MAD MAY 2017

PROJECT ID: 1007-10-84
WITH: 1007-10-88

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 = 416

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

ILLINOIS STATE LINE - MADISON

CHURCH STREET TO CTH AB

IH 39

DANE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1007-10-84	WISC 2017260	1

STATE PROJECT NUMBER
1007-10-84

DESIGN DESIGNATION

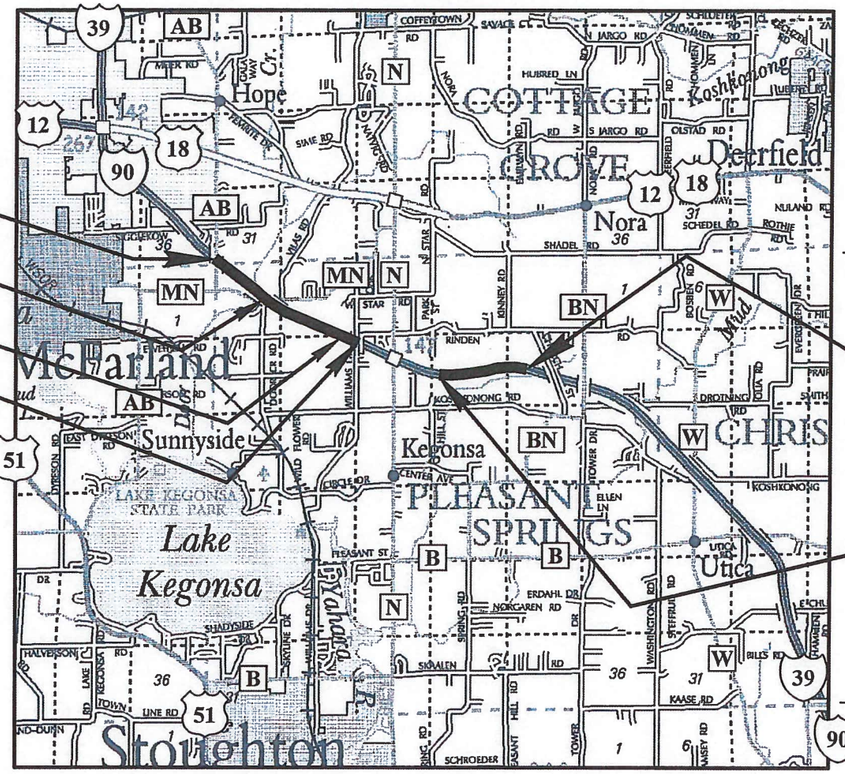
		PERMANENT PAVEMENT		TEMPORARY PAVEMENT
A.A.D.T.	2020	= 56,650	2020	= 56,650
A.A.D.T.	2040	= 70,300	2022	= 58,030
D.H.V.	2040	= 7,452	2022	= 6,150
D.D.		= 58/42		= 58/42
T.		= 29.1%		= 29.1%
DESIGN SPEED		= 70 MPH		= 70 MPH
ESALS		= 45,858,600		= 4,312,110

END PROJECT
STA 1484+30.00'TSB'

STRUCTURE
B-13-140

BOX CULVERT
C-13-3089 STG 1

BEGIN CONSTRUCTION
STA 1369+29.89'TSB'



BEGIN PROJECT
STA 1246+00.00'TSB'
Y = 455,388.294
X = 879,696.298

END CONSTRUCTION
STA 1308+26.12'TSB'

T-7-N

N

T-6-N

R-10-E | R-11-E

LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 3.357 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)

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

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

1/17/17 (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: 1/30/17 Katrina Feltes (Signature)

E

ORDER OF SHEETS - SECTION 2

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL
STORM SEWER
ITS
PERMANENT SIGNING AND PAVEMENT MARKING
TRAFFIC CONTROL AND DETOUR SIGNING
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

CRAIG PRINGLE
111 INTERSTATE BLVD
MADISON, WI 53534
PHONE: (608) 884-7132
EMAIL: CRAIG.PRINGLE@DOT.WI.GOV

WISDOT CONSTRUCTION

JAMIE GRAINGER
111 INTERSTATE BLVD
MADISON, WI 53534
PHONE: (608) 884-1173
EMAIL: JAMIE.GRAINGER@DOT.WI.GOV

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 (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 - ELECTRICITY
4902 N BILTMORE LANE
MADISON, WI 53718
JASON HOGAN
OFFICE: (608) 458-4871
CELL: (608) 395-7395
JASONHOGAN@ALLIANTENERGY.COM

ALLIANT ENERGY - GAS/PETROLEUM
4902 N BILTMORE LANE,
MADISON, WI 53718
JASON HOGAN
OFFICE: (608) 458-4871
CELL: (608) 395-7395
JASONHOGAN@ALLIANTENERGY.COM

ATC MANAGEMENT INC. - ELECTRICITY
2489 RINDEN RD
COTTAGE GROVE, WI 53527
DOUG VOSBURG
OFFICE: (608) 877-7650
CELL: (608) 438-7650
DVOSBURG@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 53701
CAROL ANASON
OFFICE: (608) 252-2385
CELL: (920) 475-2977
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
100 COMMUNICATION DR
SUN PRAIRIE, WI 53590
ED STIEBER
OFFICE: (608) 837-1410
CELL: (262) 325-7048
EDWARD.O.STIEBER@FTR.COM

WINDSTREAM COMMUNICATIONS (MCLEOD USA) - COMMUNICATION LINE
13935 BISHOPS DR
BROOKFIELD, WI 53005
NATHAN BECKER
OFFICE: (262) 792-7938
CELL: (414) 313-9032
NATHAN.BECKER@WINDSTREAM.COM

MADISON SWEF #16
ROOM 651 HFSTB
4802 SHEBOYGAN AVE
MADISON, WI 53707-7965
ROBERT SPOERL
OFFICE: (608) 266-8665
ROBERT.SPOERL@DOT.WI.GOV

CITY OF MADISON - WATER UTILITY
110 S PATTERSON ST
MADISON, WI 53705
DON RUSSELL
OFFICE: (608) 266-5985
CELL: (608) 575-7658
DRUSSELL@MADISONWATER.ORG

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	HYD	HYDRANT
AC	ACRE	ID	INSIDE DIAMETER
AGG	AGGREGATE	INV	INVERT
AECPRC	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE	IP	IRON PIPE OR PIN
		LHF	LEFT-HAND FORWARD
AECPCS	APRON ENDWALL FOR CULVERT PIPE CORRUGATED STEEL	L	LENGTH OF CURVE
		LF	LINEAR FOOT
ASPH	ASPHALTIC	LC	LONG CHORD OF CURVE
AVG	AVERAGE	LS	LUMP SUM
ADT	AVERAGE DAILY TRAFFIC	MH	MANHOLE
BF	BACK FACE	MOR	MID POINT OF RADIUS
BM	BENCH MARK	MCE	MARKERS CULVERT END
BR	BRIDGE	NC	NORMAL CROWN
CE	COMMERCIAL ENTRANCE	NO	NUMBER
CL OR C/L OR ℄	CENTER LINE	OBLIT	OBLITERATE
Δ	CENTRAL ANGLE OR DELTA	PAVT	PAVEMENT
CONC	CONCRETