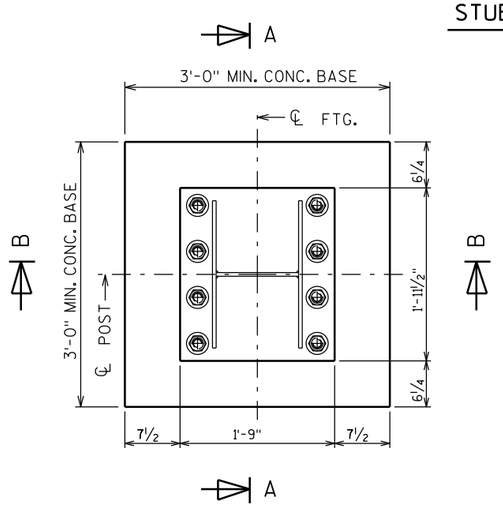
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 289 | E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A31.DGN PLOT DATE : 22-AUG-2017 09:41 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 5.415383:1.000000

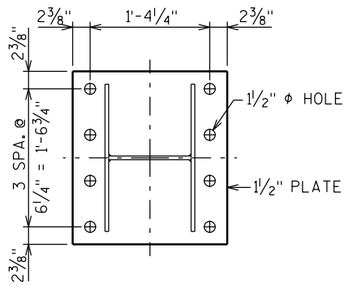
WISDOT/CADDS SHEET 42

7 7

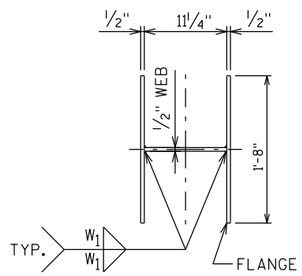
STUB AND MASONRY ANCHOR DETAILS



STUB SECTION



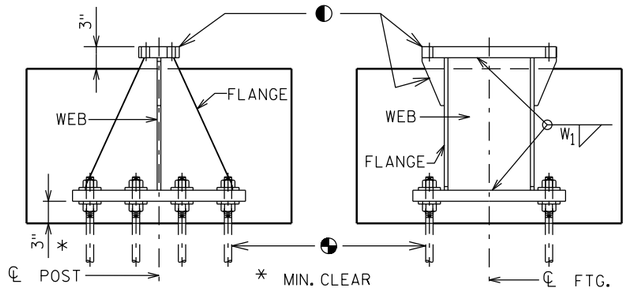
BASE PLATE



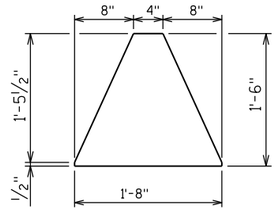
STUB

◐ SEE PLATE NO. A3-1 FOR DETAILS

◒ MASONRY ANCHORS TYPE S 1¼-INCHES (ADHESIVE). ALLOWABLE PULL OUT CAPACITY 14,995 KIPS. EMBED 1'-3" IN ROCK.



SECTION A SECTION B



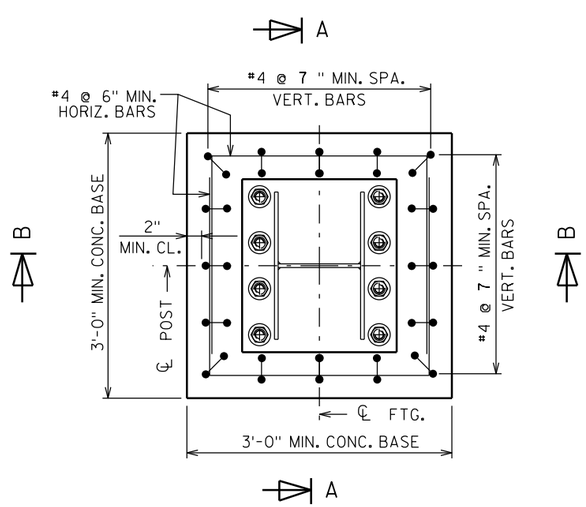
FLANGE

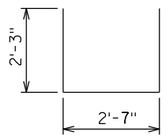
GENERAL NOTES

1. Quantities per Base:
   - REINFORCING BAR STEEL = 62 LBS
   - CONCRETE = 0.6 C.Y.
   - STEEL WEIGHT = 335 LBS
2. All materials, except anchor rod, nuts and washers, are to be A.S.T.M. A709 grade 50. All materials to be galvanized after fabrication.
3. If the contractor encounters rock before reaching the footing depth, per the A3-1 Sign Detail, determine the pull-out capacity of a test adhesive anchor installed in the rock. If the test result equals or exceeds the pull-out capacity of 14,995 KIPS, the contractor may install the breakaway stub for rock, according to this detail.

CONCRETE BASE AND REINFORCING STEEL DETAILS

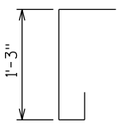
CONCRETE BASE SECTION





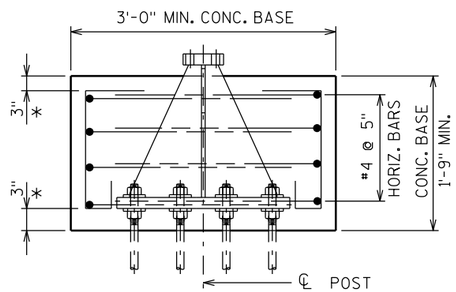
HORIZONTAL BAR

8 BARS @ 6'-11" LENGTH



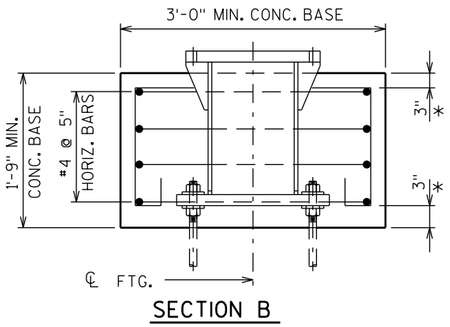
VERTICAL BARS

16 BARS @ 2'-4" LENGTH
MAY BE PLACED IN SKEW
FOR CLEARANCE NEED



SECTION A

* MIN. CLEAR



SECTION B

ALTERNATE BREAK-AWAY BASE ON ROCK
A3-1M

WISCONSIN DEPT OF TRANSPORTATION

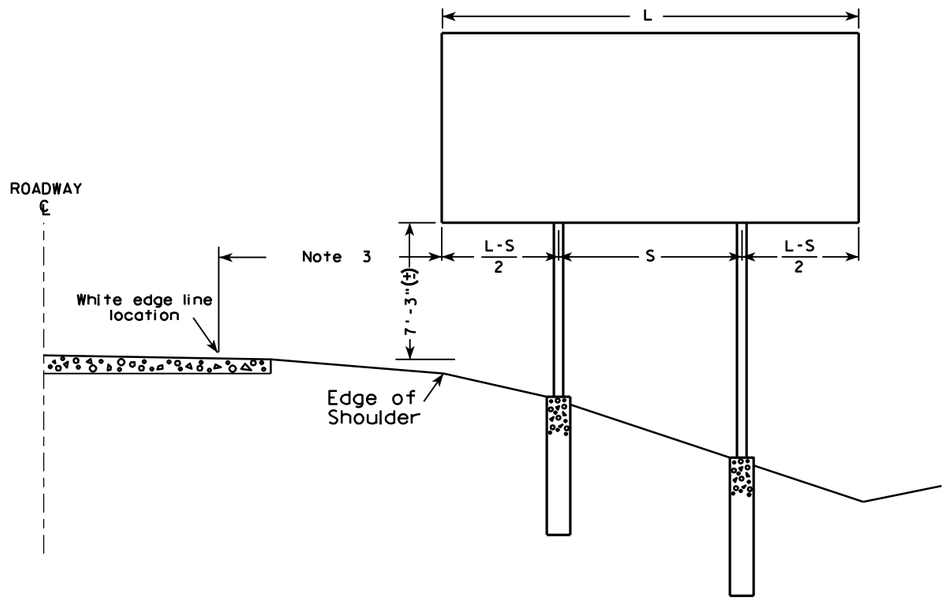
APPROVED Matthew R Rauch for State Traffic Engineer

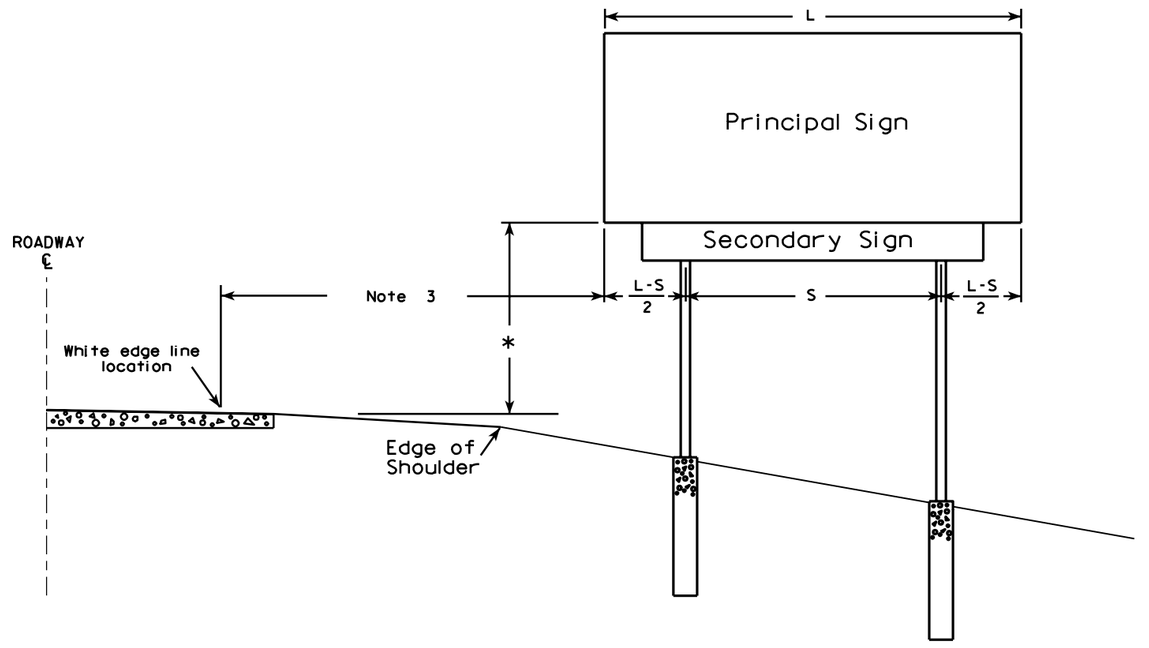
DATE 2/06/2014 PLATE A3-1M.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A31M.DGN PLOT DATE : 10-MAR-2014 15:16 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.556674:1.000000

WISDOT/CADDS SHEET 42





GENERAL NOTES

1. For a 2 post installation, S equals 3L/5, but shall not be less than 9 ft.
2. For a 3 post installation, S equals 5L/7, but shall not be less than 18 ft., and the space between any two posts shall not be less than 9 ft.
3. Unless noted in the plan, the sign offset distance shall be a minimum of 17'-6", desirable 30'-0".
4. The (±) tolerance shown on this sheet is 3 in.
5. The vertical sign height clearance detailed is measured from the bottom of the sign to the near edge of pavement.
6. Post lengths shown in the miscellaneous quantities are estimated lengths. The contractor shall verify post lengths at the time of final grading.
7. Refer to the Traffic Guidelines Manual for further guidance on minimum vertical clearance requirements.

* Clearance is 8'-3"(±) when the secondary sign is 3 ft. or less in height. For secondary signs larger than 3 ft., the clearance to the bottom of the secondary sign shall be 5'-3"(±).

7

7

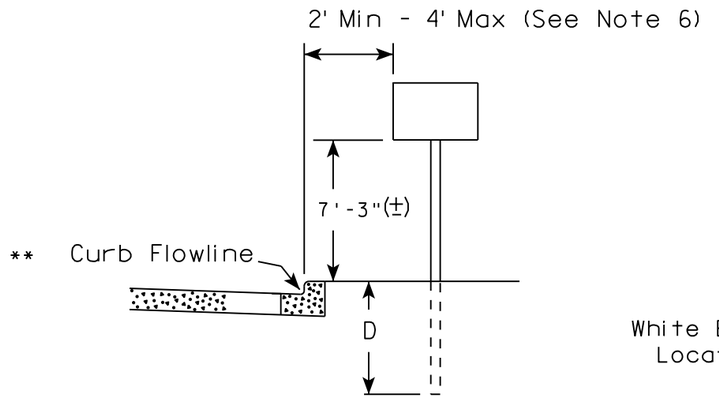
TYPICAL INSTALLATION
OF TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

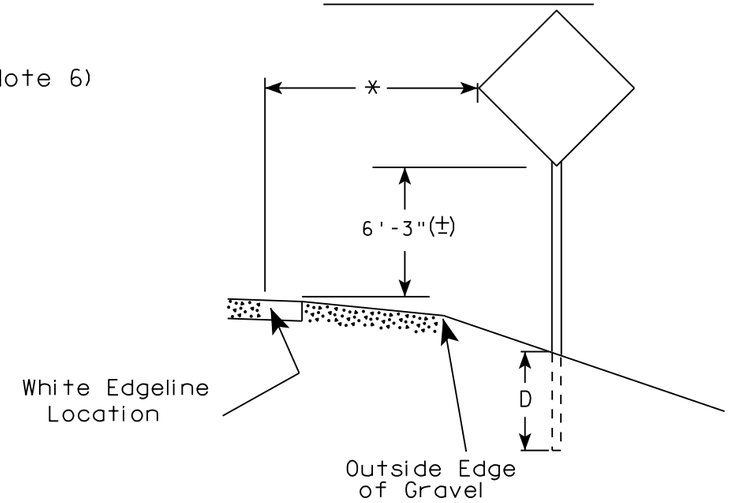
APPROVED Matthew R Rauch
for State Traffic Engineer

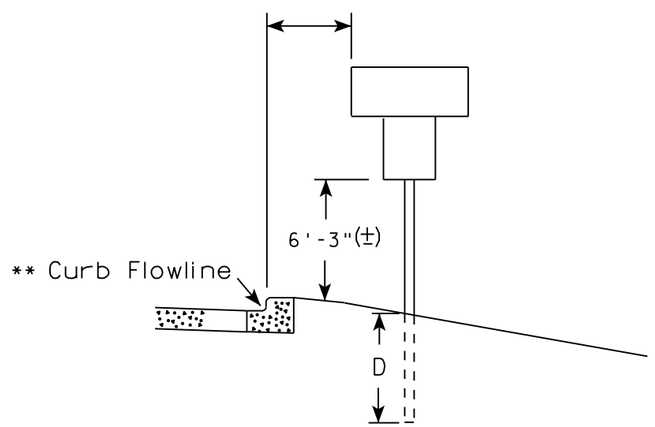
DATE 4/02/08 PLATE NO. A4-1.9

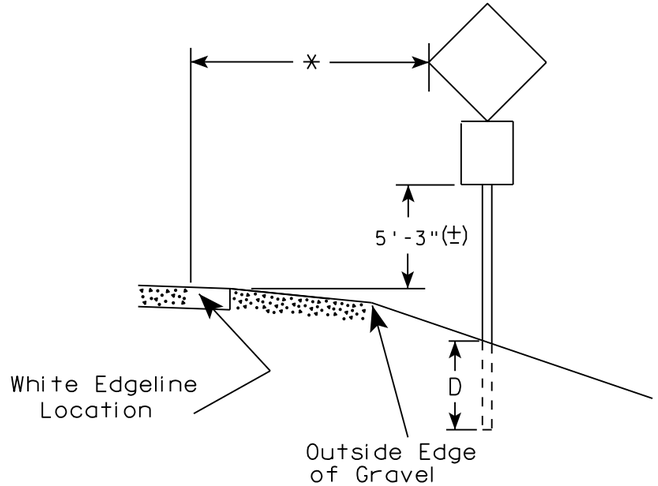
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

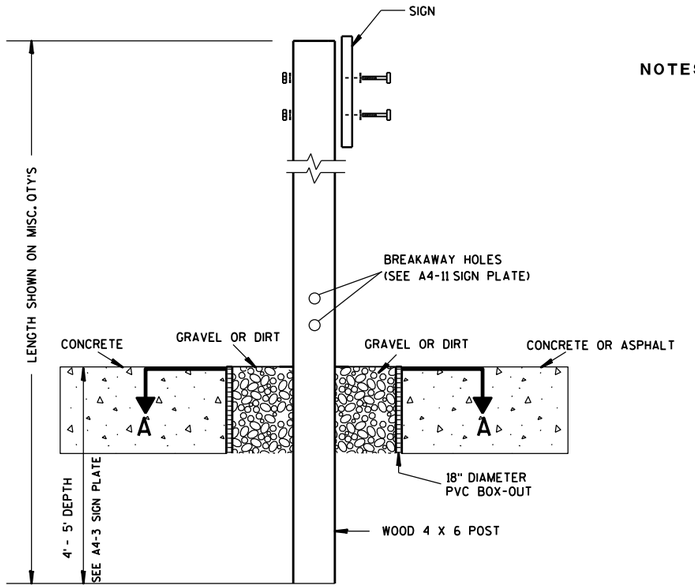
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

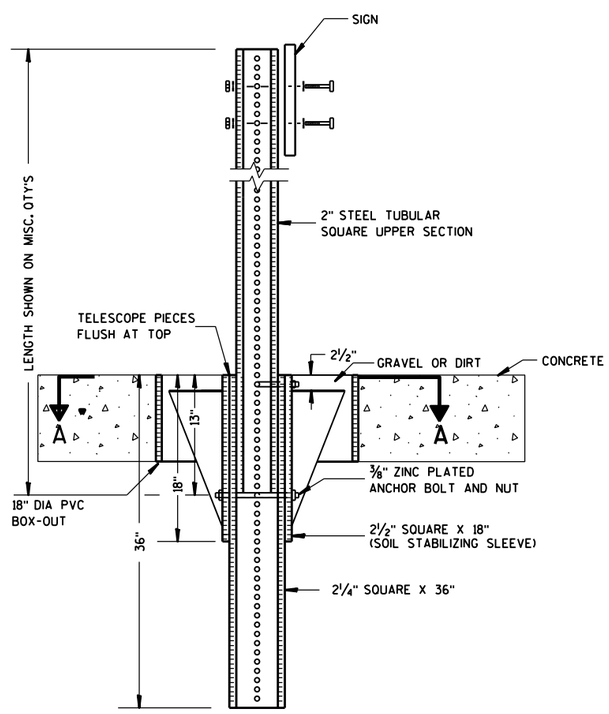
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 292	E



ELEVATION VIEW

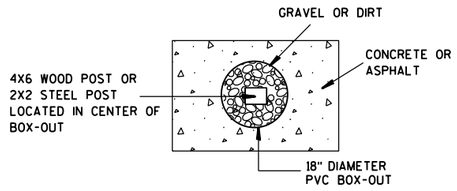
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

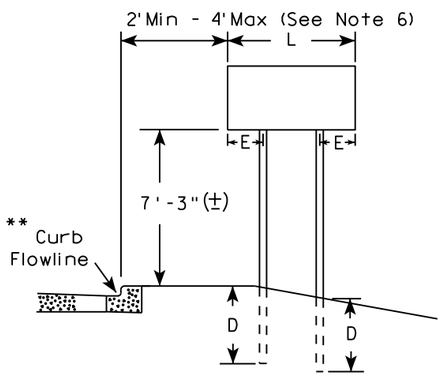
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

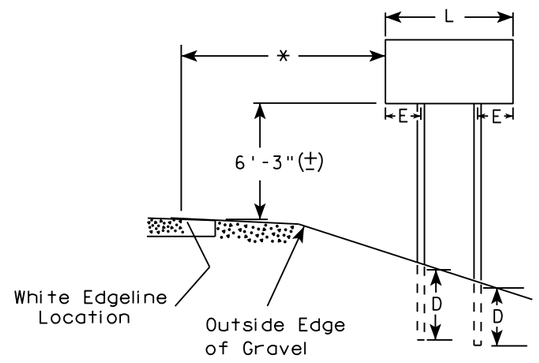
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

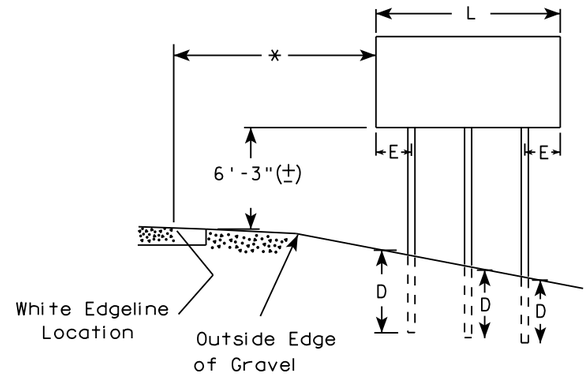
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

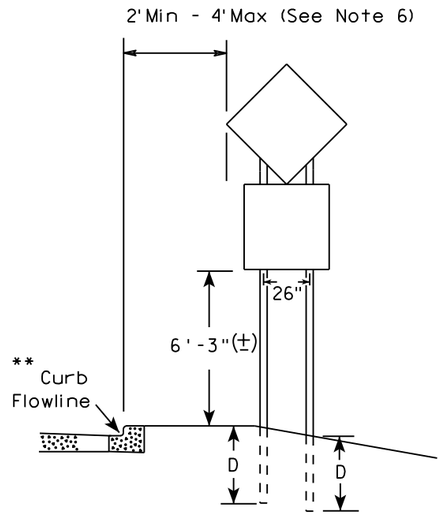
URBAN AREA



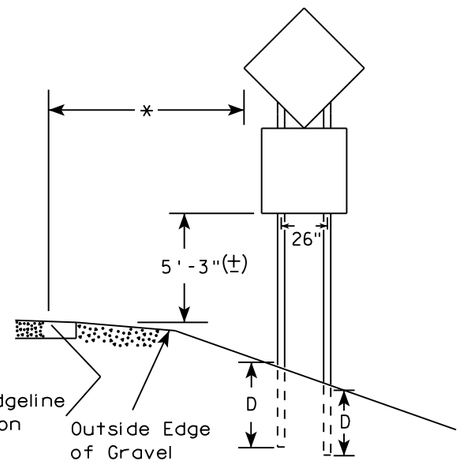
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

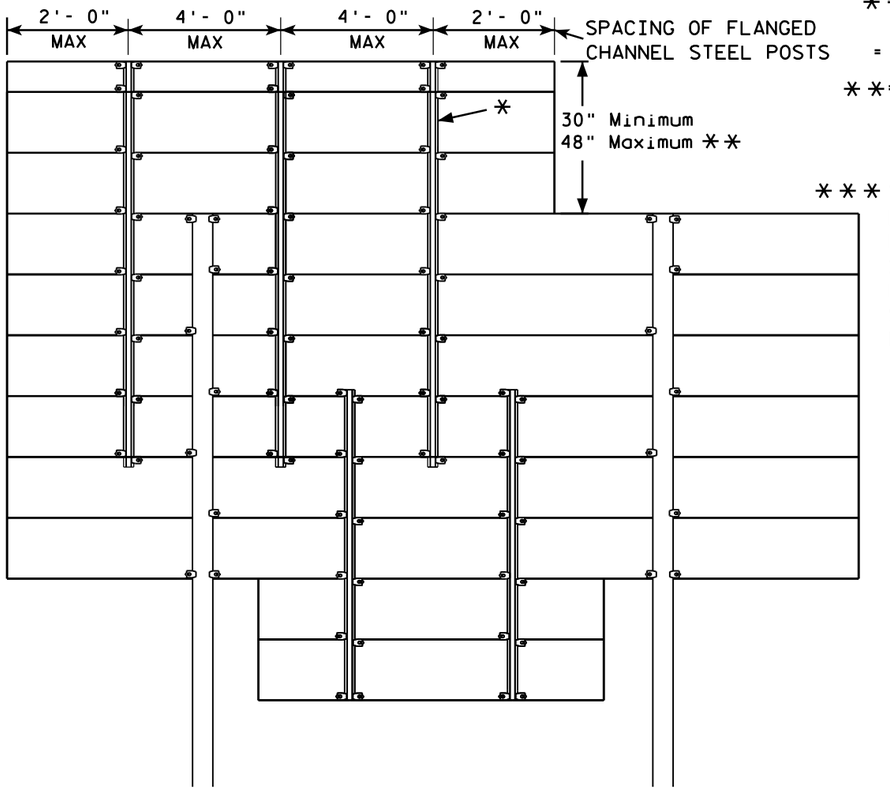
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 294	E

GROUND MOUNTED SIGN

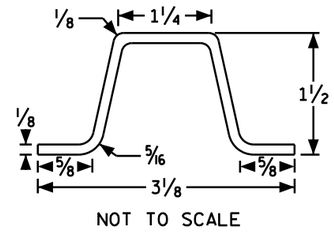


*=2.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

**=FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

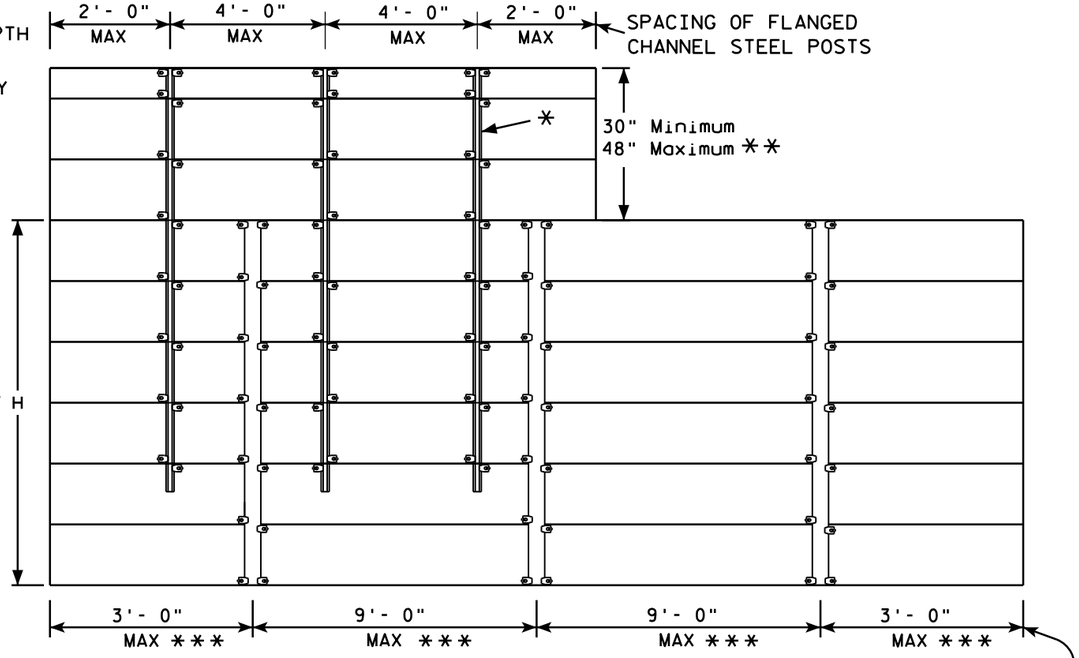
*** THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 16 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 16 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAIL



NOT TO SCALE

SIGN BRIDGE MOUNTED SIGN



SPACING OF ALUMINUM SIGN SUPPORTS
5" X 3.5" X 3.7 LBS./ft.

GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)
6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

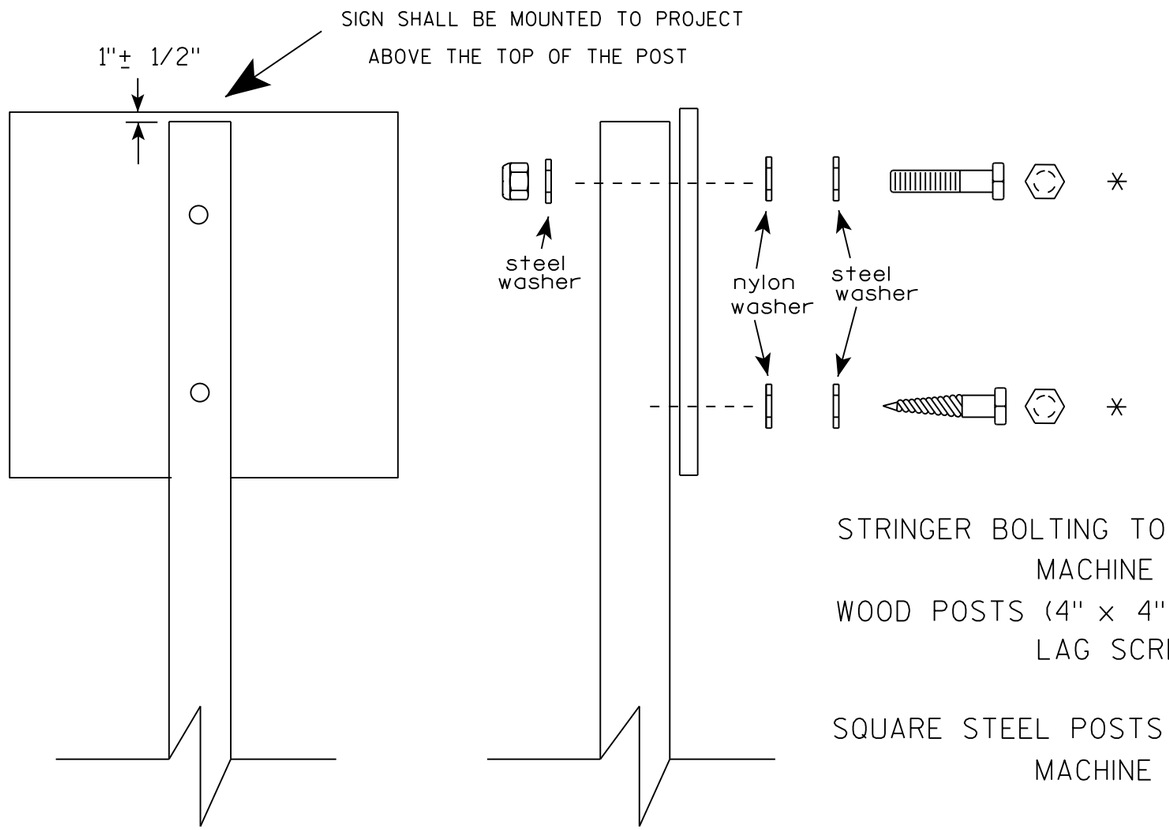
ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/05/13 PLAT 295 A4-6.12

PROJECT NO: | SHEET NO: E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts
WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)
SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH
WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

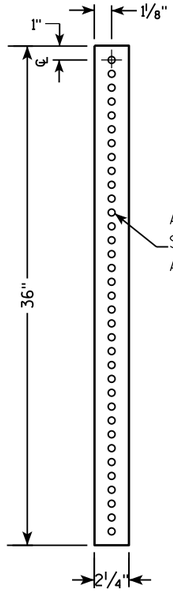
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

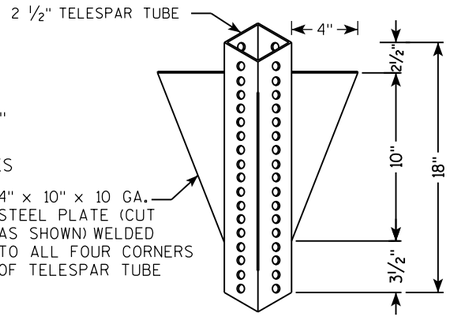
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

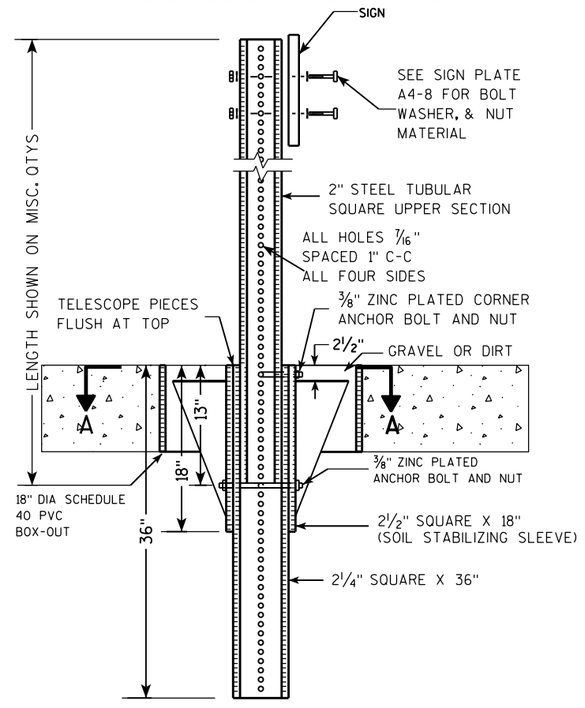
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



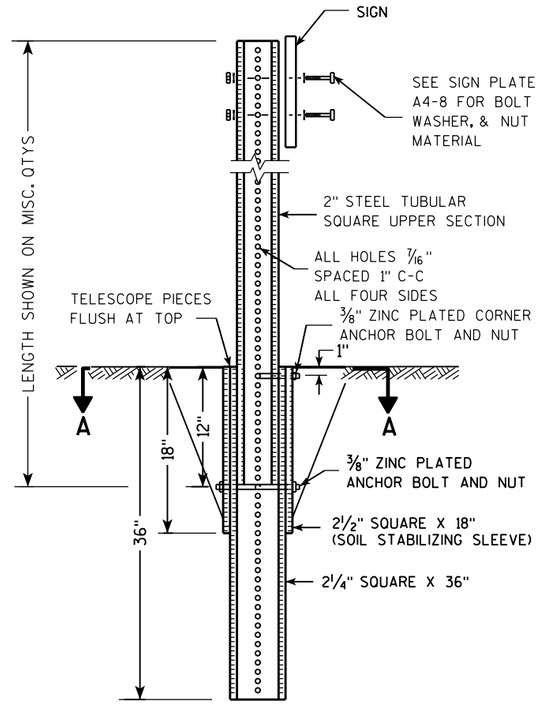
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

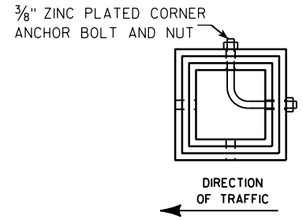


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

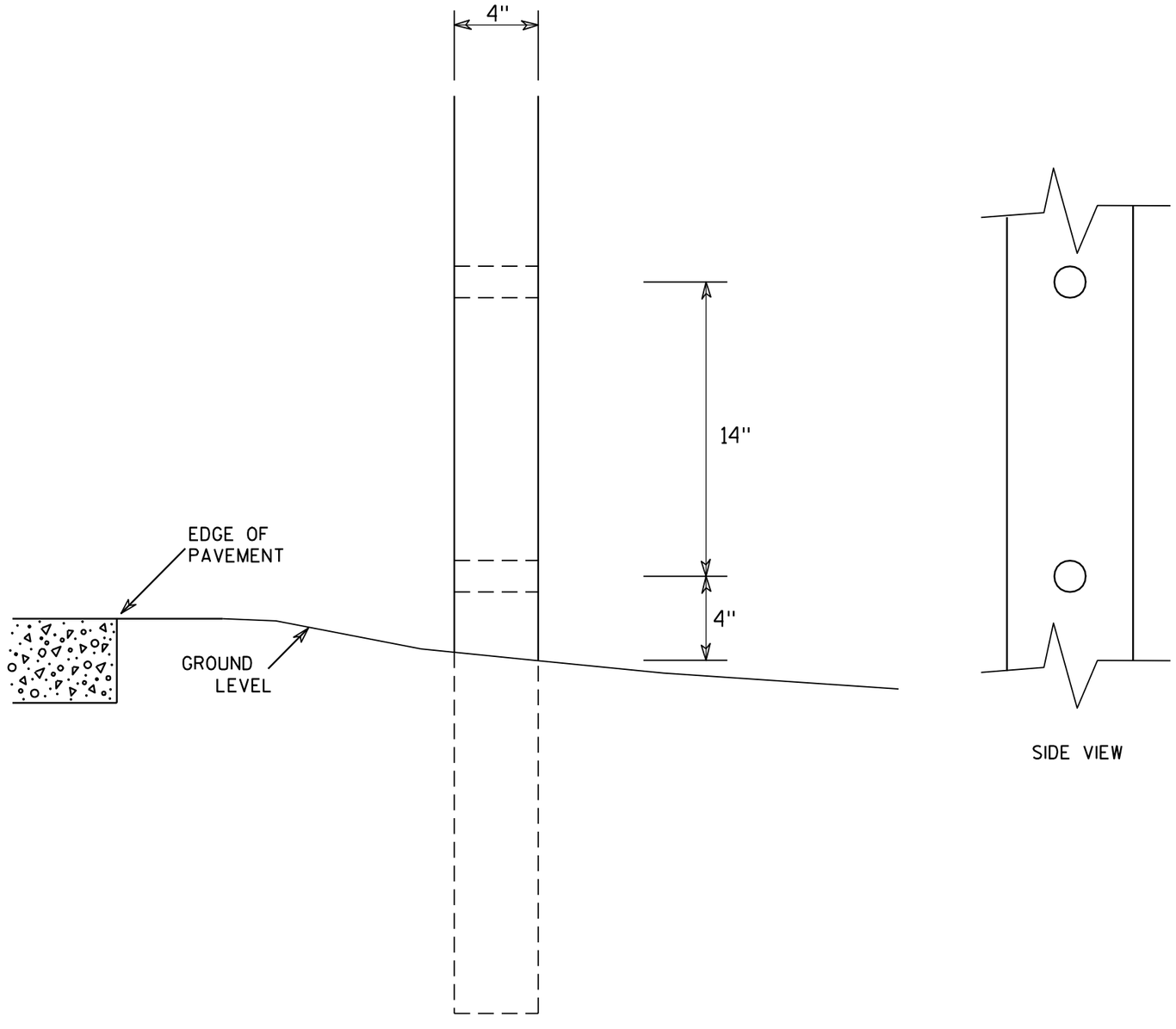
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 297 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

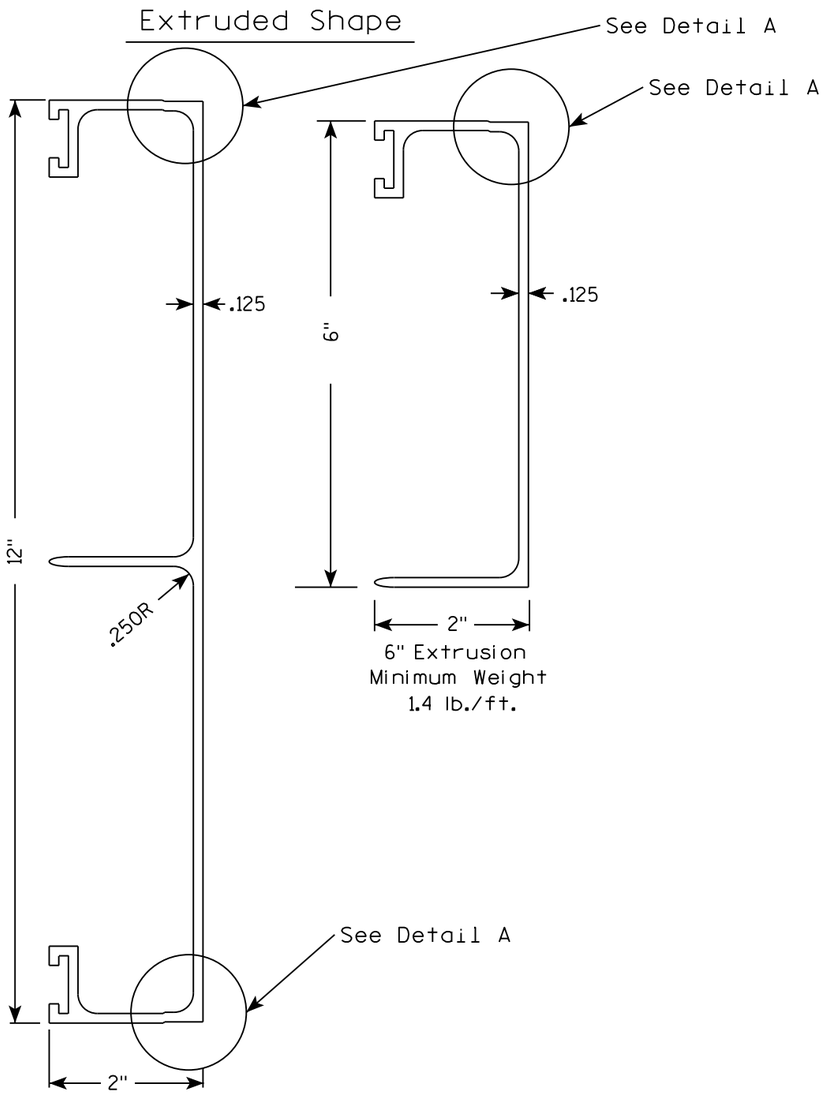
WISCONSIN DEPT OF TRANSPORTATION

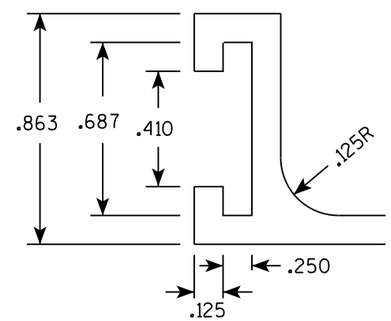
APPROVED Chester J Spang for State Traffic Engineer

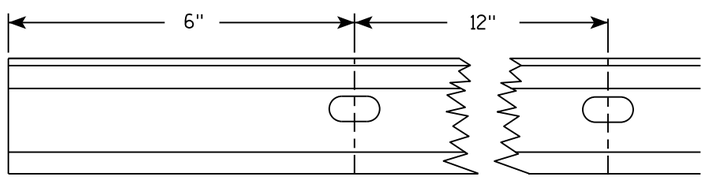
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 298	E

Extruded Shape







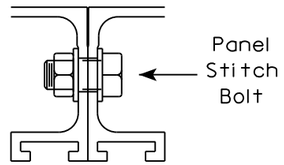
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

Hardware

STITCH BOLT, WASHER & NUT

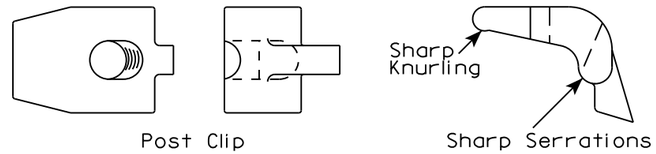
The hardware includes:

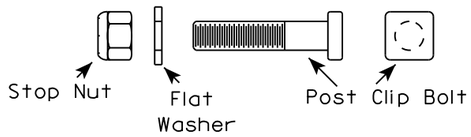
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

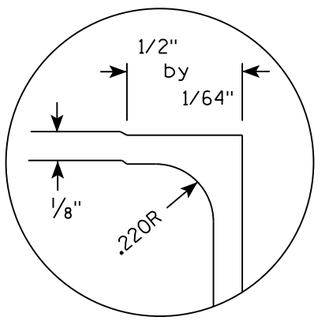
Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.
4. Edge wrapping of sign sheeting required on all extrusions joints shown in Detail A.



DETAIL A (EDGE WRAP JOINT)

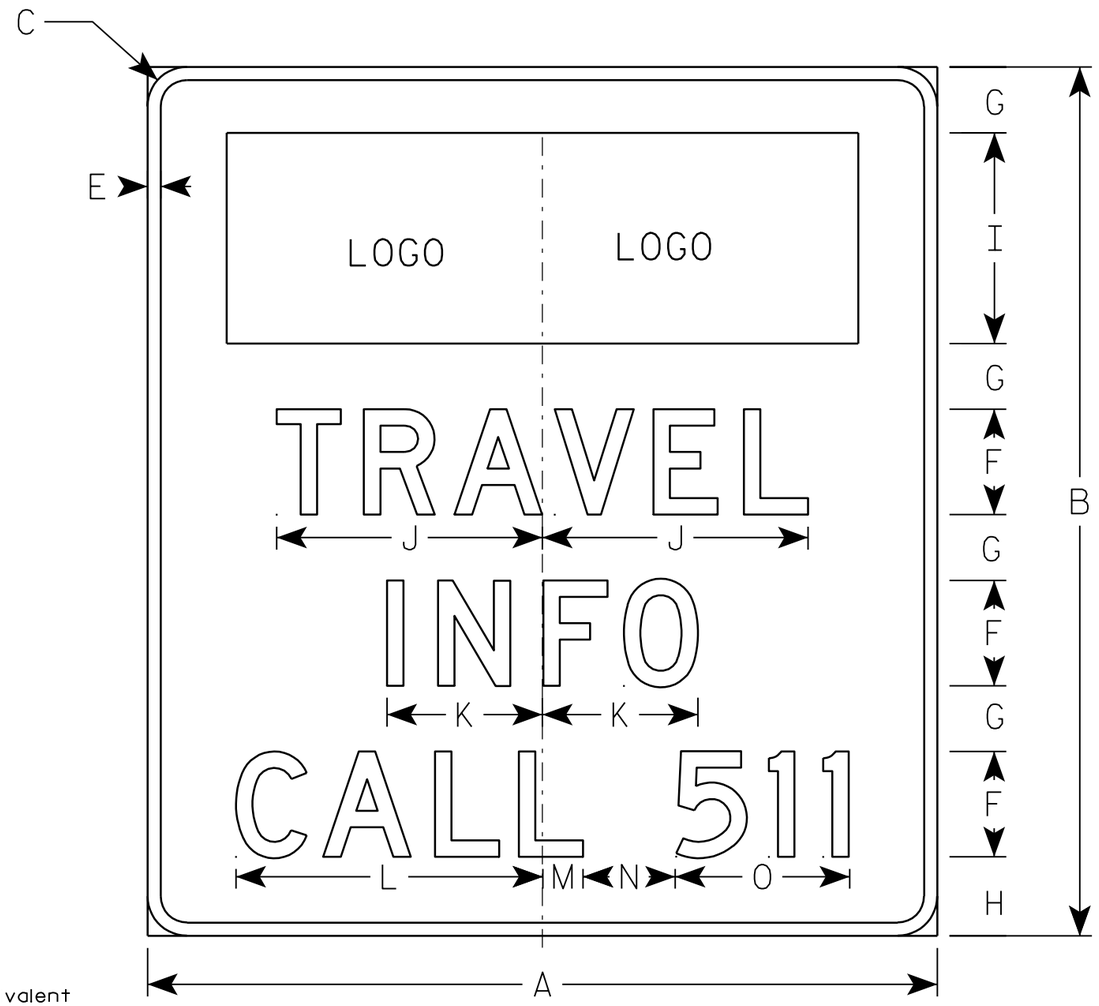
ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/30/16 PLATE NO. A5-2.10

PROJECT NO:				SHEET NO: 299	E



D12-5

NOTES

1. Sign is Type II - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	
2	1500 mm X 1650 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	60	66	2 1/4		1	8	5	6	16	20 1/4	11 7/8	23 3/8	3 1/8	7	13 1/4												27.5	2.48
3																												
4																												
5																												

STANDARD SIGN
D12-5

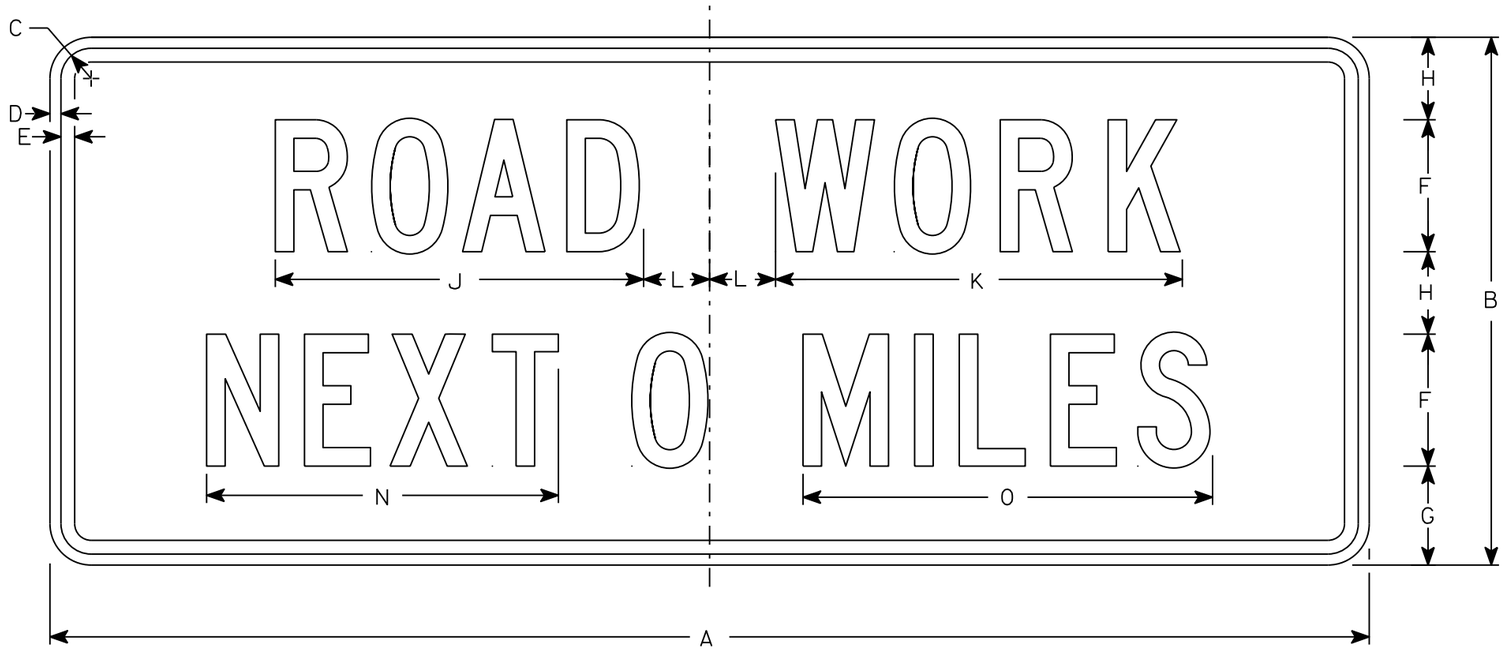
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/5/08 PLATE NO. D12-5.2

PROJECT NO:

SHEET NO: 300 E



G20-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10
5																											

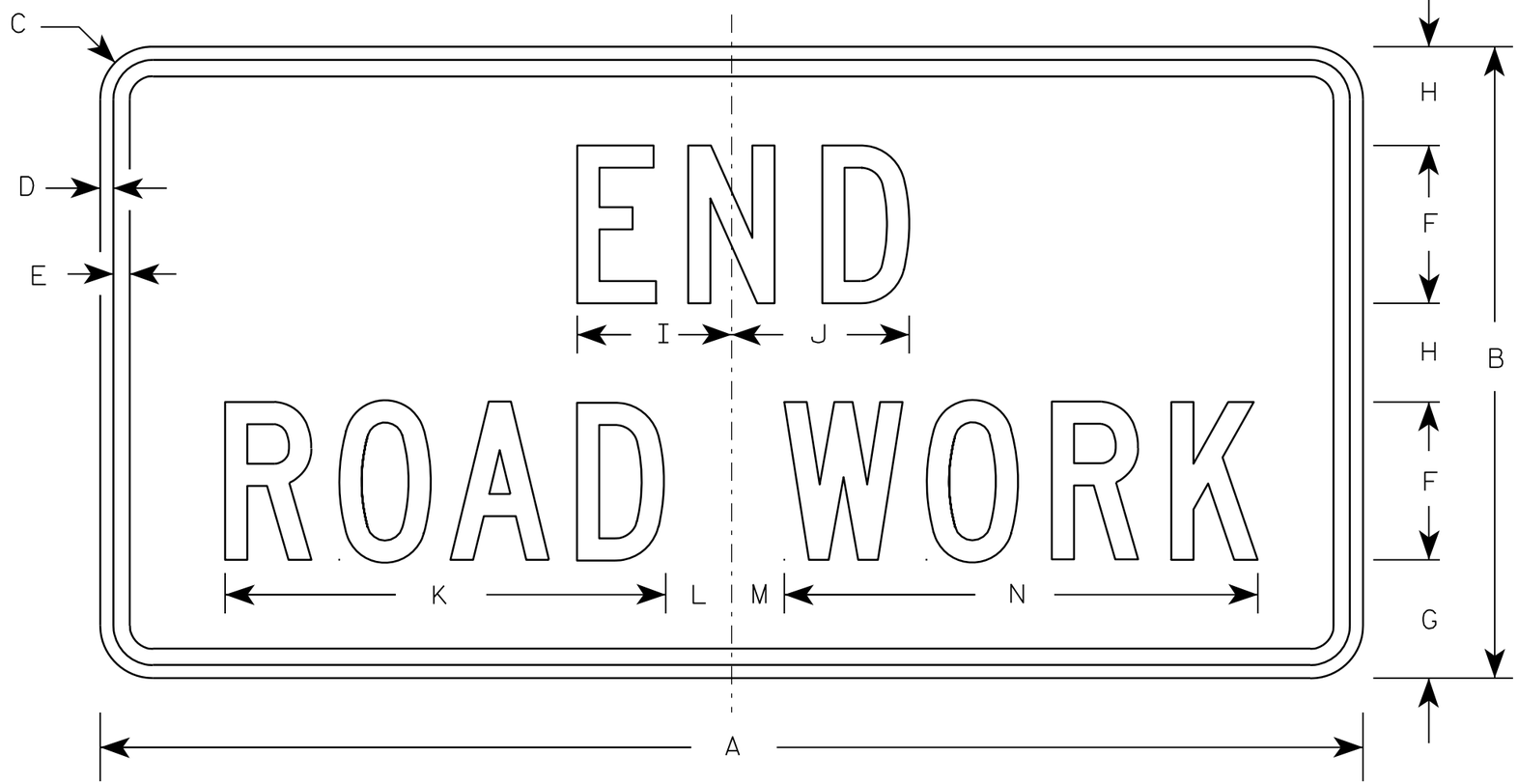
STANDARD SIGN
G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/14/17 PLATE NO. G20-1.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 301 | E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

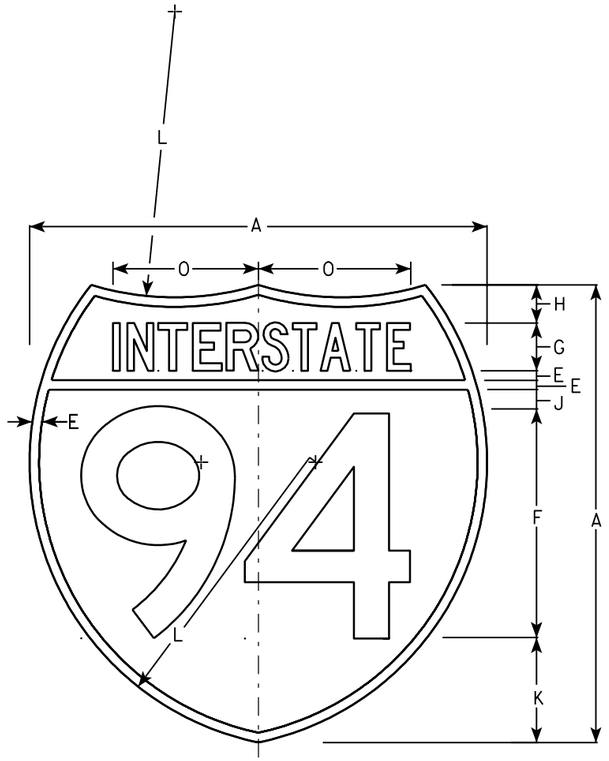
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

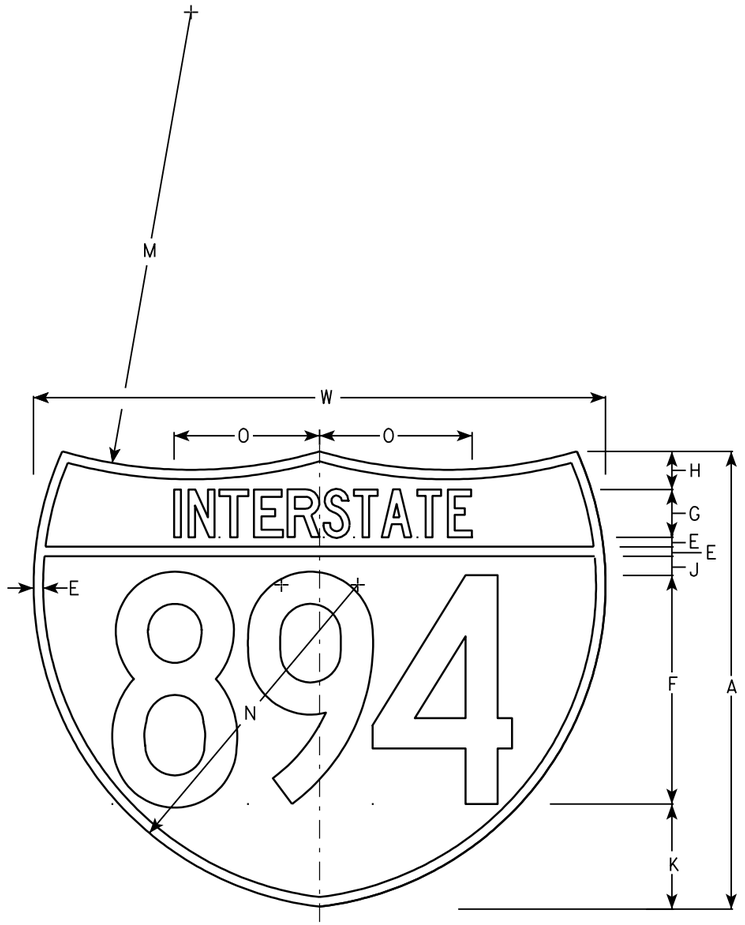
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 302	E



M1-1



M1-1A

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Top Red - Bottom Blue (See Note 6)
   Message - White - See Note 6
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C
6. Permanent Signs
   Message - Type H Reflective
   Detour or other temporary signs
   Background - Reflective
   Message - Reflective

Metric equivalent for these signs are:

SIZE	M1-1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	M1-1 Area sq. ft.	M1-1A Area sq. ft.	M1-1 Area m2	M1-1A Area m2
1																													
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91	.36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05

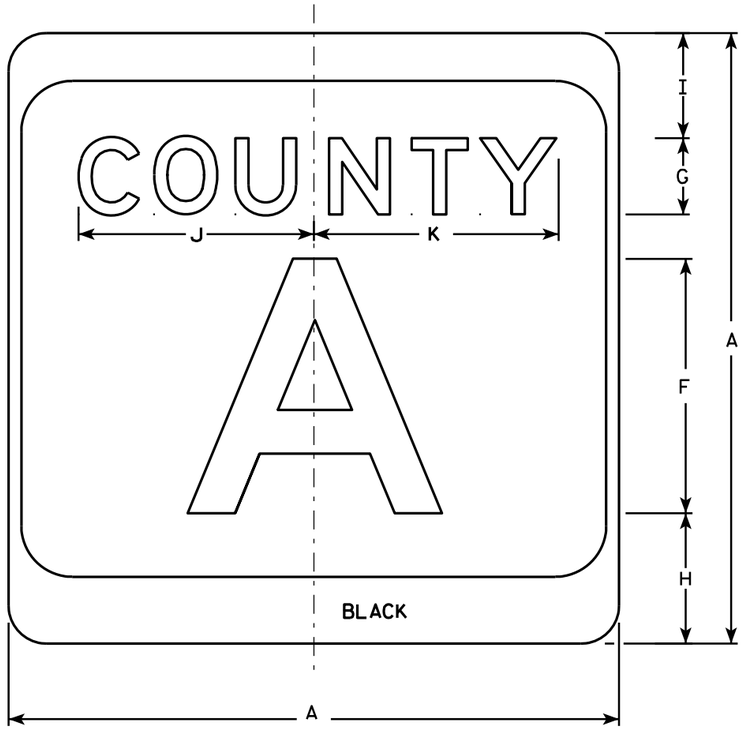
INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

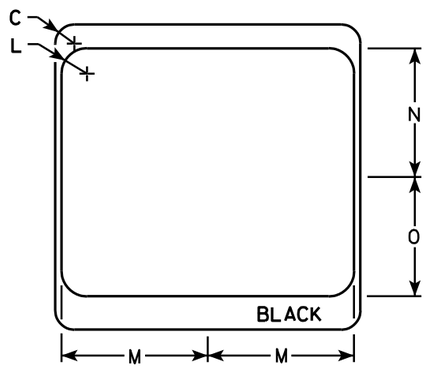
APPROVED Matthew R Rauch
for State Traffic Engineer

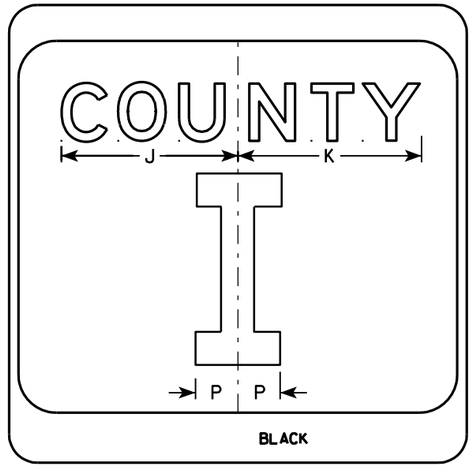
DATE 08/23/05 PLATE NO. M1-1.8

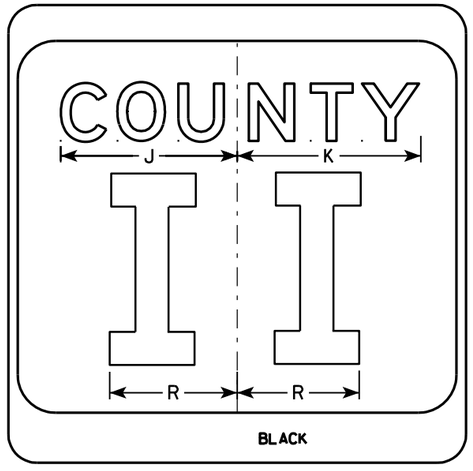
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 303	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

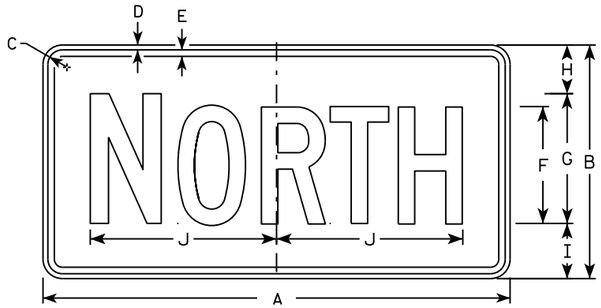
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

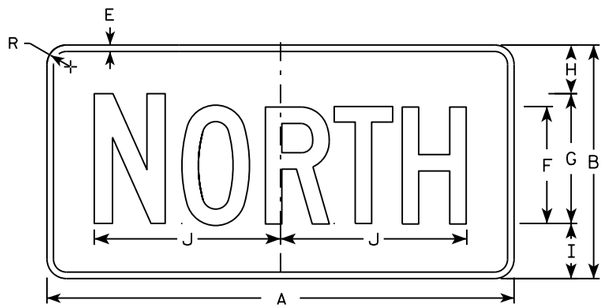
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 304	E



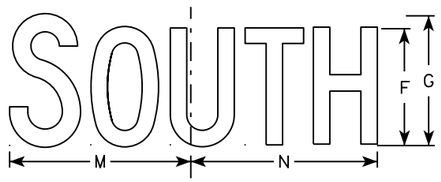
M3-1
MM3-1
MP3-1



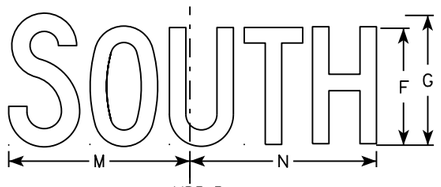
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

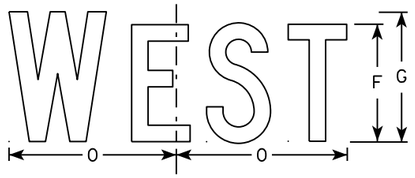
MB3-2
MK3-2
MN3-2



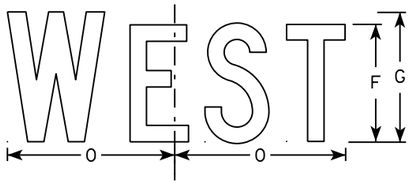
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

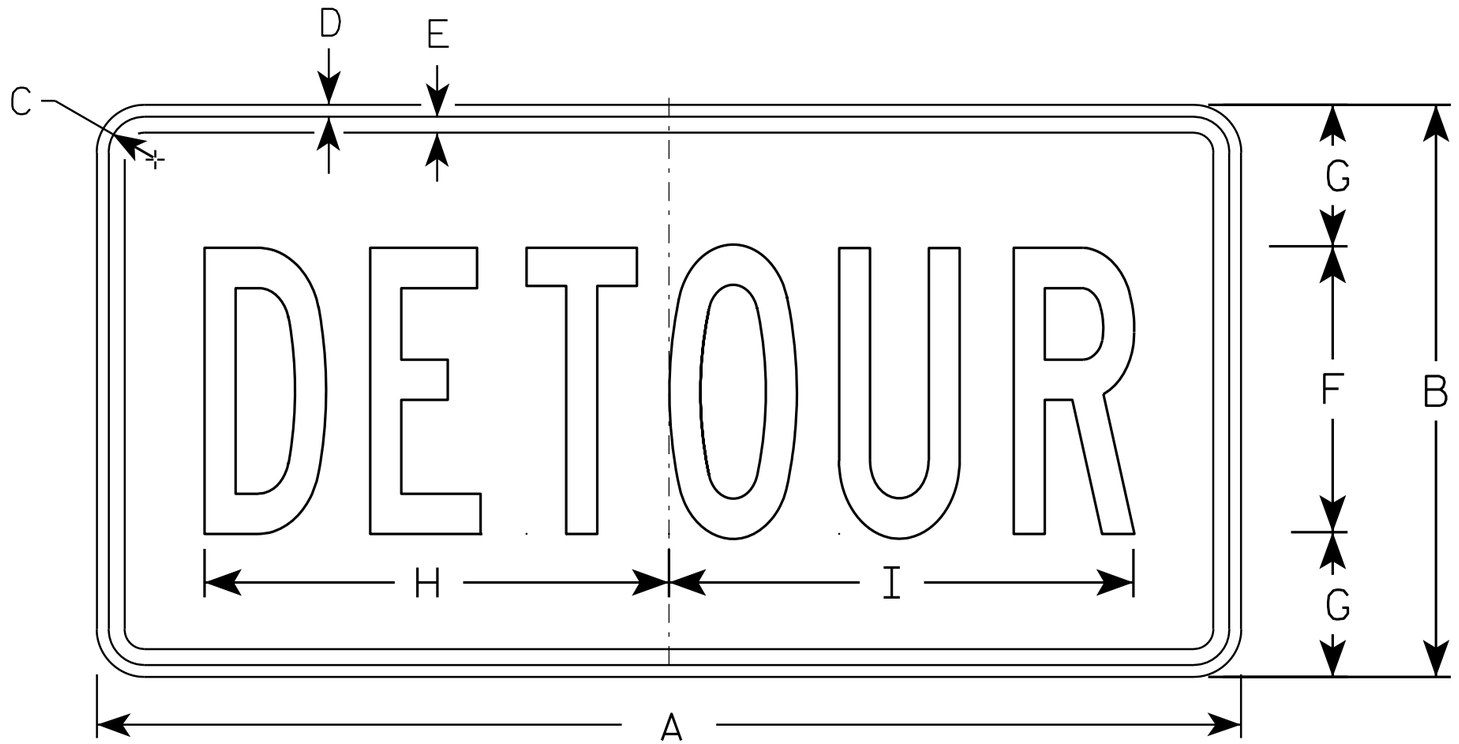
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

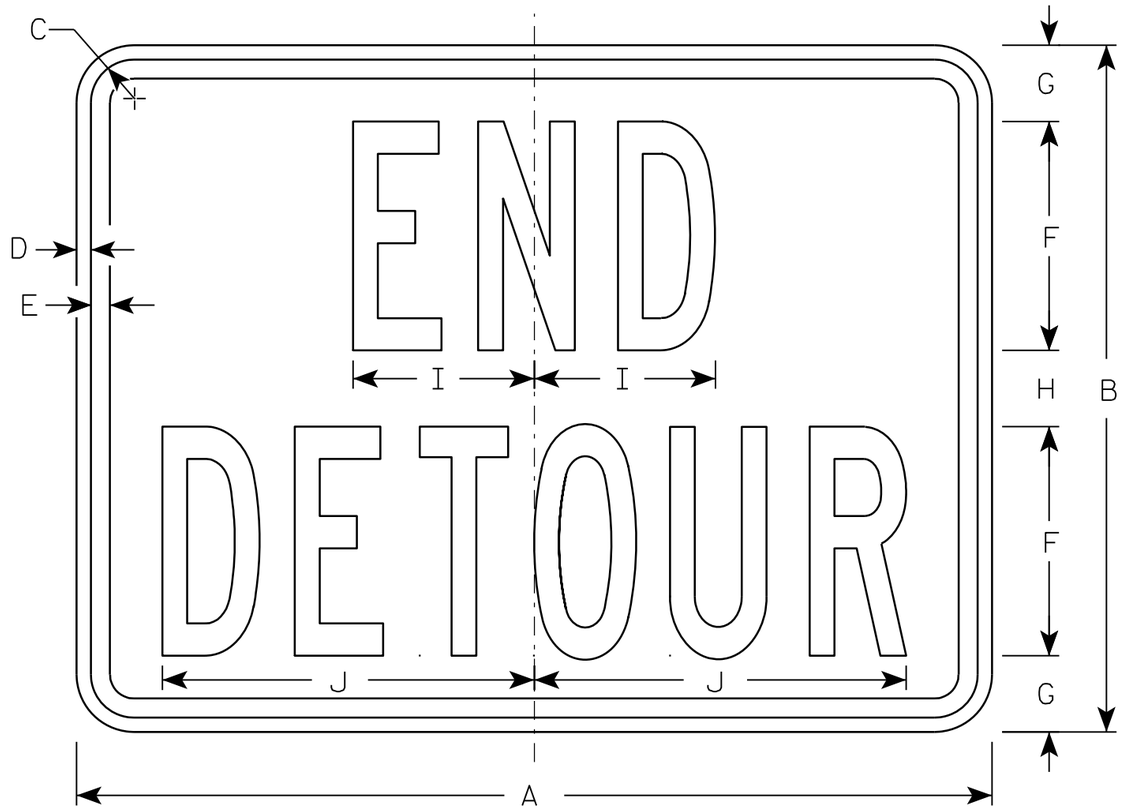
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 306	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

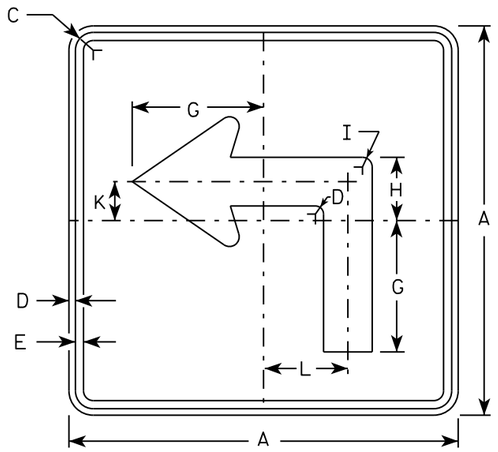
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

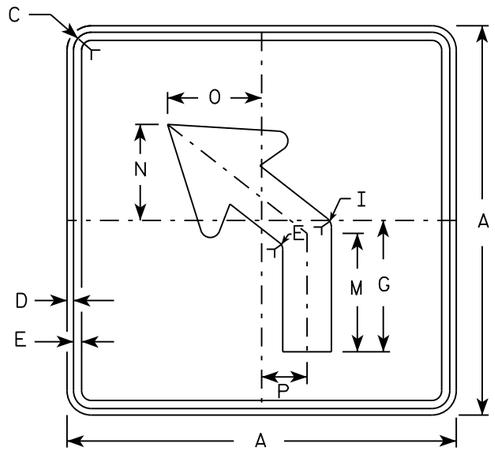
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

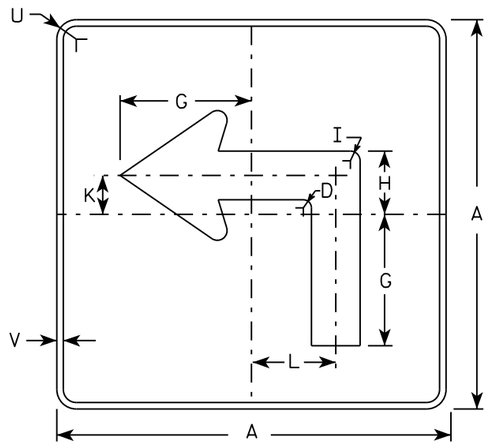
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 307	E



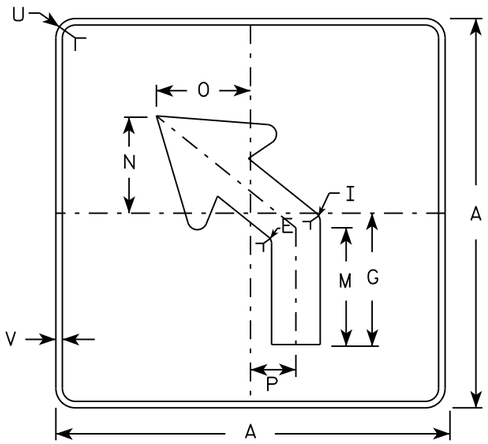
M5-1L
MM5-1L
MO5-1L
MP5-1L



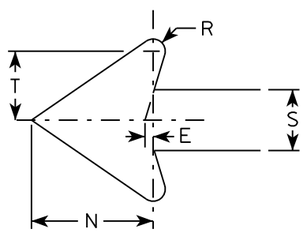
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

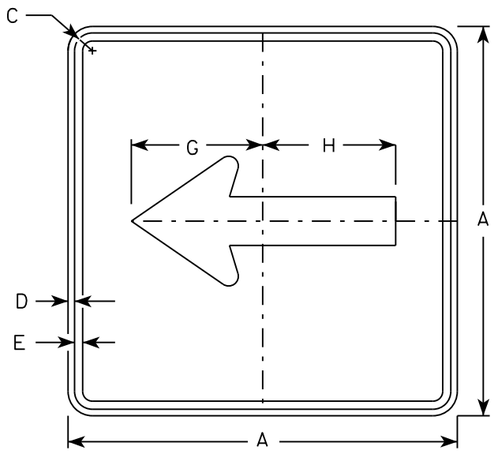
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

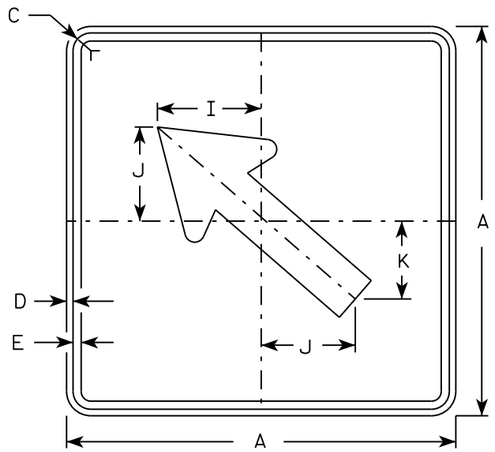
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



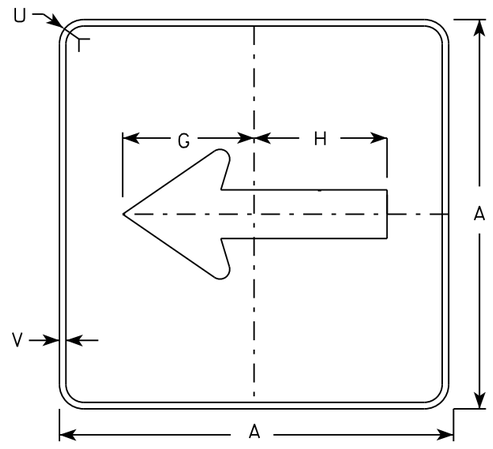
M6-1
MM6-1
MO6-1
MP6-1



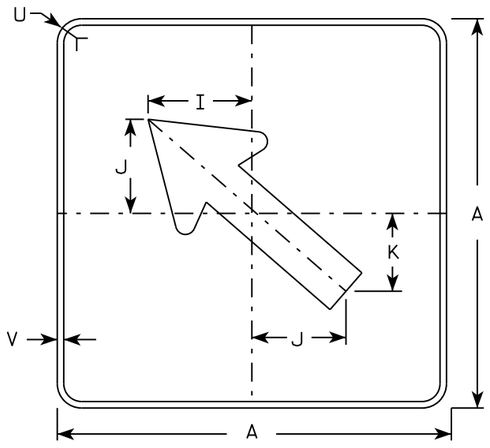
M6-2
MM6-2
MO6-2
MP6-2

NOTES

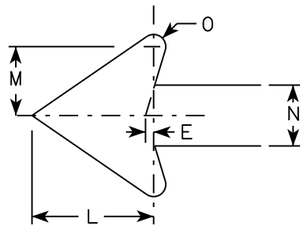
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

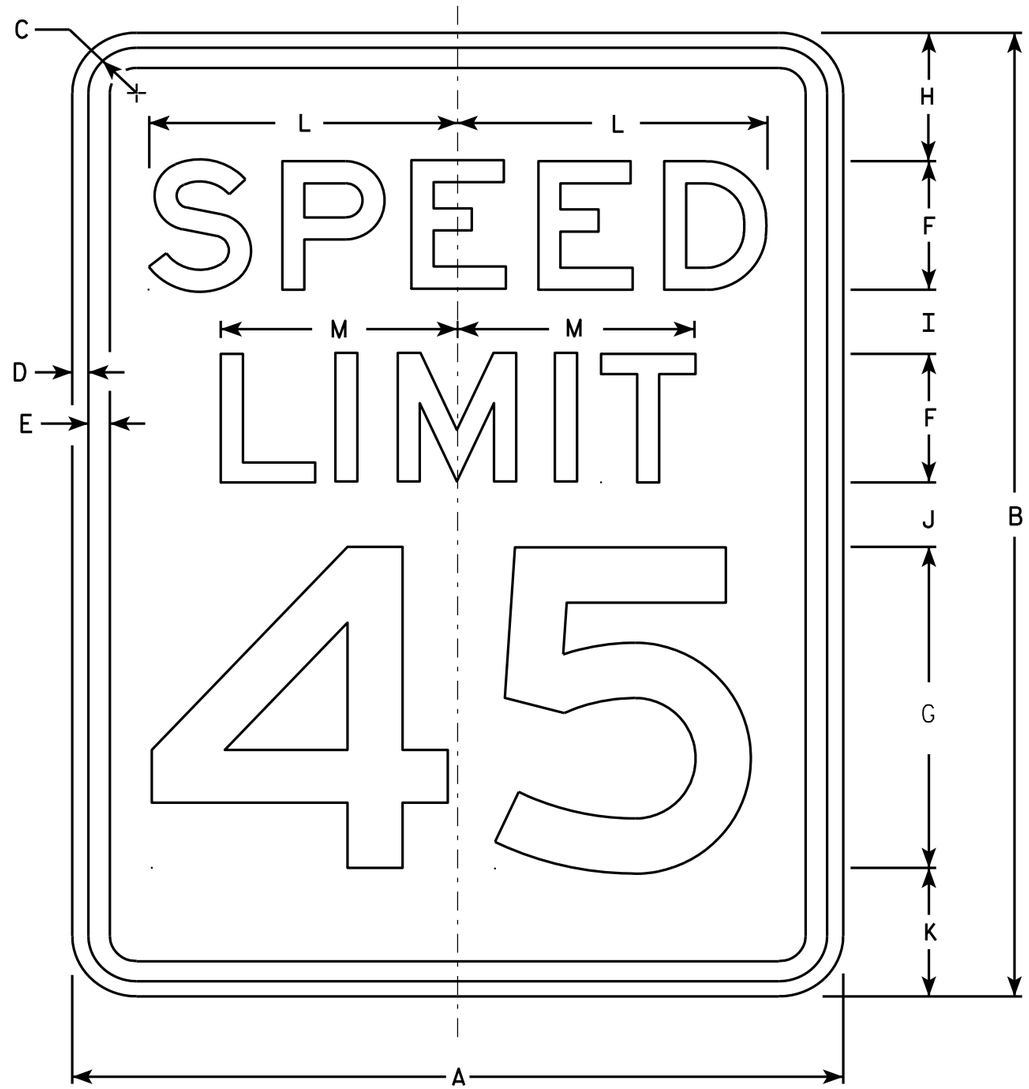
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 309 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

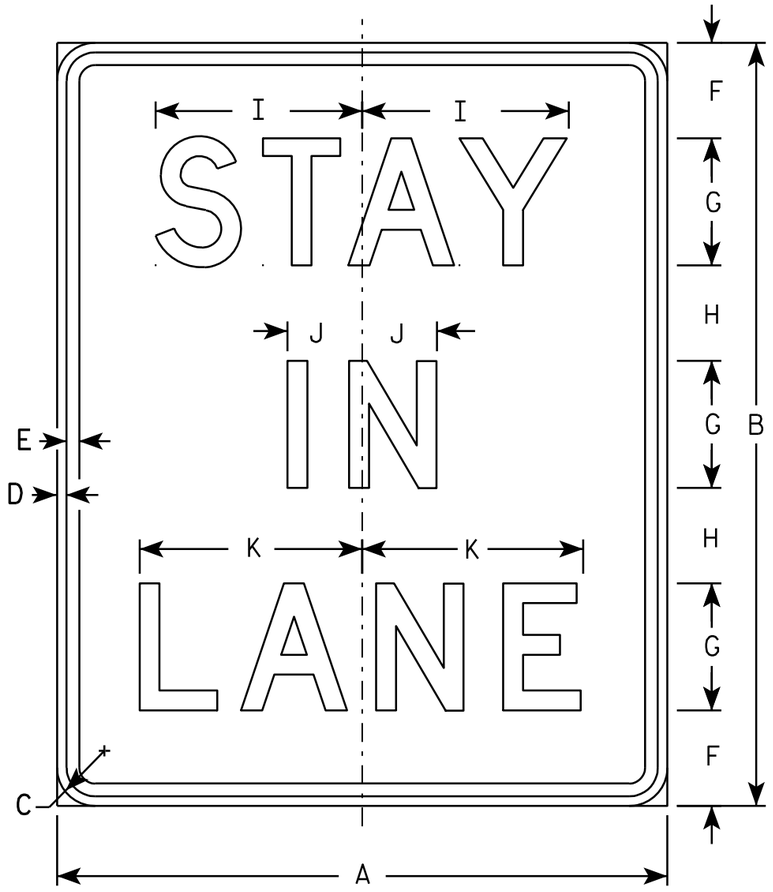
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 310 | E



R4-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	3/8	3	4	3	6 1/2	2 3/8	7																3.0
2S	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
2M	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
3	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
4	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
5	48	60	2 1/4	3/4	1	7 1/2	10	7 1/2	16 1/4	5 7/8	17 1/2																20.0

STANDARD SIGN
R4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-9.2

PROJECT NO:

SHEET NO: 311 E

R8-53

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	16 3/4	8	1 3/4	15 3/4													12.0
5	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	16 3/4	8	1 3/4	15 3/4													12.0

STANDARD SIGN
R8-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2011 PLATE NO. R8-53.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 312	E

R8-54

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	16 3/4	10 1/2	1	16 1/2													12.0
5	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	16 3/4	10 1/2	1	16 1/2													12.0

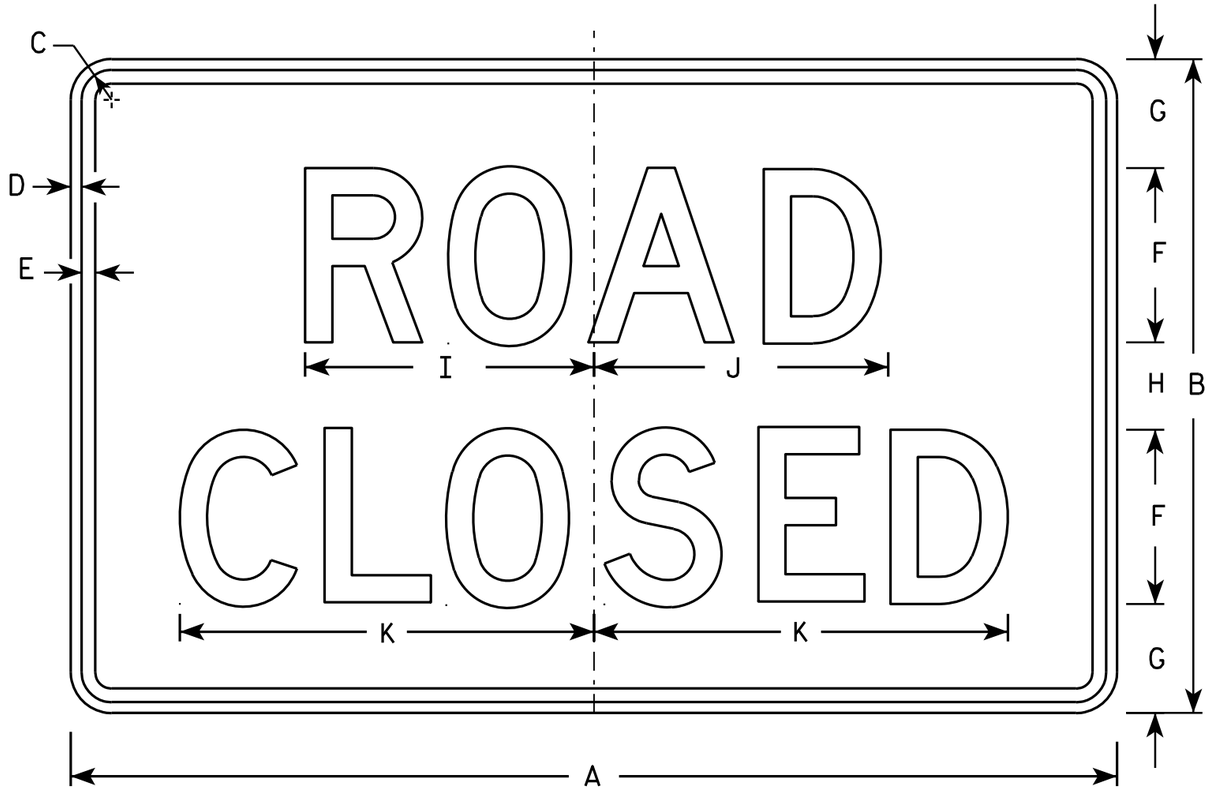
STANDARD SIGN
R8-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2011 PLATE NO. R8-54.4

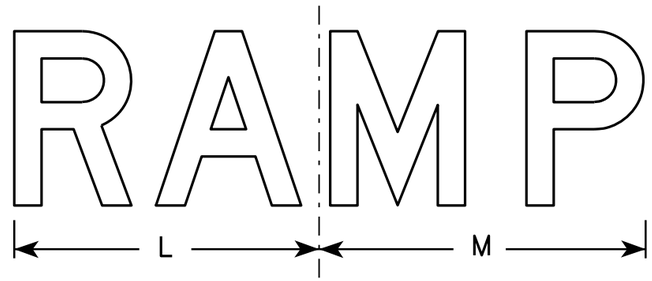
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 313 | E



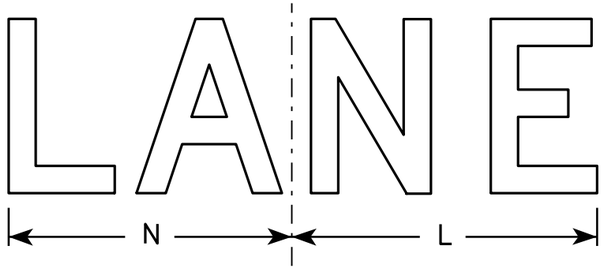
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

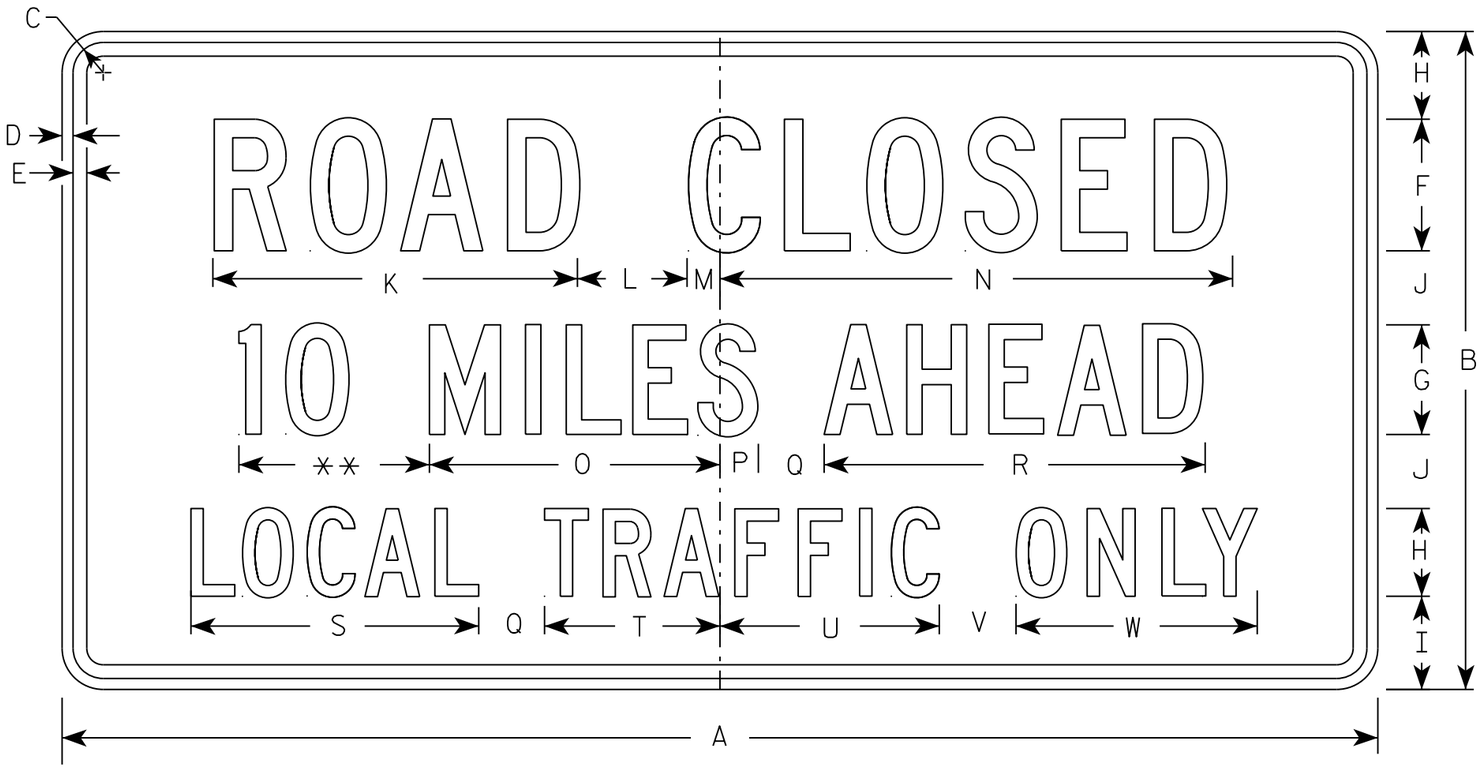
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 314	E

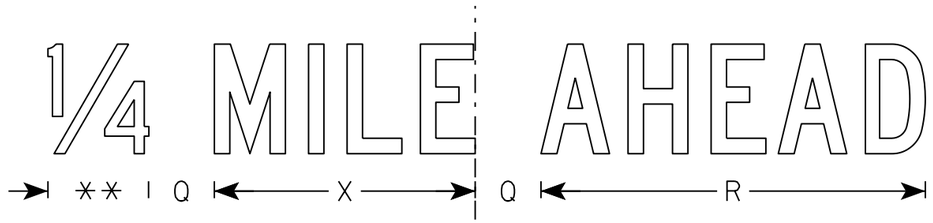
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4	7 1/8			4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
3																											
4																											
5																											

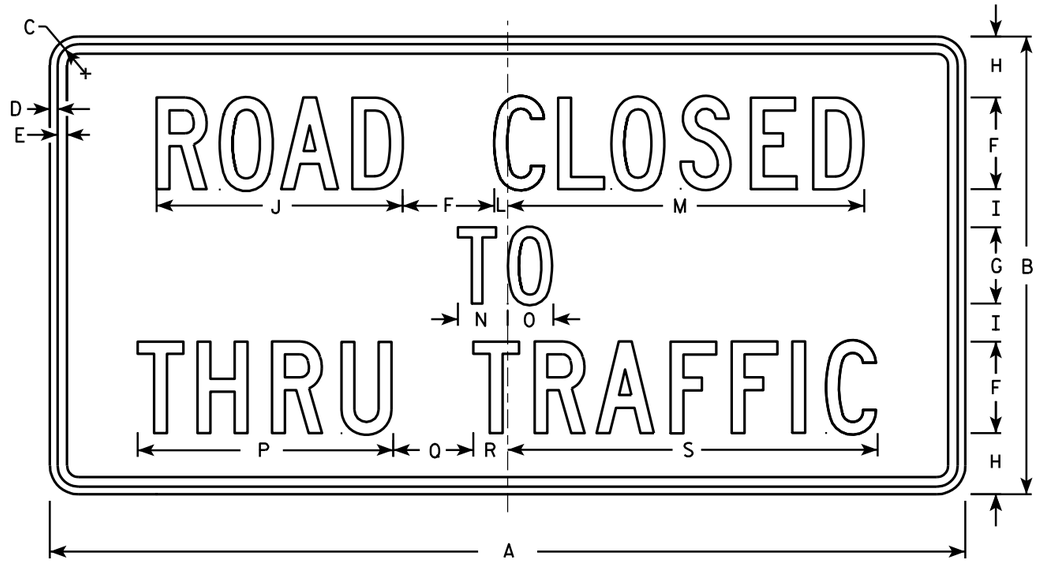
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/17 PLATE NO. R11-3.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 315	E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

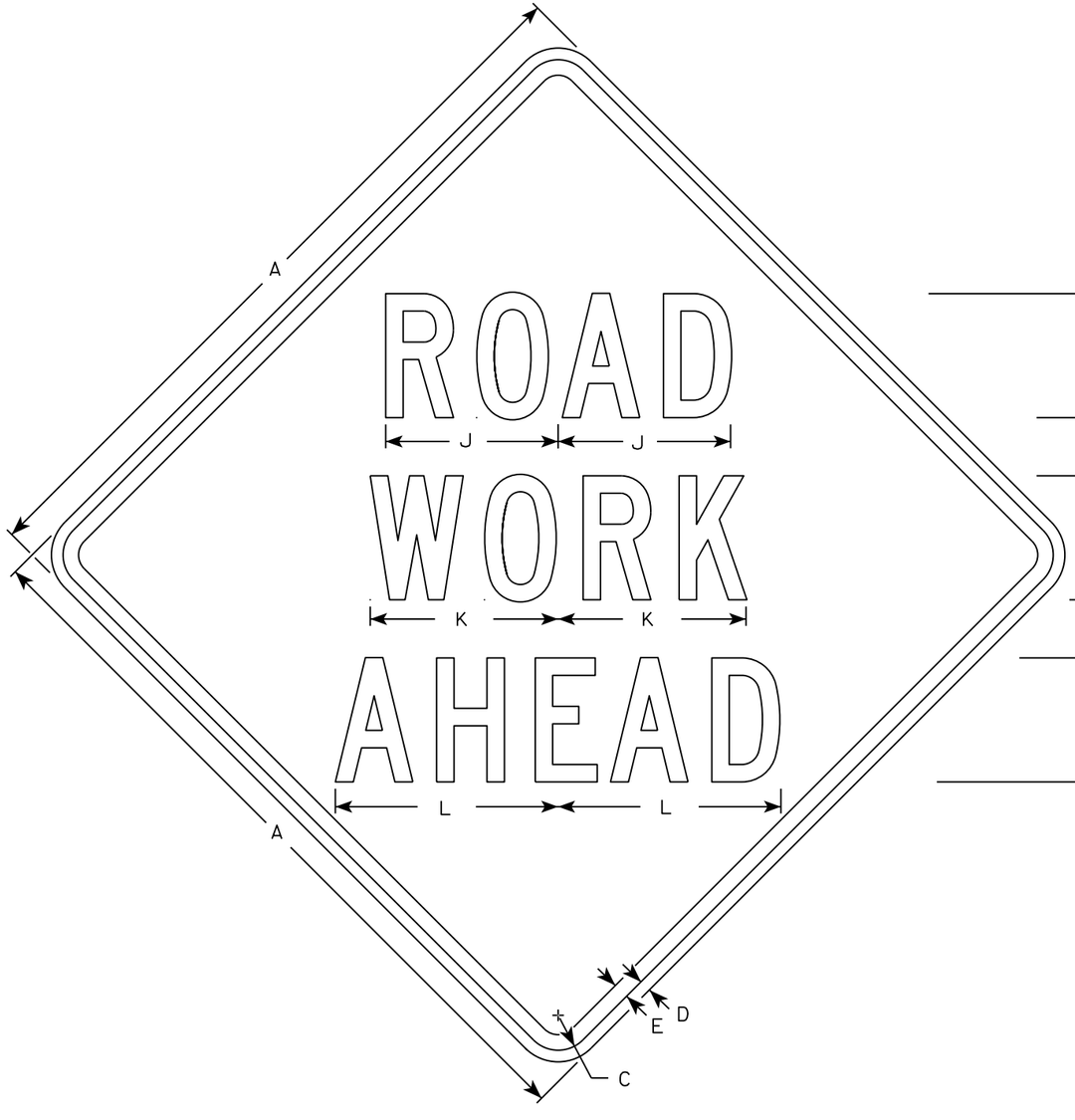
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

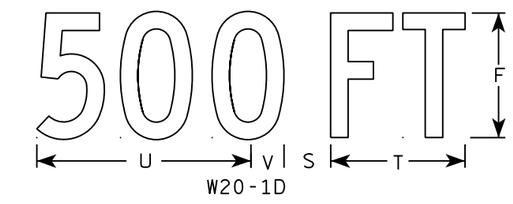
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

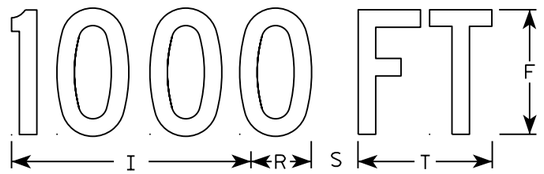
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 316 | E



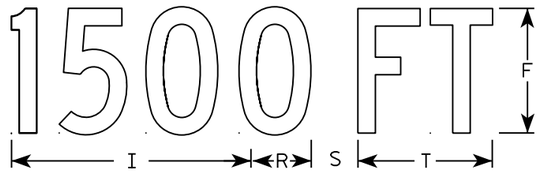
W20-1A



W20-1D

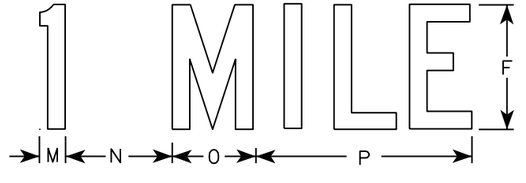


W20-1C

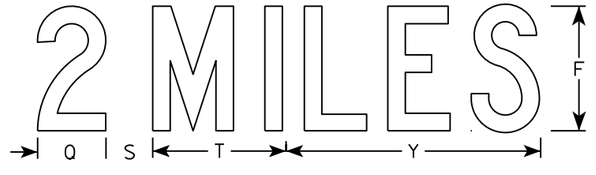


W20-1B

W20-1G



W20-1F



W20-1E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

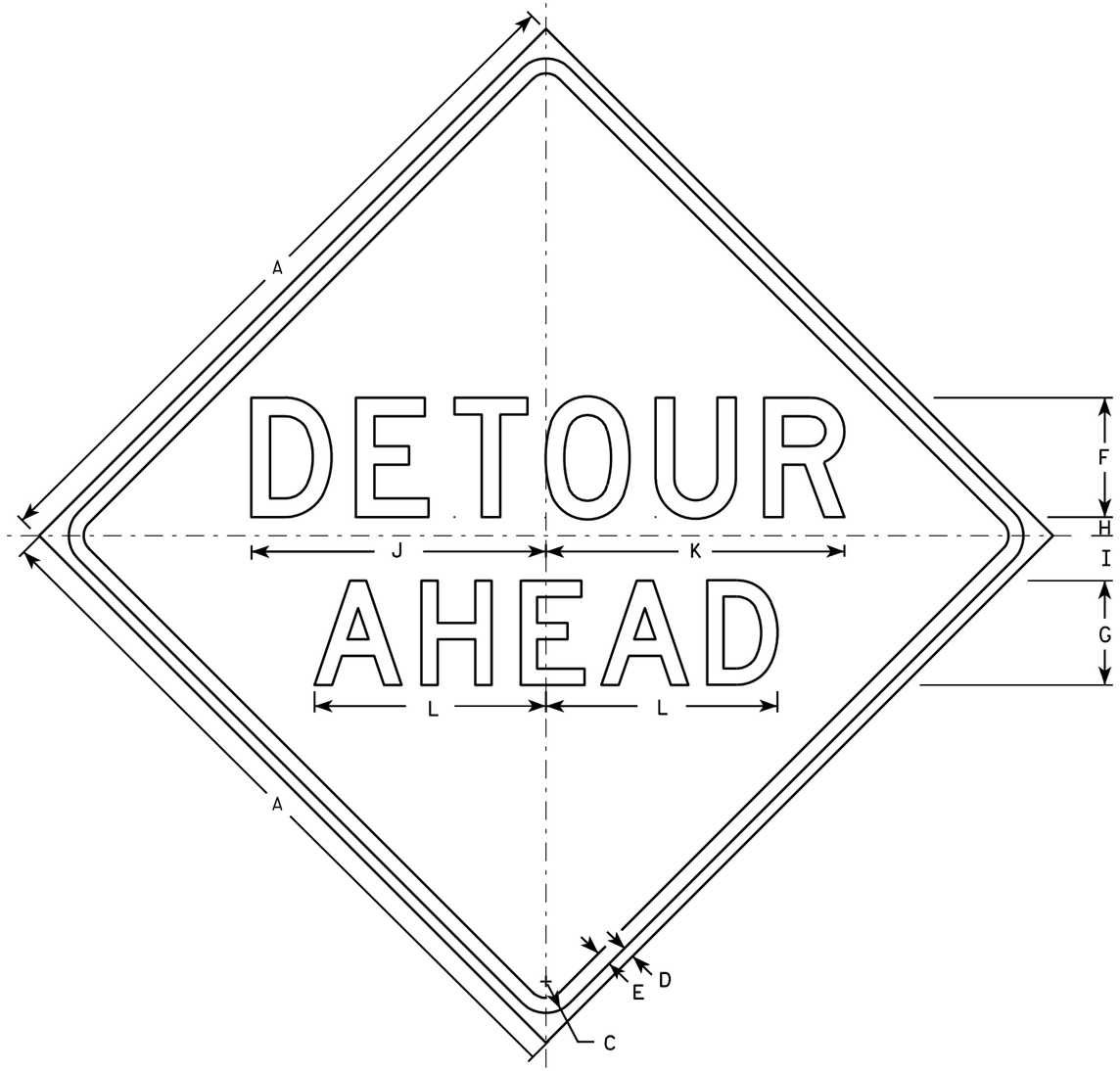
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/07/15 PLATE NO. W20-1.10

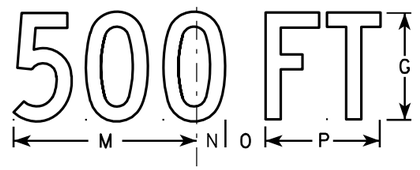
PROJECT NO:

SHEET NO: E

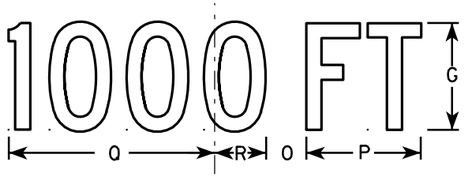
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



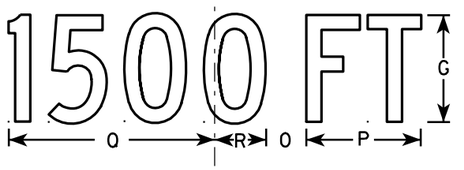
W20-2A



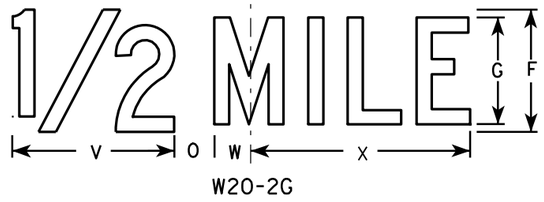
W20-2D



W20-2C



W20-2B



W20-2G

W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

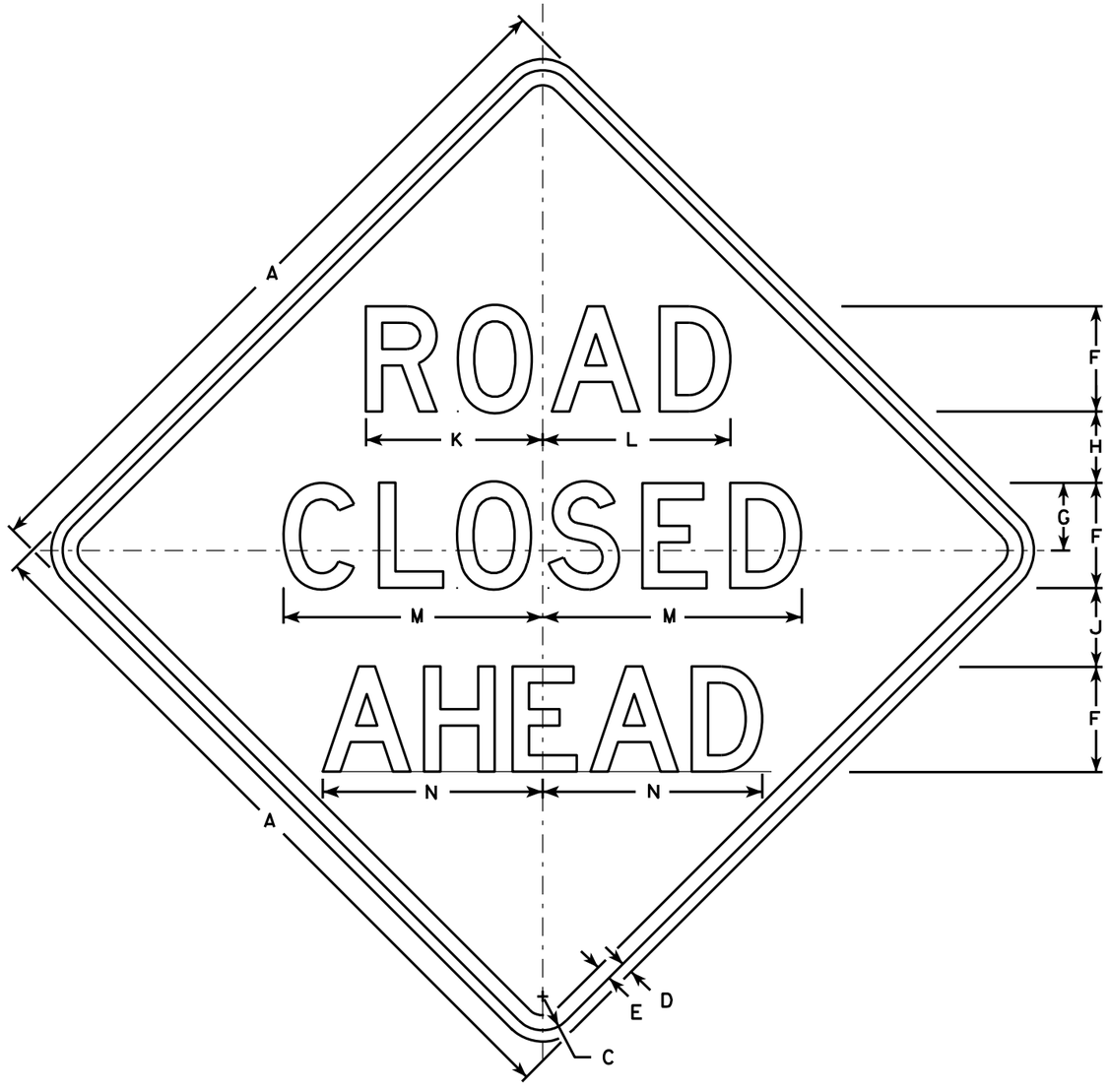
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

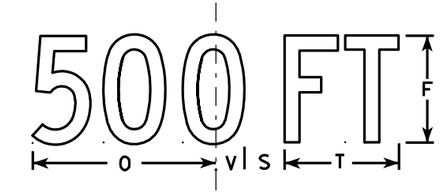
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

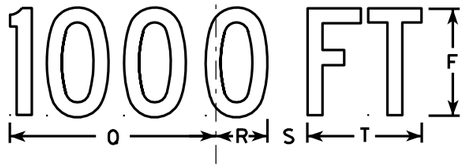
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 318	E



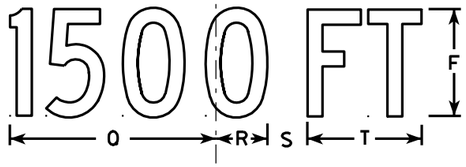
W20-3A



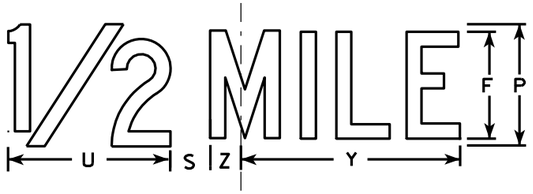
W20-3D



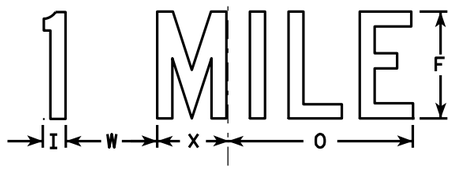
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 319 | E

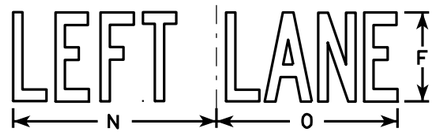
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000

WISDOT/CADDS SHEET 42

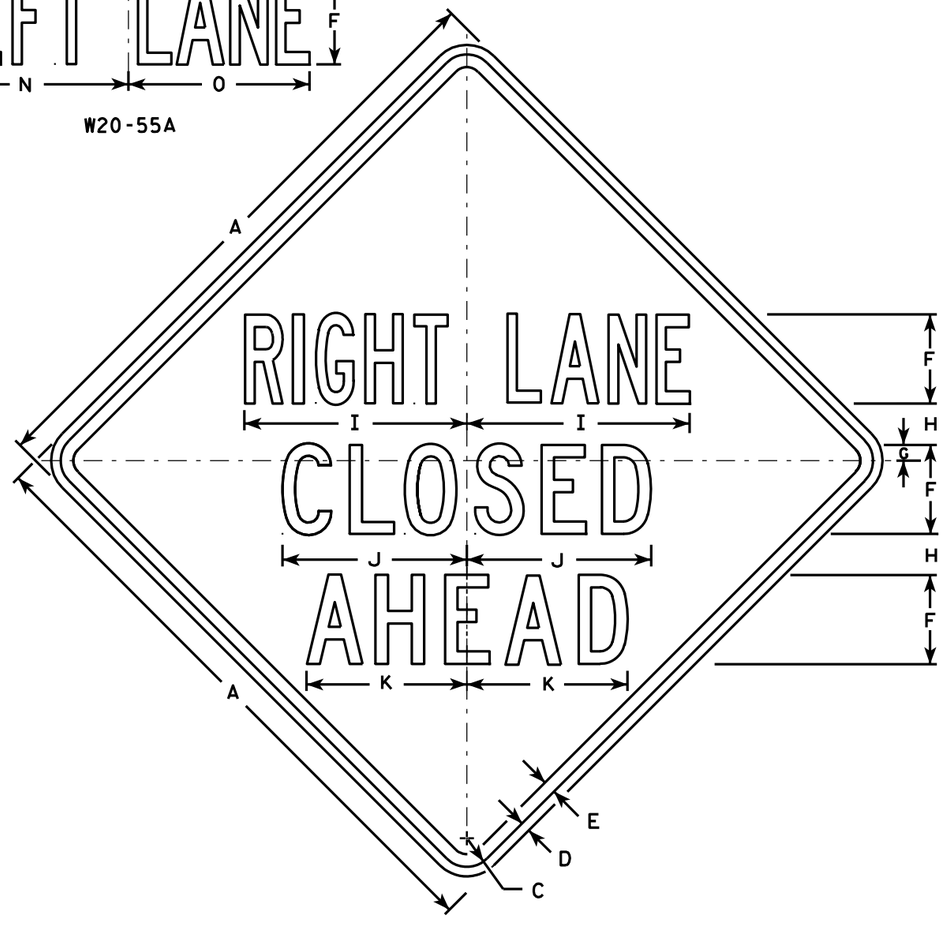
7

7

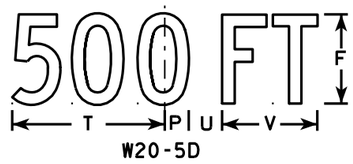
W20-56A



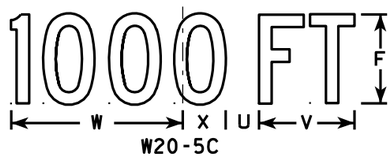
W20-55A



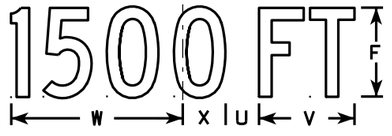
W20-5A



W20-5D



W20-5C



W20-5B

W20-5G

W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

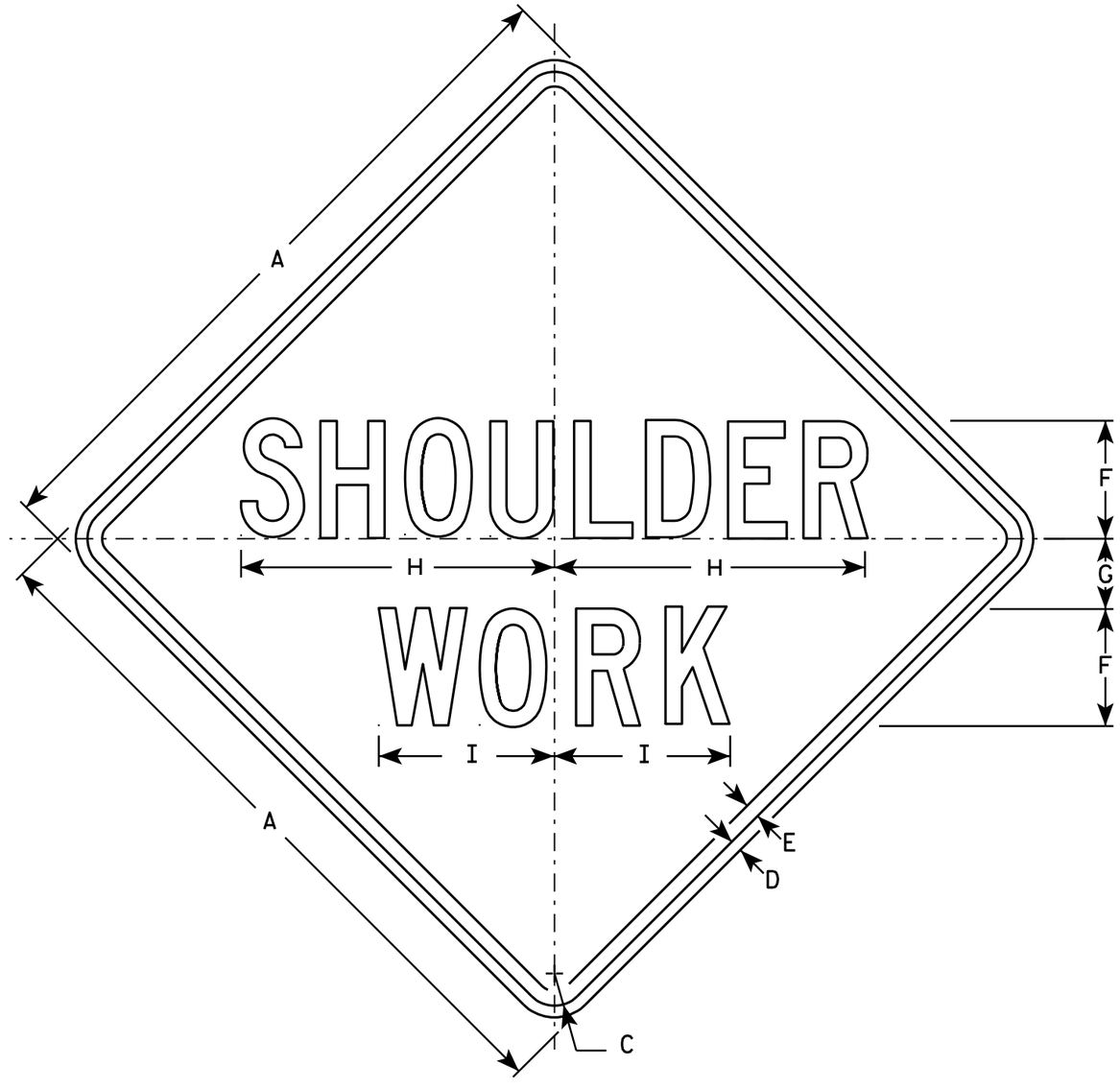
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 320 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W21-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	4	2 1/2	10 3/4	6																		4.0
2S	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
2M	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
3	36		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
4	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0

STANDARD SIGN
W21-5

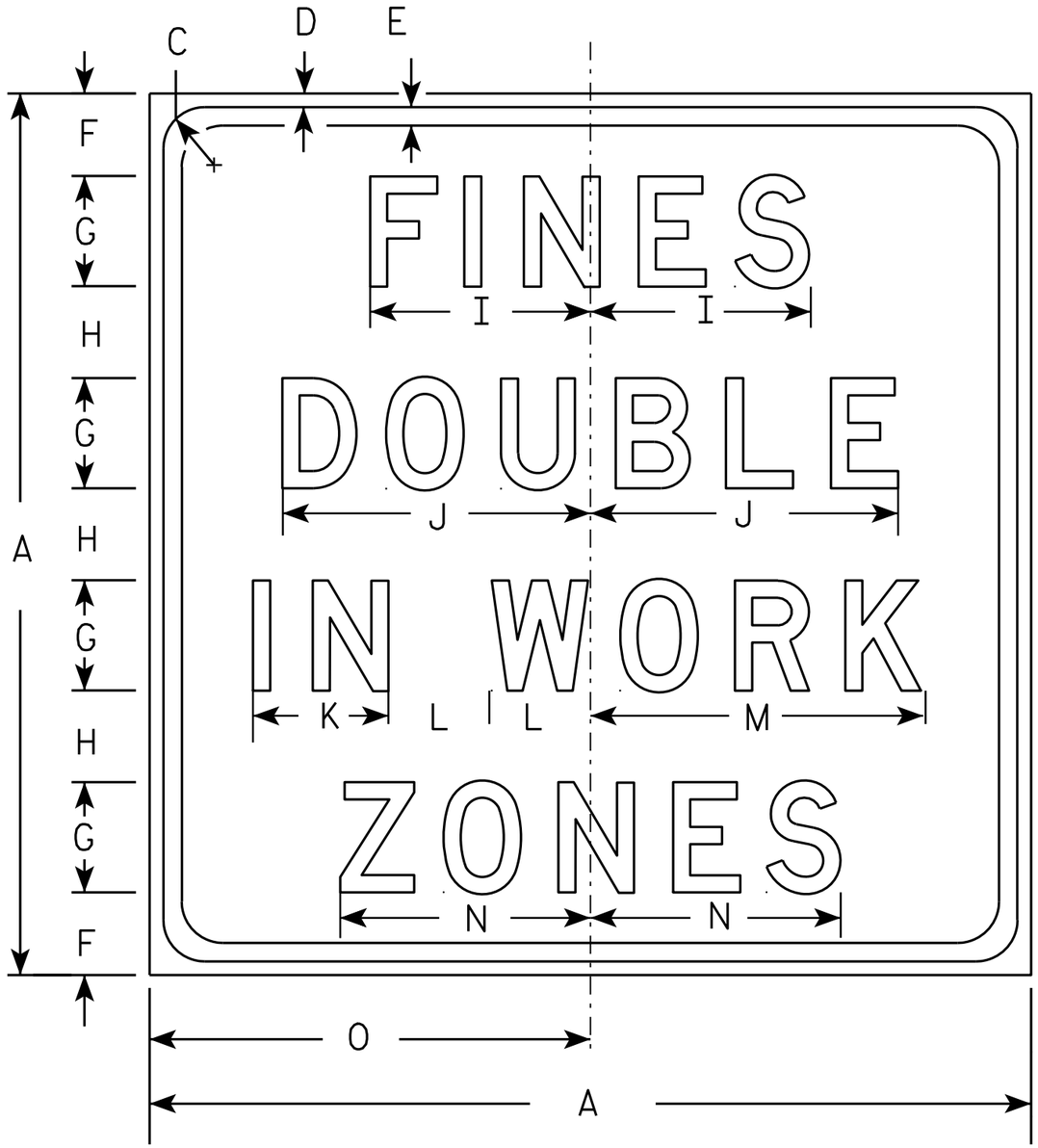
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 321 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W215.DGN PLOT DATE : 21-MAR-2011 08:01 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.207338:1.000000
WISDOT/CADDS SHEET 42



W21-61

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	2 1/4	3	2 1/2	6	8 3/8	3 3/4	2 3/4	9 1/8	6 7/8	12												4.0
2S	36		1 5/8	5/8	3/4	3 3/8	4 1/2	3 3/4	9	12 5/8	5 1/2	4 1/8	13 3/4	10 1/4	18												9.0
2M	36		1 5/8	5/8	3/4	3 3/8	4 1/2	3 3/4	9	12 5/8	5 1/2	4 1/8	13 3/4	10 1/4	18												9.0
3	48		2 1/4	3/4	1	4 1/2	6	5	12	16 3/4	7 3/8	5 1/2	18 1/4	13 5/8	24												16.0
4																											
5																											

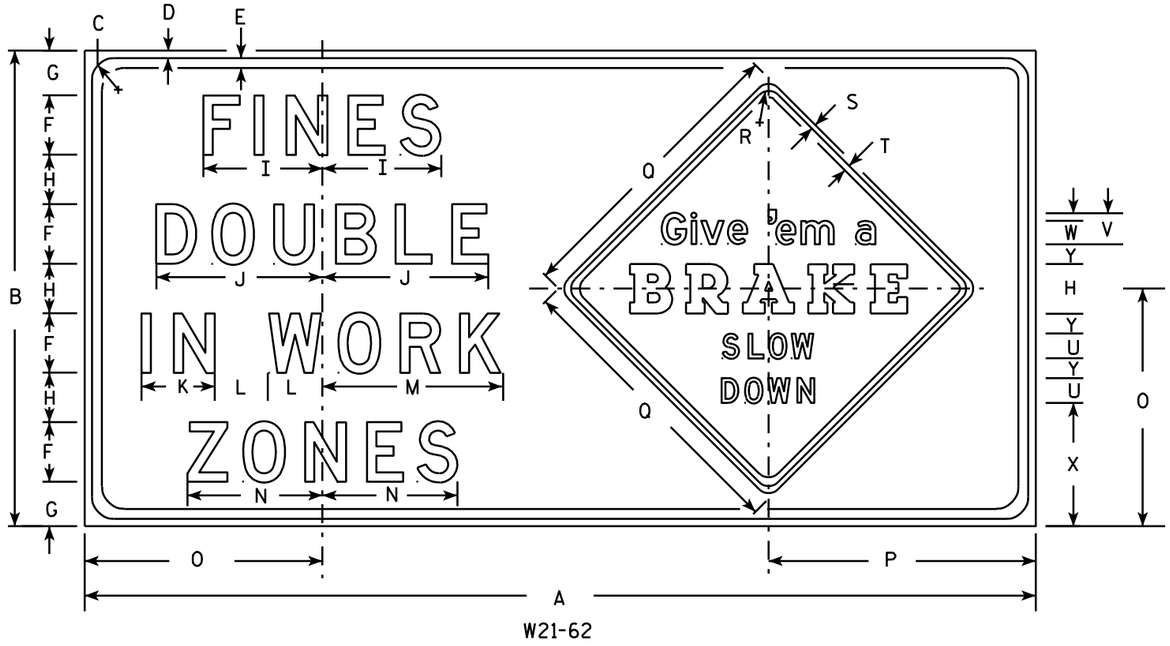
STANDARD SIGN
W21-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-61.4

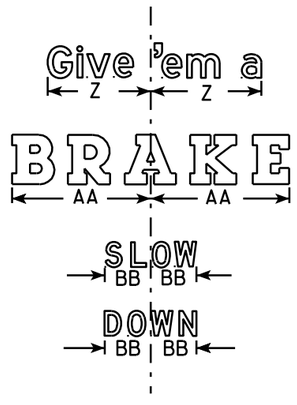
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 322	E



W21-62

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White - (See Note 5)
   Message - Black
3. Message Series -
   Fines Double Message - All lines are Series D
   Give 'em a Brake -
   Line one is Series E, line two is a Special Graphic Series and lines three and four are Series D.
4. The base material shall be plywood. Corners may be square or rounded, but borders shall be rounded as shown. The base material for Give 'em a Brake sign can be a seperate sheet of aluminum with the corners and borders rounded as shown. This seperate panel shall then be attached to the plywood with aluminum or stainless steel sheet metal screws.
5. Background for the Give 'em a Brake sign shall be Type F reflective orange.



W21-62P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	Area sq. ft.
1																															
2S																															
2M																															
3	96	48	2 1/4	3/4	1	6	4 1/2	5	12	16 3/4	7 3/8	5 1/2	18 1/4	13 5/8	24	27	30	1 3/8	1/2	5/8	2 1/2	3 1/8	2 3/8	12 1/2	2	10 3/4	14	4 5/8	34 1/2	4	32.0
4																															
5																															

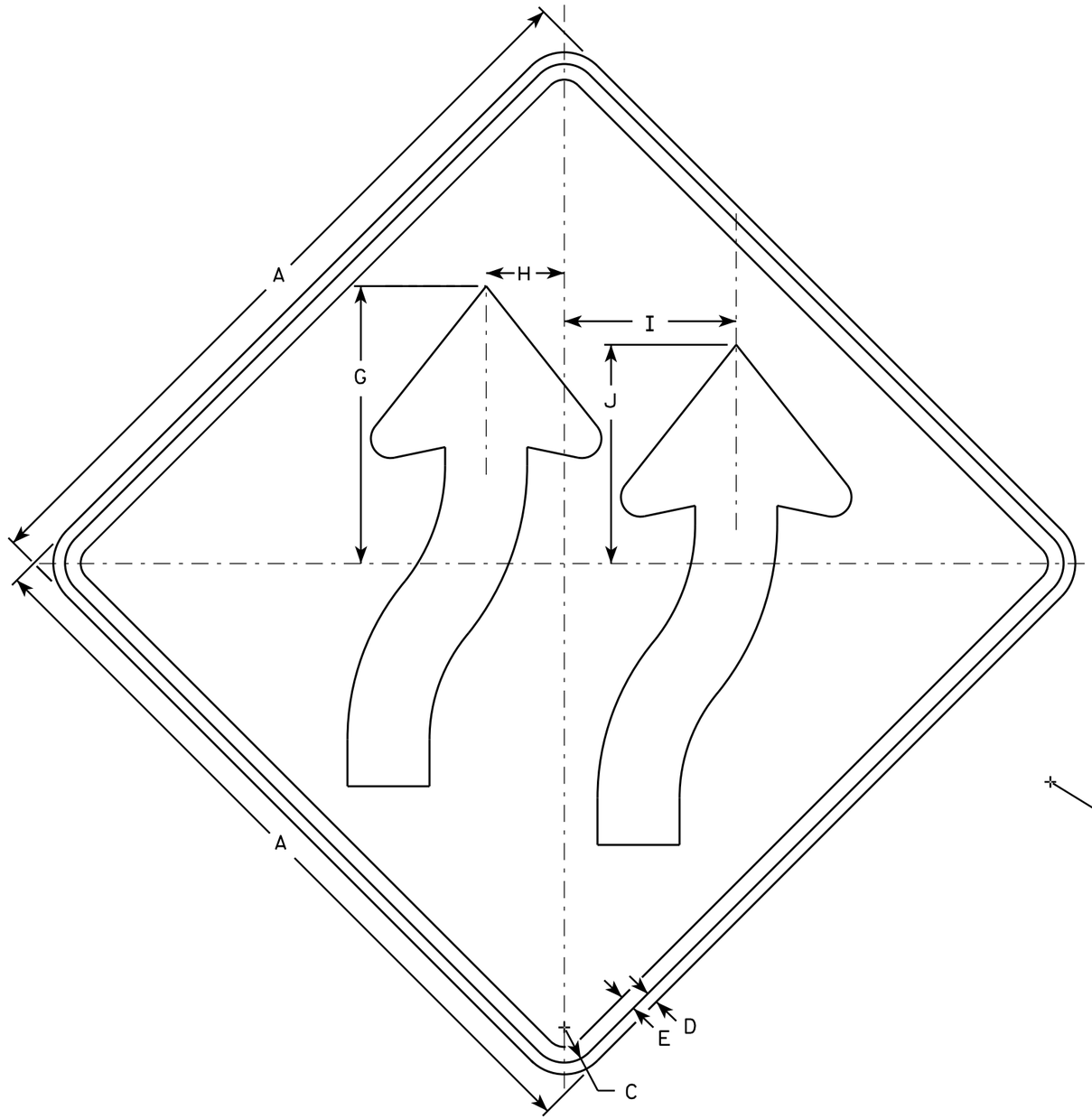
STANDARD SIGN
W21-62

WISCONSIN DEPT OF TRANSPORTATION

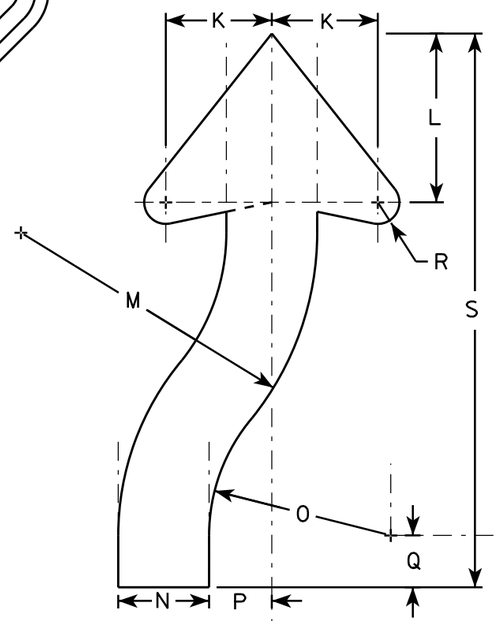
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-62.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 323	E



W01-4bR



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4bL is the same as W014-bR exept arrows are reversed along the vertical centerline

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		13 3/8	3 3/4	8 1/4	10 1/2	4 5/8	7 3/8	12 7/8	3 7/8	7 7/8	2 3/4	2 1/4	7/8	24								9.0
2S	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
2M	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
3	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
4	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
5	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0

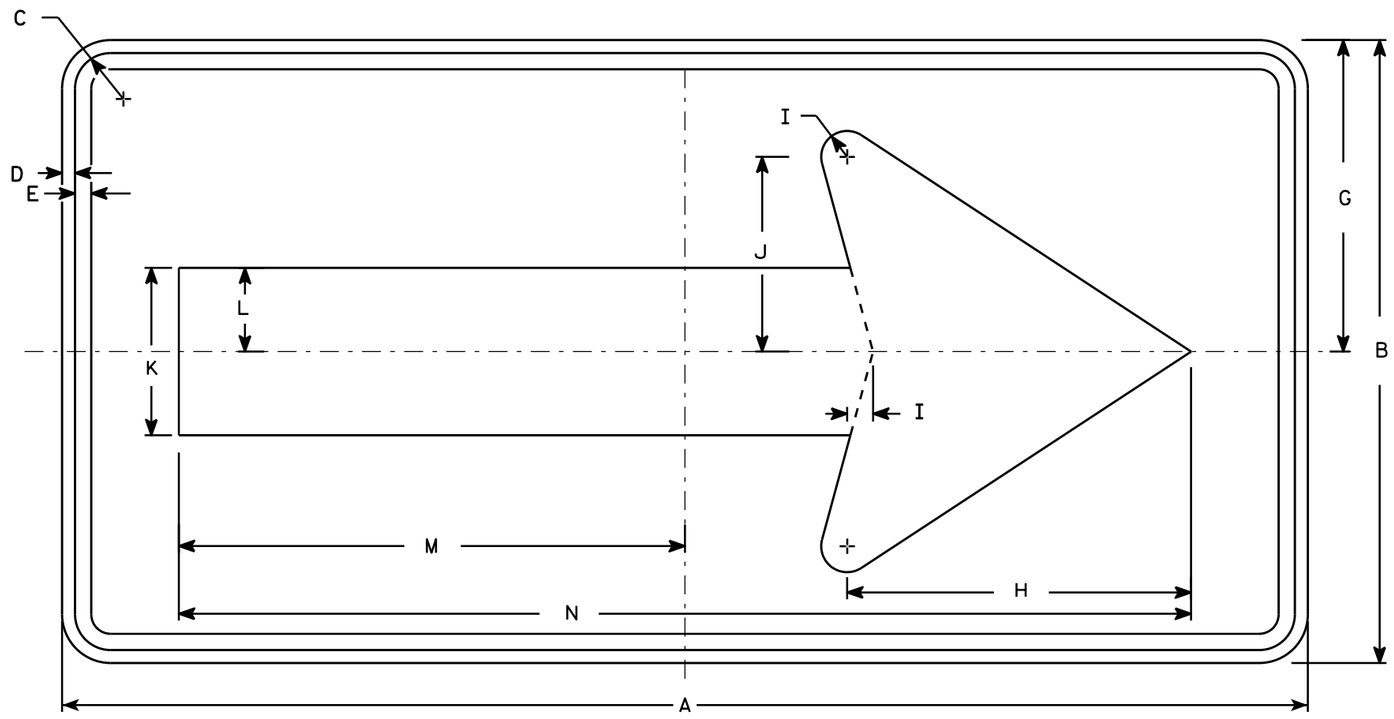
STANDARD SIGN
W01-4b

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-4b.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

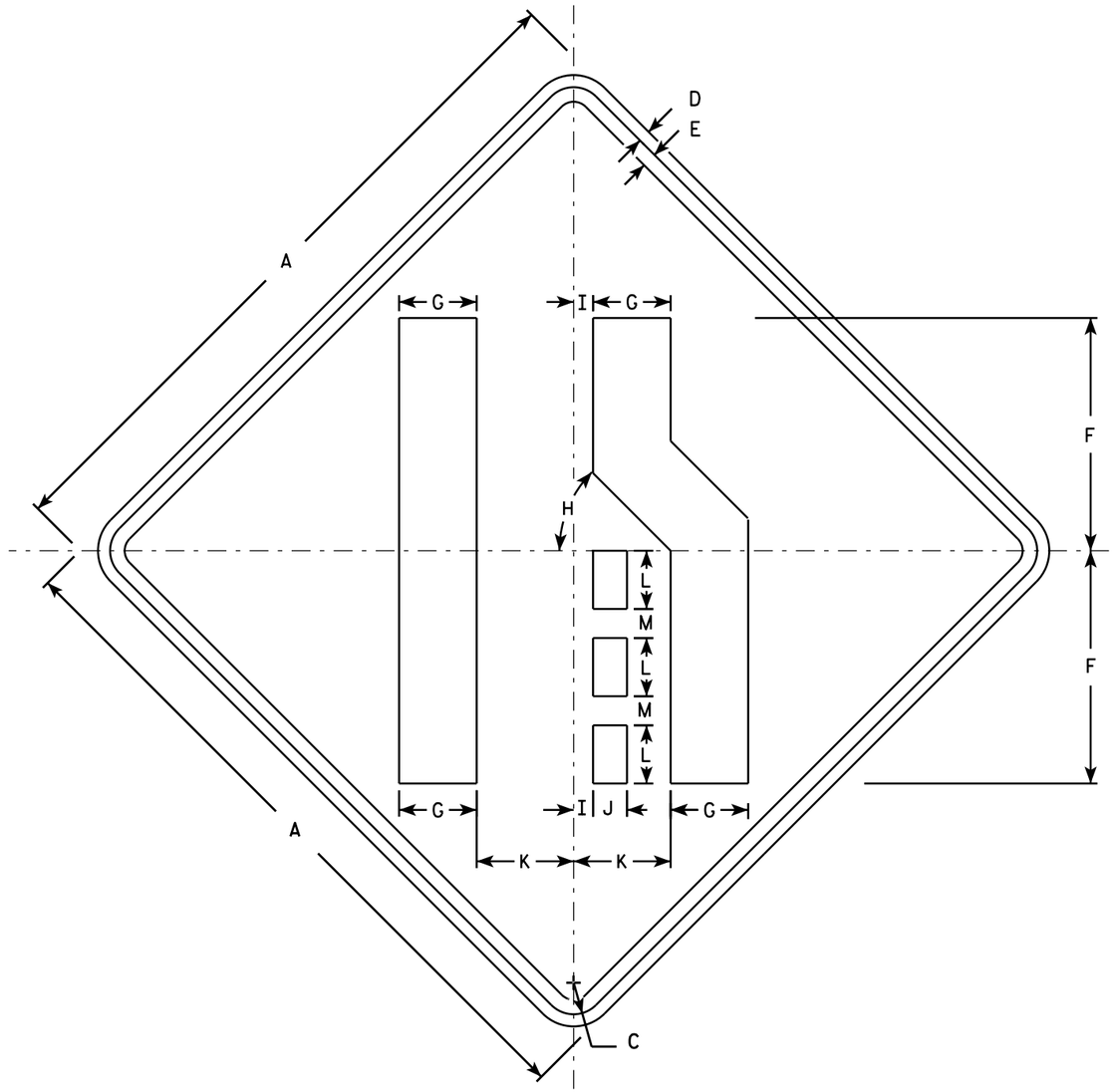
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

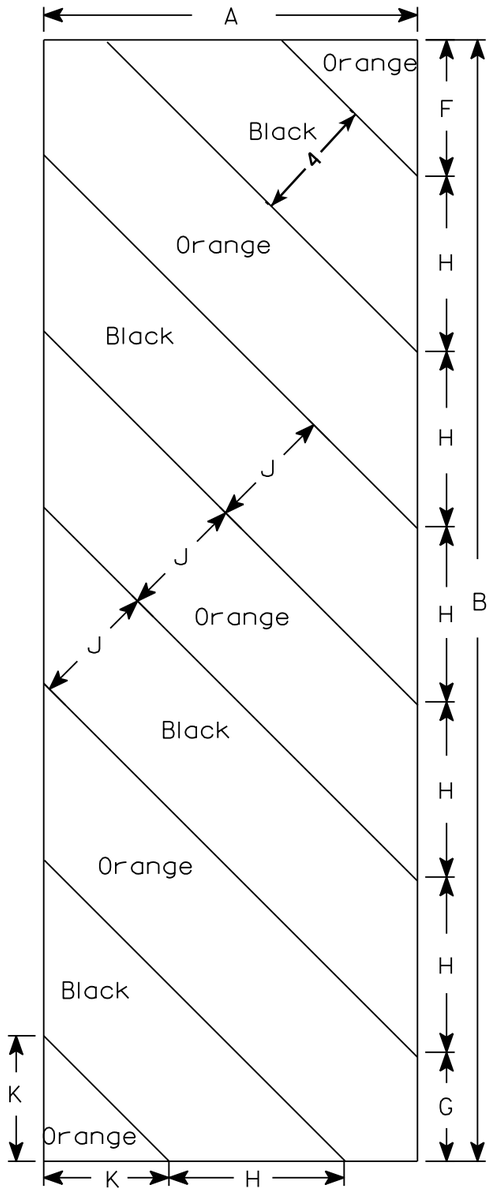
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

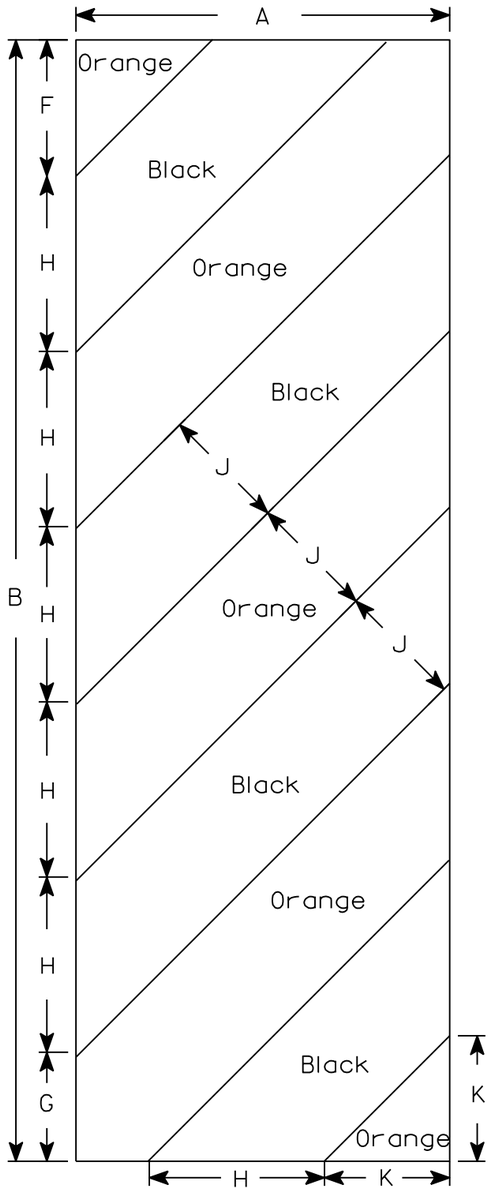
DATE 11/20/13 PLATE 326 W04-2.1

PROJECT NO: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W042.DGN PLOT DATE : 20-NOV-2013 11:43 PLOT BY : mscsja



W05-52L



W05-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

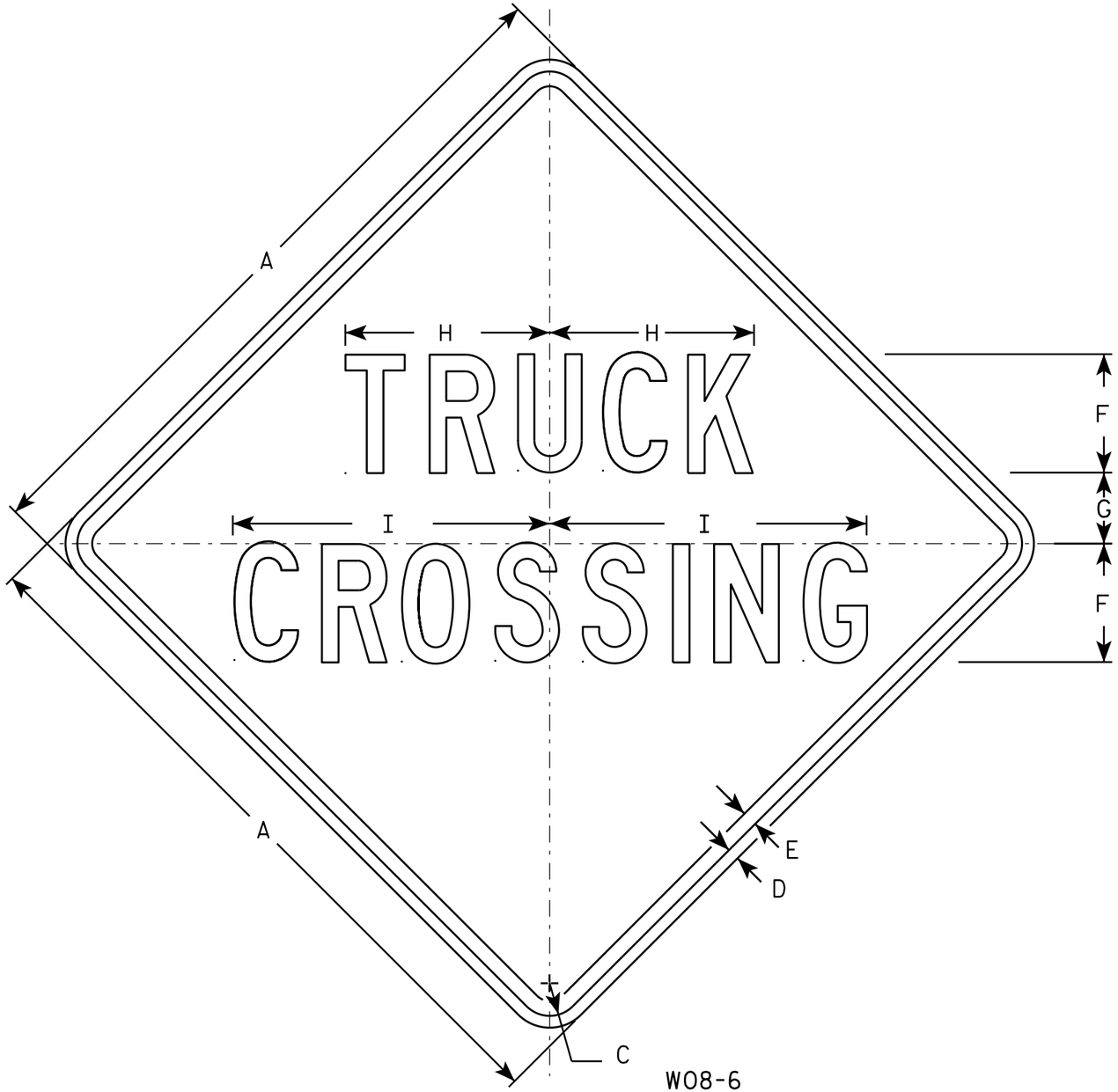
STANDARD SIGN
W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE No. W05-52.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W08-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3 1/2	10 3/8	16																		9.0
2S	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0
2M	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0
3	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0
4	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0

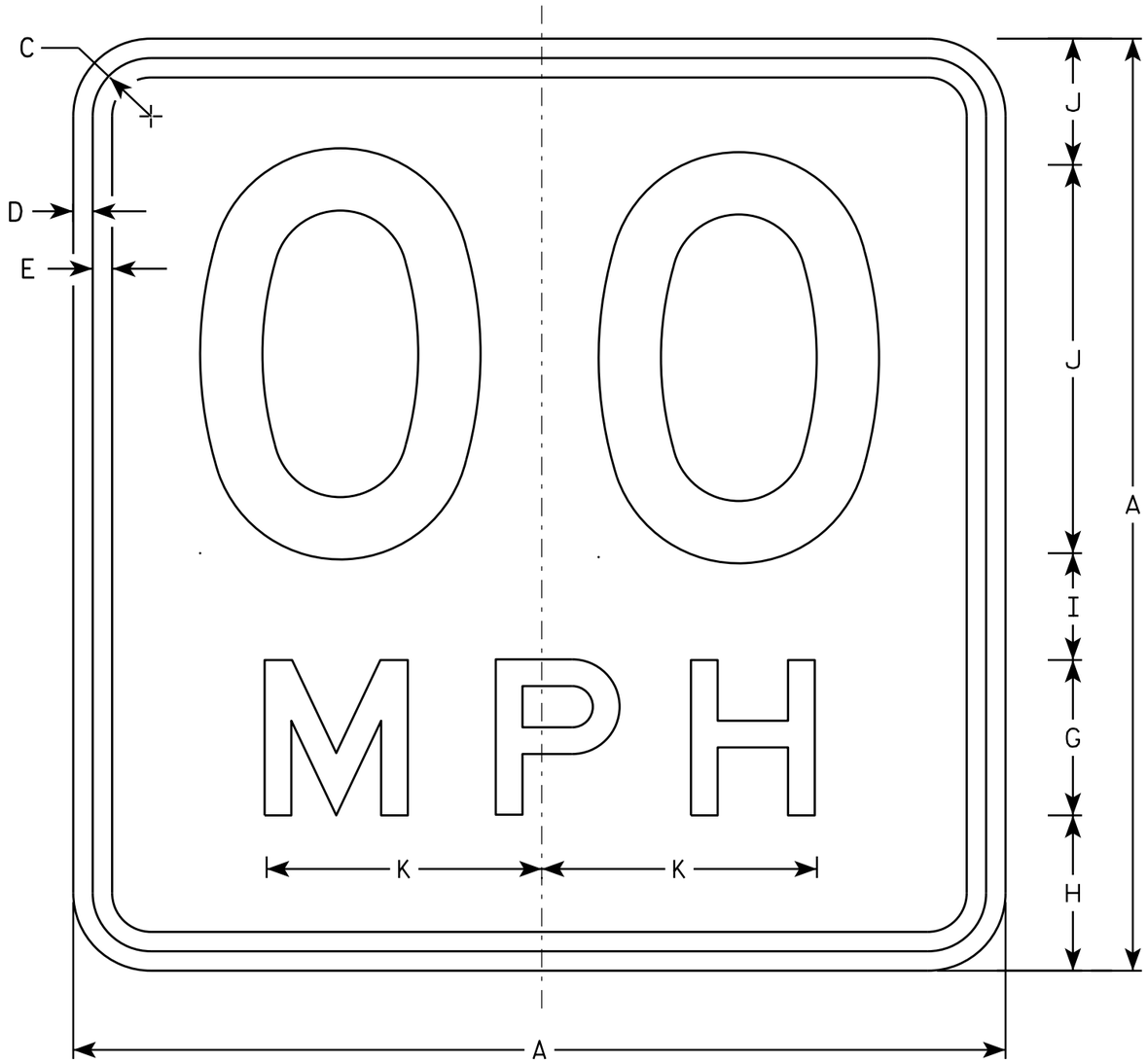
STANDARD SIGN
W08-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 328 W08-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W013-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
3	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

STANDARD SIGN
W013-1

WISCONSIN DEPT OF TRANSPORTATION

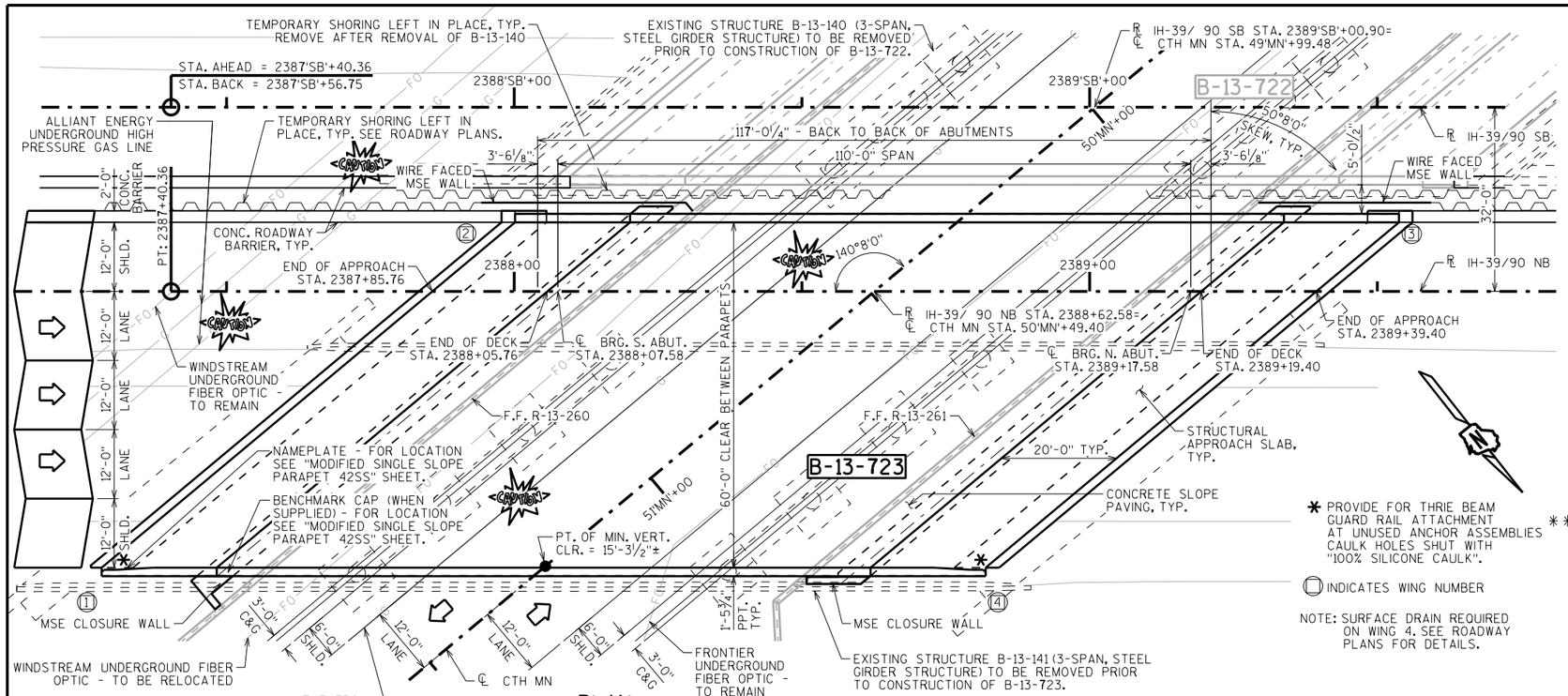
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/13 PLATE 329 W013-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

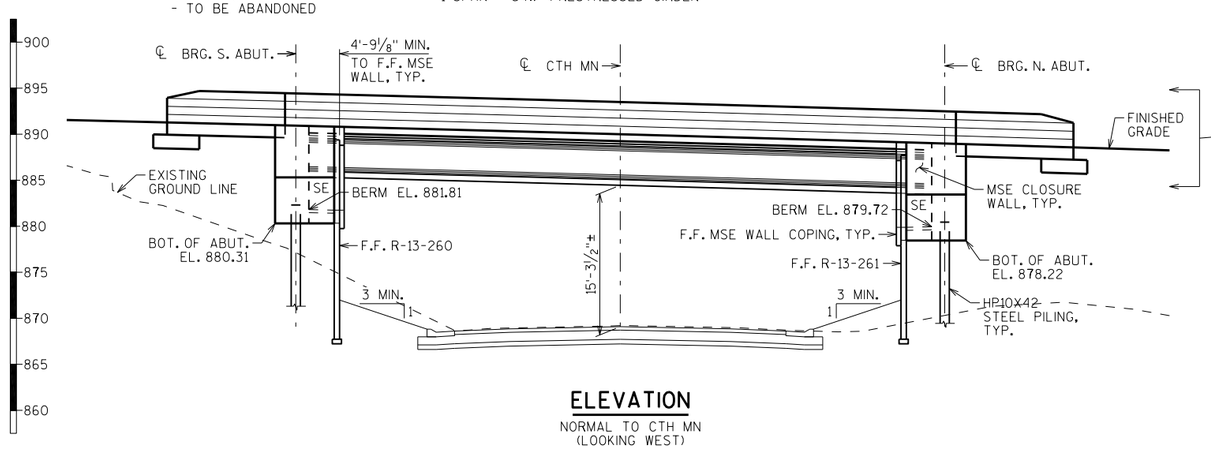
STATE PROJECT NUMBER

1007-11-76



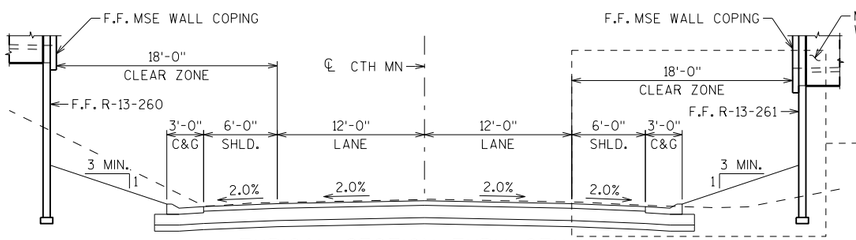
PLAN

1-SPAN - 54W" PRESTRESSED GIRDER



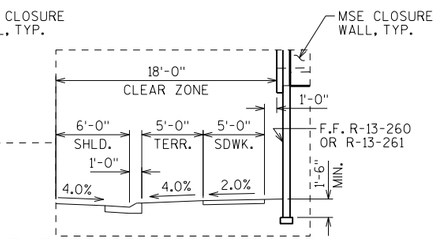
ELEVATION

NORMAL TO CTH MN
(LOOKING WEST)



TYPICAL SECTION THRU CTH MN

LOOKING WEST



FUTURE SECTION THRU CTH MN

LOOKING WEST
TYP. BOTH SIDES

* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

⬡ INDICATES WING NUMBER

NOTE: SURFACE DRAIN REQUIRED ON WING 4. SEE ROADWAY PLANS FOR DETAILS.

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=1.16
OPERATING RATING FACTOR: RF=1.50
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY
(HPC) DECK, PARAPET, DIAPHRAGMS, APPROACH SLAB ——— f'c = 4,000 P.S.I.
ALL OTHER (INCL. APPROACH SLAB FTG.) ——— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 ——— fy = 60,000 P.S.I.
BAR STEEL REINFORCEMENT STAINLESS, GRADE 60 ——— fy = 60,000 P.S.I.

54W" PRESTRESSED GIRDERS, CONCRETE MASONRY ——— f'c = 8,000 P.S.I.
STRANDS- 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP10X42 PILING
DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS ** PER PILE
AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED 30'-0" LONG AT SOUTH ABUTMENT.
ESTIMATED 40'-0" LONG AT NORTH ABUTMENT.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

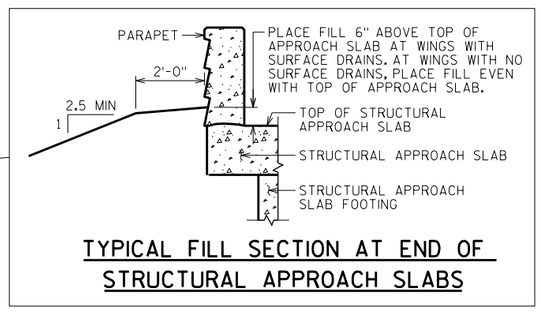
TRAFFIC DATA

IH-39/90 NB	CTH MN
A.D.T.=71,800 (2040)	A.D.T.=2,974 (2040)
R.D.S.=70 M.P.H.	R.D.S.=60 M.P.H.

CURVE DATA

IH-39/90 NB

P.I. = 2381+12.54
Δ = 15°44'23"
D = 1°14'44"
T = 635.83
L = 1263.66
R = 4600.00
S.E. = 4.0% MAX.
P.C. = 2374+76.71
P.T. = 2387+40.36



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS

STRUCTURE DESIGN CONTACTS:
ADAM SWIERCZEK (608) 267-4593
AARON BONK (608) 261-0261

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION
3. QUANTITIES & GENERAL NOTES
4. SUBSURFACE EXPLORATION
5. SOUTH ABUTMENT
6. SOUTH ABUTMENT DETAILS
7. NORTH ABUTMENT
8. NORTH ABUTMENT DETAILS
9. 54W" PRESTRESSED GIRDER DETAILS 1
10. 54W" PRESTRESSED GIRDER DETAILS 2
11. STEEL DIAPHRAGM
12. SUPERSTRUCTURE CROSS SECTION
13. SUPERSTRUCTURE PLAN
14. SUPERSTRUCTURE DETAILS
15. CONDUIT DETAILS
16. S. STRUCTURAL APPROACH SLAB
17. N. STRUCTURAL APPROACH SLAB
18. EAST MODIFIED SINGLE SLOPE PARAPET 42SS
19. WEST MODIFIED SINGLE SLOPE PARAPET 42SS
20. AESTHETIC DETAILS
21. ALTERNATE CONSTRUCTION JOINT

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 11/16/17
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-723

IH-39/90 NB OVER CTH MN

COUNTY	TOWN
DANE	PLEASANT SPRINGS

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
ABS	SAD	ABS	SAD

GENERAL PLAN

SHEET 1 OF 21

330

I.D. 1007-10-01M DATE: NOV. 2017

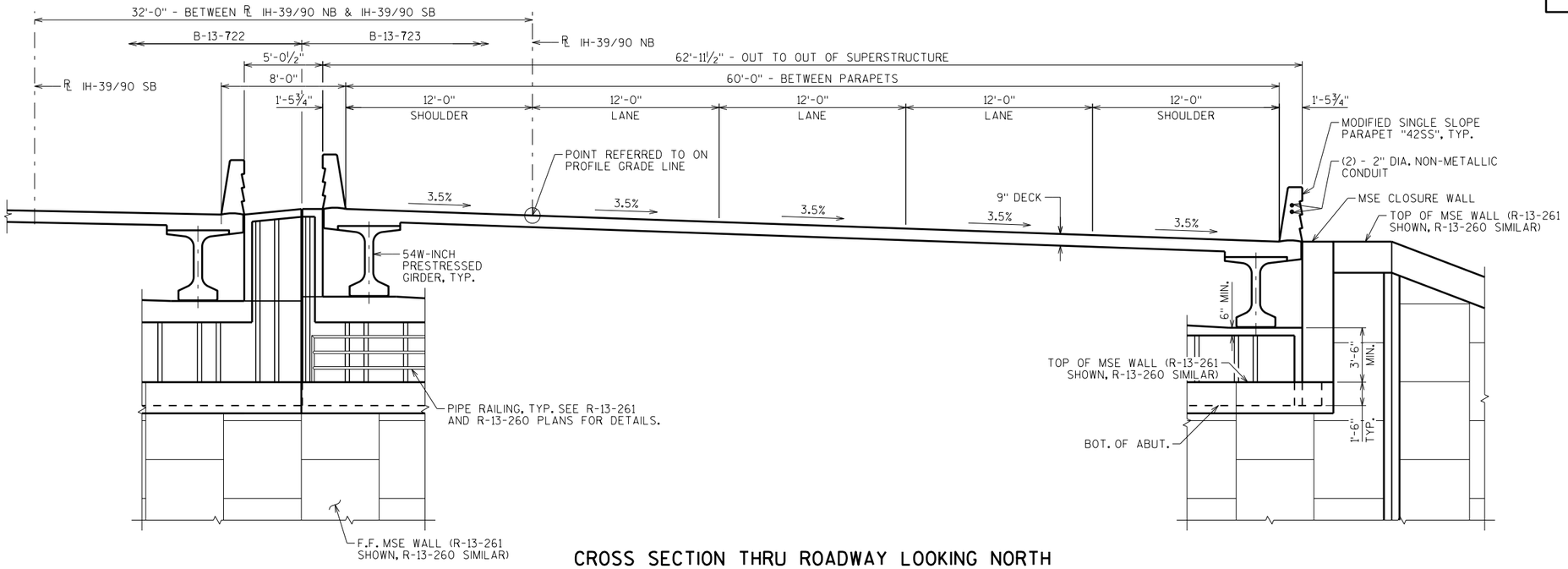
SCALE = 12.00

8

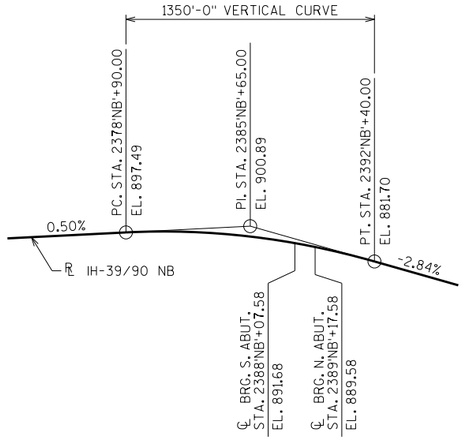
8

STATE PROJECT NUMBER

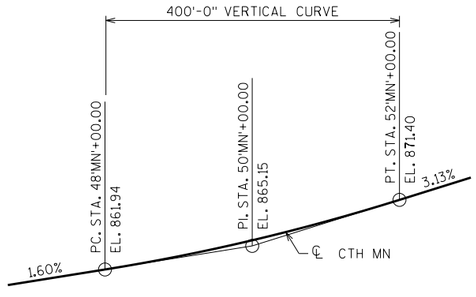
1007-11-76



CROSS SECTION THRU ROADWAY LOOKING NORTH



PROFILE GRADE LINE IH-39/90 NB



PROFILE GRADE LINE CTH MN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

CROSS SECTION

SHEET 2

331

SCALE = 4.00

8

8

STATE PROJECT NUMBER

1007-11-76

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER	SOUTH APPROACH	SOUTH ABUT.	NORTH ABUT.	NORTH APPROACH	TOTALS
203.0200	REMOVING OLD STRUCTURE STA. 2388'NB'+62	LS	———	———	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-13-723	LS	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	355	355	———	710
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	177	———	———	177	354
501.1000.S	ICE HOT WEATHER CONCRETING	LB	2,775	715	670	670	715	5,545
502.0100	CONCRETE MASONRY BRIDGES	CY	———	27	89	89	27	232
502.3200	PROTECTIVE SURFACE TREATMENT	SY	808	134	———	———	134	1,076
502.3210	PIGMENTED SURFACE SEALER	SY	113	20	———	———	20	153
503.0155	PRESTRESSED GIRDER TYPE I 54W-INCH	LF	777	———	———	———	———	777
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	6,190	6,230	———	12,420
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	51,440	17,740	580	660	17,740	88,160
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2,010	———	———	———	———	2,010
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	14	———	———	———	———	14
506.4000	STEEL DIAPHRAGMS B-13-723	EACH	12	———	———	———	———	12
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	22	23	———	45
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	———	———	480	640	———	1,120
604.0400	SLOPE PAVING CONCRETE	SY	———	———	30	30	———	60
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	2	———	———	———	———	2
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	50	———	———	———	———	50
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	280	———	———	———	———	280
653.0222	JUNCTION BOXES 18X12X6-INCH	EACH	2	———	———	———	———	2
SPV.0035.700	HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES	CY	370	68	———	———	68	506
SPV.0165.700	LONGITUDINAL GROOVING BRIDGE DECK	SF	6,819	1,200	———	———	1,200	9,219
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	3/4", 1 1/2"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-13-723" SHALL BE THE EXISTING GROUND LINE.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL. SEE DETAIL THIS SHEET.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE, PAVING NOTCH, AND APPROACH SLABS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

THE EXISTING STRUCTURE, B-13-141, IS A 3 SPAN CONTINUOUS STEEL GIRDER STRUCTURE WITH AN OVERALL WIDTH OF 43'-0"± AND AN OVERALL LENGTH OF 176'-4"±, AND IS TO BE REMOVED PRIOR TO CONSTRUCTION OF B-13-723. ABUTMENT SUPPORTED ON HP10X42 STEEL PILING, PIERS SUPPORTED ON SPREAD FOOTINGS.

BEVEL ALL EXPOSED EDGES OF CONCRETE 3/4" UNLESS SHOWN OTHERWISE.

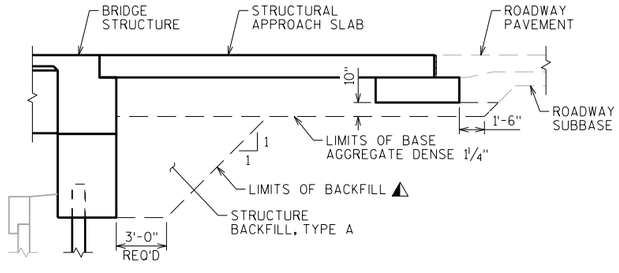
THE CONCRETE QUANTITIES FOR PARAPETS, SUPERSTRUCTURE DECK, APPROACH SLABS (EXCLUDING FOOTING), CONCRETE DIAPHRAGMS, AND HAUNCH OVER GIRDERS SHALL BE PAID FOR UNDER THE BID ITEM "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M 153, TYPE I, II, OR III OR A.A.S.H.T.O. DESIGNATION M 213.

THE COST OF FURNISHING AND PLACING THE SIZE 2 COURSE AGGREGATE SHALL BE PAID FOR UNDER THE BID ITEM "SLOPE PAVING CONCRETE".

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF B-13-723 WITH B-13-722, R-13-260 & R-13-261.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGES.



TYPICAL SECTION THRU ABUTMENT

(A1 ABUTMENT WITH STRUCTURAL APPROACH)

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

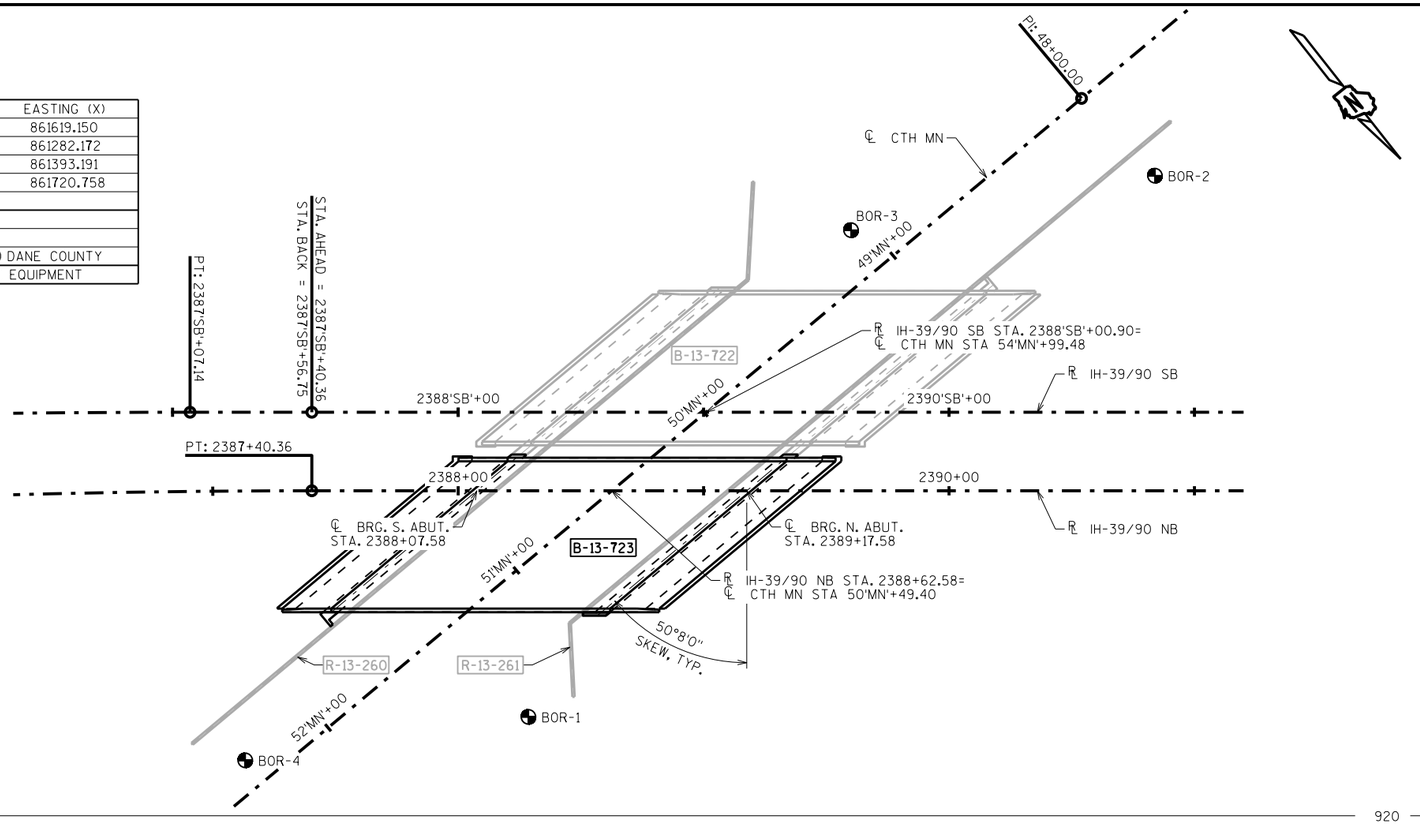
QUANTITIES & GENERAL NOTES

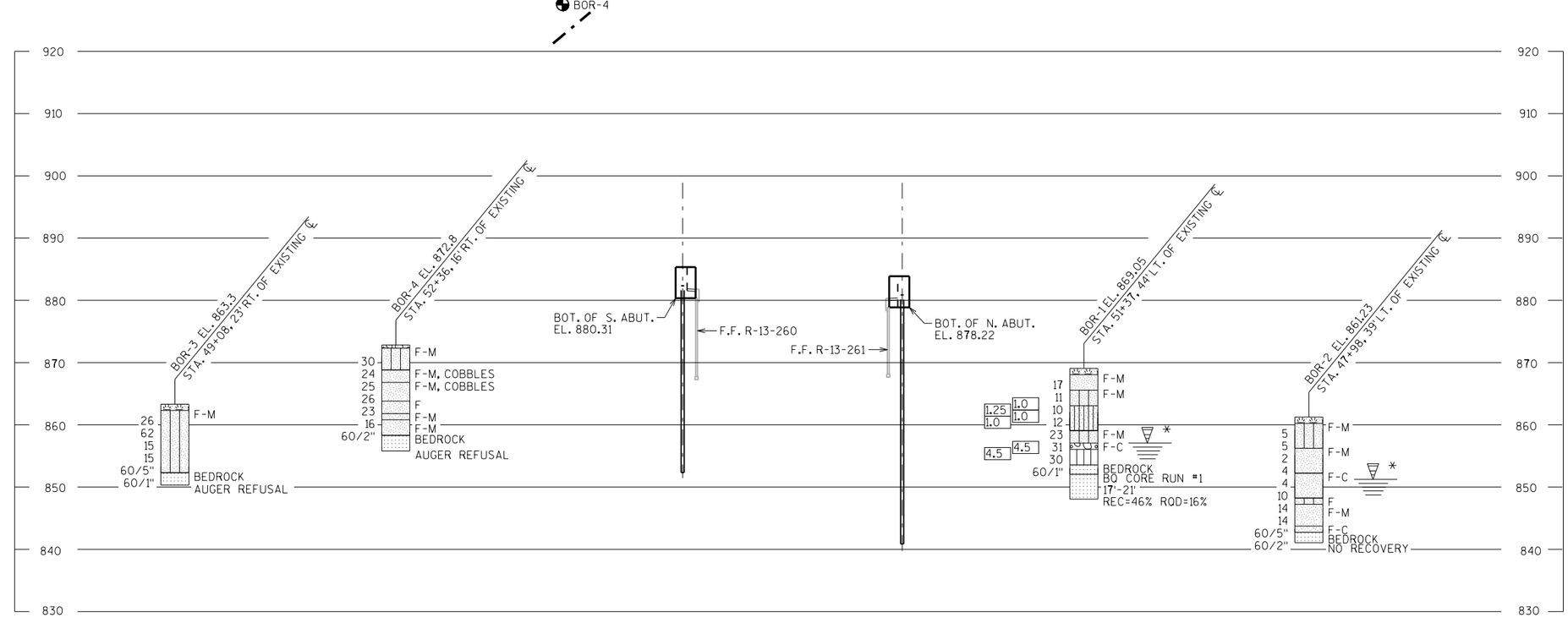
SHEET 3

332

SCALE = 4.00

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	1/04/2017	460444.988	861619.150
2	1/04/2017	460429.684	861282.172
3	1/05/2017	460370.514	861393.191
4	1/05/2017	460387.504	861720.758
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

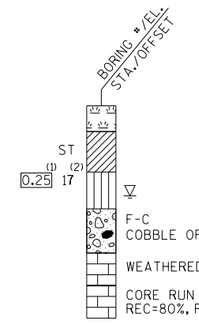
STATE PROJECT NUMBER

1007-11-76

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

SUBSURFACE EXPLORATION

SHEET 4

333

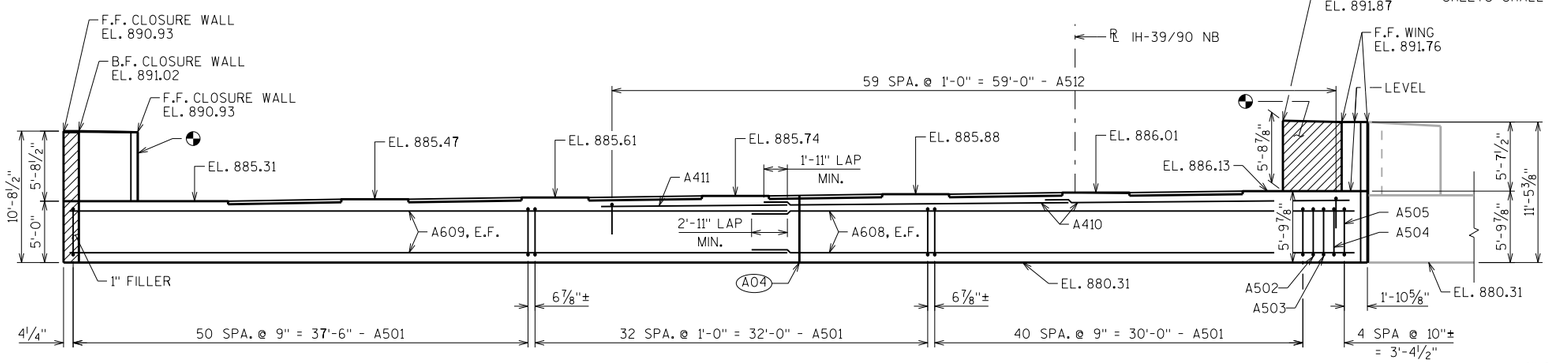
SCALE = 30.00

8

8

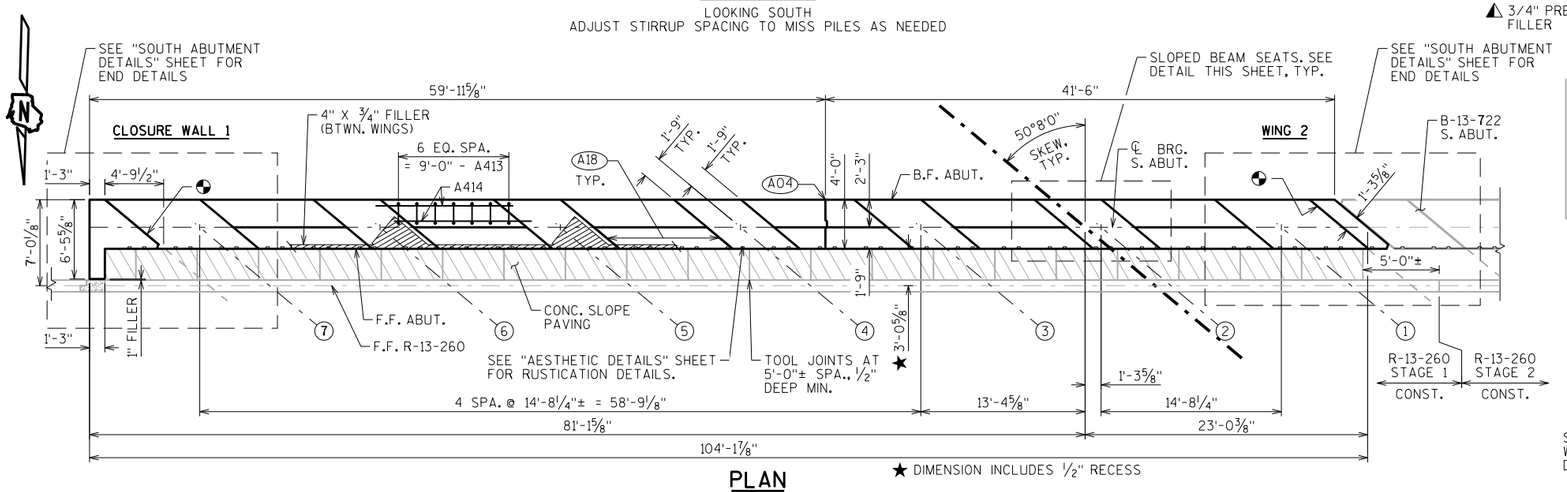
STATE PROJECT NUMBER

1007-11-76



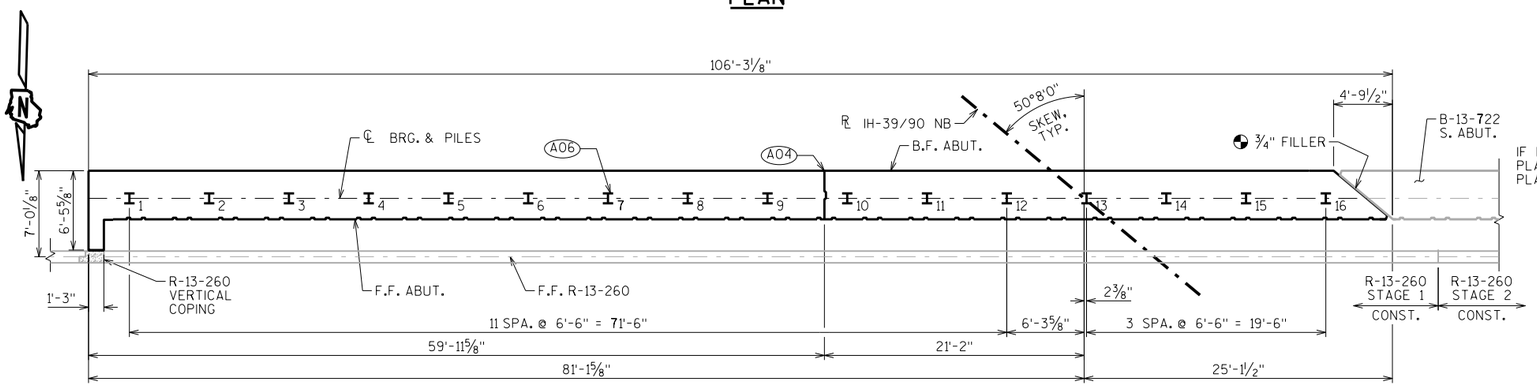
ELEVATION

LOOKING SOUTH
ADJUST STIRRUP SPACING TO MISS PILES AS NEEDED

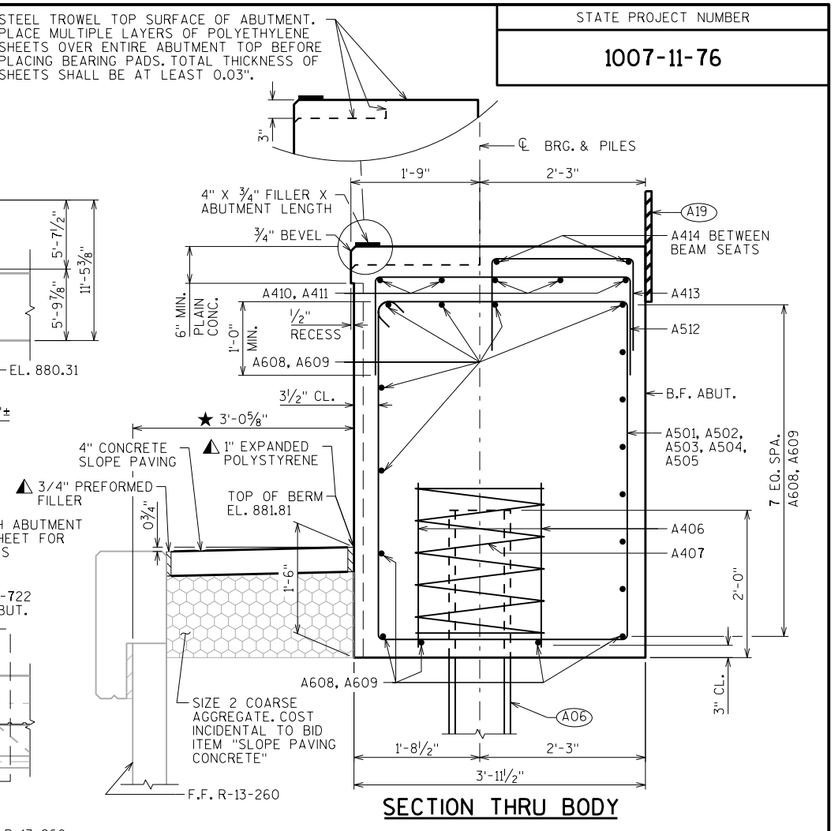


PLAN

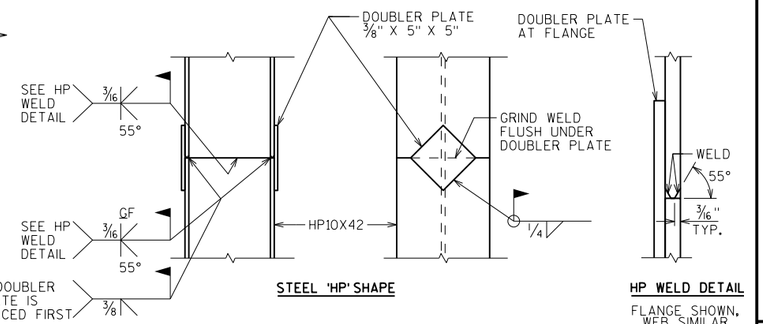
★ DIMENSION INCLUDES ½" RECESS



PILE PLAN



SECTION THRU BODY

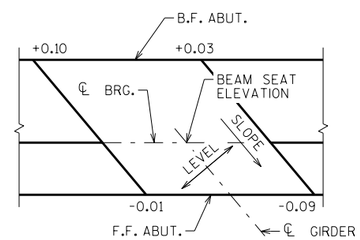


STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS



SLOPED BEAM SEAT DETAIL

A04 VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

A06 SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 30'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE.

◓ 3/4" FILLER: SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 3/4" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

◭ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER AND EXPANDED POLYSTYRENE WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE).

A18 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

A19 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

SOUTH ABUTMENT

SHEET 5

334

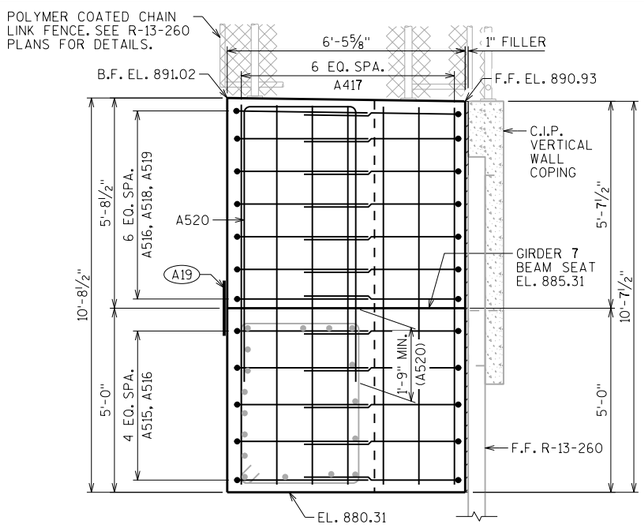
SCALE = 6.00

8

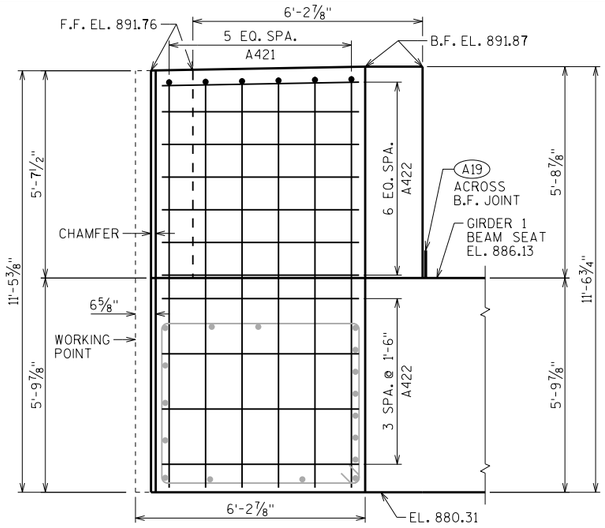
8

STATE PROJECT NUMBER

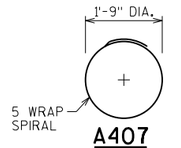
1007-11-76



CLOSURE WALL DETAIL - SECTION A-A

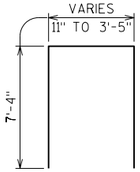


CLOSURE WALL DETAIL - SECTION B-B



A407

A515



A520

BILL OF BARS

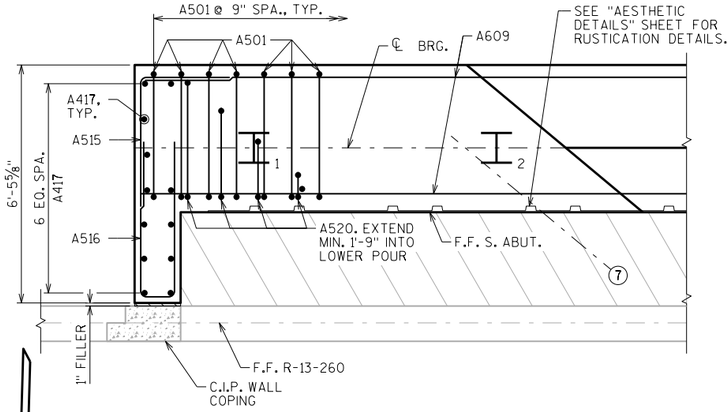
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A501		125	16'-4"	X		BODY - STIRRUPS
A502		1	15'-8"	X		BODY - STIRRUPS - WEST END
A503		1	14'-2"	X		BODY - STIRRUPS - WEST END
A504		1	12'-10"	X		BODY - STIRRUPS - WEST END
A505		1	11'-4"	X		BODY - STIRRUPS - WEST END
A406		32	2'-3"			BODY - VERT. - AT PILES - 2 PER PILE
A407		16	28'-0"	X		BODY - VERT. - AT PILES
A608		17	48'-8"			BODY - HORIZ. - WEST SIDE
A609		17	59'-7"			BODY - HORIZ. - EAST SIDE
A410		10	25'-0"			BODY - HORIZ. - WEST SIDE - TOP
A411		5	15'-0"			BODY - HORIZ. - EAST SIDE - TOP
A512		60	7'-5"	X		BODY - VERT. - TOP
A413		42	4'-3"	X		BODY - VERT. - BTWN. BEAM SEATS
A414		12	11'-3"			BODY - HORIZ. - BTWN. BEAM SEATS
A515	X	5	6'-0"	X		CLOSURE WALL 1 - LOWER - B.F. - HORIZ.
A516	X	12	9'-2"	X		CLOSURE WALL 1 - F.F. - HORIZ.
A417	X	13	10'-2"			CLOSURE WALL 1 - VERT.
A518	X	7	6'-3"	X		CLOSURE WALL 1 - UPPER - HORIZ.
A519	X	7	9'-11"	X		CLOSURE WALL 1 - UPPER - HORIZ.
A520	X	4	16'-7"	X	⚠	CLOSURE WALL 1 - UPPER - VERT.
A421	X	6	23'-4"	X		WING 2 - VERT.
A422	X	18	5'-3"			WING 2 - UPPER - HORIZ.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

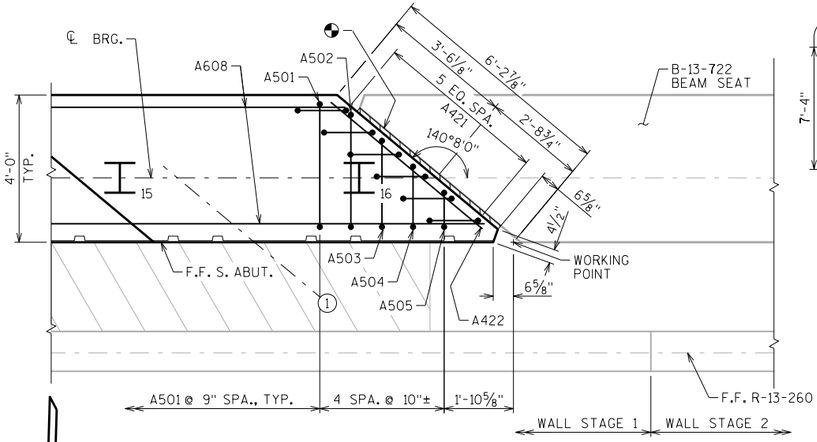
BAR SERIES TABLE

BAR MARK	NO. REQ'D	LENGTH
A520	1 SERIES OF 4	15'-4" TO 17'-10"



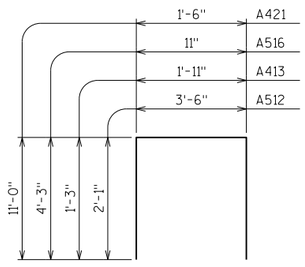
CLOSURE WALL DETAIL - PLAN VIEW

SHOWING LOWER POUR REINFORCEMENT

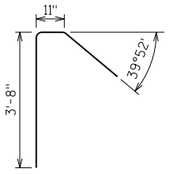


WING 2 DETAIL - PLAN VIEW

SHOWING LOWER POUR REINFORCEMENT



A512, A413, A516, A421



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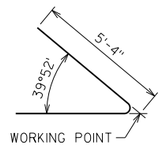

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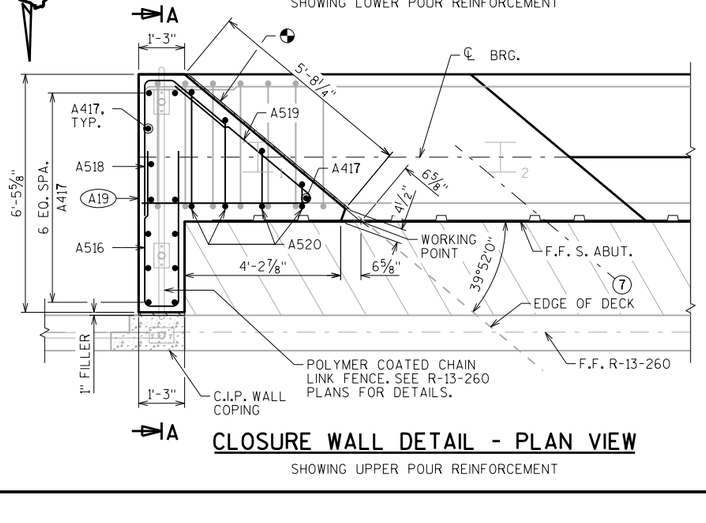
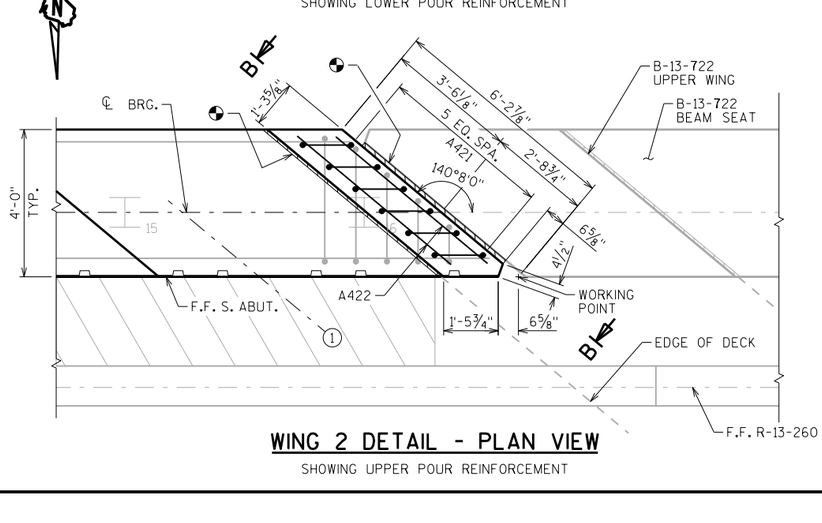


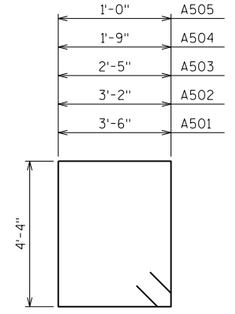
CLOSURE WALL DETAIL - PLAN VIEW

SHOWING UPPER POUR REINFORCEMENT



WING 2 DETAIL - PLAN VIEW

SHOWING UPPER POUR REINFORCEMENT



A501, A502, A503, A504, A505

3/4" FILLER. SEAL ALL ALL EXPOSED VERTICAL & HORIZONTAL SURFACES WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). COLOR TO MATCH CLOSURE WALL STAIN.

A19 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY: ABS | PLANS CK'D.: SAD

SOUTH ABUTMENT DETAILS

SHEET 6

335

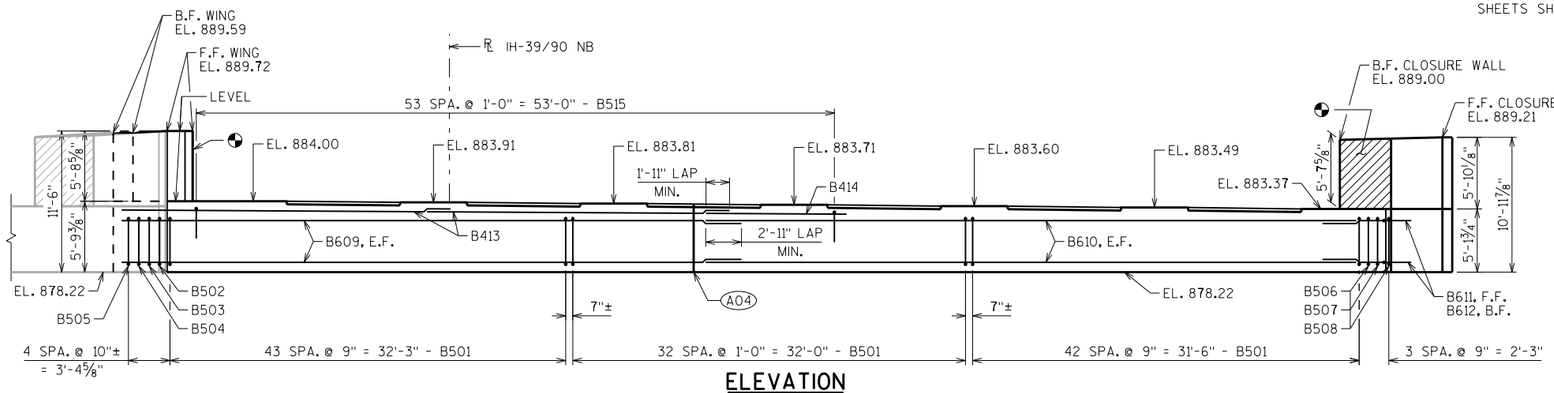
SCALE = 2.00

8

8

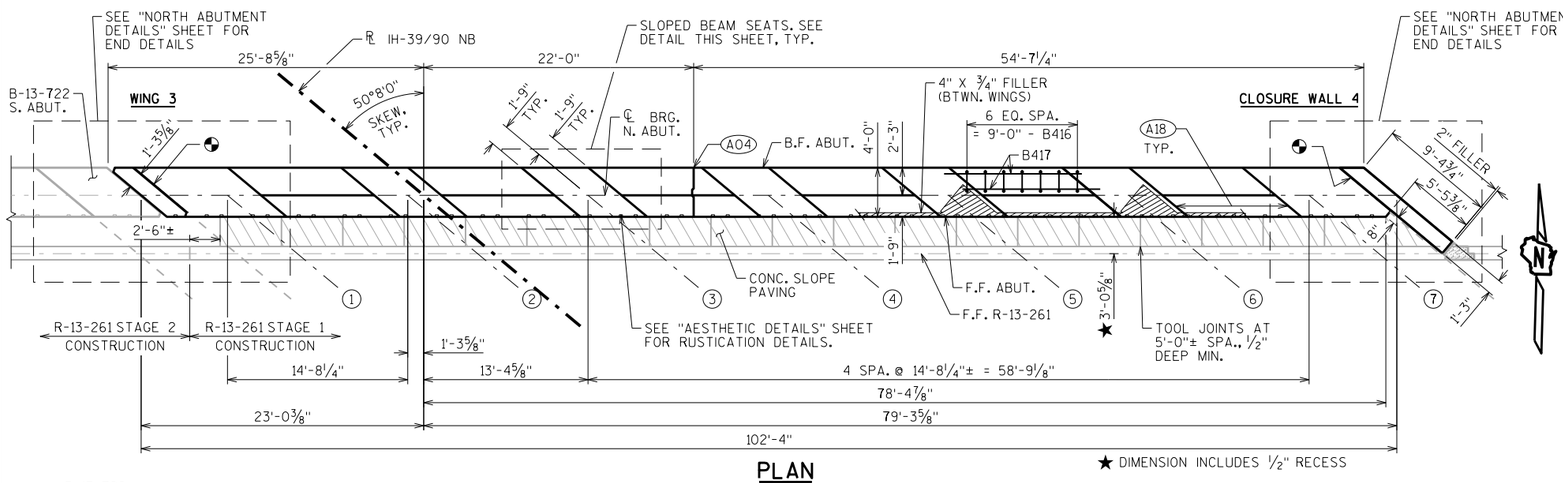
STATE PROJECT NUMBER

1007-11-76



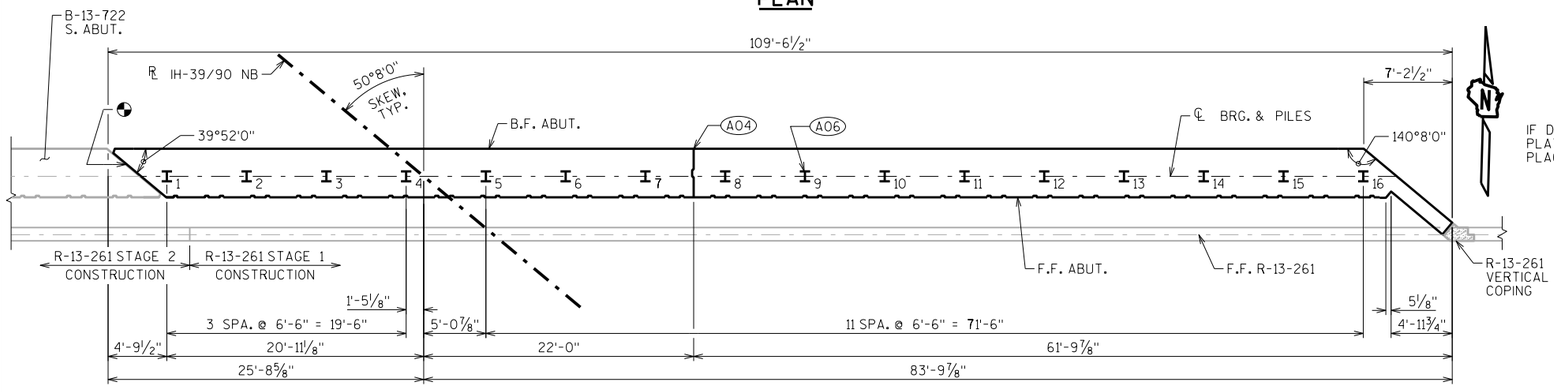
ELEVATION

LOOKING NORTH
ADJUST STIRRUP SPACING TO MISS PILES AS NEEDED

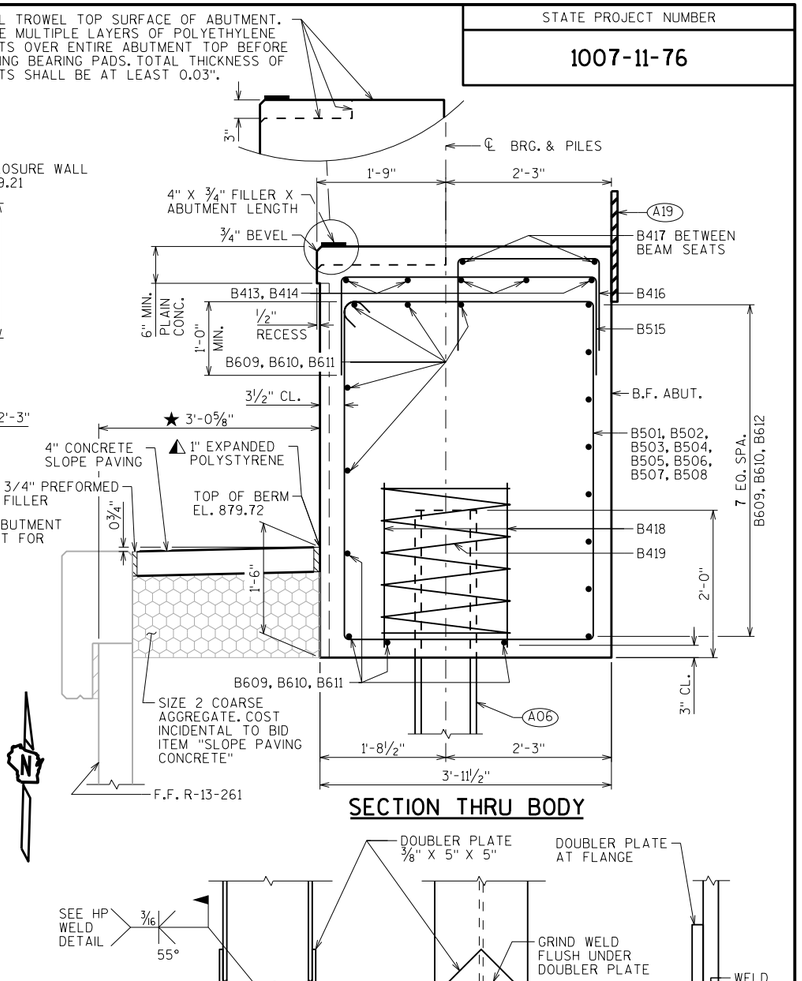


★ DIMENSION INCLUDES ½" RECESS

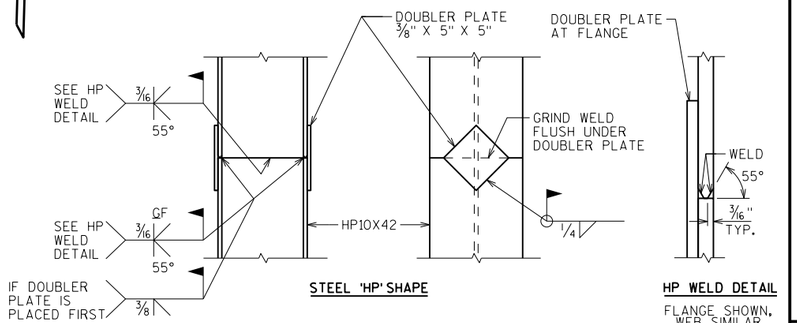
PLAN



PILE PLAN



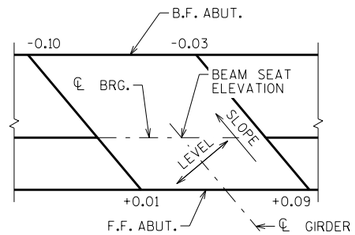
SECTION THRU BODY



STEEL 'HP' SHAPE

HP WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

PILE DETAILS



SLOPED BEAM SEAT DETAIL

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A06) SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 40'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE.

◓ 3/4" FILLER: SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 3/4" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

◭ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER AND EXPANDED POLYSTYRENE WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE).

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

NORTH ABUTMENT

SHEET 7

336

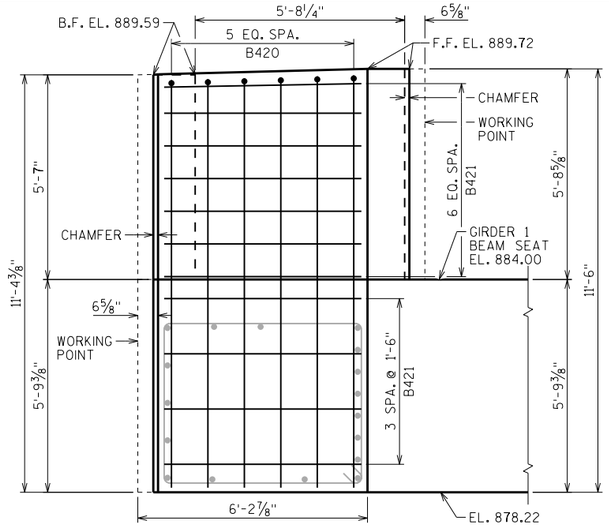
SCALE = 6.00

8

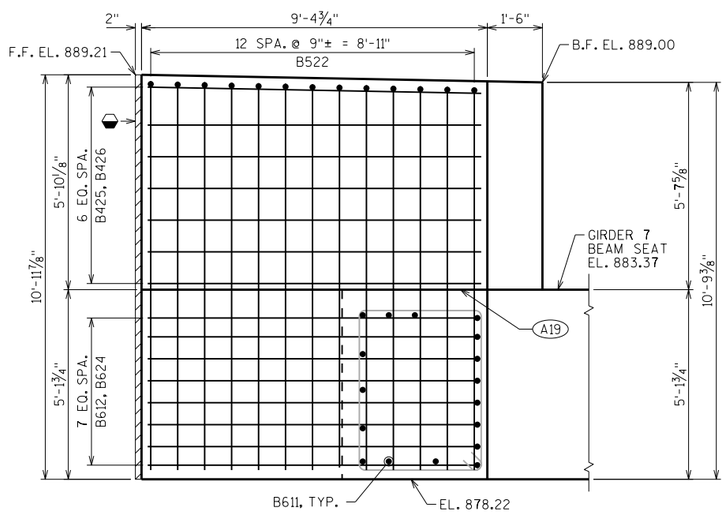
8

STATE PROJECT NUMBER

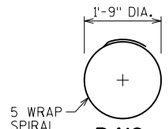
1007-11-76



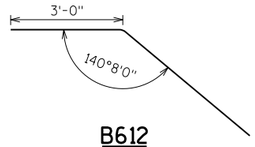
WING 3 DETAIL - SECTION C-C



CLOSURE WALL DETAIL - SECTION D-D



B419



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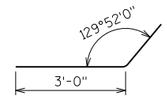
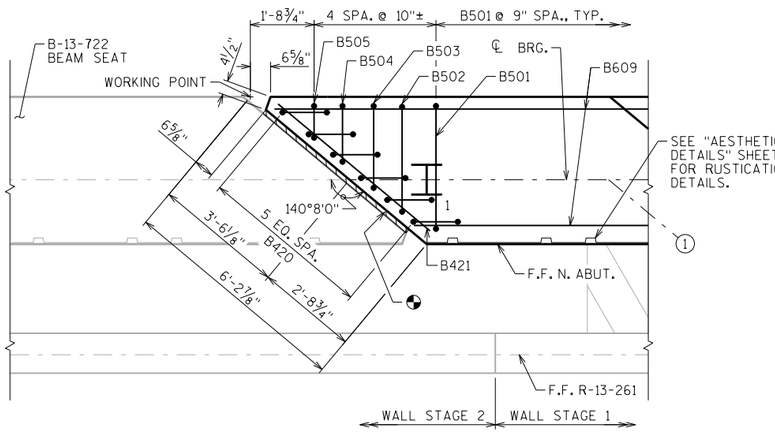


B611

BILL OF BARS

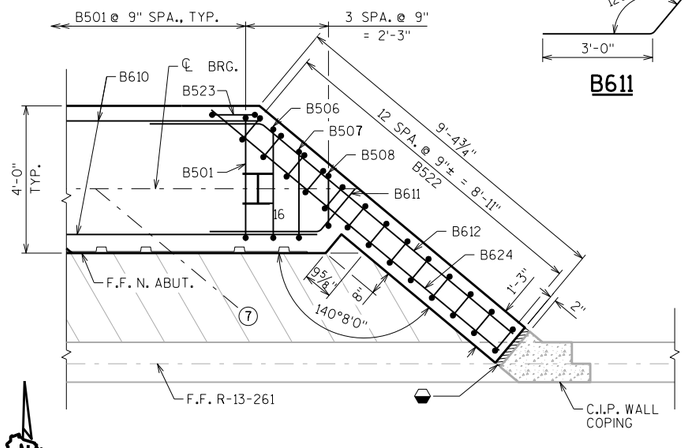
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B501		120	16'-7"	X		BODY - STIRRUPS
B502		1	15'-9"	X		BODY - STIRRUPS - WEST END
B503		1	14'-5"	X		BODY - STIRRUPS - WEST END
B504		1	13'-1"	X		BODY - STIRRUPS - WEST END
B505		1	11'-7"	X		BODY - STIRRUPS - WEST END
B506		1	15'-11"	X		BODY - STIRRUPS - EAST END
B507		1	14'-7"	X		BODY - STIRRUPS - EAST END
B508		1	12'-9"	X		BODY - STIRRUPS - EAST END
B609		17	50'-2"			BODY - HORIZ. - WEST SIDE
B610		17	54'-3"			BODY - HORIZ. - EAST SIDE
B611		9	4'-6"			CLOSURE WALL 4 - LOWER - B.F. - HORIZ.
B612		8	12'-2"			CLOSURE WALL 4 - LOWER - F.F. - HORIZ.
B413		10	25'-7"			BODY - HORIZ. - WEST SIDE - TOP
B414		5	12'-3"			BODY - HORIZ. - EAST SIDE - TOP
B515		54	7'-5"	X		BODY - VERT. - TOP
B416		42	4'-3"	X		BODY - VERT. - BTWN. BEAM SEATS
B417		12	11'-3"			BODY - HORIZ. - BTWN. BEAM SEATS
B418		32	2'-3"			BODY - VERT. - AT PILES - 2 PER PILE
B419		16	28'-0"	X		BODY - VERT. - AT PILES
B420	X	6	23'-4"	X		WING 3 - VERT.
B421	X	11	5'-3"			WING 3 - HORIZ.
B522	X	13	21'-6"	X		CLOSURE WALL 4 - VERT.
B523	X	1	22'-0"	X		CLOSURE WALL 4 - VERT.
B624	X	8	10'-2"			CLOSURE WALL 4 - LOWER - HORIZ.
B425	X	7	9'-1"			CLOSURE WALL 4 - UPPER - HORIZ.
B426	X	7	10'-2"			CLOSURE WALL 4 - UPPER - HORIZ.



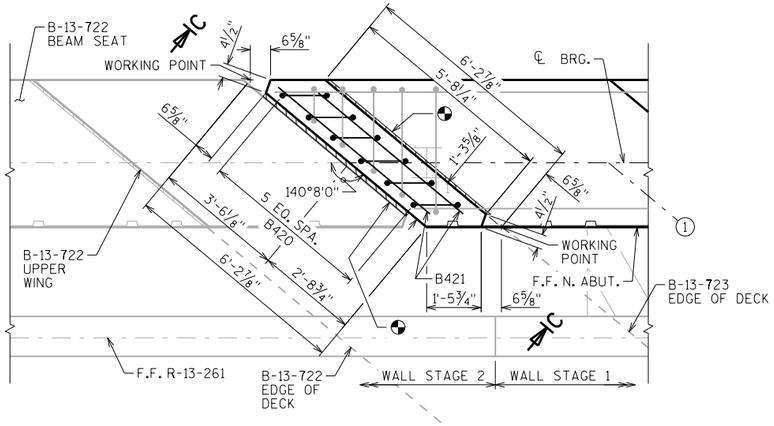
WING 3 DETAIL - PLAN VIEW

SHOWING LOWER POUR REINFORCEMENT



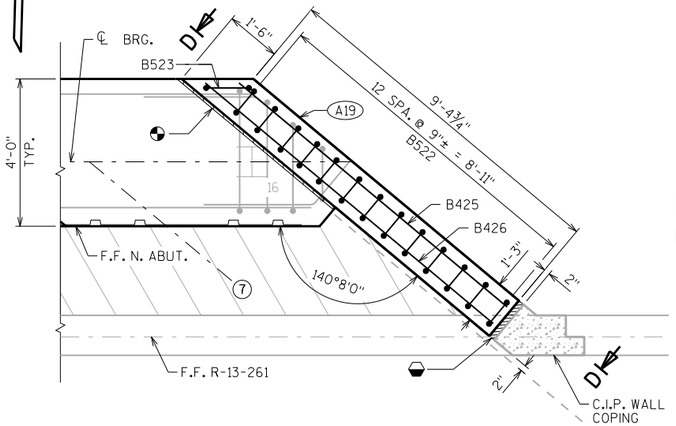
CLOSURE WALL DETAIL - PLAN VIEW

SHOWING LOWER POUR REINFORCEMENT



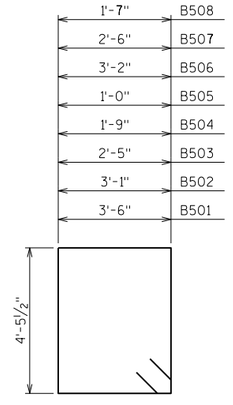
WING 3 DETAIL - PLAN VIEW

SHOWING UPPER POUR REINFORCEMENT

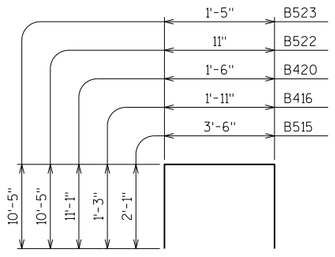


CLOSURE WALL DETAIL - PLAN VIEW

SHOWING UPPER POUR REINFORCEMENT



B501, B502, B503, B504, B505, B506, B507, B508



B515, B416, B420, B522, B523

- 2" FILLER. SEAL ALL ALL EXPOSED VERTICAL & HORIZONTAL SURFACES WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. COLOR TO MATCH CLOSURE WALL STAIN.
- 3/4" FILLER. SEAL ALL ALL EXPOSED VERTICAL & HORIZONTAL SURFACES WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLE 1/8" BELOW SURFACE OF CONCRETE). COLOR TO MATCH CLOSURE WALL STAIN.
- (A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

NORTH ABUTMENT DETAILS

SHEET 8

337

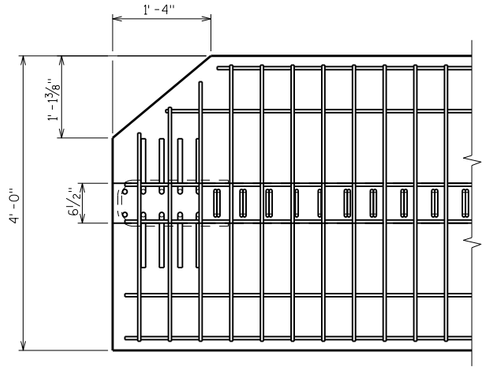
SCALE = 2.00

8

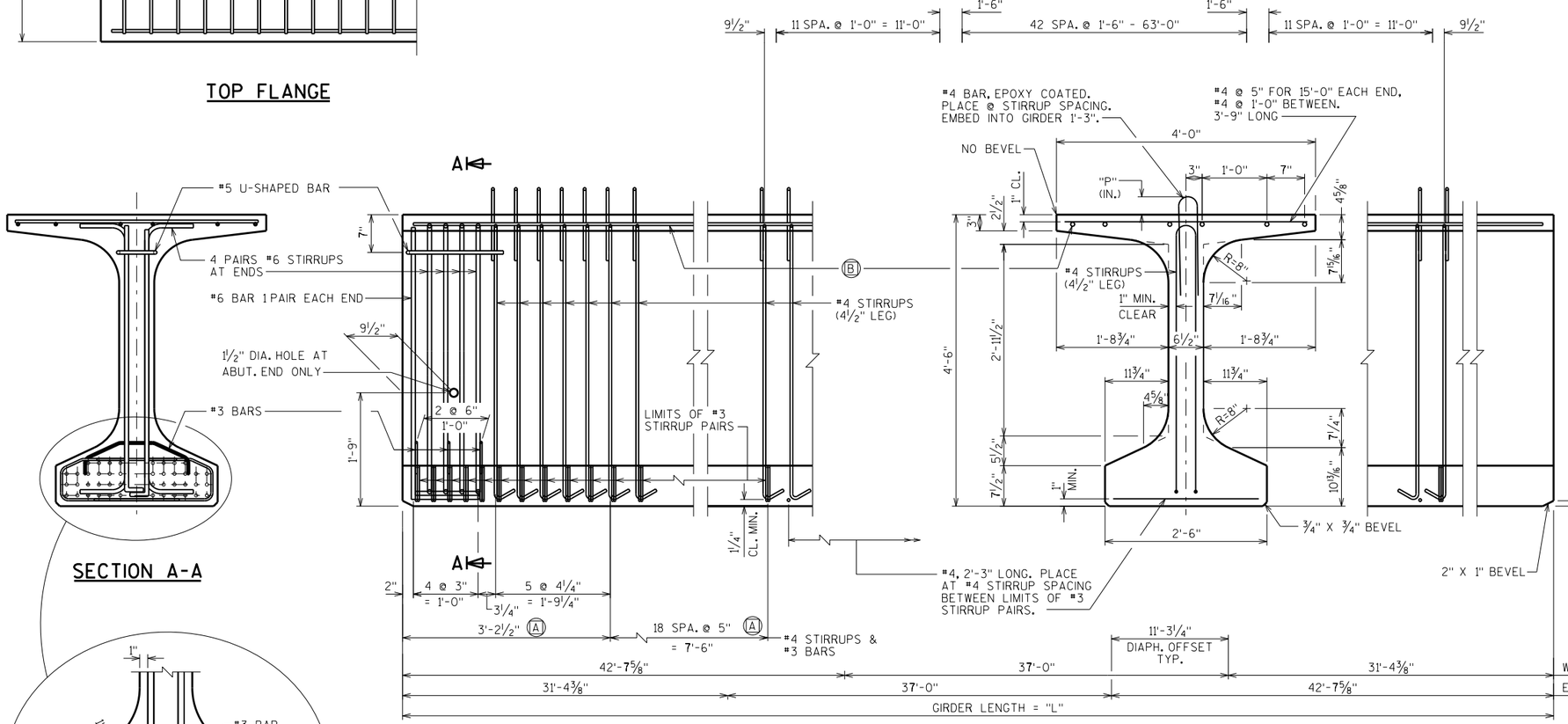
8

STATE PROJECT NUMBER

1007-11-76



TOP FLANGE

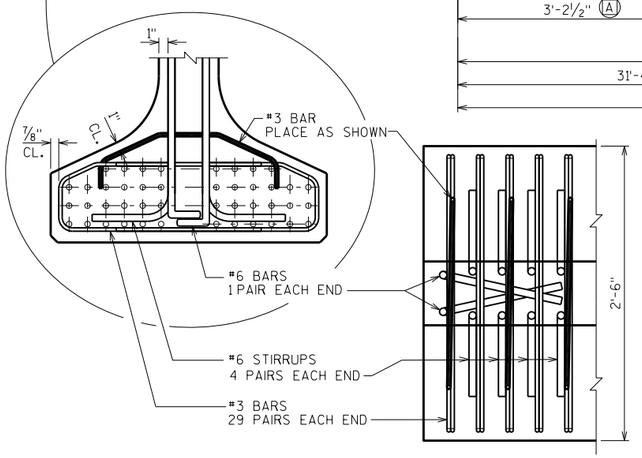


SECTION A-A

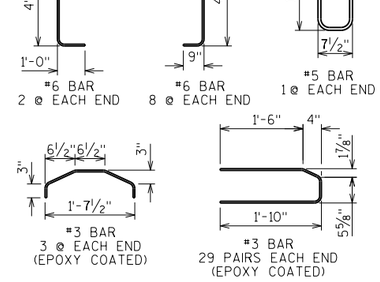
SIDE VIEW & TYP. SECTION IN SPAN

(A) DETAIL TYP. AT EACH END

(B) 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11"



BOTTOM FLANGE



NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 15" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 15" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.3 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

* MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (p.s.i.)	"P" IST 1/3 OF GIRDER	"P" MID 1/3 OF GIRDER	"P" END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *
1	1,7	111.0	0.6	1.2	1.6	1.9	2.0	1.9	1.6	1.2	0.6	8,000	9.0"	7.0"	9.0"	0.60	42	6,600	49.0	16.0	19.0	5.0		
1	2-6	111.0	0.7	1.3	1.7	2.0	2.1	2.0	1.7	1.3	0.7	8,000	9.0"	7.0"	9.0"	0.60	42	6,600	49.0	16.0	19.0	5.0		

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

54W" PRESTRESSED GIRDER DETAILS 1

SHEET 9

338

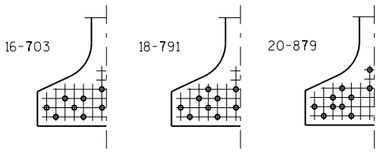
SCALE = 1.00

8

8

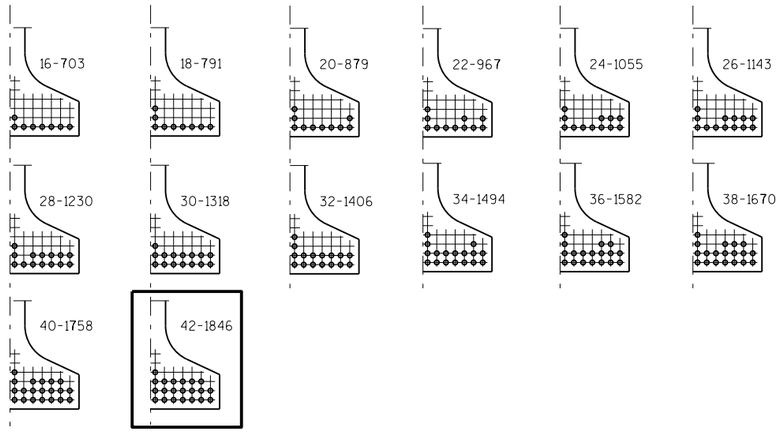
STATE PROJECT NUMBER

1007-11-76



STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

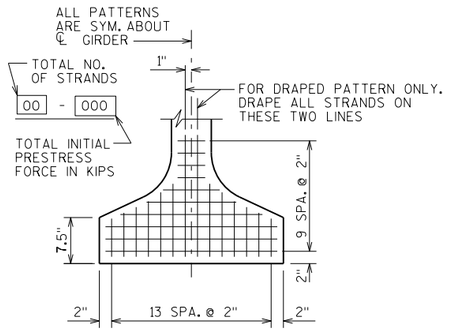
0.6"Φ STRANDS



ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6"Φ STRANDS

DRAPED STRAND PROFILE



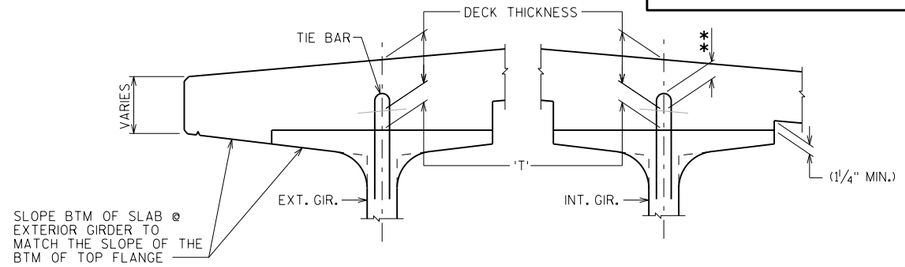
TYP. STRAND PATTERN

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	4.37

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.



DECK HAUNCH DETAIL

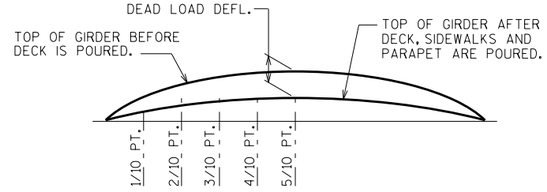
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3.56" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

54W" PRESTRESSED GIRDER DETAILS 2

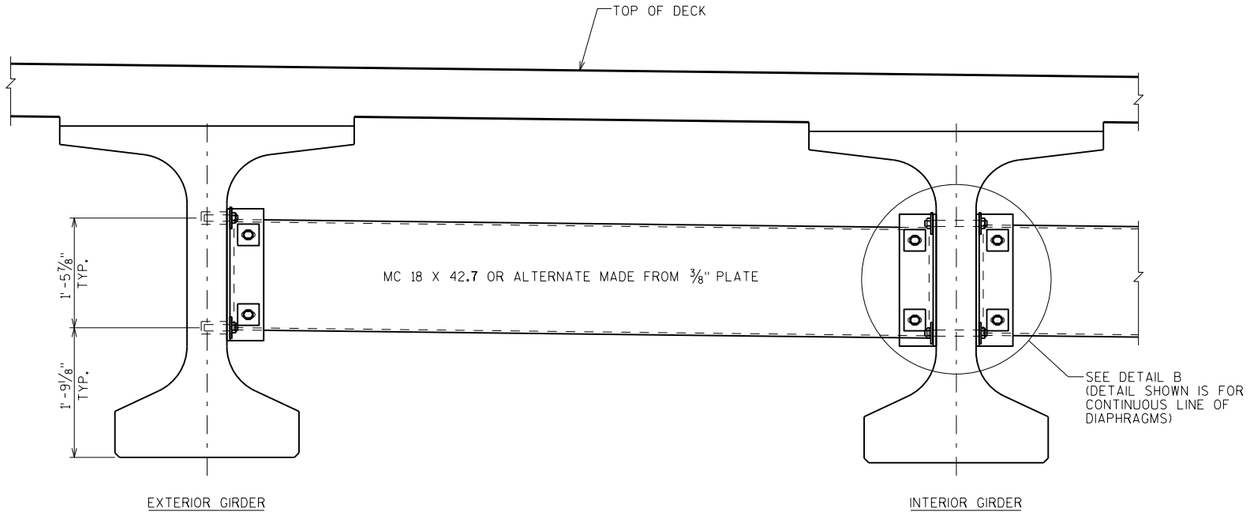
SHEET 10

339

SCALE = 1.00

STATE PROJECT NUMBER

1007-11-76



PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

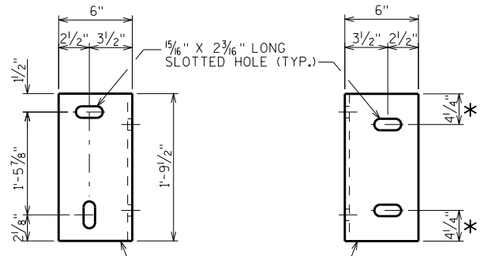
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-723", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

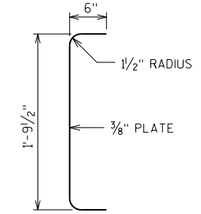
ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

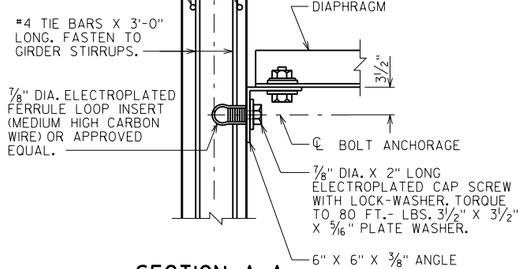


DIAPHRAGM SUPPORT

* 2½" FOR ALTERNATE PLATE DIAPHRAGM

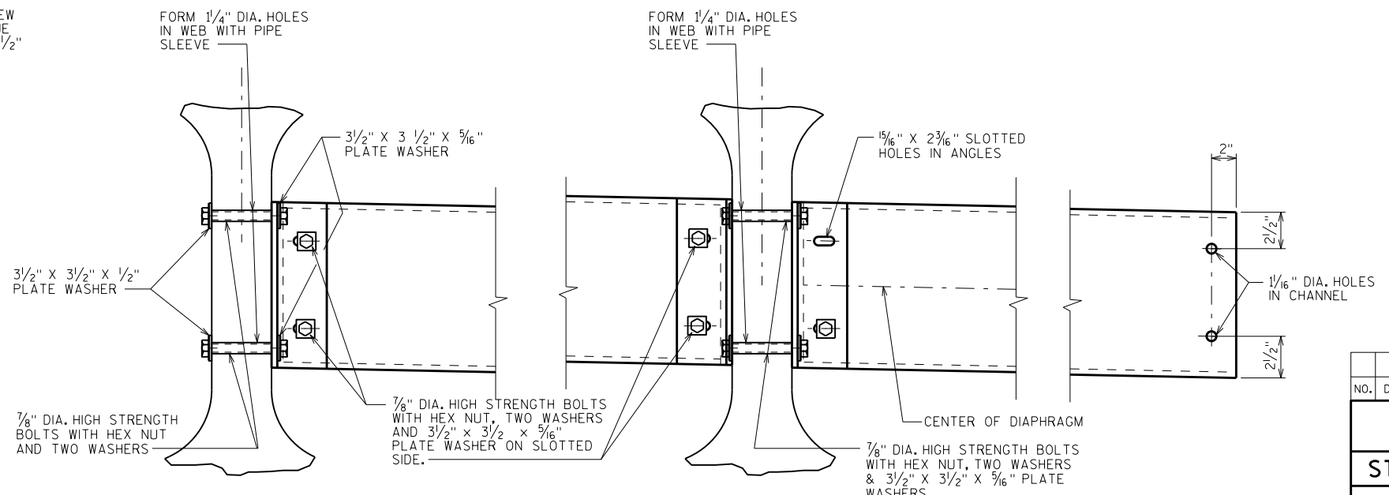


SECTION THRU ALTERNATE DIAPHRAGM



SECTION A-A

(FOR EXTERIOR ATTACHMENT)



(FOR STAGGERED DIAPHRAGM)

DETAIL B

(FOR CONTINUOUS LINE OF DIAPHRAGMS)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

STEEL DIAPHRAGM

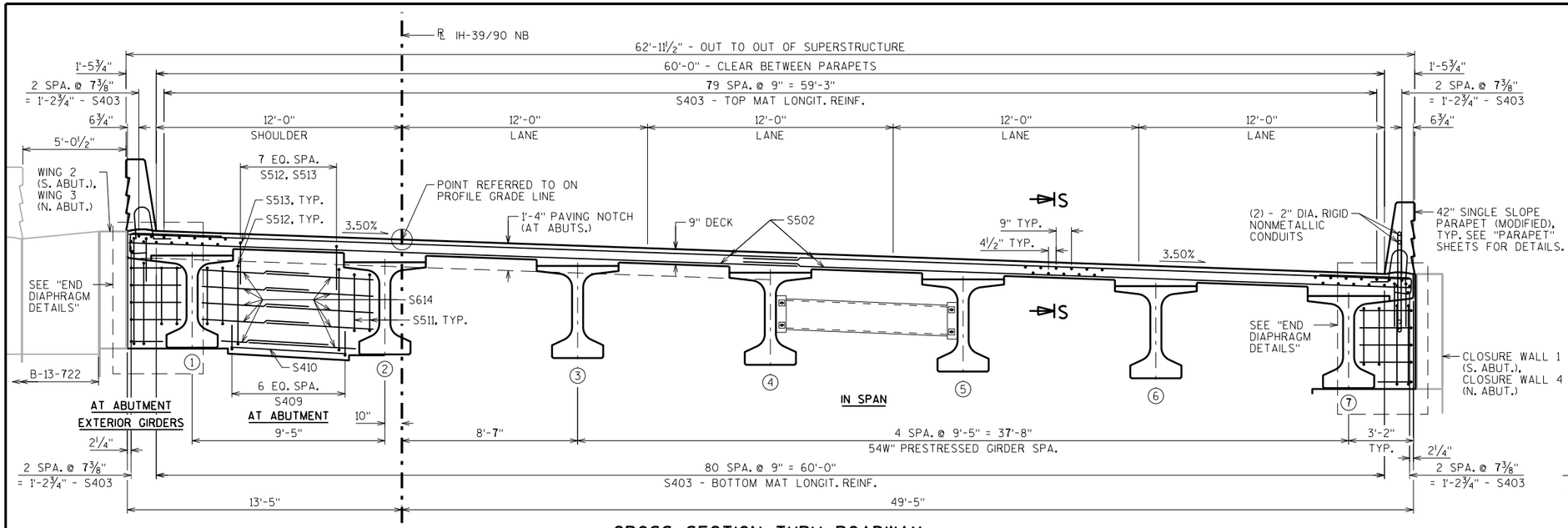
SHEET 11

340

SCALE = 1.00

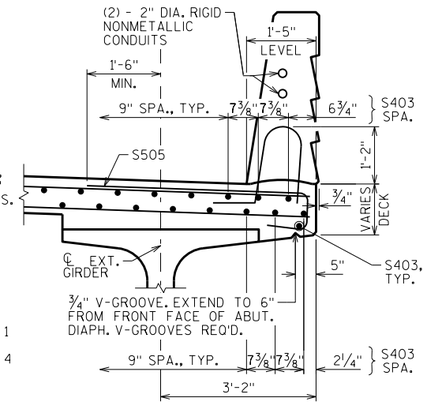
STATE PROJECT NUMBER

1007-11-76

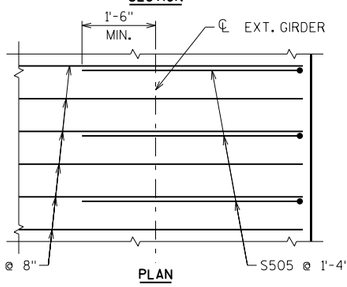


CROSS SECTION THRU ROADWAY

LOOKING NORTH



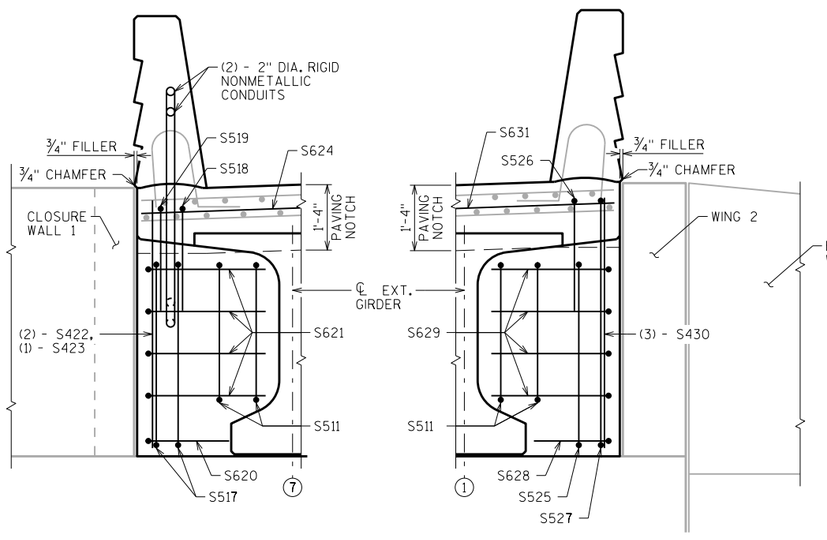
SECTION



PLAN

PARAPET NOT SHOWN FOR CLARITY

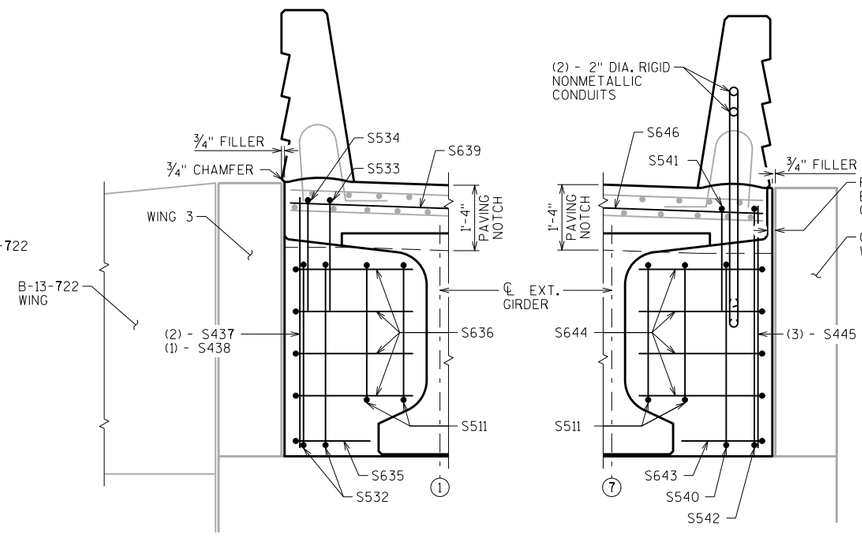
ADDITIONAL REINF. DETAILS



CLOSURE WALL 1 — WING 2

END DIAPHRAGM DETAILS - S. ABUT.

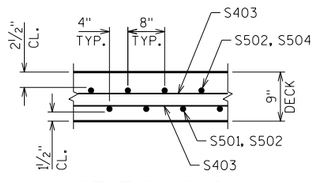
LOOKING SOUTH



WING 3 — CLOSURE WALL 4

END DIAPHRAGM DETAILS - N. ABUT.

LOOKING NORTH



SECTION S-S

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

SUPERSTRUCTURE CROSS SECTION

SHEET 12

341

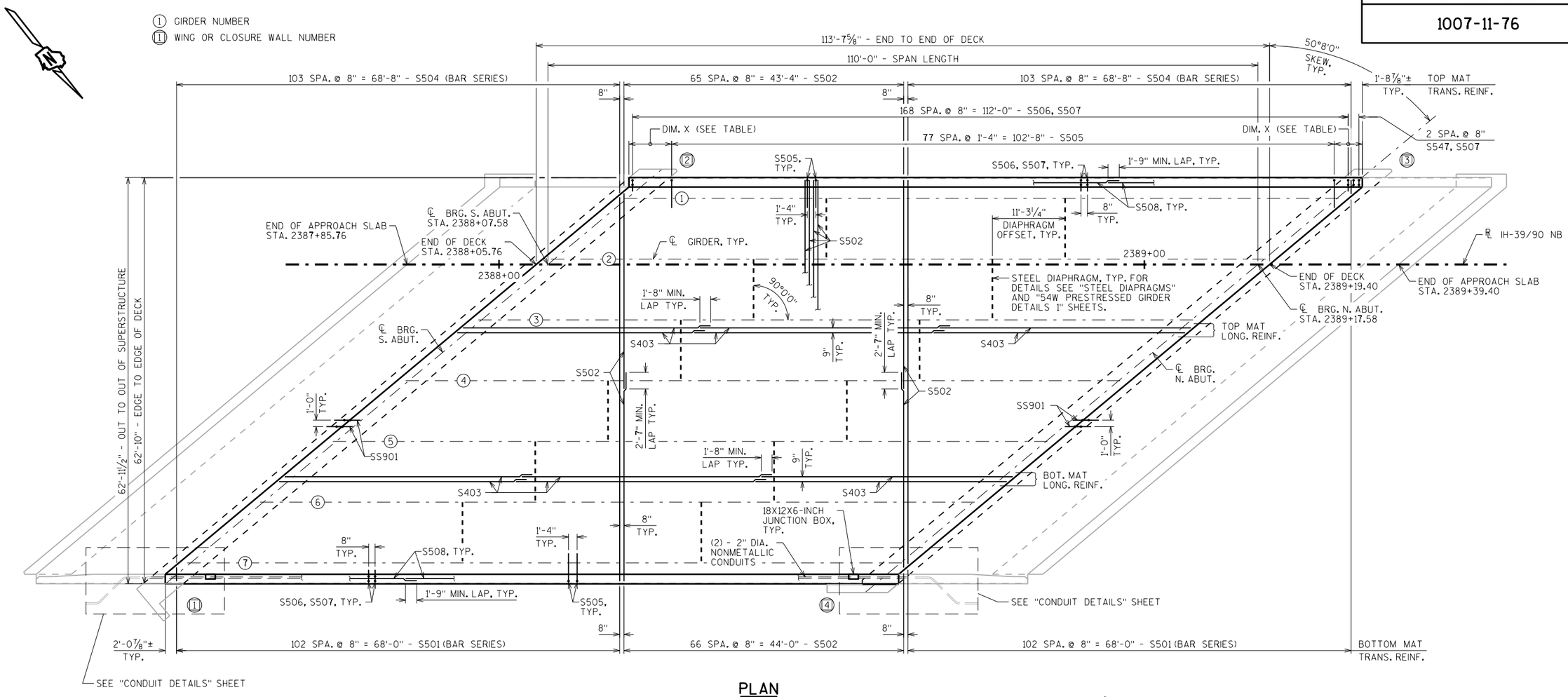
SCALE = 3.00

8

8

STATE PROJECT NUMBER

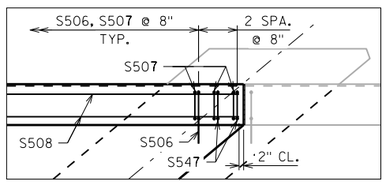
1007-11-76



PLAN

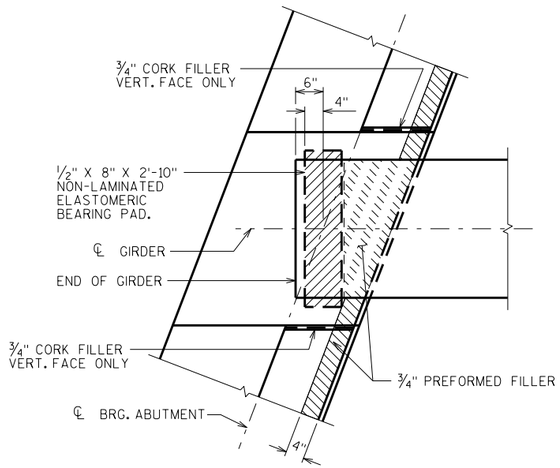
TOP OF DECK ELEVATIONS

	℄ BRG. S. ABUT.	⅛ PT.	¼ PT.	⅜ PT.	½ PT.	⅝ PT.	¾ PT.	⅞ PT.	℄ BRG. N. ABUT.
W. EOD	891.81	891.61	891.40	891.20	890.99	890.77	890.56	890.34	890.12	889.89	889.67
W. G/L	891.84	891.64	891.44	891.23	891.02	890.81	890.59	890.37	890.15	889.93	889.70
G1	891.81	891.61	891.41	891.20	891.00	890.78	890.57	890.35	890.13	889.91	889.68
G2	891.69	891.49	891.29	891.09	890.88	890.67	890.46	890.25	890.03	889.81	889.58
PGL	891.68	891.48	891.28	891.08	890.87	890.66	890.45	890.24	890.02	889.80	889.58
G3	891.56	891.36	891.17	890.97	890.76	890.56	890.35	890.14	889.92	889.71	889.49
G4	891.42	891.23	891.04	890.84	890.64	890.44	890.23	890.03	889.81	889.60	889.38
G5	891.29	891.10	890.91	890.71	890.52	890.32	890.12	889.91	889.70	889.49	889.28
G6	891.15	890.96	890.77	890.58	890.39	890.19	890.00	889.79	889.59	889.38	889.17
G7	891.00	890.82	890.64	890.45	890.26	890.07	889.87	889.67	889.47	889.26	889.06
E. G/L	890.97	890.79	890.61	890.42	890.23	890.04	889.84	889.65	889.44	889.24	889.03
E. EOD	891.00	890.82	890.64	890.45	890.26	890.07	889.87	889.68	889.48	889.27	889.06



PARAPET CORNER REINF. DETAIL

WING 3 CORNER SHOWN,
CLOSURE WALL 1 CORNER SIMILAR



BEARING PAD DETAIL

OVERHANG REINF. OFFSETS

CORNER	DIM. X
CLOSE. WALL 1	4'-5½"±
WING 2	6'-7⅜"±
WING 3	4'-4¼"±
CLOSE. WALL 4	6'-6⅛"±

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

SUPERSTRUCTURE PLAN

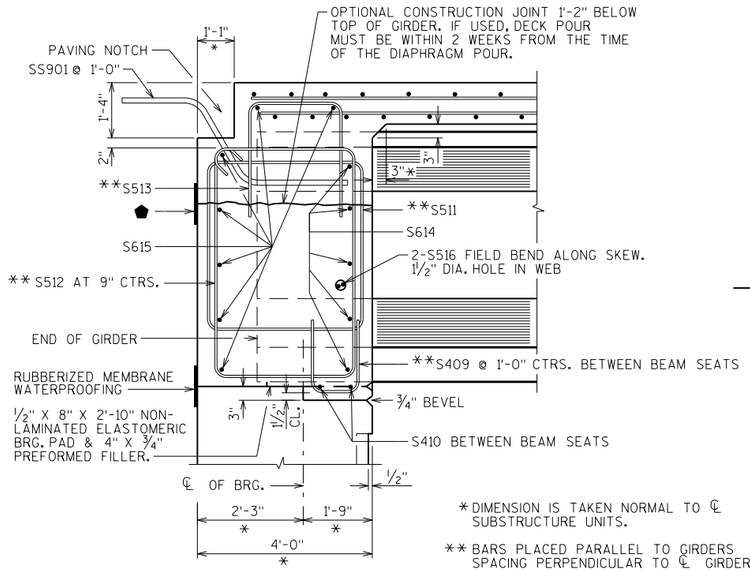
SHEET 13

342

SCALE = 8.00

8

8



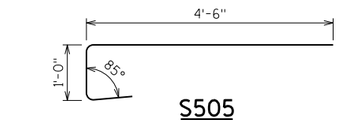
AT ABUTMENTS

PART LONGIT. SECTION

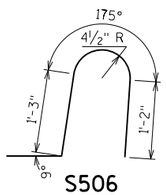
* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS

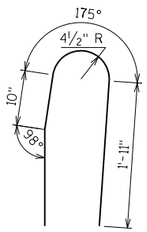
⬟ RUBBERIZED MEMBRANE WATERPROOFING IF CONST. JOINT IS USED (COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES")



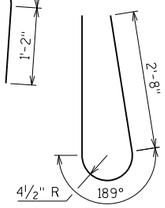
S505



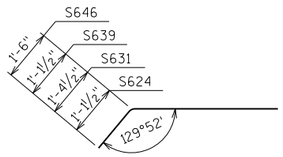
S506



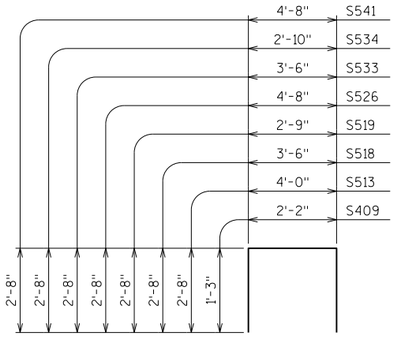
S547



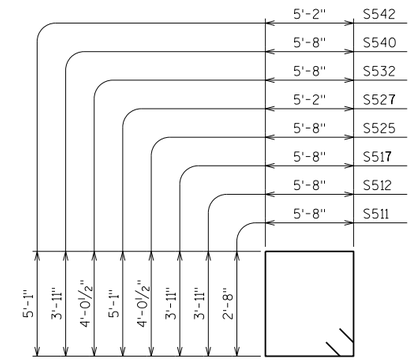
S507



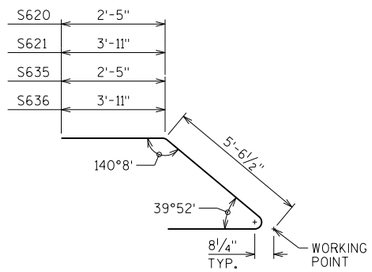
S624, S631, S639, S646



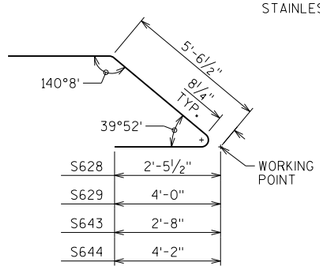
S409, S513, S518, S519, S526, S533, S534, S541



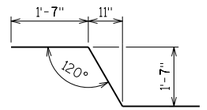
S511, S512, S517, S525, S527, S532, S540, S542



S620, S621, S635, S636



S628, S629, S643, S644



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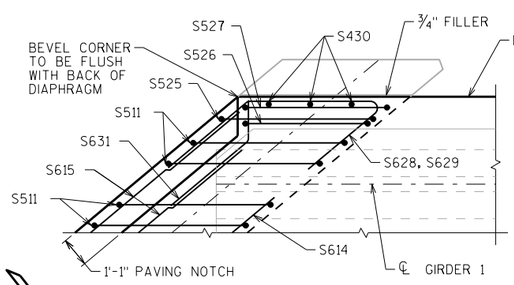
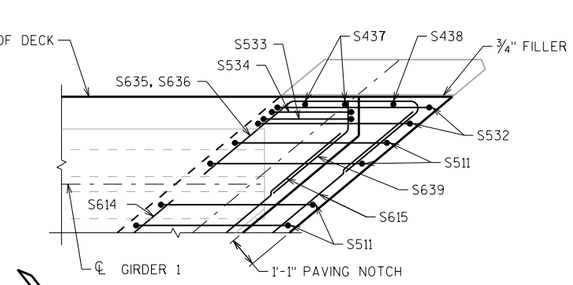
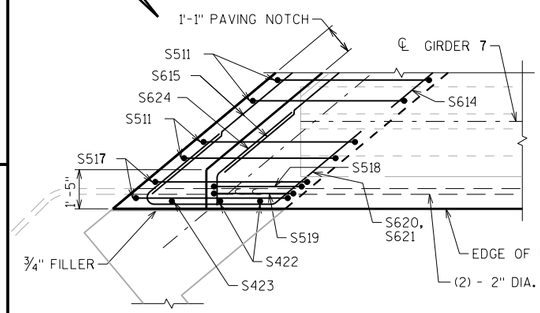


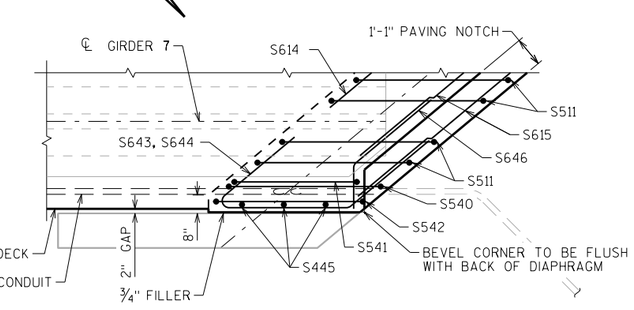
WING 2 DIAPHRAGM - PLAN



WING 3 DIAPHRAGM - PLAN



CLOSURE WALL 1 DIAPHRAGM - PLAN



CLOSURE WALL 4 DIAPHRAGM - PLAN

STATE PROJECT NUMBER

1007-11-76

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S501	X	206	31'-2"		⚠	DECK - TRANS. - BOTTOM - ENDS
S502	X	266	32'-7"			DECK - TRANS.
S403	X	513	38'-11"			DECK - LONG.
S504	X	208	31'-2"		⚠	DECK - TRANS. - TOP - ENDS
S505	X	156	6'-1"	X		DECK - TRANS. - TOP - EDGES
S506	X	338	4'-5"	X		42SS PARAPET - VERT.
S507	X	342	6'-8"	X		42SS PARAPET - VERT.
S508	X	48	39'-0"			42SS PARAPET - HORIZ.
S409	X	84	4'-6"	X		ABUT. DIAPH. - BTWN. GIRDS. - VERT.
S410	X	24	8'-8"			ABUT. DIAPH. - BTWN. GIRDS. - HORIZ.
S511	X	56	17'-4"	X		ABUT. DIAPH. - AT GIRDS. - STIRRUP
S512	X	96	19'-10"	X		ABUT. DIAPH. - BTWN. GIRDS. - STIRRUP
S513	X	96	9'-1"	X		ABUT. DIAPH. - BTWN. GIRDS. - VERT.
S614	X	120	7'-9"			ABUT. DIAPH. - BTWN. GIRDS. - HORIZ. - F.F.
S615	X	42	34'-8"			ABUT. DIAPH. - BTWN. GIRDS. - HORIZ. - B.F.
S516	X	28	6'-0"			ABUT. DIAPH. - HORIZ. - THRU GIRDS.
S517	X	2	19'-10"	X		S. ABUT. DIAPH. - AT CL. WALL 1 - STIRRUP
S518	X	1	8'-7"	X		S. ABUT. DIAPH. - AT CL. WALL 1 - VERT.
S519	X	1	7'-10"	X		S. ABUT. DIAPH. - AT CL. WALL 1 - VERT.
S620	X	1	11'-3"	X		S. ABUT. DIAPH. - AT CL. WALL 1 - HORIZ.
S621	X	4	12'-9"	X		S. ABUT. DIAPH. - AT CL. WALL 1 - HORIZ.
S422	X	2	5'-0"			S. ABUT. DIAPH. - AT CL. WALL 1 - VERT.
S423	X	1	3'-11"			S. ABUT. DIAPH. - AT CL. WALL 1 - VERT.
S624	X	1	4'-8"	X		S. ABUT. DIAPH. - AT CL. WALL 1 - HORIZ. - TOP
S525	X	1	20'-1"	X		S. ABUT. DIAPH. - AT WING 2 - STIRRUP
S526	X	1	9'-9"	X		S. ABUT. DIAPH. - AT WING 2 - VERT.
S527	X	1	19'-1"	X		S. ABUT. DIAPH. - AT WING 2 - STIRRUP
S628	X	1	10'-9"	X		S. ABUT. DIAPH. - AT WING 2 - HORIZ.
S629	X	4	12'-3"	X		S. ABUT. DIAPH. - AT WING 2 - HORIZ.
S430	X	3	5'-0"			S. ABUT. DIAPH. - AT WING 2 - VERT.
S631	X	1	4'-11"	X		S. ABUT. DIAPH. - AT WING 2 - HORIZ. - TOP
S532	X	2	20'-1"	X		N. ABUT. DIAPH. - AT WING 3 - STIRRUP
S533	X	1	8'-7"	X		N. ABUT. DIAPH. - AT WING 3 - VERT.
S534	X	1	7'-11"	X		N. ABUT. DIAPH. - AT WING 3 - VERT.
S635	X	1	11'-3"	X		N. ABUT. DIAPH. - AT WING 3 - HORIZ.
S636	X	4	12'-9"	X		N. ABUT. DIAPH. - AT WING 3 - HORIZ.
S437	X	2	5'-0"			N. ABUT. DIAPH. - AT WING 3 - VERT.
S438	X	1	3'-11"			N. ABUT. DIAPH. - AT WING 3 - VERT.
S639	X	1	4'-8"	X		N. ABUT. DIAPH. - AT WING 3 - HORIZ. - TOP
S540	X	1	19'-10"	X		N. ABUT. DIAPH. - AT CL. WALL 4 - STIRRUP
S541	X	1	9'-9"	X		N. ABUT. DIAPH. - AT CL. WALL 4 - VERT.
S542	X	1	21'-2"	X		N. ABUT. DIAPH. - AT CL. WALL 4 - STIRRUP
S643	X	1	11'-0"	X		N. ABUT. DIAPH. - AT CL. WALL 4 - HORIZ.
S644	X	4	12'-5"	X		N. ABUT. DIAPH. - AT CL. WALL 4 - HORIZ.
S445	X	3	5'-0"			N. ABUT. DIAPH. - AT CL. WALL 4 - VERT.
S646	X	1	5'-1"	X		N. ABUT. DIAPH. - AT CL. WALL 4 - HORIZ. - TOP
S547	X	4	5'-1"	X		42SS PARAPET - VERT. - CORNERS

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

STAINLESS STEEL →	SS901	X	118	5'-0"	X		CONC. ABUT. DIAPH. TO APPROACH SLAB

BAR SERIES TABLE

BAR MARK	NO. REQ'D.	LENGTH
S501	2 SERIES OF 103	2'-9" TO 59'-6"
S504	2 SERIES OF 104	2'-6" TO 59'-10"

BUNDLE AND TAG EACH SERIES SEPARATELY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

SUPERSTRUCTURE DETAILS

SHEET 14

343

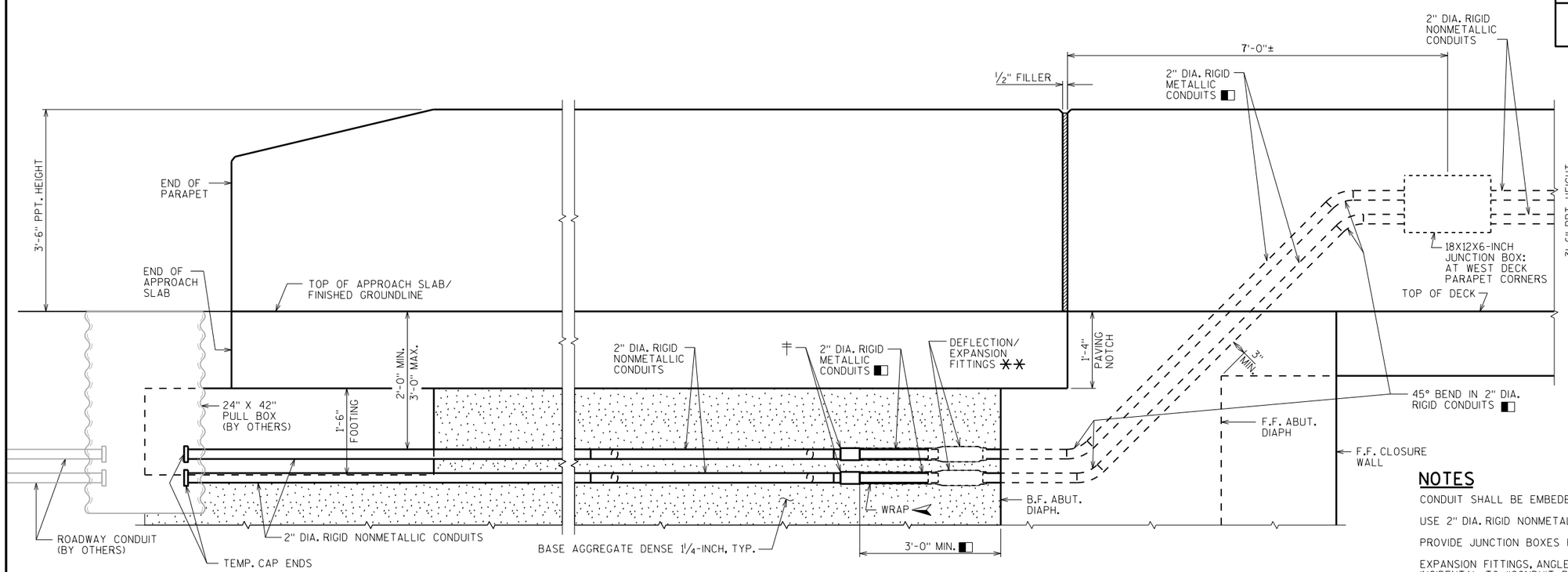
SCALE = 1.33

8

8

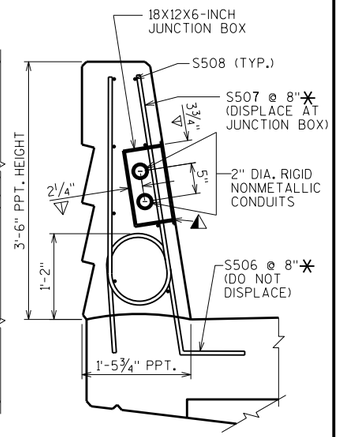
STATE PROJECT NUMBER

1007-11-76



OUTSIDE ELEVATION OF WINGWALL/STRUCTURAL APPROACH SLAB/PARAPET SHOWING CONDUITS

(CORNER 1 SHOWN, CORNER 4 SIMILAR)



SECTION A-A (AT JUNCTION BOX)

NOTES

CONDUIT SHALL BE EMBEDED 2" CLEAR.

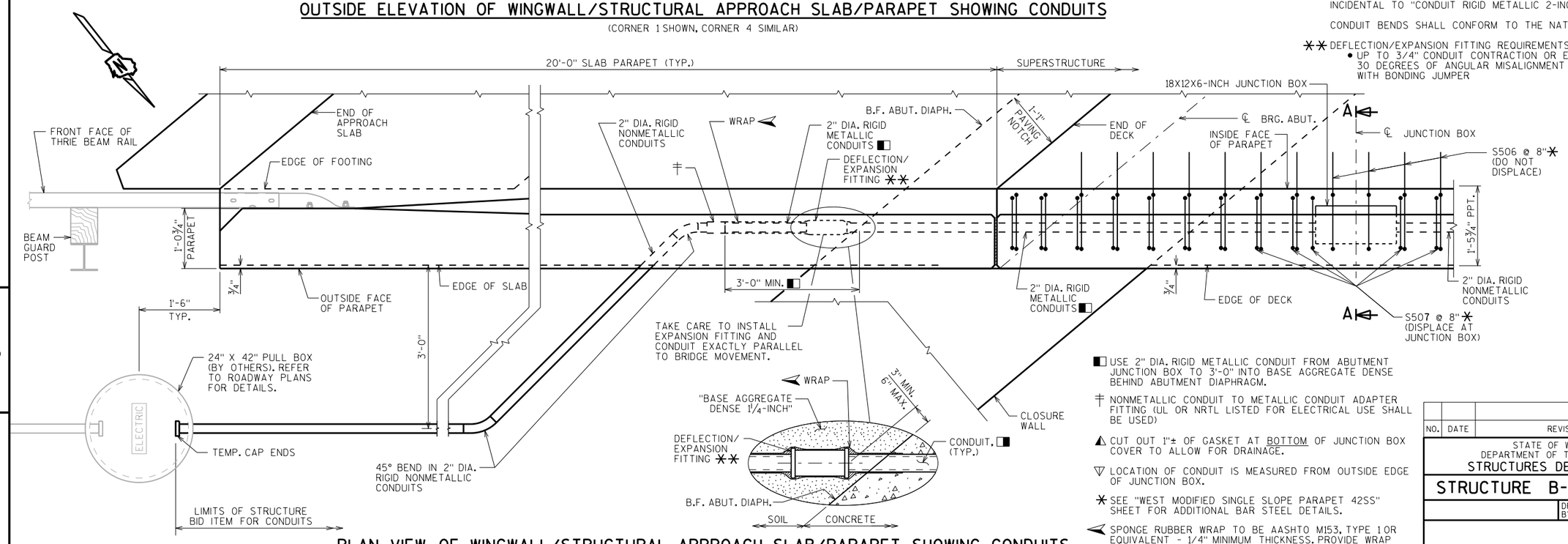
USE 2" DIA. RIGID NONMETALLIC CONDUIT UNLESS OTHERWISE NOTED.

PROVIDE JUNCTION BOXES FROM THE APPROVED PRODUCTS LIST.

EXPANSION FITTINGS, ANGLES AND ADAPTER FITTINGS TO BE INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH"

CONDUIT BENDS SHALL CONFORM TO THE NATIONAL ELECTRIC CODE.

** DEFLECTION/EXPANSION FITTING REQUIREMENTS:
- UP TO 3/4" CONDUIT CONTRACTION OR EXPANSION AND UP TO 30 DEGREES OF ANGULAR MISALIGNMENT IN ANY DIRECTION WITH BONDING JUMPER



PLAN VIEW OF WINGWALL/STRUCTURAL APPROACH SLAB/PARAPET SHOWING CONDUITS

(CORNER 1 SHOWN, CORNER 4 SIMILAR)

- USE 2" DIA. RIGID METALLIC CONDUIT FROM ABUTMENT JUNCTION BOX TO 3'-0" INTO BASE AGGREGATE DENSE BEHIND ABUTMENT DIAPHRAGM.
- NONMETALLIC CONDUIT TO METALLIC CONDUIT ADAPTER FITTING (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED)
- CUT OUT 1"± OF GASKET AT BOTTOM OF JUNCTION BOX COVER TO ALLOW FOR DRAINAGE.
- LOCATION OF CONDUIT IS MEASURED FROM OUTSIDE EDGE OF JUNCTION BOX.
- SEE "WEST MODIFIED SINGLE SLOPE PARAPET 42SS" SHEET FOR ADDITIONAL BAR STEEL DETAILS.
- SPONGE RUBBER WRAP TO BE AASHTO M153, TYPE 1 OR EQUIVALENT - 1/4" MINIMUM THICKNESS. PROVIDE WRAP FOR THE ENTIRE LENGTH OF THE FITTING OR AS SHOWN. SPONGE RUBBER WRAP INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

CONDUIT DETAILS

SHEET 15

344

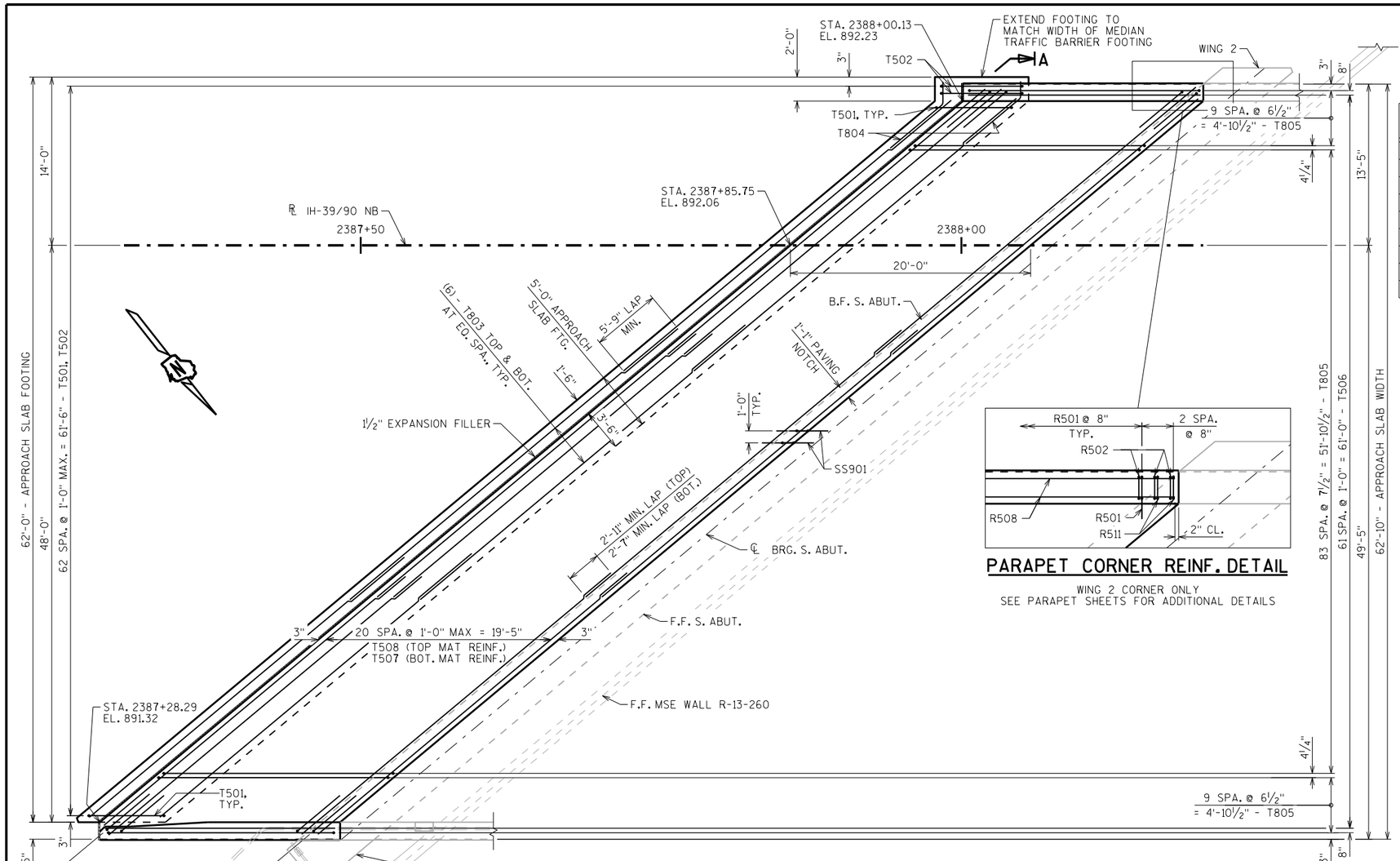
8

8

SCALE = 1.00

STATE PROJECT NUMBER

1007-11-76



PARAPET CORNER REINF. DETAIL

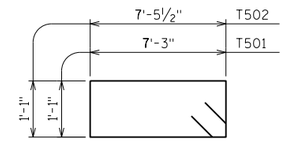
WING 2 CORNER ONLY
SEE PARAPET SHEETS FOR ADDITIONAL DETAILS

BILL OF BARS

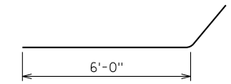
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
T501	X	61	17'-4"	X		APPROACH SLAB FOOTING - STIRRUP
T502	X	2	17'-9"	X		APPROACH SLAB FOOTING - STIRRUP - END
T803	X	36	35'-0"			APPROACH SLAB FOOTING - TRANS.
T804	X	12	7'-3"	X		APPROACH SLAB FOOTING - TRANS. - END
T805	X	104	21'-4"	X		APPROACH SLAB - LONG. - BOT.
T506	X	64	19'-6"			APPROACH SLAB - LONG. - TOP
T507	X	63	34'-3"			APPROACH SLAB -TRANS. - BOT.
T508	X	63	34'-6"			APPROACH SLAB -TRANS. - TOP
T509	X	40	4'-1"	X		APPROACH SLAB - TRANS. - TOP. - EDGE

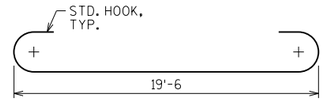
SEE PARAPET SHEETS FOR PARAPET BARS EMBEDDED IN STRUCTURAL APPROACH SLAB.



T501, T502



T804



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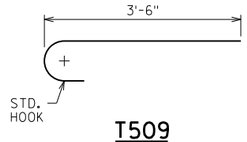
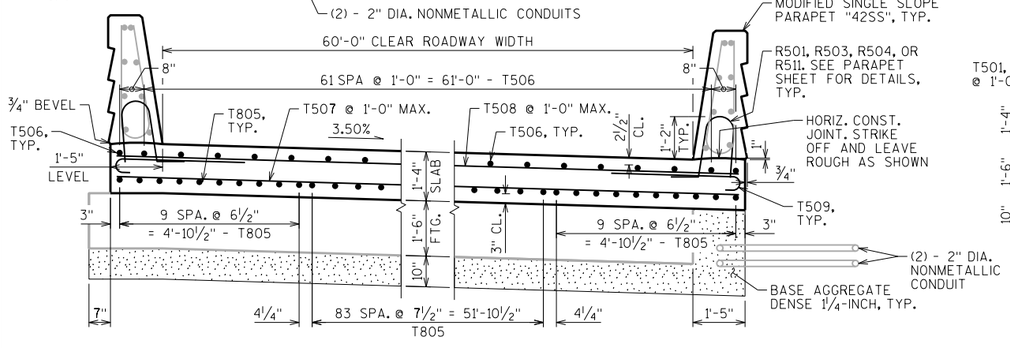


T509

LEGEND

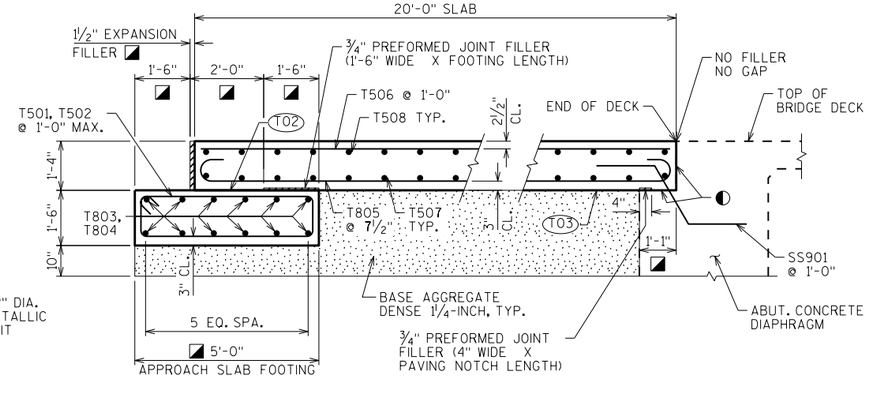
- ◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.
- ◪ MEASURED NORMAL TO ABUTMENT
- (T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.
- (T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE SUBGRADE.

PLAN



SECTION A-A

LOOKING NORTH
NOTE: SEE "SUPERSTRUCTURE" SHEET FOR TYPICAL CROSS SECTION



SECTION THRU APPROACH SLAB

LOOKING WEST

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY: ABS | PLANS CK'D.: SAD

S. STRUCTURAL APPROACH SLAB

SHEET 16

345

SCALE = 5.00

8

8

STATE PROJECT NUMBER

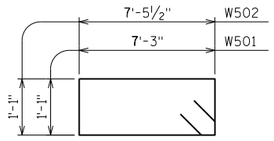
1007-11-76

BILL OF BARS

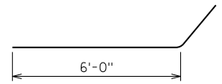
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
W501	X	61	17'-4"	X		APPROACH SLAB FOOTING - STIRRUP
W502	X	2	17'-9"	X		APPROACH SLAB FOOTING - STIRRUP - END
W803	X	36	35'-0"			APPROACH SLAB FOOTING - TRANS.
W804	X	12	7'-3"	X		APPROACH SLAB FOOTING - TRANS. - END
W805	X	104	21'-4"	X		APPROACH SLAB - LONG. - BOT.
W506	X	64	19'-6"			APPROACH SLAB - LONG. - TOP
W507	X	63	34'-3"			APPROACH SLAB -TRANS. - BOT.
W508	X	63	34'-6"			APPROACH SLAB -TRANS. - TOP
W509	X	40	4'-1"	X		APPROACH SLAB - TRANS. - TOP. - EDGE

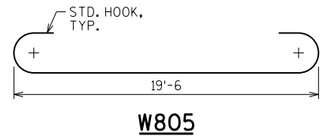
SEE PARAPET SHEETS FOR PARAPET BARS EMBEDDED IN STRUCTURAL APPROACH SLAB.



W501, W502



W804



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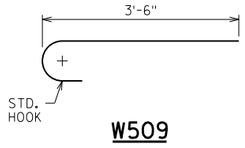
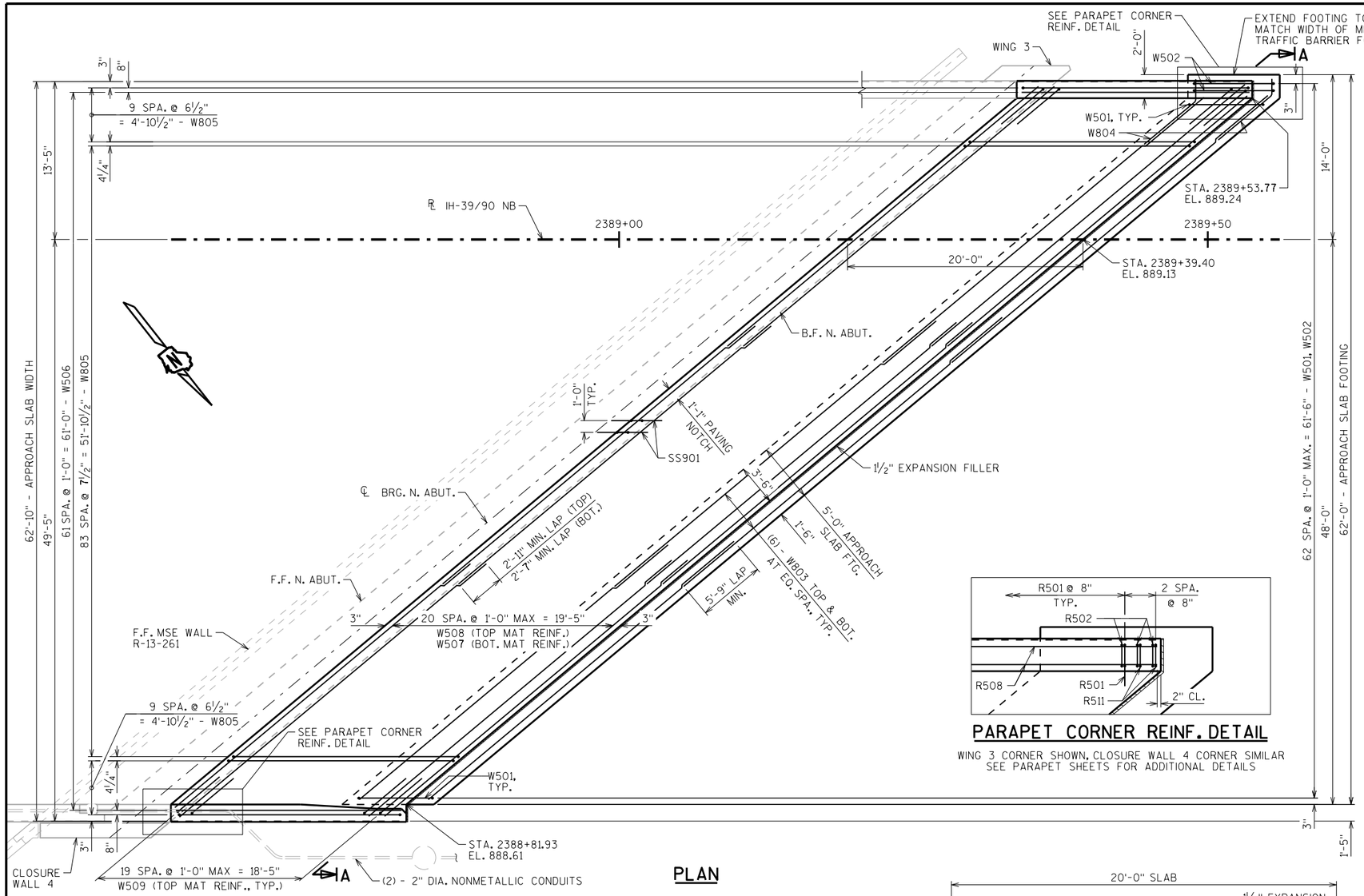


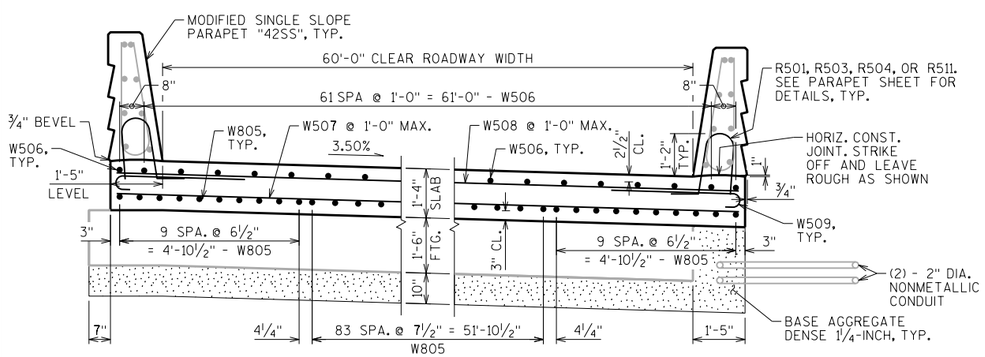
W509

PARAPET CORNER REINF. DETAIL

WING 3 CORNER SHOWN, CLOSURE WALL 4 CORNER SIMILAR
SEE PARAPET SHEETS FOR ADDITIONAL DETAILS

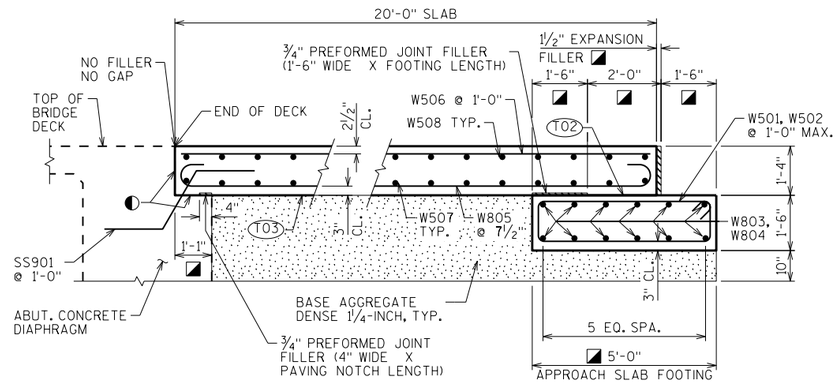


PLAN



SECTION A-A

LOOKING NORTH
NOTE: SEE "SUPERSTRUCTURE" SHEET FOR TYPICAL CROSS SECTION



SECTION THRU APPROACH SLAB

LOOKING WEST

LEGEND

- ◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.
- ◪ MEASURED NORMAL TO ABUTMENT
- (T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.
- (T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE SUBGRADE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

N. STRUCTURAL APPROACH SLAB

SHEET 17

346

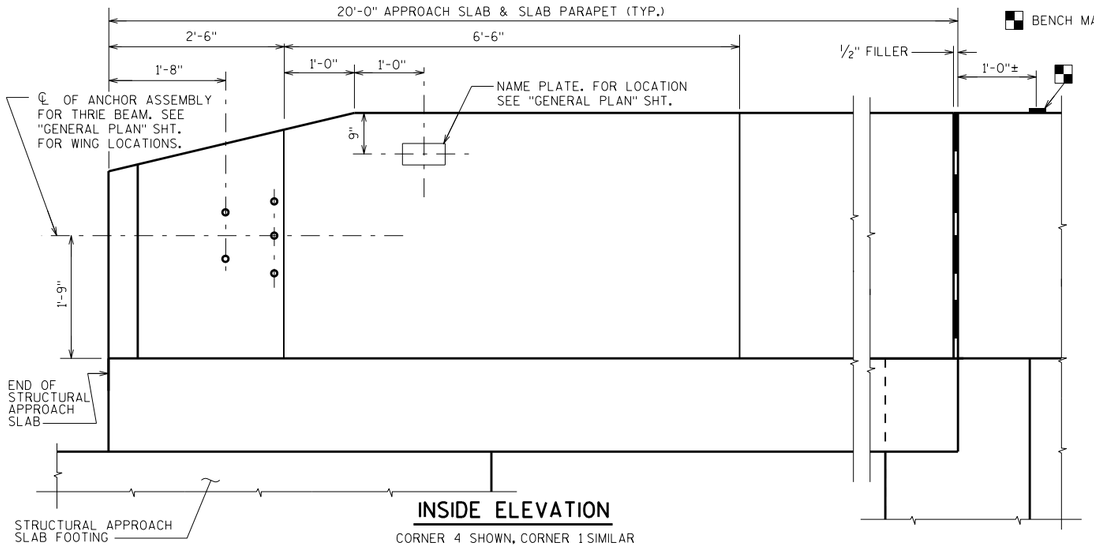
SCALE = 5.00

8

8

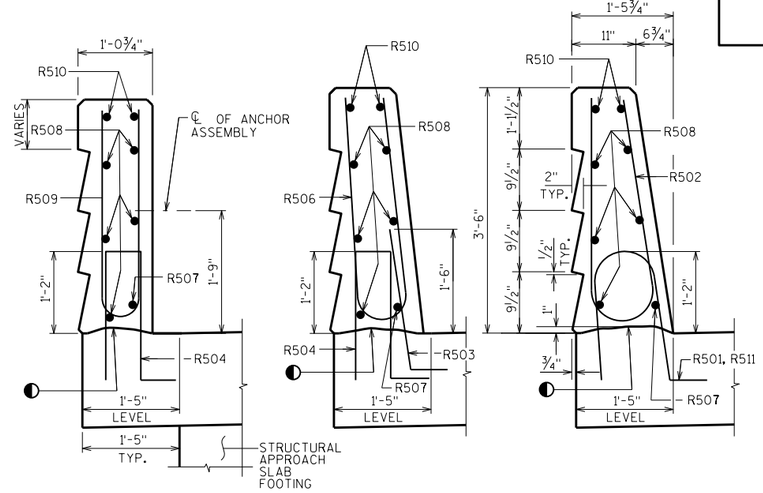
STATE PROJECT NUMBER

1007-11-76



INSIDE ELEVATION

CORNER 4 SHOWN, CORNER 1 SIMILAR

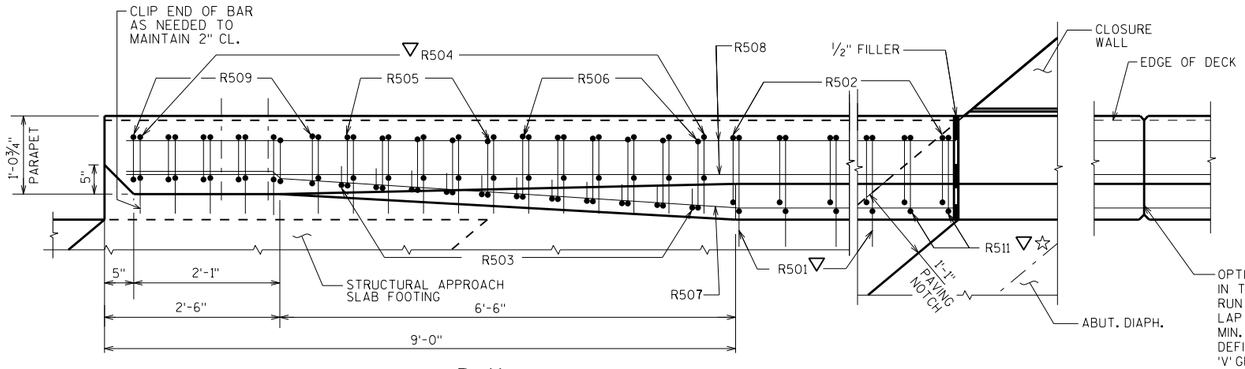


SECTION A-A

SECTION B-B

SECTION C-C

SEE "WEST MODIFIED SINGLE SLOPE PARAPET 42SS" SHEET FOR BILL OF BARS AND REBAR BEND DETAILS.

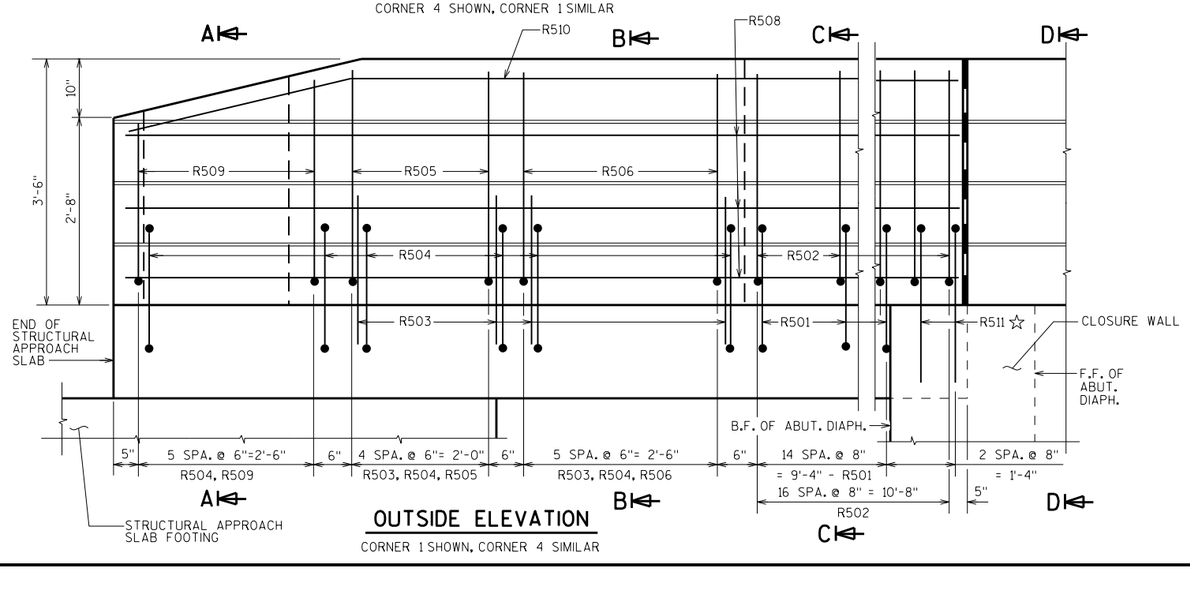


OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" - 'V' GROOVE.

PLAN

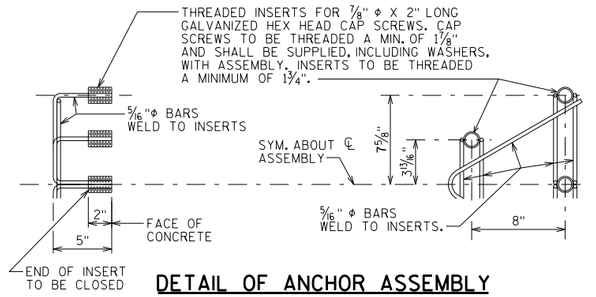
CORNER 4 SHOWN, CORNER 1 SIMILAR

SECTION D-D ON DECK



OUTSIDE ELEVATION

CORNER 1 SHOWN, CORNER 4 SIMILAR



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

☆ SEE "STRUCTURAL APPROACH SLAB" SHEETS FOR LOCATIONS OF R511 BARS.

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

▽ R501, R503, R504, & R511 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

EAST MODIFIED SINGLE SLOPE PARAPET 42SS

SHEET 18

347

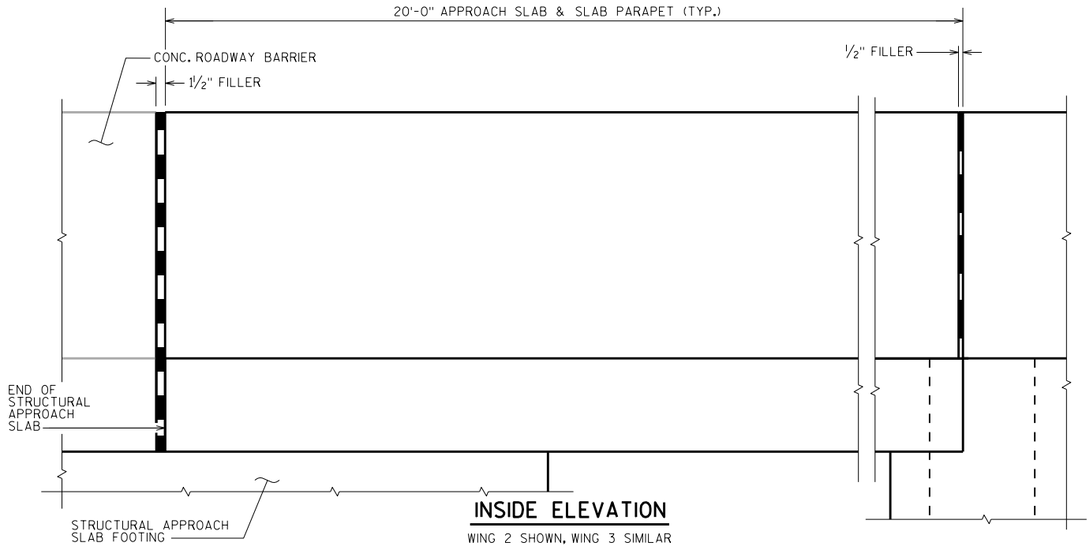
SCALE = 1.05

8

8

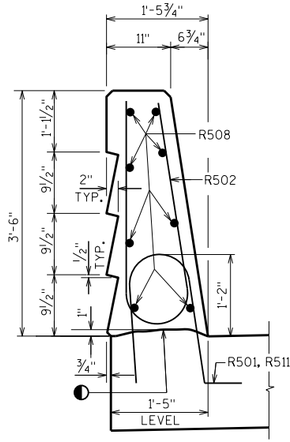
STATE PROJECT NUMBER

1007-11-76

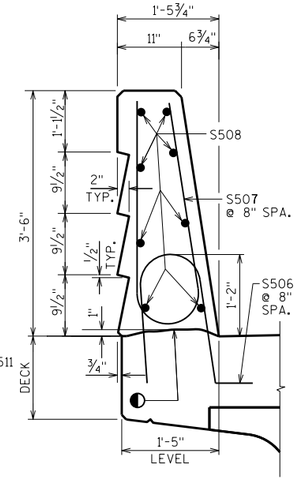


INSIDE ELEVATION

WING 2 SHOWN, WING 3 SIMILAR



SECTION C-C



SECTION D-D ON DECK

BILL OF BARS

FOR STRUCTURAL APPROACH SLAB PARAPETS

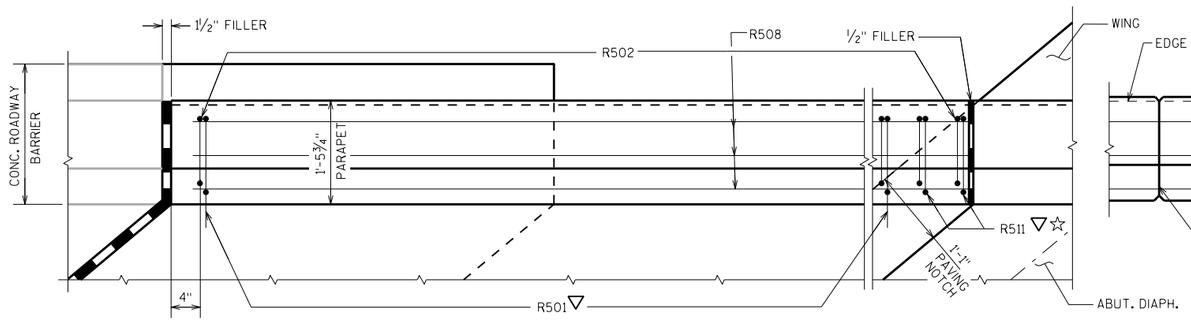
	BAR MARK	COAT	S. APP. SLAB	N. APP. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
▽	R501	X	45	43	4'-5"	X		42SS PARAPET - VERT.
	R502	X	47	47	6'-8"	X		42SS PARAPET - VERT.
▽	R503	X	11	11	2'-9"	X		42SS PARAPET - VERT.
▽	R504	X	17	17	4'-4"	X		42SS PARAPET - VERT.
	R505	X	5	5	6'-5"	X		42SS PARAPET - VERT.
	R506	X	6	6	6'-6"	X		42SS PARAPET - VERT.
	R507	X	1	1	19'-6"	X		42SS PARAPET - HORIZ.
	R508	X	13	13	19'-6"			42SS PARAPET - HORIZ.
	R509	X	6	6	5'-5"		◭	42SS PARAPET - VERT.
	R510	X	2	2	19'-6"	X		42SS PARAPET - HORIZ.
▽	R511	X	2	4	5'-1"	X		42SS PARAPET - CORNERS 2 & 4

◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

MARK	NO. REQD.	LENGTH
R509	2 SERIES OF 6	4'-9" TO 6'-1"

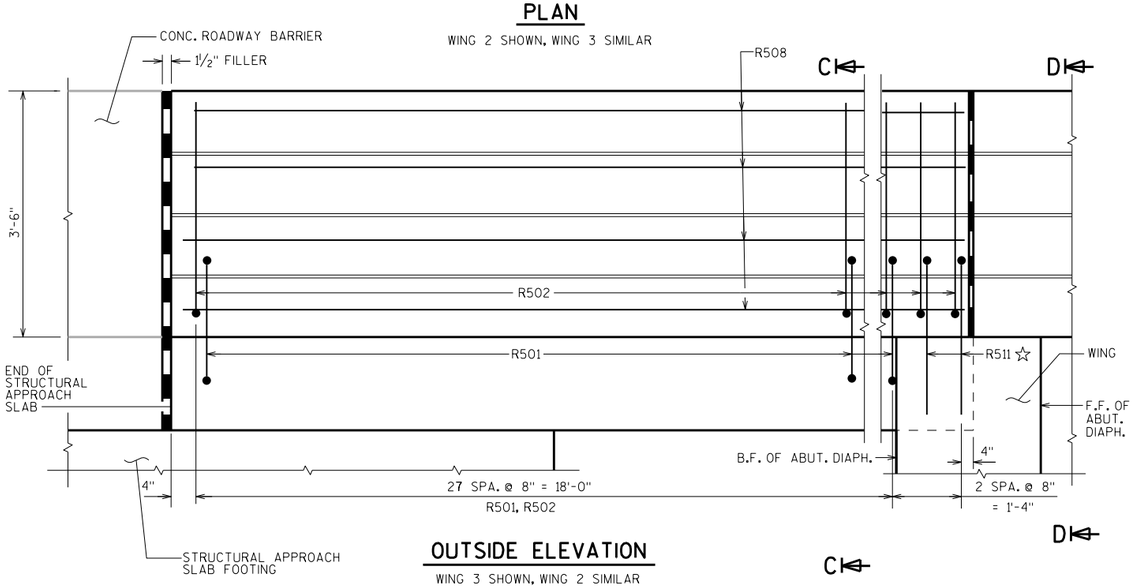
BUNDLE AND TAG EACH SERIES SEPARATELY.



PLAN

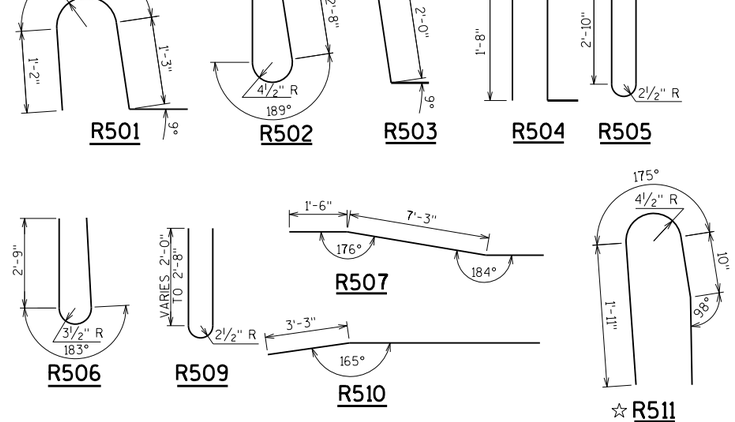
WING 2 SHOWN, WING 3 SIMILAR

OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" - 'V' GROOVE.



OUTSIDE ELEVATION

WING 3 SHOWN, WING 2 SIMILAR



☆ SEE "STRUCTURAL APPROACH SLAB" SHEETS FOR LOCATIONS OF R511 BARS.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

WEST MODIFIED SINGLE SLOPE PARAPET 42SS

SHEET 19

348

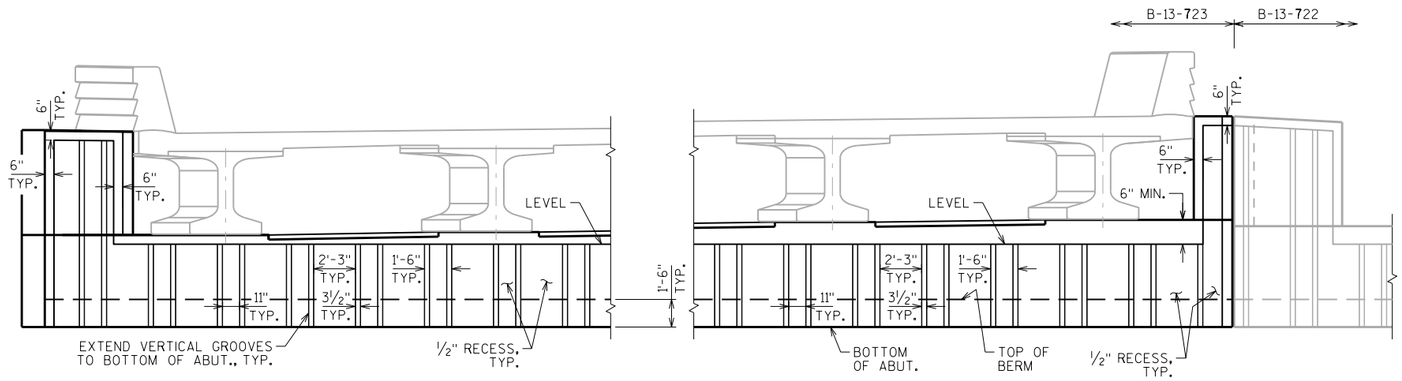
SCALE = 1.05

8

8

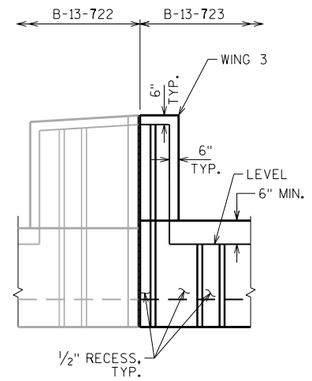
STATE PROJECT NUMBER

1007-11-76

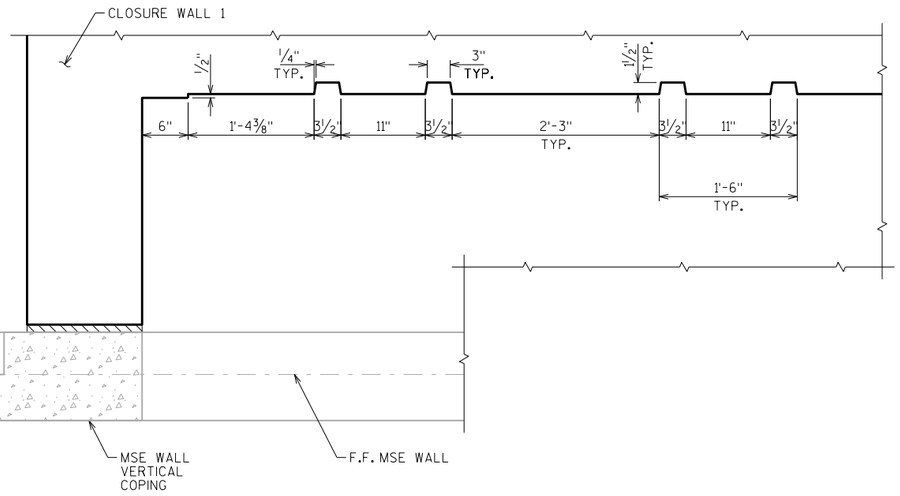


ABUTMENT ELEVATION LOOKING AT F.F.

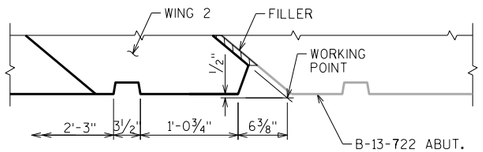
(TYPICAL AT BOTH ABUTMENTS)

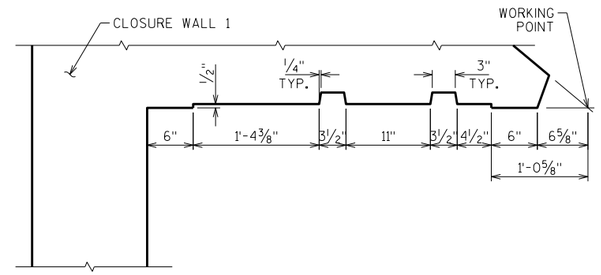


WING 3 ELEVATION LOOKING AT F.F.

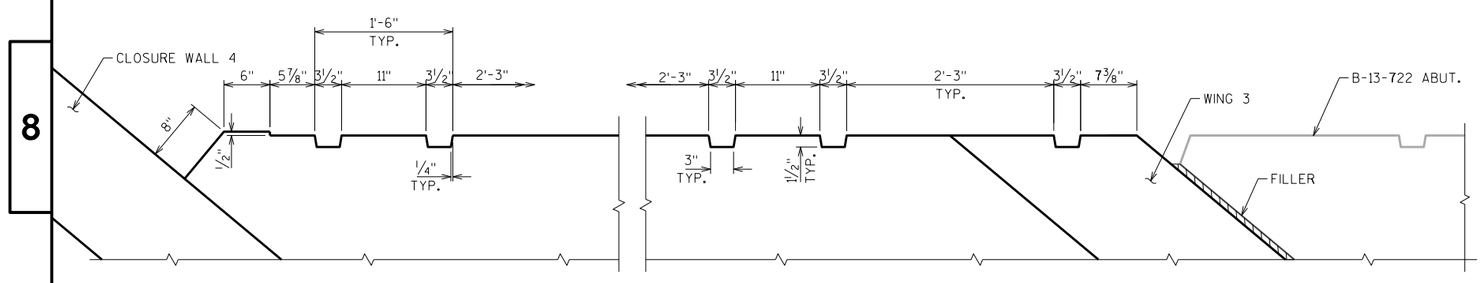


PLAN RUSTICATION DETAIL AT SOUTH ABUTMENT

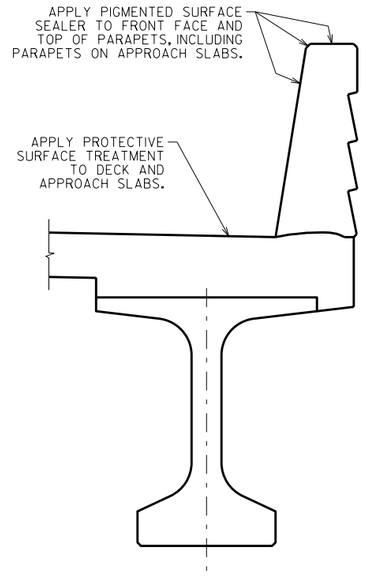




PLAN RUSTICATION DETAIL AT CLOSURE WALL 1 - UPPER POUR



PLAN RUSTICATION DETAIL AT NORTH ABUTMENT



PARTIAL DECK CROSS SECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

AESTHETIC DETAILS

SHEET 20

349

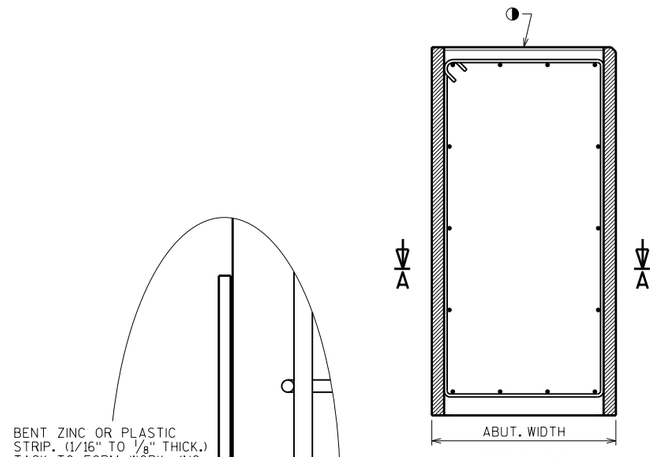
SCALE = 4.00

8

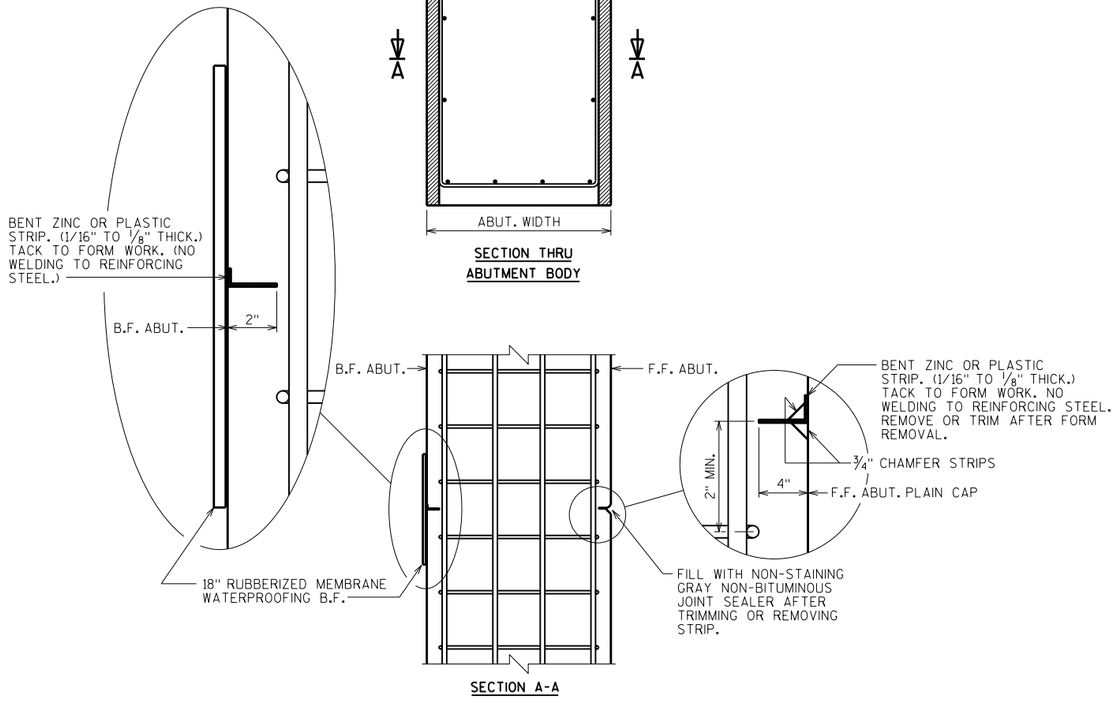
8

STATE PROJECT NUMBER

1007-11-76



SECTION THRU ABUTMENT BODY



SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

◑ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-723

DRAWN BY ABS | PLANS CK'D. SAD

ALTERNATE CONSTRUCTION JOINT

SHEET 21

350

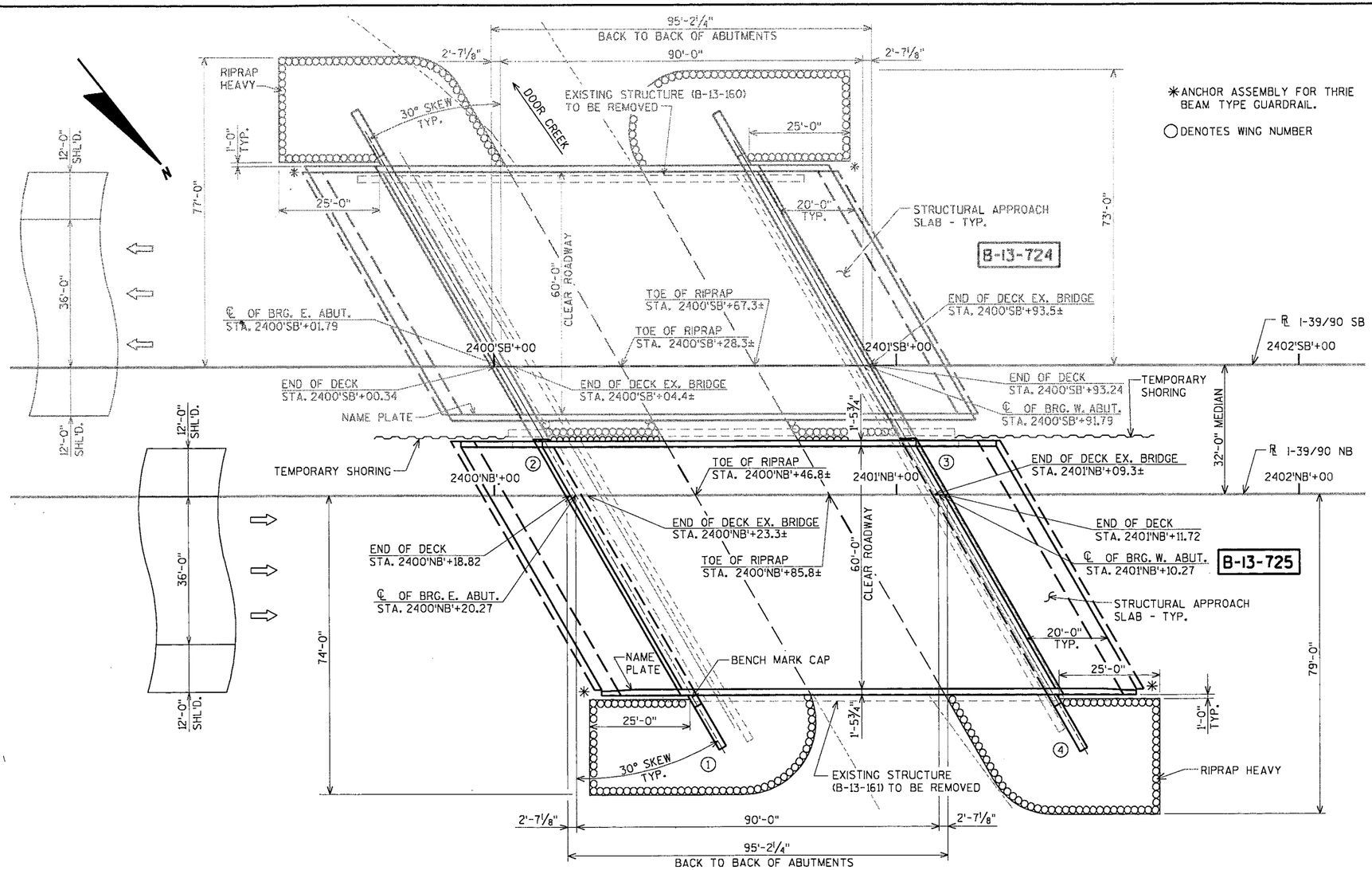
SCALE = 1.00

8

8

$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General\Bridge Information_I-39 over Door Creek_B-13-724
DATE:
DRAWN BY:
CHECKED BY:
DATE:
DATE:
BACK CHECKED BY:
DATE:
CORRECTED BY:

STATE PROJECT NUMBER
1007-11-76



✳ANCHOR ASSEMBLY FOR THRIE BEAM TYPE GUARDRAIL.

◯DENOTES WING NUMBER

LIST OF DRAWINGS

1. GENERAL PLAN
2. TYPICAL SECTION, DESIGN DATA, & PROFILE GRADE LINE
3. QUANTITIES AND NOTES
4. SUBSURFACE EXPLORATION
5. EAST ABUTMENT
6. EAST ABUTMENT DETAILS AND BILL OF BARS
7. WEST ABUTMENT
8. WEST ABUTMENT DETAILS AND BILL OF BARS
9. ALTERNATE CONSTRUCTION JOINT
10. 36W" PRESTRESSED GIRDER DETAILS
11. 36W" PRESTRESSED GIRDER DETAILS
12. STEEL INTER. DIAPHRAGM DETAILS
13. SUPERSTRUCTURE
14. SUPERSTRUCTURE PLAN
15. SUPERSTRUCTURE TRANSVERSE SLAB STEEL LAYOUT
16. SUPERSTRUCTURE DETAILS
17. SUPERSTRUCTURE CORNER DETAILS & BILL OF BARS
18. EAST STRUCTURAL APPROACH SLAB
19. WEST STRUCTURAL APPROACH SLAB
20. STRUCTURAL APPROACH SLAB DETAILS
21. SINGLE SLOPE PARAPET MODIFIED 42SS
22. SINGLE SLOPE PARAPET MODIFIED 42SS

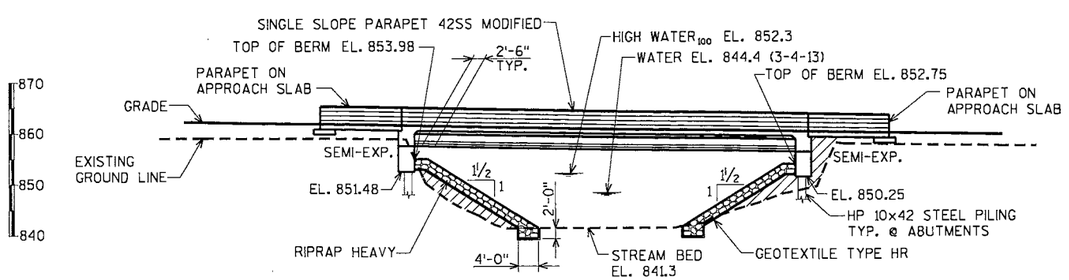
FOR TYPICAL SECTION, DESIGN DATA, AND PROFILE GRADE LINE, SEE SHEET 2

FOR QUANTITIES AND GENERAL NOTES SEE SHEET 3

PLAN

SINGLE SPAN - 36W-INCH PRESTRESSED CONCRETE GIRDER BRIDGE

▨ COST OF EXCAVATION AND FILL IN THE HATCHED AREAS SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR "EXCAVATION FOR STRUCTURES BRIDGES B-13-725".



ELEVATION

(NORMAL TO ℄ OF DOOR CREEK)

WISCONSIN
CHRISTOPHER B. McMAHON
E-29454
EAU CLAIRE
PROFESSIONAL ENGINEER
8/16/17

BRIDGE OFFICE CONTACT:
WILLIAM DREHER
(608)-266-8489

CONSULTANT CONTACT:
CHRIS MCMAHON
(715)-834-3161

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 08/16/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-13-725

I-39/90 NB OVER DOOR CREEK

COUNTY	TOWN/~~CITY/VILLAGE~~
DANE	PLEASANT SPRINGS

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
AEB	CJM	JCK/CLS	CBM

GENERAL PLAN

SHEET 351 OF 22

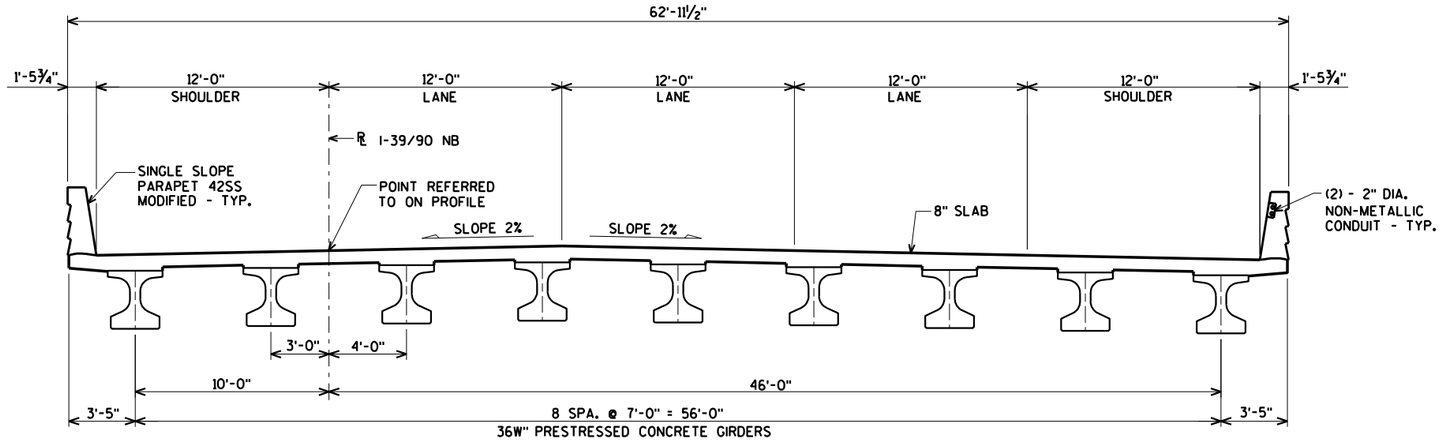
8

8

$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 over Door Creek_B-13-724 & B-13-725\B-13-725\B-13-725

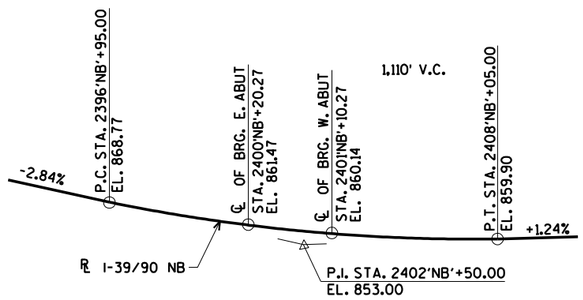
STATE PROJECT NUMBER

1007-11-76



TYPICAL SECTION THRU BRIDGE

(LOOKING WEST)



PROFILE GRADE LINE

(I-39/90 NB)

BENCH MARK:
BRIDGE DISK
STA. 2390+39.90, 78.88' LT.
EL. 884.29

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: 1.14
OPERATING RATING FACTOR: 2.02
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 #/S.F.

MATERIAL PROPERTIES:

CONCRETE MASONRY	SUPERSTRUCTURE (HPC)	f'_c =	4,000 p.s.i.
	ALL OTHER	f'_c =	3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60)		f_y =	60,000 p.s.i.
STRUCTURAL CARBON STEEL ASTM A709 (GRADE 36)		f_y =	36,000 p.s.i.
36W" PRESTRESSED GIRDER			
CONCRETE MASONRY		f'_c =	8,000 p.s.i.
STRANDS - 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF		=	270,000 p.s.i.

HYDRAULIC DATA:

100 YEAR FREQUENCY	2 YEAR FREQUENCY
Q_{100} = 1,625 c.f.s.	HW_2 = EL. 846.2
VEL. = 3.90 f.p.s.	Q_2 = 685 c.f.s.
HW_{100} = EL. 852.3	VEL. = 1.80 f.p.s.
WATERWAY AREA = 417 sq. ft.	
DRAINAGE AREA = 27.2 sq. mi.	
ROADWAY OVERTOPPING = N/A	
SCOUR CRITICAL CODE = 8	
DATUM = NAVD88 (2007)	

FOUNDATION DATA:

ABUTMENTS TO BE SUPPORTED ON HP 10 x 42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS ‡ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH 90'-0" EACH ABUT.

‡ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC DATA:

A.A.D.T. = 24,200 (2009)
A.A.D.T. = 71,800 (2040)
R.D.S. = 70 M.P.H.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

DRAWN BY CLS | PLANS CK'D. CBM

TYPICAL SECTION, DESIGN DATA, & PROFILE GRADE LINE

SHEET 2 OF 22
352

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 over Door Creek_B-13-724 & B-13-725\B-13-725\B-13-725 ty

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	E. STR. APR. SLAB	E. ABUT.	W. ABUT.	W. STR. APR. SLAB	SUPER.	TOTAL
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STATION 2400'NB'+66.30	LS	-----	-----	-----	-----	-----	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-13-725	LS	-----	-----	-----	-----	-----	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	-----	220	220	-----	-----	440
305.0120	BASE AGGREGATE DENSE 1¼-INCH	TON	270	-----	-----	270	-----	540
501.1000.S	ICE HOT WEATHER CONCRETING	LB	670	460	450	670	1,980	4,230
502.0100	CONCRETE MASONRY BRIDGES	CY	20	61	60	20	-----	161
502.3200	PROTECTIVE SURFACE TREATMENT	SY	134	-----	-----	134	653	921
502.3210	PIGMENTED SURFACE SEALER	SY	20	-----	-----	20	93	133
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	-----	-----	-----	-----	819	819
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-----	4,450	4,470	-----	-----	8,920
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	15,170	490	460	15,170	39,510	70,800
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS BRIDGES	LB	1,070	-----	-----	1,070	-----	2,140
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	-----	9	9	-----	-----	18
506.4000	STEEL DIAPHRAGMS B-13-725	EACH	-----	-----	-----	-----	16	16
511.1200	TEMPORARY SHORING B-13-725	SF	-----	265	265	-----	-----	530
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-----	17	17	-----	-----	34
550.1100	PILING STEEL HP 10-INCH x 42 LB	LF	-----	1,170	1,170	-----	-----	2,340
606.0300	RIPRAP HEAVY	CY	-----	290	280	-----	-----	570
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-----	105	105	-----	-----	210
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	1	-----	-----	1	-----	2
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	-----	80	80	-----	-----	160
645.0120	GEOTEXTILE TYPE HR	SY	-----	510	500	-----	-----	1,010
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	-----	-----	-----	-----	40	40
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	-----	-----	-----	-----	185	185
653.0222	JUNCTION BOXES 18X12X6-INCH	EACH	-----	-----	-----	-----	2	2
SPV.0035.700	HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES	CY	69	-----	-----	69	264	402
SPV.0165.700	LONGITUDINAL GROOVING BRIDGE DECK	SF	1,200	-----	-----	1,200	5,575	7,975
	NON-BID ITEMS							
	FILLER	SIZE	-----	-----	-----	-----	-----	½" & ¾"

⊕ HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES SHALL INCLUDE ALL SUPERSTRUCTURE CONCRETE AND ALL STRUCTURAL APPROACH SLAB CONCRETE, EXCEPT THE STRUCTURAL APPROACH SLAB FOOTING CONCRETE.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE FIRST DIGIT OF A THREE DIGIT BAR NO. AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR NO. SIGNIFIES THE BAR SIZE.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M 153, TYPE I, II OR III OR A.A.S.H.T.O. DESIGNATION M 213.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY AND GEOTEXTILE TYPE HR TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET AND IN THE ABUTMENT DETAILS.

THE EXISTING GROUND LINE SHALL BE THE UPPER LIMIT FOR EXCAVATION FOR STRUCTURES.

EXISTING BRIDGE B-13-161 IS A SINGLE-SPAN STEEL GIRDER BRIDGE WITH AN OVERALL LENGTH OF 89'-2" AND A CLEAR ROADWAY WIDTH OF 62'-2". THE EXISTING BRIDGE IS TO BE REMOVED BEFORE CONSTRUCTING B-13-725.

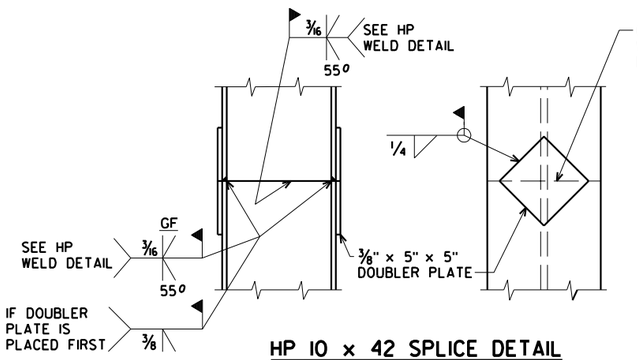
AT BACKFACE OF ABUTMENTS ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE TYPE A.

PROTECTIVE SURFACE TREATMENT AND PIGMENTED SURFACE SEALER IS TO BE APPLIED AS SHOWN IN DETAIL ON THIS SHEET.

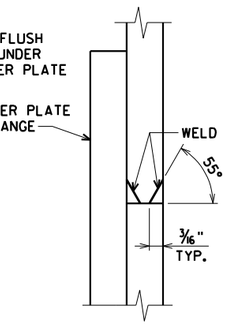
ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE PRESTRESSED GIRDER DETAILS SHEET.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

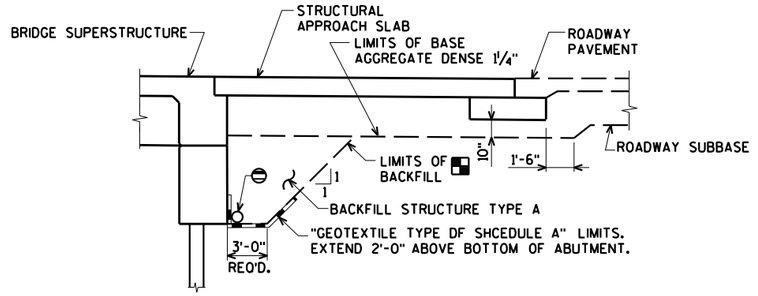


HP 10 x 42 SPLICE DETAIL



HP WELD DETAIL

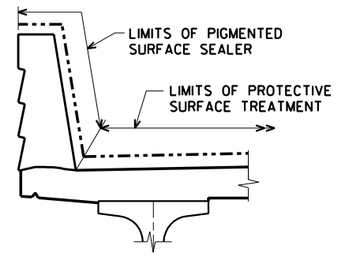
FLANGE SHOWN, WEB SIMILAR



BACKFILL STRUCTURE LIMITS

▩ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCLUDED WITH EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

⊖ PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN AS DETAILED ON SHEET 6.



PROTECTIVE SURFACE TREATMENT AND PIGMENTED SURFACE SEALER DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

DRAWN BY CLS | PLANS CK'D. CBM

QUANTITIES AND NOTES

SHEET 3 OF 22
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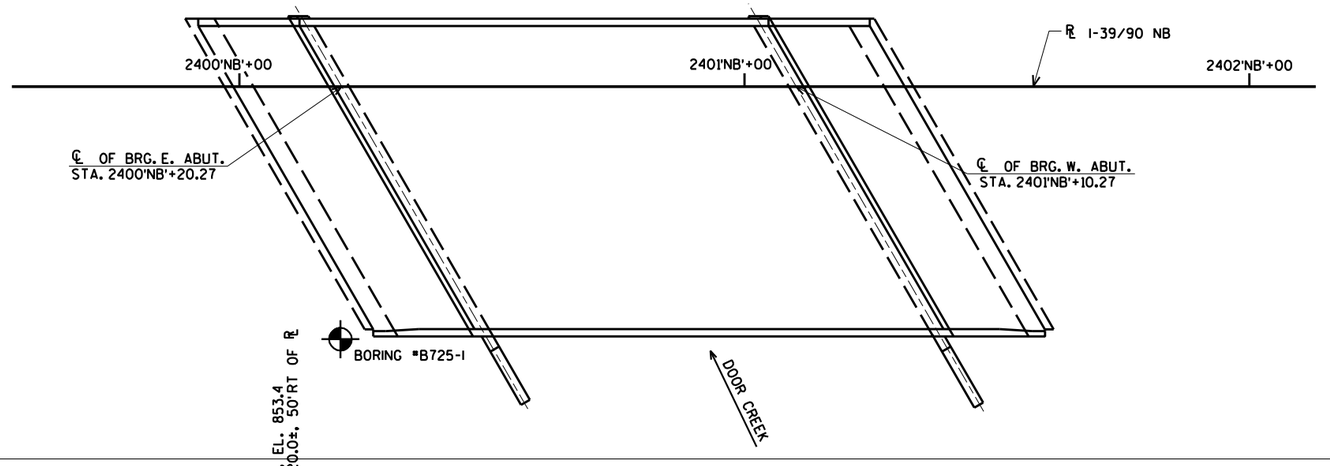
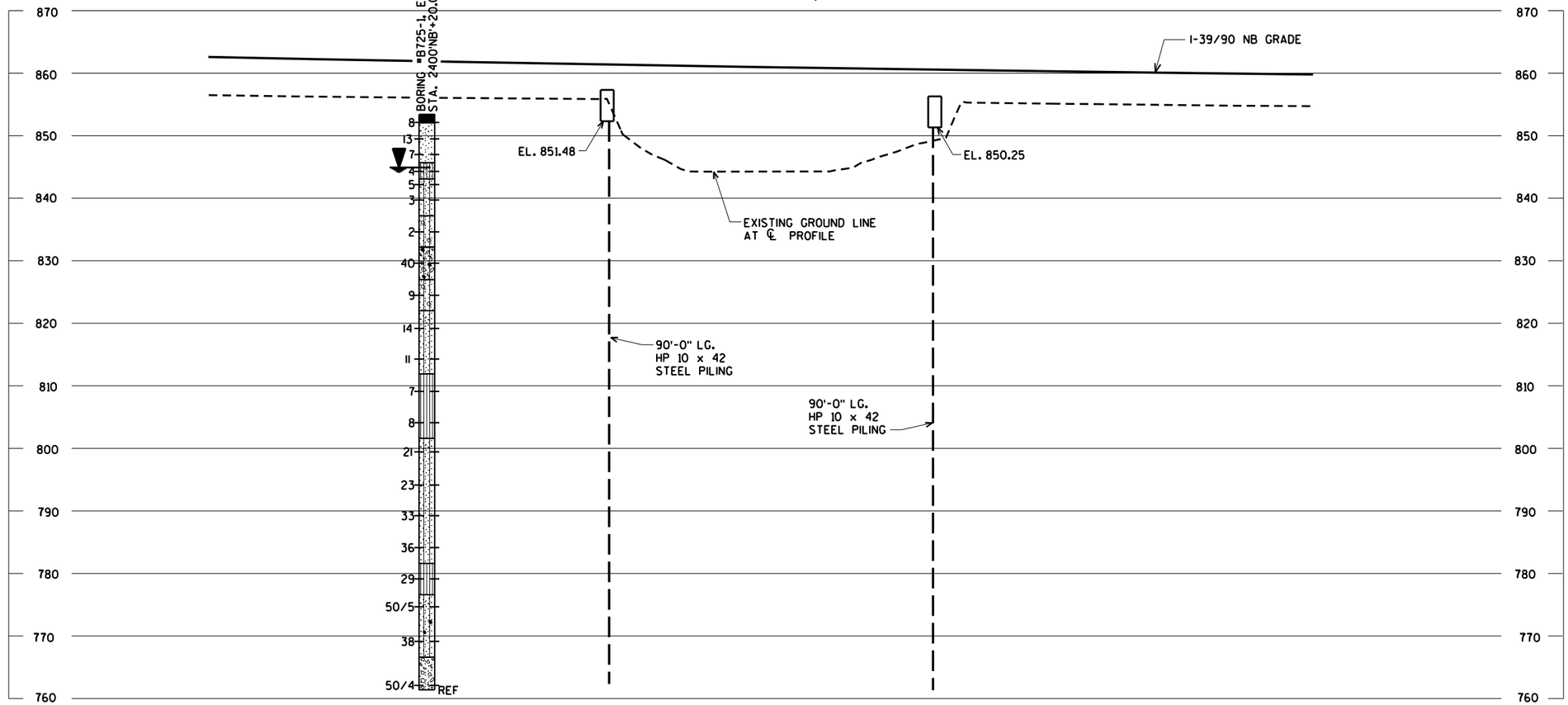
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B725-1	DECEMBER 6, 2012	461149.89	860658.80
BORINGS COMPLETED BY: GESTRA ENGINEERING, INC.			
REPORT COMPLETED BY: GESTRA ENGINEERING, INC.			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY			





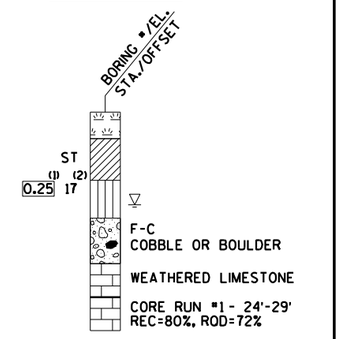
STATE PROJECT NUMBER

1007-11-76

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

DRAWN BY JCK/CLS | PLANS CK'D. CBM

SUBSURFACE EXPLORATION

SHEET 4 OF 22
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8

8

$PRFNAME$
U±41-0660.0X - IH-39 Dane Partners General Bridge Information±_I-39 over Door Creek_B-13-724 & B-13-725±B-13-725±B-13-72

3/20/2017

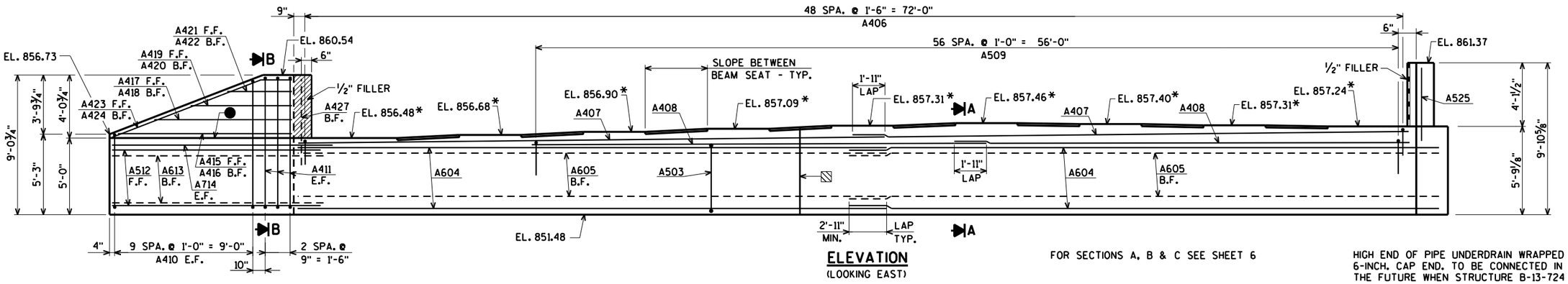
PENTABLE:BReau_shd_util.tbl

$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 over Door Creek_B-13-724 & B-13-725\B-13-725\B-13-725.dgn

STATE PROJECT NUMBER

1007-11-76

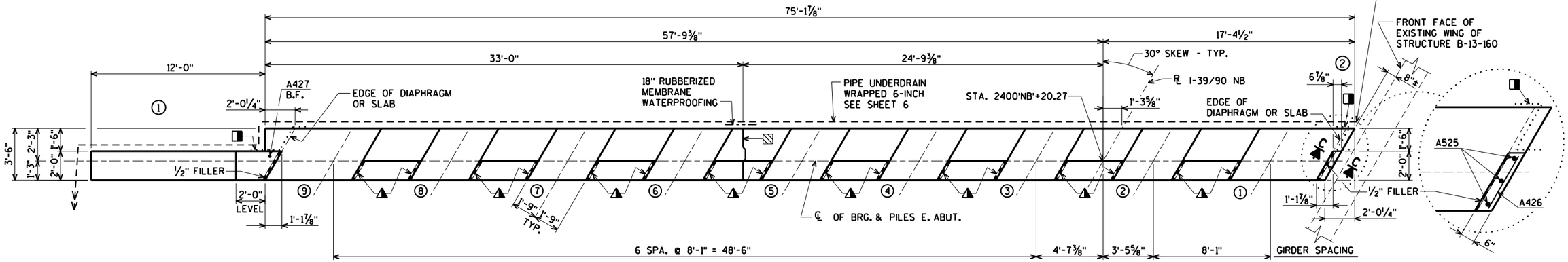
* ELEVATIONS AND DIMENSIONS TAKEN AT ℄ OF BRG. & PILES



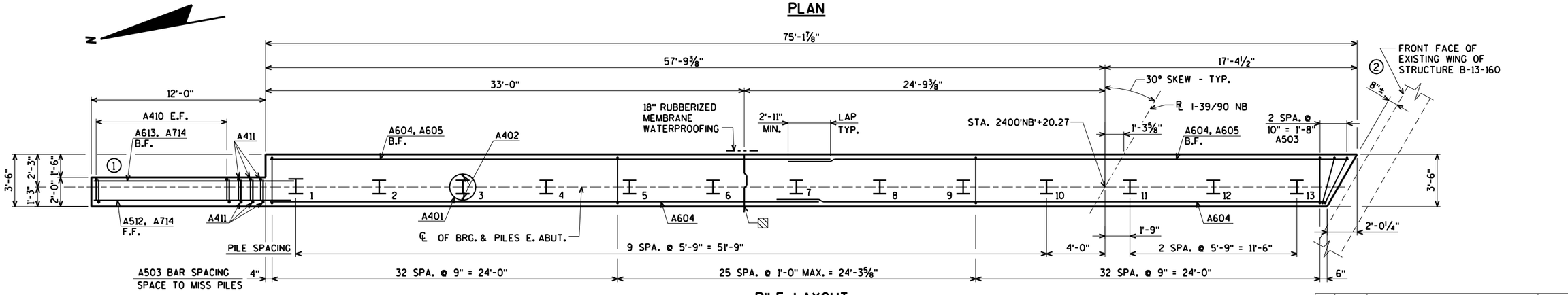
ELEVATION
(LOOKING EAST)

FOR SECTIONS A, B & C SEE SHEET 6

HIGH END OF PIPE UNDERDRAIN WRAPPED 6-INCH. CAP END. TO BE CONNECTED IN THE FUTURE WHEN STRUCTURE B-13-724 IS CONSTRUCTED.



PLAN



PILE LAYOUT

● OPT. KEYED CONST. JOINT - FORMED BY A SURFACED BEVELED 2" x 6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

◨ 18" RUBBERIZED MEMBRANE WATERPROOFING FROM BRIDGE SEAT TO TOP OF WING.

▲ ¾" CORK FILLER ON VERTICAL BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

▨ VERT. CONST. JT. - KEYWAY FORMED BY A SURFACED BEVELED 2" x 8". BEVEL EXPOSED EDGES ¾". FOR ALTERNATE CONST. JT. DETAILS SEE SHEET 9. SEAL JOINT AT BACK FACE WITH 18" RUBBERIZED MEMBRANE WATERPROOFING

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

FOR PILE SPLICE DETAIL SEE SHEET 3.

NOTE: SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

DRAWN BY CLS | PLANS CK'D. CBM

EAST ABUTMENT

SHEET 5 OF 22
355

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
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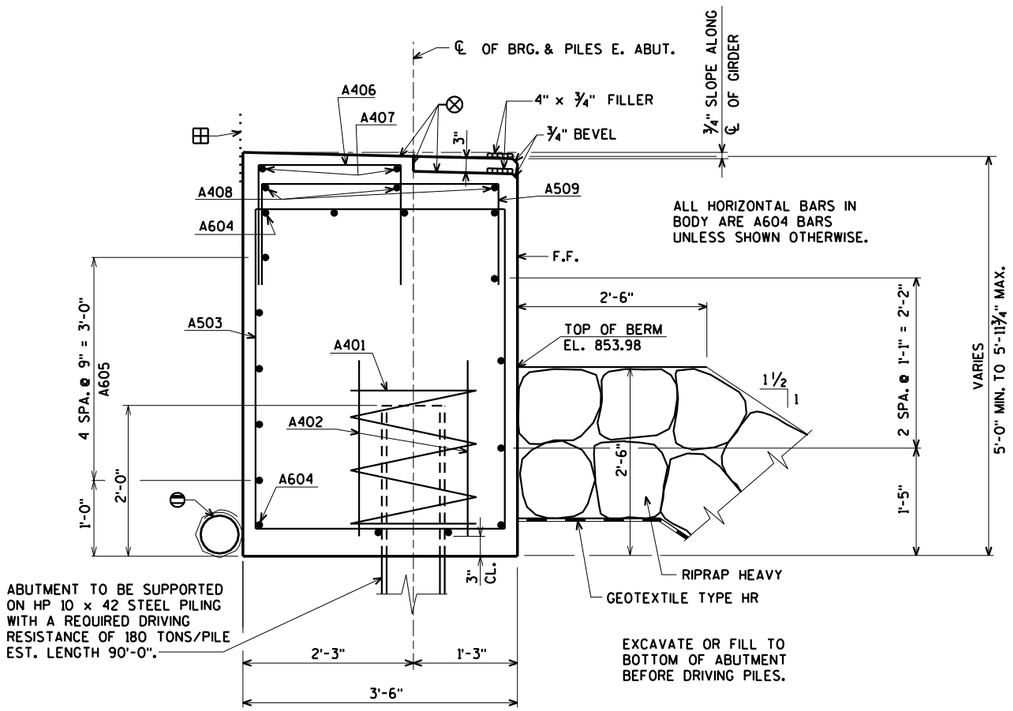
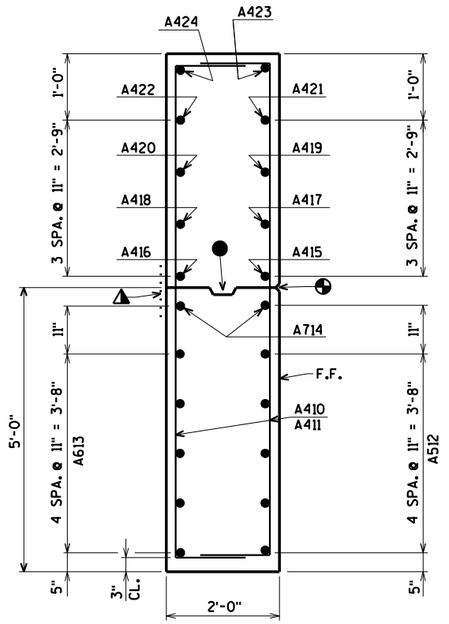
STATE PROJECT NUMBER

1007-11-76



SECTION A

FOR LOCATIONS OF SECTIONS A, B & C SEE SHEET 5



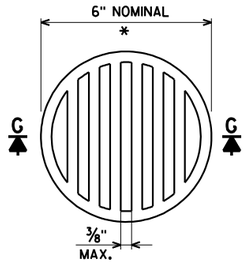
SECTION B

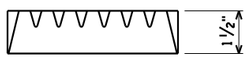
BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR SERIES	490# COATED 4,450# UNCOATED LOCATION
A401		13	28-0	X		BODY @ PILES
A402		26	2-3			BODY @ PILES
A503		92	15-8	X		BODY VERT.
A604		22	38-10			BODY HORIZ.
A605		10	38-10			BODY HORIZ. B.F.
A406		49	5-1	X		BODY VERT. TOP
A407		4	38-4			BODY HORIZ. TOP
A408		6	29-3			BODY HORIZ.
A509		57	7-0	X		BODY VERT.
A410	X	20	9-0	X	⊗	WING 1 VERT. E.F.
A411	X	6	11-1	X		WING 1 VERT. E.F.
A512	X	5	13-7			WING 1 HORIZ. F.F.
A613	X	5	13-11			WING 1 HORIZ. B.F.
A714	X	2	14-7			WING 1 HORIZ. E.F.
A415	X	1	11-2			WING 1 HORIZ. F.F.
A416	X	1	12-0			WING 1 HORIZ. B.F.
A417	X	1	8-9			WING 1 HORIZ. F.F.
A418	X	1	9-7			WING 1 HORIZ. B.F.
A419	X	1	6-4			WING 1 HORIZ. F.F.
A420	X	1	7-2			WING 1 HORIZ. B.F.
A421	X	1	3-11			WING 1 HORIZ. F.F.
A422	X	1	4-9			WING 1 HORIZ. B.F.
A423	X	1	12-4	X		WING 1 DIAG. F.F.
A424	X	1	13-2	X		WING 1 DIAG. B.F.
A525	X	3	5-9			WING 2 VERT.
A426	X	5	1-11			WING 2 HORIZ.
A427	X	1	5-0			WING 1 CORNER VERT.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

⊗ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.





SECTION G-G

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCLUDED WITH THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SCREEN TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH SHEET METAL SCREWS.

RODENT SHIELD DETAIL

⊖ PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN. SEE THIS SHEET FOR DETAILS.

⊞ 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENT.

● OPT. KEYED CONST. JOINT - FORMED BY A SURFACED BEVELED 2" x 6".

◔ ¾" 'V' GROOVE ON F.F. OF WING WALL NOT REQUIRED IF CONST. JT. IS NOT USED.

⊗ STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING AND/OR SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".

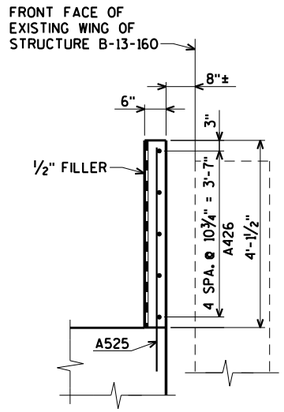
⚠ RUBBERIZED MEMBRANE WATERPROOFING IF CONST. JT. IS USED. COST INCLUDED WITH BID ITEM "CONCRETE MASONRY BRIDGES".

F.F. DENOTES FRONT FACE

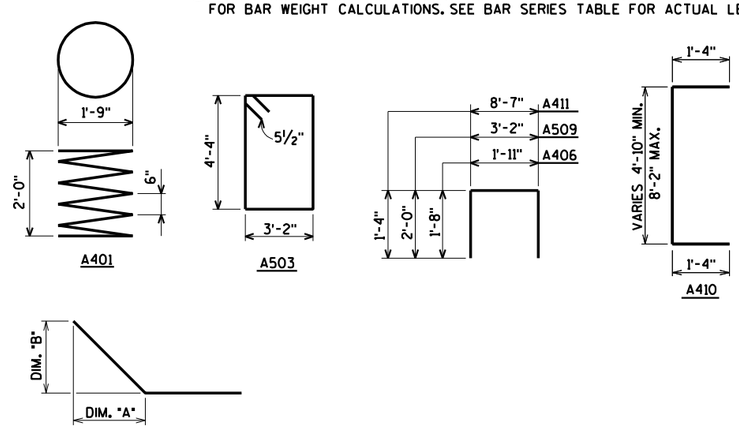
B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

FOR PILE SPLICE DETAIL SEE SHEET 3.



SECTION C



BAR NO.	DIM. "A"	DIM. "B"
A423	9'-10"	3'-10"
A424	9'-10"	3'-10"

BAR SERIES TABLE

BAR MARK	NO REQ'D.	LENGTH
A410	2 SERIES OF 10	7'-4" TO 10'-8"

BUNDLE AND TAG EACH SERIES SEPARATELY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

DRAWN BY CLS | PLANS CK'D. CBM

EAST ABUTMENT DETAILS AND BILL OF BARS

SHEET 6 OF 22
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ORIGINAL PLANS PREPARED BY
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STATE PROJECT NUMBER

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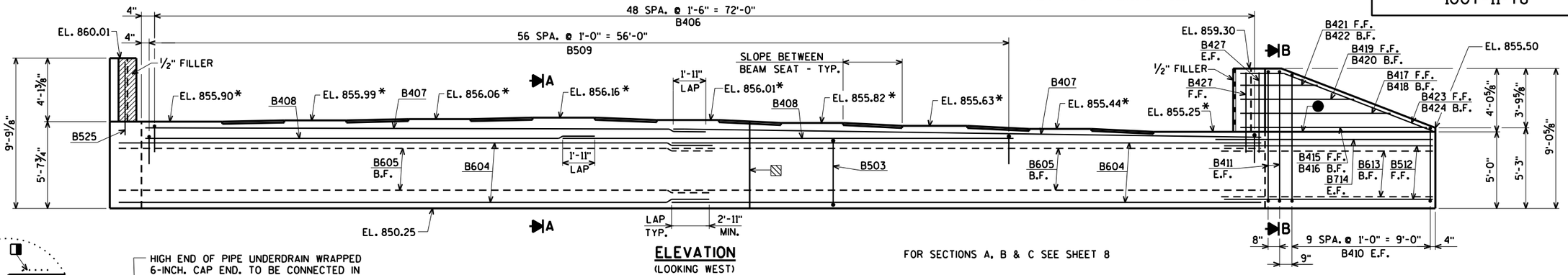
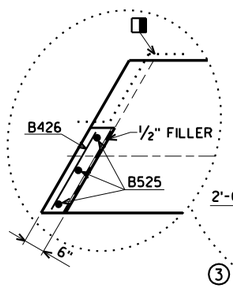
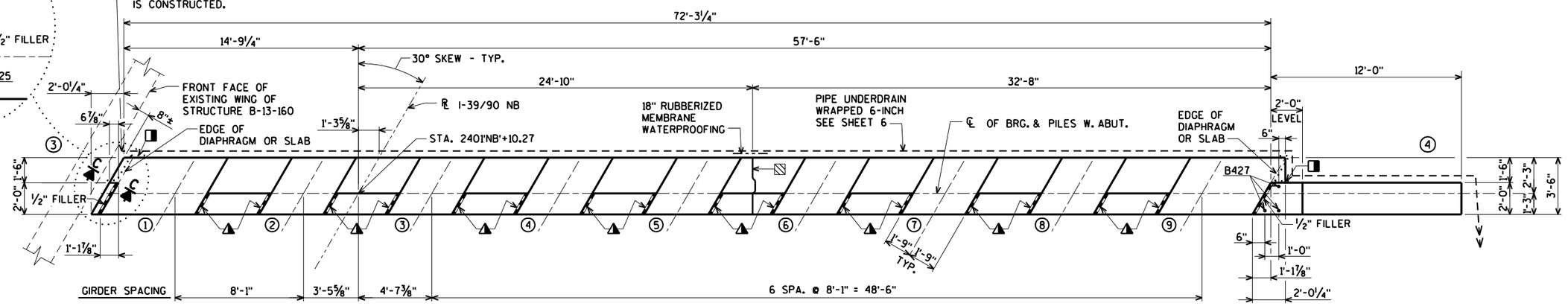
* ELEVATIONS AND DIMENSIONS TAKEN AT ℄ OF BRG. & PILES



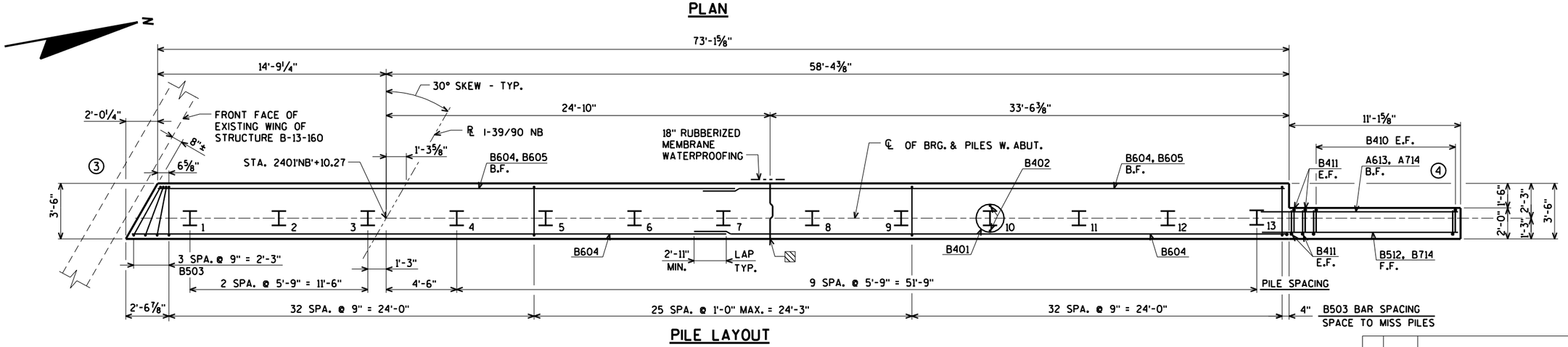
ELEVATION
(LOOKING WEST)

FOR SECTIONS A, B & C SEE SHEET 8





PLAN



PILE LAYOUT

● OPT. KEYED CONST. JOINT - FORMED BY A SURFACED BEVELED 2" x 6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

◨ 18" RUBBERIZED MEMBRANE WATERPROOFING FROM BRIDGE SEAT TO TOP OF WING.

▲ ¾" CORK FILLER ON VERTICAL BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

▨ VERT. CONST. JT. - KEYWAY FORMED BY A SURFACED BEVELED 2" x 8". BEVEL EXPOSED EDGES ¾". FOR ALTERNATE CONST. JT. DETAILS SEE SHEET 9. SEAL JOINT AT BACK FACE WITH 18" RUBBERIZED MEMBRANE WATERPROOFING

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

FOR PILE SPLICE DETAIL SEE SHEET 3.

NOTE: SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

DRAWN BY CLS | PLANS CK'D. CBM

WEST ABUTMENT

SHEET 7 OF 22
357

ORIGINAL PLANS PREPARED BY
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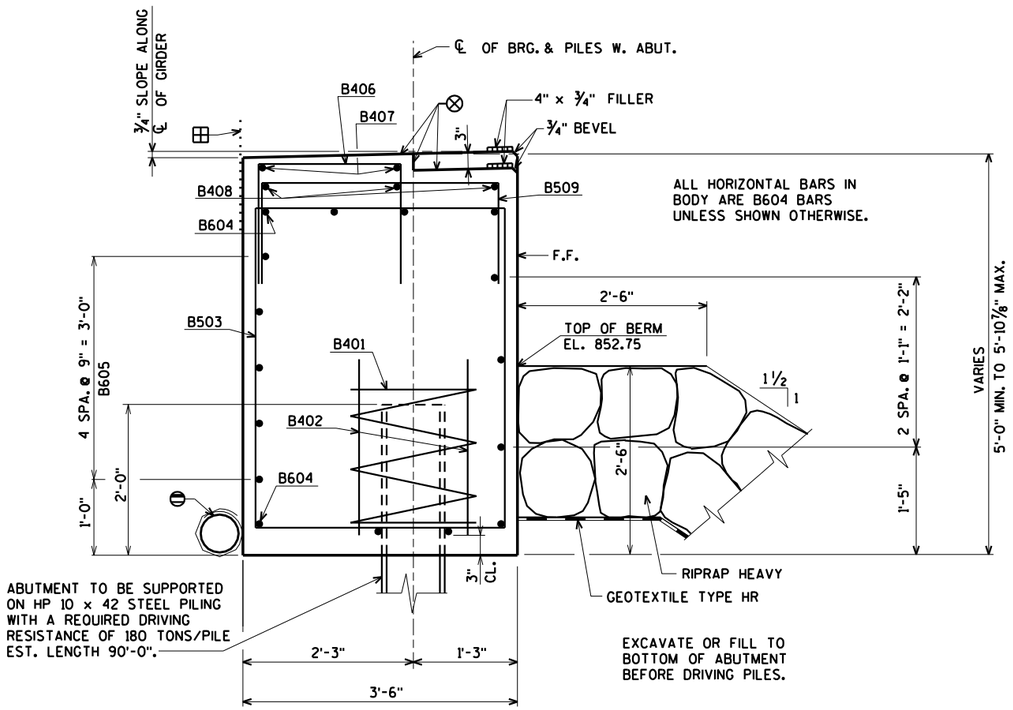
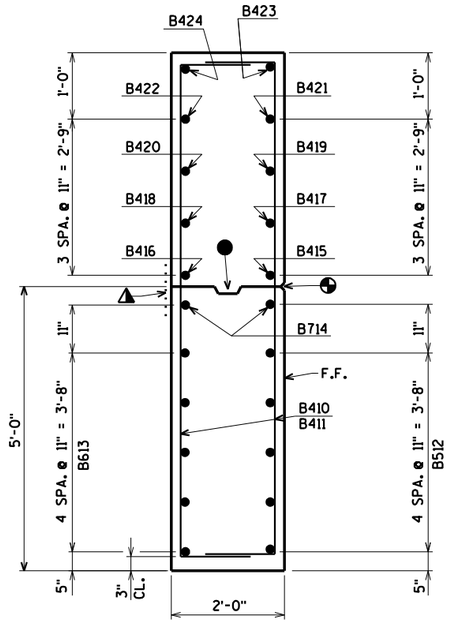


SECTION A

FOR LOCATIONS OF SECTIONS A, B & C SEE SHEET 7



SECTION B

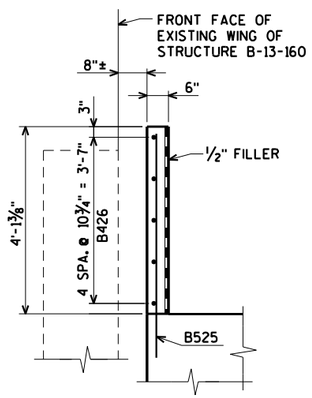
- ⊖ PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN. SEE SHEET 6 FOR DETAILS.
- ⊞ 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENT.
- ● OPT. KEYED CONST. JOINT - FORMED BY A SURFACED BEVELED 2" x 6".
- ⊕ ¾" 'V' GROOVE ON F.F. OF WING WALL NOT REQUIRED IF CONST. JT. IS NOT USED.
- ⊗ STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING AND/OR SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE AT LWEST 0.03".
- ⚠ RUBBERIZED MEMBRANE WATERPROOFING IF CONST. JT. IS USED. COST INCLUDED WITH BID ITEM "CONCRETE MASONRY BRIDGES".

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

FOR PILE SPLICE DETAIL SEE SHEET 3.



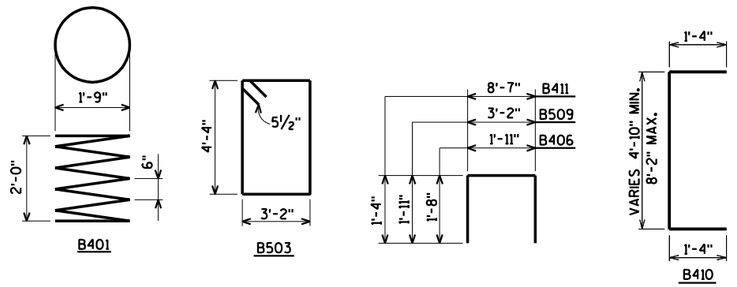
SECTION C

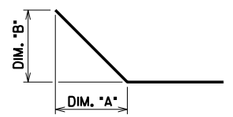
BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR SERIES	460° COATED 4,470° UNCOATED LOCATION
B401		13	28-0	X		BODY @ PILES
B402		26	2-3			BODY @ PILES
B503		93	15-8	X		BODY VERT.
B604		22	39-1			BODY HORIZ.
B605		10	39-1			BODY HORIZ. B.F.
B406		49	5-1	X		BODY VERT. TOP
B407		4	37-2			BODY HORIZ. TOP
B408		6	29-3			BODY HORIZ.
B509		57	6-10	X		BODY VERT.
B410	X	20	9-0	X	⊗	WING 4 VERT. E.F.
B411	X	4	11-1	X		WING 4 VERT. E.F.
B512	X	5	12-9			WING 4 HORIZ. F.F.
B613	X	5	13-1			WING 4 HORIZ. B.F.
B714	X	2	13-9			WING 4 HORIZ. E.F.
B415	X	1	12-0			WING 4 HORIZ. F.F.
B416	X	1	11-2			WING 4 HORIZ. B.F.
B417	X	1	9-7			WING 4 HORIZ. F.F.
B418	X	1	8-9			WING 4 HORIZ. B.F.
B419	X	1	7-2			WING 4 HORIZ. F.F.
B420	X	1	6-4			WING 4 HORIZ. B.F.
B421	X	1	4-9			WING 4 HORIZ. F.F.
B422	X	1	3-11			WING 4 HORIZ. B.F.
B423	X	1	13-2	X		WING 4 DIAG. F.F.
B424	X	1	12-4	X		WING 4 DIAG. B.F.
B525	X	3	5-9			WING 3 VERT.
B426	X	5	1-11			WING 3 HORIZ.
B427	X	3	5-0			WING 3 CORNER VERT.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

⊗ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.





BAR NO.	DIM. "A"	DIM. "B"
B423	9'-10"	3'-10"
B424	9'-10"	3'-10"

BAR SERIES TABLE

BAR MARK	NO REQ'D.	LENGTH
B410	2 SERIES OF 10	7'-4" TO 10'-8"

BUNDLE AND TAG EACH SERIES SEPARATELY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

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WEST ABUTMENT DETAILS AND BILL OF BARS

SHEET 8 OF 22
358

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3/21/2017

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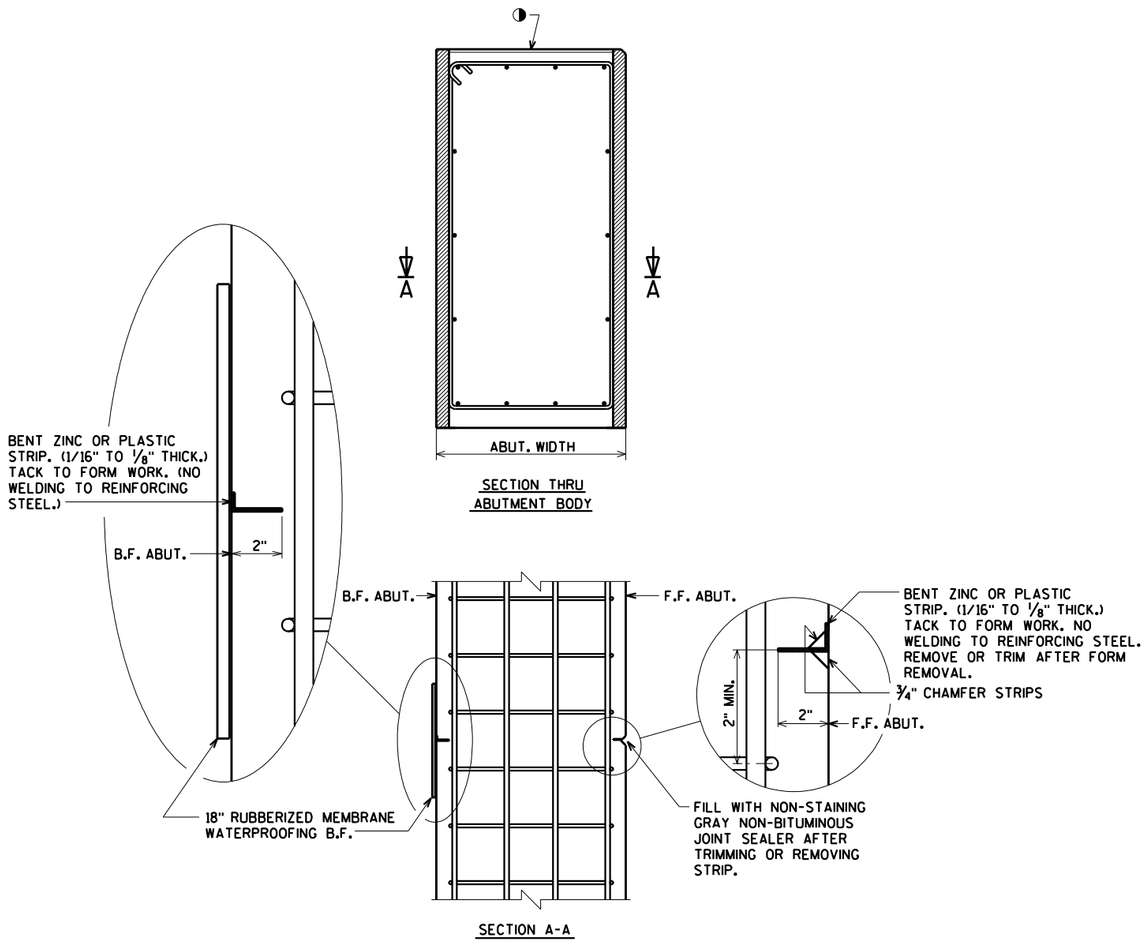
U:±41-0660.0X - IH-39 Dane Partners General Bridge Information±_I-39 over Door Creek_B-13-724 & B-13-725±B-13-725±B-13-725 d

STATE PROJECT NUMBER

1007-11-76



ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

◑ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

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ALTERNATE CONSTRUCTION JOINT

SHEET 9 OF 22
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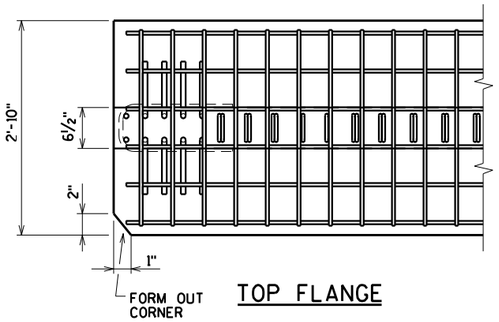
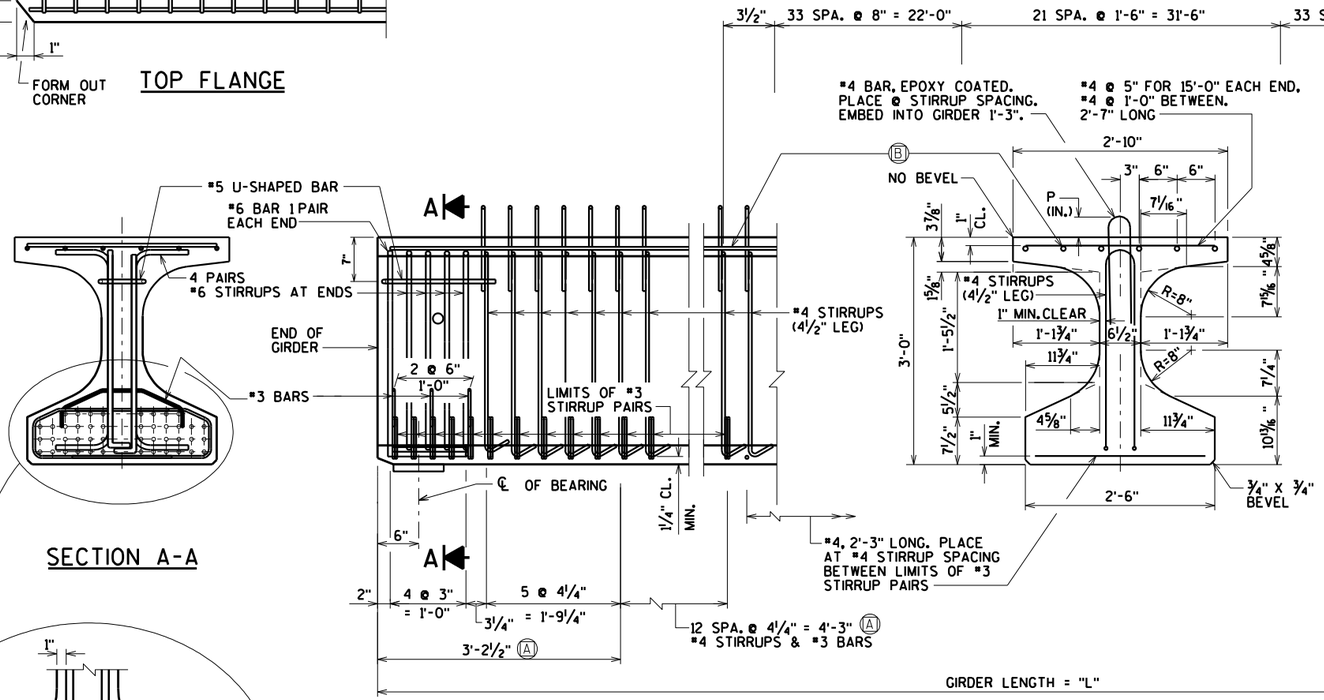


TOP FLANGE

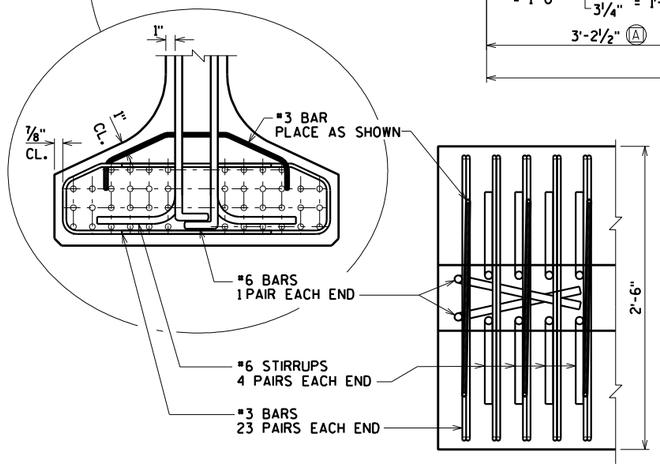


SIDE VIEW & TYPICAL SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

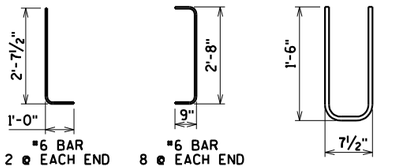
Ⓑ 6 #4 BARS, FULL LENGTH, MIN. LAP = 2'-4"

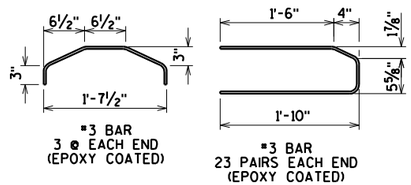
SECTION A-A



BOTTOM FLANGE

DETAIL A





* MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (p.s.i.)	"P" IST 1/3 OF GIRDER	"P" MID 1/3 OF GIRDER	"P" END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *
1	ALL	91'-0"	0.6	1.2	1.7	2.0	2.1	2.0	1.7	1.2	0.6	8,000	8"	7"	8"	0.6	36	6,700	31	11.5	14.5	5		

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STATE OF WISCONSIN
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STRUCTURE B-13-725

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36W" PRESTRESSED GIRDER DETAILS

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360

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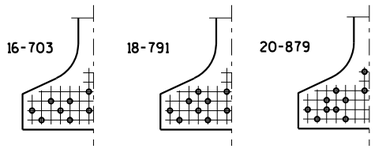
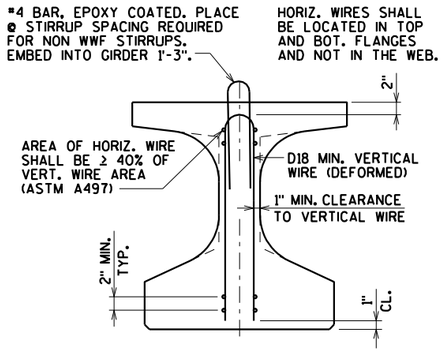


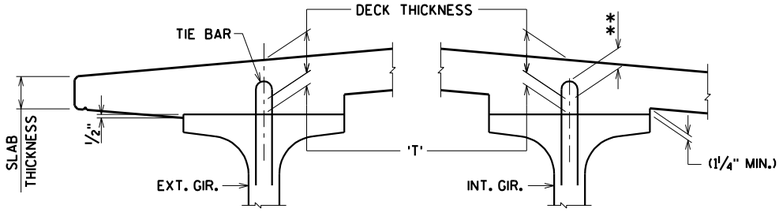
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6"Φ STRANDS



SECTION THRU GIRDER

SHOWING WELDED WIRE FABRIC (WWF) STIRRUPS
ASTM A1064 (FY = 70 KSI)



DECK HAUNCH DETAIL

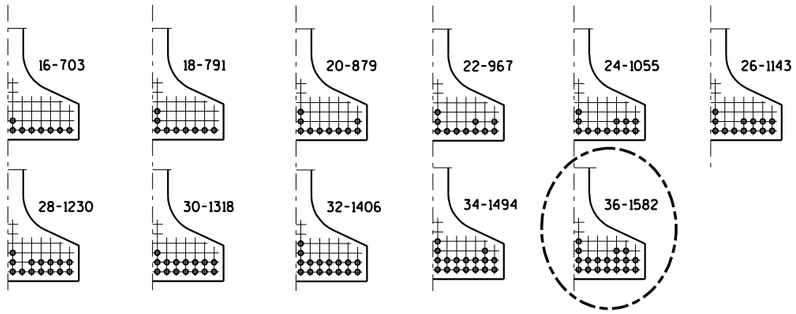
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

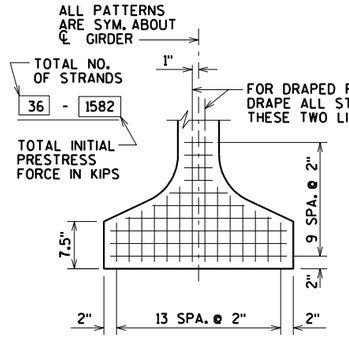
TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3¾" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".

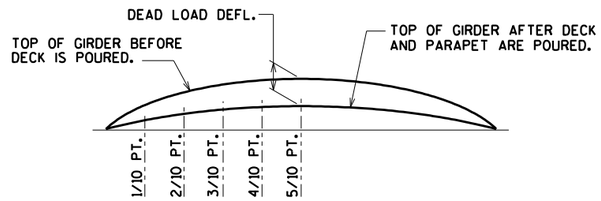


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

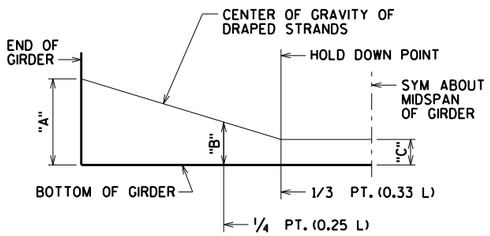
0.6"Φ STRANDS



TYP. STRAND PATTERN



DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	4.1

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T'. USE ACTUAL GIRDER SHOTS.
THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

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36W" PRESTRESSED GIRDER DETAILS

SHEET 11 OF 22
361

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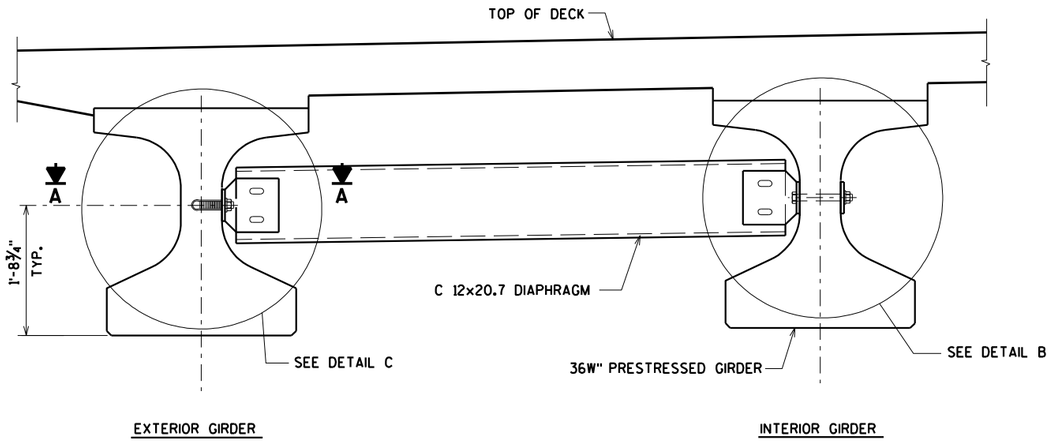
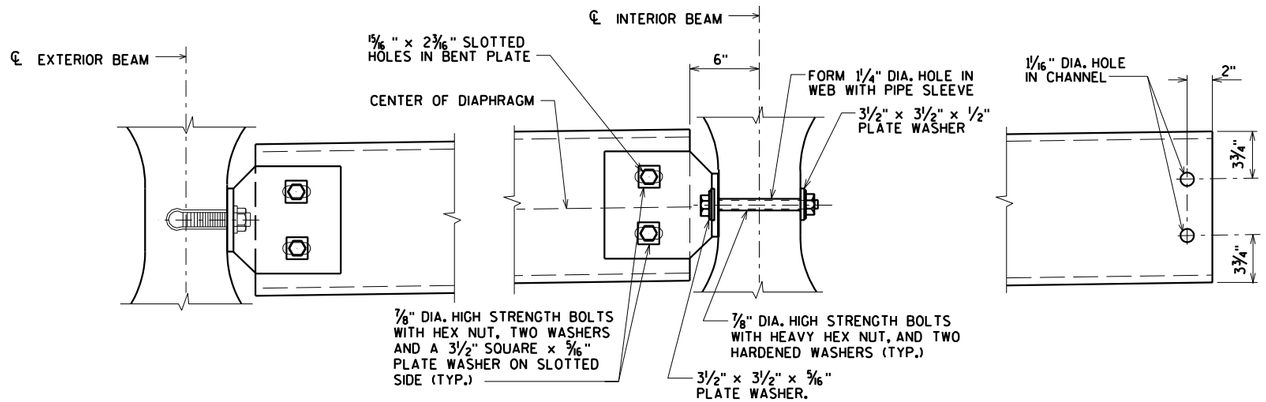
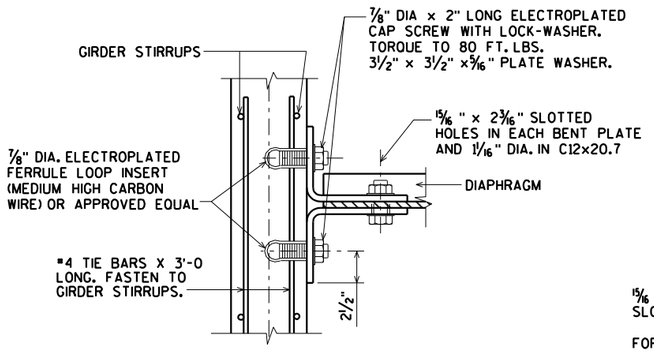


PART TRANSVERSE SECTION AT DIAPHRAGM



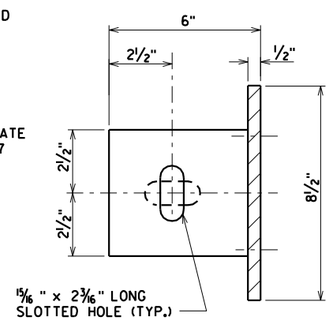
DETAIL C



SECTION A-A

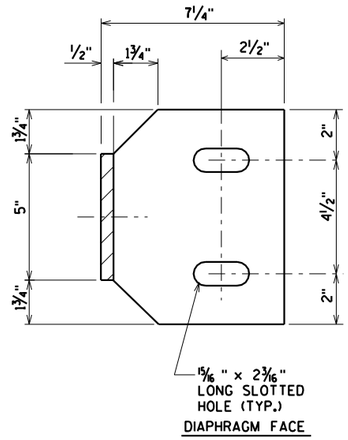
(FOR EXTERIOR ATTACHMENT)

DETAIL B

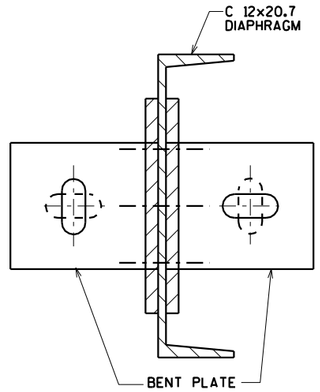


FOR EACH PAIR OF ANGLES ON A GIVEN BEAM FACE, ONE SLOTTED HOLE TO BE VERTICAL AND ONE TO BE HORIZONTAL.

BEAM FACE



DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-725", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

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STRUCTURE B-13-725

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STEEL INTER. DIAPHRAGM DETAILS

SHEET 12 OF 22
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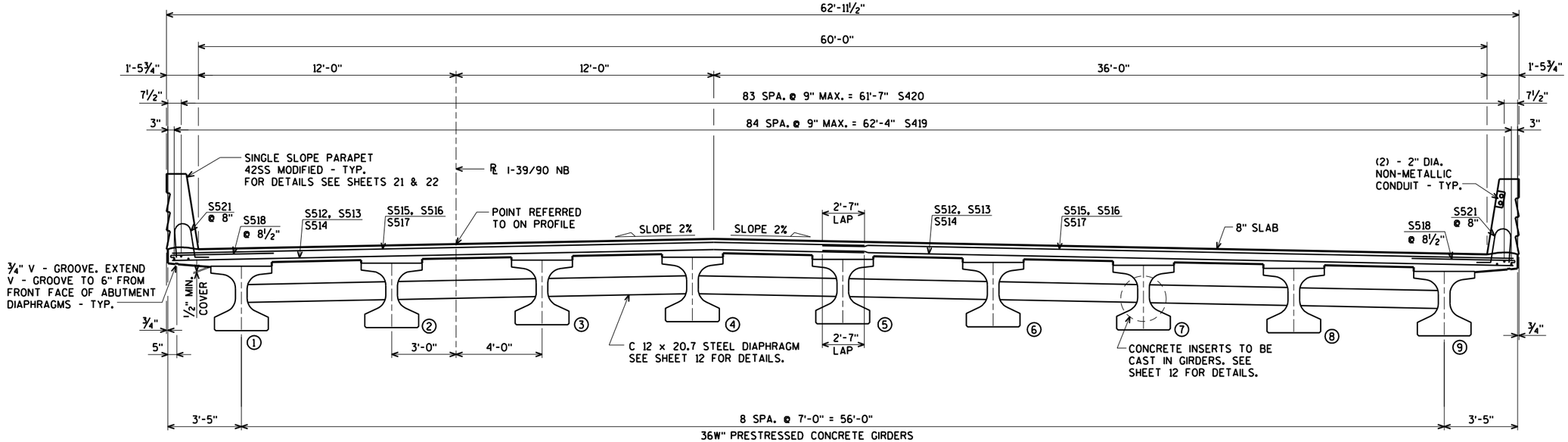
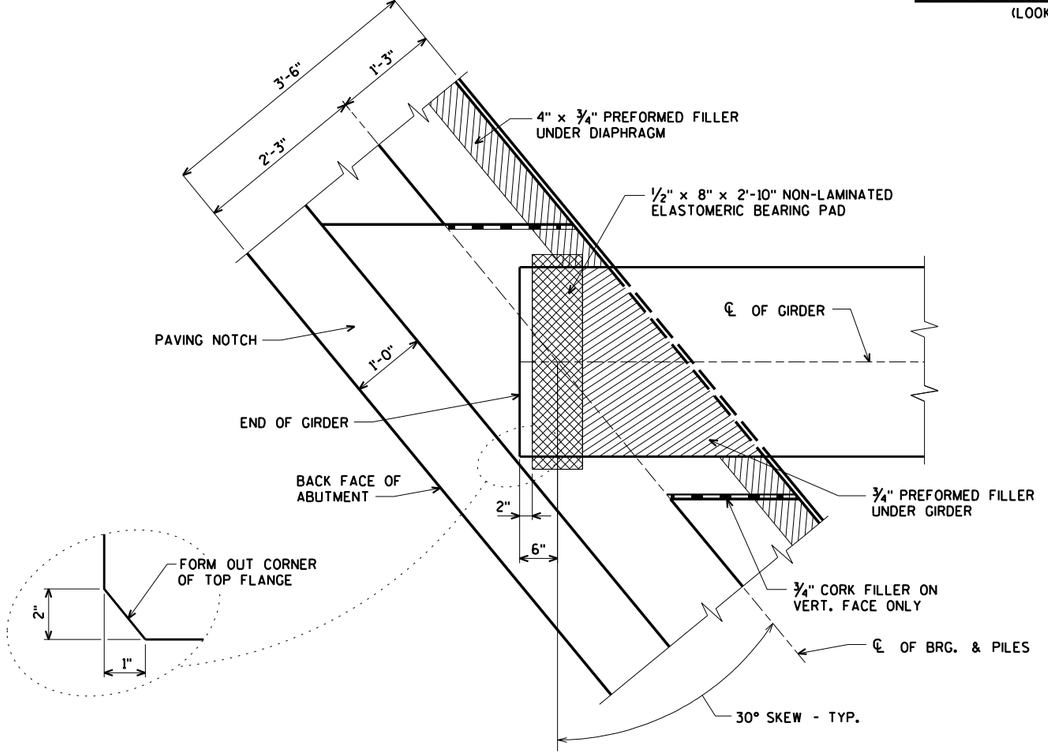


CROSS SECTION THRU DECK
(LOOKING WEST)



BEARING PAD DETAIL

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STRUCTURE B-13-725

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SUPERSTRUCTURE

SHEET 13 OF 22
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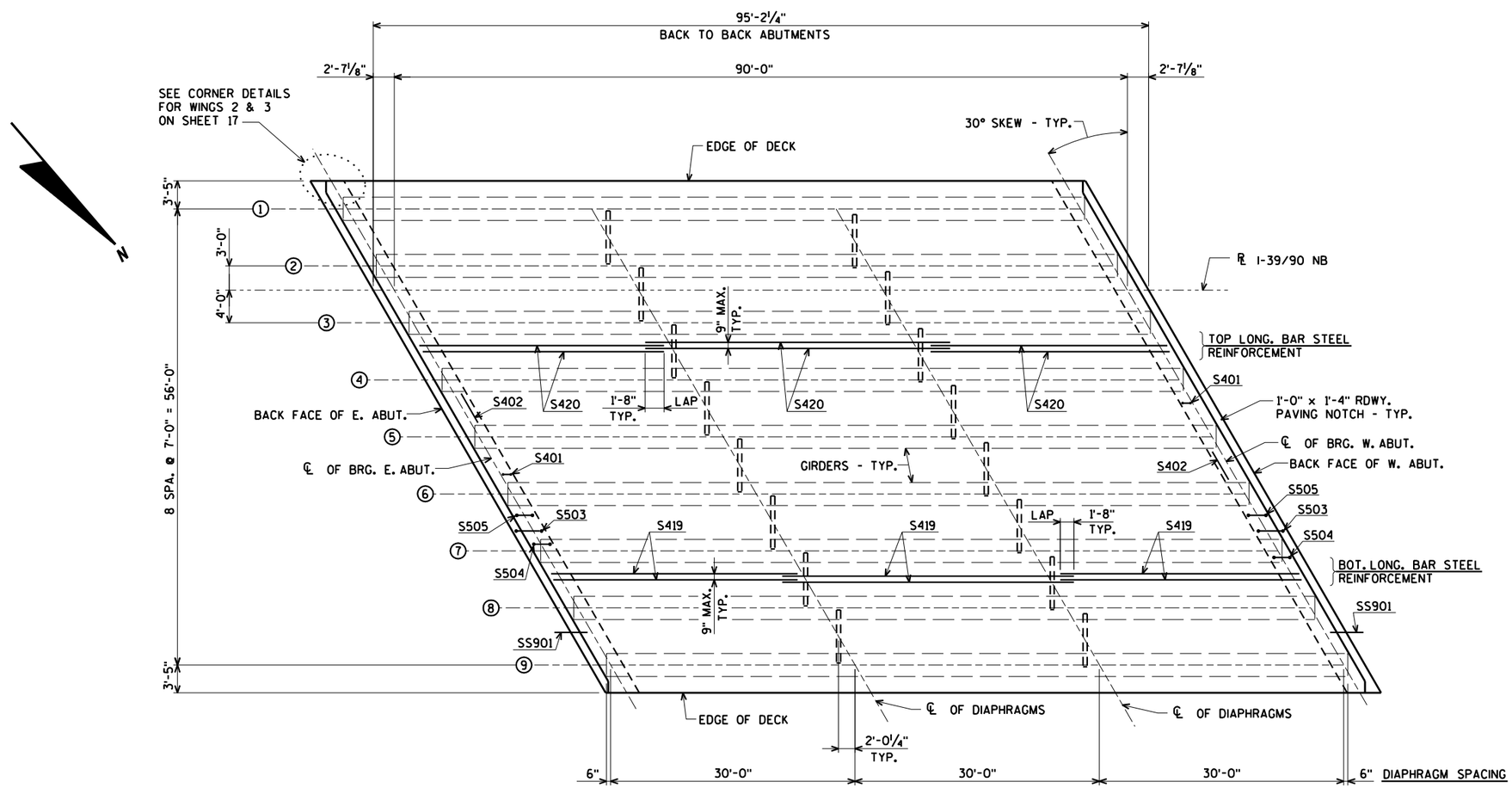

PLAN

TOP OF DECK ELEVATIONS

LOCATION	℄ OF BRG. E. ABUT.	0.1 PT.	0.2 PT.	0.3 PT.	0.4 PT.	0.5 PT.	0.6 PT.	0.7 PT.	0.8 PT.	0.9 PT.	℄ OF BRG. W. ABUT.
SOUTH EDGE OF DECK	861.37	861.21	861.07	860.93	860.79	860.65	860.52	860.38	860.26	860.13	860.01
GIRDER 1	861.37	861.22	861.09	860.93	860.79	860.67	860.52	860.39	860.28	860.14	860.03
GIRDER 2	861.44	861.31	861.15	861.01	860.87	860.75	860.62	860.49	860.36	860.24	860.12
℄ I-39/90 NB	861.47	861.33	861.18	861.04	860.91	860.77	860.64	860.51	860.39	860.26	860.14
GIRDER 3	861.53	861.37	861.24	861.10	860.95	860.83	860.70	860.57	860.43	860.31	860.19
GIRDER 4	861.59	861.46	861.30	861.18	861.03	860.91	860.78	860.64	860.53	860.40	860.29
GIRDER 5	861.44	861.28	861.14	861.02	860.87	860.75	860.61	860.50	860.36	860.26	860.14
GIRDER 6	861.22	861.09	860.94	860.80	860.67	860.54	860.43	860.30	860.18	860.05	859.95
GIRDER 7	861.03	860.89	860.75	860.60	860.47	860.34	860.23	860.11	859.99	859.87	859.76
GIRDER 8	860.81	860.67	860.55	860.42	860.29	860.16	860.02	859.90	859.78	859.68	859.57
GIRDER 9	860.61	860.47	860.35	860.22	860.09	859.95	859.84	859.72	859.59	859.49	859.38
NORTH EDGE OF DECK	860.54	860.40	860.27	860.14	860.01	859.88	859.76	859.64	859.53	859.41	859.30

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SUPERSTRUCTURE PLAN

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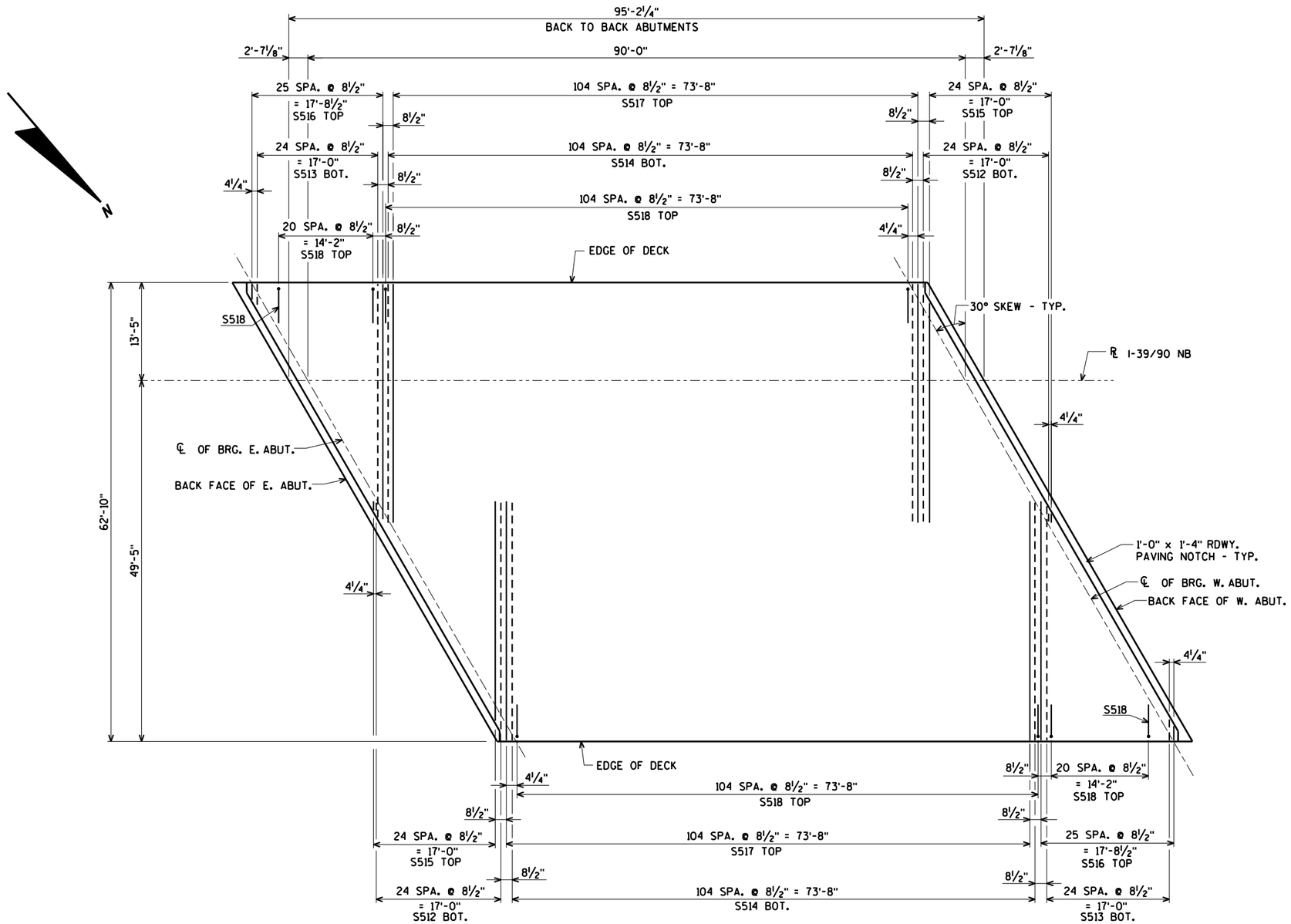
STATE PROJECT NUMBER

1007-11-76



TRANSVERSE BAR STEEL LAYOUT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

DRAWN BY CLS | PLANS CK'D. CBM

SUPERSTRUCTURE
TRANSVERSE SLAB
STEEL LAYOUT

SHEET 15 OF 22
365

ORIGINAL PLANS PREPARED BY
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3/20/2017

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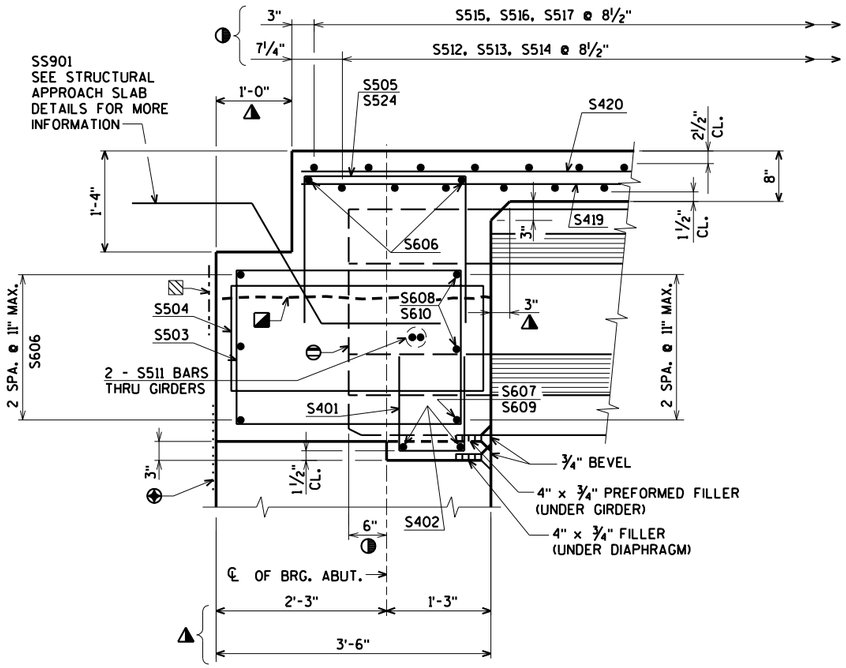
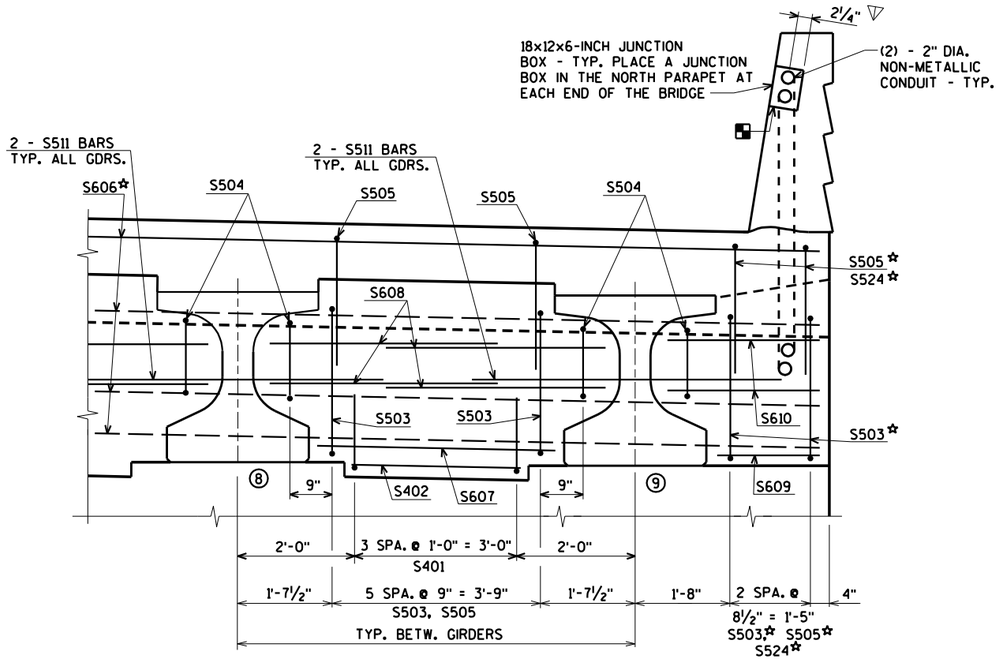
$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 over Door Creek_B-13-724 & B-13-725\B-13-725\B-13-725 sup.

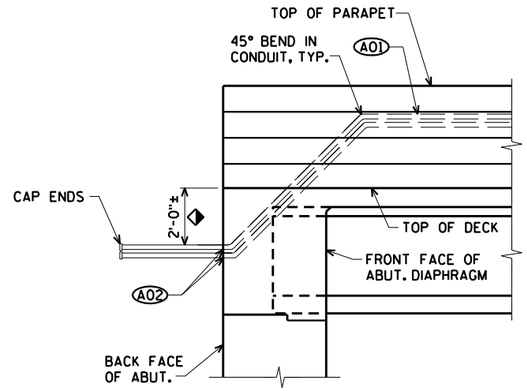


PART LONGITUDINAL SECTION



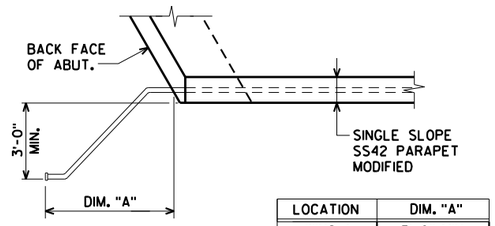
PART TRANSVERSE SECTION AT ABUTMENT DIAPHRAGM

(LOOKING WEST AT BEAMS ⑧ & ⑨, OTHER LOCATIONS SIMILAR)



ELEVATION AT ABUTMENT SHOWING CONDUITS

◈ BEND DOWN AT SLEEPER SLAB IF NEEDED.



LOCATION	DIM. "A"
WING 1	3'-0" MIN.
WING 4	3'-0" MIN.

PLAN OF PARAPET AT ABUTMENT SHOWING CONDUITS

(WING 1 SHOWN, WING 4 SIMILAR)

(A01) EXPANSION FITTINGS, ANGLES AND ADAPTER FITTINGS TO BE INCLUDED WITH THE BID ITEM "CONDUIT RIGID METALLIC 2-INCH".

WHEN CONNECTING METALLIC CONDUIT, ONLY ADAPTER FITTINGS U.L. LISTED FOR ELECTRICAL USE SHALL BE USED

(A02) APPROVED MANUFACTURER OR EQUIVALENT- EXPANSION FITTING: O-Z/GEDNEY TYPE AXDX AND BONDING JUMPER (4" TOTAL LONGITUDINAL CONDUIT MOVEMENT).

◪ CUT OUT 1"± OF GASKET AT BOTTOM OF JUNCTION BOX COVER TO ALLOW FOR DRAINAGE.

▽ LOCATION OF CONDUIT IS MEASURED FROM OUTSIDE EDGE OF JUNCTION BOX.

☆ SEE SUPERSTRUCTURE CORNER DETAILS ON SHEET 17

⊖ END OF GIRDER

⊕ 18" RUBBERIZED MEMBRANE WATERPROOFING

◑ DIMENSIONS MEASURED ALONG ℄ OF GIRDER.

◭ DIMENSIONS MEASURED NORMAL TO ℄ OF SUBSTRUCTURE UNIT.

◪ OPTIONAL CONSTRUCTION JOINT 1'-2" BELOW TOP OF GIRDER. IF USED, DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF THE DIAPHRAGM POUR.

▨ 18" RUBBERIZED MEMBRANE WATERPROOFING IF CONST. JT. IS USED. COST INCLUDED WITH BID ITEM "CONCRETE MASONRY BRIDGES"

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

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SUPERSTRUCTURE DETAILS

SHEET 16 OF 22
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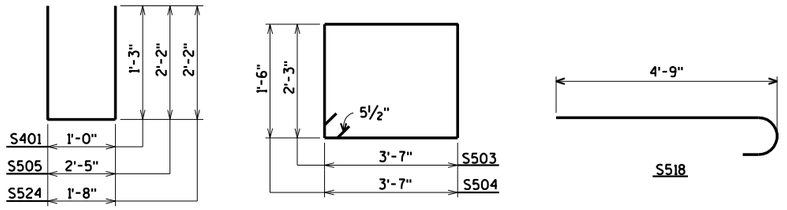
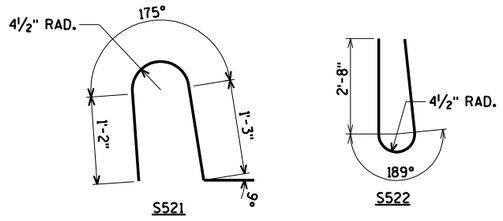
U:±41-0660.0X - IH-39 Dane Partners General Bridge Information±_I-39 over Door Creek_B-13-724 & B-13-725±B-13-725±B-13-725

STATE PROJECT NUMBER

1007-11-76





BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED	BAR SERIES	39,510# COATED LOCATION
S401	X	64	3-4	X			DIAPH. @ ABUT. VERT. @ NOTCH
S402	X	32	3-7				DIAPH. @ ABUT. HORIZ. @ NOTCH
S503	X	108	12-4	X			DIAPH. @ ABUT. VERT.
S504	X	36	10-10	X			DIAPH. @ ABUT. VERT.
S505	X	104	6-7	X			DIAPH. @ ABUT. VERT.
S606	X	20	37-2				DIAPH. @ ABUT. HORIZ.
S607	X	16	4-9				DIAPH. @ ABUT. HORIZ. BETW. GDRS.
S608	X	64	4-7				DIAPH. @ ABUT. HORIZ. BETW. GDRS.
S609	X	4	2-1				DIAPH. @ ABUT. HORIZ. @ EXT. GDRS.
S610	X	8	3-2				DIAPH. @ ABUT. HORIZ. @ EXT. GDRS.
S511	X	36	6-0				DIAPH. @ ABUT. HORIZ. THRU GDRS.
S512	X	50	16-3			⊗	SLAB TRANS. BOT.
S513	X	50	16-9			⊗	SLAB TRANS. BOT.
S514	X	210	32-7				SLAB TRANS. BOT.
S515	X	50	15-10			⊗	SLAB TRANS. TOP
S516	X	52	16-9			⊗	SLAB TRANS. TOP
S517	X	210	32-7				SLAB TRANS. TOP
S518	X	252	5-5	X			SLAB TRANS. TOP @ EDGES
S419	X	255	32-0				SLAB LONG. BOT.
S420	X	252	32-0				SLAB LONG. TOP
S521	X	278	4-5	X			SLAB @ PARAPET
S522	X	278	6-8	X			PARAPET VERT.
S523	X	48	32-0				PARAPET HORIZ.
S524	X	4	5-10	X			DIAPH. @ ABUT. VERT. CORNER WINGS 2 & 4

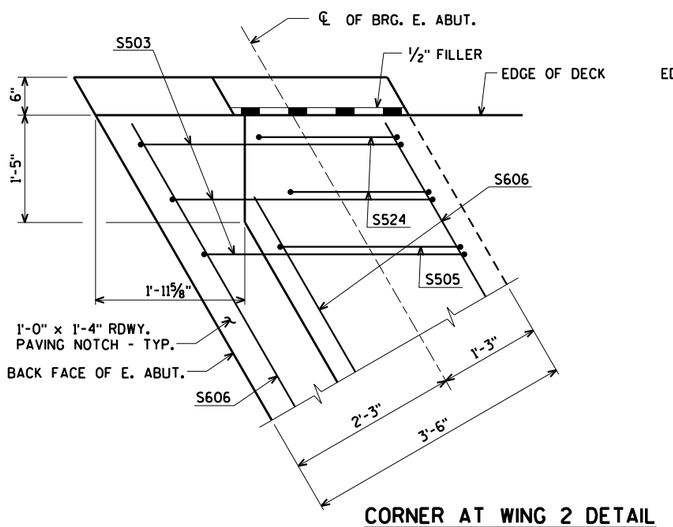
BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

⊗ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

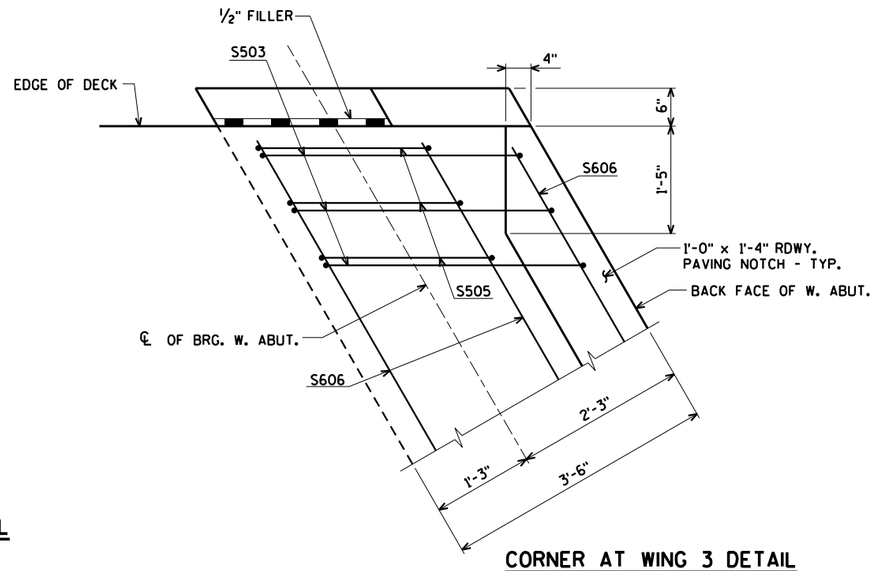
BAR MARK	NO REQ'D.	LENGTH
S512	2 SERIES OF 25	1'-6" TO 31'-0"
S513	2 SERIES OF 25	2'-0" TO 31'-6"
S515	2 SERIES OF 25	1'-1" TO 30'-7"
S516	2 SERIES OF 26	1'-5" TO 32'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.



CORNER AT WING 2 DETAIL

(WING 4 SIMILAR)



CORNER AT WING 3 DETAIL

(WING 1 SIMILAR)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

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SUPERSTRUCTURE CORNER DETAILS & BILL OF BARS

SHEET 17 OF 22
367

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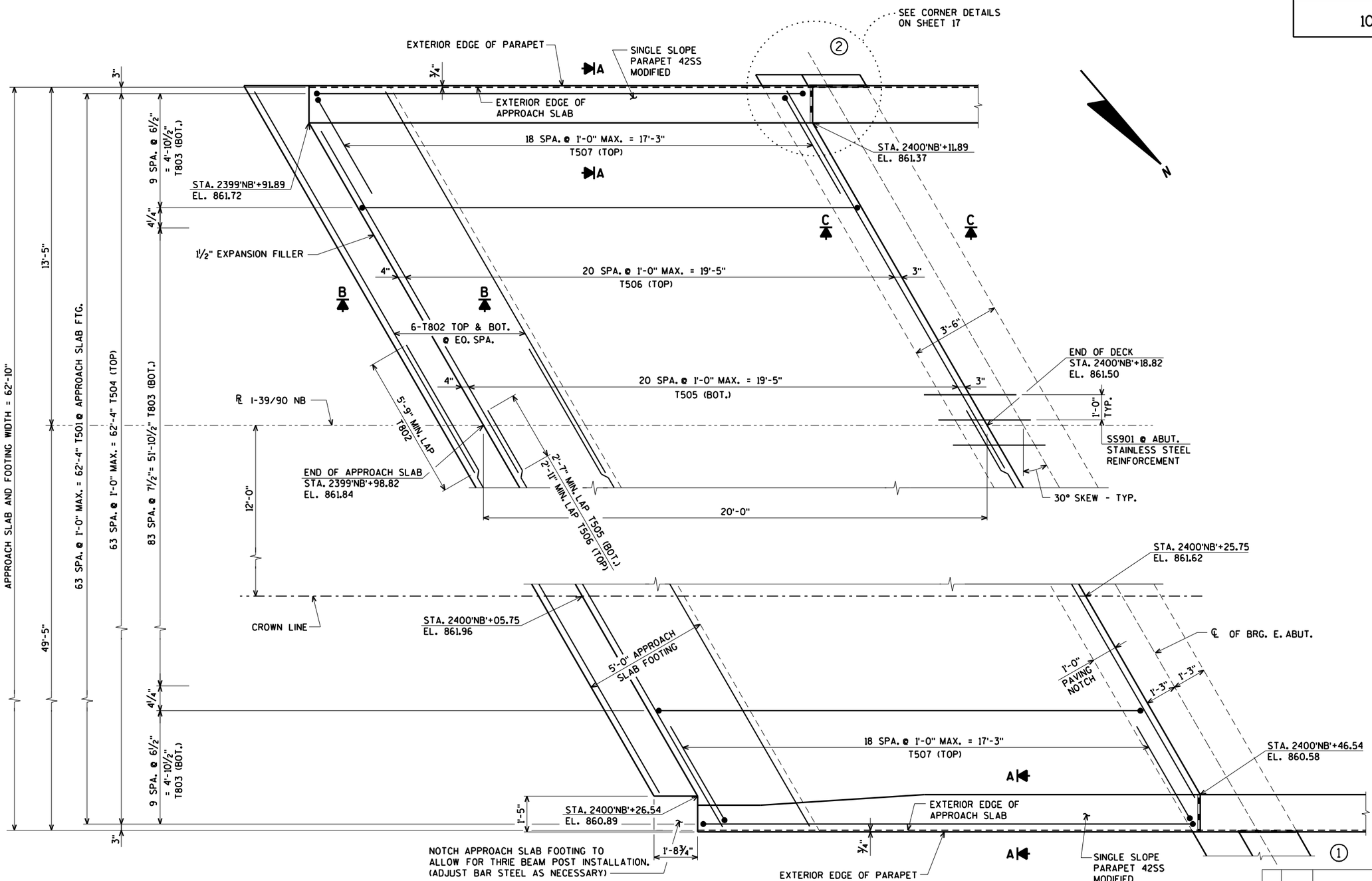
STATE PROJECT NUMBER

1007-11-76



EAST APPROACH SLAB PLAN

FOR DETAILS OF SECTIONS A, B, AND C, SEE SHEET 20

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

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EAST STRUCTURAL APPROACH SLAB

SHEET 18 OF 22
368

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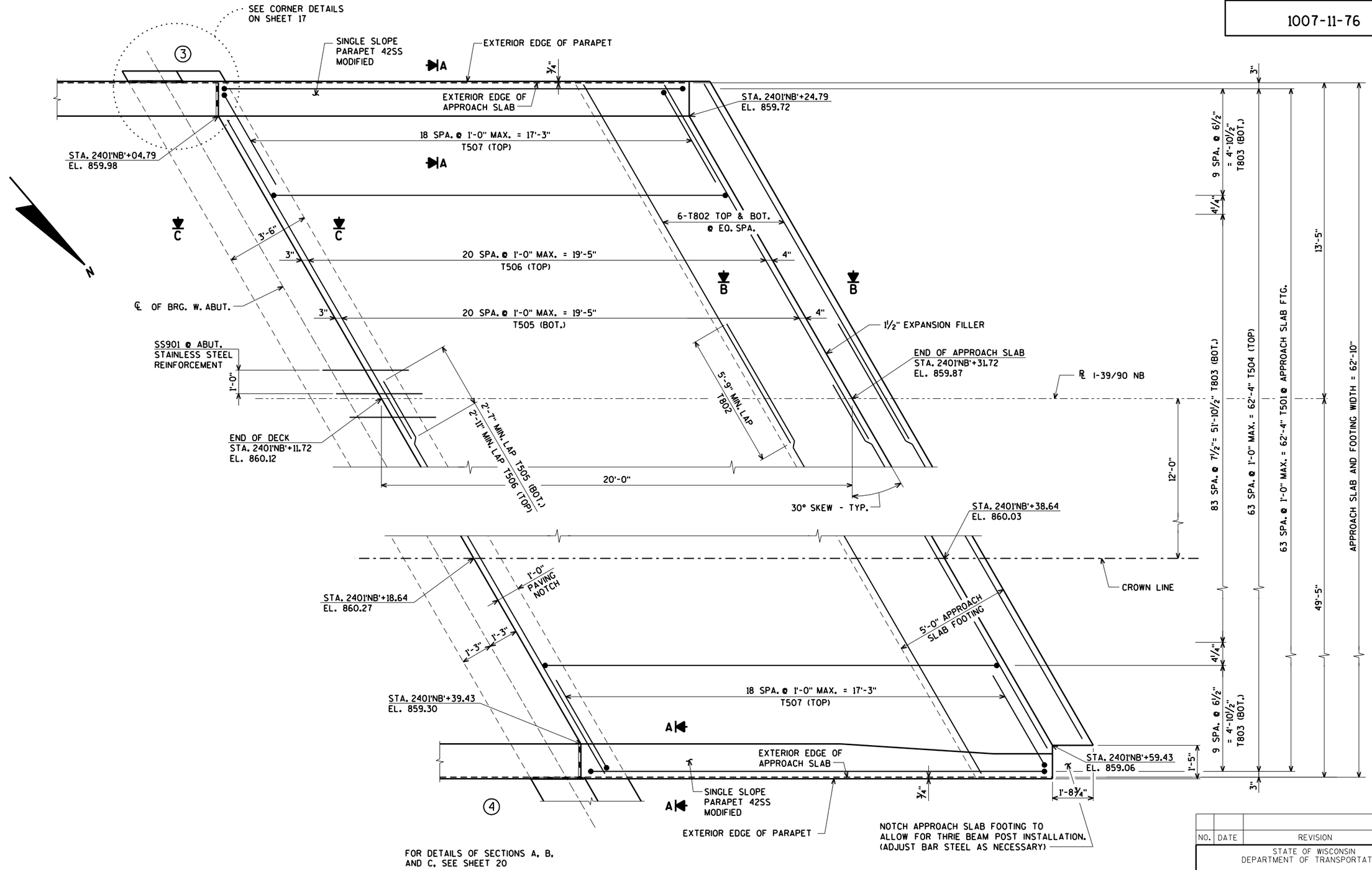

FOR DETAILS OF SECTIONS A, B, AND C, SEE SHEET 20

WEST APPROACH SLAB PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

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WEST STRUCTURAL APPROACH SLAB

SHEET 19 OF 22
369

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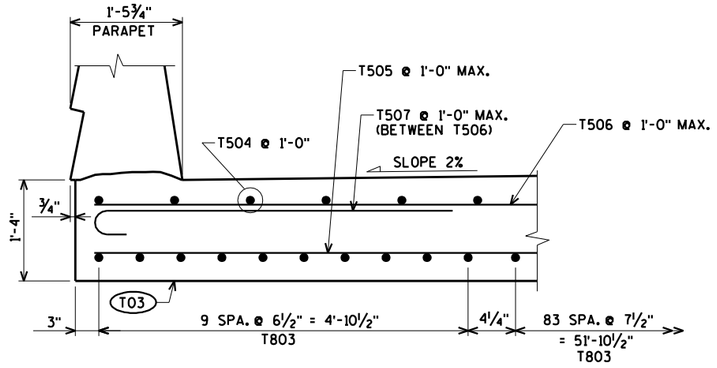
STATE PROJECT NUMBER

1007-11-76



SECTION A

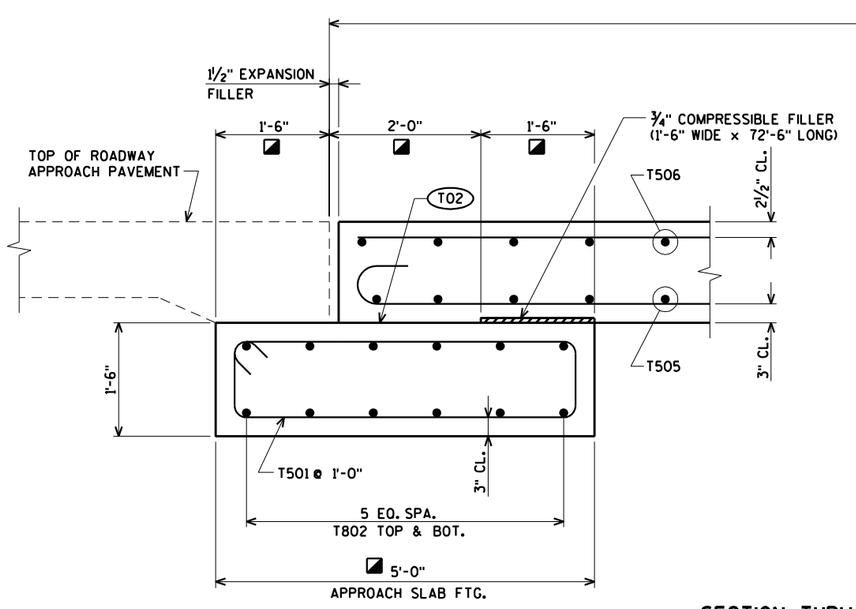
FOR LOCATIONS OF SECTIONS A, B, AND C, SEE SHEETS 18 & 19

BILL OF BARS

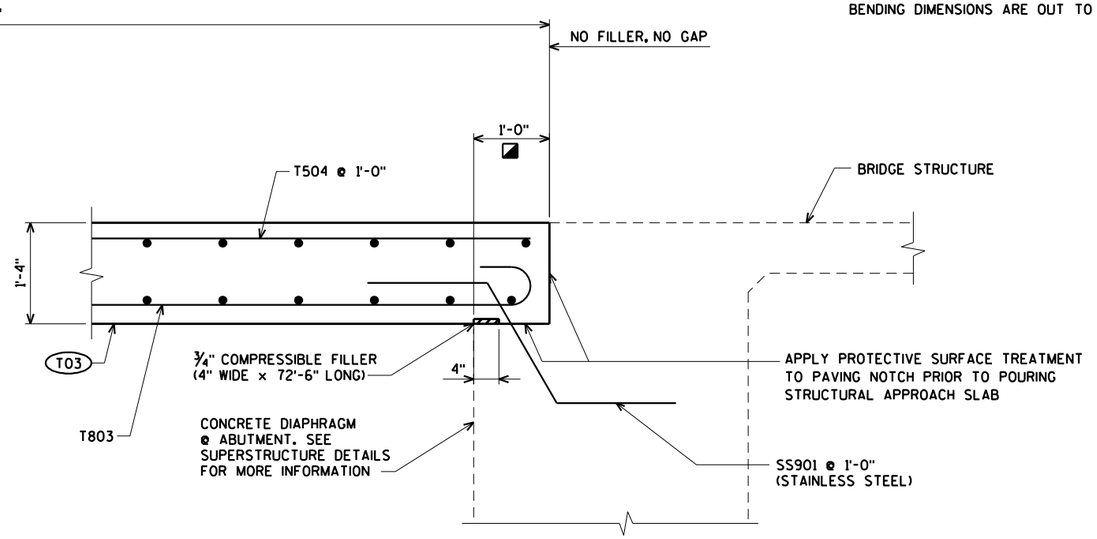
BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED	BAR SERIES	1.070" STAINLESS STEEL (PER APPROACH SLAB) LOCATION
SS901		63	5-0	X			CONC. ABUT. DIAPH. TO APPROACH SLAB

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED	BAR SERIES	14.070" COATED (PER APPROACH SLAB) LOCATION
T501	X	64	13-6	X			APPROACH SLAB FTG. - STIRRUP
T802	X	24	39-0				APPROACH SLAB FTG. - TRANS.
T803	X	104	21-4	X			APPROACH SLAB - LONG. - BOT.
T504	X	64	19-6				APPROACH SLAB - LONG - TOP
T505	X	42	37-5				APPROACH SLAB - TRANS. - BOT.
T506	X	42	37-7				APPROACH SLAB - TRANS. - TOP
T507	X	38	4-1	X			APPROACH SLAB - TRANS. - TOP

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.



SECTION B



SECTION C

SECTION THRU APPROACH SLAB

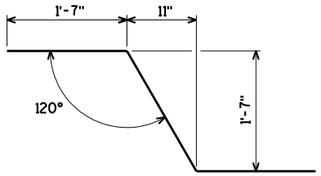
◪ MEASURED NORMAL TO ABUTMENT

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

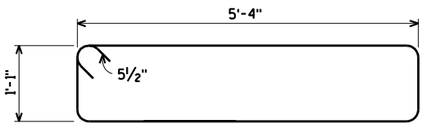
(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

POLYETHYLENE SHEETS ARE INCLUDED WITH "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".

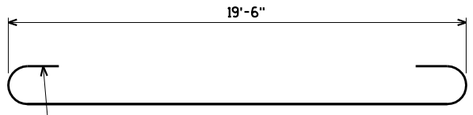
ALL STRUCTURAL APPROACH SLAB CONCRETE, EXCEPT THE APPROACH SLAB FOOTING CONCRETE, PAID FOR UNDER "HIGH PERFORMANCE CONCRETE (HPC) MASONRY STRUCTURES".



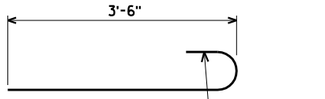
SS901



T501



T803



T507

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

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STRUCTURAL APPROACH SLAB DETAILS

SHEET 20 OF 22
370

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STATE PROJECT NUMBER

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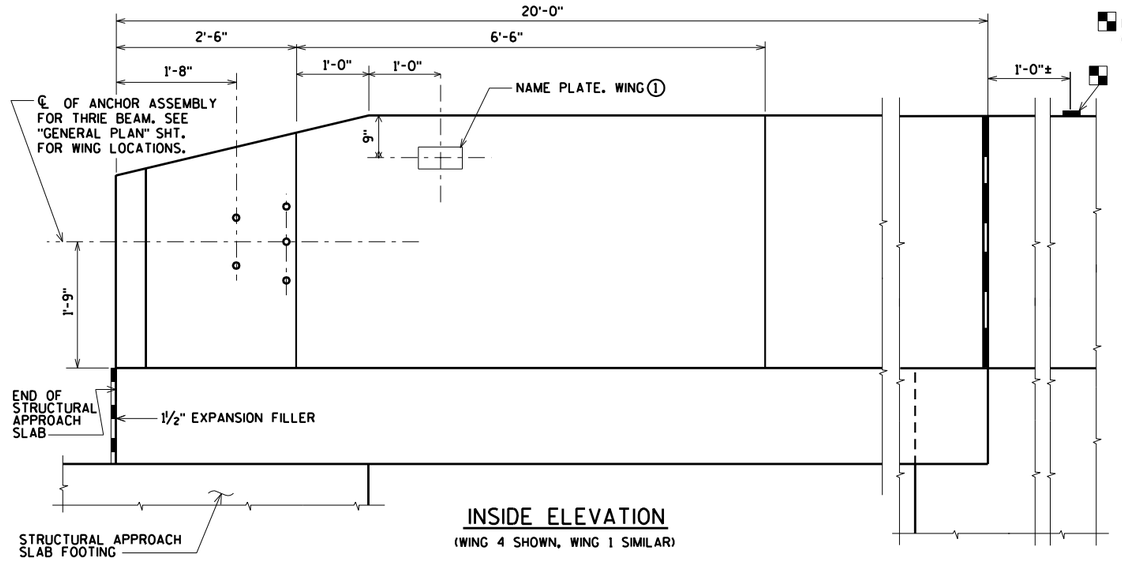
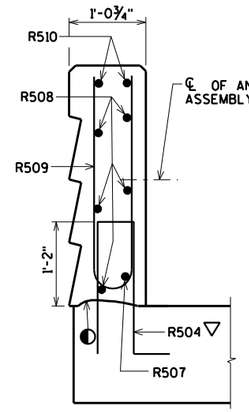
590" COATED EAST STRUCTURAL APPROACH SLAB
590" COATED WEST STRUCTURAL APPROACH SLAB

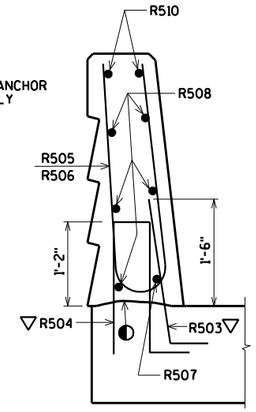


INSIDE ELEVATION
(WING 4 SHOWN, WING 1 SIMILAR)

BENCHMARK CAP (WHEN SUPPLIED)
(NEAR WING 1)



SECTION A

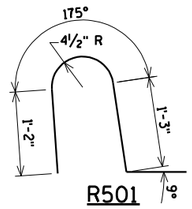


SECTION B

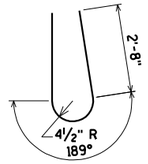
BILL OF BARS

FOR STRUCTURAL APPROACH SLAB PARAPETS

BAR MARK	COAT	EAST STRUCT. APPR. SLAB	WEST STRUCT. APPR. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	17	17	4-5	X		PARAPET VERT.
R502	X	17	17	6-8	X		PARAPET VERT.
R503	X	11	11	2-9	X		PARAPET VERT.
R504	X	17	17	5-4	X		PARAPET VERT.
R505	X	5	5	6-5	X		PARAPET VERT.
R506	X	6	6	6-6	X		PARAPET VERT.
R507	X	1	1	19-6	X		PARAPET HORIZ.
R508	X	5	5	19-6			PARAPET HORIZ.
R509	X	6	6	5-5	X	▲	PARAPET VERT.
R510	X	2	2	19-6	X		PARAPET HORIZ



R501



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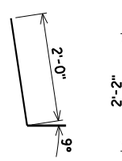

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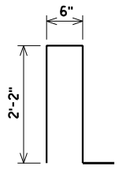

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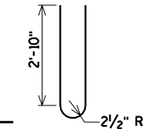

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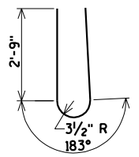

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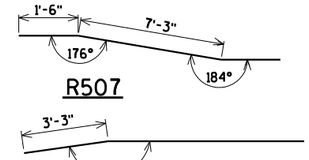

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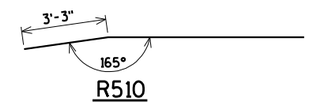

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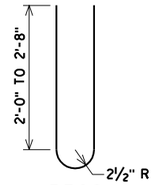
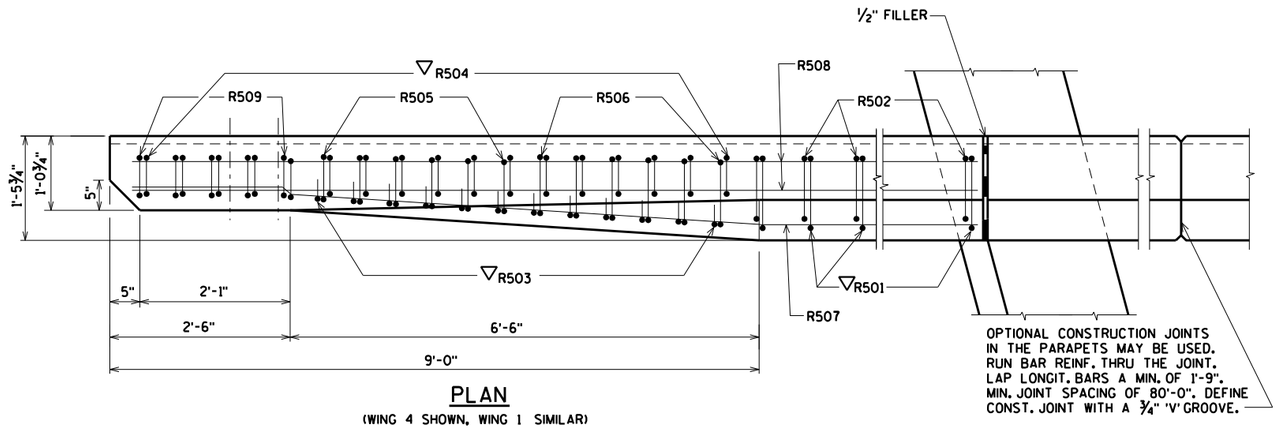
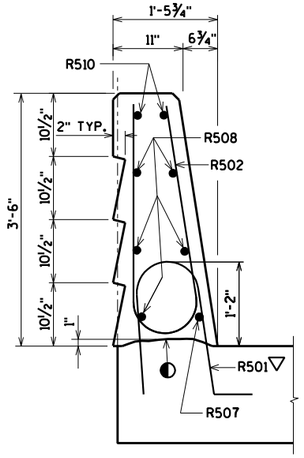


R509

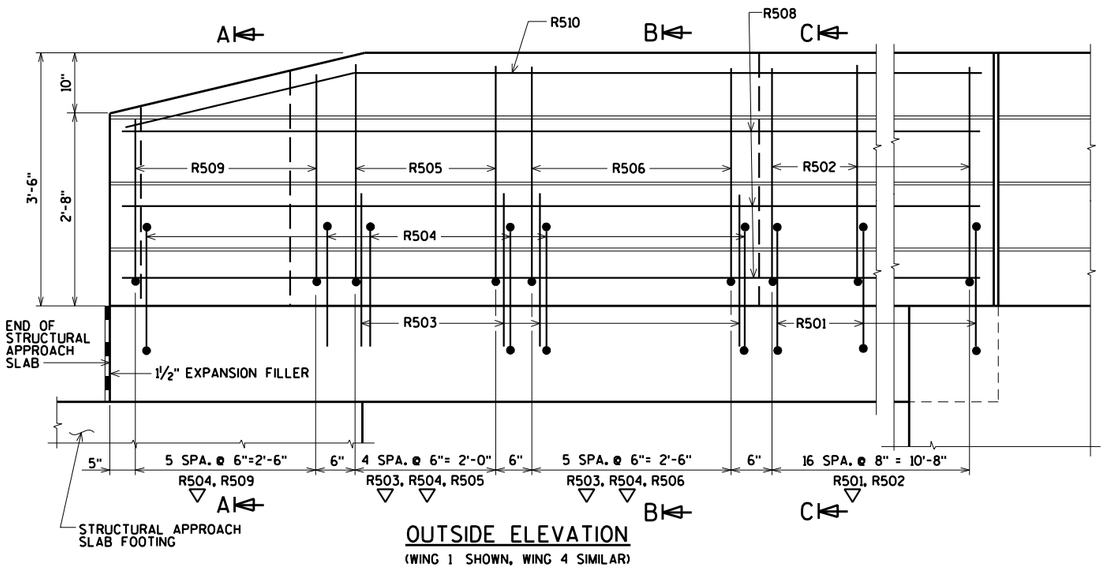


OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" 'V' GROOVE.

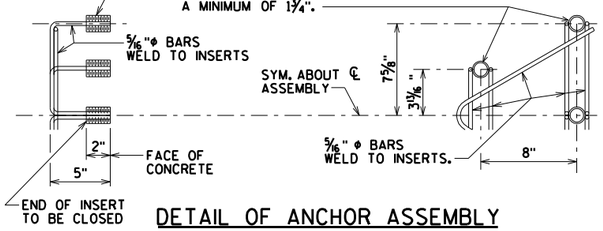
PLAN
(WING 4 SHOWN, WING 1 SIMILAR)



SECTION C



OUTSIDE ELEVATION
(WING 1 SHOWN, WING 4 SIMILAR)



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

BAR SERIES TABLE

BAR MARK	NO REQ'D.	LENGTH
R509	2 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

▲ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

▽ R501, R503 AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

DRAWN BY CLS | PLANS CK'D. CBM

SINGLE SLOPE PARAPET MODIFIED 42SS

SHEET 21 OF 22
371

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

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$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 over Door Creek_B-13-724 & B-13-725\B-13-725\B-13-725 plan.dgn

STATE PROJECT NUMBER

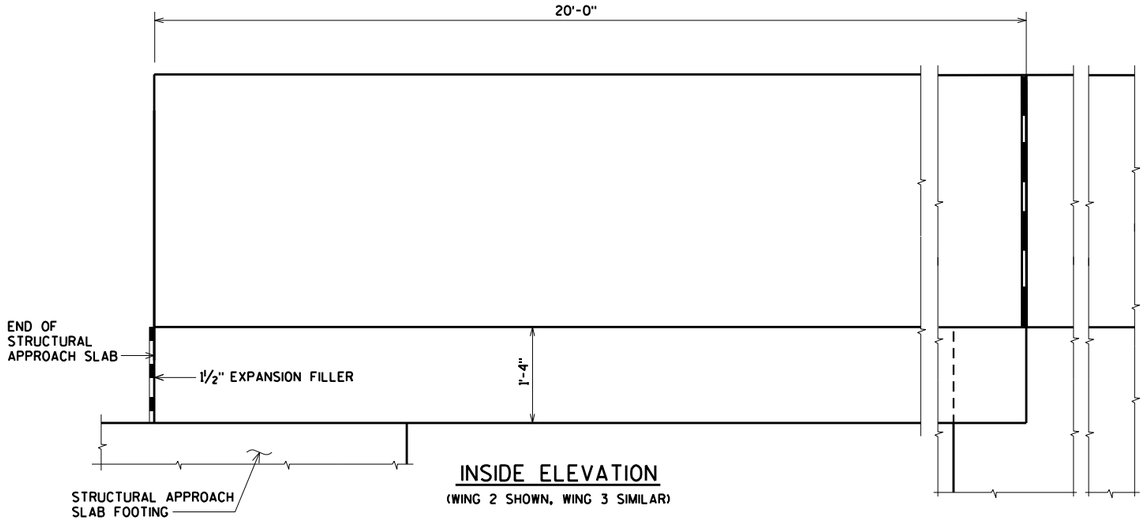
1007-11-76

510" COATED EAST STRUCTURAL APPROACH SLAB
510" COATED WEST STRUCTURAL APPROACH SLAB

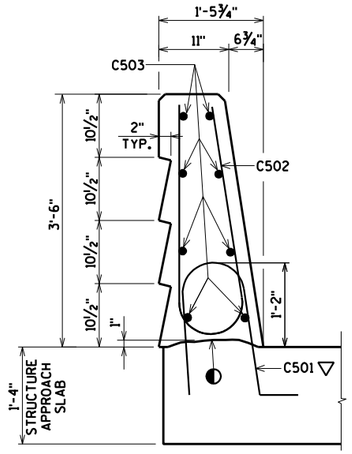
BILL OF BARS

FOR STRUCTURAL APPROACH SLAB PARAPETS

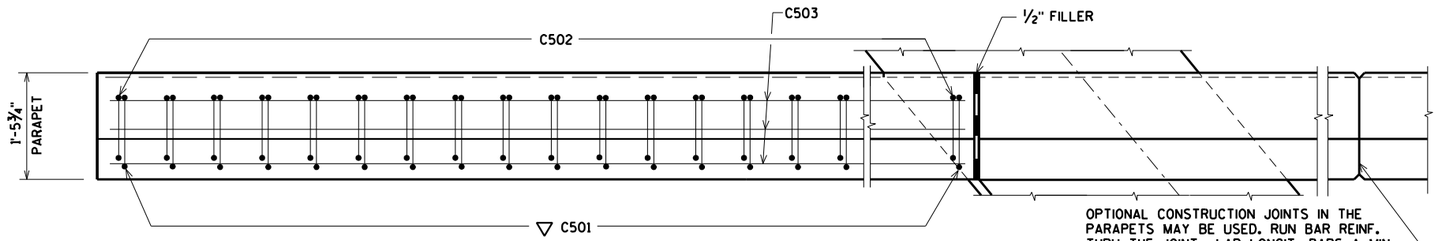
BAR MARK	COAT	EAST STRUCT. APPR. SLAB	WEST STRUCT. APPR. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
C501	X	30	30	4-5	X		PARAPET VERT.
C502	X	30	30	6-8	X		PARAPET VERT.
C503	X	8	8	19-6			PARAPET HORIZ.



INSIDE ELEVATION
(WING 2 SHOWN, WING 3 SIMILAR)

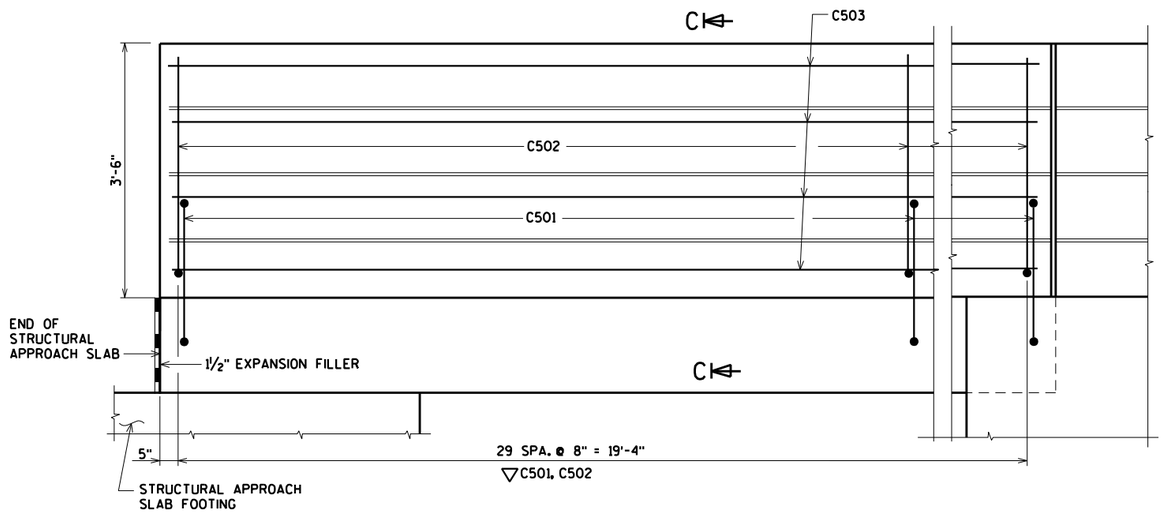


SECTION C

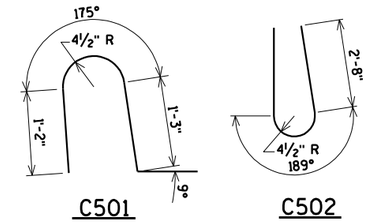


PLAN
(WING 2 SHOWN, WING 3 SIMILAR)

OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" - 'V' GROOVE.

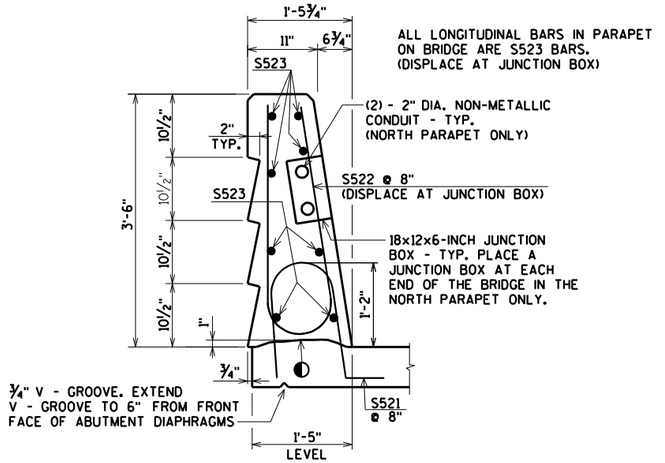


OUTSIDE ELEVATION
(WING 3 SHOWN, WING 2 SIMILAR)



C501

C502



ALL LONGITUDINAL BARS IN PARAPET ON BRIDGE ARE S523 BARS. (DISPLACE AT JUNCTION BOX)

(2) - 2" DIA. NON-METALLIC CONDUIT - TYP. (NORTH PARAPET ONLY)

S522 @ 8" (DISPLACE AT JUNCTION BOX)

18x12x6-INCH JUNCTION BOX - TYP. PLACE A JUNCTION BOX AT EACH END OF THE BRIDGE IN THE NORTH PARAPET ONLY.

¾" V - GROOVE. EXTEND V - GROOVE TO 6" FROM FRONT FACE OF ABUTMENT DIAPHRAGMS

SECTION THRU PARAPET ON BRIDGE

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

▽ C501 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-725

DRAWN BY CLS | PLANS CK'D. CBM

SINGLE SLOPE PARAPET MODIFIED 42SS

SHEET 22 OF 22
372

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

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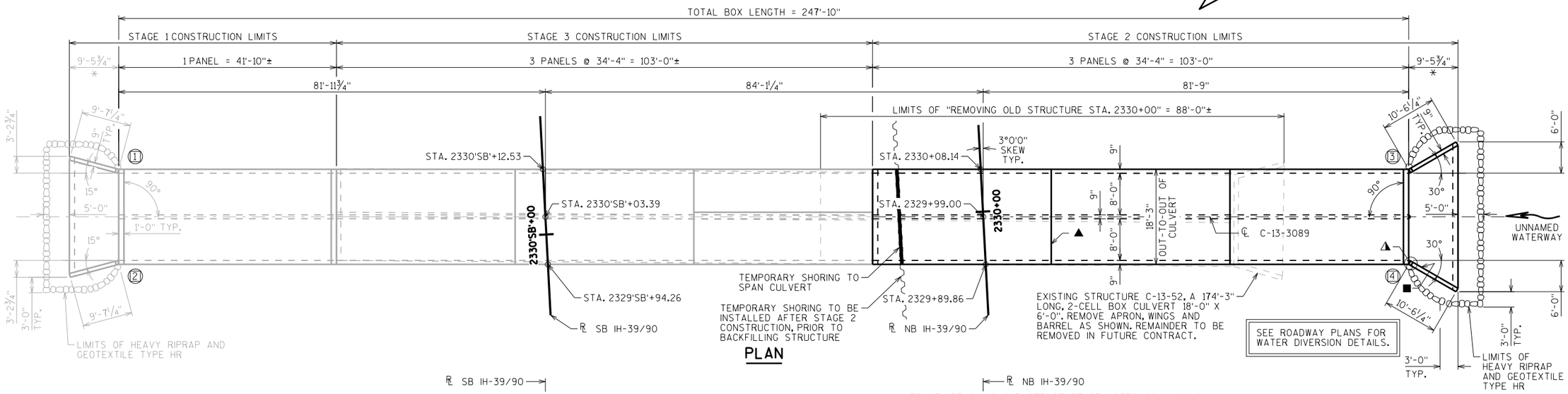
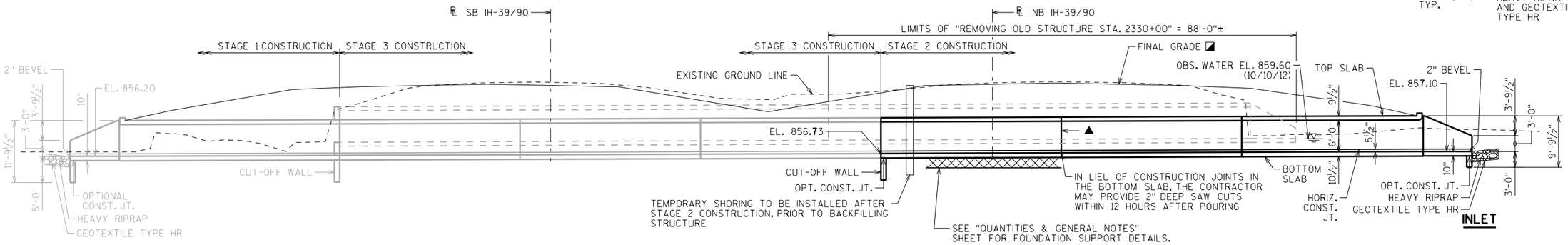
STATE PROJECT NUMBER

1007-11-76



PLAN



OUTLET

INLET

ELEVATION

▲ SEE CORNER DETAILS ON "APRON DETAILS" SHEET
◪ IH-39/90 TO BE CONSTRUCTED UNDER CONTRACTS 1007-11-76 & 1007-11-80
✳ BUILD APRON AND END OF BOX LEVEL
■ NAME PLATE LOCATION (SEE "QUANTITIES & GENERAL NOTES" SHEET)
▲ VERT. CONST. JOINT (TYP.)
(1) INDICATES WING NUMBER

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.05
OPERATING RATING FACTOR: RF = 1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 255 (KIPS)

EARTHLOAD:
DESIGNED FOR 5.0 FT TO 8.0 FT OF FILL

MATERIAL PROPERTIES:
CONCRETE MASONRY:
GRADE A-FA ——— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 ——— fy = 60,000 P.S.I.

HYDRAULIC DATA

100 YEAR FREQUENCY
Q_{100} = 400 C.F.S.
$Q_{CULVERT}$ = 400 C.F.S.
VEL. = 6.5 F.P.S.
HW_{100} = EL. 863.12
WATERWAY AREA = 96 SQ. FT.
DRAINAGE AREA = 1.3 SQ. MI.
SCOUR CRITICAL CODE = 8
ROADWAY OVERTOPPING = N/A

2 YEAR FREQUENCY
Q_2 = 60 C.F.S.
$HW._2$ = EL. 859.53
$VEL._2$ = 3.4 F.P.S.

TRAFFIC VOLUME

IH-39/90
ADT = 70,300 (2040)
R.D.S. = 70 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. QUANTITIES & GENERAL NOTES
3. BOX DETAILS
4. APRON DETAILS
5. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS:
ADAM SWIERCZEK (608) 267-4593
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Ducheine 7/27/17
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-13-3089 STG 2

IH-39/90 OVER UNNAMED WATERWAY

COUNTY: DANE
TOWN ~~CITY/VILLAGE~~: PLEASANT SPRINGS

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	ABS	DESIGNED CK'D.	NAR	DRAWN BY	ABS	PLANS CK'D.	NAR

GENERAL PLAN

SHEET 1 OF 5

373

I.D. 1007-10-01Z DATE: JULY 2017

SCALE = 10.00

STATE PROJECT NUMBER

1007-11-76

TOTAL ESTIMATED QUANTITIES

BID ITEMS

	203.0200	REMOVING OLD STRUCTURE STA. 2330+00	1	LS
	206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-13-3089	1	LS
⬟	206.5000	COFFERDAMS C-13-3089	1	LS
⚠ ☆	210.2500	BACKFILL STRUCTURE TYPE B	885	TON
☆	311.0115	BREAKER RUN	108	CY
	504.0100	CONCRETE MASONRY CULVERTS	184	CY
	505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	17,990	LB
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	580	LB
	511.2200	TEMPORARY SHORING LEFT IN PLACE C-13-3089	560	SF
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	22	SY
	606.0300	RIPRAP HEAVY	19	CY
	645.0105	GEOTEXTILE TYPE C	352	SY
	645.0120	GEOTEXTILE TYPE HR	56	SY

NON-BID ITEMS

FILLER	3/4"	SIZE

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES CULVERTS C-13-3089 SHALL BE THE EXISTING GROUNDLINE.

STRUCTURE BACKFILL IS REQUIRED BEHIND ALL WINGS. SEE "TYPICAL SECTION THRU BOX CULVERT WING" DETAIL.

SEE ROADWAY PLANS FOR STAGED CONSTRUCTION/TRAFFIC CONTROL PLAN.

⬟ SEE ROADWAY PLANS FOR COFFERDAM CONCEPT.

⚠ ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO 1'-0" ABOVE THE TOP OF THE BOX WITHIN THE LENGTH OF THE CULVERT.

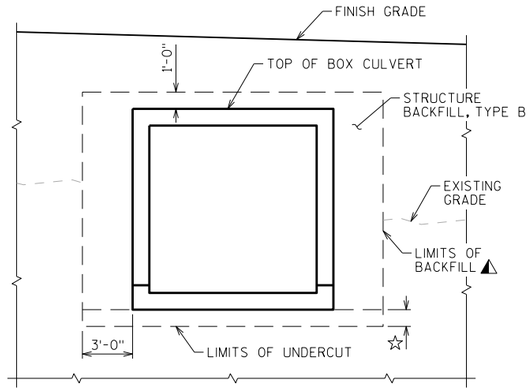
THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

THE ALTERNATE CUT OFF WALL MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONCRETE CUT OFF WALLS. PAYMENT SHALL BE BASED ON CONCRETE CUT OFF WALLS.

PLACE A 18" (MIN.) WIDE SHEET OF 'RUBBERIZED MEMBRANE WATERPROOFING' ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO BOTTOM OF OUTSIDE WALLS.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS ON CHAPTER 36 STANDARDS OF THE CURRENT WISC. DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES". ALL PRECAST BOX SECTIONS SHALL BE PLACED ON A BEDDING OF "STRUCTURE BACKFILL TYPE B" OF 6" MINIMUM DEPTH.

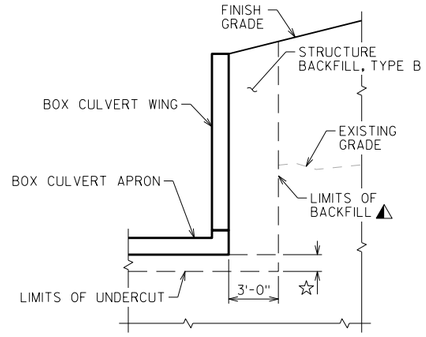
IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COURSE AGGREGATE, SELECT CRUSHED MATERIAL, OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMINE IF "OTHER GRANULAR MATERIAL" IS ACCEPTABLE.



TYPICAL SECTION THRU BOX CULVERT

BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

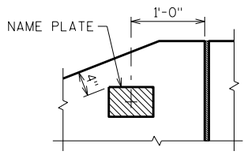
☆ UNDER CUT 2'-6". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. BACKFILL THE BOTTOM 1-6" WITH "STRUCTURE BACKFILL TYPE B". PLACE "GEOTEXTILE TYPE C" AND BACKFILL THE TOP 1'-0" WITH "BREAKER RUN".



TYPICAL SECTION THRU BOX CULVERT WING

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

☆ UNDER CUT 2'-6". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. BACKFILL THE BOTTOM 1'-6" WITH "STRUCTURE BACKFILL TYPE B". PLACE "GEOTEXTILE TYPE C" AND BACKFILL THE TOP 1'-0" WITH "BREAKER RUN".



NAME PLATE LOCATION WING 4

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3089 STG 2

DRAWN BY ABS | PLANS CK'D. NAR

QUANTITIES & GENERAL NOTES

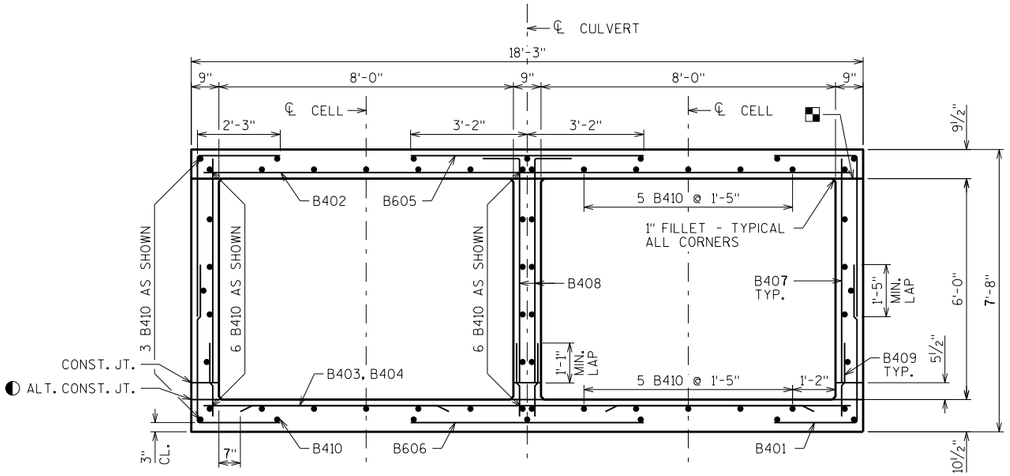
SHEET 2

374

SCALE = 1.00

STATE PROJECT NUMBER

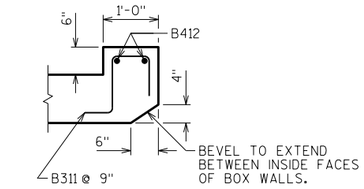
1007-11-76



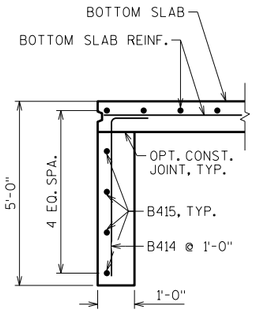
TYPICAL SECTION THRU BOX

◪ OPTIONAL CONST. JOINT. OMIT 1" FILLET IF OPTIONAL CONST. JOINT IS USED.

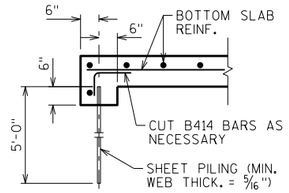
◐ OMIT 1" FILLET IF ALT. CONST. JOINT IS USED.



SECTION THRU HEADER



CUT-OFF WALL



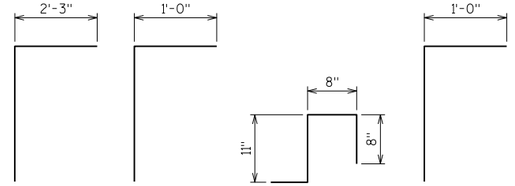
ALTERNATE CUT-OFF WALL

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALL. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.

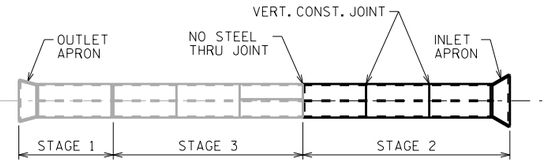
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

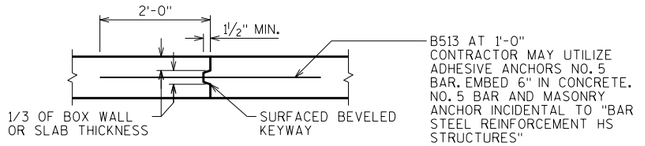
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B401		828	6'-7"	X		CORNERS
B402		207	17'-9"			TOP - TRANS.
B403		105	17'-9"			BOTTOM - TRANS.
B404		105	5'-8"			BOTTOM - TRANS.
B605		138	6'-4"			TOP - TRANS.
B606		138	6'-4"			BOTTOM - TRANS.
B407		210	6'-1"			EXTERIOR WALLS - VERT.
B408		210	7'-1"	X		INTERIOR WALLS - VERT.
B409		420	2'-2"			WALLS - DOWELS - VERT.
B410		180	33'-10"			TOP & BOTTOM SLAB & WALLS - LONGIT.
B311		24	2'-6"	X		OUTLET HEADER - STIRRUPS - VERT.
B412		8	17'-9"			HEADERS - HORIZ.
B513		108	4'-0"			VERT. CONST. JOINT - BETWEEN PANELS
B414		18	5'-6"	X		CUT-OFF WALL - VERT.
B415		4	17'-9"			CUT-OFF WALL - HORIZ.



B401 B408 B311 B414

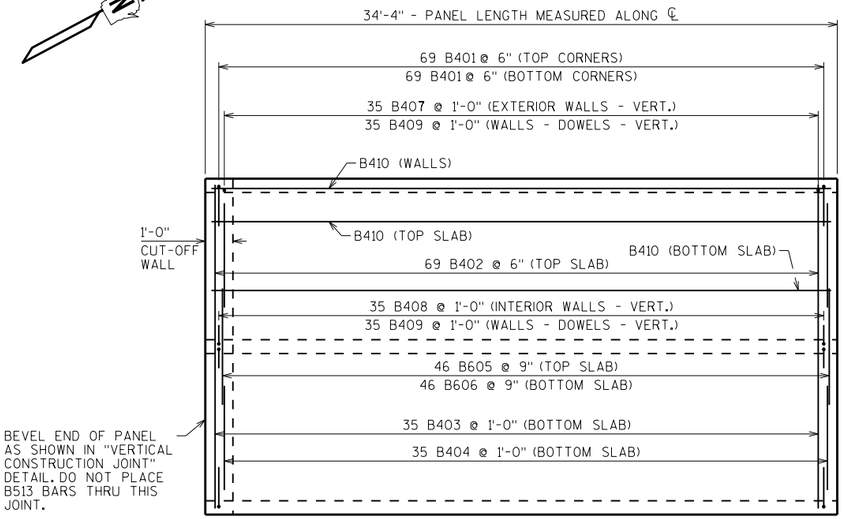


VERTICAL CONSTRUCTION JOINT - PLAN VIEW

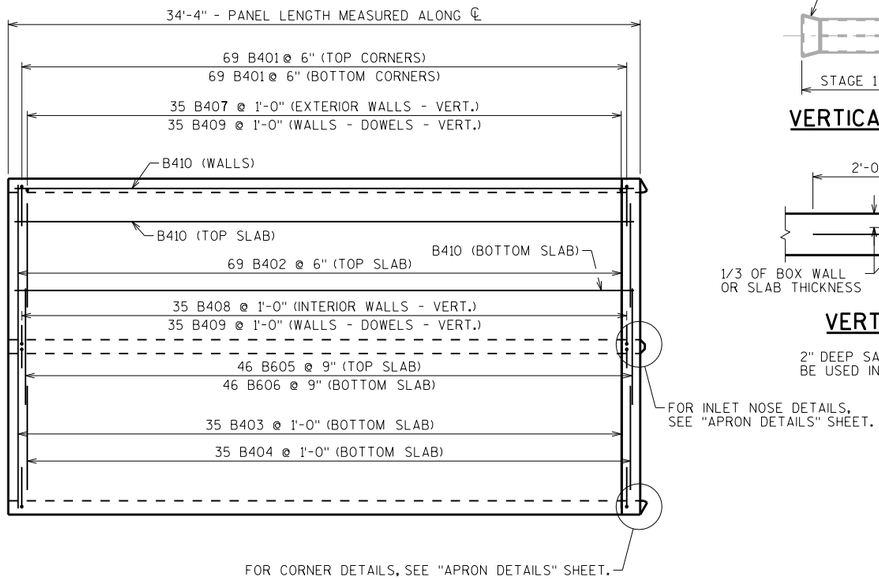


VERTICAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.



PLAN VIEW OF INTERIOR PANELS



PLAN VIEW OF INLET PANEL

HEADER BARS & APRON NOT SHOWN FOR CLARITY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3089 STG 2

DRAWN BY ABS | PLANS CK'D. NAR

BOX DETAILS

SHEET 3

375

SCALE = 4.00

8

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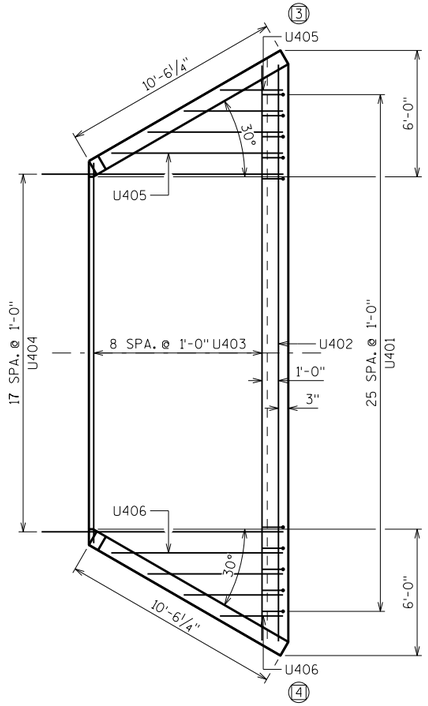
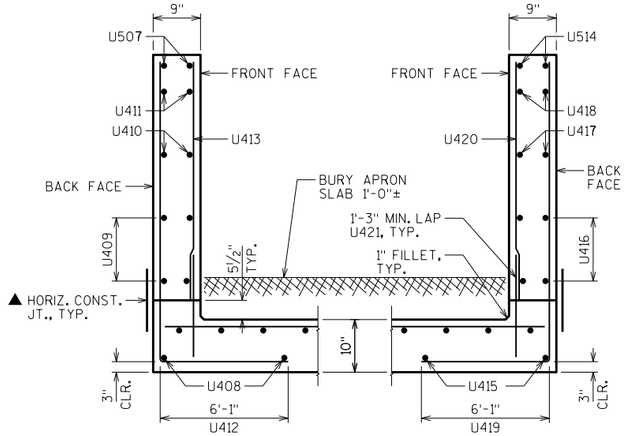


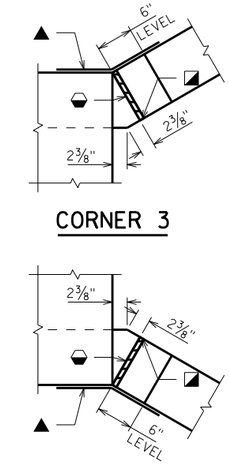
INLET APRON PLAN



WING 3 SECTION

WING 4 SECTION

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING, PLACE ALONG HORIZ. CONST. JT. FOR ENTIRE WING LENGTH, TYP.



CORNER DETAILS

◓ 3/4" FILLER, TYP. EXTEND FILLER FROM HORIZ. CONST. JT. TO TOP OF WING.

◪ 1" BEVEL, TYP.

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JT. TO TOP OF WALL.

STATE PROJECT NUMBER

1007-11-76

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

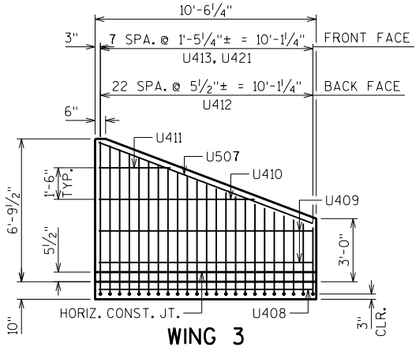
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
U401		26	3'-6"	X		INLET APRON AND CUTOFF WALL VERT.
U402		3	27'-5"			INLET APRON AND CUTOFF WALL HORIZ.
U403		9	22'-8"		◭	INLET APRON SLAB HORIZ.
U404		18	11'-6"			INLET APRON AND BOX SLAB HORIZ.
U405		4	5'-7"		◭	INLET APRON SLAB HORIZ.
U406		4	5'-7"		◭	INLET APRON SLAB HORIZ.
U507	X	2	10'-10"			WING 3 HORIZ. TOP BOTH FACES
U408	X	2	10'-1"			WING 3 HORIZ. APRON SLAB
U409	X	4	10'-1"			WING 3 HORIZ. BOTTOM BOTH FACES
U410	X	2	7'-3"			WING 3 HORIZ.
U411	X	2	3'-4"			WING 3 HORIZ.
U412	X	23	11'-4"	X	◭	WING 3 VERT. BACK FACE
U413	X	8	4'-4"		◭	WING 3 VERT. FRONT FACE
U514	X	2	10'-10"			WING 4 HORIZ. TOP BOTH FACES
U415	X	2	10'-1"			WING 4 HORIZ. APRON SLAB
U416	X	4	10'-1"			WING 4 HORIZ. BOTTOM BOTH FACES
U417	X	2	7'-3"			WING 4 HORIZ.
U418	X	2	3'-4"			WING 4 HORIZ.
U419	X	23	11'-4"	X	◭	WING 4 VERT. BACK FACE
U420	X	8	4'-4"		◭	WING 4 VERT. FRONT FACE
U421	X	16	2'-3"			WINGS 3 & 4 DOWELS FRONT FACE

◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

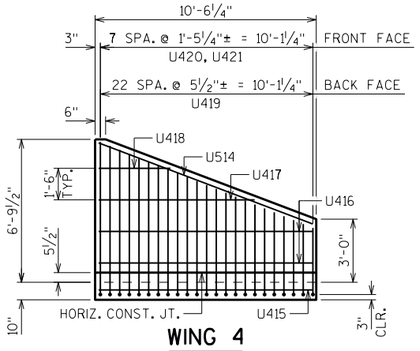
BAR MARK	NO. REQ'D	LENGTH
U403	1 SERIES OF 9	18'-1" TO 27'-4"
U405	1 SERIES OF 4	3'-0" TO 8'-2"
U406	1 SERIES OF 4	3'-0" TO 8'-2"
U412	1 SERIES OF 23	9'-6" TO 13'-2"
U413	1 SERIES OF 8	2'-5" TO 6'-2"
U419	1 SERIES OF 23	9'-6" TO 13'-2"
U420	1 SERIES OF 8	2'-5" TO 6'-2"

BUNDLE AND TAG EACH SERIES SEPARATELY



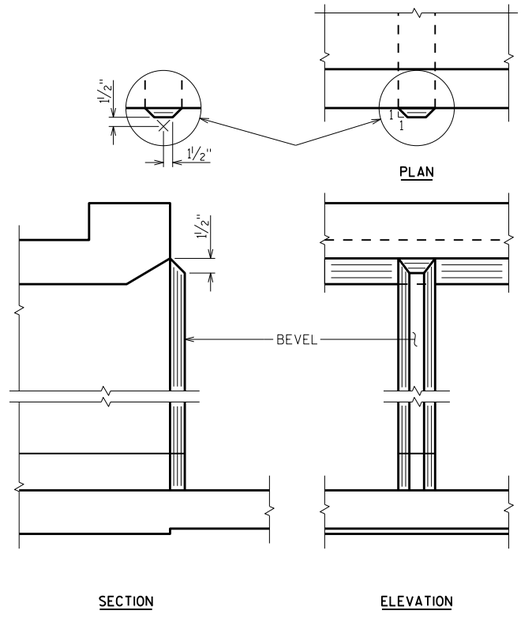
WING 3

SHOWING BACK FACE REINFORCEMENT

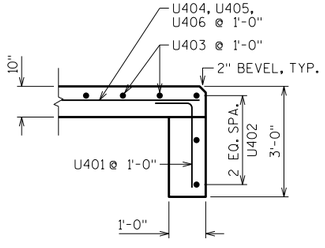


WING 4

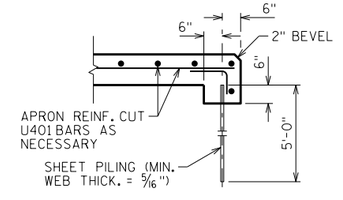
SHOWING BACK FACE REINFORCEMENT



INLET NOSE DETAILS

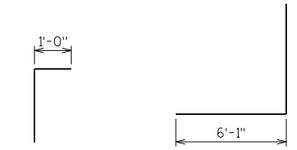


INLET CUT-OFF WALL

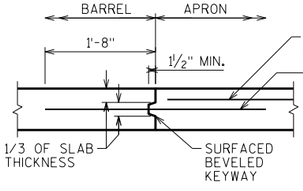


ALTERNATE CUT-OFF WALL

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.



U401 U412, U419



OPTIONAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3089 STG 2

DRAWN BY ABS | PLANS CK'D. NAR

APRON DETAILS

SHEET 4

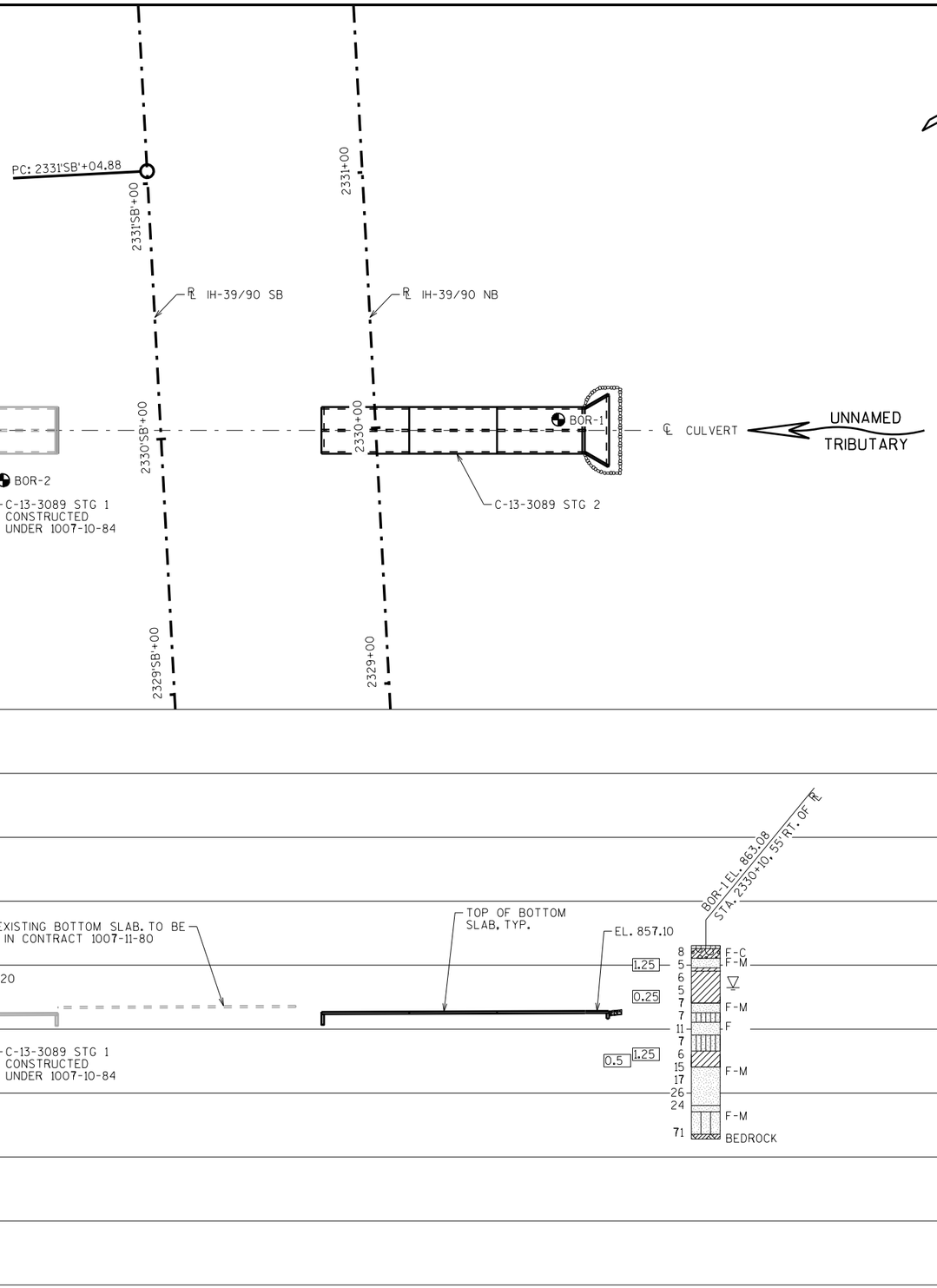
376

SCALE = 3.50

8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	05/18/2016	457984.600	866864.163
2	05/20/2016	457781.902	866782.928
BORINGS COMPLETED BY: SES			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY			



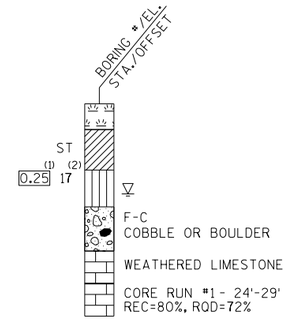
STATE PROJECT NUMBER

1007-11-76

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3089 STG 2

DRAWN BY TLP/ABS | PLANS CK'D. NAR

SUBSURFACE EXPLORATION

SHEET 5

377

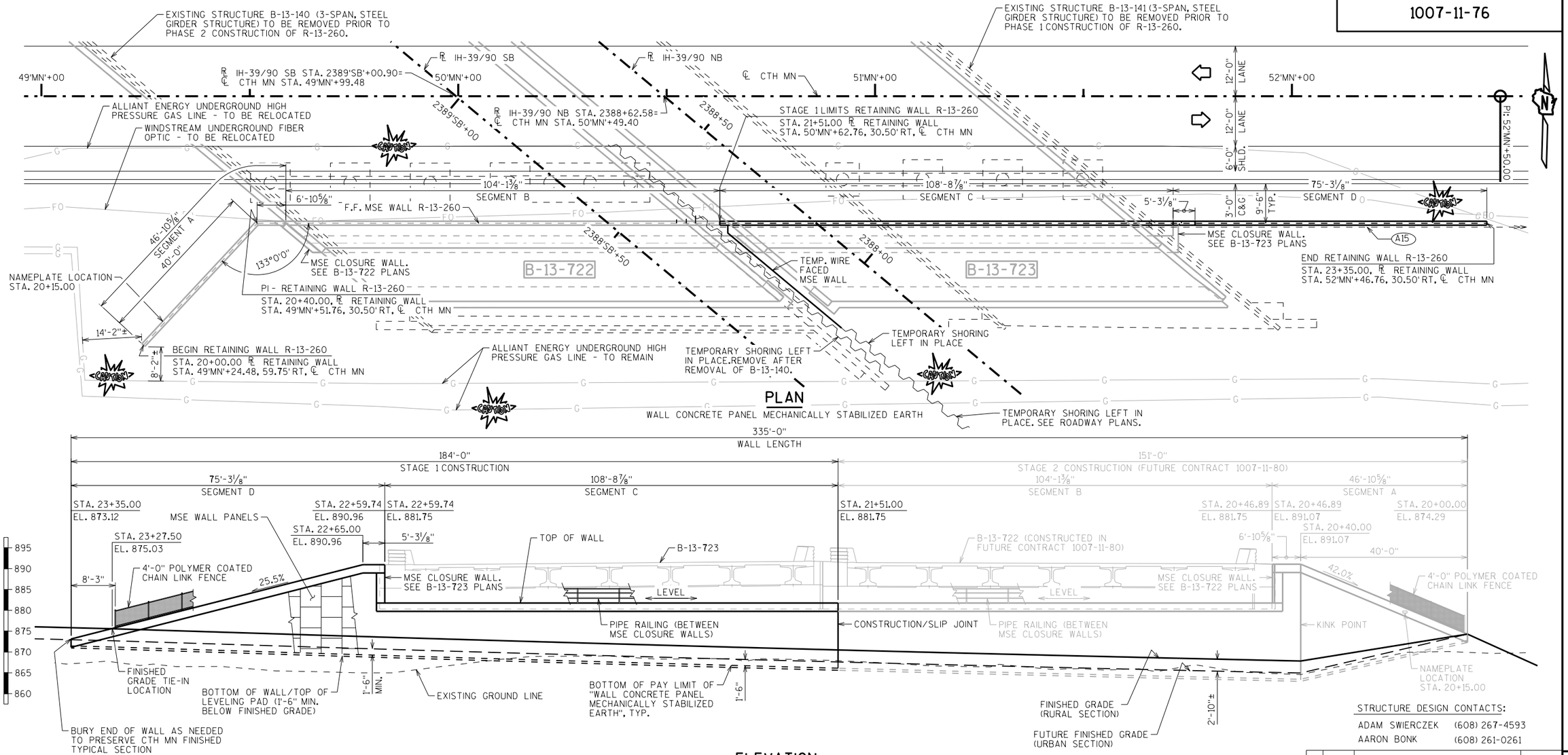
SCALE = 25.00

8

8

STATE PROJECT NUMBER

1007-11-76



PLAN

WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH

ELEVATION

LOOKING SOUTH AT F.F. WALL
(DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL)

STRUCTURE DESIGN CONTACTS:

ADAM SWIERCZEK (608) 267-4593
AARON BONK (608) 261-0261

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE PLANS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPE BEHIND WALL AS SHOWN ON "TYPICAL WALL SECTIONS" SHEET.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

ALLOWABLE WALL SYSTEMS

WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH

MATERIAL PROPERTIES

CONCRETE MASONRY (COPING) ——— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

LIST OF DRAWINGS

1. GENERAL PLAN
2. QUANTITIES, WALL DATA & PROFILES
3. TYPICAL WALL SECTIONS
4. COPING DETAILS
5. CHAIN LINK FENCE DETAILS
6. PIPE RAILING DETAILS
7. TEMPORARY SHORING DETAILS
8. SUBSURFACE EXPLORATION

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 11/16/17
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-13-260 STG 1

RETAINING WALL S. OF CTH MN UNDER IH-39/90

COUNTY	TOWN
DANE	PLEASANT SPRINGS

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
ABS	SAD	ABS	SAD

GENERAL PLAN

SHEET 1 OF 8

378

I.D. 1007-10-01AG DATE: NOV. 2017

SCALE = 12.00

8

8

STATE PROJECT NUMBER

1007-11-76

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL IN THE REINFORCING ZONE	30	0	120
FILL BEHIND THE THE REINFORCING ZONE	31	0	120
BOR-3 - STA. 49+08 - 23'RT OF ℄ CTH MN			
SAND, BROWN, FINE TO MEDIUM, SOME SILT AND GRAVEL EL. 862.3 TO EL 852.3	32	0	120
SANSTONE BEDROCK EL. 852.3 AND BELOW	40	0	140
BOR-4 - STA. 52+36 - 16'RT OF ℄ CTH MN			
SAND, BROWN, FINE TO MEDIUM, SOME SILT, SOME GRAVEL EL. 872.3 TO EL 868.8	32	0	120
SAND, BROWN, FINE TO MEDIUM, SOME SILT, SOME GRAVEL, COBBLES EL. 868.8 TO EL 866.8	32	0	120
SAND, BROWN, FINE TO MEDIUM, SOME FINE TO COARSE GRAVEL, LITTLE SILT, COBBLES EL. 866.8 TO EL 863.8	32	0	120
SAND, BROWN, FINE, LITTLE SILT EL. 863.8 TO EL 861.8	32	0	120
SAND, BROWN, FINE TO MEDIUM, SOME FINE TO COARSE GRAVEL, TRACE SILT EL. 861.8 TO EL 860.8	32	0	120
SAND, BROWN, FINE TO MEDIUM, TRACE FINE GRAVEL EL. 860.8 TO EL 858.3	32	0	120
SANSTONE BEDROCK EL. 858.3 AND BELOW	40	0	140

NOTES:
1. REMOVE 1'-0" OF TOPSOIL, SILT AND CLAY BELOW THE LEVELING PAD AND REPLACE WITH GRANULAR BACKFILL
2. THE SOUTHWEST REGION SOILS ENGINEER SHOULD REVIEW THE FILL SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALL.

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS				
WALL HEIGHT (FEET)[1]	27.5	18.5[2]	15.4[2]	21.8
EXPOSED WALL HEIGHT (FEET)	26.0	17.0	13.9	20.3
MINIMUM LENGTH OF REINFORCEMENT (FEET)[3]	19.3	13.0	11.1	15.3
LENGTH OF REINFORCEMENT TO HEIGHT RATIO	0.70	0.70	0.72	0.70
BORING LOCATION USED	BOR - 3	BOR - 3	BOR - 4	BOR - 4
APPROXIMATE WALL STATION	20+44	20+50	21+65	22+55
CAPACITY TO DEMAND RATIO (CDR)[4]				
SLIDING (CDR > 1.0)	1.15	1.01	1.01	1.14
ECCENTRICITY (CDR > 1.0)	1.28	1.10	1.14	1.29
OVERALL STABILITY (CDR > 1.0)	1.2	NA[5]	NA[5]	NA[5]
BEARING RESISTANCE (CDR > 1.0)	1.2	1.6	1.7	1.3
FACTORED BEARING RESISTANCE (PSF)	9,500	9,500	8,000	8,000

NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FEET.
2. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE LOAD THAT WAS EQUAL TO THE WEIGHT OF THE SOIL BEHIND THE ABUTMENT.
3. THE LENGTH OF REINFORCEMENT IS THE MINIMUM REQUIRED LENGTH AT THAT LOCATION.
4. CDR REQUIREMENTS AND LOAD AND RESISTANCE FACTORS ARE PRESENTED IN CHAPTER 14 OF THE BRIDGE MANUAL.
5. NA NOT APPLICABLE, GLOBAL SLOPE STABILITY WAS EVALUATED AT THE CRITICAL WALL LOCATION.

GEOMETRY TABLE

		WALL STATION	℄ CTH MN STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.	FUTURE FINISHED GRADE ELEV.	EXISTING GROUND ELEV.
STAGE 2 CONSTRUCTION CONTRACT 1007-11-80	SEGMENT A	20+00.00	49+24.48 'MN'	59.75 RT	874.29	874.29	874.29	869.91
		20+25.00	49+41.53 'MN'	41.47 RT	884.78	870.25	868.45	867.74
		20+40.00	49+51.76 'MN'	30.50 RT	891.07	867.83	864.95	864.58
		20+46.89	49+58.64 'MN'	30.50 RT	891.07	867.98	865.10	864.85
	SEGMENT B	20+46.89	49+58.64 'MN'	30.50 RT	881.75	867.98	865.10	864.85
		20+50.00	49+61.76 'MN'	30.50 RT	881.75	868.05	865.17	864.97
		20+75.00	49+86.76 'MN'	30.50 RT	881.75	868.62	865.74	865.20
		21+00.00	50+11.76 'MN'	30.50 RT	881.75	869.21	866.33	865.83
		21+25.00	50+36.76 'MN'	30.50 RT	881.75	869.82	866.94	866.60
		21+50.00	50+61.76 'MN'	30.50 RT	881.75	870.46	867.58	867.85
		21+51.00	50+62.76 'MN'	30.50 RT	881.75	870.48	867.61	867.89
STAGE 1 CONSTRUCTION THIS CONTRACT	SEGMENT C	21+51.00	50+62.76 'MN'	30.50 RT	881.75	870.48	867.61	867.89
		21+75.00	50+86.76 'MN'	30.50 RT	881.75	871.12	868.24	868.09
		22+00.00	51+11.76 'MN'	30.50 RT	881.75	871.81	868.93	868.65
		22+25.00	51+36.76 'MN'	30.50 RT	881.75	872.52	869.64	868.88
		22+50.00	51+61.76 'MN'	30.50 RT	881.75	873.25	870.37	866.02
		22+59.74	51+71.50 'MN'	30.50 RT	881.75	873.54	870.66	865.83
	SEGMENT D	22+59.74	51+71.50 'MN'	30.50 RT	890.96	873.54	870.66	865.83
		22+65.00	51+76.76 'MN'	30.50 RT	890.96	873.70	870.82	865.00
		22+75.00	51+86.76 'MN'	30.50 RT	888.38	874.01	871.13	865.23
		23+00.00	52+11.76 'MN'	30.50 RT	882.02	874.78	871.91	866.52
		23+25.00	52+36.76 'MN'	30.50 RT	875.66	875.56	872.69	867.60
		23+27.50	52+39.26 'MN'	30.50 RT	875.03	875.64	872.77	867.71
		23+35.00	52+46.76 'MN'	30.50 RT	873.12	875.88	873.00	867.16

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
511.2200	TEMPORARY SHORING LEFT IN PLACE R-13-260	SF	960
513.2001	RAILING PIPE R-13-260	LF	108
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	2
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	115
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	185
SPV.0090.850	FENCE CHAIN LINK POLYMER-COATED 4-FT. R-13-260	LF	75
SPV.0165.850	TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH	SF	800
SPV.0165.852	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH	SF	2,465
	NON-BID ITEMS		
	NON-BITUMINOUS JOINT FILLER	SIZE	½", ¾", 1"
	EXPANDED POLYSTYRENE	SIZE	1"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

ALL BAR STEEL REINFORCEMENT IN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD 1/8" BELOW THE SURFACE OF CONCRETE).

ALL WALL STATIONING AND OFFSETS ARE GIVEN AT THE FRONT FACE OF WALL R-13-260.

THE EXISTING GROUND LINE IS THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

THE PLAN QUANTITY FOR THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF THE WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FUTURE FINISHED GRADE (URBAN SECTION).

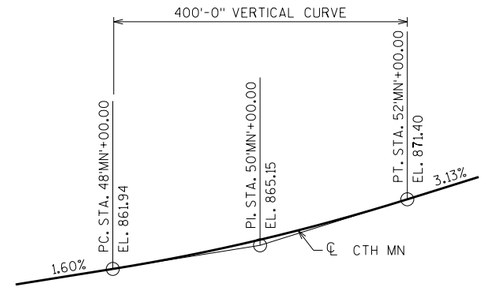
COORDINATE THE CONSTRUCTION OF RETAINING WALL R-13-260 WITH THE SOUTH ABUTMENT OF BRIDGE B-13-723.

THE REMOVAL OF THE EXISTING STRUCTURE IS INCLUDED IN A LUMP SUM PAY ITEM FOR BRIDGE B-13-723.

THE DESIGN OF THE WALL IN FRONT OF THE ABUTMENT SHALL INCLUDE THE HORIZONTAL EARTH LOADS AND 240 PSF LIVE LOAD SURCHARGE ACTING ON THE BACK OF THE ABUTMENT BELOW THE BEAM SEATS.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF EXPANSION JOINTS.

THIS PLAN IS FOR R-13-260 STAGE 1 CONSTRUCTION. STAGE 2 CONSTRUCTION IS ON FUTURE CONTRACT 1007-11-80.



PROFILE GRADE LINE CTH MN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-13-260 STG 1

DRAWN BY ABS | PLANS CK'D. SAD

QUANTITIES, WALL DATA & PROFILES

SHEET 2

379

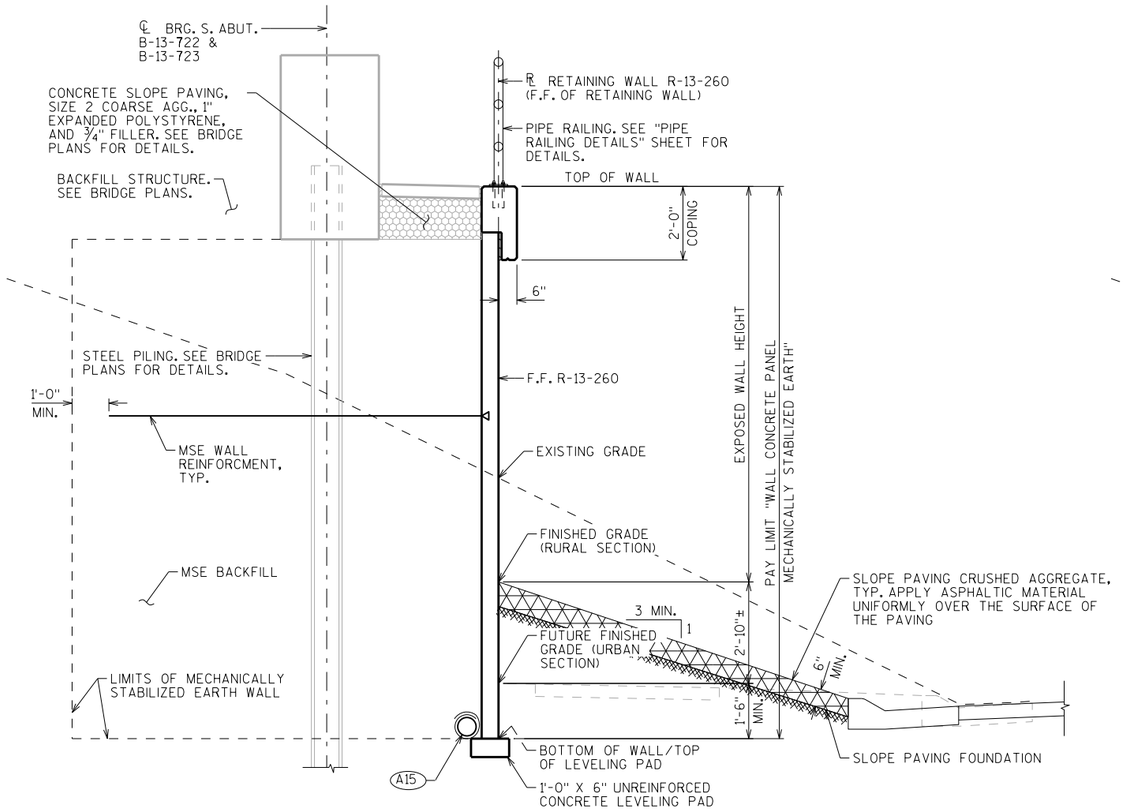
8

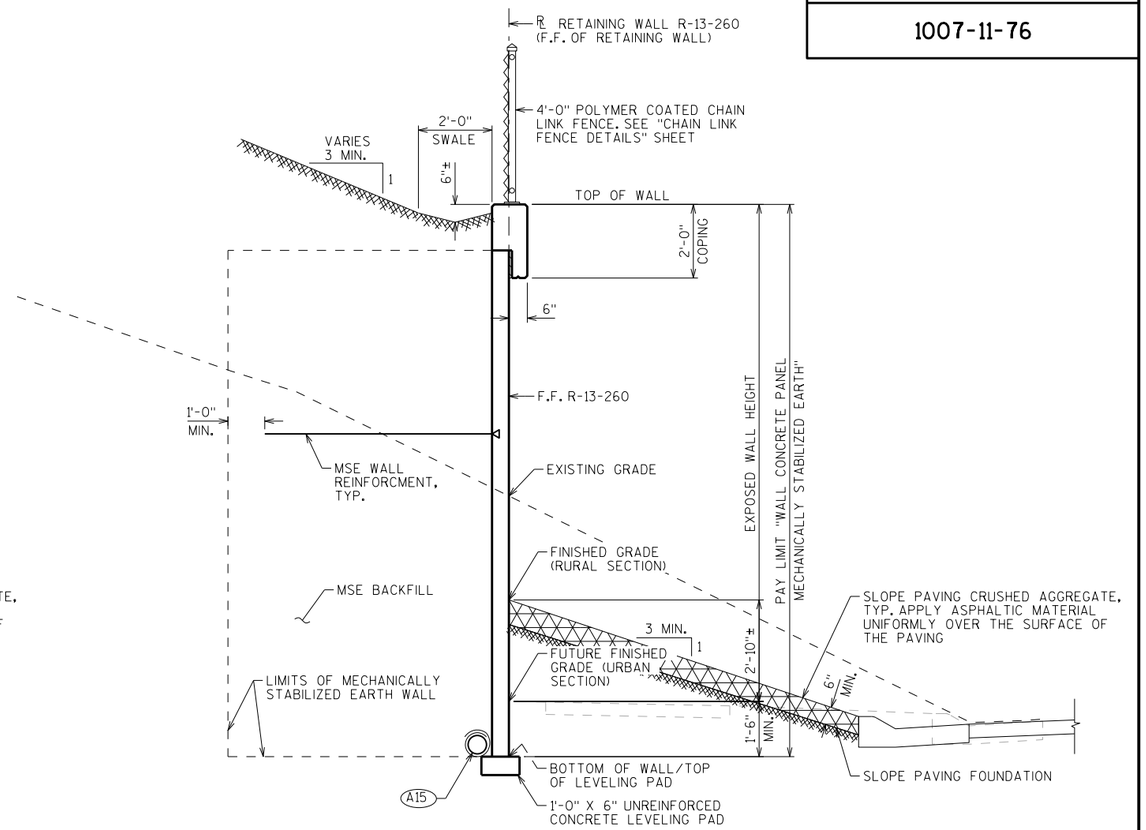
8

SCALE = 1.00

STATE PROJECT NUMBER

1007-11-76



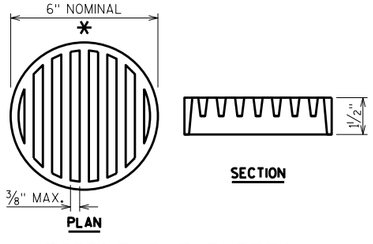


TYPICAL SECTION AT ABUTMENT

LOOKING WEST
SEGMENTS B: STA. 20+46.89 TO 21+51.00
SEGMENT C: STA. 21+51.00 TO 22+59.74

TYPICAL SECTION

LOOKING WEST
SEGMENT A: STA. 20+00.00 TO 20+46.89
SEGMENT D: STA. 22+59.74 TO 23+35.00

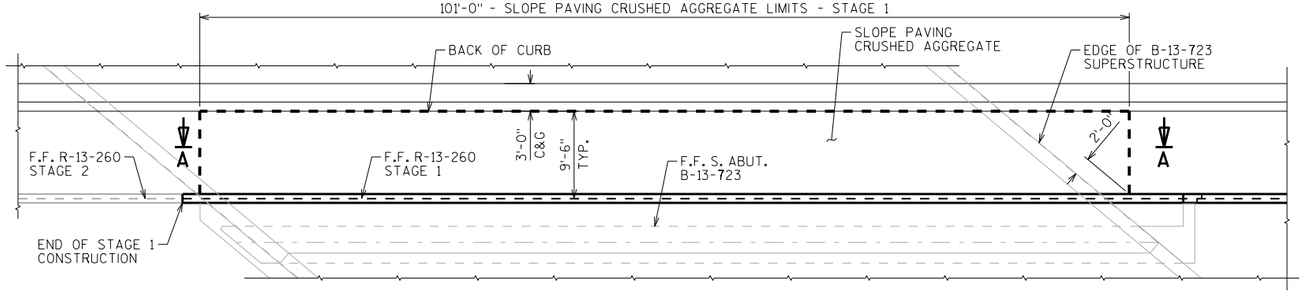


RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHEMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

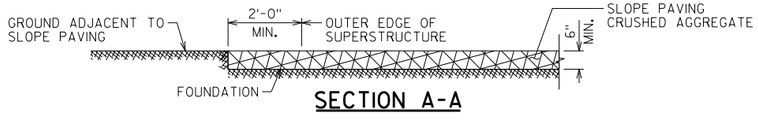


SLOPE PAVING LIMITS - PLAN

ROUND STONE WILL NOT BE ACCEPTED.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.



SECTION A-A

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-13-260 STG 1

DRAWN BY ABS | PLANS CK'D. SAD

TYPICAL WALL SECTIONS

SHEET 3

380

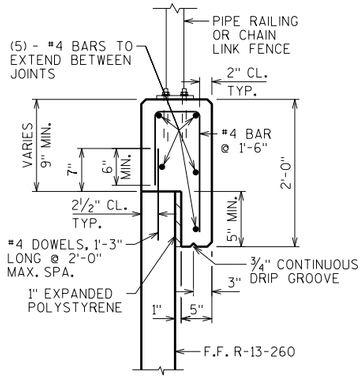
SCALE = 2.00

8

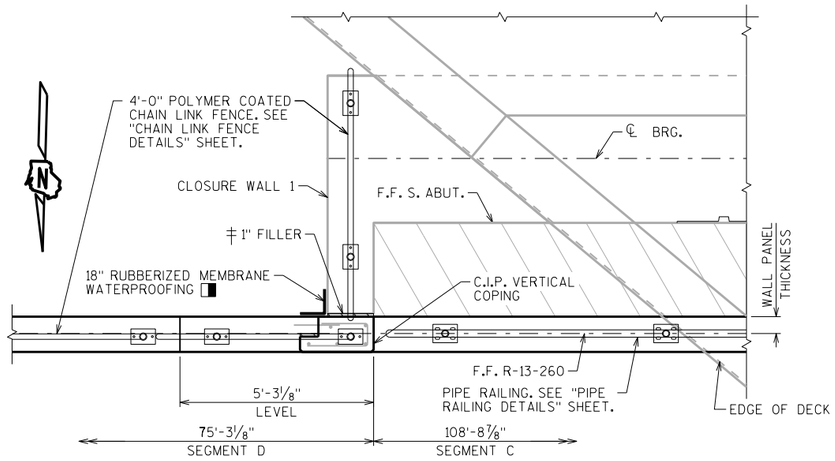
8

STATE PROJECT NUMBER

1007-11-76

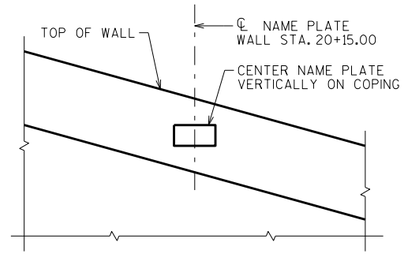


CAST-IN-PLACE CONCRETE COPING DETAIL



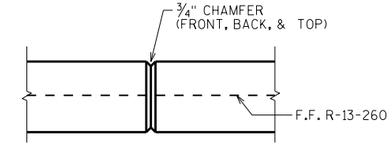
CAST-IN-PLACE VERTICAL CONCRETE COPING DETAIL

B-13-723 CLOSURE WALL 1 SHOWN



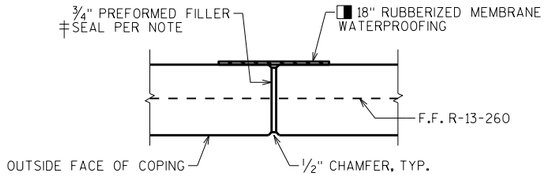
NAME PLATE DETAIL

(TO BE INSTALLED ON FUTURE CONTRACT 1007-11-80)



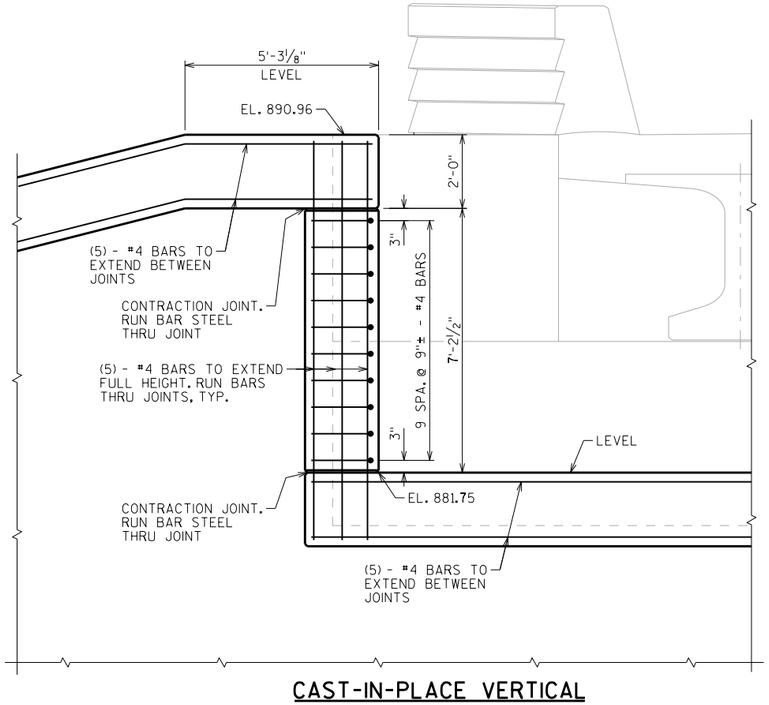
COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 12'



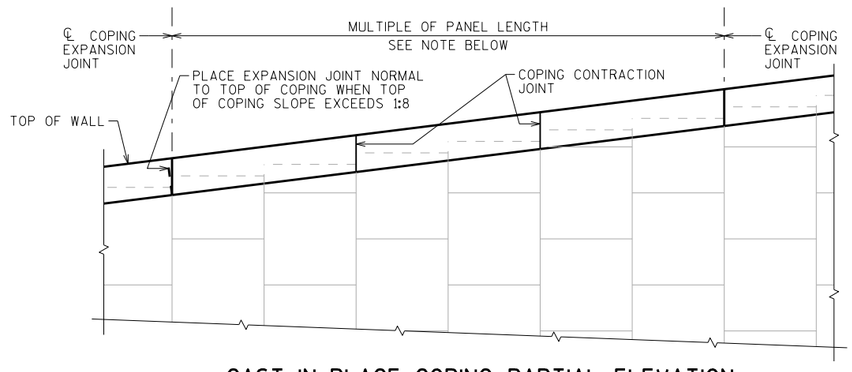
COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'



CAST-IN-PLACE VERTICAL CONCRETE COPING ELEVATION

LOOKING SOUTH AT F.F. OF WALL
FENCE AND RAILING NOT SHOWN FOR CLARITY



CAST-IN-PLACE COPING PARTIAL ELEVATION

LOOKING AT F.F. WALL

NOTE:
ALL JOINTS MUST COINCIDE WITH PANEL JOINT ON FRONT FACE.

LEGEND

‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLE ⅛" BELOW SURFACE OF CONC.)

◨ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-13-260 STG 1

DRAWN BY ABS | PLANS CK'D. SAD

COPING DETAILS

SHEET 4

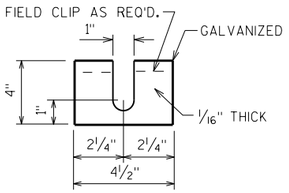
381

SCALE = 2.00

STATE PROJECT NUMBER
1007-11-76

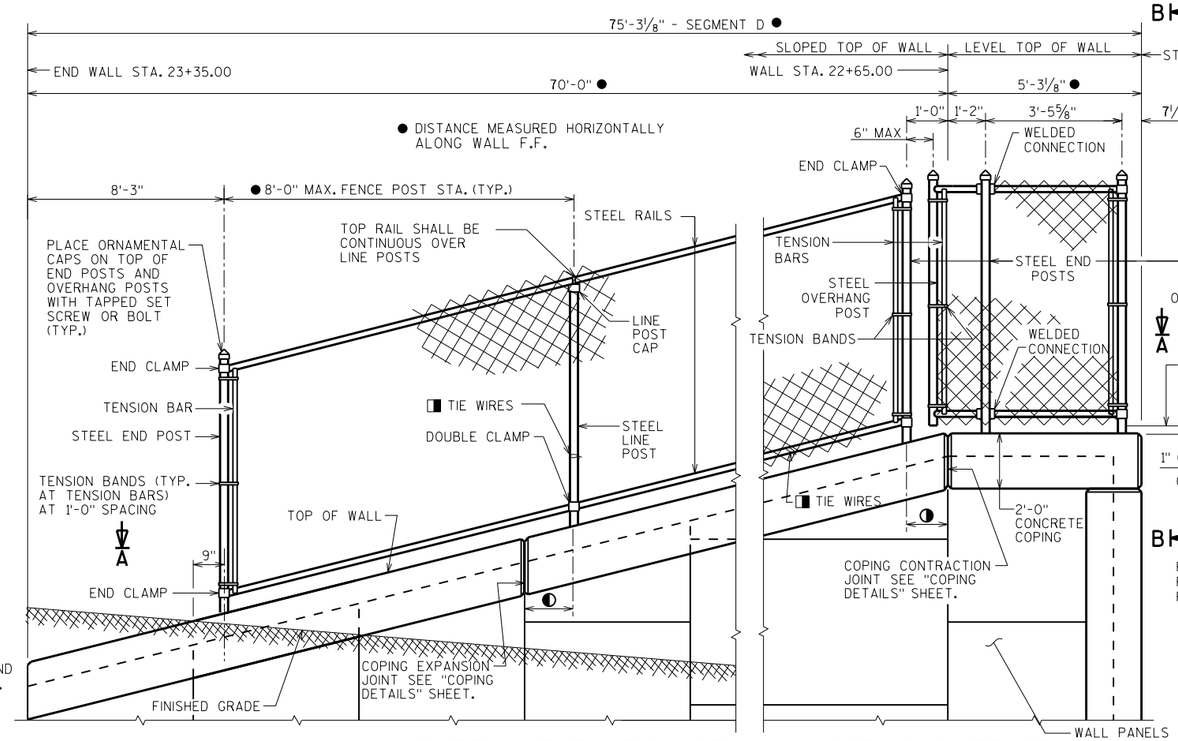
FENCE MEMBER SIZE & WEIGHT

STEEL FENCE MEMBER	OUTSIDE DIAMETER (INCHES)	WEIGHT (LB/FT)
RAILS	1.660	2.27
END POST	2.875	5.80
OVERHANG POST	2.875	5.80
LINE POST	2.375	3.65
POST SLEEVE	4.000	9.12



POST SHIM DETAILS

SHIMS REQUIRED ONLY WHEN END POSTS AND LINE POSTS ARE WELDED TO BASE PLATES. PROVIDE 4 SHIMS PER POST. USE WHERE REQUIRED FOR ALIGNMENT.



◐ 1'-0" MIN. DISTANCE REQUIRED BETWEEN THE ℄ OF COPING JOINTS (BOTH EXPANSION AND CONTRACTION JOINTS) AND THE ℄ OF FENCE POSTS

PARTIAL ELEVATION OF WALL COPING & FENCE

(LOOKING SOUTH AT F.F. WALL)

SECTION B-B

(LOOKING EAST)

SEE "COPING DETAILS" SHEET FOR CHAIN LINK FENCE PLAN VIEW

NOTES

POSTS ARE TO BE SET VERTICAL.

ALL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH A COLORED POLYMER-COATING ON THE OUTSIDE.

FABRIC SHALL CONFORM TO ASTM F668, CLASS 2B. STEEL RAILS, POSTS AND POST SLEEVES SHALL CONFORM TO ASTM F1083, STANDARD WEIGHT PIPE (SCHEDULE 40). FITTINGS SHALL CONFORM TO ASTM F626. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL DETAILS.

THE COLOR OF POLYMER-COATING FOR THIS STRUCTURE SHALL BE FEDERAL COLOR 30140 (BROWN) IN ACCORDANCE WITH ASTM F934.

THE BID ITEM SHALL BE "FENCE CHAIN LINK POLYMER-COATED 4-FT. R-13-260", LF.

COMPLETE ANY REQUIRED WELDING OF COMPONENTS BEFORE GALVANIZING.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

BASE PLATES, ANCHOR PLATES AND SHIMS SHALL BE ASTM A709, GRADE 36.

ALL POST SPACINGS ARE MEASURED HORIZONTALLY ALONG THE C/L OF THE POST.

▪ CAULK AROUND PERIMETER OF BASE PLATE AND FILL PORTION OF SLOTTED HOLE AROUND ANCHOR BOLT IN SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

✳ ALTERNATE TO DOUBLE CLAMP: USE LINE RAIL CLAMP (BOULEVARD) OR 180° BRACE BAND, WHICH MAY BE USED WHEN THE POSTS ARE EITHER BOLTED TO THE POST SLEEVES OR DIRECTLY WELDED TO THE BASE PLATE.

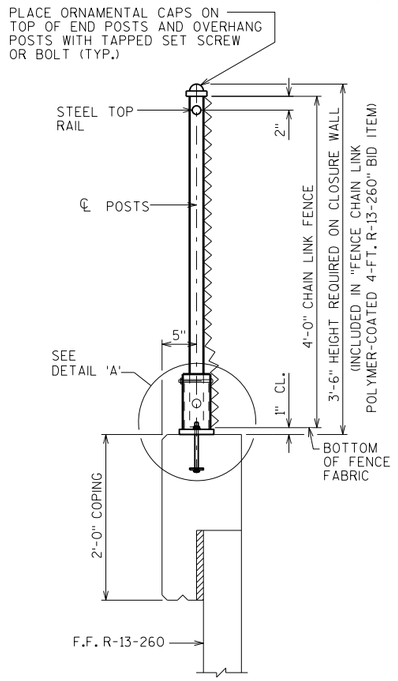
⚠ 1/2" DIA. X 6 7/8" LONG GALVANIZED HEX BOLT WITH NUT & WASHER. ✪

✪ ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS 1/2-INCH. EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.

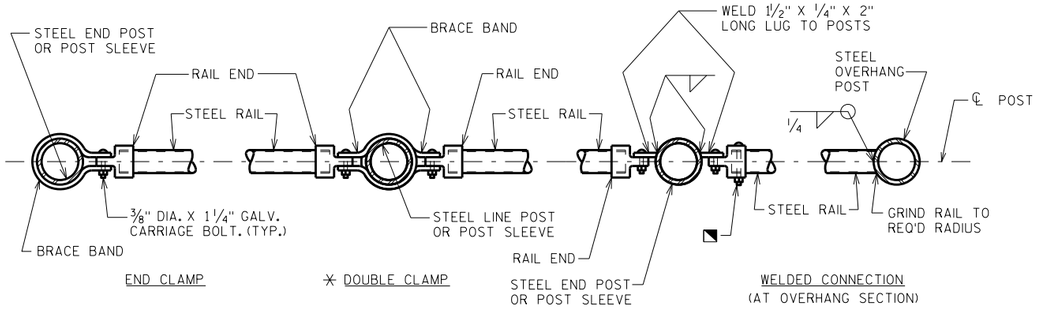
◨ ATTACH FABRIC TO RAILS, AND TO POSTS WITHOUT TENSION BANDS, WITH TIE WIRES (ROUND, 9-GAGE) SPACED AT 1'-0".

◹ BOLT RAIL TO RAIL END TO SECURE OVERHANG SECTION. ALTERNATE IS TO WELD RAIL DIRECTLY TO END POST.

MINIMUM LENGTH OF TOP RAIL BETWEEN SPLICES SHALL BE 20'-0". LOCATE SPLICES NEAR 1/4 POINT OF POST SPACING.

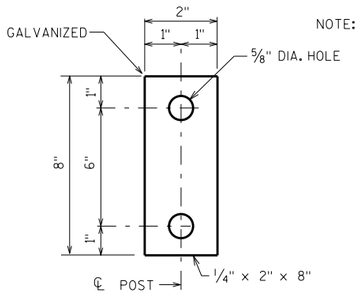


SECTION THRU FENCE



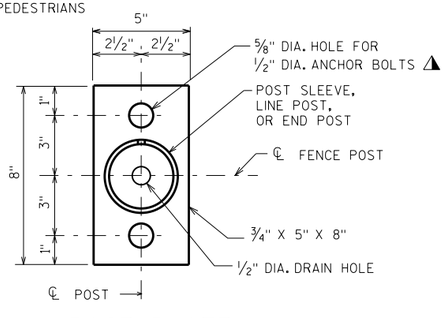
SECTION A-A

NOTE: PLACE ALL BOLT HEADS ON SIDE OF FENCE ADJACENT TO PEDESTRIANS

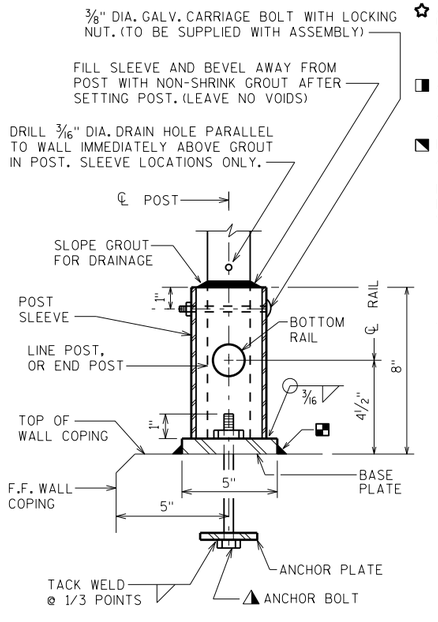


ANCHOR PLATE

✪ NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



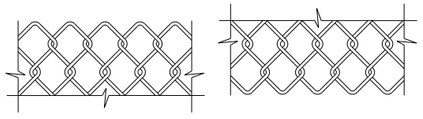
BASE PLATE



DETAIL 'A'

UNIT SHALL BE GALVANIZED AFTER FABRICATION

NOTE: IN LIEU OF USING THE POST SLEEVE, THE FENCE POST MAY BE WELDED TO THE BASE PLATE.



FENCE FABRIC

FENCE FABRIC WOVEN OF 9-GAGE WIRE IN 2" DIAMOND PATTERN MESH WITH BOTH THE TOP AND BOTTOM SELVAGES KNUCKLED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-13-260 STG 1

DRAWN BY: ABS | PLANS CK'D.: SAD

CHAIN LINK FENCE DETAILS

SHEET 5

382

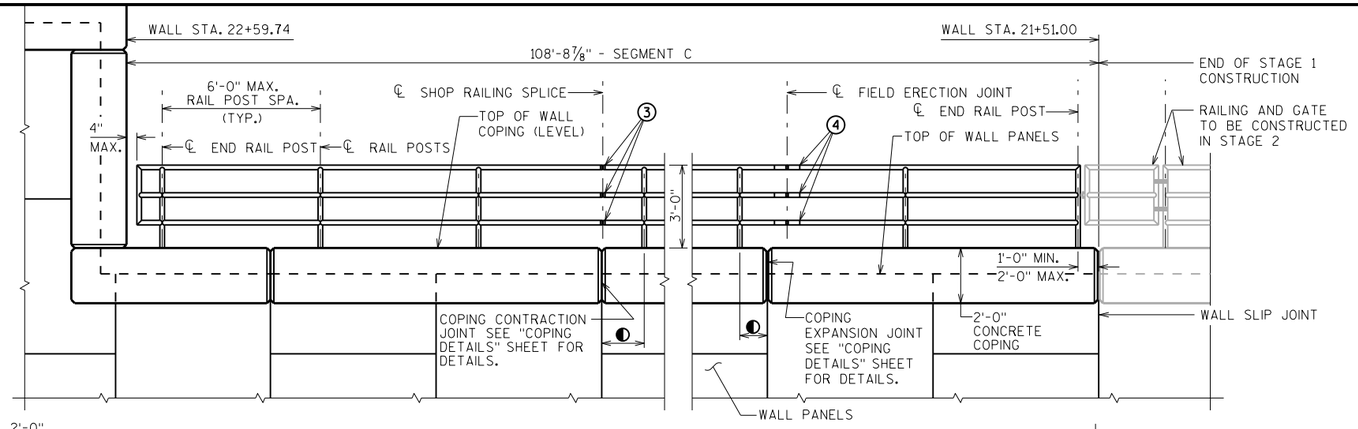
SCALE = 5.33

8

8

STATE PROJECT NUMBER

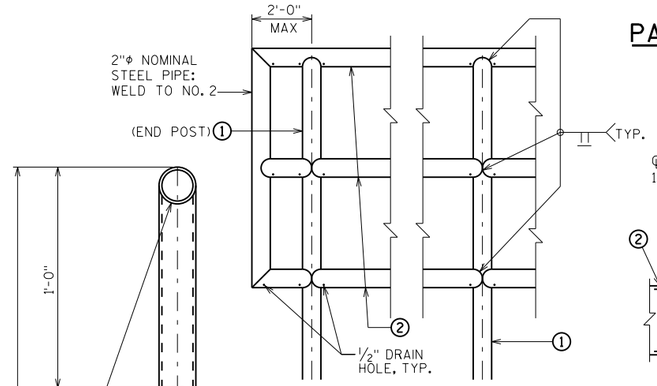
1007-11-76



PARTIAL ELEVATION OF WALL COPING & RAILING

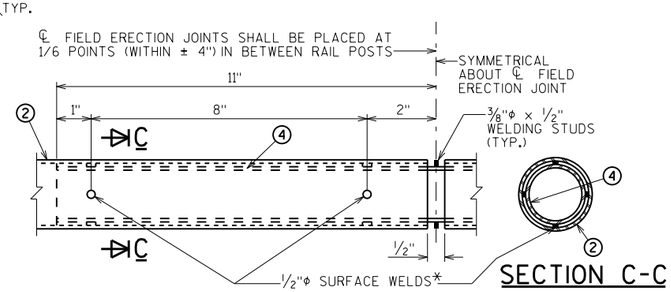
LOOKING SOUTH AT F.F. WALL

◐ 1'-0" MIN. DISTANCE REQUIRED BETWEEN THE ℄ OF COPING JOINTS (BOTH EXPANSION AND CONTRACTION JOINTS) AND THE ℄ OF RAIL POSTS



PART ELEVATION OF RAILING

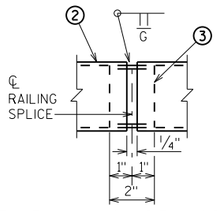
SECTION THRU RAILING



FIELD ERECTION JOINT DETAIL

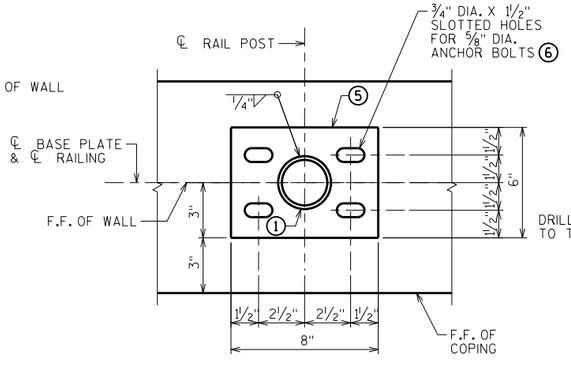
*MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.

SECTION C-C

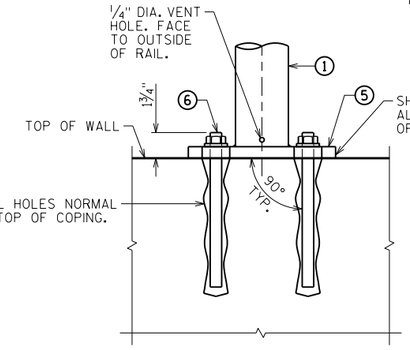


SHOP RAILING SPLICE DETAIL

(LOCATION MUST BE SHOWN ON THE SHOP DRAWINGS)

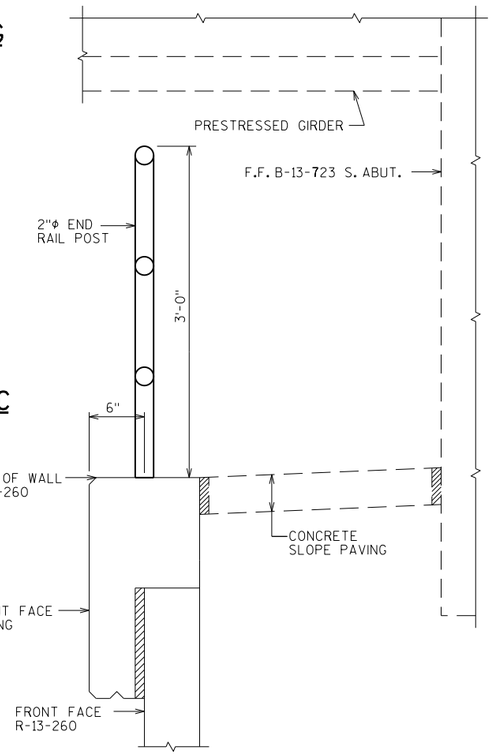


RAIL POST BASE PLATE

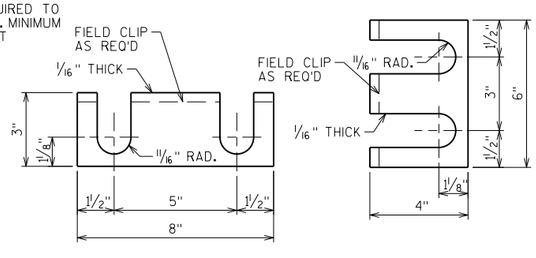


ANCHOR BOLTS FOR RAIL POST

BETWEEN EXPANSION JOINTS



SECTION THRU WALL AT ABUT.



RAIL POST SHIM DETAILS

2 SETS PER POST

LEGEND

① 2"φ NOMINAL STEEL PIPE FOR POSTS: CUT BOTTOM OF POST TO MATCH TOP OF CONCRETE. POSTS ARE TO BE SET VERTICAL.

② 2"φ NOMINAL STEEL PIPE FOR RAILS: WELD TO NO. 1

③ 1½"φ PIPE SLEEVE FOR NO. 2. PROVIDE "SLIDING FIT" WITH A MINIMUM OUT TO OUT DIMENSION OF 2 1/16".

④ 1½"φ PIPE SLEEVE x 1'-10" LONG FOR NO. 2. PROVIDE ½"φ SURFACE WELDS ON ALL SIDES AS SHOWN. GRIND WELDS TO FIT FREE INTO I.D. OF NO. 2. PROVIDE ⅜"φ x ½" WELDING STUDS ON TOP AND BOTTOM SURFACES AT CENTERLINE.

⑤ PLATE ¾" x 6" x 8", WITH ¾" DIA. X 1½" SLOTTED HOLES FOR ANCHOR BOLTS NO. 6. WELD TO NO. 1. OR PIPE SLEEVE AS SHOWN.

⑥ CONCRETE ADHESIVE ANCHORS ⅝"-INCH. EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATION

NOTES

BID ITEM SHALL BE "RAILING PIPE R-13-260", WHICH INCLUDES ALL ITEMS SHOWN.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

FIELD ERECTION JOINTS MUST BE PLACED IN BETWEEN RAIL POSTS WHERE THERE IS ALSO A CONCRETE COPING EXPANSION JOINT IN BETWEEN RAIL POSTS.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT. THE RAILING SHALL BE PAINTED FEDERAL COLOR NO. 30140 (BROWN).

DRILL DRAIN HOLES PRIOR TO GALVANIZING.

ALL MATERIALS USED IN FABRICATION SHALL BE MADE FROM MATERIALS CONFORMING TO A.S.T.M. DESIGNATION A709 GRADE 36 UNLESS NOTED OTHERWISE.

STEEL POST SHIMS MAY BE USED UNDER POSTS WHERE REQ'D. FOR ALIGNMENT.

ALL RAILS, POSTS AND SLEEVES ARE STANDARD WEIGHT PIPE, SCHEDULE 40.

PLACE ALL NUTS ON OUTSIDE OF POSTS.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING.

CAULK AROUND PERIMETER OF BASE PLATES AND FILL PORTION OF SLOTTED HOLES AROUND ANCHOR BOLTS IN POST SHIMS AND BASE PLATES WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-13-260 STG 1

DRAWN BY ABS | PLANS CK'D. SAD

PIPE RAILING DETAILS

SHEET 6

383

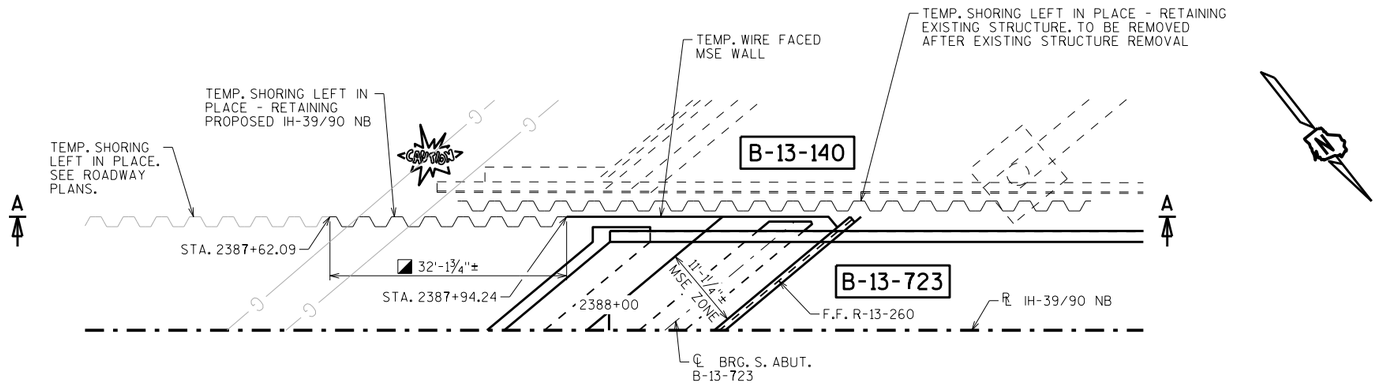
SCALE = 5.33

8

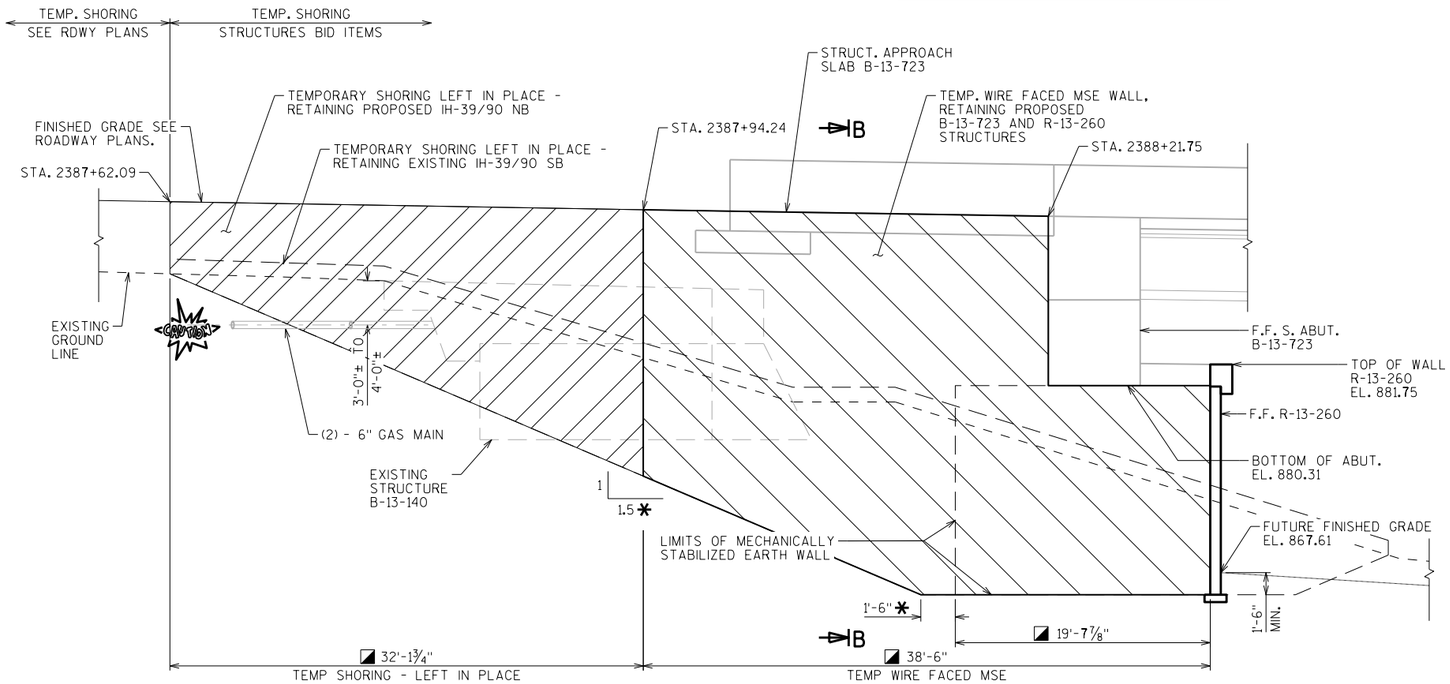
8

STATE PROJECT NUMBER

1007-11-76

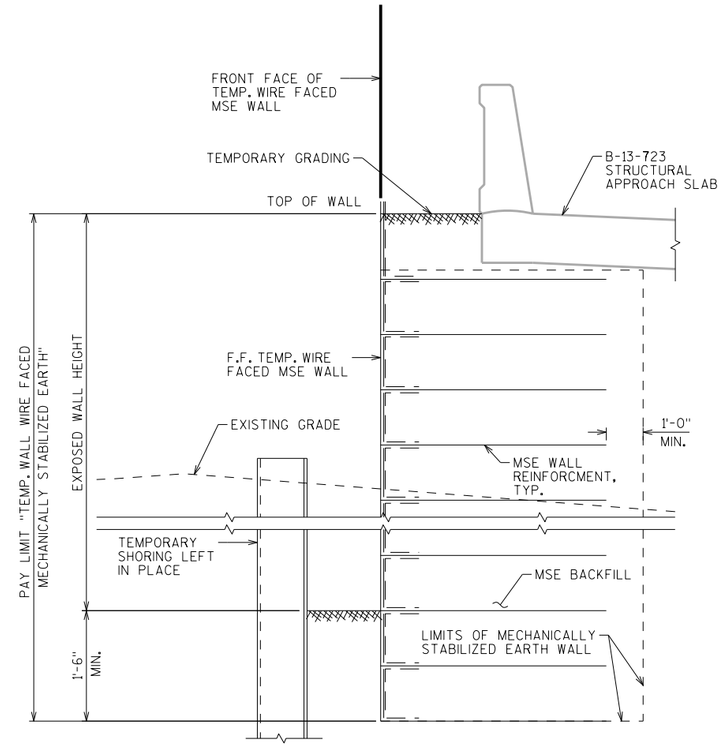


PLAN - TEMPORARY SHORING



SECTION A-A

LOOKING SOUTHWEST



SECTION B-B

LOOKING NORTH

LEGEND

◪ DIMENSION IS BASED UPON THEORETICAL REINFORCEMENT STRAP LENGTHS OF 0.7H. ACTUAL DIMENSION WILL BE BASED ON CONTRACTOR DESIGN.

✱ MEASURED PERPENDICULAR TO B.F. MSE WALL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-13-260 STG 1

DRAWN BY ABS | PLANS CK'D. SAD

TEMPORARY SHORING DETAILS

SHEET 7

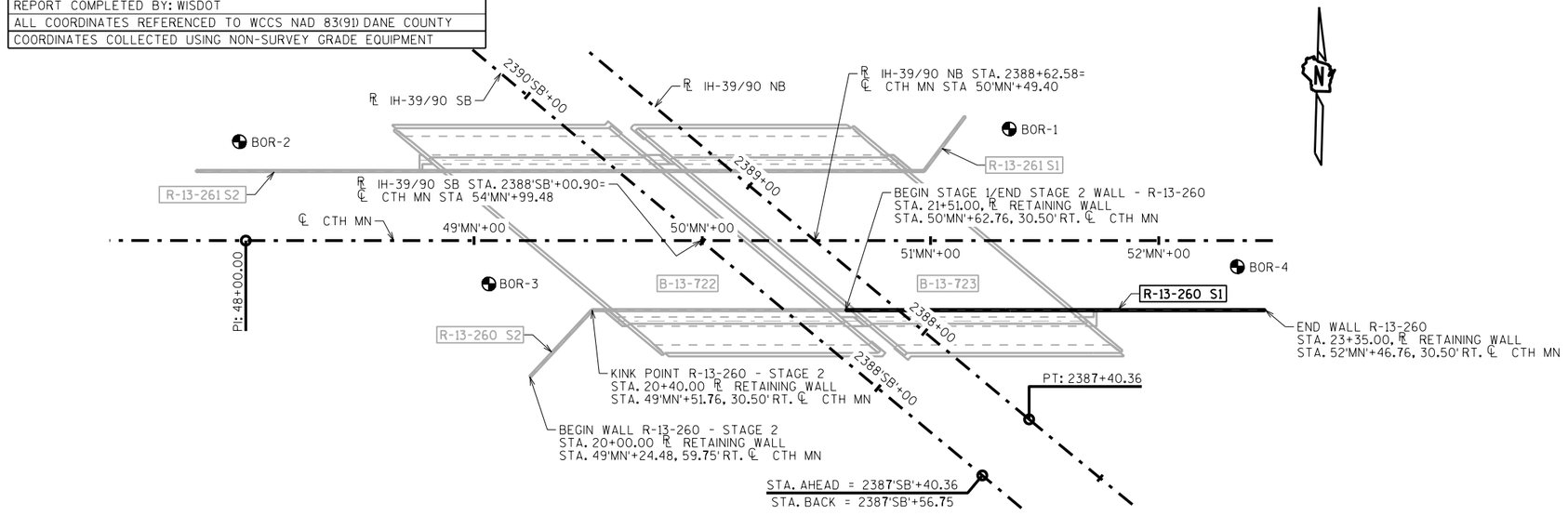
384

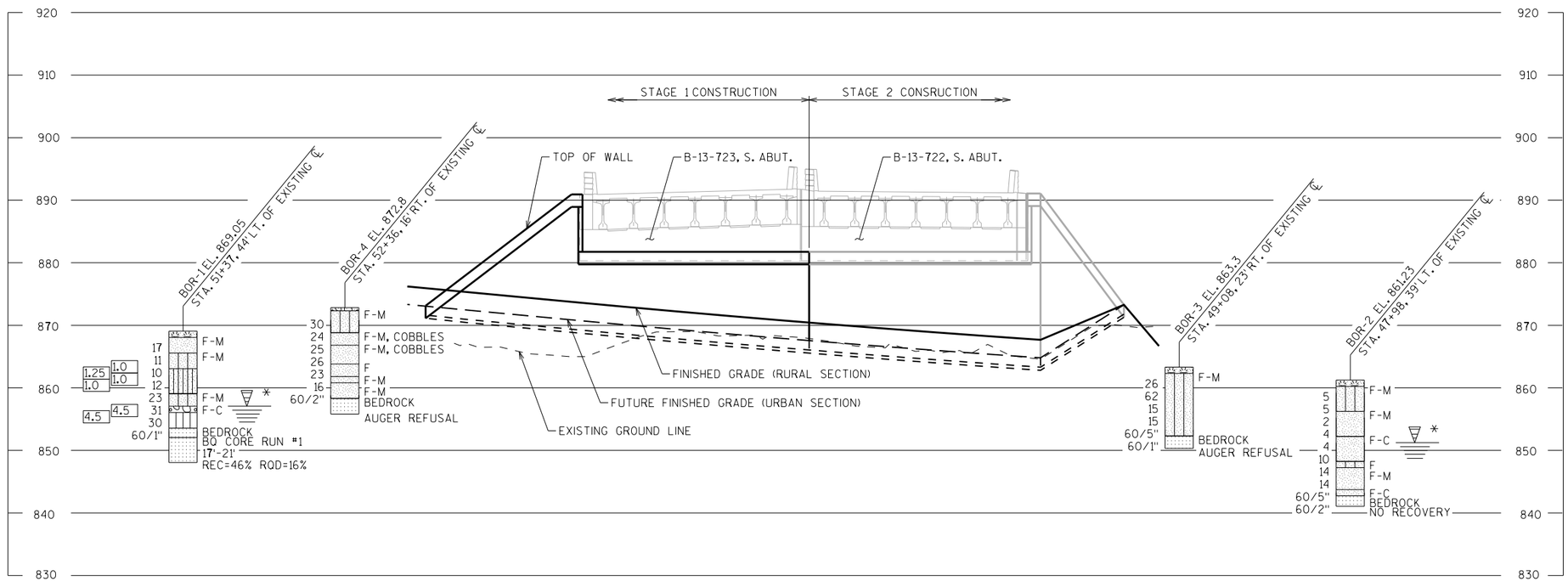
SCALE = 2.00

8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	1/04/2017	460444.988	861619.150
2	1/04/2017	460429.684	861282.172
3	1/05/2017	460370.514	861393.191
4	1/05/2017	460387.504	861720.758
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

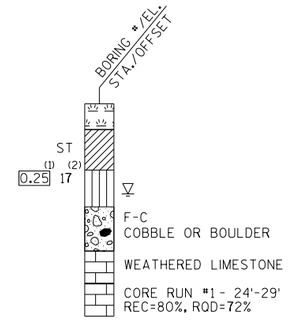
STATE PROJECT NUMBER

1007-11-76

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-13-260 STG 1

DRAWN BY ABS | PLANS CK'D. SAD

SUBSURFACE EXPLORATION

SHEET 8

385

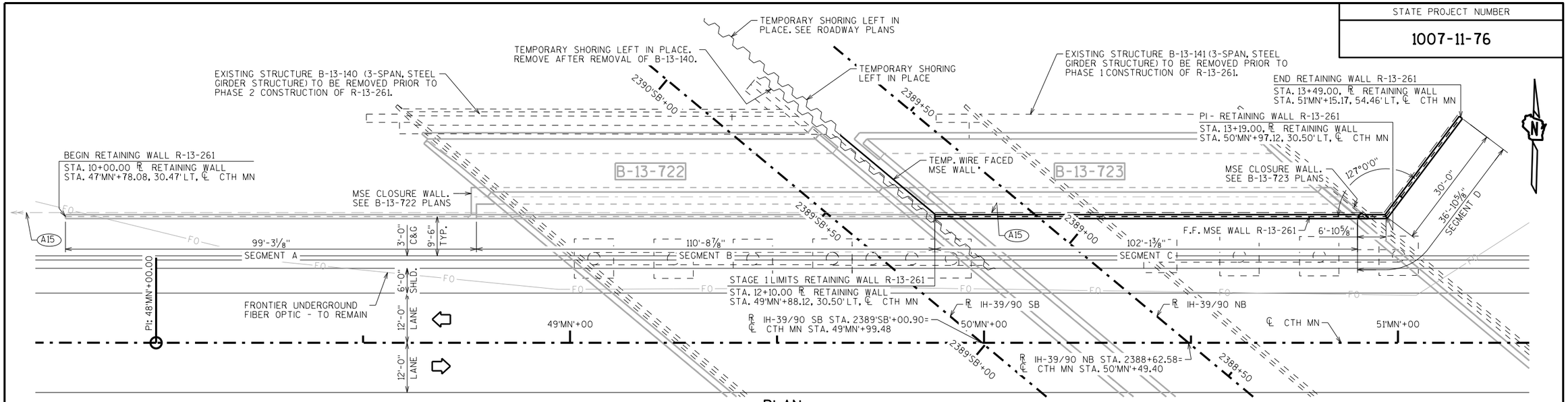
SCALE = 30.00

8

8

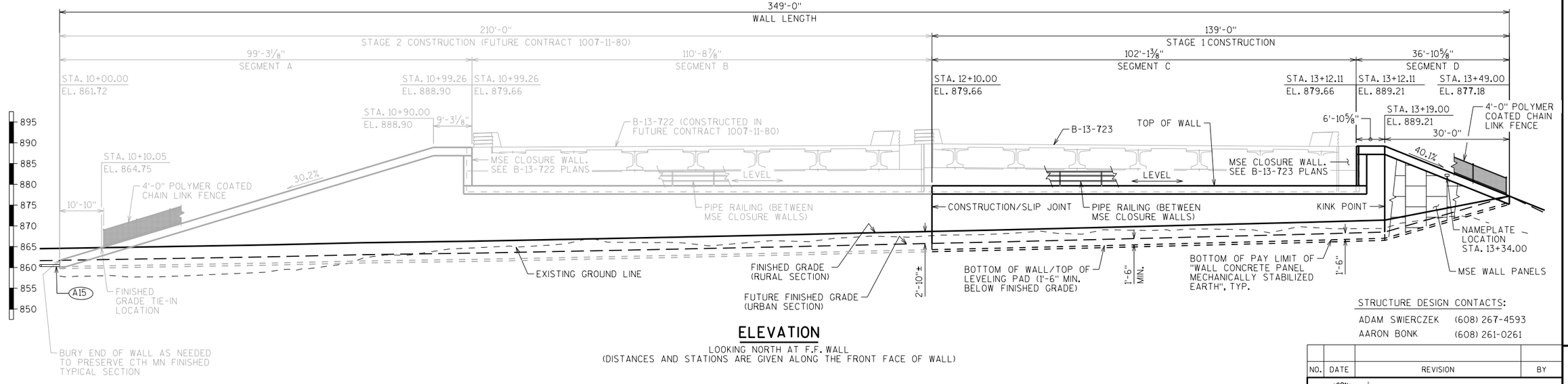
STATE PROJECT NUMBER

1007-11-76



PLAN

WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH



ELEVATION

LOOKING NORTH AT F.F. WALL
(DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL)

STRUCTURE DESIGN CONTACTS:

ADAM SWIERCZEK (608) 267-4593
AARON BONK (608) 261-0261

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE PLANS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPE BEHIND WALL AS SHOWN ON "TYPICAL WALL SECTIONS" SHEET.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

ALLOWABLE WALL SYSTEMS

WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH

MATERIAL PROPERTIES

CONCRETE MASONRY (COPING) ——— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

LIST OF DRAWINGS

1. GENERAL PLAN
2. QUANTITIES, WALL DATA & PROFILES
3. TYPICAL WALL SECTIONS
4. COPING DETAILS
5. CHAIN LINK FENCE DETAILS
6. PIPE RAILING DETAILS
7. TEMPORARY SHORING DETAILS
8. SUBSURFACE EXPLORATION

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 11/16/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-13-261 STG 1

RETAINING WALL N. OF CTH MN UNDER IH-39/90

COUNTY	TOWN
DANE	PLEASANT SPRINGS

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
ABS	SAD	ABS	SAD

GENERAL PLAN

SHEET 1 OF 8

386

I.D. 1007-10-01AH

DATE: NOV. 2017

SCALE = 12.00

STATE PROJECT NUMBER

1007-11-76

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL IN THE REINFORCING ZONE	30	0	120
FILL BEHIND THE THE REINFORCING ZONE	31	0	120
BOR-1 - STA. 51+37 - 44'LT OF ℄ CTH MN			
SAND, BROWN, FINE TO MEDIUM, SOME FINE TO COARSE GRAVEL, TRACE SILT EL. 868.1 TO EL. 865.6	30	0	120
SAND, BROWN, FINE TO MEDIUM, SILT, SOME GRAVEL EL. 865.6 TO EL. 863.1	29	0	115
SILT, BROWN, SOME FINE TO MEDIUM SAND, LITTLE GRAVEL EL. 863.1 TO EL. 859.1	0	1,000	115
SAND, BROWN, FINE TO MEDIUM, SOME SILT, LITTLE GRAVEL EL. 859.1 TO EL. 857.1	31	0	120
GRAVEL, FINE TO COARSE EL. 857.1 TO EL. 856.1	32	0	120
SILT, SOME SAND, LITTLE GRAVEL EL. 856.1 TO EL. 853.6	0	4,500	125
SANSTONE BEDROCK EL. 853.6 AND BELOW	40	0	140
BOR-2 - STA. 47+98 - 39'LT OF ℄ CTH MN			
SAND, BROWN, FINE TO MEDIUM, SOME SILT, TRACE GRAVEL EL. 861.2 TO EL. 857.2	27	0	110
SAND, BROWN, FINE TO MEDIUM, LITTLE SILT EL. 857.2 TO EL. 853.2	27	0	110
SAND, BROWN, FINE TO COURSE, TRACE FINE GRAVEL EL. 853.2 TO EL. 849.2	27	0	110
SAND, BROWN, FINE, SOME SILT EL. 849.2 TO EL. 848.2	29	0	115
SAND, BROWN, FINE TO MEDIUM, TRACE FINE TO COARSE GRAVEL, TRACE SILT EL. 848.2 TO EL. 844.7	30	0	120
SAND, RED, FINE TO COARSE, LITTLE FINE TO MEDIUM GRAVEL EL. 844.7 TO EL. 843.7	30	0	120
SANSTONE BEDROCK EL. 843.7 AND BELOW	40	0	140
BOR-3 - STA. 49+08 - 23'RT OF ℄ CTH MN			
SAND, BROWN, FINE TO MEDIUM, SOME SILT AND GRAVEL EL. 862.3 TO EL. 852.3	32	0	120
SANSTONE BEDROCK EL. 852.3 AND BELOW	40	0	140

NOTES:
1. REMOVE 1'-0" OF TOPSOIL, SILT AND CLAY BELOW THE LEVELING PAD AND REPLACE WITH GRANULAR BACKFILL
2. THE SOUTHWEST REGION SOILS ENGINEER SHOULD REVIEW THE FILL SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALL.

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS				
WALL HEIGHT (FEET)[1]	24.3	14.6[2]	13.0[2]	19.5
EXPOSED WALL HEIGHT (FEET)	22.8	13.1	11.5	18.0
MINIMUM LENGTH OF REINFORCEMENT (FEET)[3]	17.0	10.7	9.8	13.7
LENGTH OF REINFORCEMENT TO HEIGHT RATIO	0.70	0.73	0.75	0.70
BORING LOCATION USED	BOR - 2	BOR - 3	BOR - 1	BOR - 1
APPROXIMATE WALL STATION	11+04	11+25	11+99	13+15
CAPACITY TO DEMAND RATIO (CDR)[4]				
SLIDING (CDR > 1.0)	1.1	1.0	1.0	1.1
ECCENTRICITY (CDR > 1.0)	1.3	1.2	1.2	1.3
OVERALL STABILITY (CDR > 1.0)	1.02	NA[5]	NA[5]	NA[5]
BEARING RESISTANCE (CDR > 1.0)	1.2	1.9	1.9	1.3
FACTORED BEARING RESISTANCE (PSF)	8,000	8,500	7,500	7,000

NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FEET.
2. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE LOAD THAT WAS EQUAL TO THE WEIGHT OF THE SOIL BEHIND THE ABUTMENT.
3. THE LENGTH OF REINFORCEMENT IS THE MINIMUM REQUIRED LENGTH AT THAT LOCATION.
4. CDR REQUIREMENTS AND LOAD AND RESISTANCE FACTORS ARE PRESENTED IN CHAPTER 14 OF THE BRIDGE MANUAL.
5. NA NOT APPLICABLE, GLOBAL SLOPE STABILITY WAS EVALUATED AT THE CRITICAL WALL LOCATION.

GEOMETRY TABLE

		WALL STATION	℄ CTH MN STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.	FUTURE FINISHED GRADE ELEV.	EXISTING GROUND ELEV.
STAGE 2 CONSTRUCTION CONTRACT 1007-11-80	SEGMENT A	10+00.00	47+78.08 'MN'	30.47 LT	861.72	864.60	861.72	857.90
		10+10.05	47+87.66 'MN'	30.49 LT	864.75	864.75	861.88	858.00
		10+25.00	48+03.12 'MN'	30.50 LT	869.27	865.01	862.13	857.78
		10+50.00	48+28.12 'MN'	30.50 LT	876.82	865.42	862.55	858.90
		10+75.00	48+53.12 'MN'	30.50 LT	884.37	865.86	862.99	862.56
		10+90.00	48+68.12 'MN'	30.50 LT	888.90	866.14	863.26	863.86
		10+99.26	48+77.38 'MN'	30.50 LT	888.90	866.31	863.44	864.70
	SEGMENT B	10+99.26	48+77.38 'MN'	30.50 LT	879.66	866.31	863.44	864.70
		11+00.00	48+78.12 'MN'	30.50 LT	879.66	866.33	863.45	864.73
		11+25.00	49+03.12 'MN'	30.50 LT	879.66	866.81	863.94	866.44
		11+50.00	49+28.12 'MN'	30.50 LT	879.66	867.33	864.45	865.92
		11+75.00	49+53.12 'MN'	30.50 LT	879.66	867.86	864.98	866.35
		12+00.00	49+78.12 'MN'	30.50 LT	879.66	868.42	865.54	867.41
		12+10.00	49+88.12 'MN'	30.50 LT	879.66	868.65	865.77	867.65
STAGE 1 CONSTRUCTION THIS CONTRACT	SEGMENT C	12+10.00	49+88.12 'MN'	30.50 LT	879.66	868.65	865.77	867.65
		12+25.00	50+03.12 'MN'	30.50 LT	879.66	869.00	866.12	868.03
		12+50.00	50+28.12 'MN'	30.50 LT	879.66	869.61	866.73	868.81
		12+75.00	50+53.12 'MN'	30.50 LT	879.66	870.24	867.36	869.26
		13+00.00	50+78.12 'MN'	30.50 LT	879.66	870.89	868.01	869.73
		13+12.11	50+90.23 'MN'	30.50 LT	879.66	871.21	868.34	869.34
	SEGMENT D	13+12.11	50+90.23 'MN'	30.50 LT	889.21	871.21	868.34	869.34
		13+19.00	50+97.12 'MN'	30.50 LT	889.21	871.40	868.52	869.45
		13+25.00	51+00.73 'MN'	35.29 LT	886.80	872.56	870.26	870.95
		13+49.00	51+15.17 'MN'	54.46 LT	877.18	877.18	877.18	869.28

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
511.2200	TEMPORARY SHORING LEFT IN PLACE R-13-261	SF	740
513.2001	RAILING PIPE R-13-261	LF	102
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	2
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	115
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	140
SPV.0090.850	FENCE CHAIN LINK POLYMER-COATED 4-FT. R-13-261	LF	40
SPV.0165.851	TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH	SF	615
SPV.0165.852	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH	SF	1,955
	NON-BID ITEMS		
	NON-BITUMINOUS JOINT FILLER	SIZE	½", ¾", 2"
	EXPANDED POLYSTYRENE	SIZE	1"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

ALL BAR STEEL REINFORCEMENT IN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD 1/8" BELOW THE SURFACE OF CONCRETE).

ALL WALL STATIONING AND OFFSETS ARE GIVEN AT THE FRONT FACE OF WALL R-13-261.

THE EXISTING GROUND LINE IS THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

THE PLAN QUANTITY FOR THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF THE WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FUTURE FINISHED GRADE (URBAN SECTION).

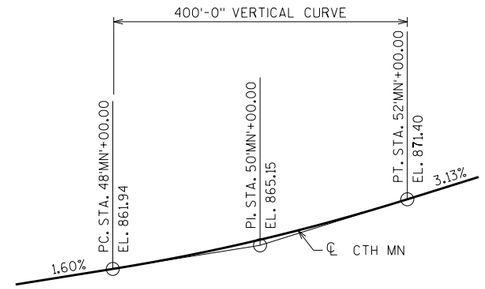
COORDINATE THE CONSTRUCTION OF RETAINING WALL R-13-261 WITH THE NORTH ABUTMENT OF BRIDGE B-13-723.

THE REMOVAL OF THE EXISTING STRUCTURE IS INCLUDED IN A LUMP SUM PAY ITEM FOR BRIDGE B-13-723.

THE DESIGN OF THE WALL IN FRONT OF THE ABUTMENT SHALL INCLUDE THE HORIZONTAL EARTH LOADS AND 240 PSF LIVE LOAD SURCHARGE ACTING ON THE BACK OF THE ABUTMENT BELOW THE BEAM SEATS.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF EXPANSION JOINTS.

THIS PLAN IS FOR R-13-261 STAGE 1 CONSTRUCTION. STAGE 2 CONSTRUCTION IS ON FUTURE CONTRACT 1007-11-80.



PROFILE GRADE LINE CTH MN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-13-261 STG 1

DRAWN BY ABS | PLANS CK'D. SAD

QUANTITIES, WALL DATA & PROFILES

SHEET 2

387

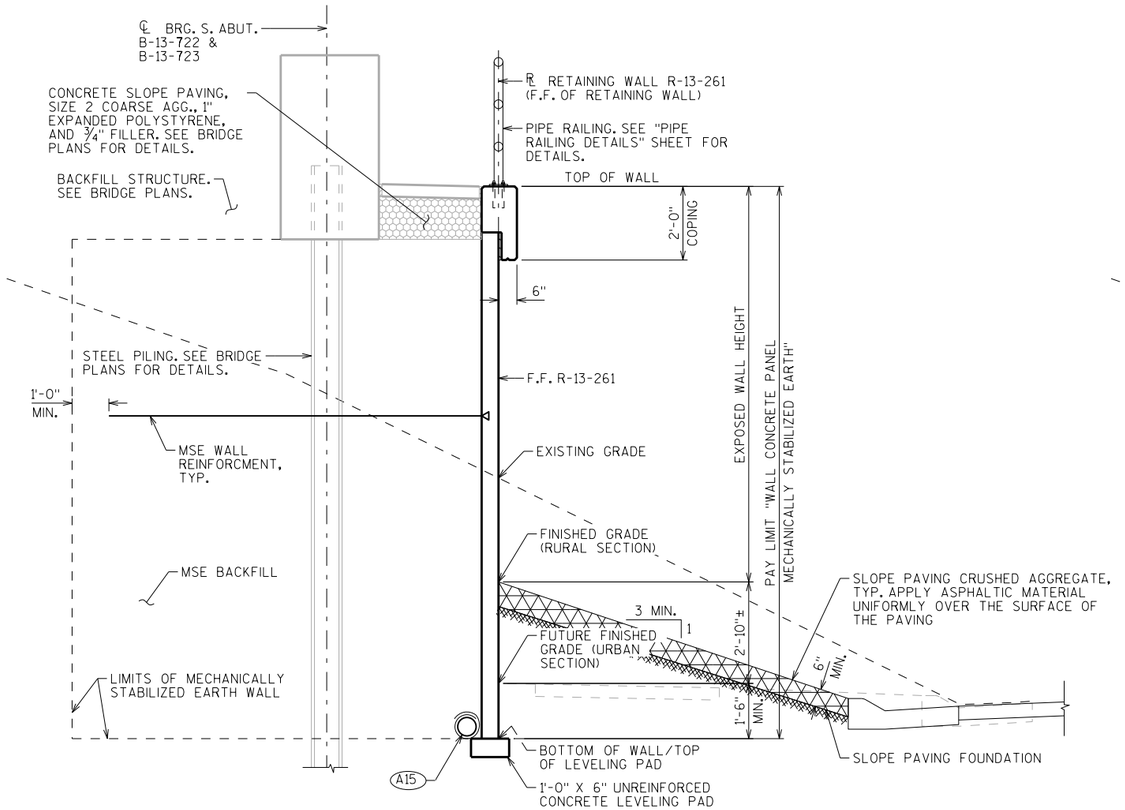
SCALE = 1.00

8

8

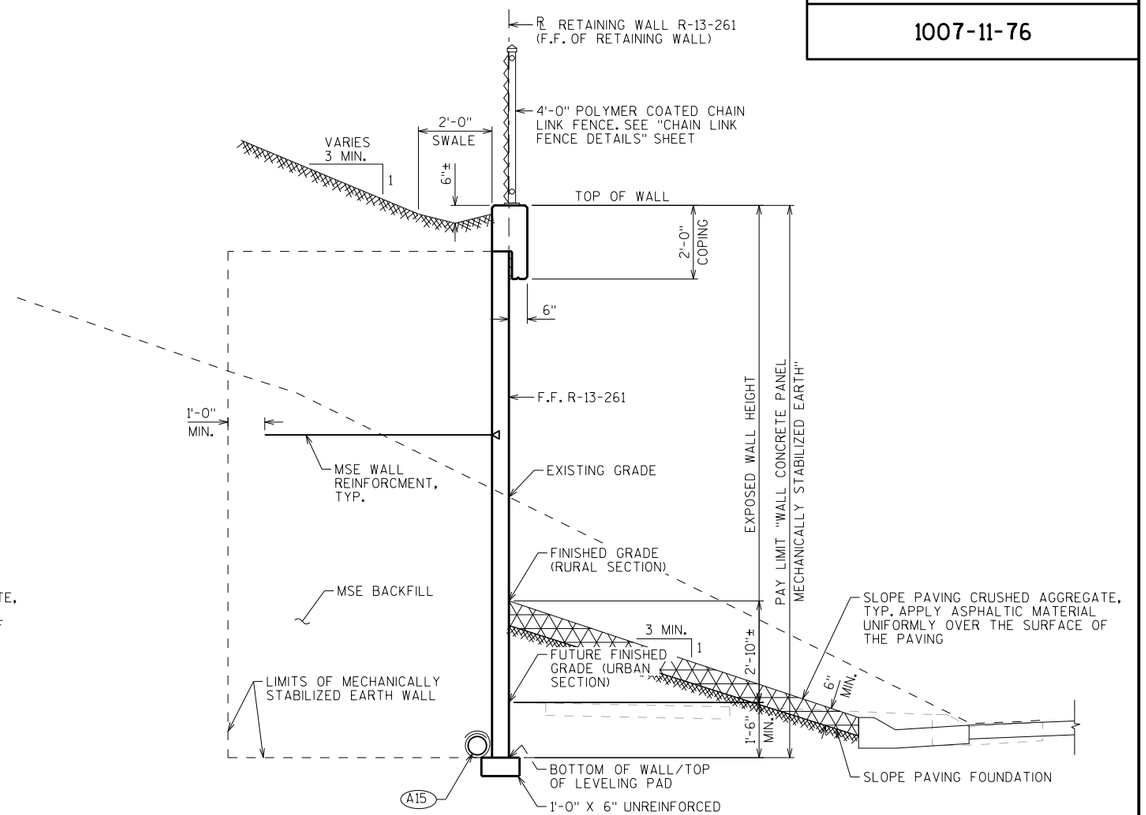
STATE PROJECT NUMBER

1007-11-76



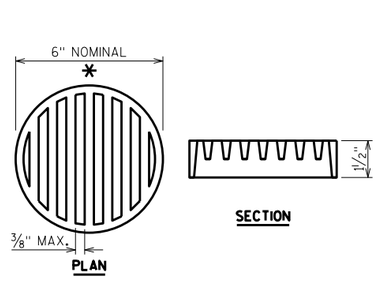
TYPICAL SECTION AT ABUTMENT

LOOKING EAST
SEGMENT B: STA. 10+99.26 TO 12+10.00
SEGMENT C: STA. 12+10.00 TO 13+12.11



TYPICAL SECTION

LOOKING EAST
SEGMENT A: STA. 10+00.00 TO 10+99.26
SEGMENT D: STA. 13+12.11 TO 13+49.00

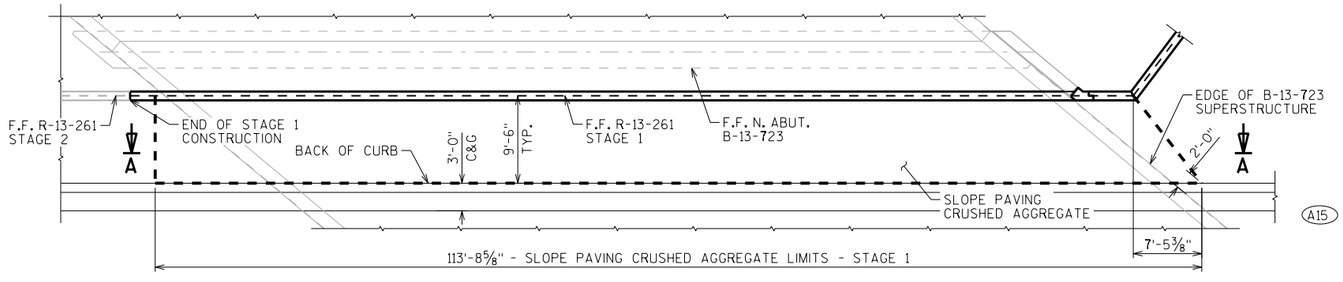


RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHEMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

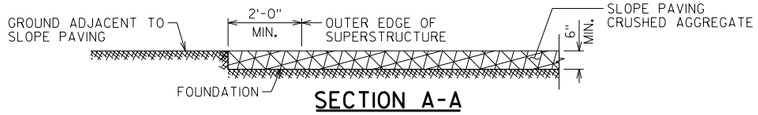


SLOPE PAVING LIMITS - PLAN

ROUND STONE WILL NOT BE ACCEPTED.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.



SECTION A-A

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-13-261 STG 1

DRAWN BY ABS | PLANS CK'D. SAD

TYPICAL WALL SECTIONS

SHEET 3

388

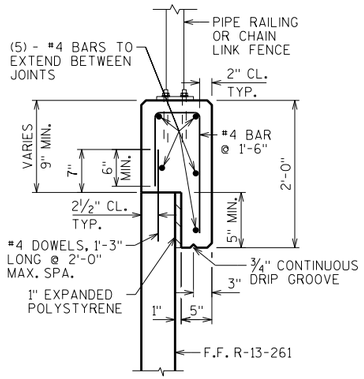
SCALE = 2.00

8

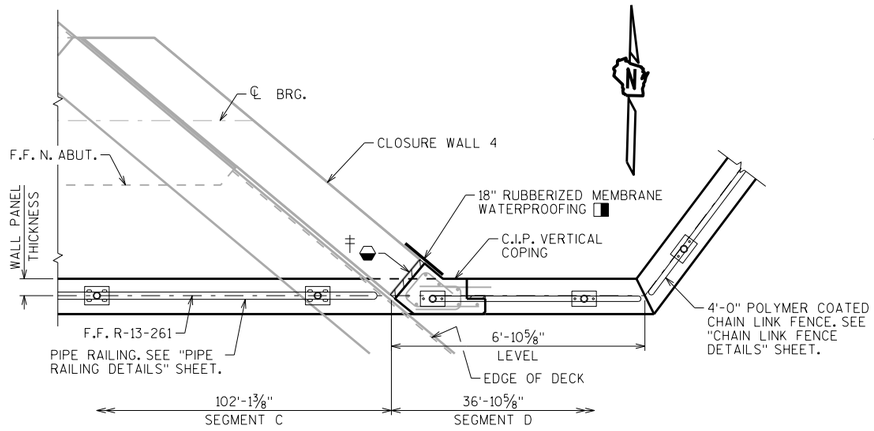
8

STATE PROJECT NUMBER

1007-11-76

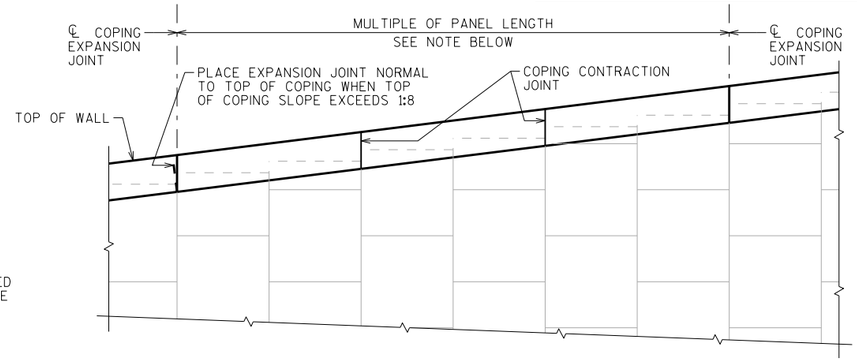


CAST-IN-PLACE CONCRETE COPING DETAIL



CAST-IN-PLACE VERTICAL CONCRETE COPING DETAIL

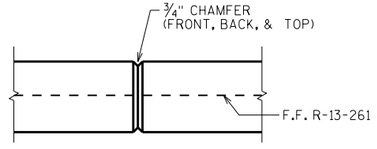
B-13-723 CLOSURE WALL 4 SHOWN



CAST-IN-PLACE COPING PARTIAL ELEVATION

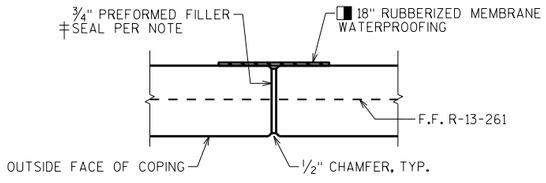
LOOKING AT F.F. WALL

NOTE:
ALL JOINTS MUST COINCIDE WITH PANEL JOINT ON FRONT FACE.



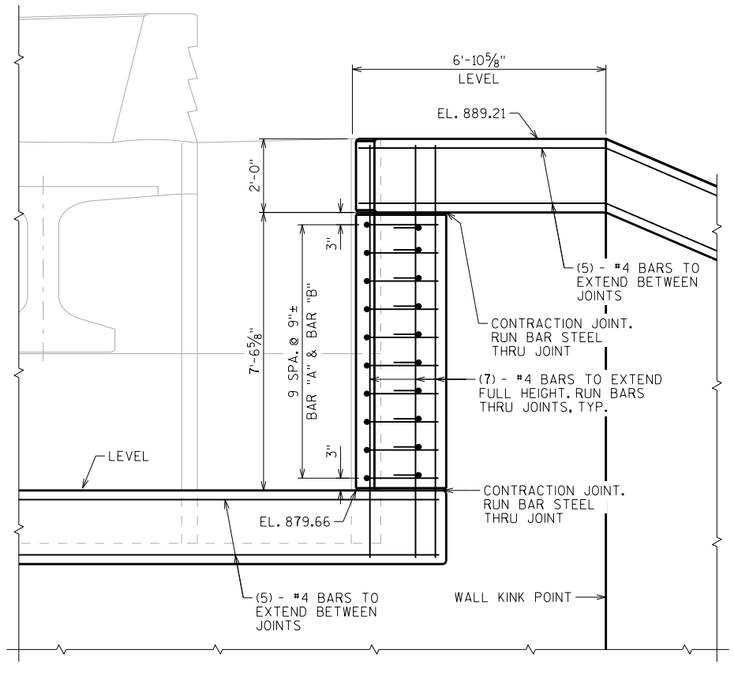
COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 12'



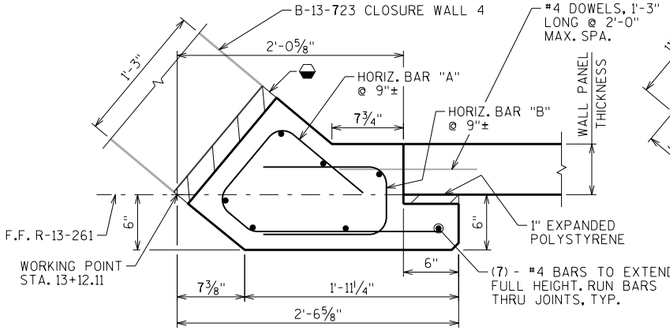
COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'



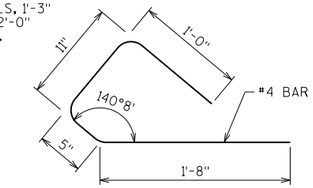
CAST-IN-PLACE VERTICAL CONCRETE COPING ELEVATION

LOOKING NORTH AT F.F. OF WALL

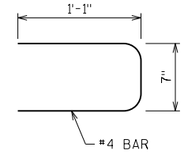


CAST-IN-PLACE VERTICAL CONCRETE COPING REINFORCEMENT

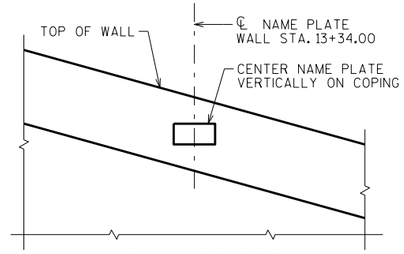
REINFORCEMENT INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP"



VERT. COPING HORIZ. BAR "A"



VERT. COPING HORIZ. BAR "B"



NAME PLATE DETAIL

LEGEND

‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLE ⅛" BELOW SURFACE OF CONC.)

◨ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS.

◒ 2" PREFORMED FILLER. SEALL PER ‡ NOTE.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-13-261 STG 1

DRAWN BY ABS | PLANS CK'D. SAD

COPING DETAILS

SHEET 4

389

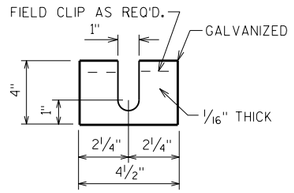
SCALE = 2.00

STATE PROJECT NUMBER

1007-11-76

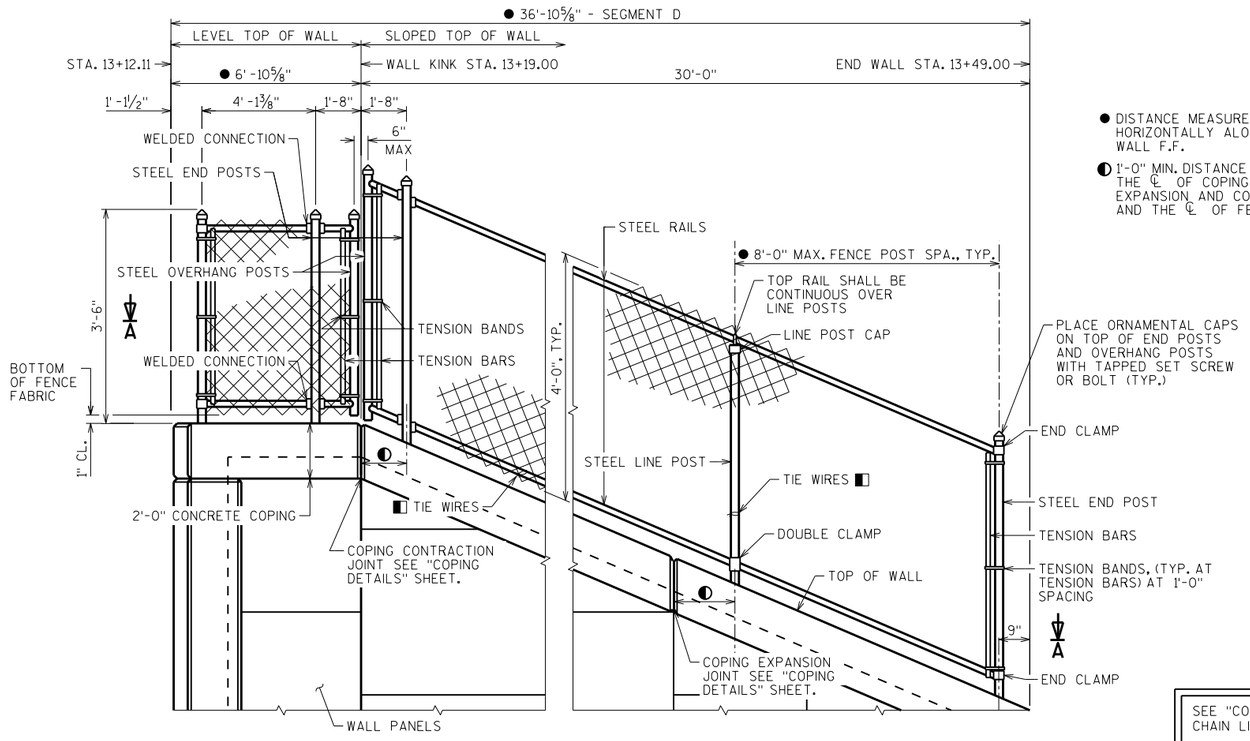
FENCE MEMBER SIZE & WEIGHT

STEEL FENCE MEMBER	OUTSIDE DIAMETER (INCHES)	WEIGHT (LB/FT)
RAILS	1.660	2.27
END POST	2.875	5.80
OVERHANG POST	2.875	5.80
LINE POST	2.375	3.65
POST SLEEVE	4.000	9.12



POST SHIM DETAILS

SHIMS REQUIRED ONLY WHEN END POSTS AND LINE POSTS ARE WELDED TO BASE PLATES. PROVIDE 4 SHIMS PER POST. USE WHERE REQUIRED FOR ALIGNMENT.



PARTIAL ELEVATION OF WALL COPING & FENCE

(LOOKING NORTH AT F.F. WALL)

● DISTANCE MEASURED HORIZONTALLY ALONG WALL F.F.

◐ 1'-0" MIN. DISTANCE REQUIRED BETWEEN THE ℄ OF COPING JOINTS (BOTH EXPANSION AND CONTRACTION JOINTS) AND THE ℄ OF FENCE POSTS

SEE "COPING DETAILS" SHEET FOR CHAIN LINK FENCE PLAN VIEW

NOTES

POSTS ARE TO BE SET VERTICAL.

ALL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH A COLORED POLYMER-COATING ON THE OUTSIDE.

FABRIC SHALL CONFORM TO ASTM F668, CLASS 2B. STEEL RAILS, POSTS AND POST SLEEVES SHALL CONFORM TO ASTM F1083, STANDARD WEIGHT PIPE (SCHEDULE 40). FITTINGS SHALL CONFORM TO ASTM F626. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL DETAILS.

THE COLOR OF POLYMER-COATING FOR THIS STRUCTURE SHALL BE FEDERAL COLOR 30140 (BROWN) IN ACCORDANCE WITH ASTM F934.

THE BID ITEM SHALL BE "FENCE CHAIN LINK POLYMER-COATED 4-FT. R-13-261", LF.

COMPLETE ANY REQUIRED WELDING OF COMPONENTS BEFORE GALVANIZING.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

BASE PLATES, ANCHOR PLATES AND SHIMS SHALL BE ASTM A709, GRADE 36.

ALL POST SPACINGS ARE MEASURED HORIZONTALLY ALONG THE C/L OF THE POST.

◪ CAULK AROUND PERIMETER OF BASE PLATE AND FILL PORTION OF SLOTTED HOLE AROUND ANCHOR BOLT IN SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

✳ ALTERNATE TO DOUBLE CLAMP: USE LINE RAIL CLAMP (BOULEVARD) OR 180° BRACE BAND, WHICH MAY BE USED WHEN THE POSTS ARE EITHER BOLTED TO THE POST SLEEVES OR DIRECTLY WELDED TO THE BASE PLATE.

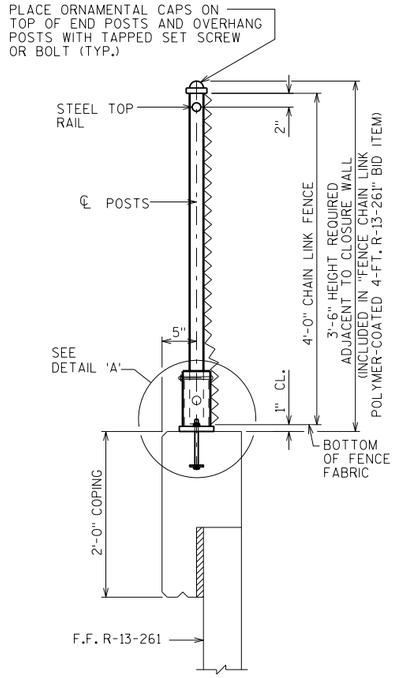
◭ 1/2" DIA. X 6 7/8" LONG GALVANIZED HEX BOLT WITH NUT & WASHER. ✿

✿ ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS 1/2-INCH. EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.

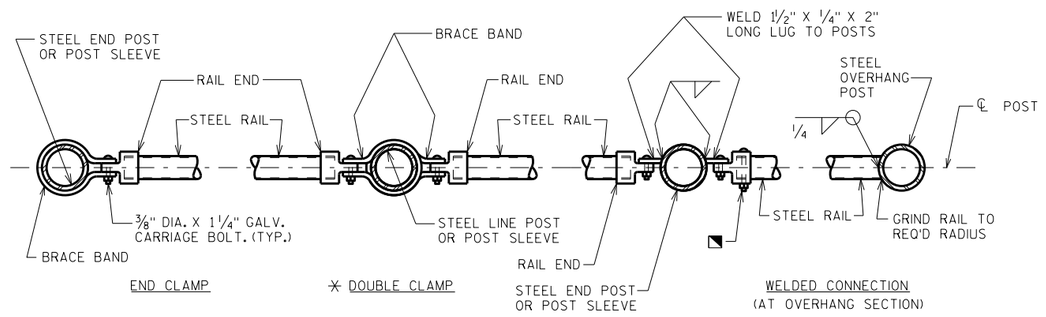
◨ ATTACH FABRIC TO RAILS, AND TO POSTS WITHOUT TENSION BANDS, WITH TIE WIRES (ROUND, 9-GAGE) SPACED AT 1'-0".

◹ BOLT RAIL TO RAIL END TO SECURE OVERHANG SECTION. ALTERNATE IS TO WELD RAIL DIRECTLY TO END POST.

MINIMUM LENGTH OF TOP RAIL BETWEEN SPLICES SHALL BE 20'-0". LOCATE SPLICES NEAR 1/4 POINT OF POST SPACING.

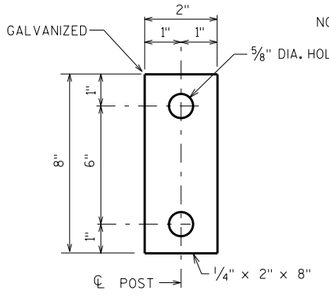


SECTION THRU FENCE



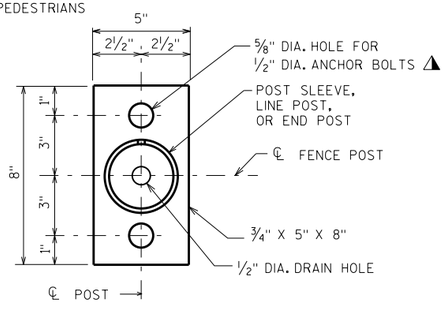
SECTION A-A

NOTE: PLACE ALL BOLT HEADS ON SIDE OF FENCE ADJACENT TO PEDESTRIANS

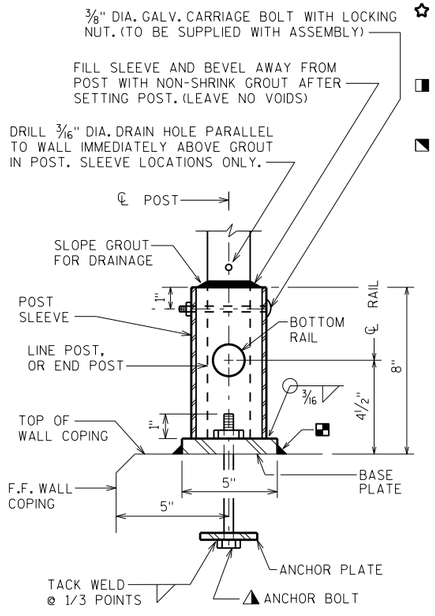


ANCHOR PLATE

✿NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



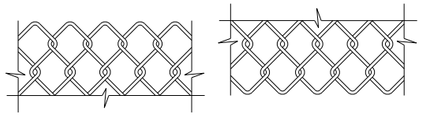
BASE PLATE



DETAIL 'A'

UNIT SHALL BE GALVANIZED AFTER FABRICATION

NOTE: IN LIEU OF USING THE POST SLEEVE, THE FENCE POST MAY BE WELDED TO THE BASE PLATE.



FENCE FABRIC

FENCE FABRIC WOVEN OF 9-GAGE WIRE IN 2" DIAMOND PATTERN MESH WITH BOTH THE TOP AND BOTTOM SELVAGES KNUCKLED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-13-261 STG 1

DRAWN BY ABS | PLANS CK'D. SAD

CHAIN LINK FENCE DETAILS

SHEET 5

390

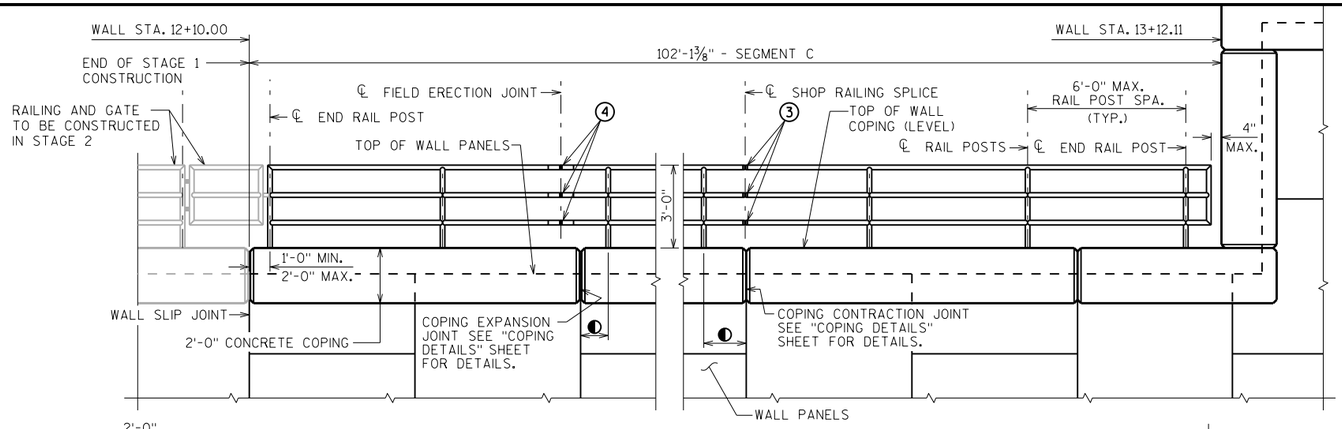
SCALE = 5.33

8

8

STATE PROJECT NUMBER

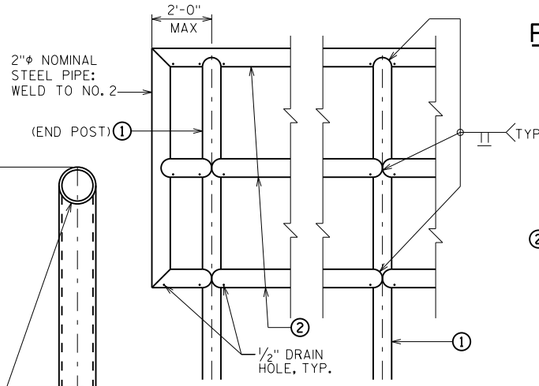
1007-11-76



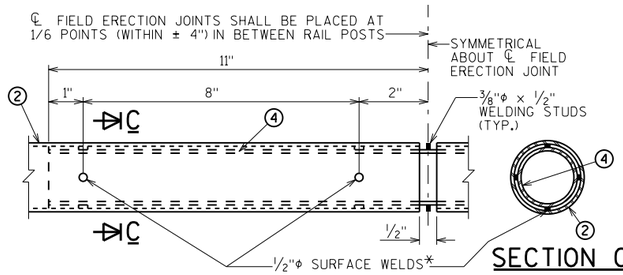
PARTIAL ELEVATION OF WALL COPING & RAILING

LOOKING NORTH AT F.F. WALL

◐ 1'-0" MIN. DISTANCE REQUIRED BETWEEN THE ℄ OF COPING JOINTS (BOTH EXPANSION AND CONTRACTION JOINTS) AND THE ℄ OF RAIL POSTS



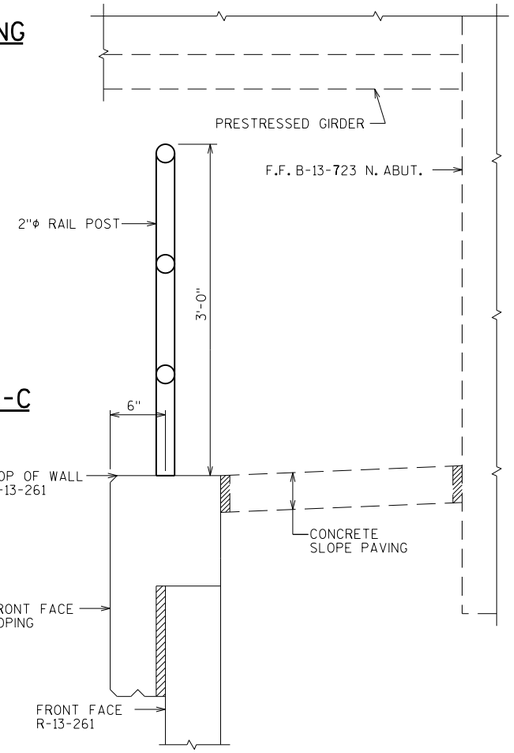
PART ELEVATION OF RAILING



FIELD ERECTION JOINT DETAIL

*MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.

SECTION C-C



SECTION THRU WALL AT ABUT.

LEGEND

① 2"φ NOMINAL STEEL PIPE FOR POSTS: CUT BOTTOM OF POST TO MATCH TOP OF CONCRETE. POSTS ARE TO BE SET VERTICAL.

② 2"φ NOMINAL STEEL PIPE FOR RAILS: WELD TO NO. 1

③ 1½"φ PIPE SLEEVE FOR NO. 2. PROVIDE "SLIDING FIT" WITH A MINIMUM OUT TO OUT DIMENSION OF 2 1/16".

④ 1½"φ PIPE SLEEVE x 1'-10" LONG FOR NO. 2. PROVIDE ½"φ SURFACE WELDS ON ALL SIDES AS SHOWN. GRIND WELDS TO FIT FREE INTO I.D. OF NO. 2. PROVIDE ⅜"φ x ½" WELDING STUDS ON TOP AND BOTTOM SURFACES AT CENTERLINE.

⑤ PLATE ¾" x 6" x 8", WITH ¾" DIA. X 1½" SLOTTED HOLES FOR ANCHOR BOLTS NO. 6. WELD TO NO. 1. OR PIPE SLEEVE AS SHOWN.

⑥ CONCRETE ADHESIVE ANCHORS ⅝"-INCH. EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATION

NOTES

BID ITEM SHALL BE "RAILING PIPE R-13-261", WHICH INCLUDES ALL ITEMS SHOWN.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

FIELD ERECTION JOINTS MUST BE PLACED IN BETWEEN RAIL POSTS WHERE THERE IS ALSO A CONCRETE COPING EXPANSION JOINT IN BETWEEN RAIL POSTS.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT. THE RAILING SHALL BE PAINTED FEDERAL COLOR NO. 30140 (BROWN).

DRILL DRAIN HOLES PRIOR TO GALVANIZING.

ALL MATERIALS USED IN FABRICATION SHALL BE MADE FROM MATERIALS CONFORMING TO A.S.T.M. DESIGNATION A709 GRADE 36 UNLESS NOTED OTHERWISE.

STEEL POST SHIMS MAY BE USED UNDER POSTS WHERE REQ'D. FOR ALIGNMENT.

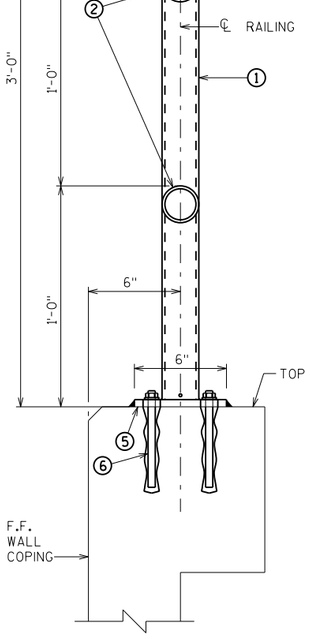
ALL RAILS, POSTS AND SLEEVES ARE STANDARD WEIGHT PIPE, SCHEDULE 40.

PLACE ALL NUTS ON OUTSIDE OF POSTS.

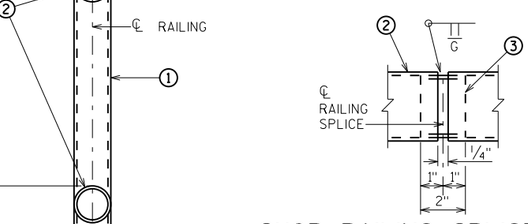
ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING.

CAULK AROUND PERIMETER OF BASE PLATES AND FILL PORTION OF SLOTTED HOLES AROUND ANCHOR BOLTS IN POST SHIMS AND BASE PLATES WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

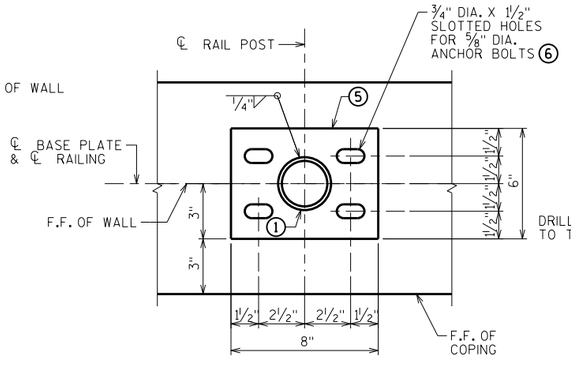


SECTION THRU RAILING

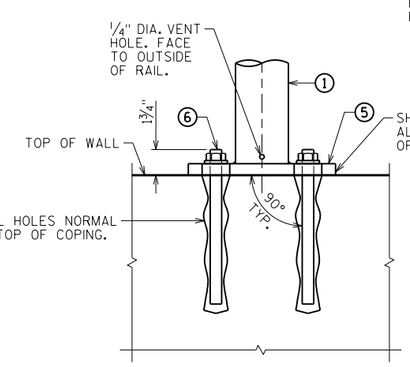


SHOP RAILING SPLICE DETAIL

(LOCATION MUST BE SHOWN ON THE SHOP DRAWINGS)

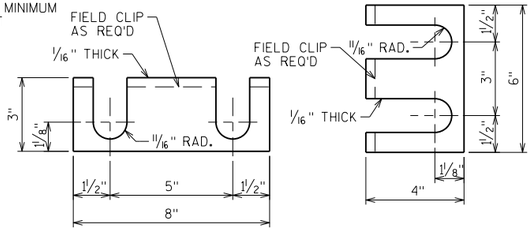


RAIL POST BASE PLATE



ANCHOR BOLTS FOR RAIL POST

BETWEEN EXPANSION JOINTS



RAIL POST SHIM DETAILS

2 SETS PER POST

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-13-261 STG 1

DRAWN BY ABS | PLANS CK'D. SAD

PIPE RAILING DETAILS

SHEET 6

391

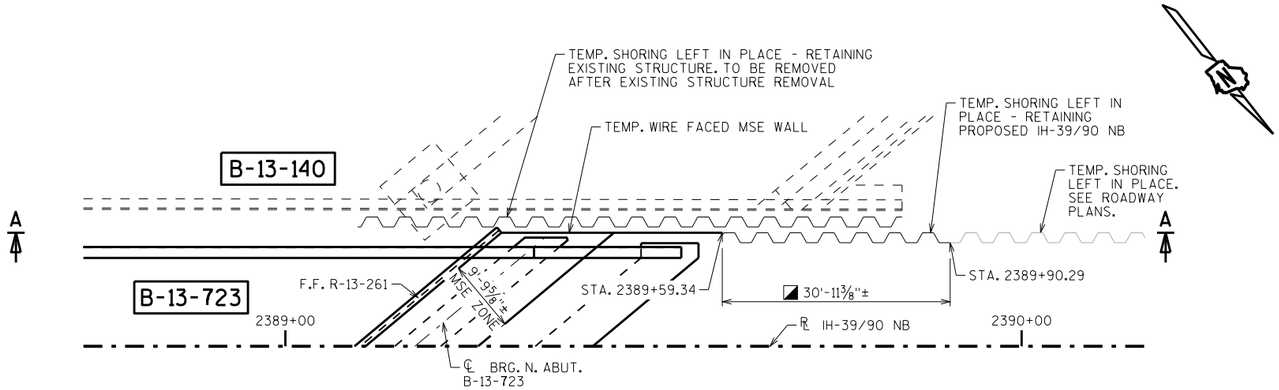
SCALE = 5.33

8

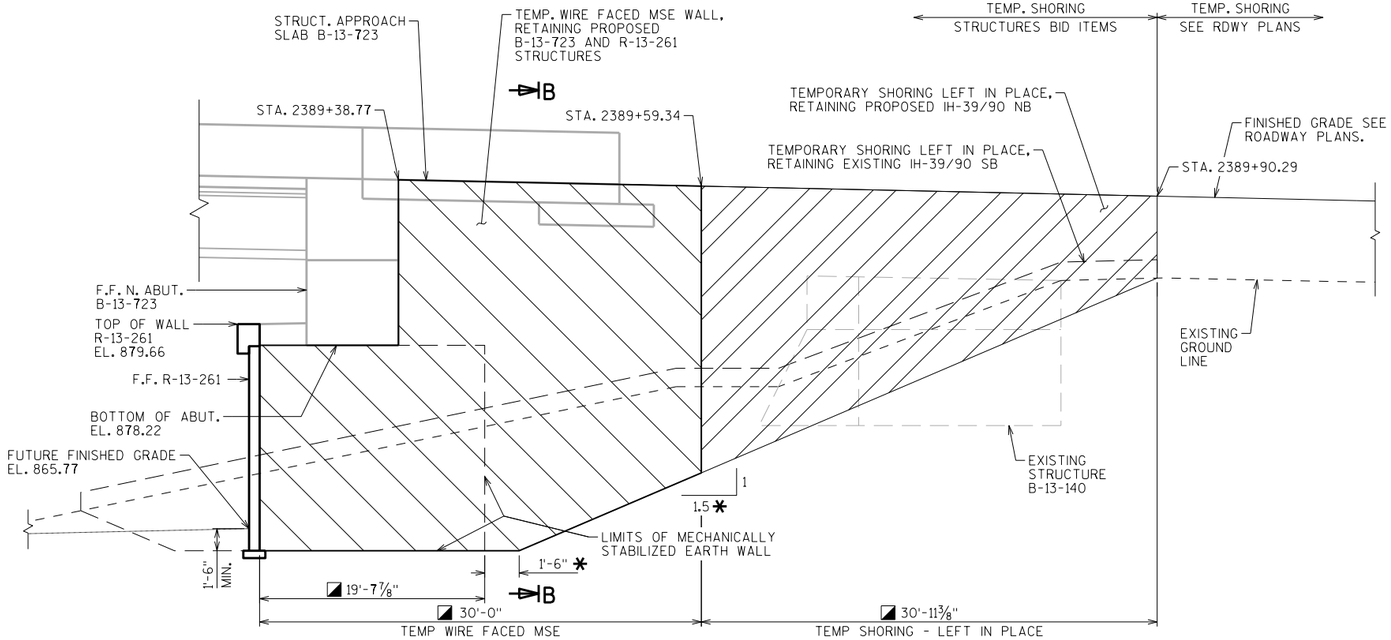
8

STATE PROJECT NUMBER

1007-11-76

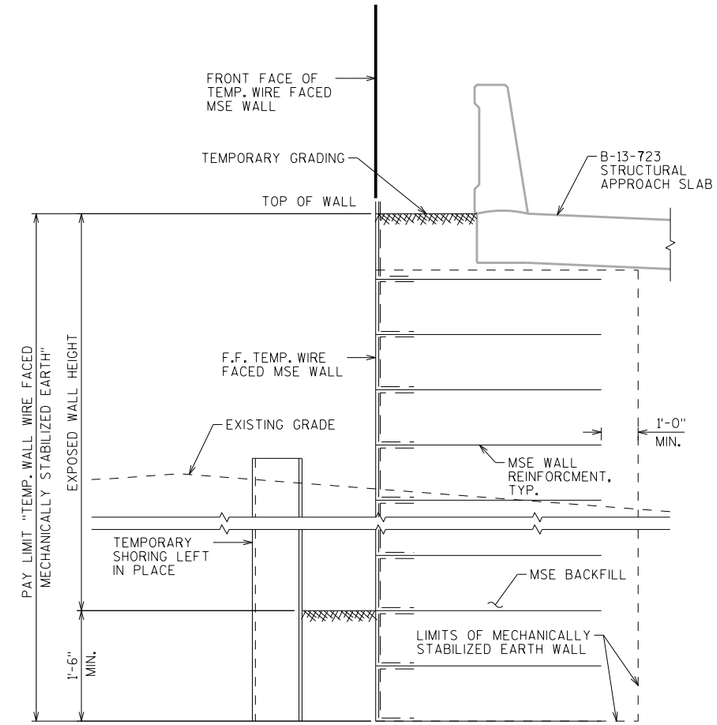


PLAN - TEMPORARY SHORING



SECTION A-A

LOOKING SOUTHWEST



SECTION B-B

LOOKING NORTH

LEGEND

◪ DIMENSION IS BASED UPON THEORETICAL REINFORCEMENT STRAP LENGTHS OF 0.7H. ACTUAL DIMENSION WILL BE BASED ON CONTRACTOR DESIGN.

* MEASURED PERPENDICULAR TO B.F. MSE WALL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-13-261 STG 1

DRAWN BY ABS | PLANS CK'D. SAD

TEMPORARY SHORING DETAILS

SHEET 7

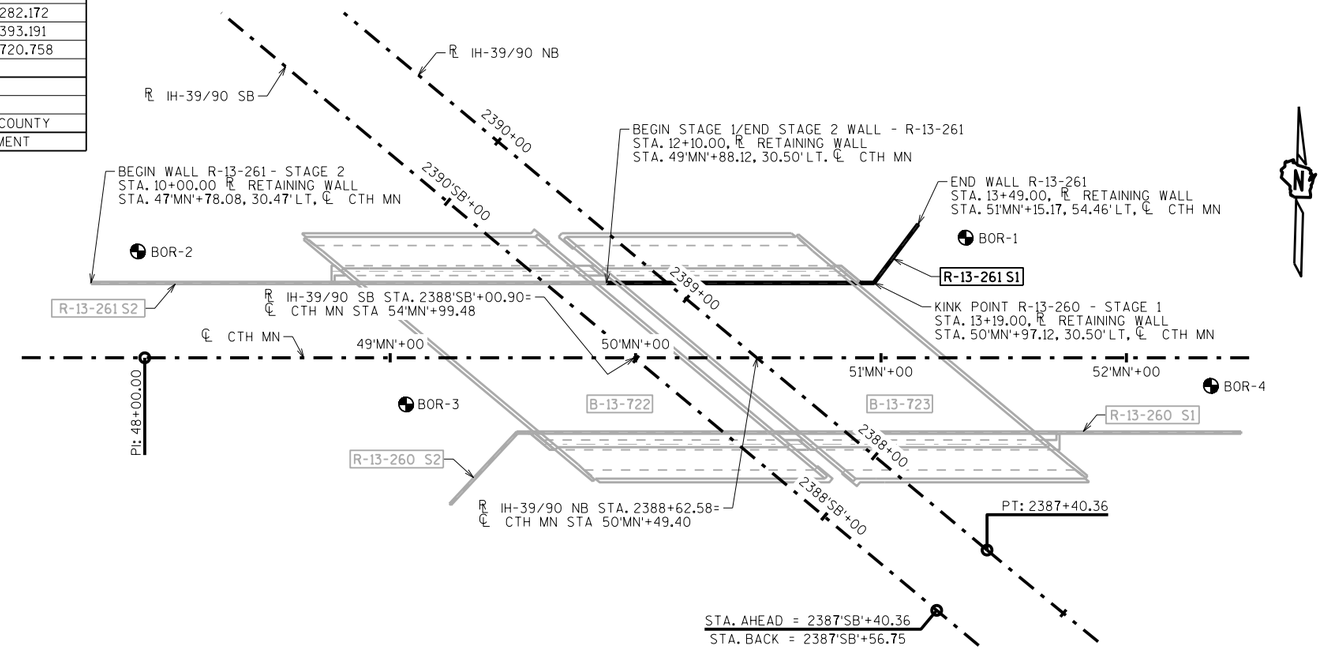
392

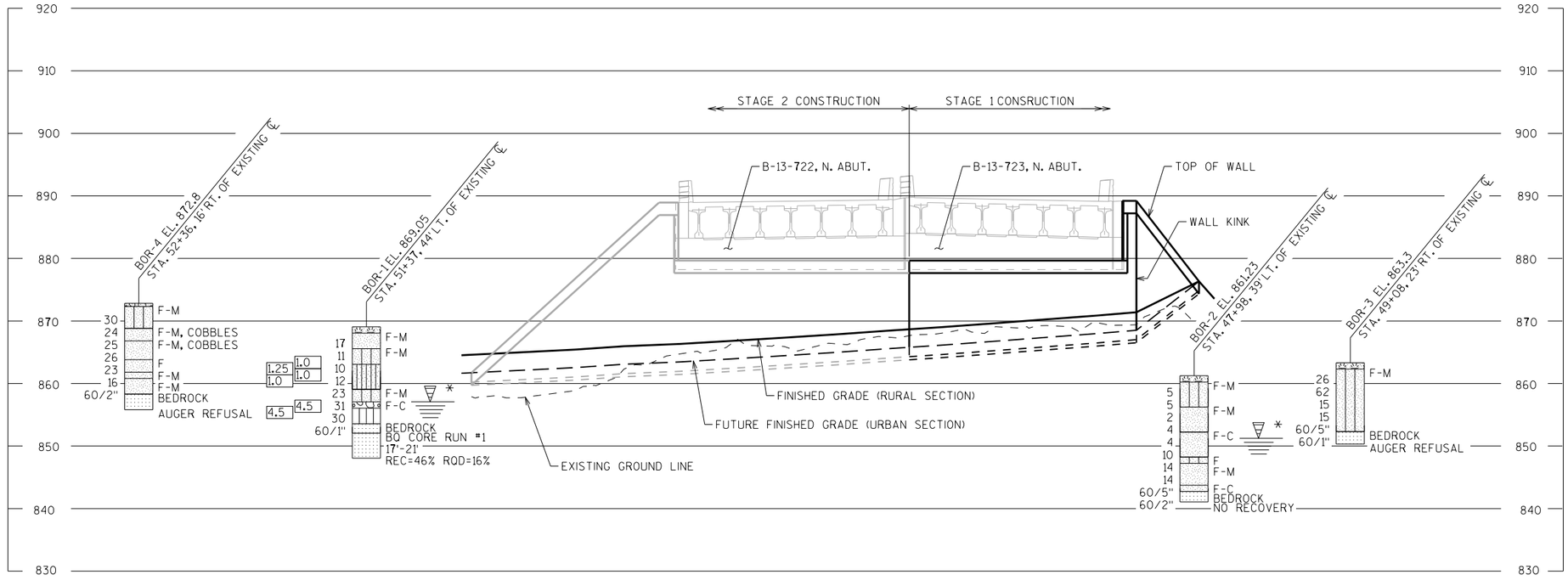
SCALE = 2.00

8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	1/04/2017	460444.988	861619.150
2	1/04/2017	460429.684	861282.172
3	1/05/2017	460370.514	861393.191
4	1/05/2017	460387.504	861720.758
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

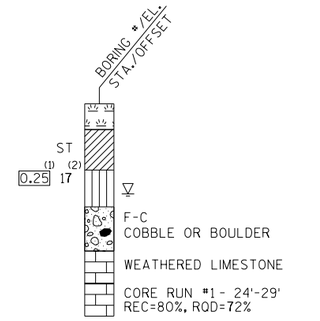
STATE PROJECT NUMBER

1007-11-76

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-13-261 STG 1

DRAWN BY ABS | PLANS CK'D. SAD

SUBSURFACE EXPLORATION

SHEET 8

393

SCALE = 30.00

8

8

PROJECT ID 1007-11-76
STAGE 1 - NB IH 39

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					Mass Ordinate
			Cut	Fill	EBS (In Cross Sections)	Excavation Marsh (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	
2195+00 AH	219500	0.00	157.37	80.06	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
2196+00	219600	100.00	133.34	171.00	0.00	0.00	0.00	538	465	0	0	0	538	465	0	0	0	73
2197+00	219700	100.00	109.81	258.25	0.00	35.52	0.00	450	795	0	66	0	989	1260	0	66	0	-271
2198+00	219800	100.00	83.01	367.61	0.00	18.48	0.00	357	1159	0	100	0	1346	2419	0	166	0	-1073
2199+00	219900	100.00	48.49	529.95	0.00	19.22	0.00	244	1662	0	70	0	1589	4081	0	236	0	-2492
2200+00	220000	100.00	9.18	576.53	0.00	44.51	0.00	107	2049	0	118	0	1696	6130	0	354	0	-4434
2200+25	220025	25.00	1.30	586.75	0.00	62.26	0.00	5	539	0	49	0	1701	6669	0	403	0	-4968
2201+00	220100	75.00	0.00	695.62	0.00	42.44	0.00	2	1781	0	145	0	1703	8450	0	548	0	-6747
2202+00	220200	100.00	0.00	792.83	0.00	18.94	0.00	0	2756	0	114	0	1703	11206	0	662	0	-9503
2203+00	220300	100.00	0.00	820.74	0.00	28.27	0.00	0	2988	0	87	0	1703	14194	0	750	0	-12491
2204+00	220400	100.00	0.00	766.93	0.00	0.00	0.00	0	2940	0	52	0	1703	17134	0	802	0	-15432
2205+00	220500	100.00	0.00	799.18	0.00	0.00	0.00	0	2900	0	0	0	1703	20034	0	802	0	-18332
2206+00	220600	100.00	0.00	722.26	0.00	0.00	0.00	0	2817	0	0	0	1703	22852	0	802	0	-21149
2207+00	220700	100.00	0.00	563.27	0.00	0.00	0.00	0	2381	0	0	0	1703	25233	0	802	0	-23530
2208+00	220800	100.00	0.00	610.93	0.00	0.00	0.00	0	2174	0	0	0	1703	27407	0	802	0	-25704
2209+00	220900	100.00	20.86	870.41	0.00	0.00	0.00	39	2743	0	0	0	1741	30150	0	802	0	-28409
2210+00	221000	100.00	114.26	950.15	0.00	0.00	0.00	250	3371	0	0	0	1992	33522	0	802	0	-31530
2211+00	221100	100.00	67.09	1286.79	0.00	0.00	0.00	336	4142	0	0	0	2327	37664	0	802	0	-35337
2212+00	221200	100.00	127.90	1700.78	0.00	0.00	0.00	361	5533	0	0	0	2688	43197	0	802	0	-40508
2213+00	221300	100.00	169.56	2015.78	0.00	0.00	0.00	551	6883	0	0	0	3239	50079	0	802	0	-46840
2213+15	221315	15.00	176.92	2031.61	0.00	0.00	0.00	96	1124	0	0	0	3336	51203	0	802	0	-47868
2214+00	221400	85.00	208.95	2027.68	0.00	0.00	0.00	607	6390	0		0	3943	57593	0	802	0	-53650
2215+00	221500	100.00	264.06	2411.43	0.00	0.00	0.00	876	8221	0	0	0	4819	65814	0	802	0	-60995
2216+00	221600	100.00	399.13	2531.62	0.00	0.00	0.00	1228	9154	0	0	0	6047	74967	0	802	0	-68920
2217+00	221700	100.00	433.03	1752.32	0.00	0.00	0.00	1541	7933	0	0	0	7588	82901	0	802	0	-75313
2218+00	221800	100.00	507.61	146.09	0.00	0.00	0.00	1742	3516	0	0	0	9330	86416	0	802	0	-77086
2219+00	221900	100.00	781.53	0.00	0.00	0.00	0.00	2387	271	0	0	0	11717	86687	0	802	0	-74969
2220+00	222000	100.00	1090.99	0.00	0.00	0.00	17.90	3468	0	0	0	33	15185	86687	0	802	33	-71502
2221+00	222100	100.00	878.19	0.00	0.00	0.00	379.89	3647	0	0	0	737	18832	86687	0	802	770	-67855
2222+00	222200	100.00	690.21	0.00	0.00	0.00	681.84	2904	0	0	0	1966	21736	86687	0	802	2736	-64951
2223+00	222300	100.00	693.46	0.00	0.00	0.00	776.84	2562	0	0	0	2701	24298	86687	0	802	5437	-62388
2224+00	222400	100.00	857.60	0.00	0.00	0.00	742.95	2872	0	0	0	2814	27171	86687	0	802	8252	-59516
2225+00	222500	100.00	976.16	0.00	0.00	0.00	847.41	3396	0	0	0	2945	30567	86687	0	802	11197	-56120
2226+00	222600	100.00	1090.59	0.00	0.00	0.00	1319.78	3827	0	0	0	4013	34394	86687	0	802	15210	-52293
2226+10	222610	10.00	1078.03	0.00	0.00	0.00	1398.61	402	0	0	0	503	34795	86687	0	802	15713	-51891
2227+00	222700	90.00	945.33	0.00	0.00	0.00	1168.13	3372	0	0	0	4278	38168	86687	0	802	19991	-48519
2228+00	222800	100.00	527.27	0.00	0.00	0.00	885.05	2727	0	0	0	3802	40895	86687	0	802	23794	-45792
2229+00	222900	100.00	763.03	0.00	0.00	0.00	856.74	2389	0	0	0	3226	43284	86687	0	802	27019	-43403
2230+00	223000	100.00	892.17	0.00	0.00	0.00	616.49	3065	0	0	0	2728	46349	86687	0	802	29747	-40337
2231+00	223100	100.00	1069.68	0.00	0.00	0.00	360.34	3633	0	0	0	1809	49982	86687	0	802	31556	-36704
2232+00	223200	100.00	1329.21	0.00	0.00	0.00	111.29	4442	0	0	0	873	54425	86687	0	802	32430	-32262
2233+00	223300	100.00	1052.63	39.32	0.00	0.00	31.14	4411	73	0	0	264	58836	86760	0	802	32693	-27924
2233+53	223353	53.00	992.15	303.56	0.00	0.00	12.27	2007	337	0	0	43	60843	87096	0	802	32736	-26254
2234+00	223400	47.00	958.26	125.63	0.00	0.00	0.85	1698	374	0	0	11	62540	87470	0	802	32747	-24930
2235+00	223500	100.00	908.71	0.00	0.00	0.00	0.00	3457	233	0	0	2	65997	87702	0	802	32749	-21705
2236+00	223600	100.00	869.59	5.93	0.00	0.00	0.00	3293	11	0	0	0	69291	87713	0	802	32749	-18423
2237+00	223700	100.00	861.15	8.37	0.00	0.00	0.00	3205	26	0	0	0	72496	87740	0	802	32749	-15244
2238+00	223800	100.00	831.09	0.52	0.00	0.00	0.00	3134	16	0	0	0	75629	87756	0	802	32749	-12127

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STAGE 1 - NB IH 39

STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					Mass Ordinate
			Cut	Fill	EBS (In Cross Sections)	Excavation Marsh (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	
2239+00	223900	100.00	680.54	25.00	12.53	0.00	84.25	2799	47	23	0	156	78429	87803	23	802	32905	-9375
2239+58	223958	58.00	666.31	76.02	0.00	0.00	63.28	1447	109	13	0	158	79875	87912	37	802	33063	-8037
2240+00	224000	42.00	846.15	38.75	0.00	0.00	56.32	1176	89	0	0	93	81052	88001	37	802	33157	-6950
2241+00	224100	100.00	792.21	15.87	0.00	0.00	64.17	3034	101	0	0	223	84086	88102	37	802	33380	-4017
2242+00	224200	100.00	853.29	21.84	0.00	0.00	62.09	3047	70	0	0	234	87133	88172	37	802	33613	-1039
2243+00	224300	100.00	890.51	29.49	0.00	0.00	66.04	3229	95	0	0	237	90362	88267	37	802	33851	2095
2244+00	224400	100.00	968.36	0.00	0.00	0.00	134.87	3442	55	0	0	372	93805	88322	37	802	34223	5483
2245+00	224500	100.00	1220.42	5.08	0.00	0.00	70.36	4053	9	0	0	380	97858	88331	37	802	34603	9527
2246+00	224600	100.00	1127.30	0.00	0.00	0.00	171.37	4348	9	0	0	448	102206	88341	37	802	35051	13865
2247+00	224700	100.00	1184.18	0.00	0.00	0.00	52.29	4281	0	0	0	414	106486	88341	37	802	35465	18145
2248+00	224800	100.00	1167.81	0.00	0.00	0.00	11.22	4356	0	0	0	118	110842	88341	37	802	35582	22501
2249+00	224900	100.00	1212.88	0.00	0.00	0.00	2.22	4409	0	0	0	25	115250	88341	37	802	35607	26910
2250+00	225000	100.00	1183.22	0.00	0.00	0.00	3.14	4437	0	0	0	10	119687	88341	37	802	35617	31347
2251+00	225100	100.00	1086.23	0.00	0.00	0.00	80.84	4203	0	0	0	156	123890	88341	37	802	35773	35549
2252+00	225200	100.00	1072.12	0.00	0.00	0.00	33.37	3997	0	0	0	212	127887	88341	37	802	35984	39546
2253+00	225300	100.00	1033.78	0.00	0.00	0.00	46.20	3900	0	0	0	147	131787	88341	37	802	36131	43446
2254+00	225400	100.00	1238.37	0.00	0.00	0.00	49.36	4208	0	0	0	177	135995	88341	37	802	36308	47654
2255+00	225500	100.00	1071.74	0.00	0.00	0.00	330.24	4278	0	0	0	703	140273	88341	37	802	37011	51932
2256+00	225600	100.00	737.00	0.00	0.00	0.00	698.81	3350	0	0	0	1906	143622	88341	37	802	38917	55281
2257+00	225700	100.00	1288.58	0.00	0.00	0.00	11.75	3751	0	0	0	1316	147373	88341	37	802	40233	59032
2258+00	225800	100.00	950.63	0.00	0.00	0.00	0.00	4147	0	0	0	22	151520	88341	37	802	40255	63179
2259+00	225900	100.00	581.04	2.42	0.00	0.00	0.00	2836	4	0	0	0	154356	88345	37	802	40255	66011
2260+00	226000	100.00	439.91	34.59	0.00	0.00	0.00	1891	69	0	0	0	156247	88414	37	802	40255	67833
2261+00	226100	100.00	357.72	56.08	0.00	0.00	0.00	1477	168	0	0	0	157724	88582	37	802	40255	69142
2261+62	226162	62.00	427.25	13.82	0.00	0.00	0.00	901	80	0	0	0	158625	88662	37	802	40255	69963
2262+00	226200	38.00	411.38	0.63	0.00	0.00	0.00	590	10	0	0	0	159215	88672	37	802	40255	70543
2263+00	226300	100.00	378.11	0.00	0.00	0.00	0.00	1462	1	0	0	0	160677	88673	37	802	40255	72004
2264+00	226400	100.00	389.15	1.61	0.00	0.00	0.00	1421	3	0	0	0	162098	88676	37	802	40255	73422
2265+00	226500	100.00	367.72	21.83	0.00	0.00	0.00	1402	43	0	0	0	163500	88720	37	802	40255	74780
2266+00 BK	226600	100.00	257.61	115.63	0.00	0.00	0.00	1158	255	0	0	0	164658	88974	37	802	40255	75684

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STATION	Real Station	Distance	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)					Mass Ordinate
			Cut	Fill	EBS (In Cross Sections)	Excavation Marsh (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	Cut	Fill	EBS	Excavation Marsh	Excavation Rock	
2323+00 AH	232300	0	183.56	48.26	0.00	0.00	0.00	0	0	0	0	0	164658	88974	37	802	40255	75684
2324+00	232400	100	184.95	44.19	0.00	0.00	0.00	682	171	0	0	0	165340	89145	37	802	40255	76195
2325+00	232500	100	187.86	41.82	0.00	0.00	0.00	690	159	0	0	0	166031	89305	37	802	40255	76726
2326+00	232600	100	193.90	32.30	0.00	0.00	0.00	707	137	0	0	0	166738	89442	37	802	40255	77296
2327+00	232700	100	198.53	24.99	0.00	0.00	0.00	727	106	0	0	0	167464	89548	37	802	40255	77916
2328+00	232800	100	200.33	40.75	0.00	0.00	0.00	739	122	0	0	0	168203	89670	37	802	40255	78533
2329+00	232900	100	218.60	42.89	0.00	0.00	0.00	776	155	0	0	0	168979	89825	37	802	40255	79154
2329+90	232990	90	221.30	190.50	0.00	0.00	0.00	736	391	0	0	0	169715	90215	37	802	40255	79500
2330+00	233000	10	208.70	178.49	0.00	0.00	0.00	76	66	0	0	0	169792	90281	37	802	40255	79511
2331+00	233100	100	193.15	71.52	0.00	0.00	0.00	744	463	0	0	0	170536	90744	37	802	40255	79792
2332+00	233200	100	165.66	91.20	0.00	0.00	0.00	664	301	0	0	0	171200	91045	37	802	40255	80155
2333+00	233300	100	161.15	97.96	0.00	0.00	0.00	605	350	0	0	0	171806	91396	37	802	40255	80410
2334+00	233400	100	174.01	114.40	0.00	0.00	0.00	621	393	0	0	0	172426	91789	37	802	40255	80637
2335+00	233500	100	145.61	118.91	0.00	0.00	0.00	592	432	0	0	0	173018	92221	37	802	40255	80797
2336+00	233600	100	136.14	108.86	0.00	0.00	0.00	522	422	0	0	0	173540	92643	37	802	40255	80897
2337+00	233700	100	130.59	92.82	0.00	0.00	0.00	494	373	0	0	0	174034	93016	37	802	40255	81018
2338+00	233800	100	129.78	91.01	0.00	0.00	0.00	482	340	0	0	0	174516	93357	37	802	40255	81159
2339+00	233900	100	126.73	99.96	0.00	0.00	0.00	475	354	0	0	0	174991	93710	37	802	40255	81281
2340+00	234000	100	130.83	95.35	0.00	0.00	0.00	477	362	0	0	0	175468	94072	37	802	40255	81396
2341+00	234100	100	152.59	66.26	0.00	0.00	0.00	525	299	0	0	0	175993	94371	37	802	40255	81622
2342+00	234200	100	205.14	38.89	0.00	0.00	0.00	662	195	0	0	0	176655	94566	37	802	40255	82089
2343+00	234300	100	270.76	19.61	0.00	0.00	0.00	881	108	0	0	0	177537	94674	37	802	40255	82862
2344+00	234400	100	358.48	9.13	0.00	0.00	0.00	1165	53	0	0	0	178702	94727	37	802	40255	83974
2345+00	234500	100	369.44	1.46	0.00	0.00	0.00	1348	20	0	0	0	180050	94747	37	802	40255	85303
2346+00	234600	100	407.19	0.00	0.00	0.00	0.00	1438	3	0	0	0	181488	94750	37	802	40255	86738
2347+00	234700	100	411.53	0.00	0.00	0.00	0.26	1516	0	0	0	0	183004	94750	37	802	40255	88254
2348+00	234800	100	367.22	0.00	0.00	0.00	51.51	1442	0	0	0	96	184446	94750	37	802	40351	89697
2349+00	234900	100	379.41	0.00	0.00	0.00	48.10	1383	0	0	0	184	185829	94750	37	802	40535	91079
2350+00	235000	100	394.02	0.00	0.00	0.00	2.59	1432	0	0	0	94	187261	94750	37	802	40629	92511
2351+00	235100	100	369.15	0.00	0.00	0.00	0.00	1413	0	0	0	5	188675	94750	37	802	40634	93925
2352+00	235200	100	361.97	0.00	0.00	0.00	0.00	1354	0	0	0	0	190028	94750	37	802	40634	95279
2353+00	235300	100	365.03	0.00	0.00	0.00	0.00	1346	0	0	0	0	191375	94750	37	802	40634	96625
2354+00	235400	100	340.90	0.00	0.00	0.00	0.00	1307	0	0	0	0	192682	94750	37	802	40634	97932
2355+00	235500	100	316.62	0.00	0.00	0.00	0.00	1218	0	0	0	0	193900	94750	37	802	40634	99150
2356+00	235600	100	260.78	2.92	0.00	0.00	0.00	1069	5	0	0	0	194969	94755	37	802	40634	100214
2357+00	235700	100	217.05	6.95	0.00	0.00	0.00	885	18	0	0	0	195854	94773	37	802	40634	101080
2358+00	235800	100	179.28	20.88	0.00	0.00	0.00	734	52	0	0	0	196588	94825	37	802	40634	101763
2359+00	235900	100	142.49	41.63	0.00	0.00	0.00	596	116	0	0	0	197184	94941	37	802	40634	102243
2359+04	235904	4	141.50	42.94	0.00	0.00	0.00	23	7	0	0	0	197206	94948	37	802	40634	102259
2360+00	236000	96	112.44	69.75	0.00	0.00	0.00	450	200	0	0	0	197656	95147	37	802	40634	102509
2361+00	236100	100	98.32	93.34	0.00	0.00	0.00	390	302	0	0	0	198047	95449	37	802	40634	102597
2362+00	236200	100	90.42	143.24	0.00	0.00	0.00	350	438	0	0	0	198396	95887	37	802	40634	102509
2363+00	236300	100	98.08	185.33	0.00	0.00	0.00	349	608	0	0	0	198745	96496	37	802	40634	102249
2364+00	236400	100	109.42	240.41	0.00	0.00	0.00	384	788	0	0	0	199129	97284	37	802	40634	101845
2365+00	236500	100	122.06	279.48	0.00	0.00	0.00	429	963	0	0	0	199558	98247	37	802	40634	101311
2365+06	236506	6	124.73	244.45	0.00	0.00	0.00	26	55	0	0	0	199584	98302	37	802	40634	101282
2365+70	236570	64	140.20	193.38	0.00	0.00	0.00	315	521	0	0	0	199899	98823	37	802	40634	101076
2366+00	236600	30	142.59	186.80	0.00	0.00	0.00	157	212	0	0	0	200057	99035	37	802	40634	101022
2367+00	236700	100	134.31	180.19	0.00	0.00	0.00	513	680	0	0	0	200569	99714	37	802	40634	100855
2367+65	236765	65	135.01	207.44	0.00	0.00	0.00	322	463	0	0	0	200891	100178	37	802	40634	100714
2368+00	236800	35	144.75	174.51	0.00	0.00	0.00	184	251	0	0	0	201075	100429	37	802	40634	100647
2369+00	236900	100	113.39	212.59	0.00	0.00	0.00	478	717	0	0	0	201553	101145	37	802	40634	100408
2370+00	237000	100	107.50	219.33	0.00	0.00	0.00	409	800	0	0	0	201962	101945	37	802	40634	100017
2371+00	237100	100	107.41	80.10	0.00	0.00	0.00	398	555	0	0	0	202360	102500	37	802	40634	99860
2372+00	237200	100	135.82	26.72	0.00	0.00	0.00	450	198	0	0	0	202811	102698	37	802	40634	100113
2373+00	237300	100	211.09	20.92	0.00	0.00	27.47	642	88	0	0	27	203453	102786	37	802	40662	100667
2374+00	237400	100	234.43	10.16	0.00	0.00	71.61	825	58	0	0	72	204278	102843	37	802	40733	101435
2374+30	237430	30	247.19	8.45	0.00	0.00	101.65	268	10	0	0	102	204546	102854	37	802	40835	101692
2375+00	237500	70	253.29	3.87	0.00	0.00	49.21	649	16	0	0	49	205194	102870	37	802	40884	102325
2376+00	237600	100	238.23	26.02	0.00	0.00	12.25	910	55	0	0	12	206105	102925	37	802	40896	103180
2377+00	237700	100	143.62	74.12	0.00	0.00	1.88	707	185	0	0	2	206812	103110	37	802	40898	103701
2378+00	237800	100	86.99	171.37	0.00	0.00	0.00	427	455	0	0	0	207239	103565	37	802	40898	103674
2379+00	237900	100	73.06	220.90	0.00	0.00	0.00	296	726	0	0	0	207535	104291	37	802	40898	103244

CONTINUED ON NEXT PAGE

PROJECT ID 1007-11-76
STAGE 1 - NB IH 39

STATION	Real Station	Distance	AREA (SF) Cut	Fill	EBS (In Cross Sections)	Excavation Marsh (In Cross Sections)	Excavation Rock (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Fill	EBS	Excavation Marsh	Excavation Rock	Cumulative Vol (CY) Cut	Fill	EBS	Excavation Marsh	Excavation Rock	Mass Ordinate
2380+00	238000	100	58.81	223.51	0.00	0.00	0.00	244	823	0	0	0	207779	105114	37	802	40898	102665
2381+00	238100	100	64.97	182.62	0.00	0.00	0.00	229	752	0	0	0	208009	105867	37	802	40898	102142
2382+00	238200	100	75.45	116.83	0.00	0.00	0.00	260	555	0	0	0	208269	106421	37	802	40898	101848
2383+00	238300	100	68.63	179.9	0.00	0.00	0.00	267	550	0	0	0	208535	106971	37	802	40898	101565
2383+12	238312	12	63.02	184.94	0.00	0.00	0.00	29	80	0	0	0	208564	107051	37	802	40898	101514
2383+37	238337	25	50.73	179.39	0.00	0.00	0.00	53	171	0	0	0	208618	107221	37	802	40898	101396
2383+62	238362	25	42.28	168.35	0.00	0.00	0.00	44	163	0	0	0	208661	107384	37	802	40898	101277
2384+00	238400	38	35.94	162.7	0.00	0.00	0.00	54	230	0	0	0	208716	107614	37	802	40898	101101
2385+00	238500	100	23.90	189.81	0.00	0.00	0.00	111	653	0	0	0	208826	108267	37	802	40898	100559
2386+00	238600	100	28.63	180.11	0.00	0.00	0.00	97	685	0	0	0	208924	108952	37	802	40898	99971
2386+87 BK	238687	87	22.87	76.27	0.00	0.00	0.00	83	412	0	0	0	209007	109365	37	802	40898	99642
2388+82 AH	238882	0	21.66	995.20	0.00	0.00	0.00	0	0	0	0	0	209007	109365	37	802	40898	99642
2389+00	238900	18	17.77	1092.76	0.00	0.00	0.00	13	699	0	0	0	209020	110064	37	802	40898	98956
2390+00	239000	100	8.47	396.42	0.00	0.00	0.00	49	2758	0	0	0	209068	112821	37	802	40898	96247
2391+00	239100	100	9.36	507.77	0.00	0.00	0.00	33	1674	0	0	0	209101	114496	37	802	40898	94606
2392+00	239200	100	0.00	540.83	0.00	0.00	0.00	17	1942	0	0	0	209119	116438	37	802	40898	92681
2393+00	239300	100	0.00	599.79	0.00	0.00	0.00	0	2112	0	0	0	209119	118550	37	802	40898	90569
2394+00	239400	100	0.00	707.54	0.00	0.00	0.00	0	2421	0	0	0	209119	120971	37	802	40898	88148
2395+00	239500	100	0.00	607.11	0.00	0.00	0.00	0	2435	0	0	0	209119	123405	37	802	40898	85713
2396+00	239600	100	0.00	407.16	0.00	0.00	0.00	0	1878	0	0	0	209119	125284	37	802	40898	83835
2396+90	239690	90	0.00	306.41	0.00	0.00	0.00	0	1184	0	0	0	209119	126468	37	802	40898	82651
2397+00	239700	10	0.00	310.19	0.00	0.00	0.00	0	119	0	0	0	209119	126586	37	802	40898	82532
2397+15	239715	15	0.00	294.87	0.00	0.00	0.00	0	164	0	0	0	209119	126750	37	802	40898	82368
2397+40	239740	25	0.00	275.77	0.00	0.00	0.00	0	264	0	0	0	209119	127014	37	802	40898	82104
2398+00	239800	100	0.00	186.83	0.00	0.00	0.00	0	857	0	0	0	209119	127871	37	802	40898	81248
2399+00	239900	100	0.00	162.9	0.00	0.00	0.00	0	648	0	0	0	209119	128519	37	802	40898	80600
2400+00	240000	100	1.53	91.73	0.00	0.00	0.00	3	472	0	0	0	209122	128990	37	802	40898	80131
2400+31 BK	240031	31	9.78	410.26	0.00	0.00	0.00	7	289	0	0	0	209128	129279	37	802	40898	79849
2401+60 AH	240160	0	31.37	54.47	0.00	0.00	0.00	0	0	0	0	0	209128	129279	37	802	40898	79849
2402+00	240200	40	35.93	54.23	0.00	0.00	0.00	49	80	0	0	0	209178	129359	37	802	40898	79818
2402+50	240250	50	49.09	42.69	0.00	0.00	0.00	79	90	0	0	0	209256	129449	37	802	40898	79807
2403+00	240300	50	60.03	33.02	0.00	0.00	0.00	101	70	0	0	0	209357	129519	37	802	40898	79838
2404+00	240400	100	86.76	25.32	0.00	0.00	0.00	272	108	0	0	0	209629	129627	37	802	40898	80002
2404+67	240467	67	103.70	29.92	0.00	0.00	0.00	236	69	0	0	0	209865	129696	37	802	40898	80170
2404+82	240482	15	107.57	30.38	0.00	0.00	0.00	60	17	0	0	0	209925	129713	37	802	40898	80212
2405+00	240500	18	112.32	28.25	0.00	0.00	0.00	72	19	0	0	0	209997	129732	37	802	40898	80265
2406+00	240600	100	141.59	13	0.00	0.00	0.00	470	76	0	0	0	210468	129808	37	802	40898	80659
2407+00	240700	100	196.06	0.55	0.00	0.00	0.00	625	25	0	0	0	211093	129833	37	802	40898	81259
2408+00	240800	100	226.18	0.33	0.00	0.00	0.00	782	2	0	0	0	211875	129835	37	802	40898	82040
2409+00	240900	100	227.97	0.37	0.00	0.00	0.00	841	1	0	0	0	212716	129836	37	802	40898	82879
2409+75	240975	75	239.03	0.75	0.00	0.00	0.00	649	2	0	0	0	213364	129838	37	802	40898	83526
2410+00	241000	25	245.90	0.98	0.00	0.00	0.00	225	1	0	0	0	213589	129839	37	802	40898	83750
2411+00	241100	100	336.46	1.47	0.00	0.00	0.00	1078	5	0	0	0	214667	129843	37	802	40898	84824
2412+00	241200	100	387.03	1.29	0.00	0.00	0.00	1340	5	0	0	0	216007	129848	37	802	40898	86159
2412+50	241250	50	368.68	0.63	0.00	0.00	0.00	700	2	0	0	0	216707	129850	37	802	40898	86857
2413+00	241300	50	231.29	0.62	0.00	0.00	0.00	556	1	0	0	0	217262	129851	37	802	40898	87411
2414+00	241400	100	232.31	1.31	0.00	0.00	0.00	859	4	0	0	0	218121	129855	37	802	40898	88266
2415+00 BK	241500	100	189.92	2.86	0.00	0.00	0.00	782	8	0	0	0	218903	129863	37	802	40898	89040
							COLUMN TOTALS	218903	129863	37	802	40898						

PROJECT ID 1007-11-76
STAGE 1 - NB IH 39 END TRANSITION

STATION	Real Station	Distance	AREA (SF) Cut	Fill	EBS (In Cross Sections)	Excavation Rock (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Fill	EBS	Excavation Rock	Cumulative Vol (CY) Cut	Fill	EBS	Excavation Rock	Mass Ordinate
2415+00 AH	241500	0.00	189.92	0	0.00	0.00	0	0	0	0	0	0	0	0	0
2416+00	241600	100.00	92.23	0	0.00	0.00	523	0	0	0	523	0	0	0	523
2417+00	241700	100.00	89.75	0	0.00	0.00	337	0	0	0	860	0	0	0	860
2418+00	241800	100.00	81.67	1.92	0.00	0.00	317	4	0	0	1177	4	0	0	1173
2419+00	241900	100.00	85.35	4.86	0.00	0.00	309	13	0	0	1486	16	0	0	1470
2420+00 BK	242000	100.00	96.32	0.35	0.00	0.00	336	10	0	0	1823	26	0	0	1797
						COLUMN TOTALS	1823	26	0	0					

PROJECT ID 1007-11-76

STAGE 2 - NB MEDIAN SHOULDER RESTORATION

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Fill	EBS (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Rock	Cut	Fill	EBS	Excavation Rock	
2420+00 AH	242000	0	84.86	0.3	0.00	0.00	0	0	0	0	0	0	0	0	0
2421+00	242100	100	6.96	0	0.00	0.00	170	0	0	0	170	0	0	0	170
2422+00	242200	100	7.01	0	0.00	0.00	26	0	0	0	196	0	0	0	196
2423+00	242300	100	7.65	0	0.00	0.00	27	0	0	0	223	0	0	0	223
2424+00	242400	100	7.64	0	0.00	0.00	28	0	0	0	251	0	0	0	251
2425+00	242500	100	7.57	0	0.00	0.00	28	0	0	0	280	0	0	0	279
2426+00	242600	100	7.57	0	0.00	0.00	28	0	0	0	308	0	0	0	307
2427+00	242700	100	11.55	0	0.00	0.00	35	0	0	0	343	0	0	0	343
2428+00	242800	100	7.07	0	0.00	0.00	34	0	0	0	377	0	0	0	377
2429+00	242900	100	7.06	0	0.00	0.00	26	0	0	0	404	0	0	0	403
2430+00	243000	100	7.04	0	0.00	0.00	26	0	0	0	430	0	0	0	429
2430+75 BK	243075	75	0.00	0	0.00	0.00	10	0	0	0	440	0	0	0	439
						COLUMN TOTALS	440	0	0	0					

PROJECT ID 1007-11-76

STAGE 2 - IH 39 SB CROSSOVER 'X280'

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Fill	EBS (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Rock	Cut	Fill	EBS	Excavation Rock	
2415+00 AH	241500.00	0.00	34.16	6.36	0.00	0.00	0	0	0	0	0	0	0	0	0
2415+50	241550.00	50.00	43.97	2.73	0.00	0.00	72	8	0	0	72	8	0	0	64
2416+00	241600.00	50.00	47.47	1.92	0.00	0.00	85	4	0	0	157	13	0	0	144
2416+50	241650.00	50.00	44.87	1.27	0.00	0.00	86	3	0	0	243	16	0	0	227
2417+00	241700.00	50.00	41.17	1.23	0.00	0.00	80	2	0	0	322	18	0	0	304
2417+50	241750.00	50.00	42.63	1.25	0.00	0.00	78	2	0	0	400	20	0	0	379
2418+00	241800.00	50.00	41.62	1.59	0.00	0.00	78	3	0	0	478	23	0	0	455
2418+50	241850.00	50.00	45.23	0.97	0.00	0.00	80	2	0	0	558	25	0	0	533
2419+00	241900.00	50.00	48.98	0.42	0.00	0.00	87	1	0	0	645	27	0	0	619
2419+50	241950.00	50.00	49.88	0.24	0.00	0.00	92	1	0	0	737	27	0	0	710
2420+00	242000.00	50.00	53.81	0.06	0.00	0.00	96	0	0	0	833	27	0	0	806
2420+50	242050.00	50.00	81.58	0	0.00	0.00	125	0	0	0	958	28	0	0	931
2421+00	242100.00	50.00	90.23	0	0.00	0.00	159	0	0	0	1117	28	0	0	1090
2421+50	242150.00	50.00	96.46	0	0.00	0.00	173	0	0	0	1290	28	0	0	1263
2422+00	242200.00	50.00	96.56	0	0.00	0.00	179	0	0	0	1469	28	0	0	1441
2422+50	242250.00	50.00	88.82	0	0.00	0.00	172	0	0	0	1641	28	0	0	1613
2423+00	242300.00	50.00	68.45	0	0.00	0.00	146	0	0	0	1786	28	0	0	1759
2423+50	242350.00	50.00	51.80	0	0.00	0.00	111	0	0	0	1898	28	0	0	1870
2424+00	242400.00	50.00	36.58	0	0.00	0.00	82	0	0	0	1979	28	0	0	1952
2424+50	242450.00	50.00	24.82	1.74	0.00	0.00	57	2	0	0	2036	29	0	0	2007
2425+00	242500.00	50.00	20.32	5.45	0.00	0.00	42	7	0	0	2078	36	0	0	2042
2425+50	242550.00	50.00	13.98	10.44	0.00	0.00	32	15	0	0	2110	51	0	0	2059
2426+00	242600.00	50.00	7.71	9.94	0.00	0.00	20	19	0	0	2130	69	0	0	2061
2426+50	242650.00	50.00	1.17	6	0.00	0.00	8	15	0	0	2138	84	0	0	2054
2426+95 BK	242695.00	45.00	2.66	2.28	0.00	0.00	3	7	0	0	2141	91	0	0	2050
						COLUMN TOTALS	2141	91	0	0					

PROJECT ID 1007-11-76

STAGE 1 - CTH MN

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Fill	EBS (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Rock	Cut	Fill	EBS	Excavation Rock	
50+39 AH	5039	0	7.08	0.05	0.00	0.00	0	0	0	0	0	0	0	0	0
50+50	5050	11	7.12	0.06	0.00	0.00	3	0.0	0	0	3	0	0	0	3
50+75	5075	25	6.80	0.37	0.00	0.00	6	0.2	0	0	9	0	0	0	9
50+89	5089	14	12.52	0.52	0.00	0.00	5	0.2	0	0	14	0	0	0	14
51+00	5100	11	12.61	0.63	0.00	0.00	5	0.2	0	0	19	1	0	0	19
51+03	5103	3	12.69	0.63	0.00	0.00	2	0.1	0	0	21	1	0	0	20
51+25	5125	22	5.59	0.05	0.00	0.00	7	0.3	0	0	28	1	0	0	27
51+50	5150	25	5.60	0.06	0.00	0.00	5	0.1	0	0	33	1	0	0	32
51+53 BK	5153	3	5.59	0.07	0.00	0.00	1	0.0	0	0	34	1	0	0	33
52+24 AH	5224	71	31.14	0.00	0.00	0.00	48	0.1	0	0	82	1	0	0	81
52+25	5225	1	31.20	0.00	0.00	0.00	2	0.0	0	0	84	1	0	0	82
52+49 BK	5249	24	32.10	0.00	0.00	0.00	28	0.0	0	0	111	1	0	0	110
						COLUMN TOTALS	111	1	0	0					

9

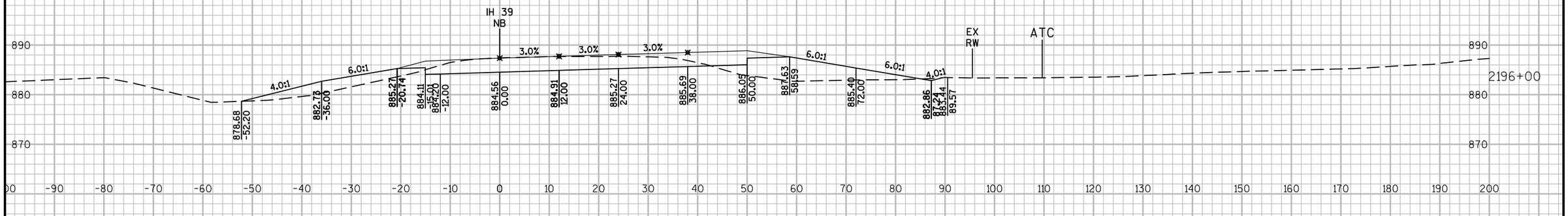
9

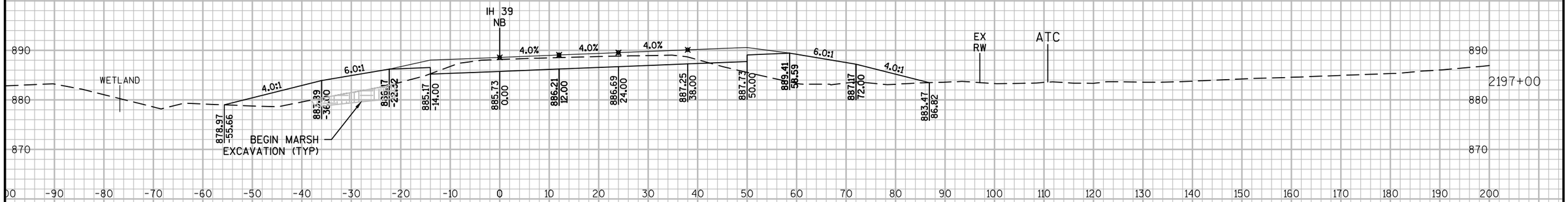
FILE NAME : \\sehmadison\projects\AE\D\DANEL\119189\Civil 3D\10071001\SheetsPlan\10071176\SEC 09 Computer Earthwork Data\090100_ew.dwg

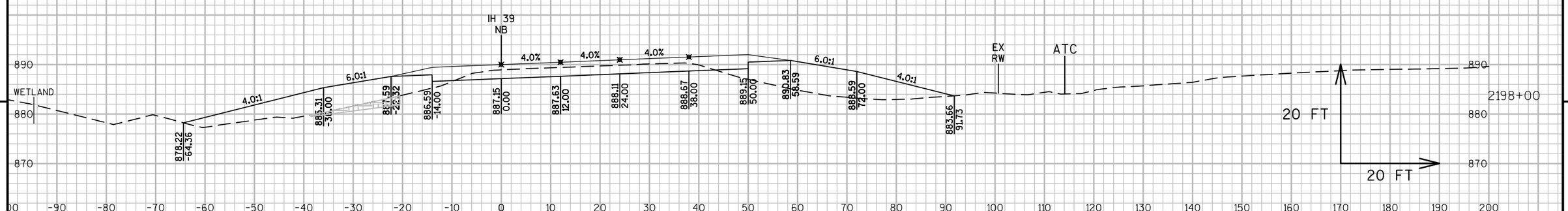
PLOT DATE : 10/9/2017 6:17 PM PLOT BY : SEH INC LAYOUT NAME : 06 PLOT SCALE : NTS

WISDOT/CADDS SHEET 49

BEGIN PROJECT
STA 2195+00







PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 400	E

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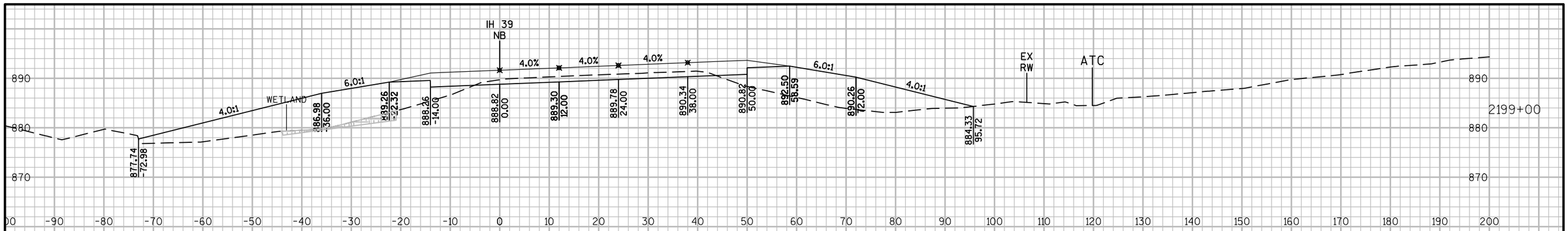
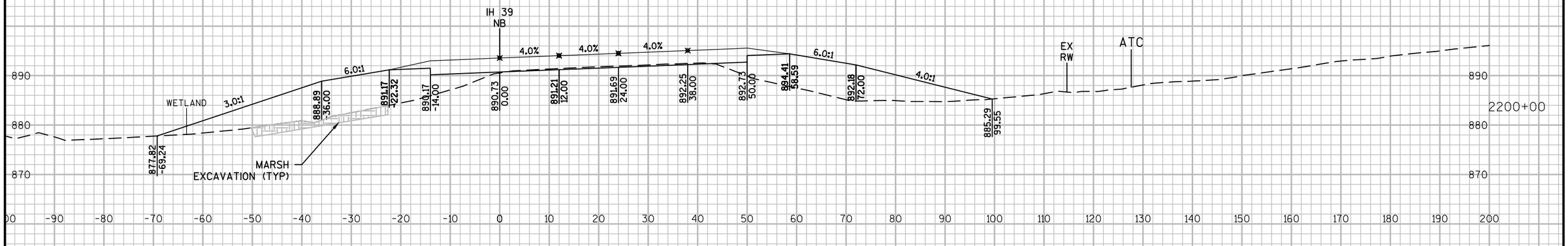
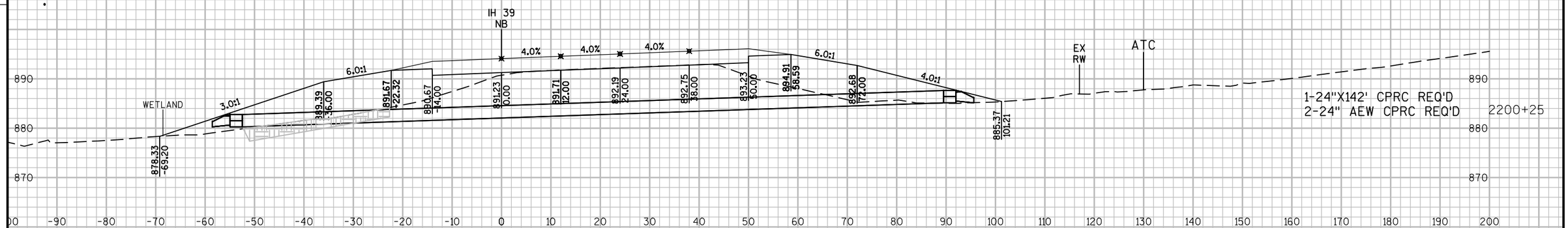
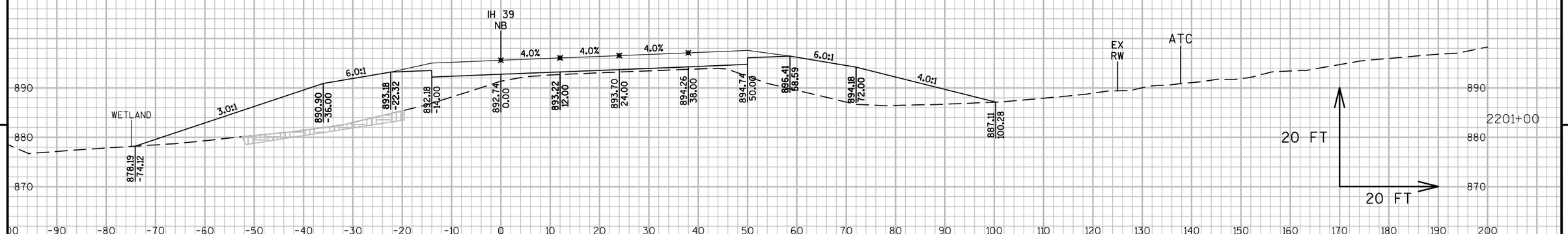
LAYOUT NAME - 09021
PLOT DATE : 10/5/2017 9:10 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49





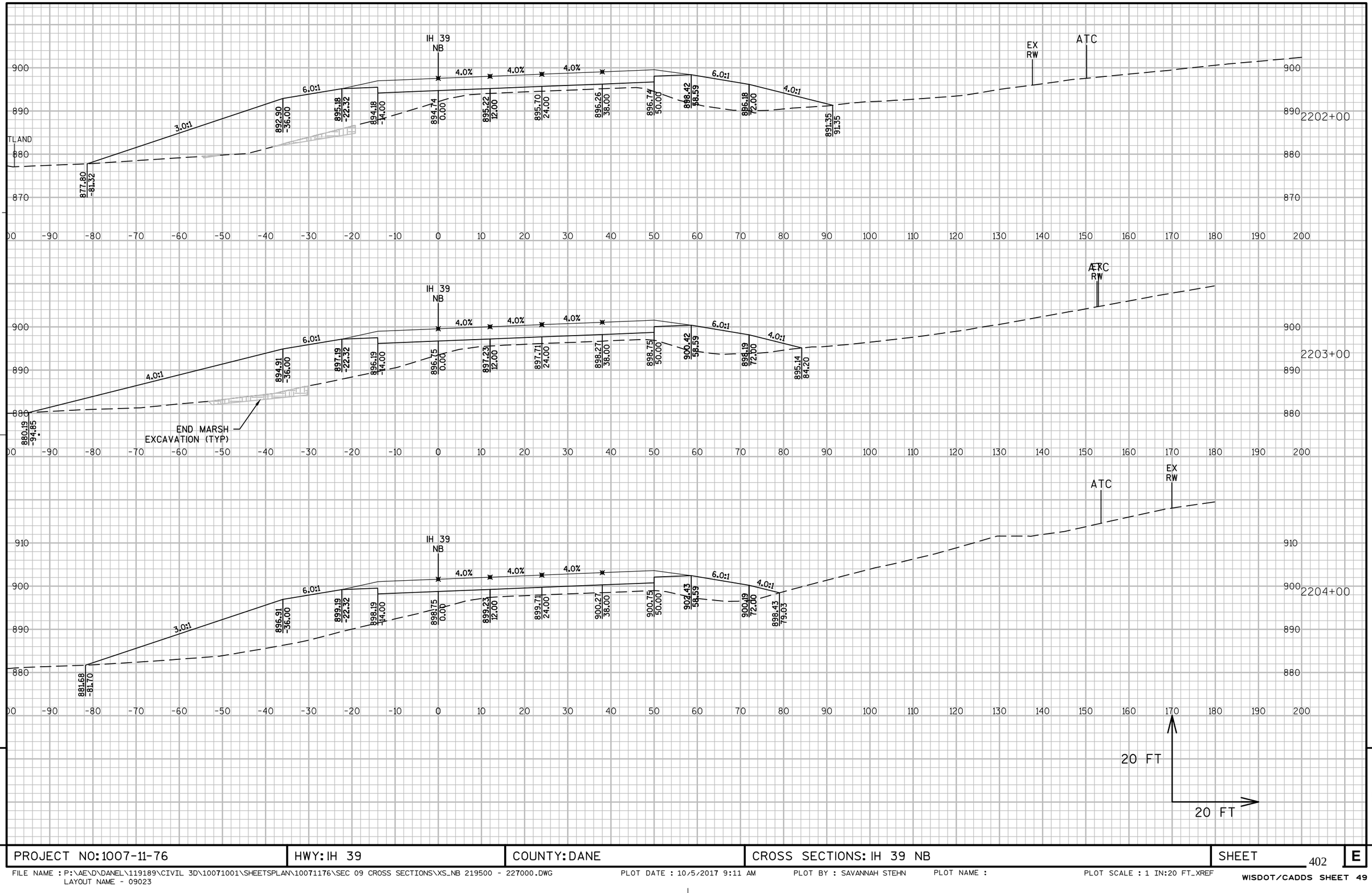




PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 401	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 09022
PLOT DATE : 10/5/2017 9:11 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49

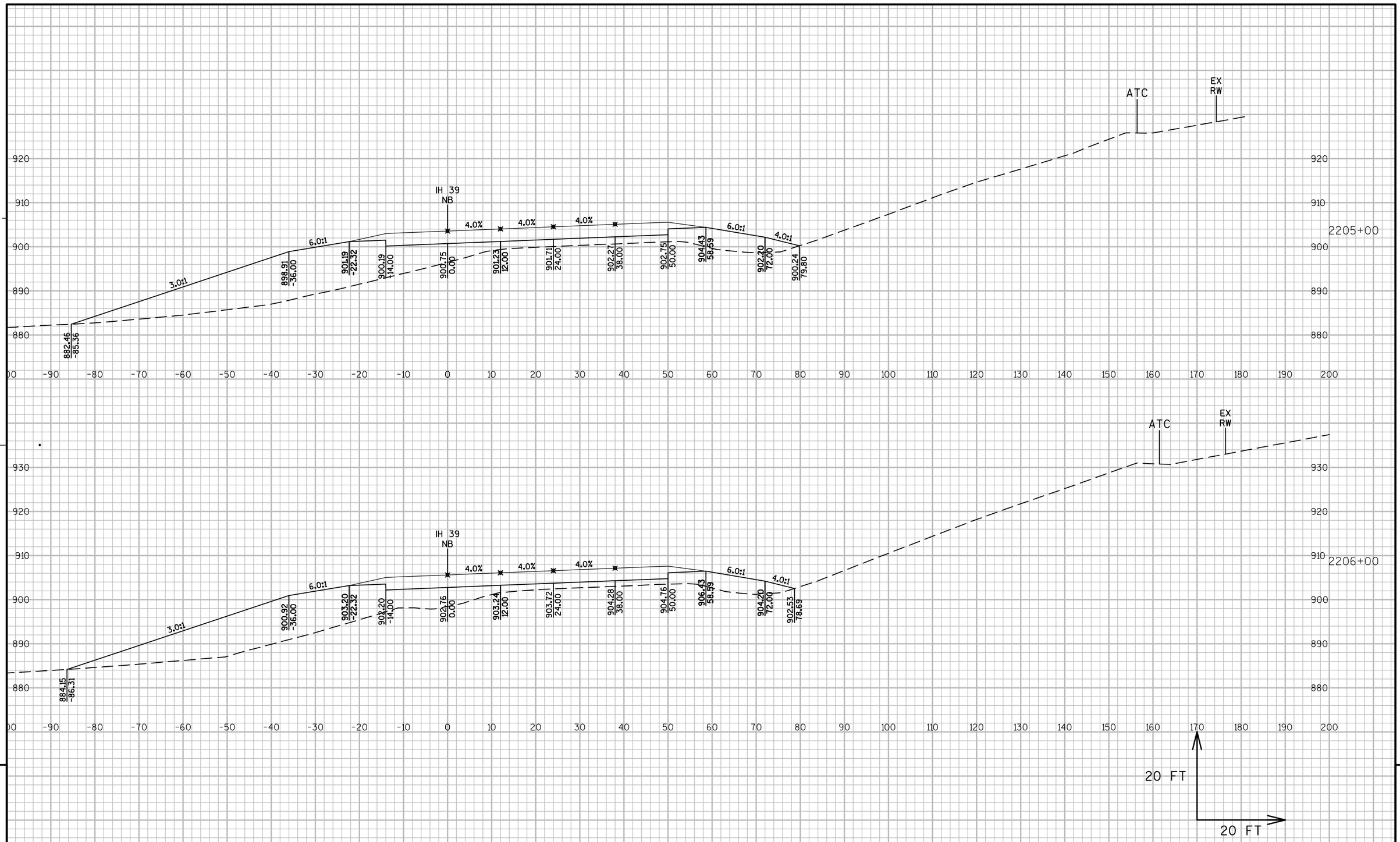


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 402	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 09023

PLOT DATE : 10/5/2017 9:11 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49

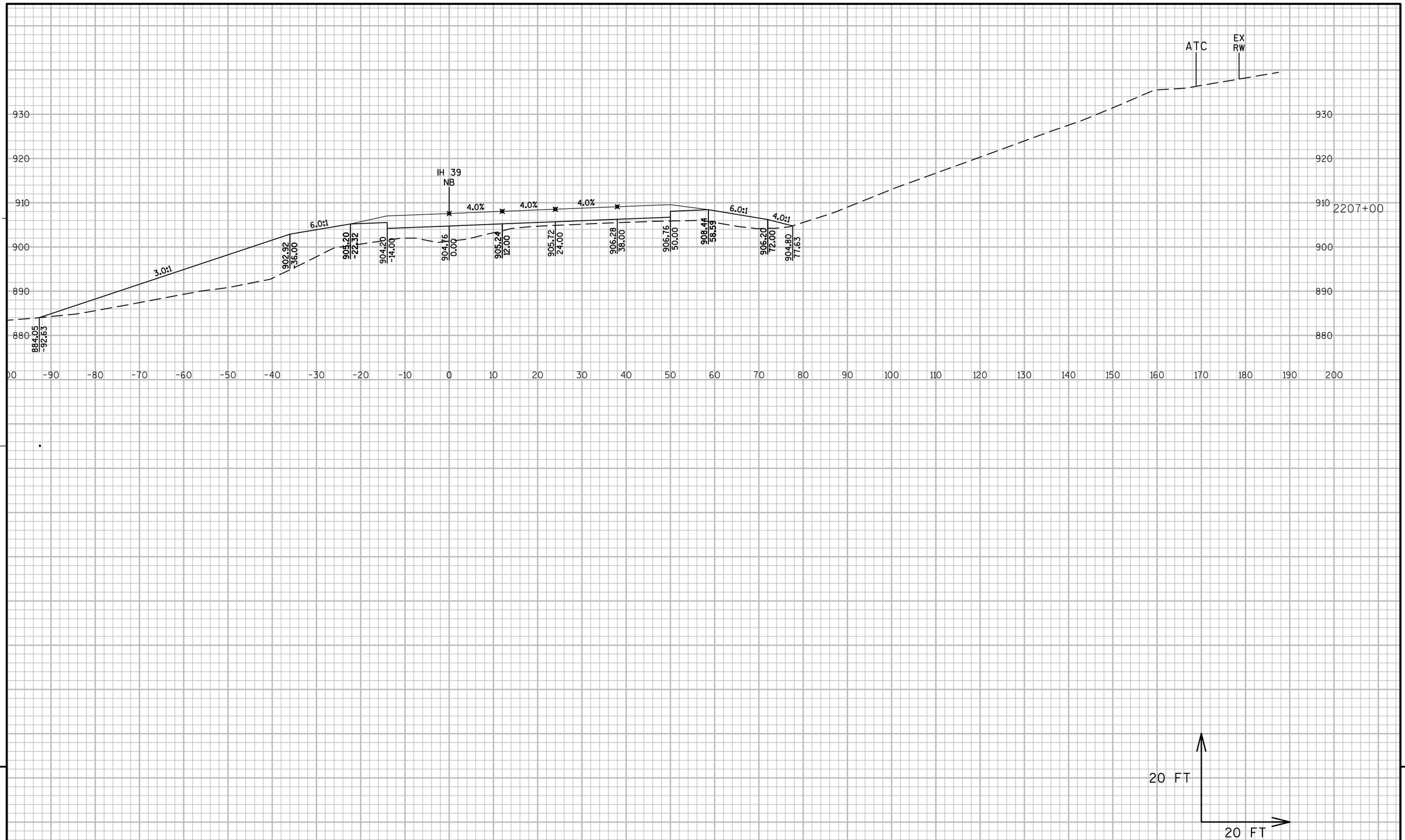


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 403	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 09024

PLOT DATE : 10/5/2017 9:12 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49



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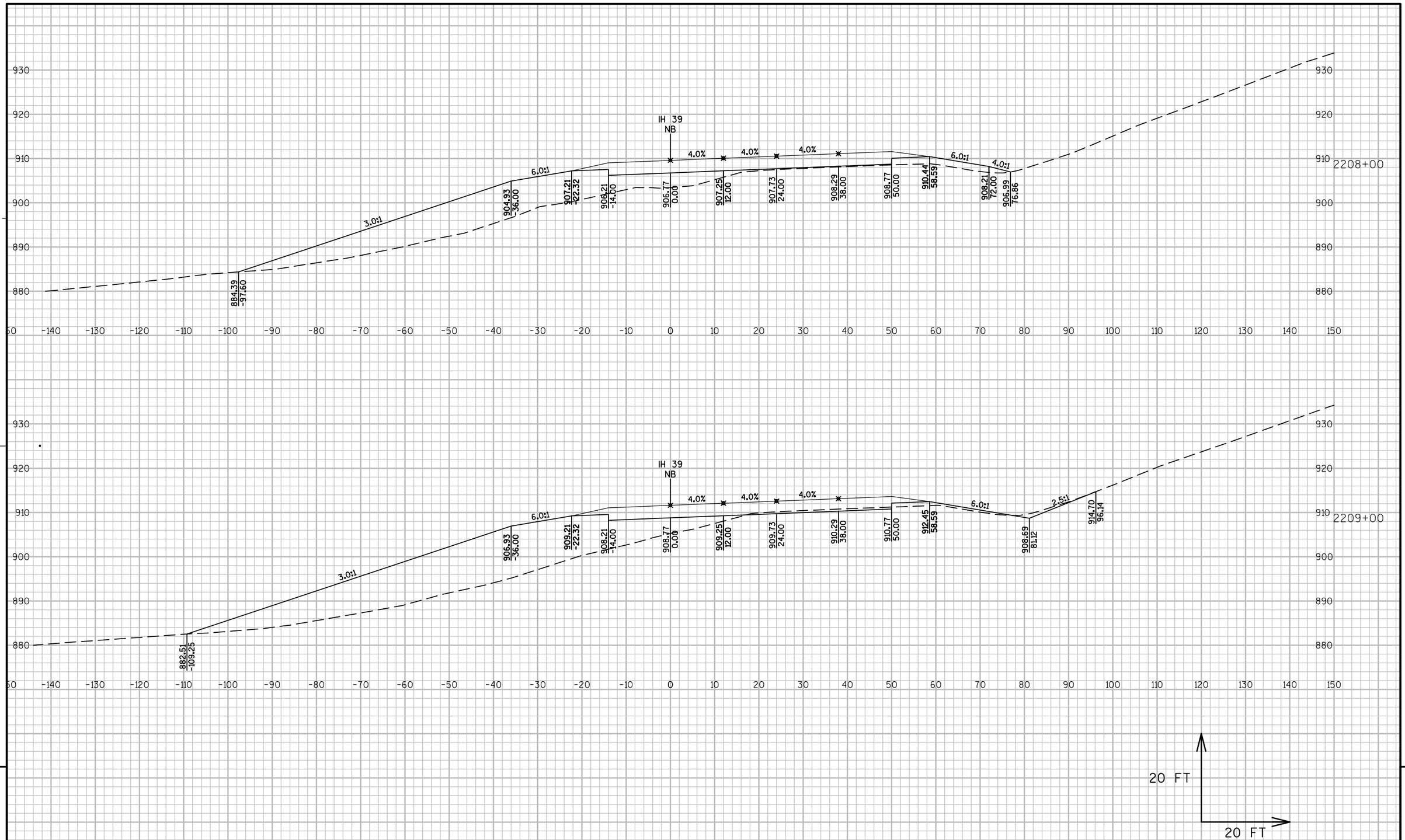
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 404	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 09025

PLOT DATE : 10/5/2017 9:12 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49



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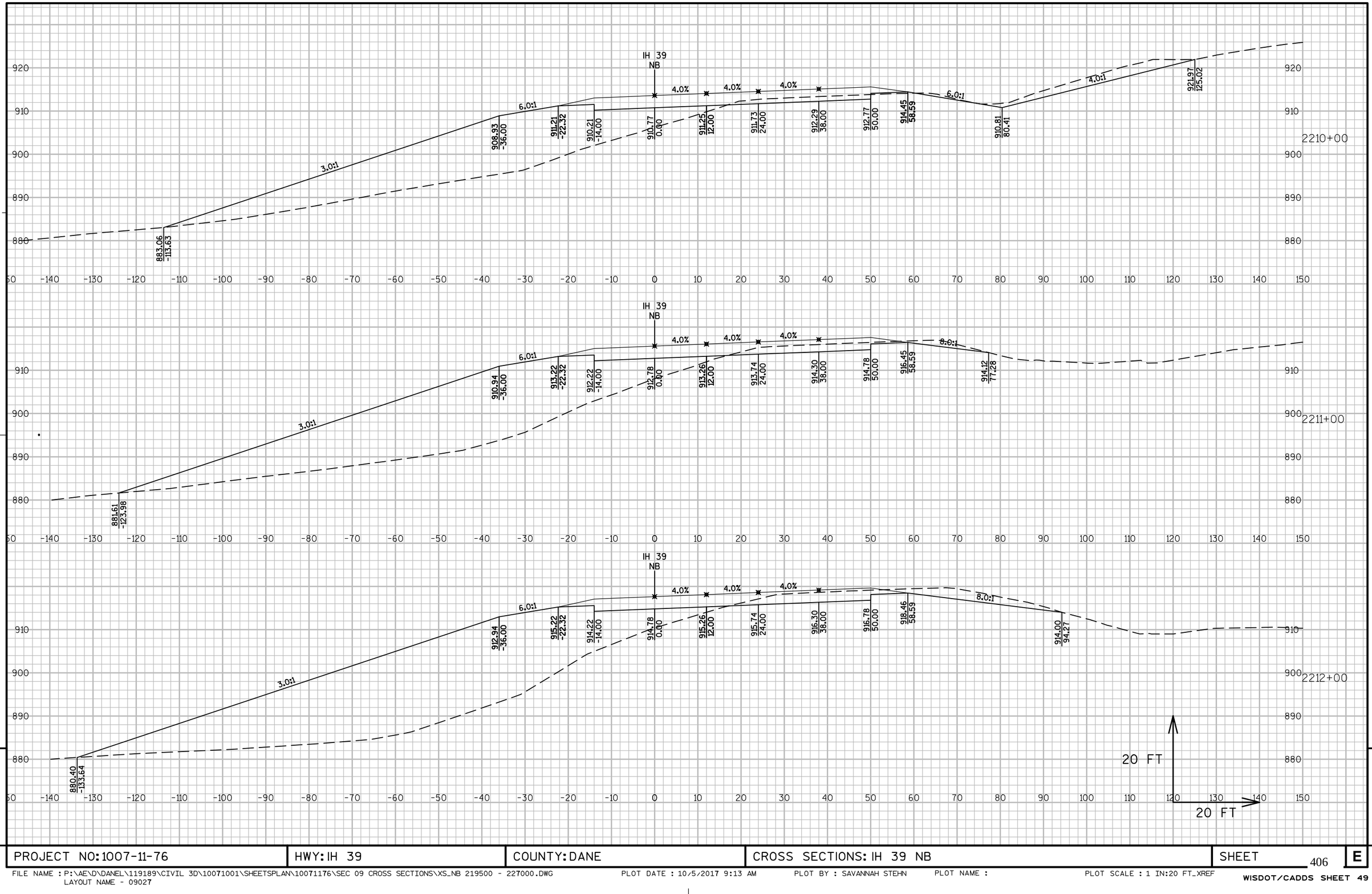
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 405	E

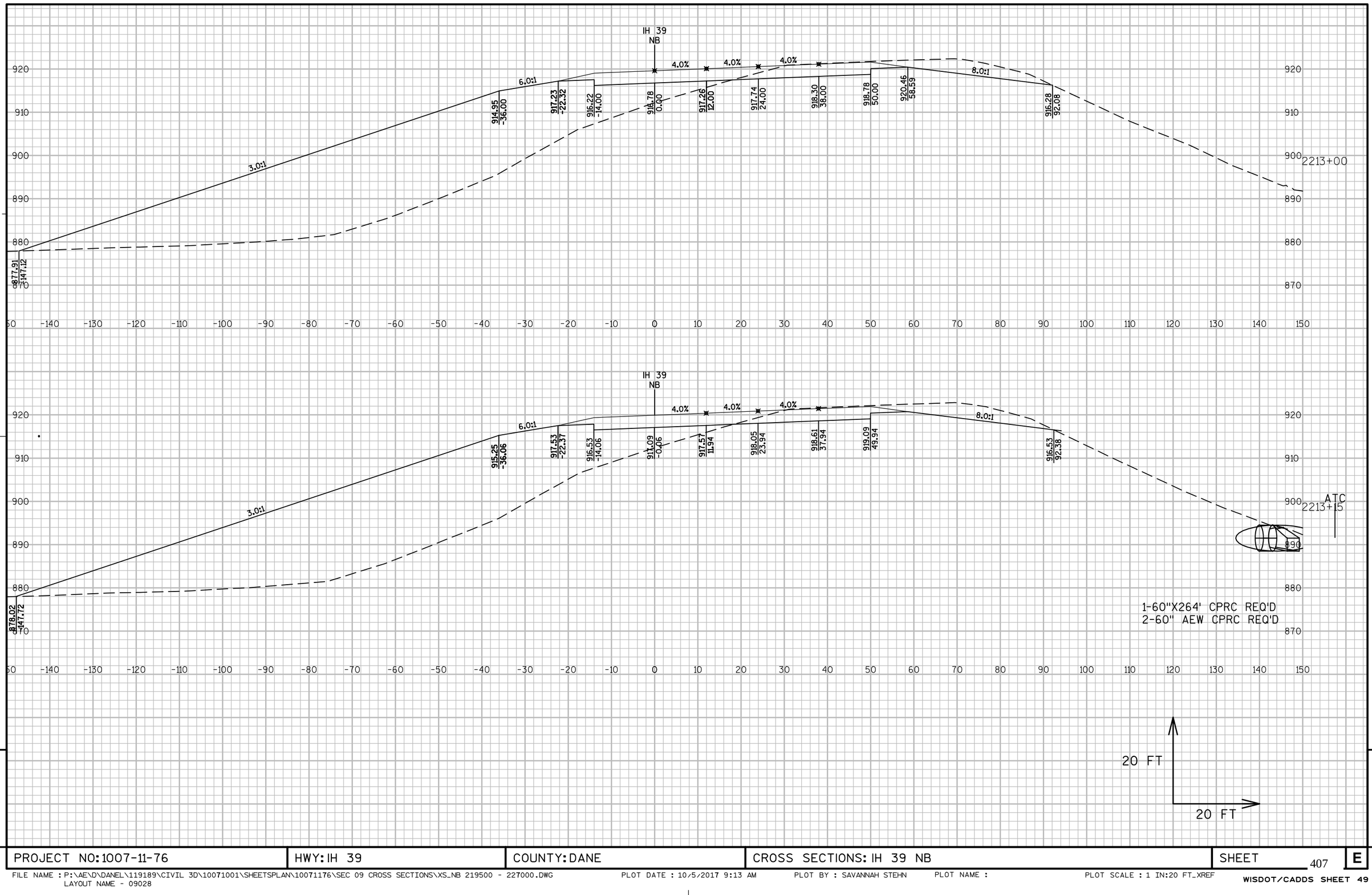


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 406	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 09027

PLOT DATE : 10/5/2017 9:13 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49



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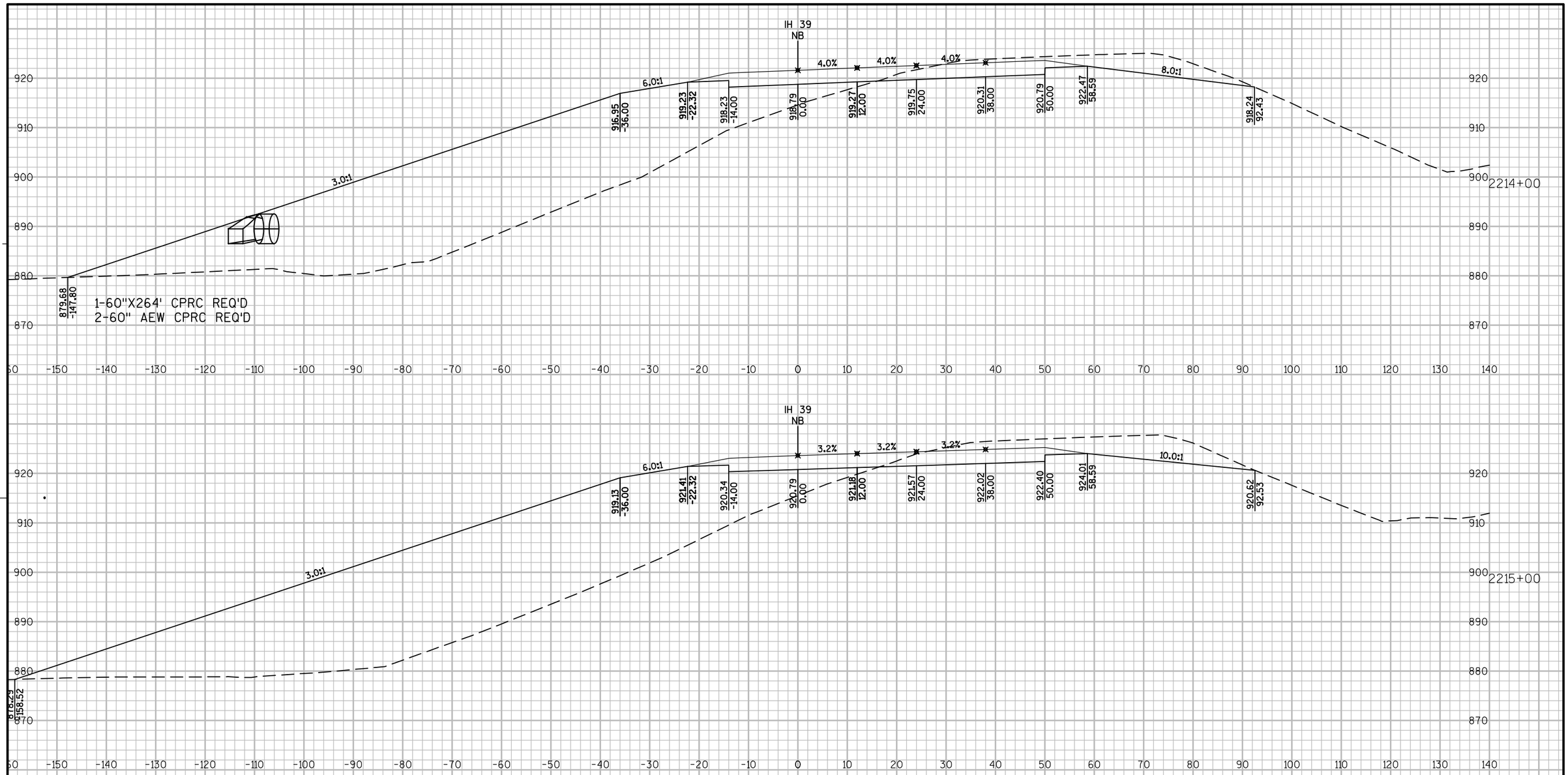
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 407	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 09028

PLOT DATE : 10/5/2017 9:13 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49



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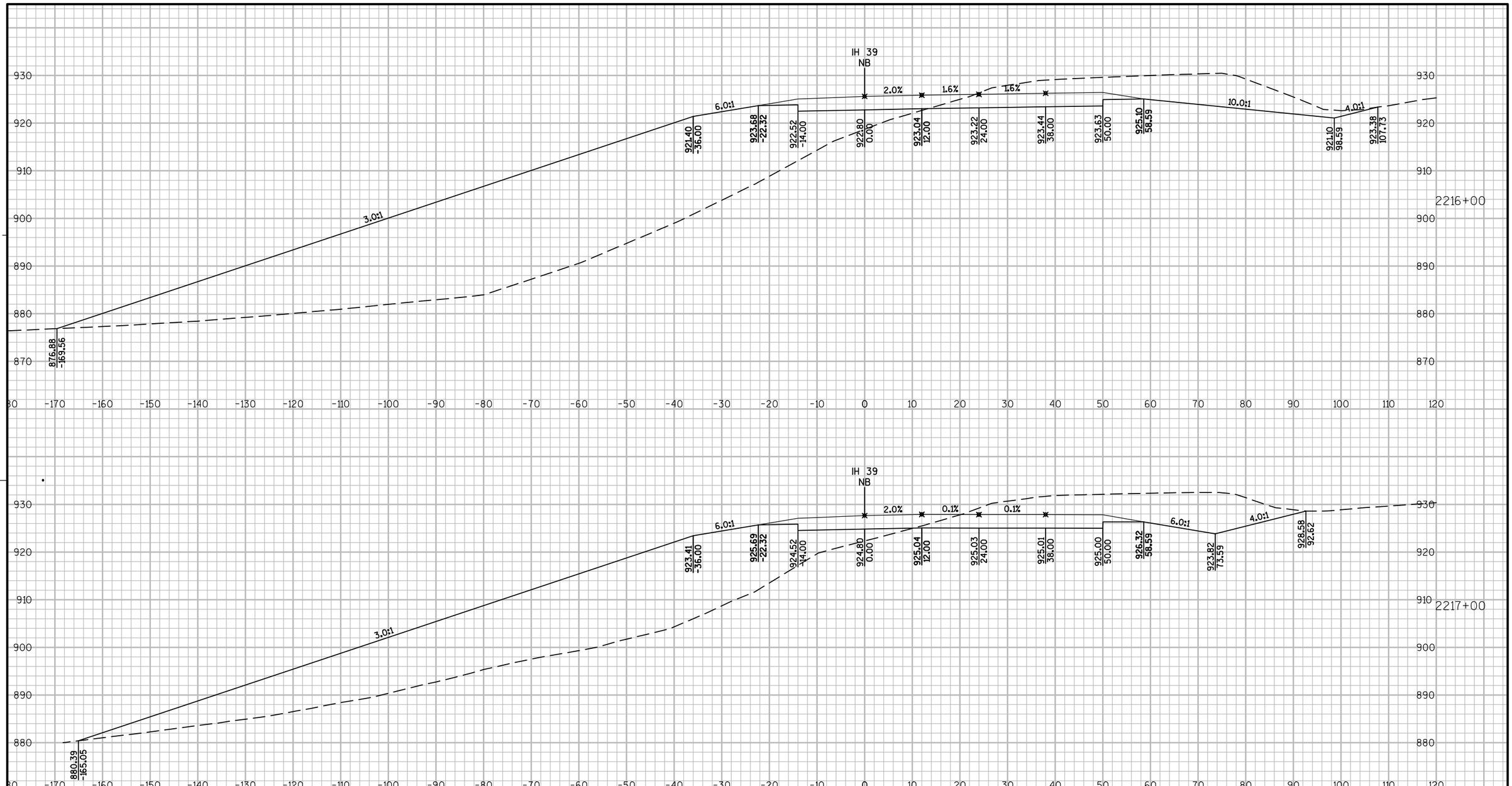
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 408	E

9

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 09029
PLOT DATE : 10/5/2017 9:14 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF
WISDOT/CADDS SHEET 49

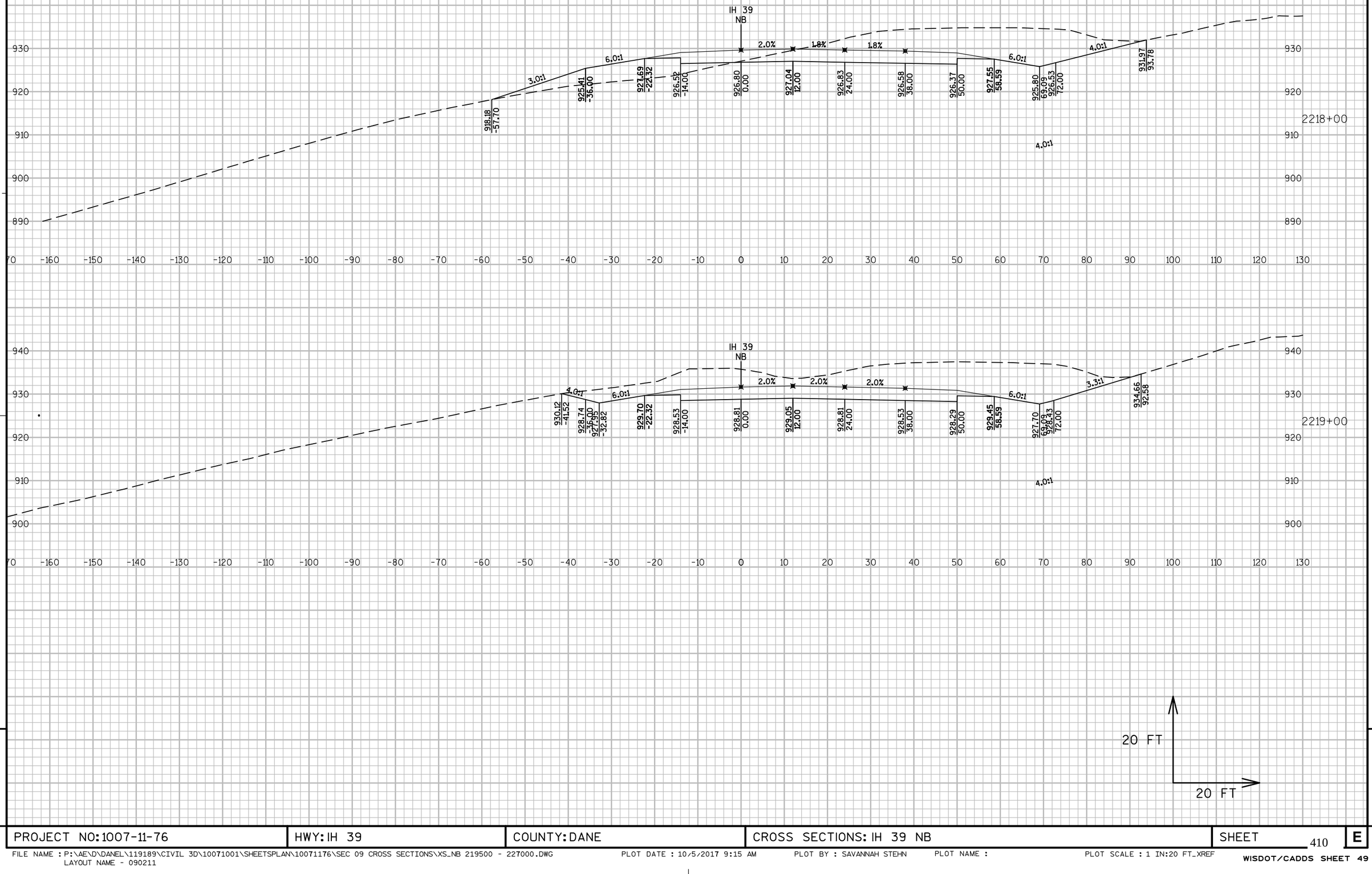


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 409	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090210

PLOT DATE : 10/5/2017 9:14 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49



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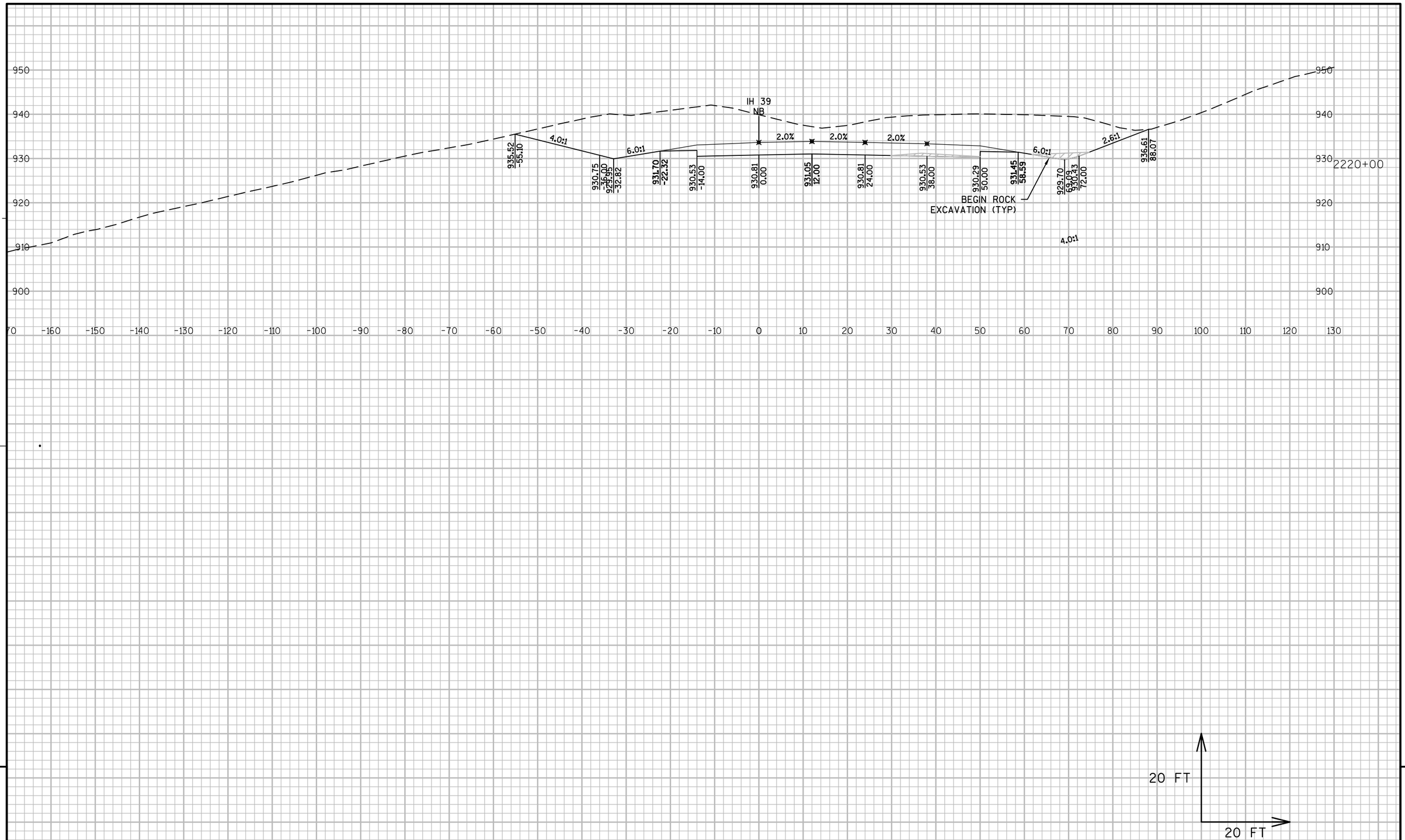
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 410	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090211
PLOT DATE : 10/5/2017 9:15 AM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT_XREF
WISDOT/CADDS SHEET 49



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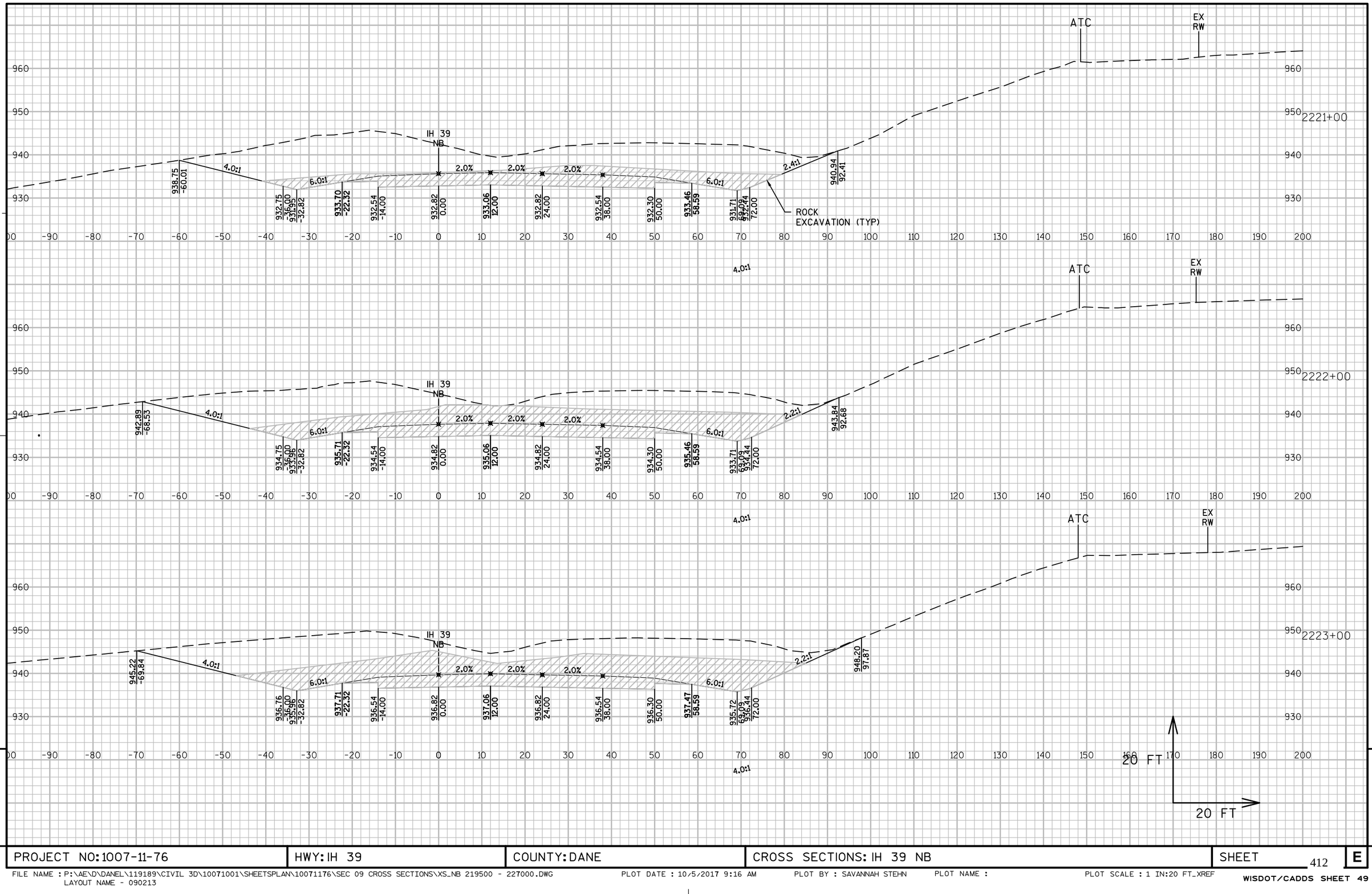
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 411	E

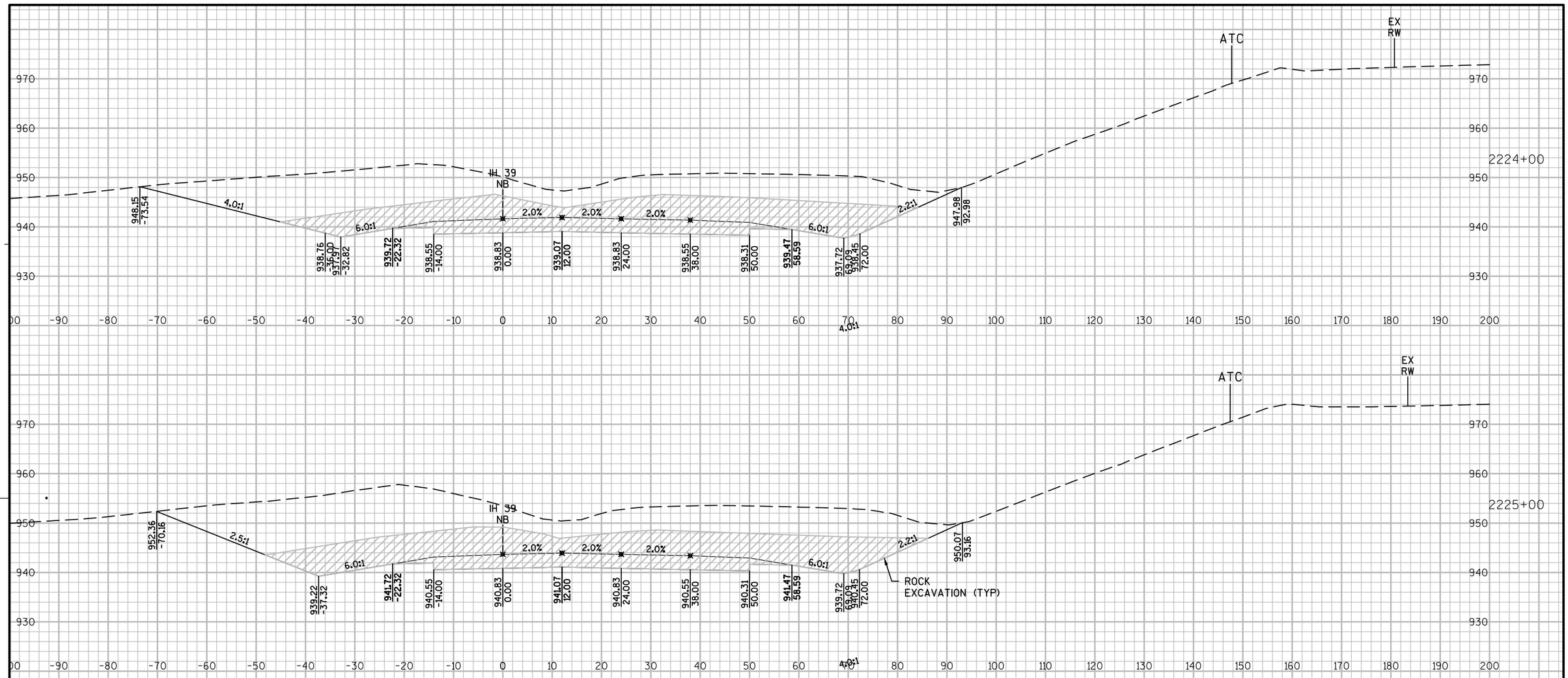


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 412	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090213

PLOT DATE : 10/5/2017 9:16 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49



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PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 413	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090214
PLOT DATE : 10/5/2017 9:17 AM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT_XREF
WISDOT/CADDS SHEET 49

9

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PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 414	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090215

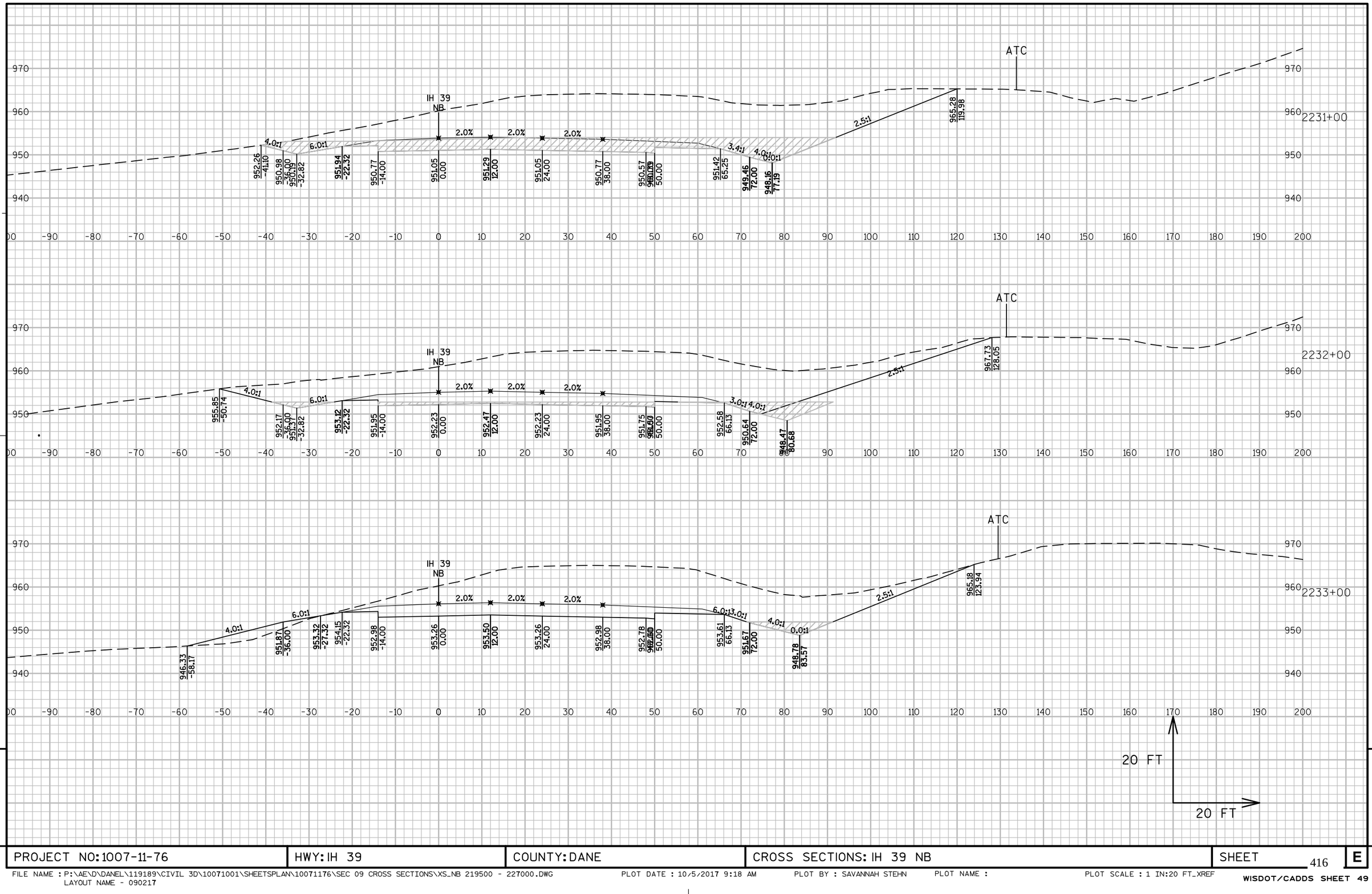
PLOT DATE : 10/5/2017 9:17 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 415	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090216

PLOT DATE : 10/5/2017 9:18 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

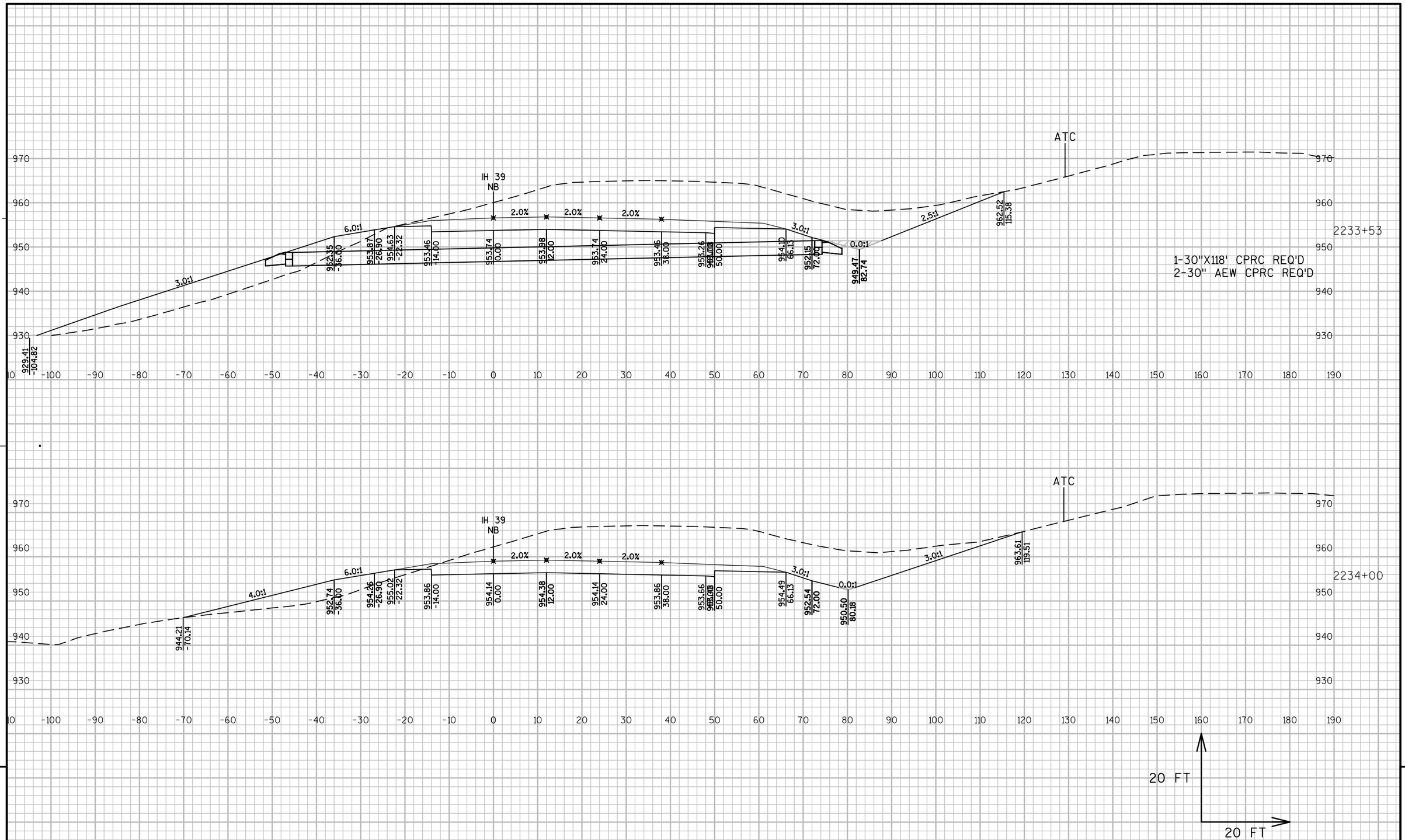
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 416	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090217
PLOT DATE : 10/5/2017 9:18 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49

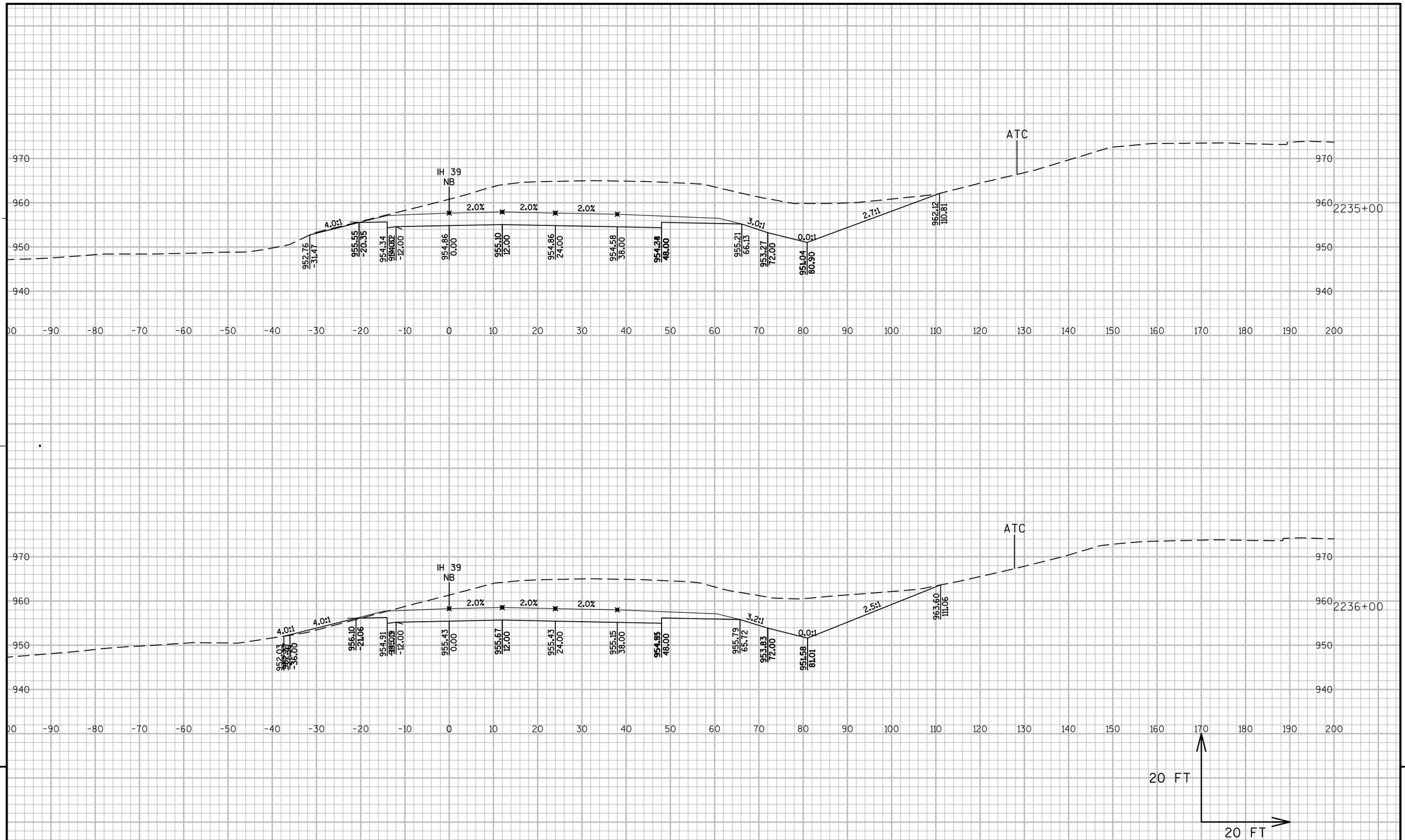


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 417	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090218

PLOT DATE : 10/5/2017 9:19 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49

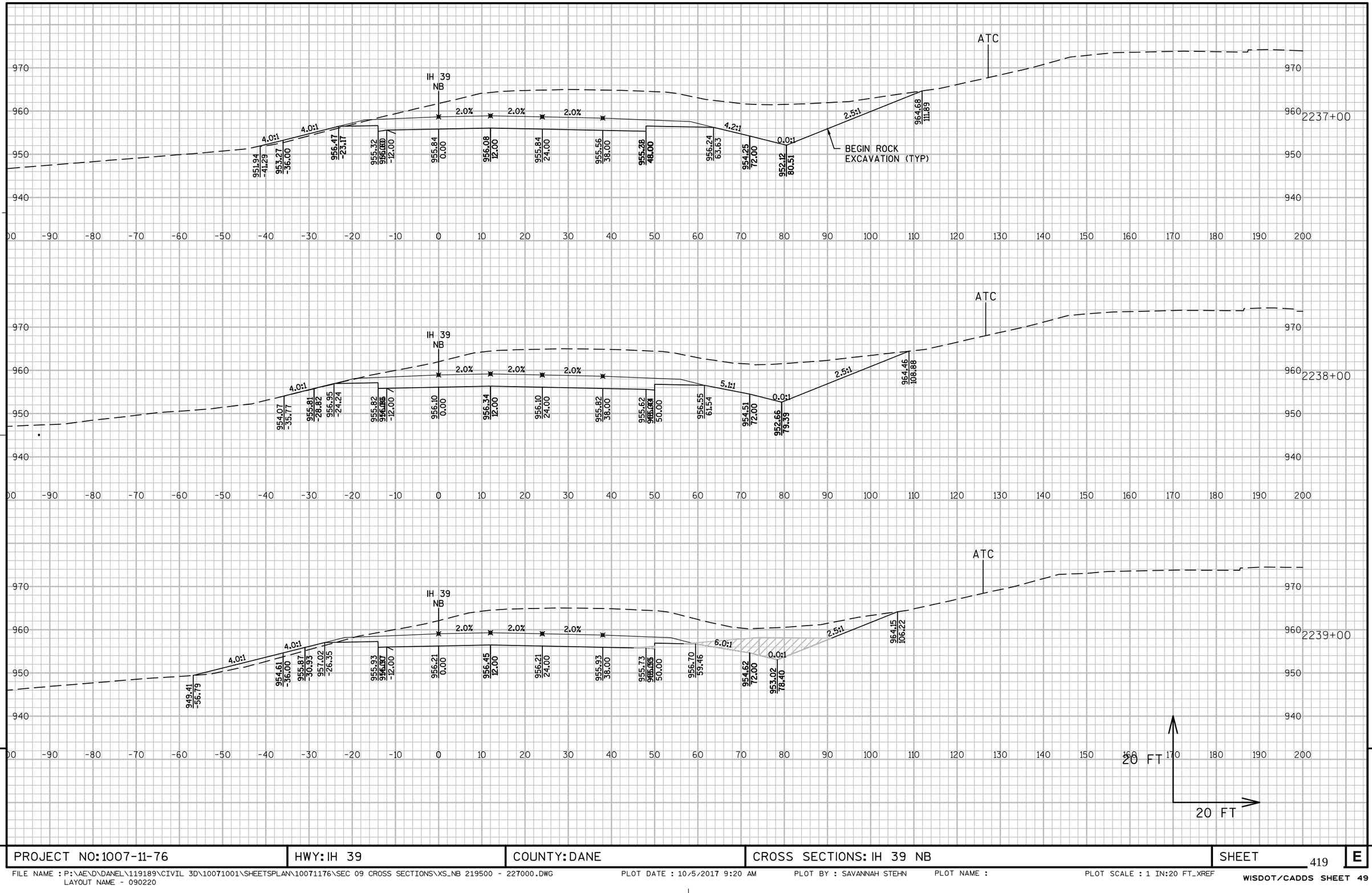


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 418	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090219

PLOT DATE : 10/5/2017 9:19 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49

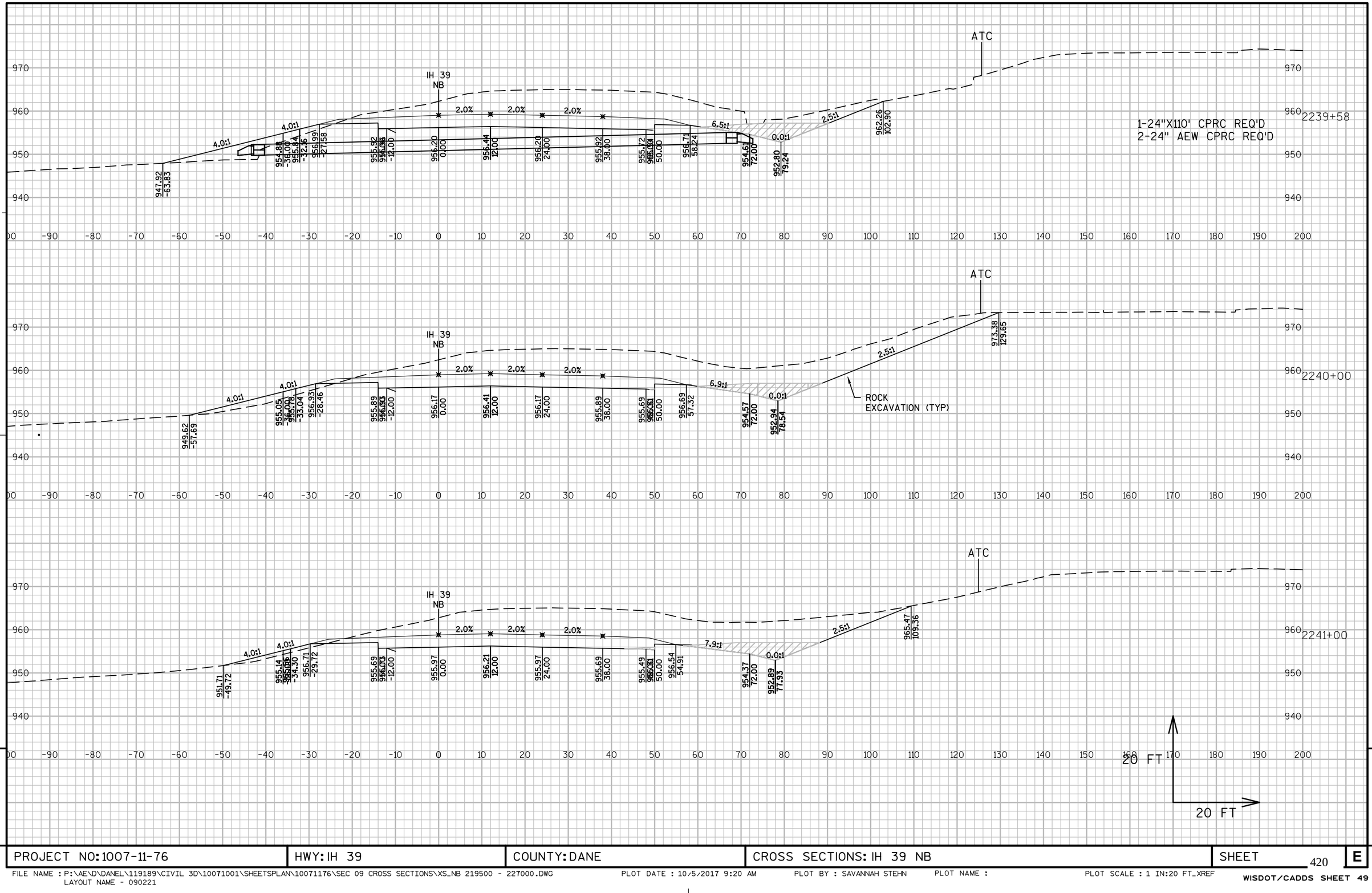


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 419	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090220

PLOT DATE : 10/5/2017 9:20 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49



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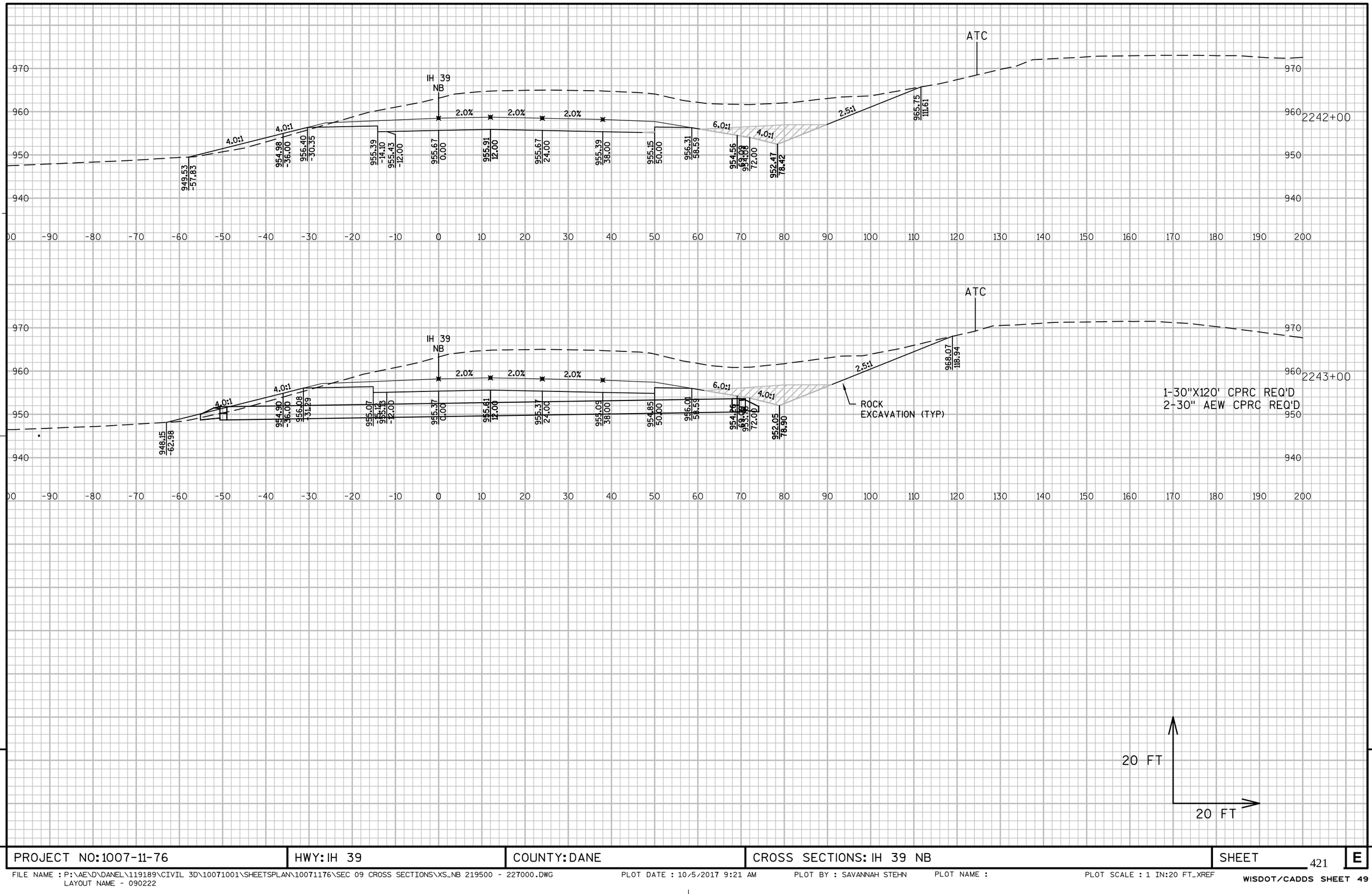
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 420	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090221

PLOT DATE : 10/5/2017 9:20 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49



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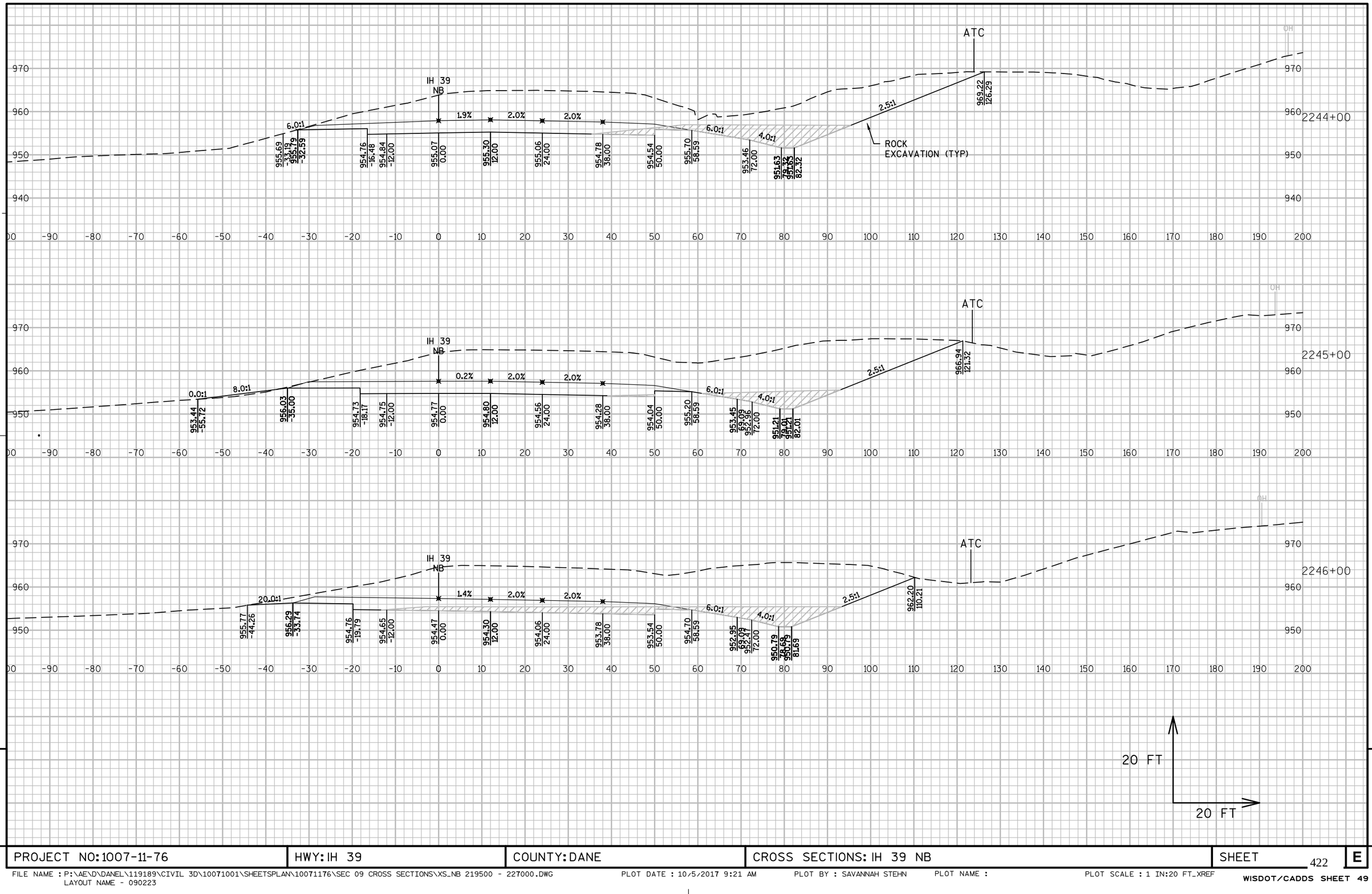
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 421	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090222
PLOT DATE : 10/5/2017 9:21 AM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT_XREF
WISDOT/CADDS SHEET 49



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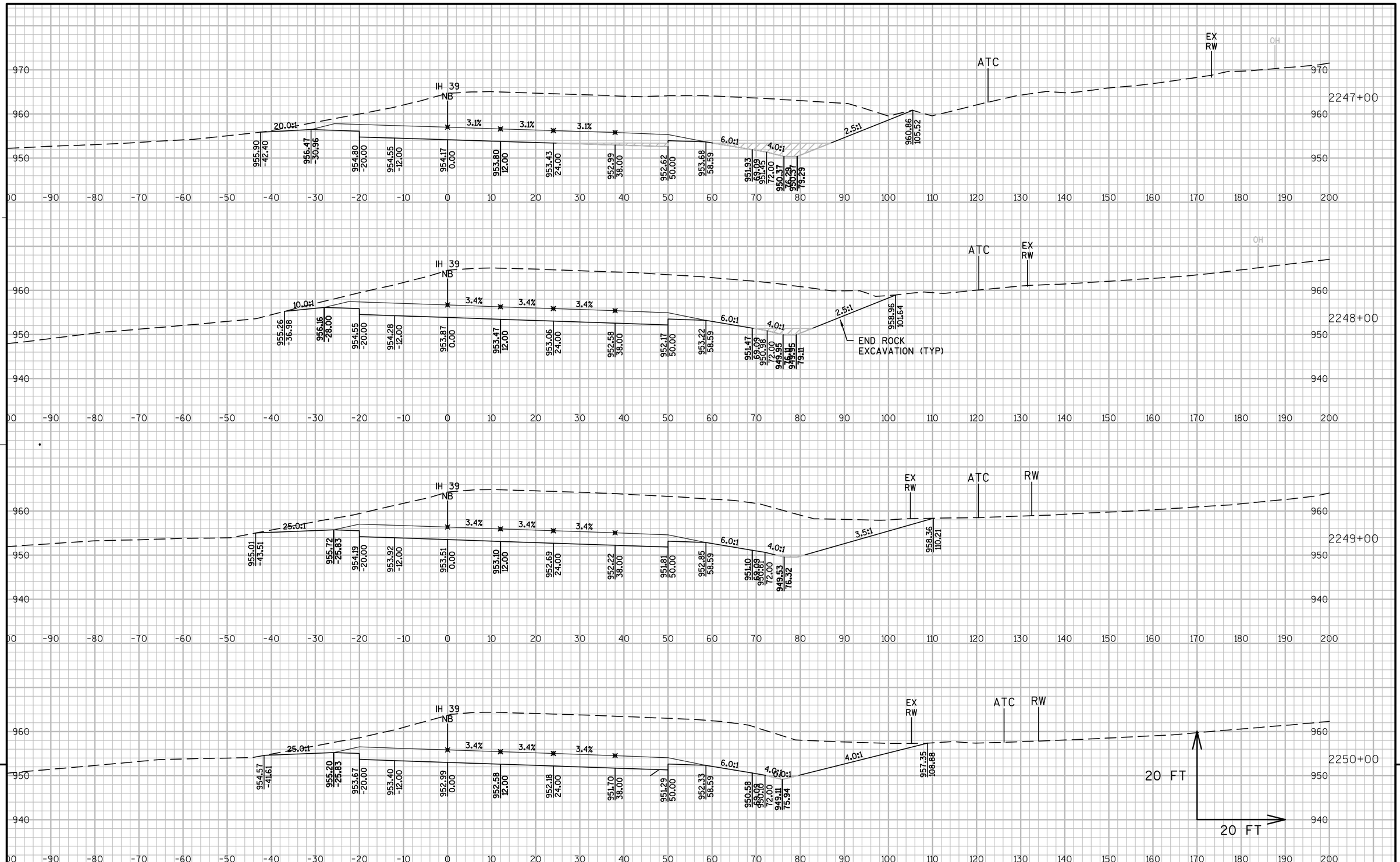
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 422	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090223
PLOT DATE : 10/5/2017 9:21 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF
WISDOT/CADDS SHEET 49

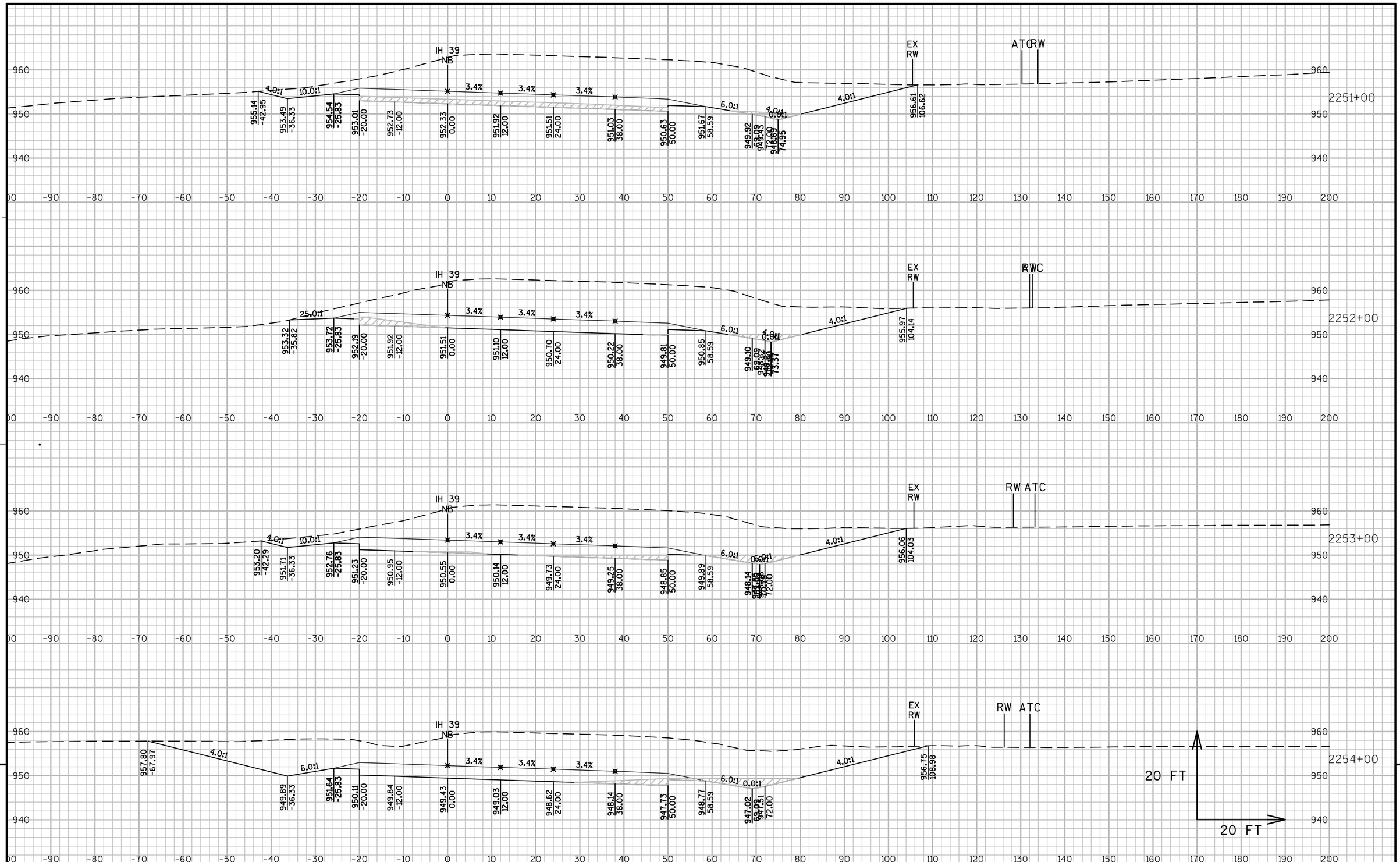


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 423 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090224

PLOT DATE : 10/5/2017 9:22 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49

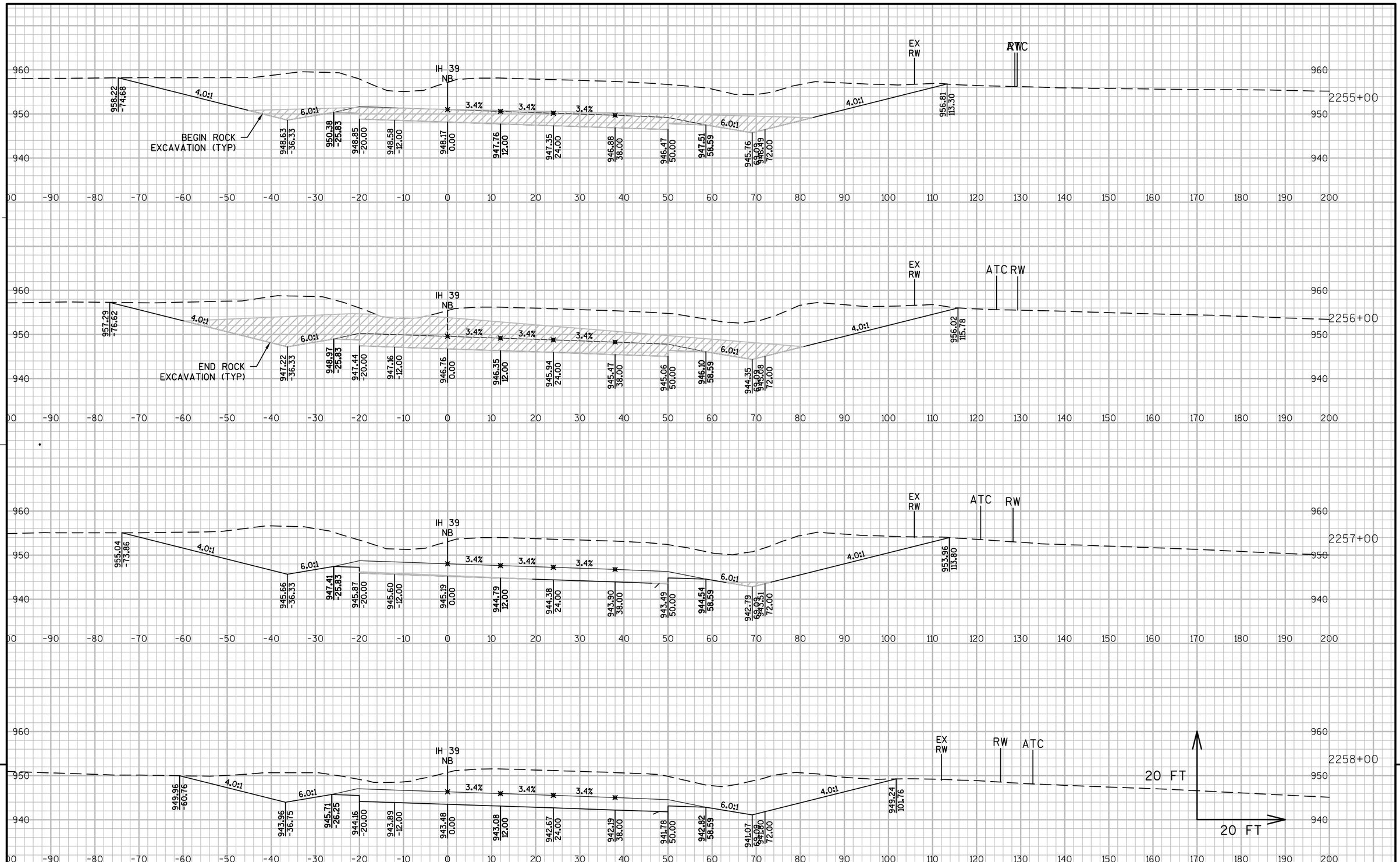


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 424	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090225

PLOT DATE : 10/5/2017 9:22 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49



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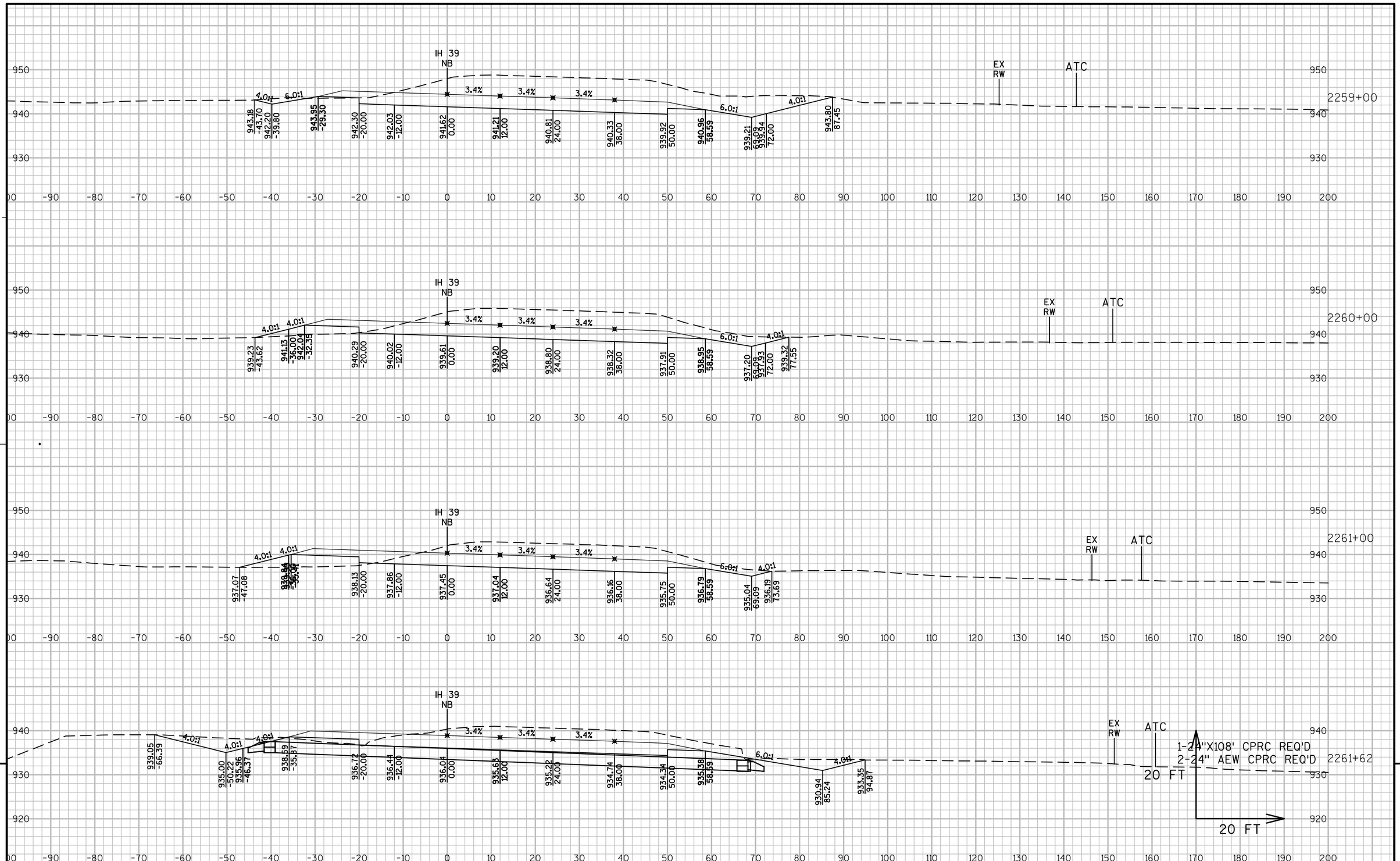
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 425	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090226

PLOT DATE : 10/5/2017 9:23 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49



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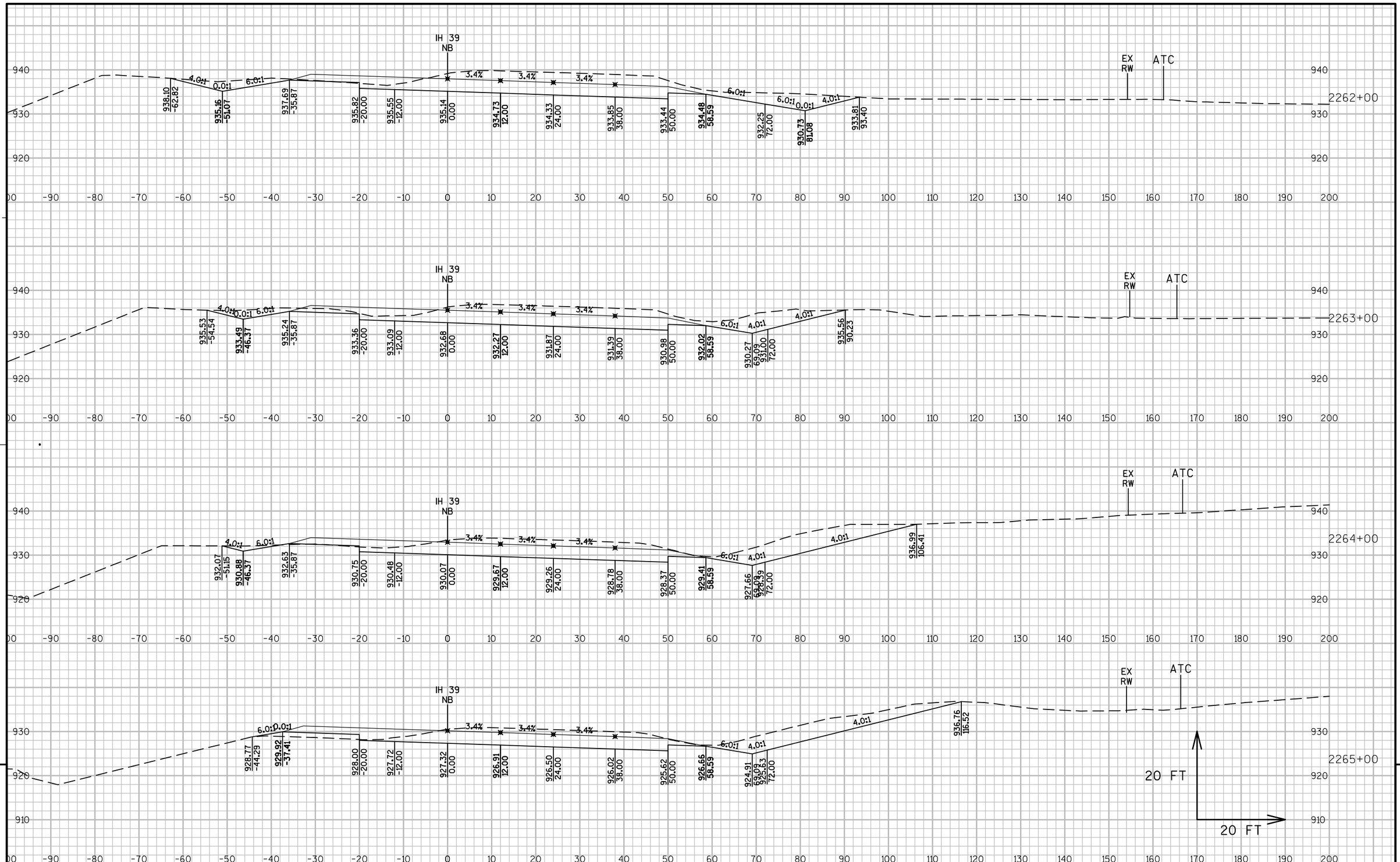
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 426	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090227

PLOT DATE : 10/5/2017 9:23 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49

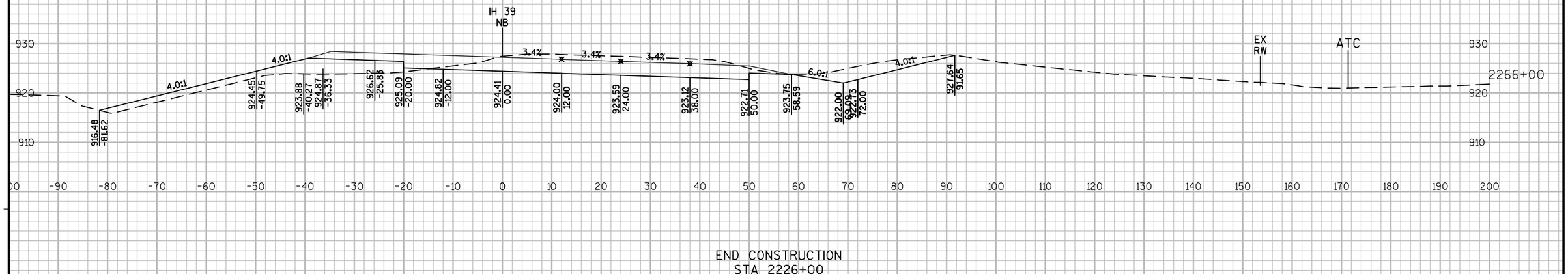


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 427 E

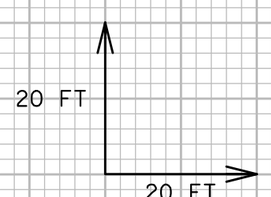
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090228

PLOT DATE : 10/5/2017 9:24 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49



END CONSTRUCTION
STA 2226+00



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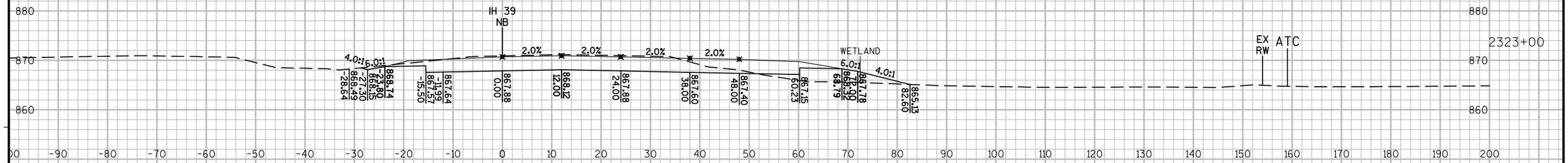
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 428	E

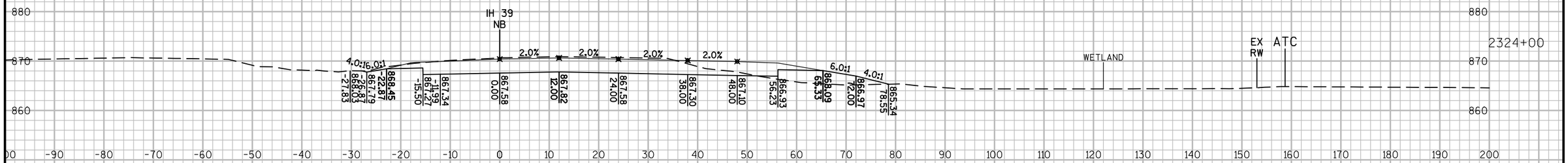
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 219500 - 227000.DWG
LAYOUT NAME - 090229

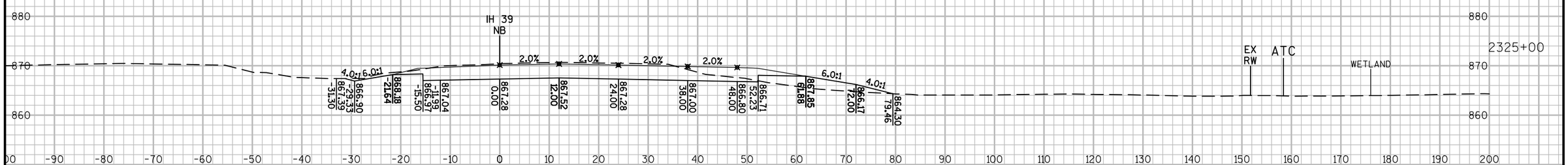
PLOT DATE : 10/5/2017 9:24 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49

BEGIN CONSTRUCTION
STA 2323+00







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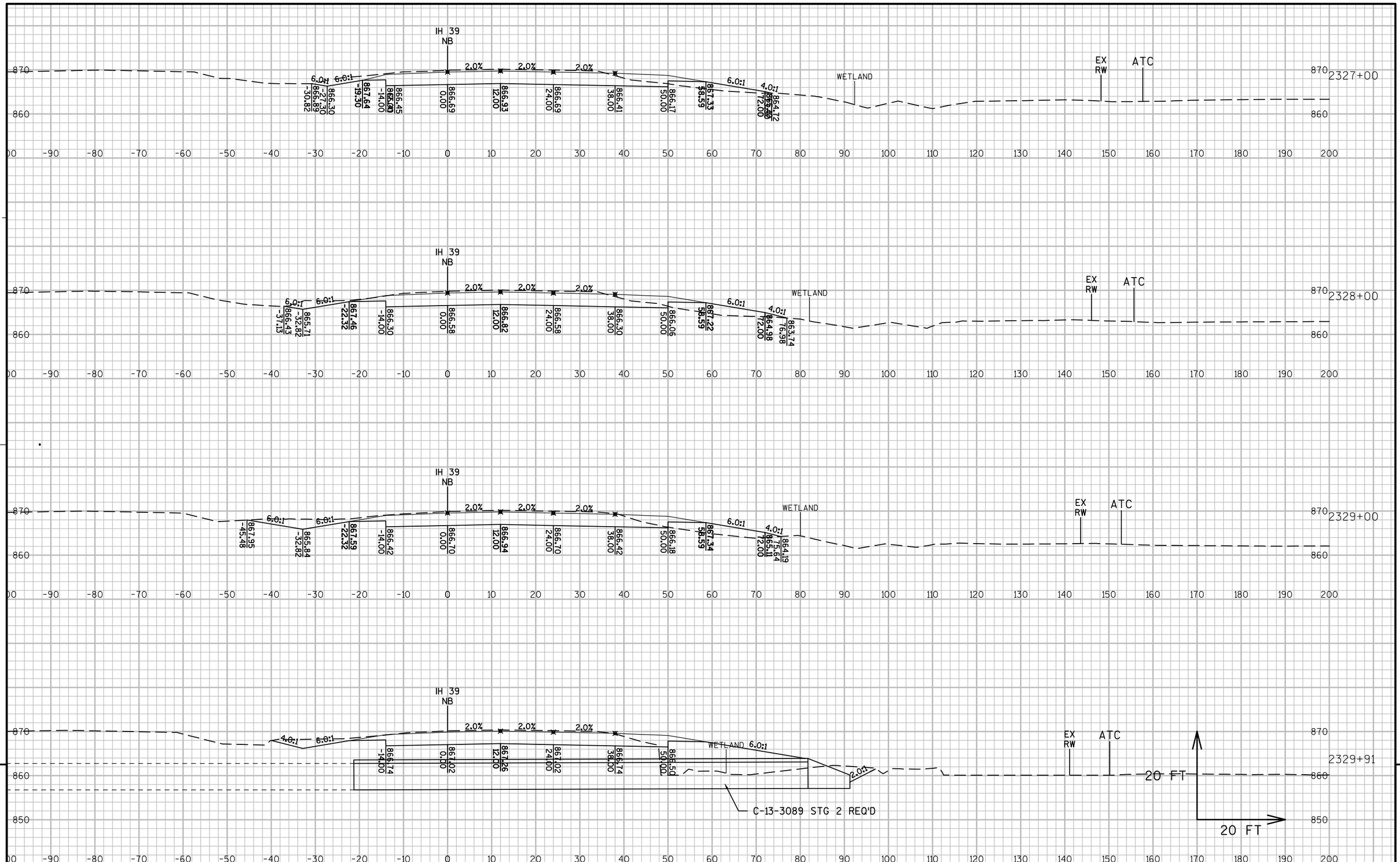
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 429	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 232300 - 233300.DWG
LAYOUT NAME - 09022

PLOT DATE : 7/28/2017 4:51 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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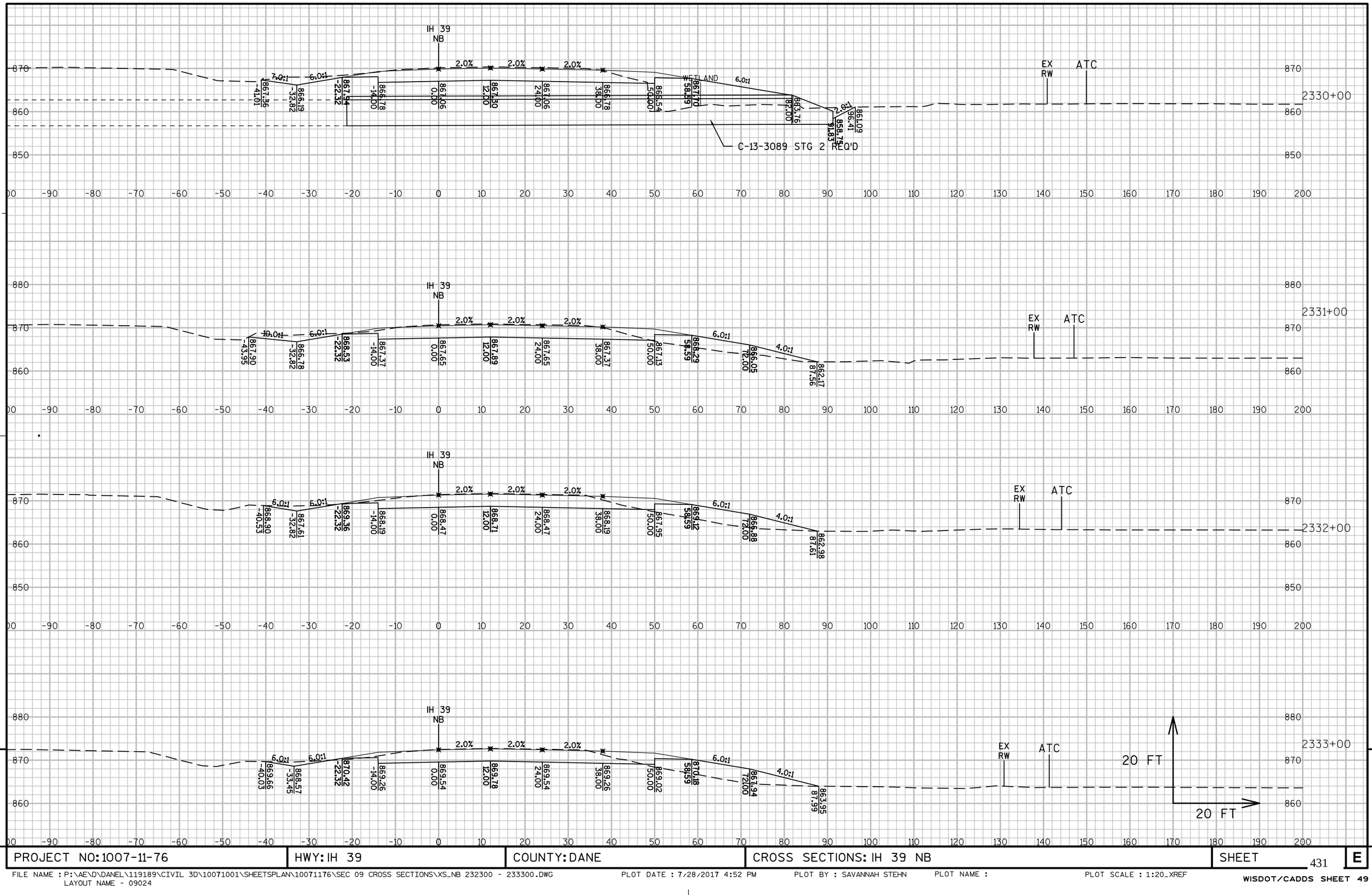
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 430	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 232300 - 233300.DWG
LAYOUT NAME - 09023
PLOT DATE : 7/28/2017 4:51 PM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



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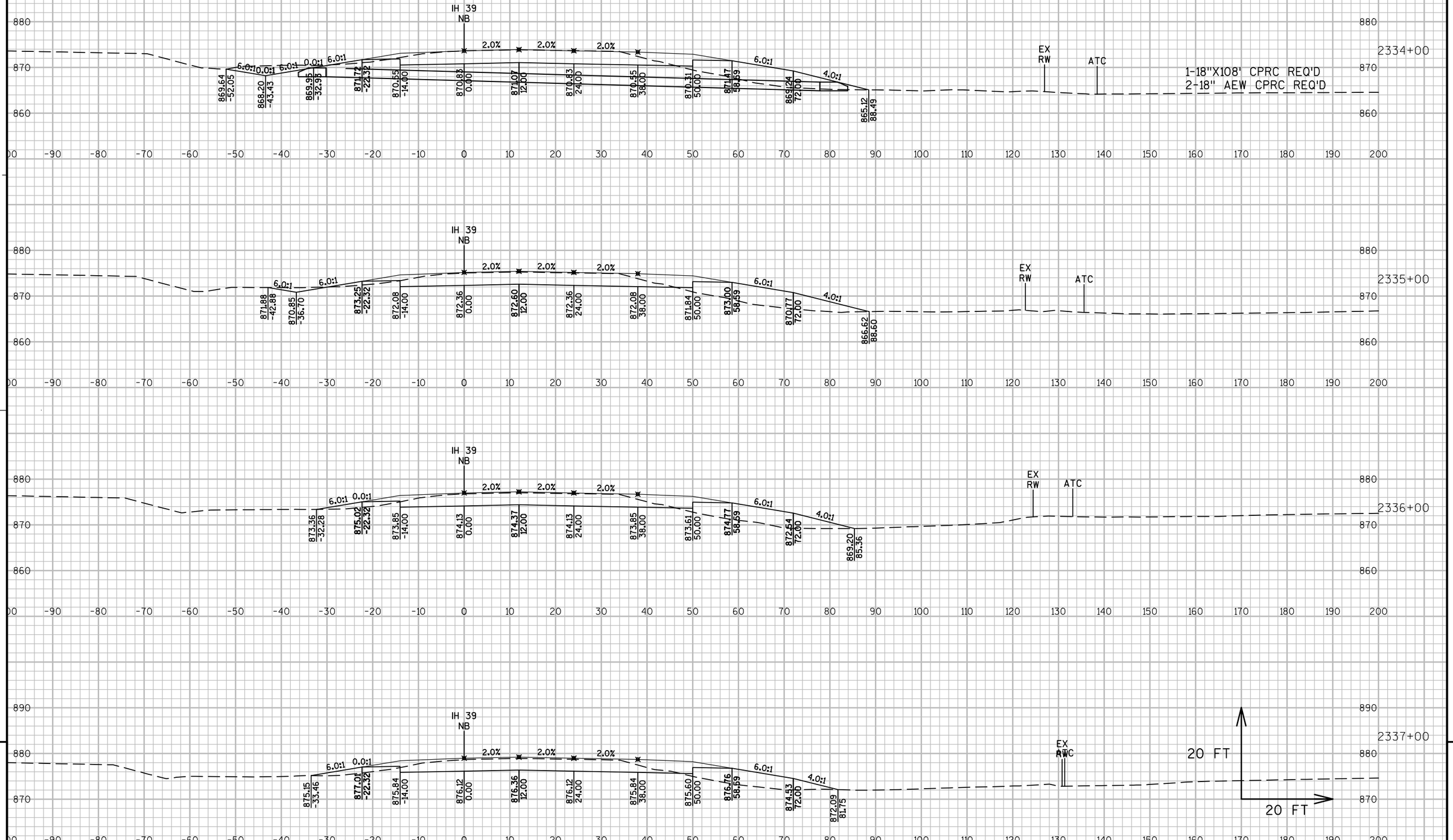
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 431	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 232300 - 233300.DWG
LAYOUT NAME - 09024

PLOT DATE : 7/28/2017 4:52 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

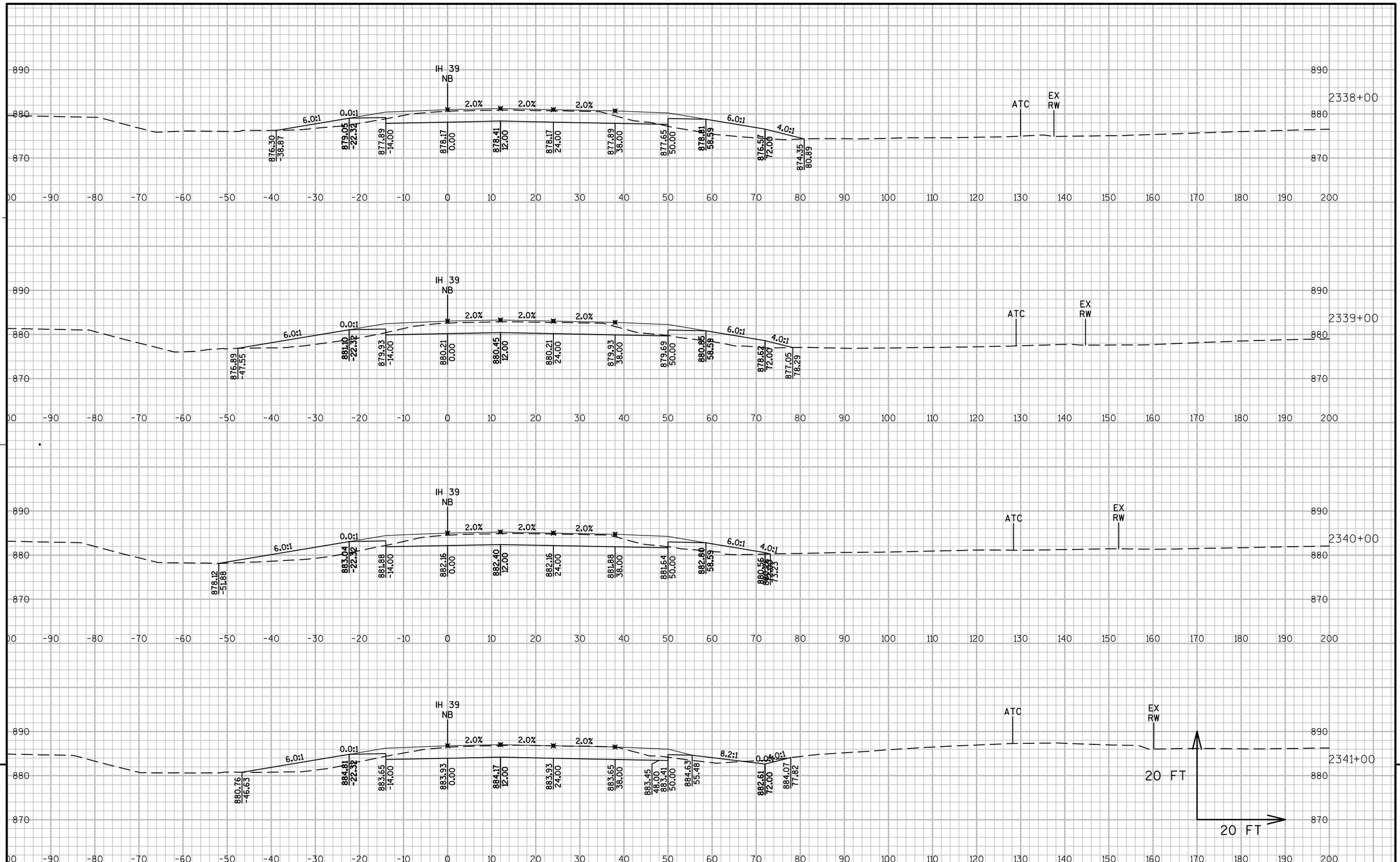


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 432 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 233300 - CTH MN.DWG
LAYOUT NAME - 09021_XS

PLOT DATE : 10/5/2017 3:57 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49



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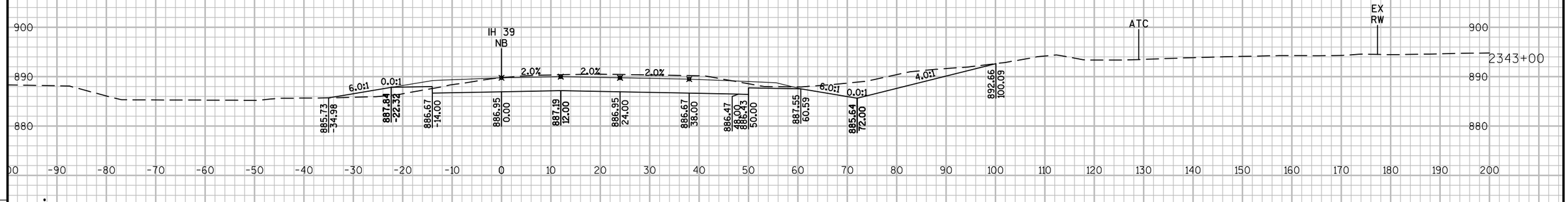
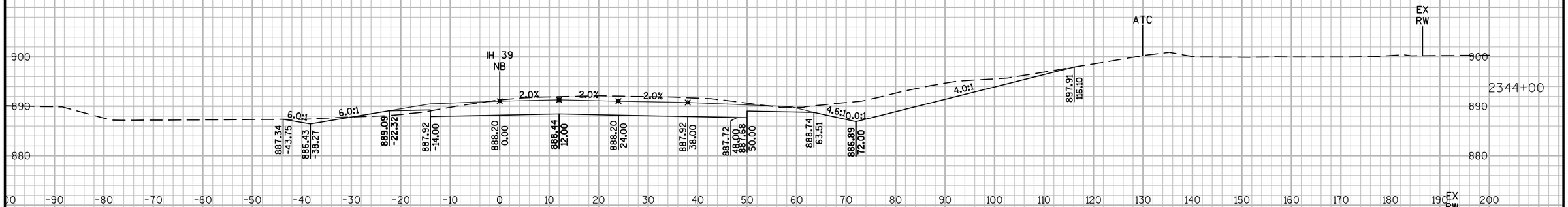
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 433	E

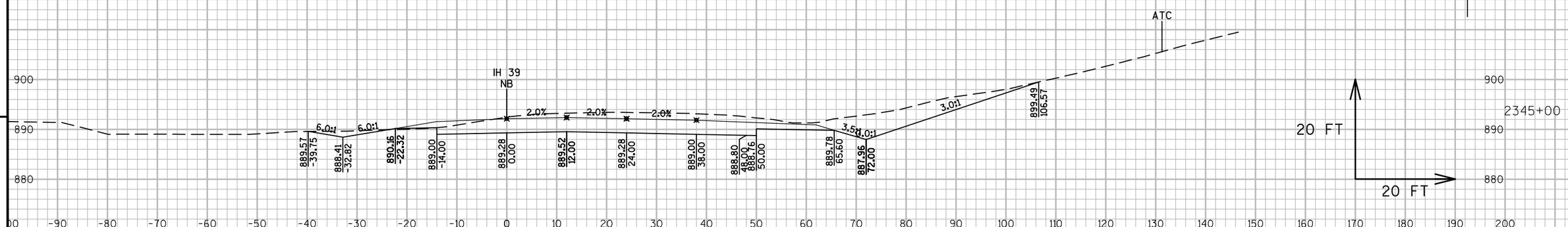
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 233300 - CTH MN.DWG
LAYOUT NAME - 09022_XS

PLOT DATE : 10/5/2017 3:57 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49





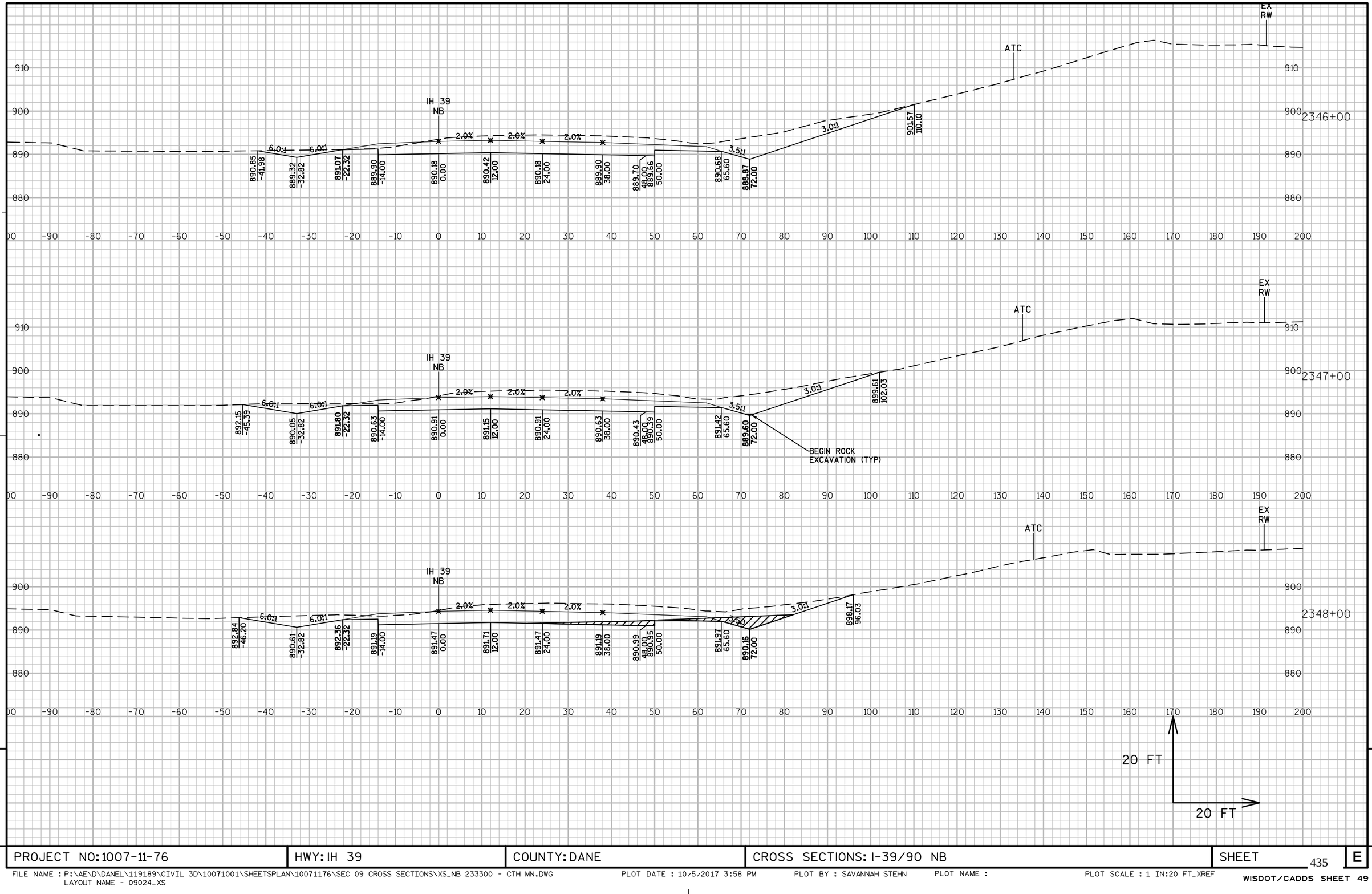


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 434	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 233300 - CTH MN.DWG
LAYOUT NAME - 09023_XS

PLOT DATE : 10/5/2017 3:57 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49

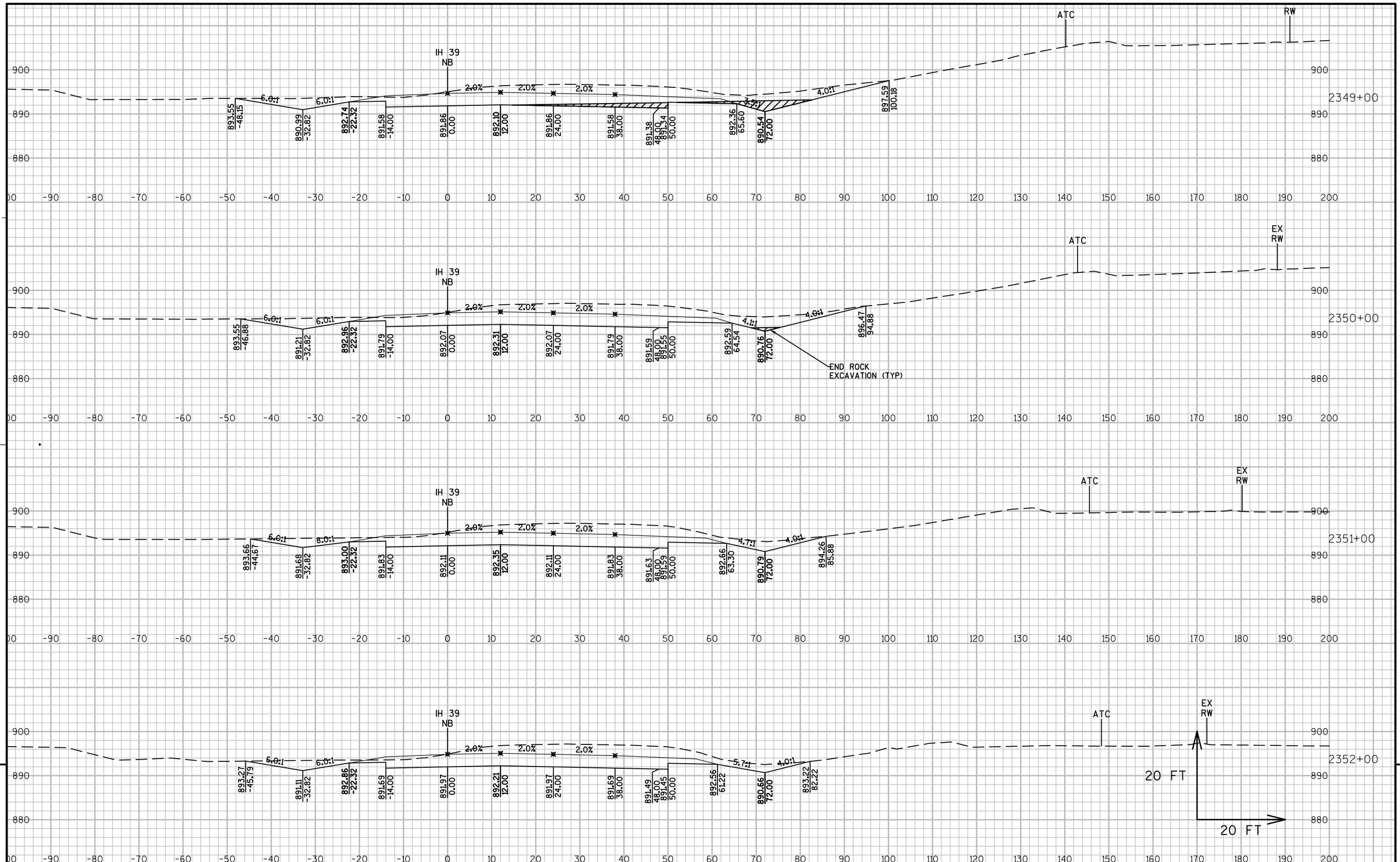


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 435	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 233300 - CTH MN.DWG
LAYOUT NAME - 09024_XS

PLOT DATE : 10/5/2017 3:58 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49



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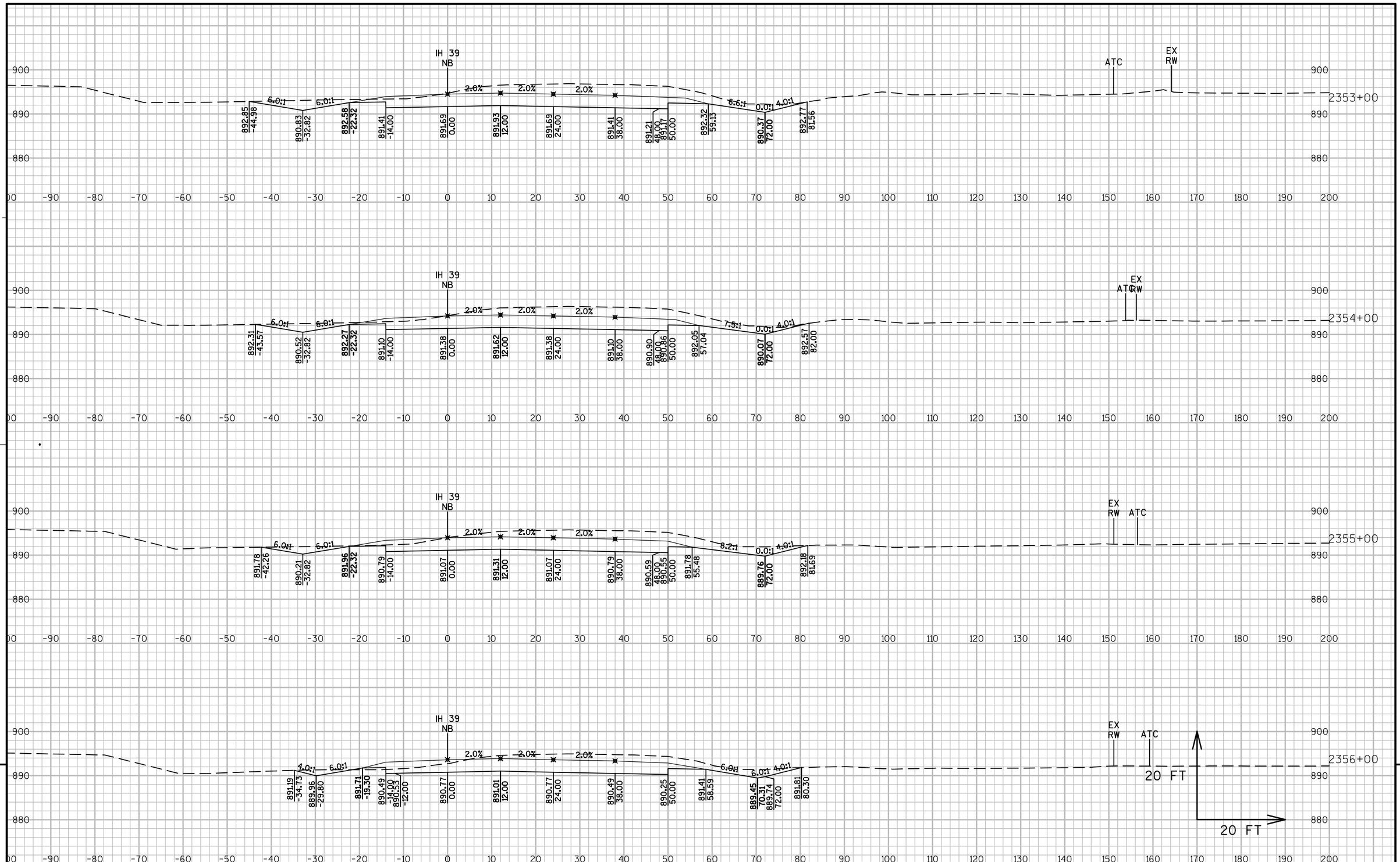
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 436	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 233300 - CTH MN.DWG
LAYOUT NAME - 09025_XS
PLOT DATE : 10/5/2017 3:58 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF
WISDOT/CADDS SHEET 49



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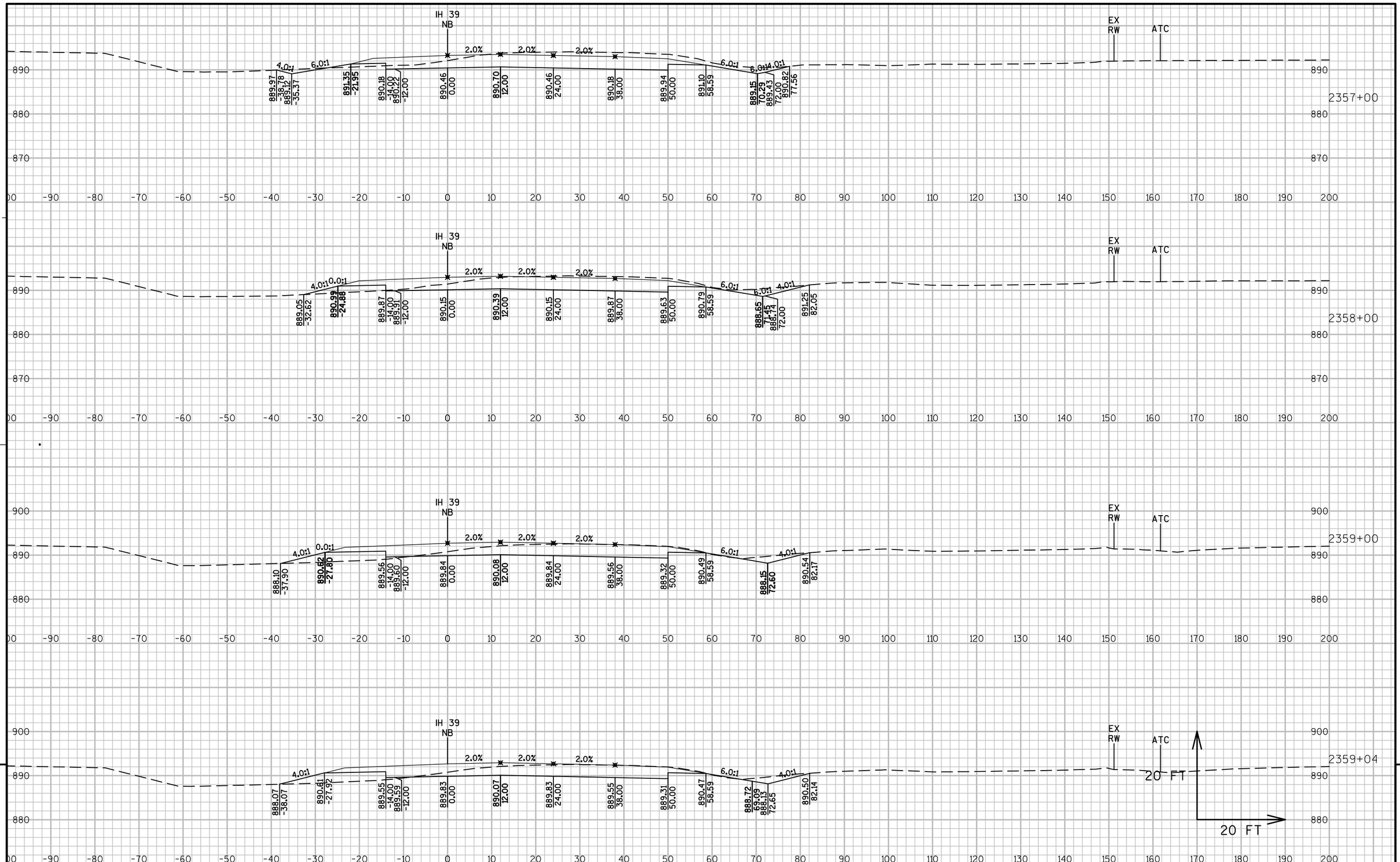
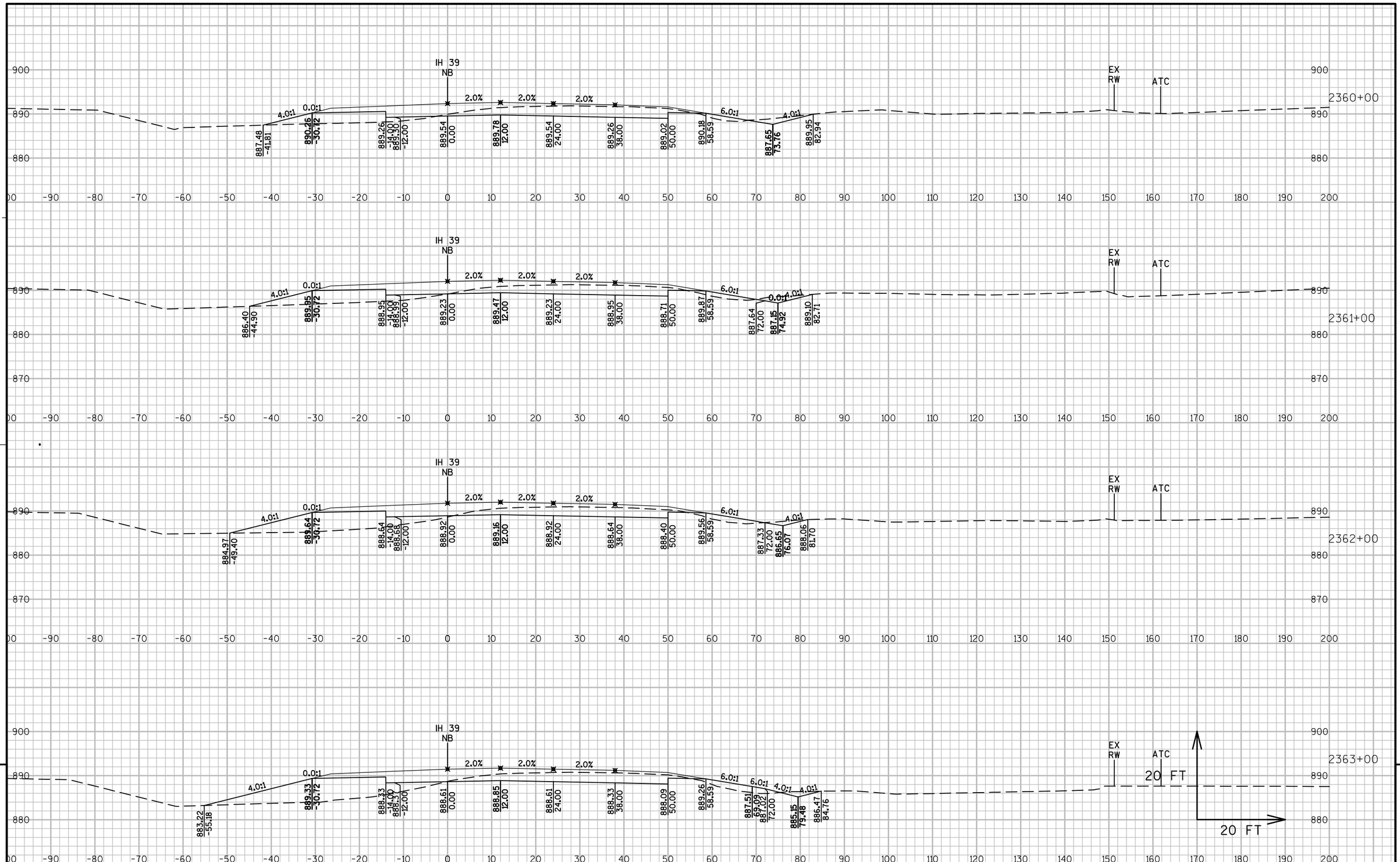
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 437	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 233300 - CTH MN.DWG
LAYOUT NAME - 09026_XS
PLOT DATE : 10/5/2017 3:58 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 438 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 233300 - CTH MN.DWG
LAYOUT NAME - 09027_XS
PLOT DATE : 10/5/2017 3:59 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF
WISDOT/CADDS SHEET 49

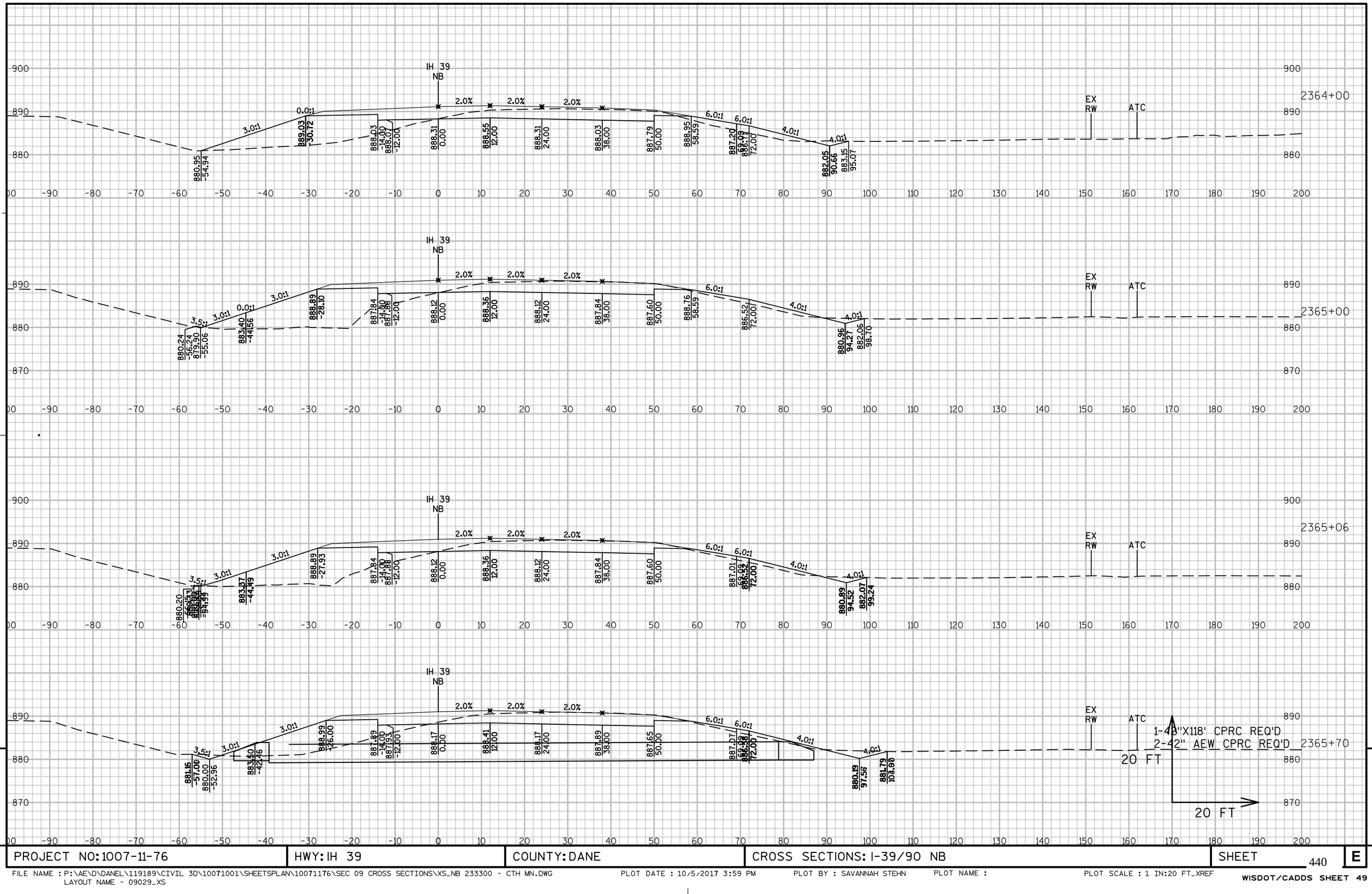


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 439	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 233300 - CTH MN.DWG
LAYOUT NAME - 09028_XS

PLOT DATE : 10/5/2017 3:59 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49

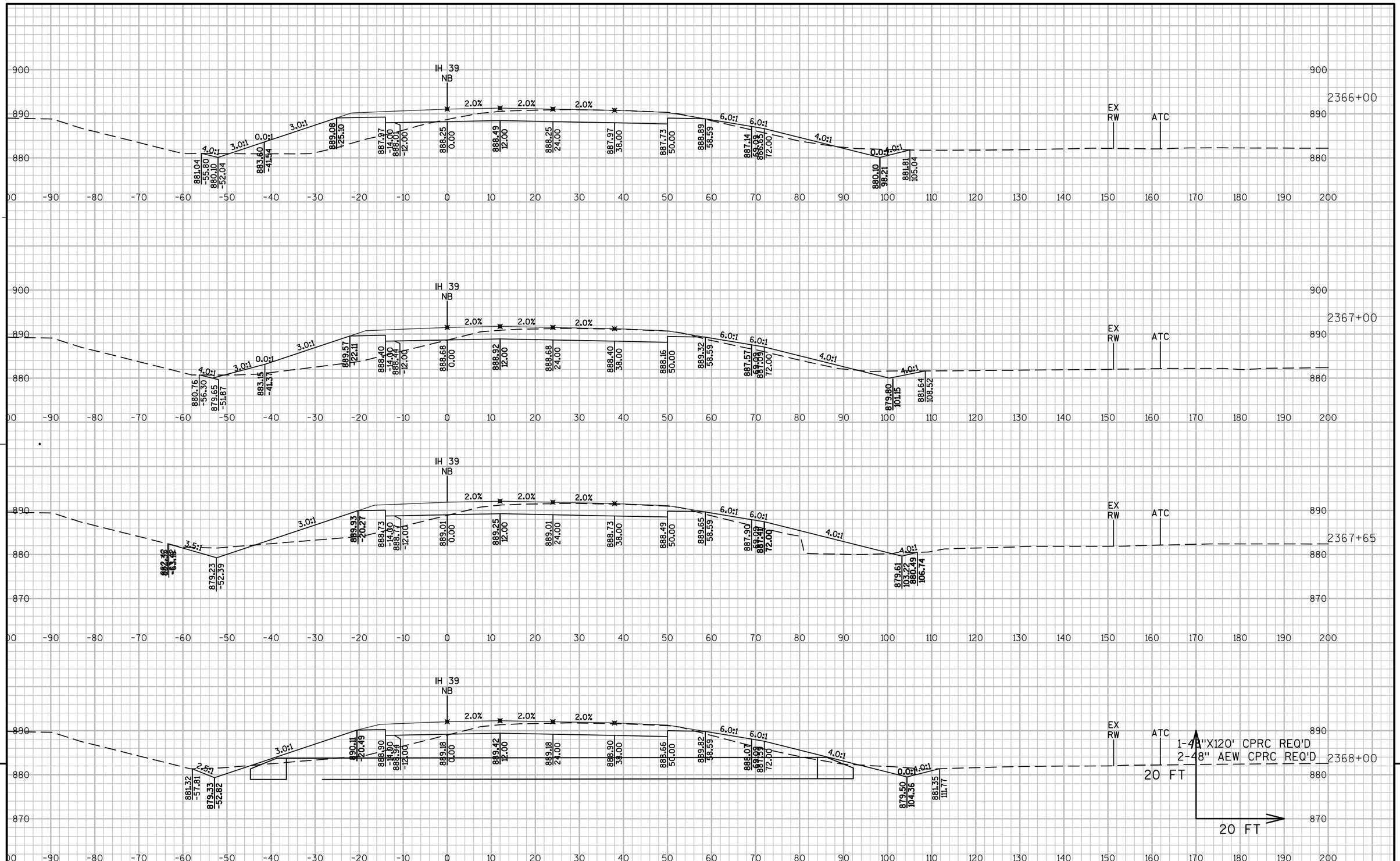


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 440	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 233300 - CTH MN.DWG
LAYOUT NAME - 09029_XS

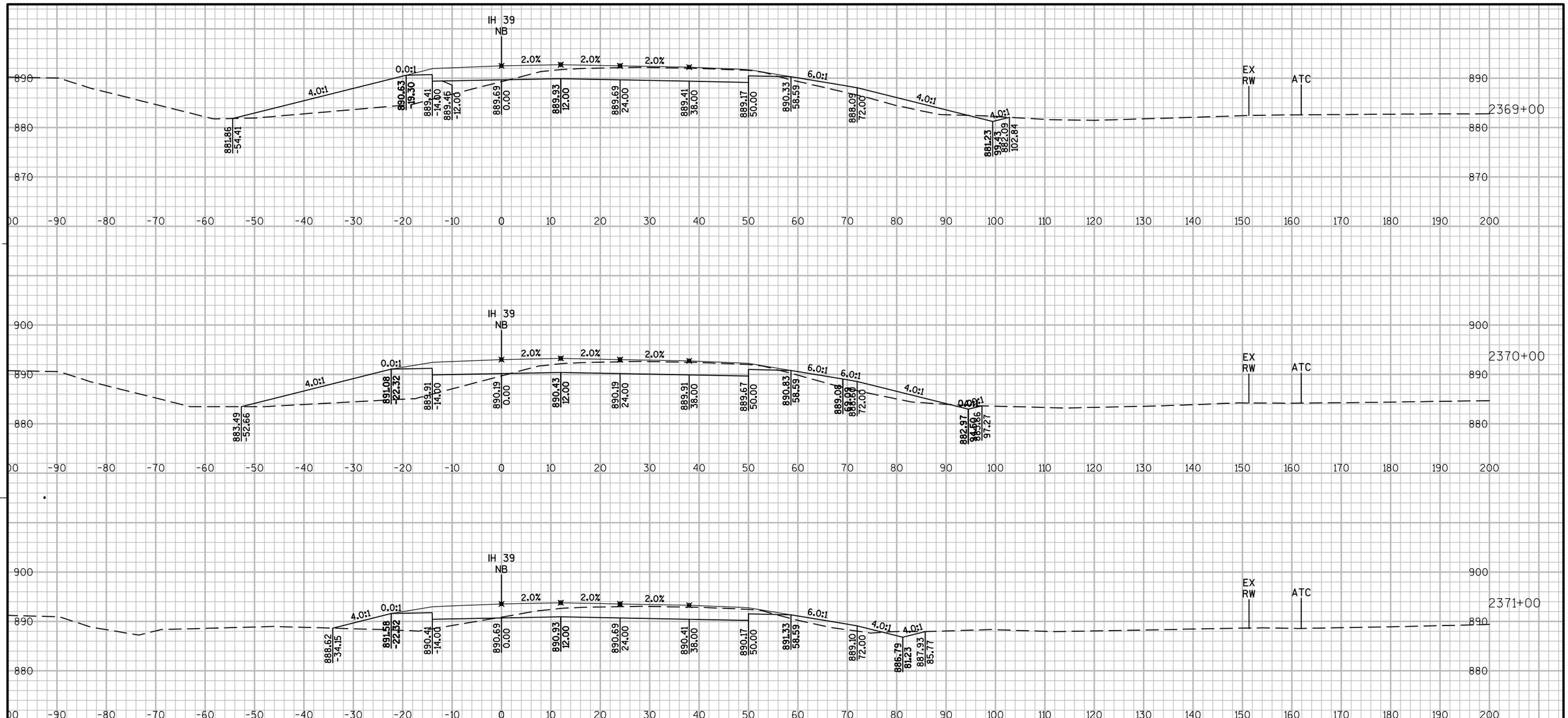
PLOT DATE : 10/5/2017 3:59 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 441	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 233300 - CTH MN.DWG
LAYOUT NAME - 090210_XS
PLOT DATE : 10/5/2017 4:00 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF
WISDOT/CADDS SHEET 49

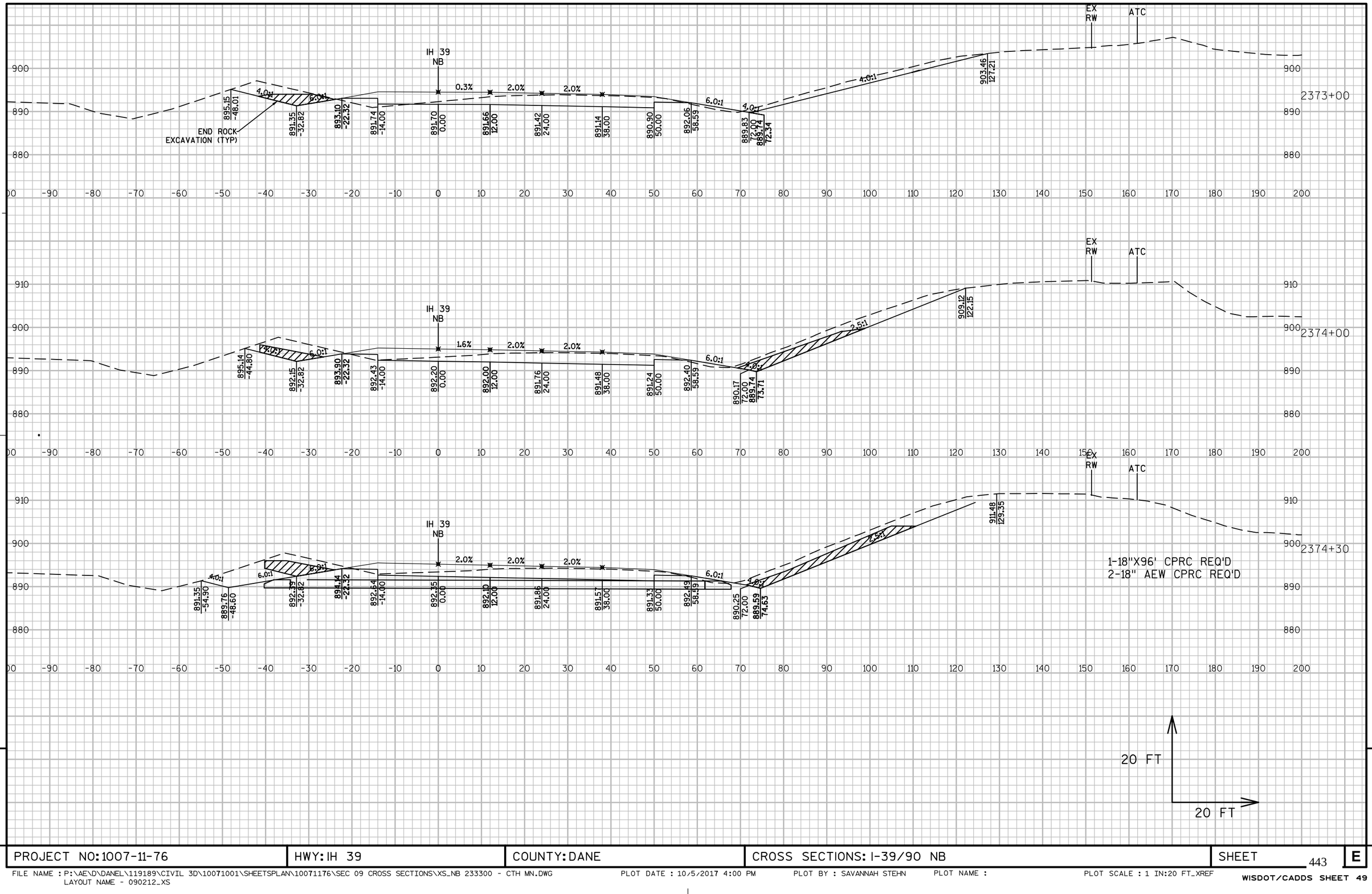


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 442 E

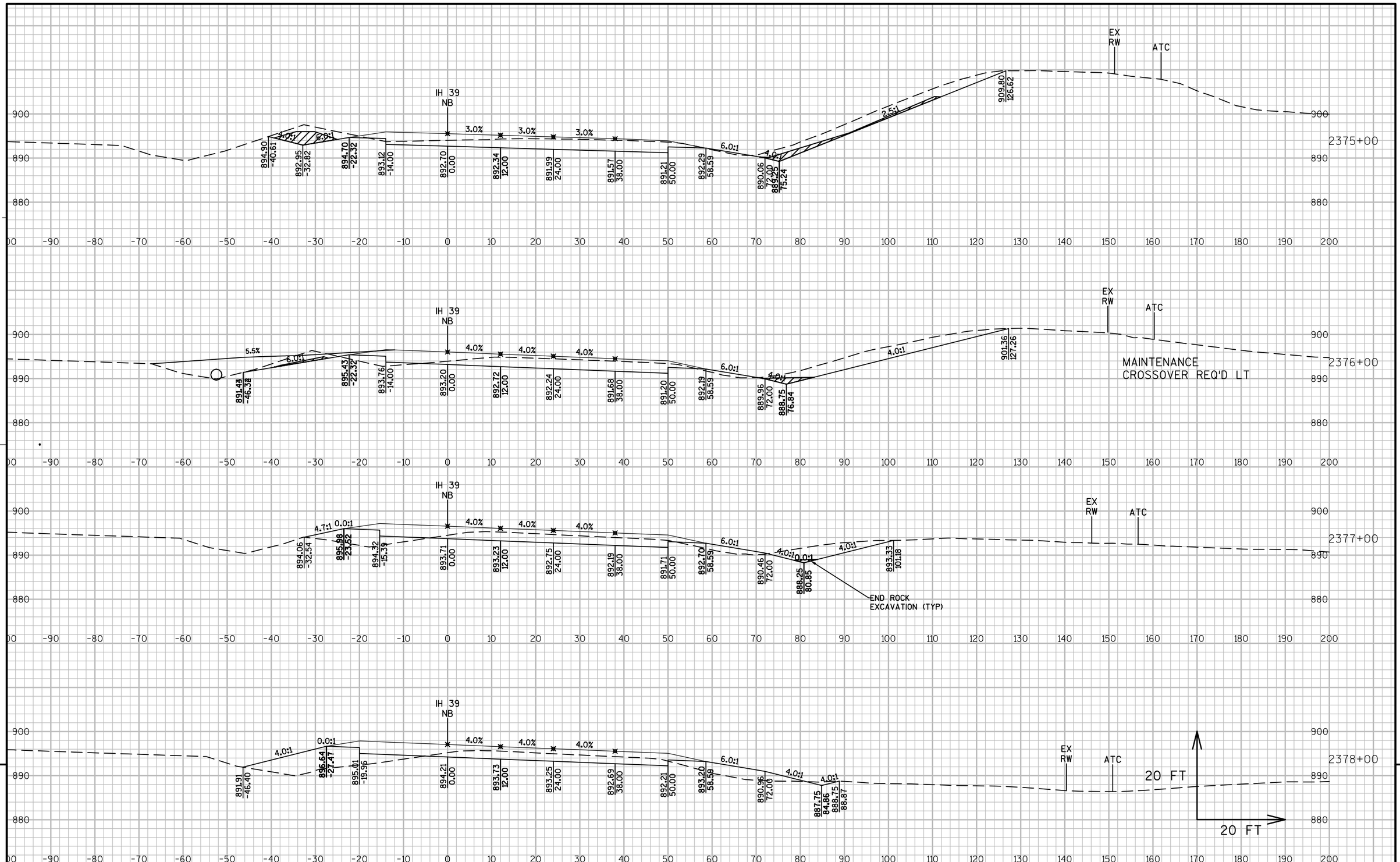
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 233300 - CTH MN.DWG
LAYOUT NAME - 090211_XS

PLOT DATE : 10/5/2017 4:00 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 443	E



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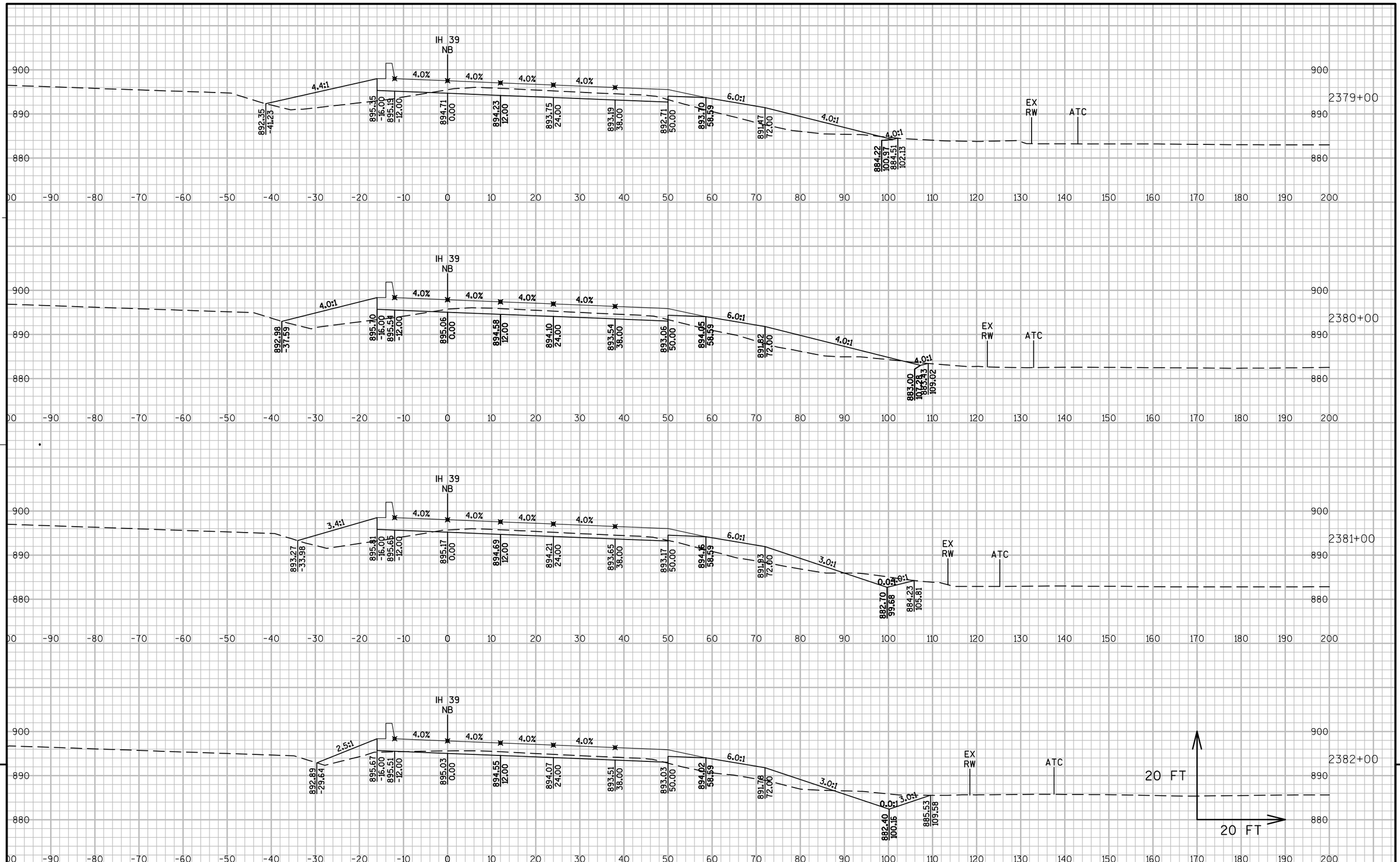
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 444	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 233300 - CTH MN.DWG
LAYOUT NAME - 090213_XS

PLOT DATE : 10/5/2017 4:00 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF



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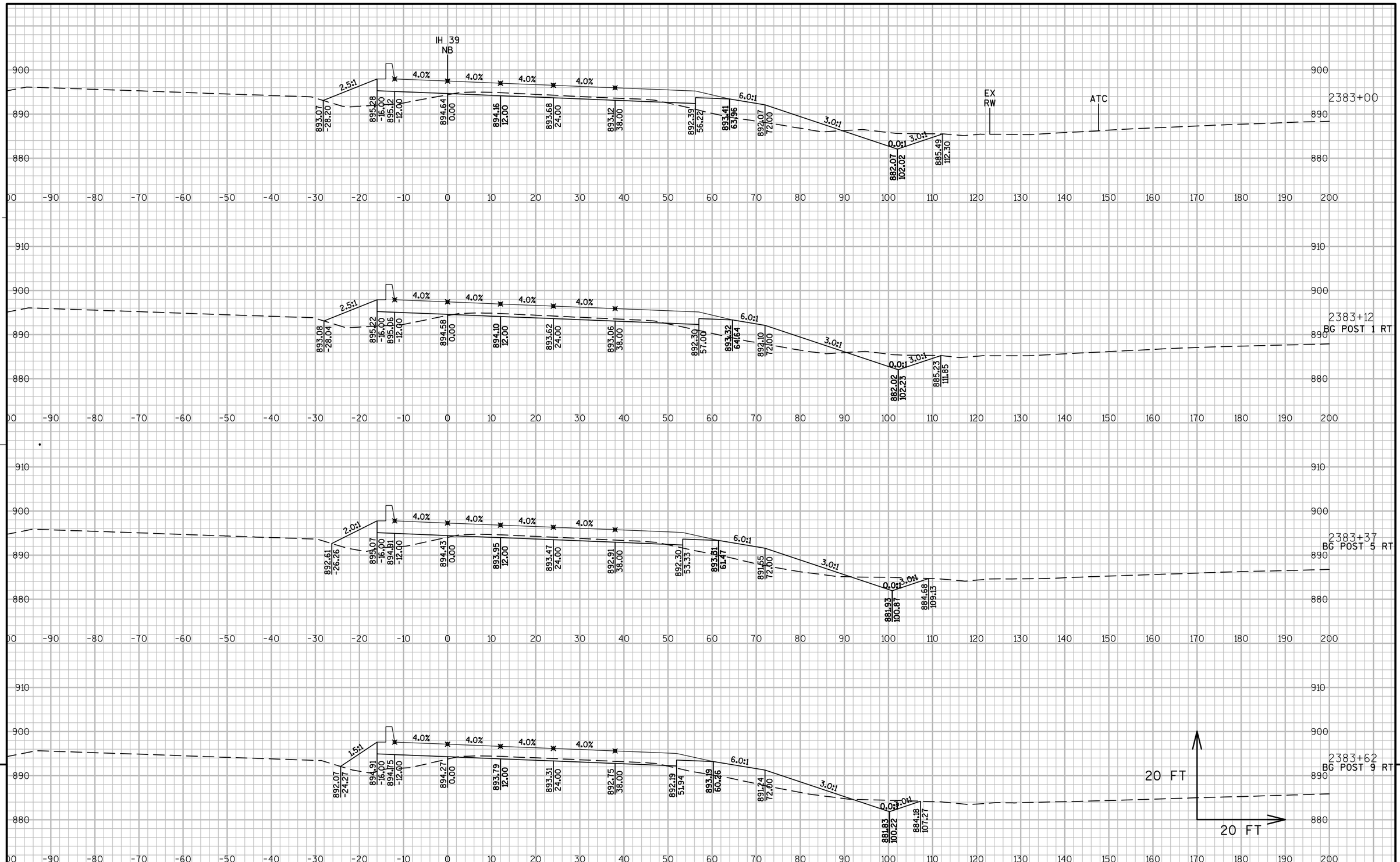
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 445	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 233300 - CTH MN.DWG
LAYOUT NAME - 090214_XS
PLOT DATE : 10/5/2017 4:01 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF
WISDOT/CADDS SHEET 49



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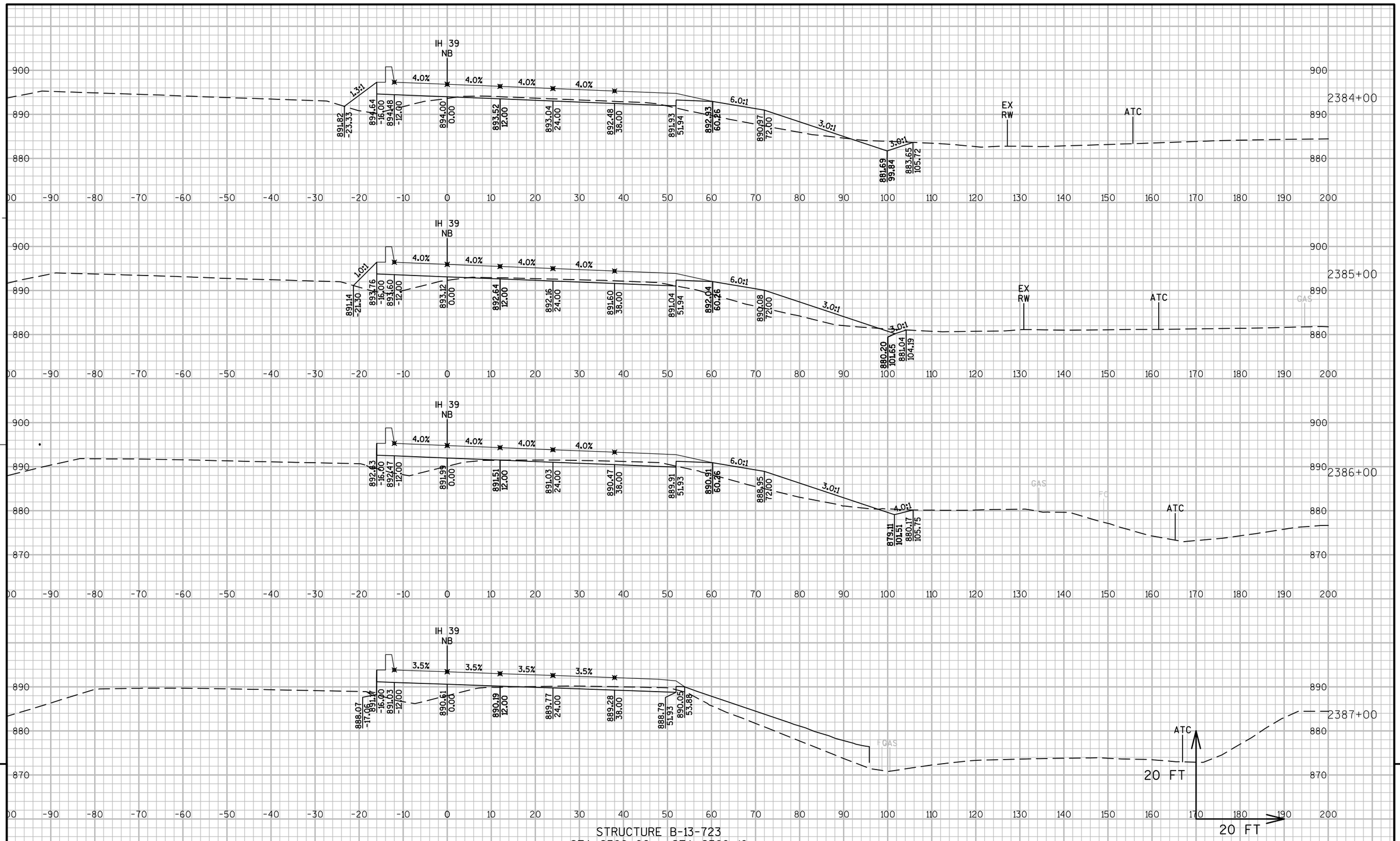
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 446 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 233300 - CTH MN.DWG
LAYOUT NAME - 090214_XS
PLOT DATE : 10/5/2017 4:01 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_XREF
WISDOT/CADDS SHEET 49



STRUCTURE B-13-723
STA 2388+06 - STA 2389+19

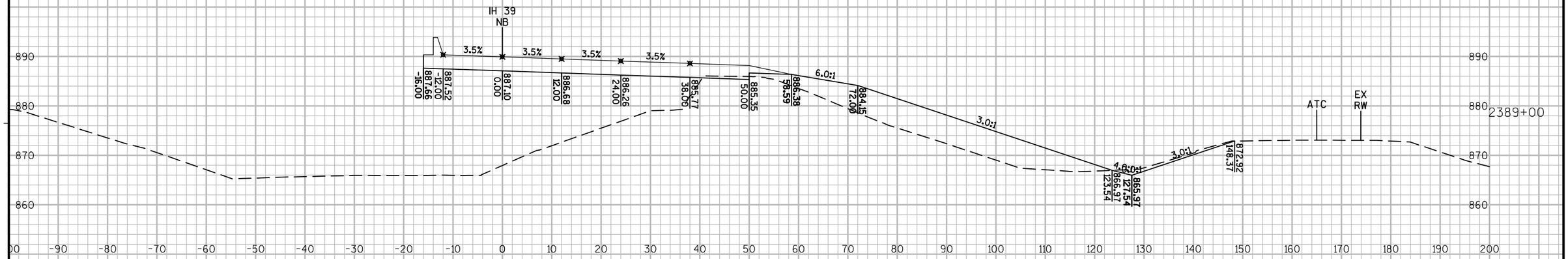
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: I-39/90 NB	SHEET 447	E

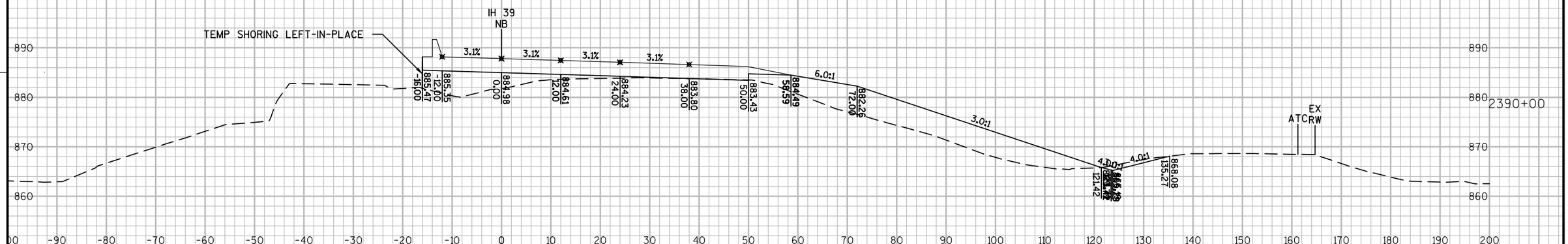
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB 233300 - CTH MN.DWG
LAYOUT NAME - 090214_XS

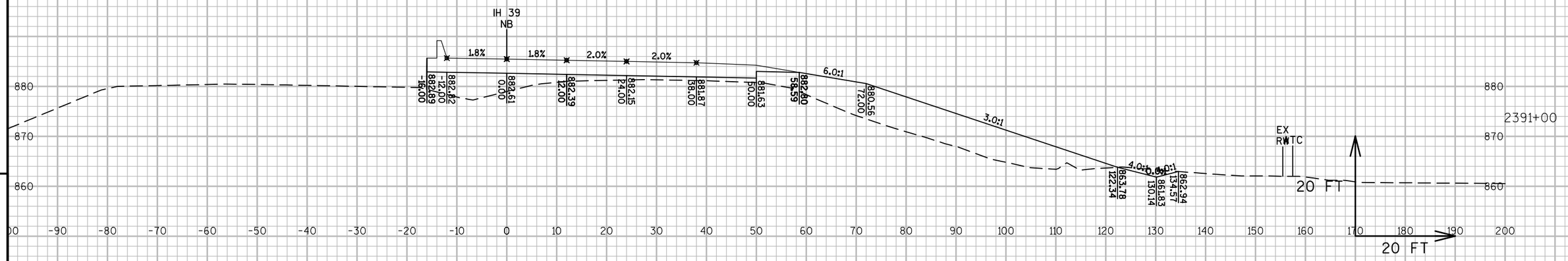
PLOT DATE : 10/5/2017 4:01 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 0.050003

WISDOT/CADDS SHEET 49

STRUCTURE B-13-723
STA 2388+06 - STA 2389+19







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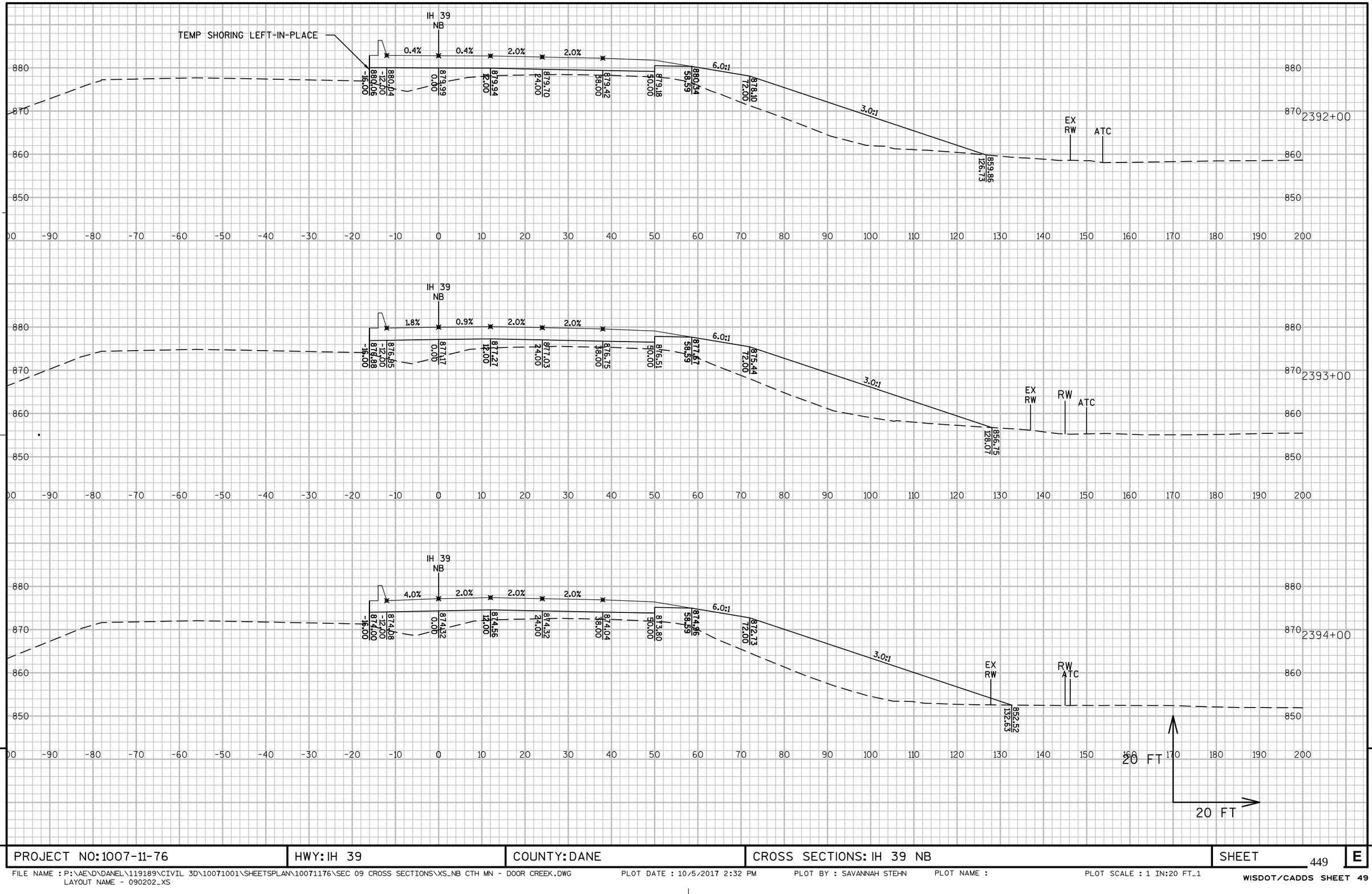
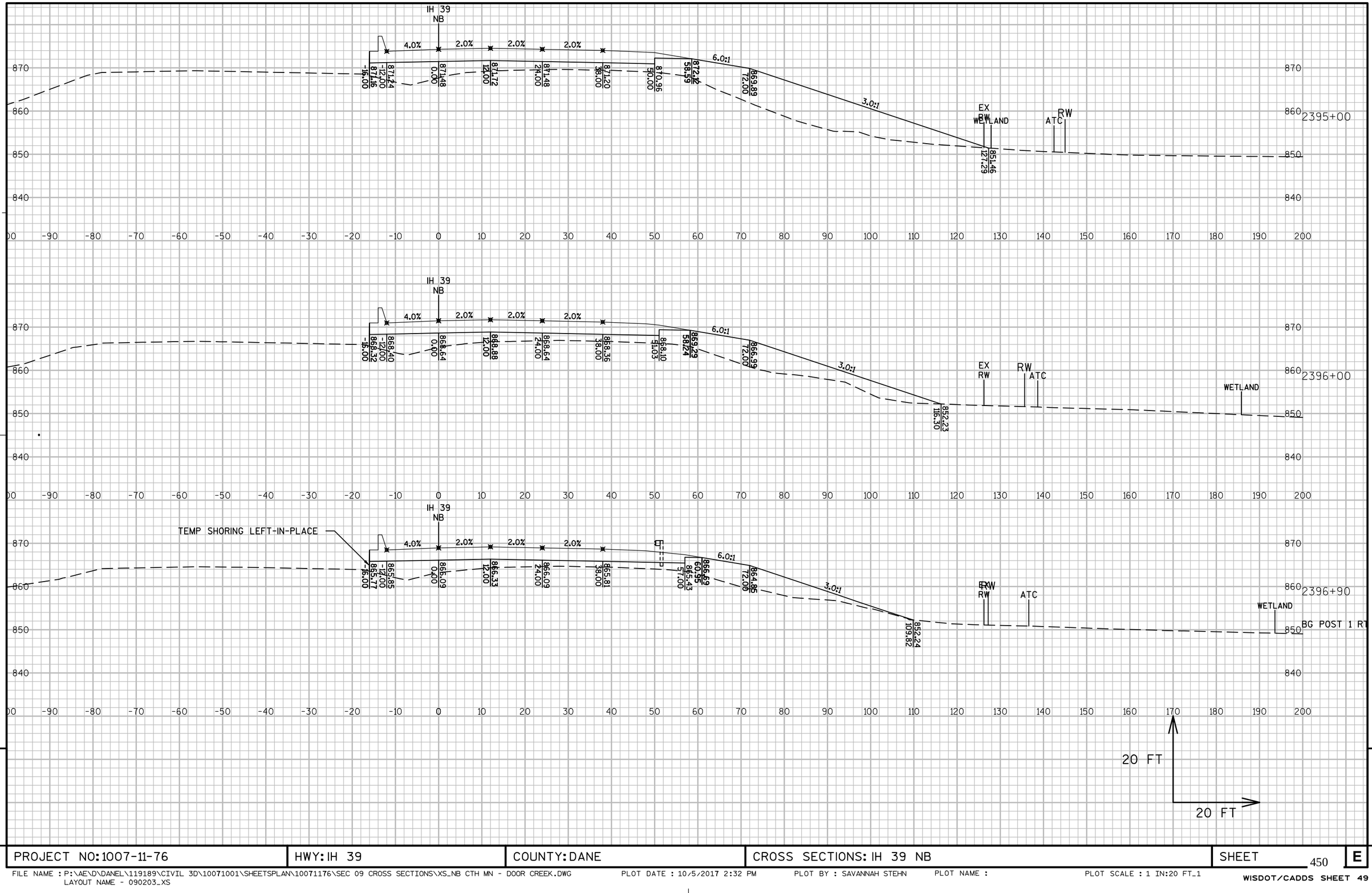
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 448	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB CTH MN - DOOR CREEK.DWG
LAYOUT NAME - 090201_XS
PLOT DATE : 10/5/2017 2:32 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 449	E

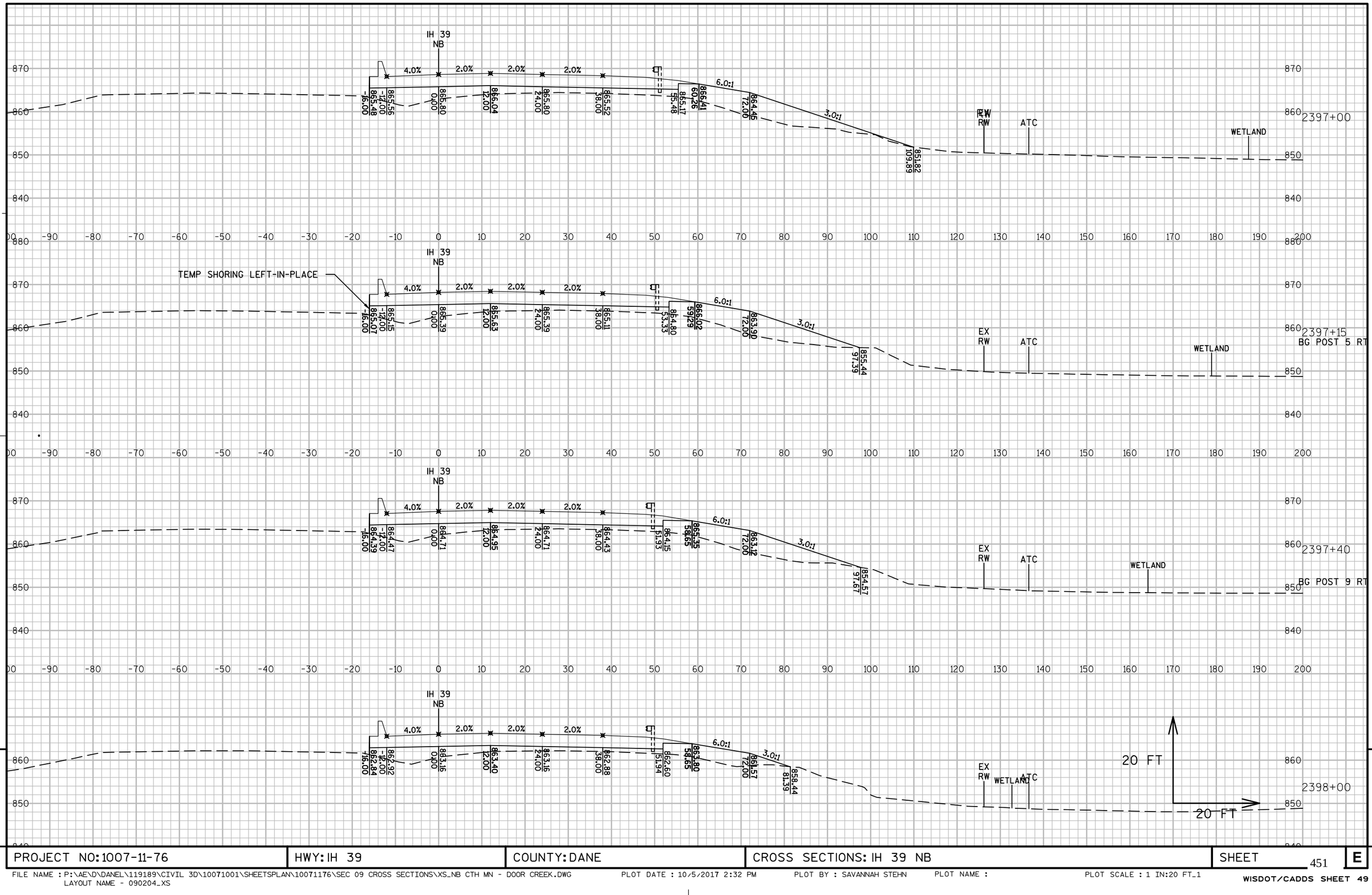
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB CTH MN - DOOR CREEK.DWG
LAYOUT NAME - 090202_XS
PLOT DATE : 10/5/2017 2:32 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_1



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 450	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB CTH MN - DOOR CREEK.DWG
LAYOUT NAME - 090203_XS
PLOT DATE : 10/5/2017 2:32 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_1

WISDOT/CADDS SHEET 49



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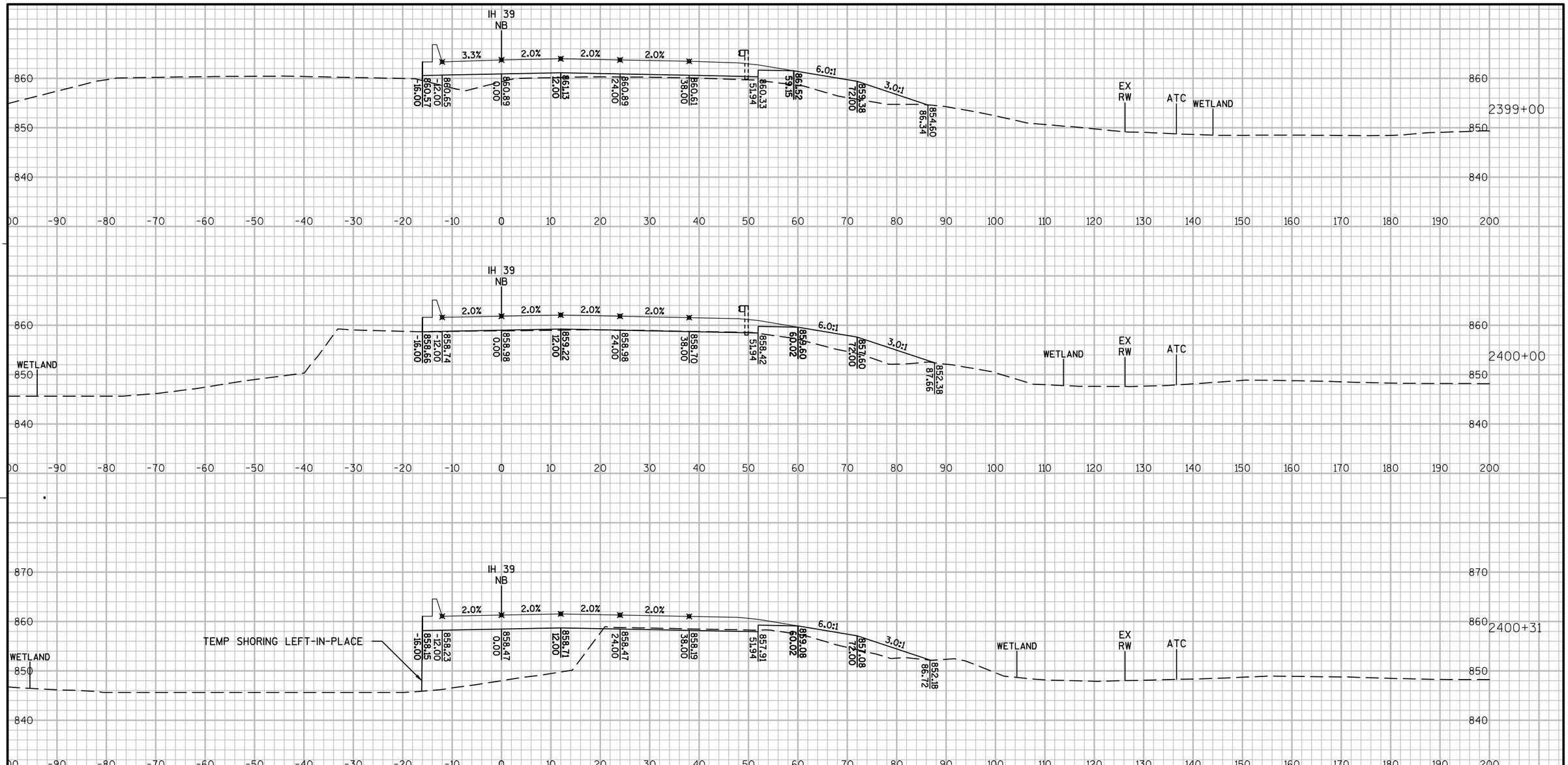
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 451	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB CTH MN - DOOR CREEK.DWG
LAYOUT NAME - 090204_XS

PLOT DATE : 10/5/2017 2:32 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_1

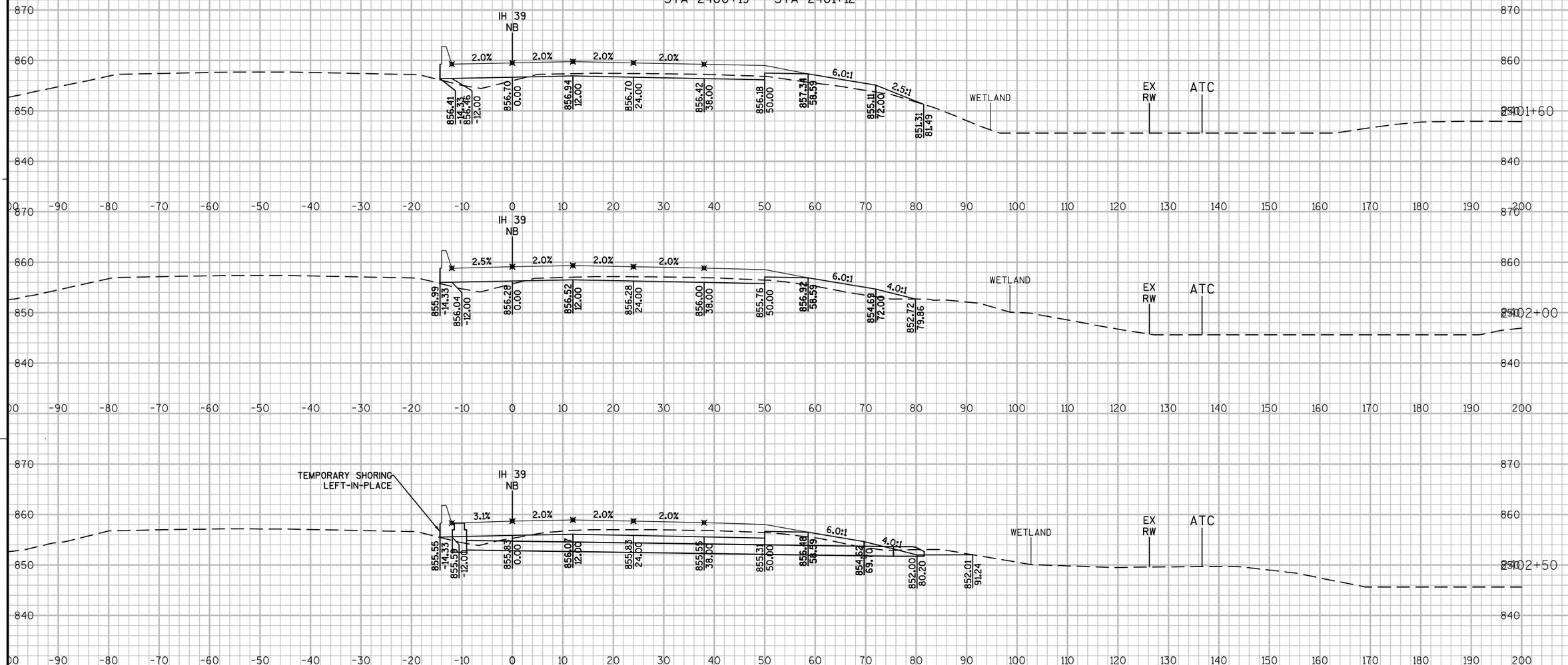
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 452	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB CTH MN - DOOR CREEK.DWG
LAYOUT NAME - 090204_XS
PLOT DATE : 10/5/2017 2:32 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT_1
WISDOT/CADDS SHEET 49

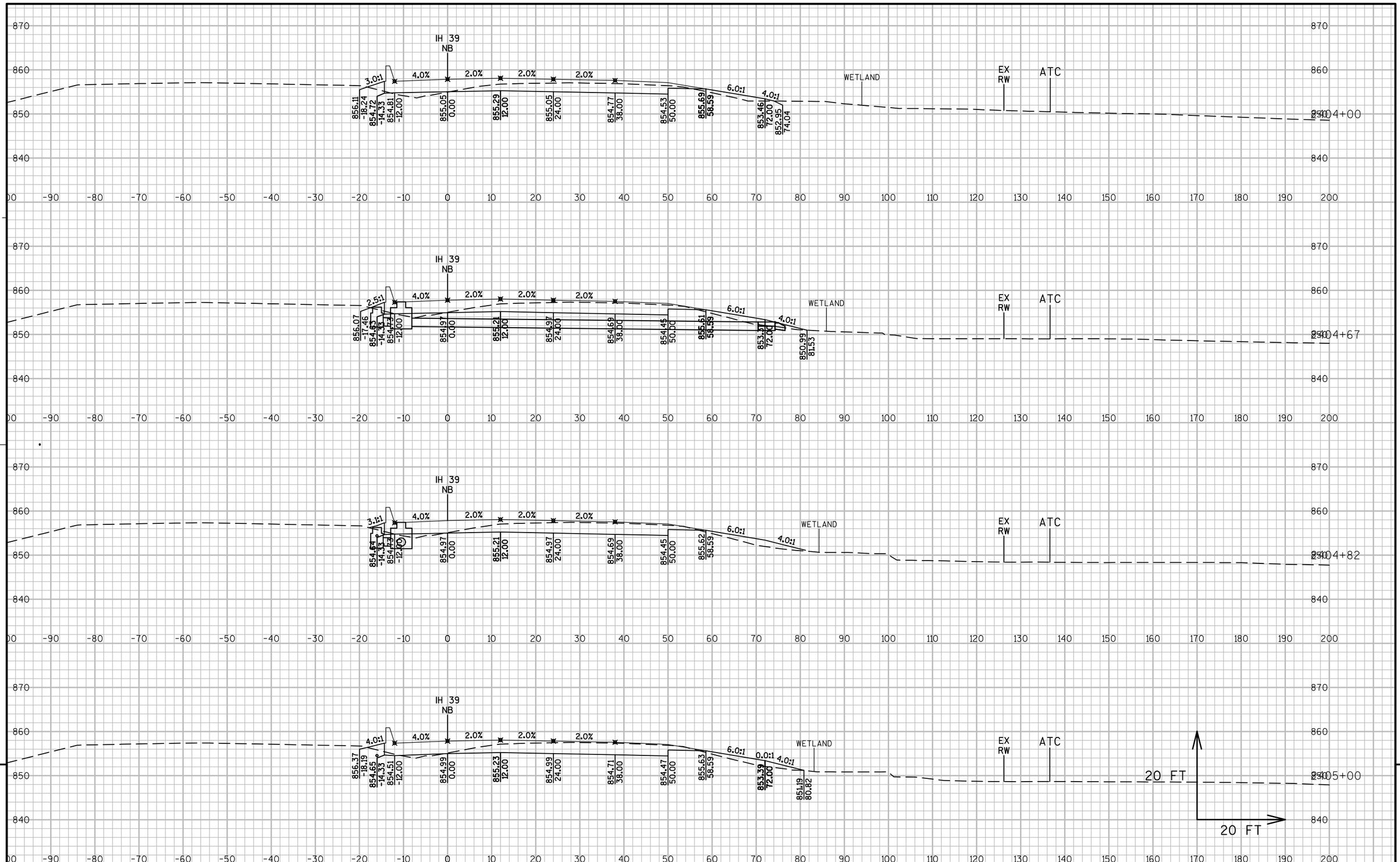
STRUCTURE B-13-725
STA 2400+19 - STA 2401+12



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 453	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB DOOR CREEK - 241500.DWG
LAYOUT NAME - 090201_XS
PLOT DATE : 10/5/2017 2:48 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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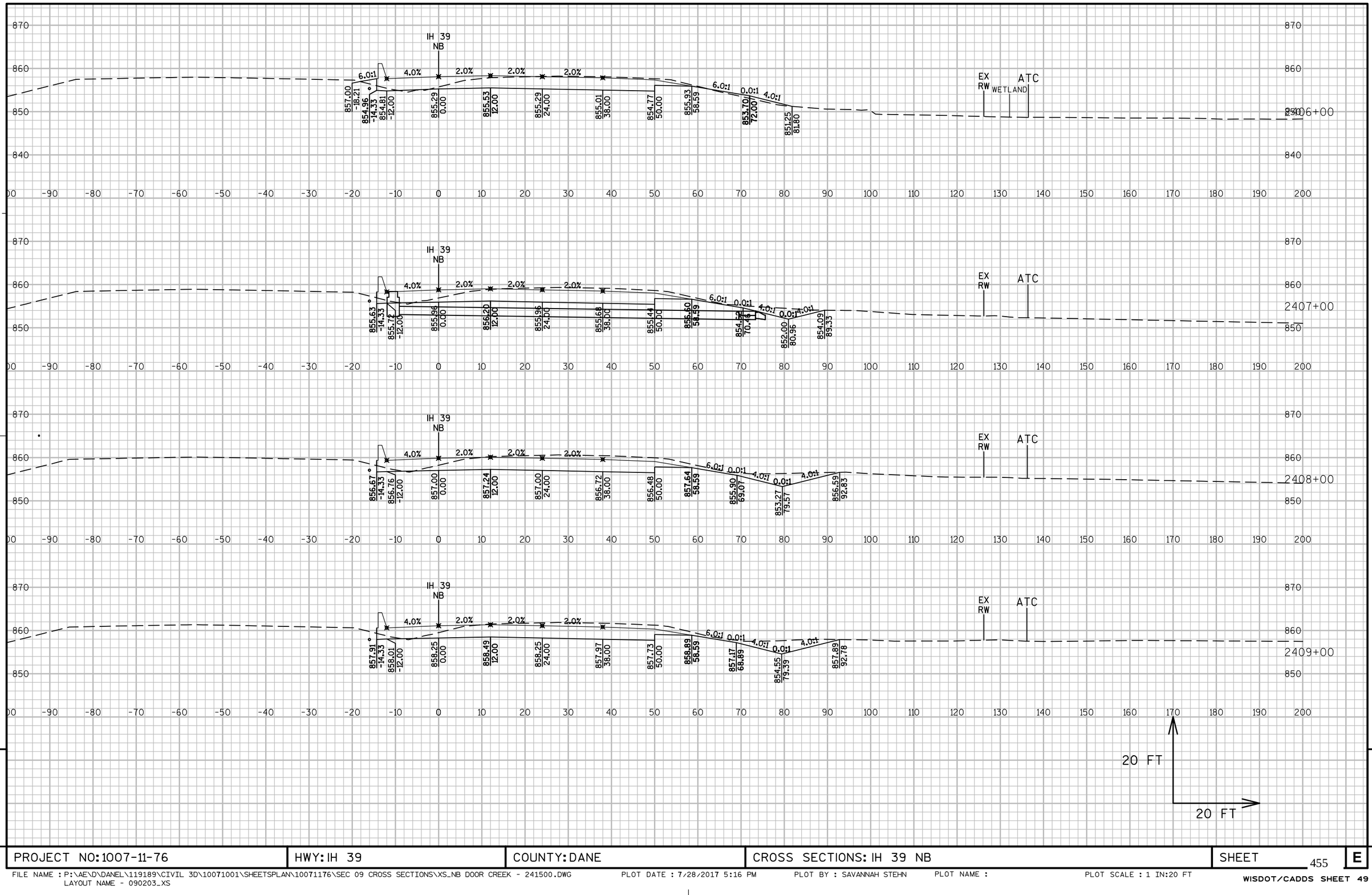
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 454	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB DOOR CREEK - 241500.DWG
LAYOUT NAME - 090202_XS

PLOT DATE : 7/28/2017 5:16 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

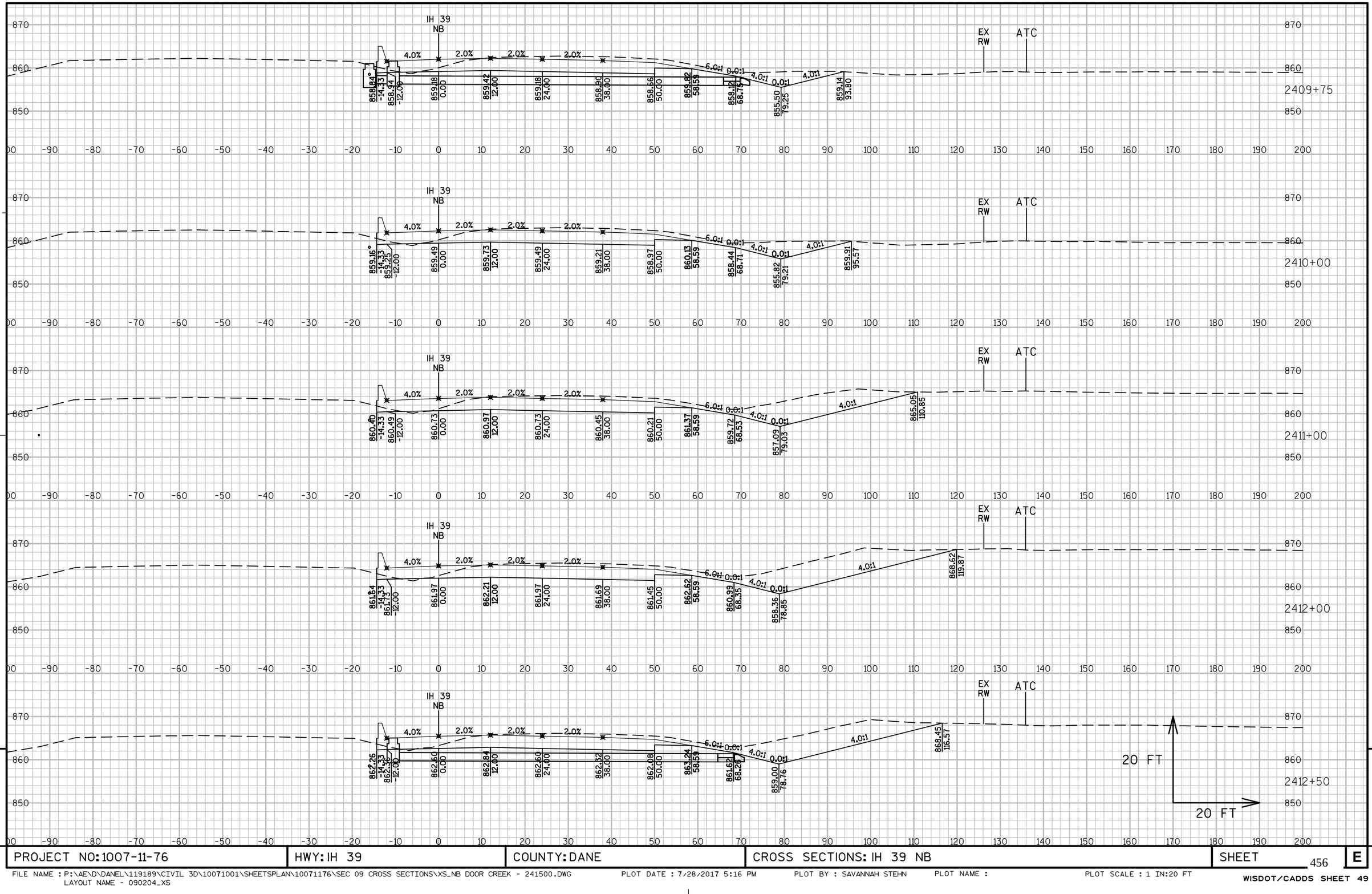


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 455	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB DOOR CREEK - 241500.DWG
LAYOUT NAME - 090203_XS

PLOT DATE : 7/28/2017 5:16 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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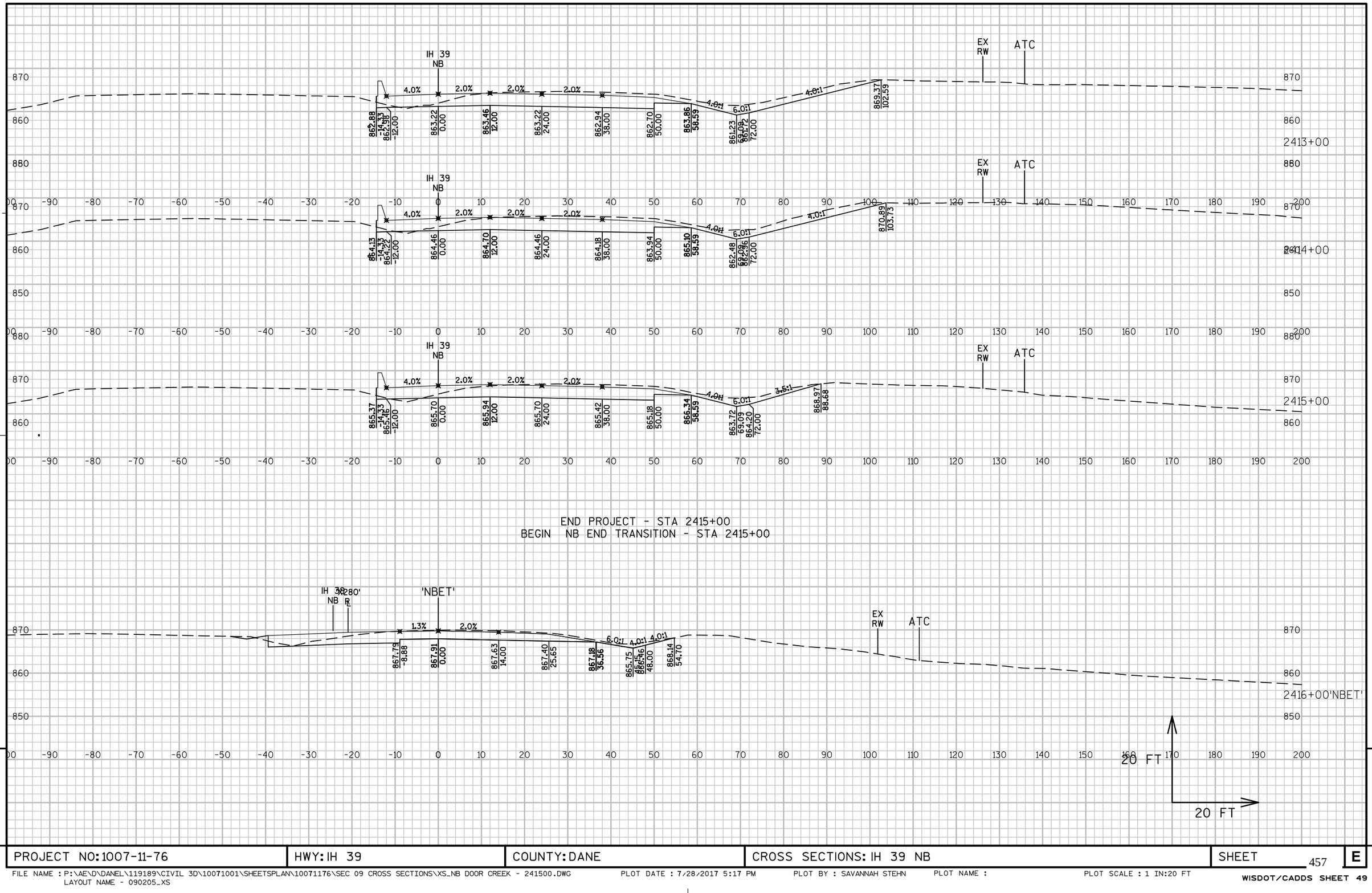
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 456	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB DOOR CREEK - 241500.DWG
LAYOUT NAME - 090204_XS

PLOT DATE : 7/28/2017 5:16 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

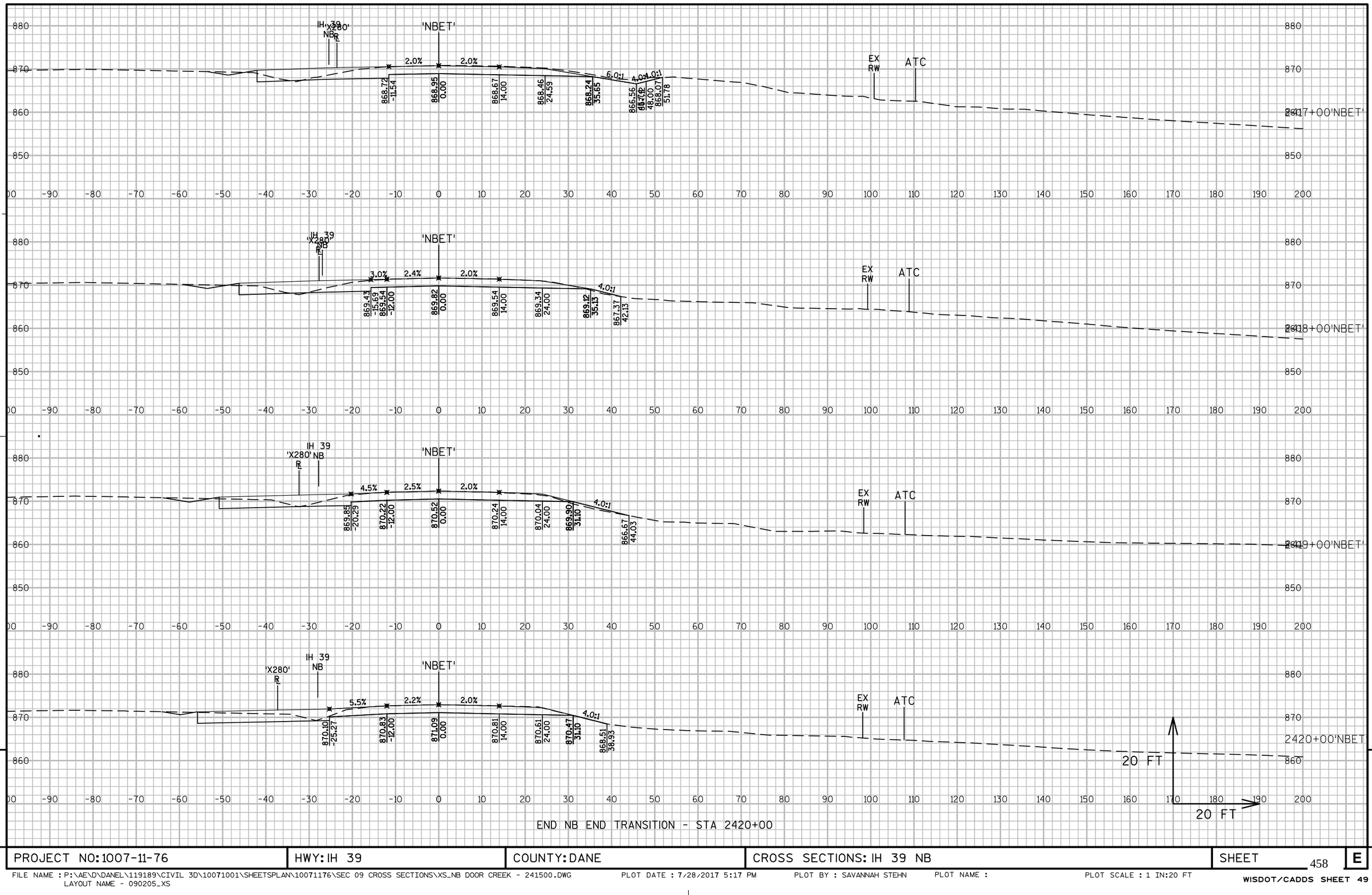
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 457	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB DOOR CREEK - 241500.DWG
LAYOUT NAME - 090205_XS
PLOT DATE : 7/28/2017 5:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



END NB END TRANSITION - STA 2420+00

PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 458	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB DOOR CREEK - 241500.DWG
LAYOUT NAME - 090205_XS
PLOT DATE : 7/28/2017 5:17 PM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

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PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 459	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB DOOR CREEK - 241500.DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 7/28/2017 5:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

IH 39
NB

872.54
5.10

EX
RW

ATC

2424+00

IH 39
NB

872.70
5.10

EX
RW

ATC

2425+00

IH 39
NB

872.87
5.10

EX
RW

ATC

2426+00

IH 39
NB

10.0%

873.07
5.10

EX
RW

ATC

2427+00

880
870
860

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

20 FT

20 FT

9

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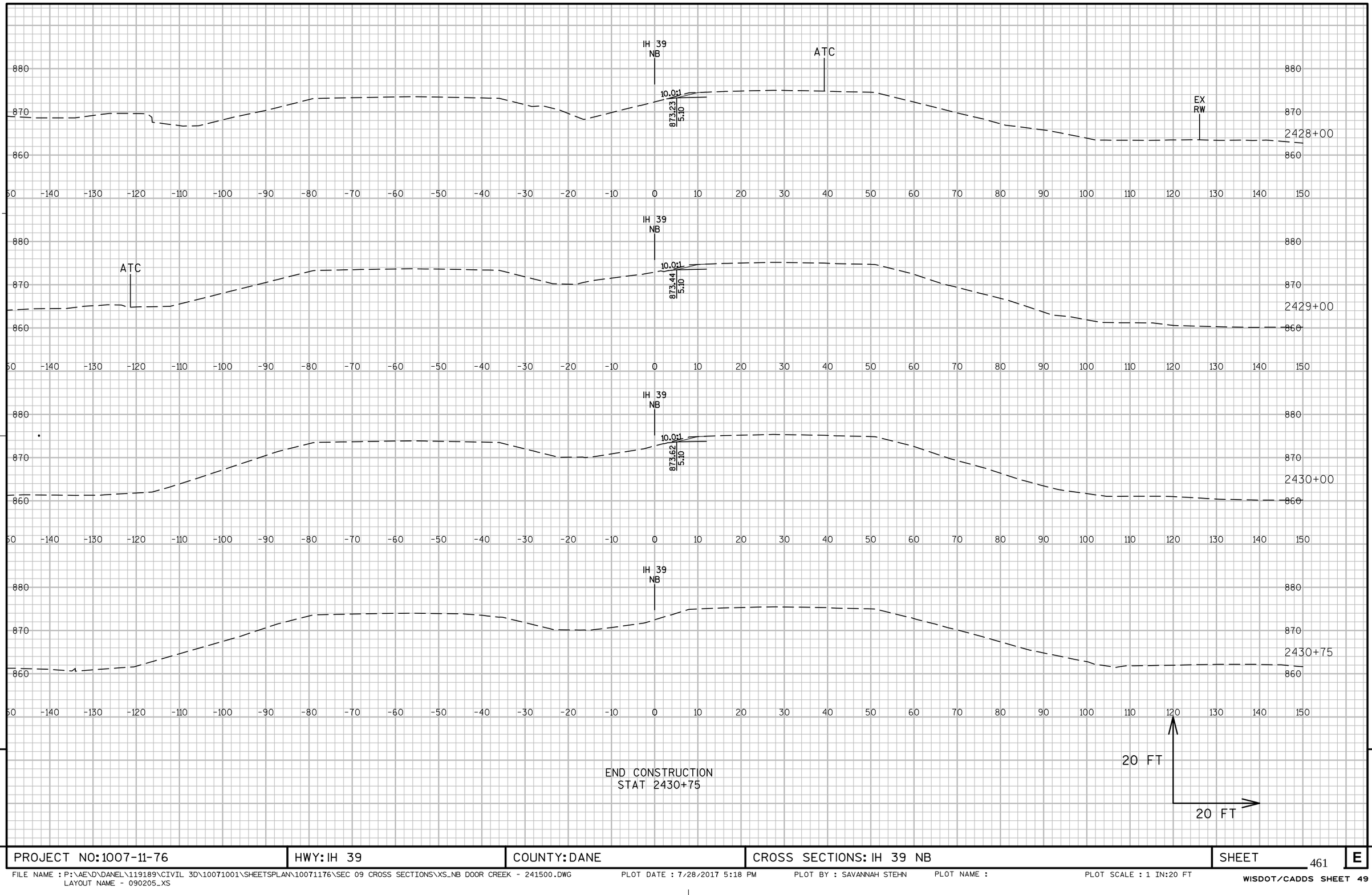
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 460	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB DOOR CREEK - 241500.DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 7/28/2017 5:18 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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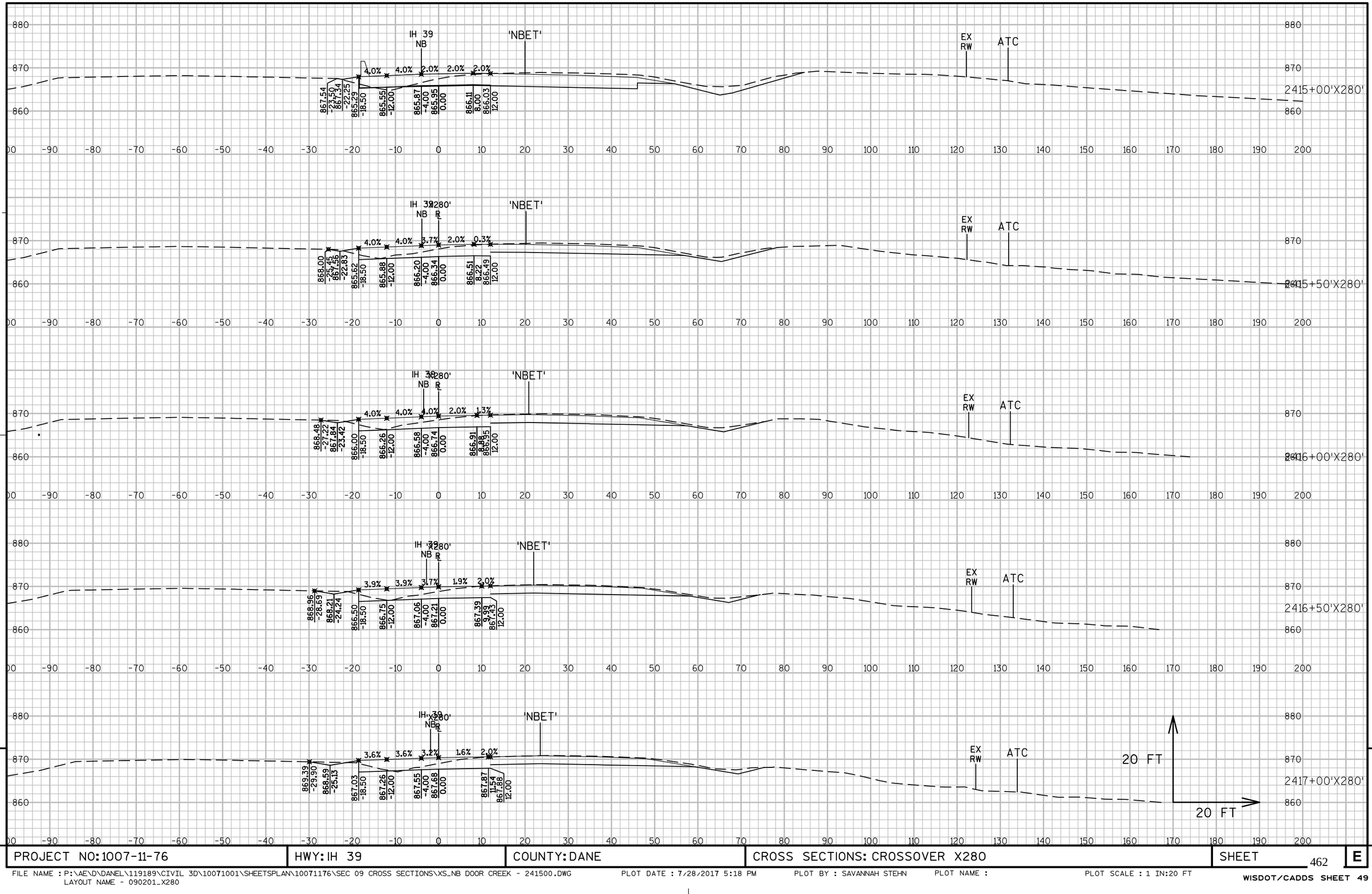
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB	SHEET 461	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB DOOR CREEK - 241500.DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 7/28/2017 5:18 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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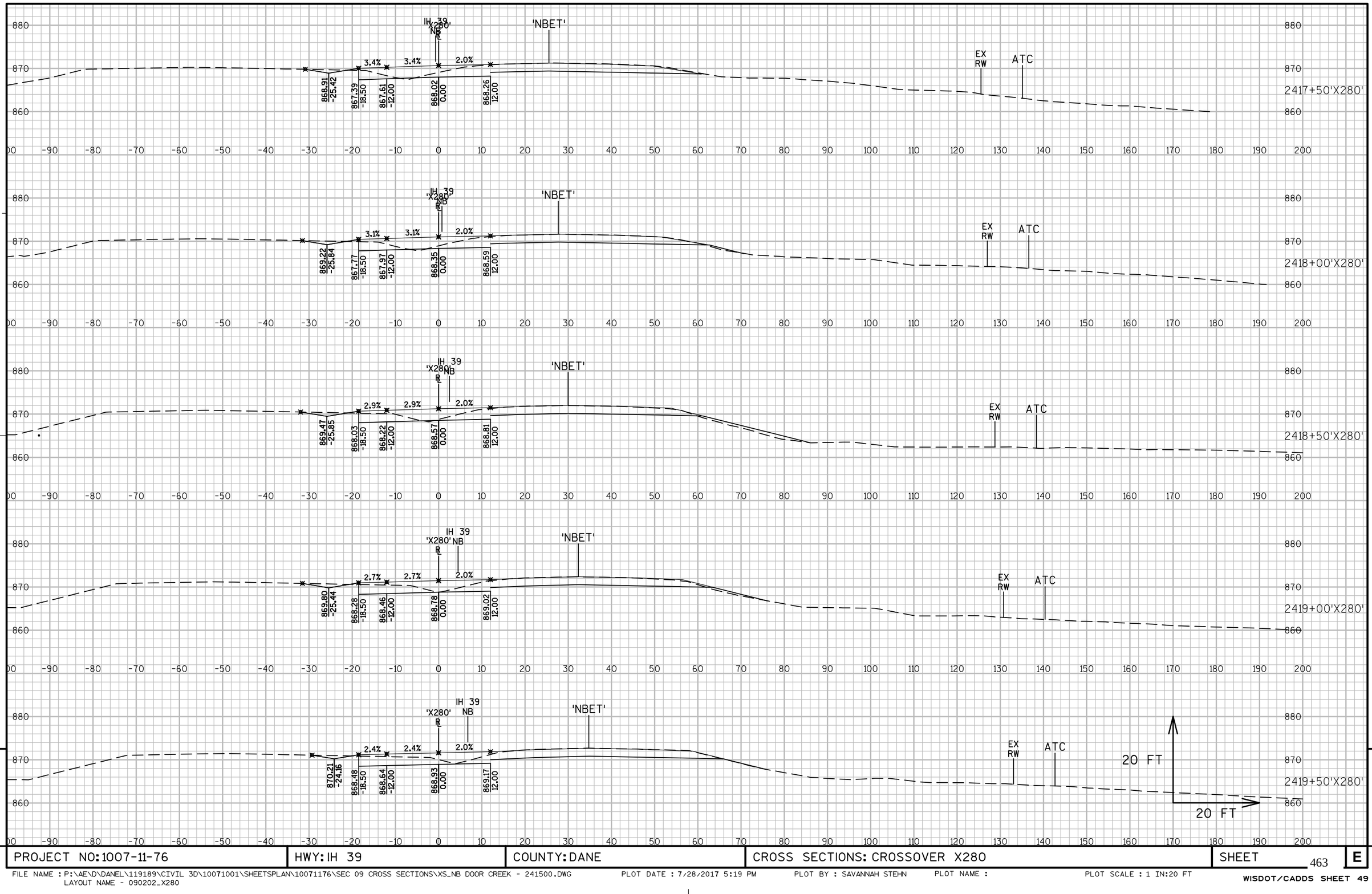
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CROSSOVER X280	SHEET 462	E

9

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB DOOR CREEK - 241500.DWG
LAYOUT NAME - 090201_X280

PLOT DATE : 7/28/2017 5:18 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

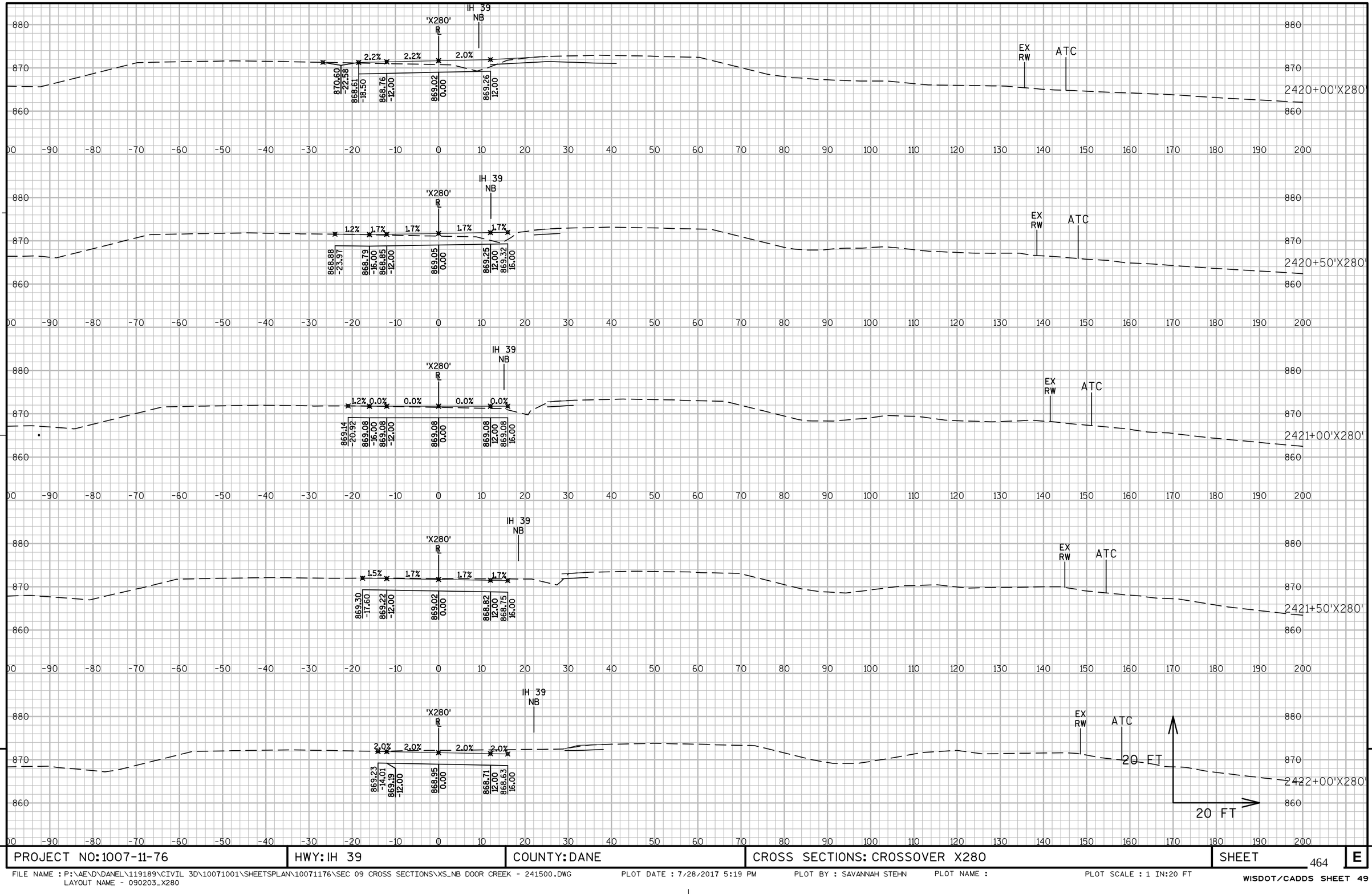


PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CROSSOVER X280	SHEET 463	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB DOOR CREEK - 241500.DWG
LAYOUT NAME - 090202_X280

PLOT DATE : 7/28/2017 5:19 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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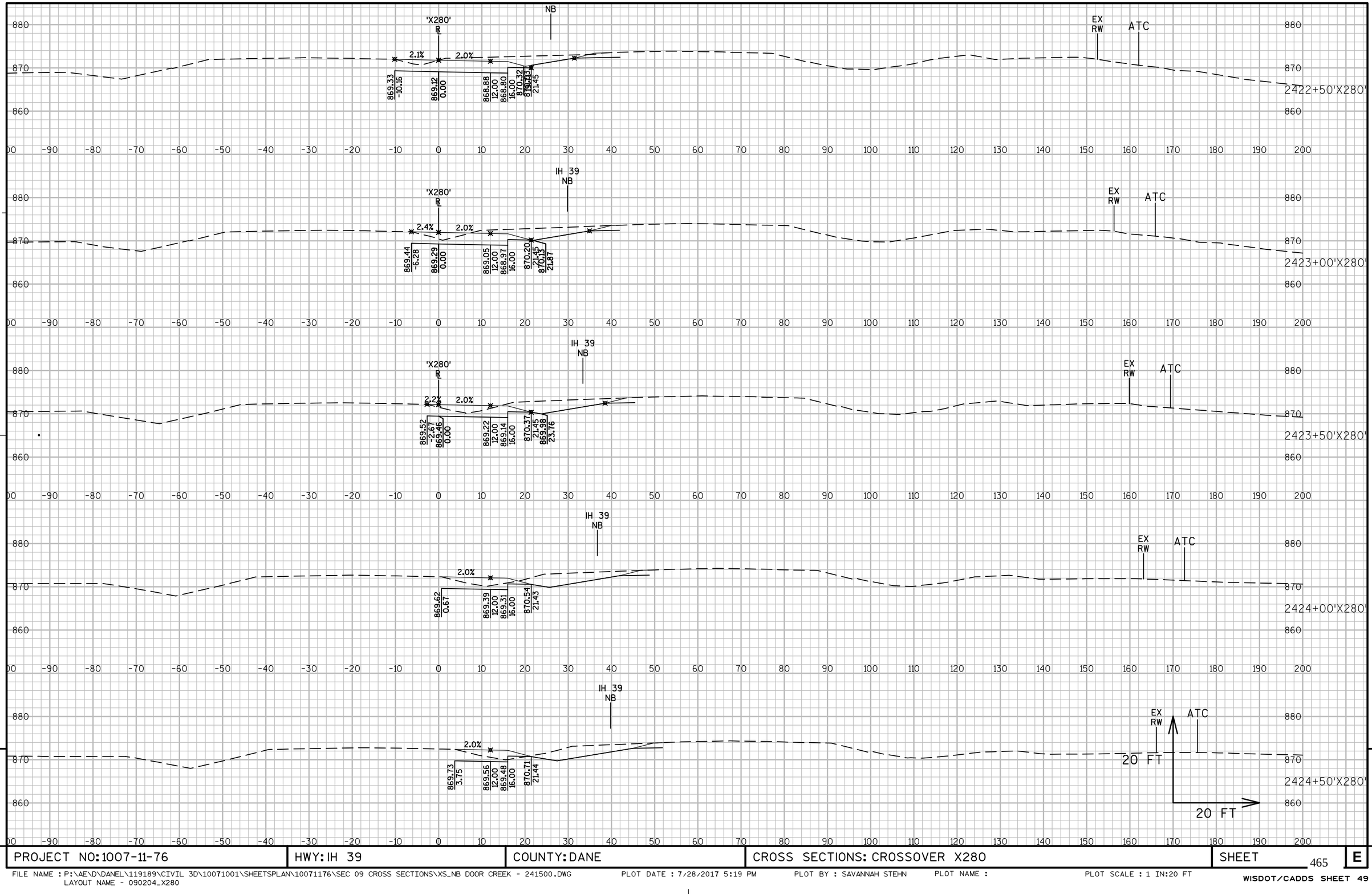
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CROSSOVER X280	SHEET 464	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB DOOR CREEK - 241500.DWG
LAYOUT NAME - 090203_X280
PLOT DATE : 7/28/2017 5:19 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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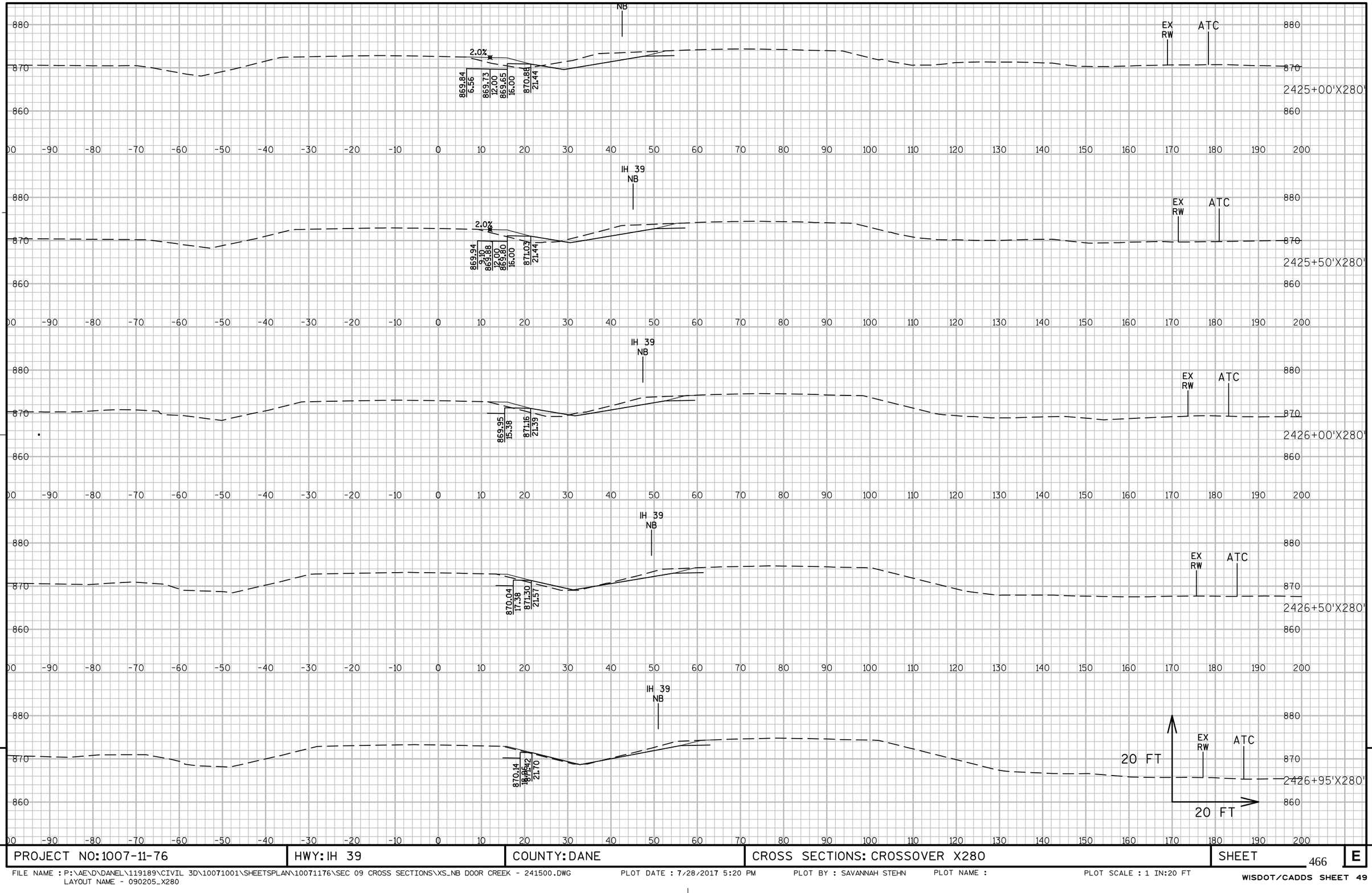
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CROSSOVER X280	SHEET 465	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB DOOR CREEK - 241500.DWG
LAYOUT NAME - 090204_X280
PLOT DATE : 7/28/2017 5:19 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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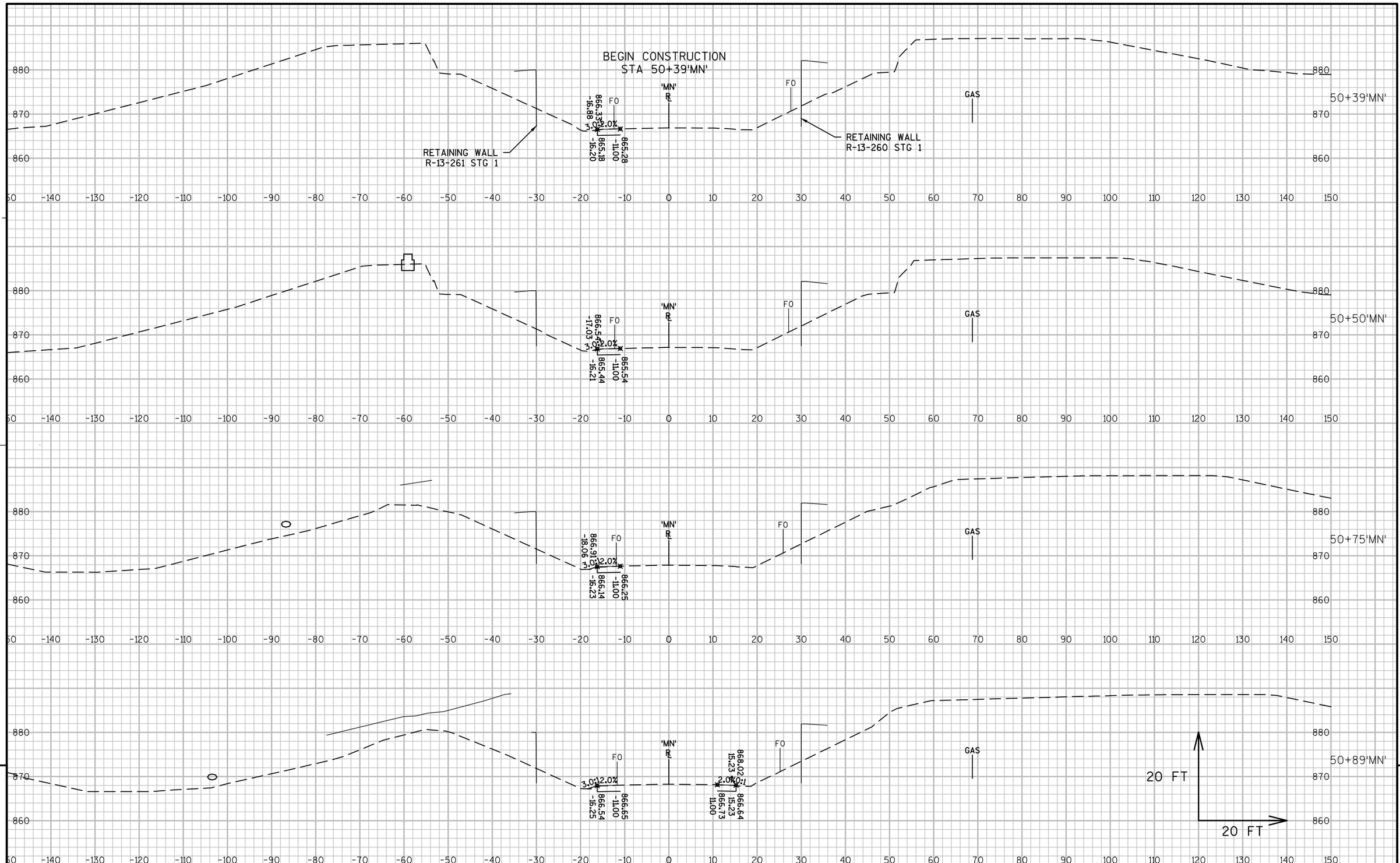
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CROSSOVER X280	SHEET 466	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_NB DOOR CREEK - 241500.DWG
LAYOUT NAME - 090205_X280

PLOT DATE : 7/28/2017 5:20 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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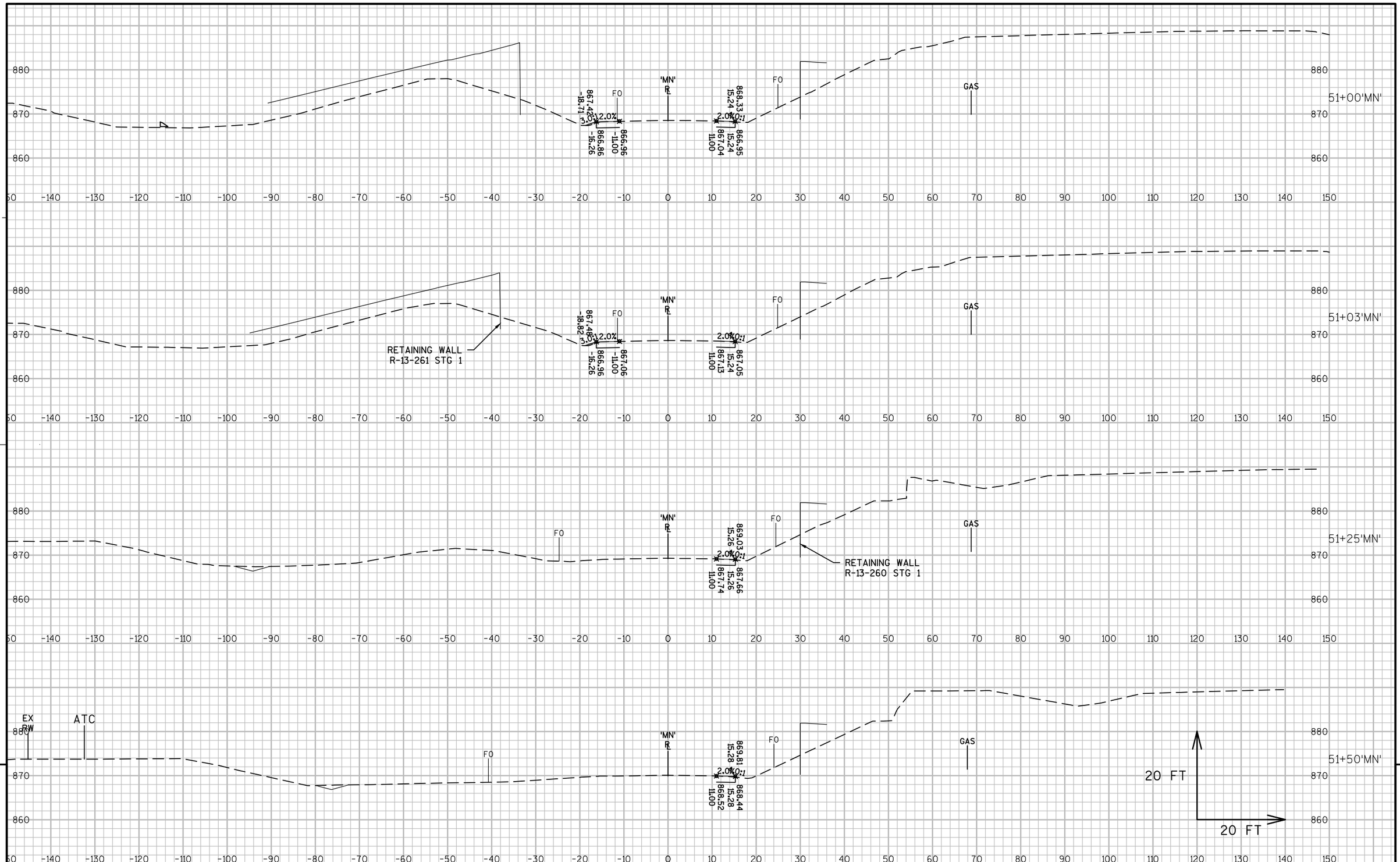
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH MN	SHEET 467	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_CTH MN.DWG
LAYOUT NAME - 090101_MN

PLOT DATE : 8/1/2017 9:09 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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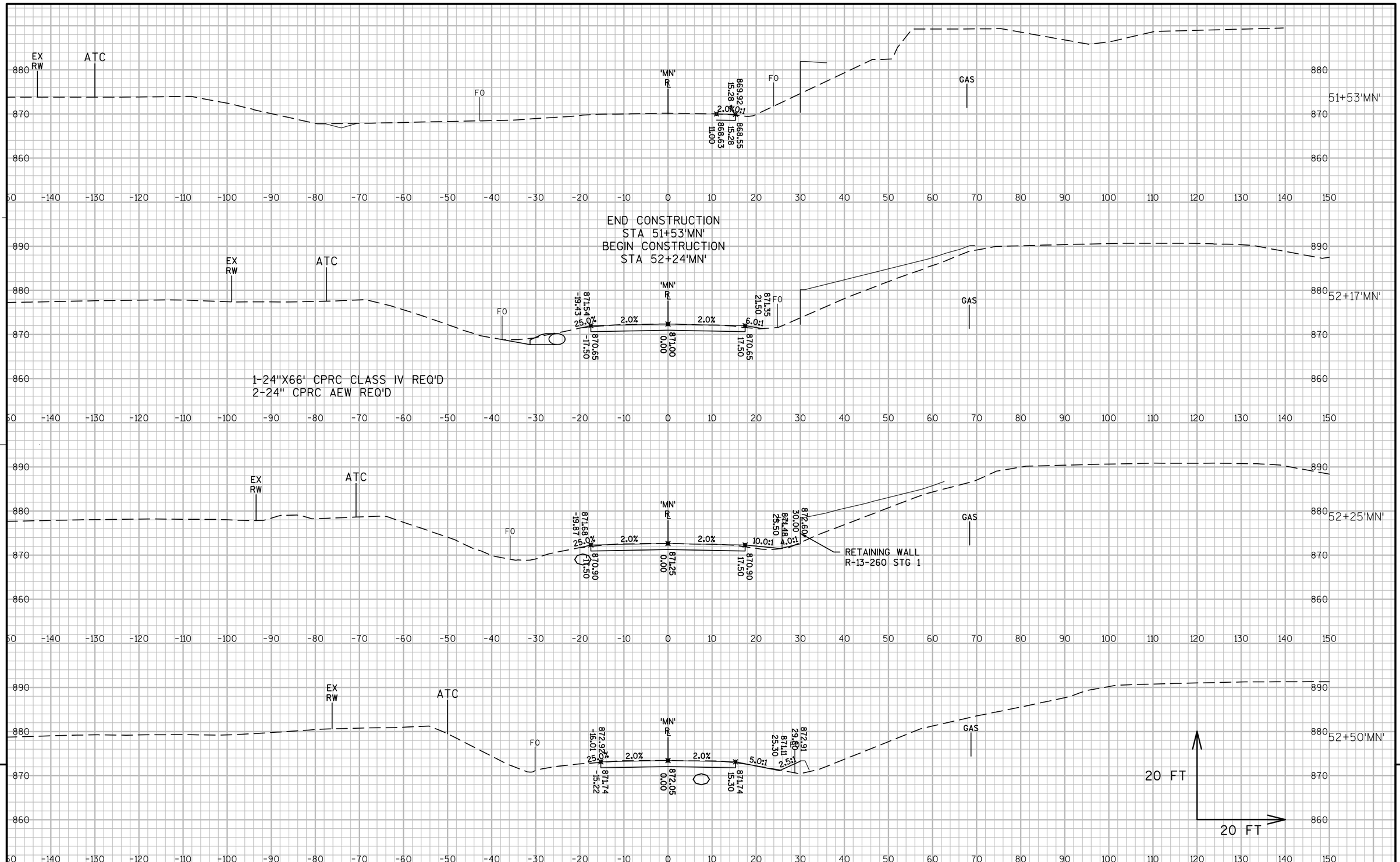
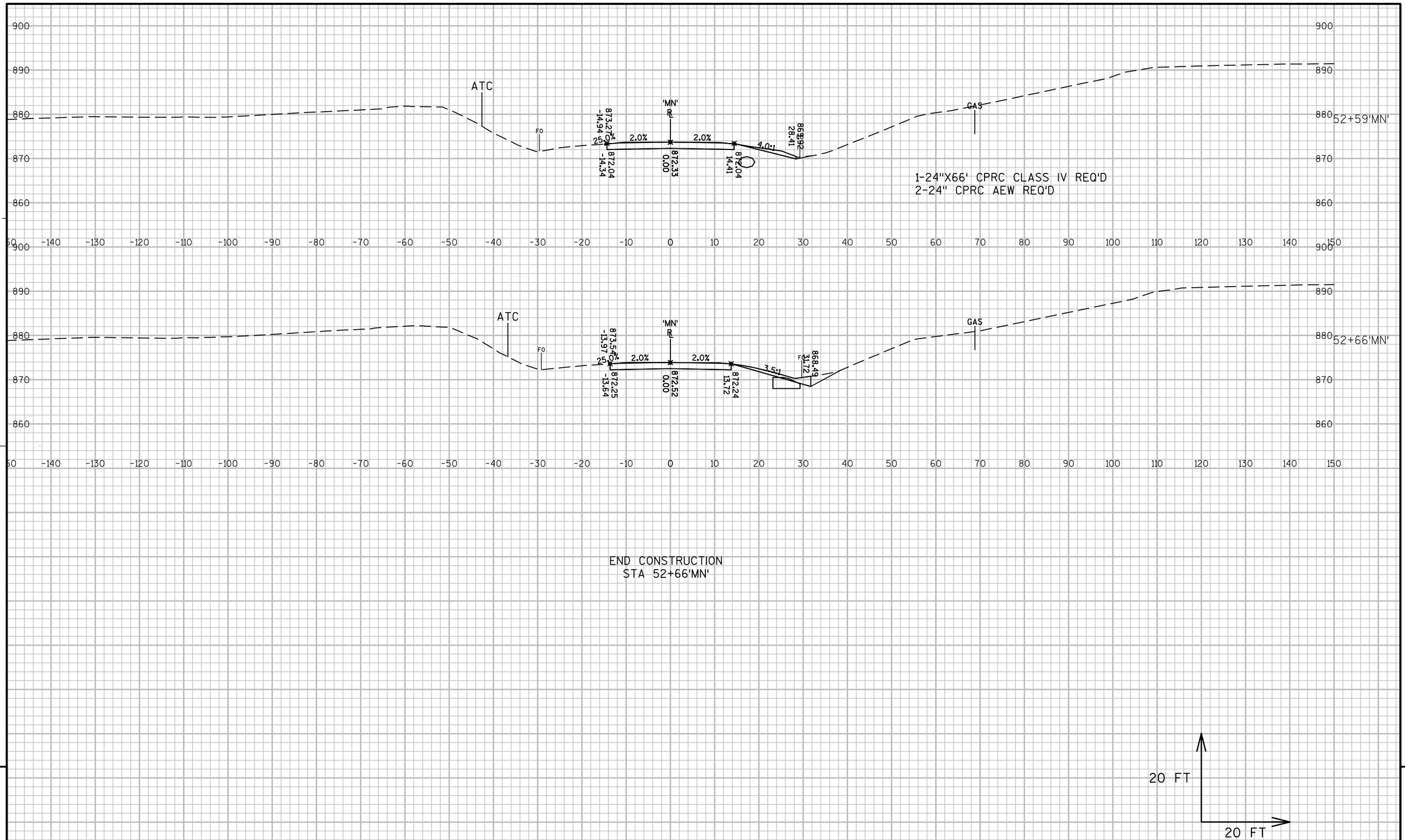
PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH MN	SHEET 468	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_CTH MN.DWG
LAYOUT NAME - 090102_MN
PLOT DATE : 8/1/2017 9:10 AM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1" = 20'_XREF
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH MN	SHEET 469 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_CTH MN.DWG
LAYOUT NAME - 090103_MN
PLOT DATE : 10/10/2017 10:30 AM PLOT BY : DEAN STODOLA PLOT NAME : PLOT SCALE : 1 IN:20 FT_1
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-11-76	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH MN	SHEET 470	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071176\SEC 09 CROSS SECTIONS\XS_CTH MN.DWG
LAYOUT NAME - 090104_MN

PLOT DATE : 10/10/2017 10:32 AM PLOT BY : DEAN STODOLA PLOT NAME : PLOT SCALE : 1 IN:20 FT_1

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov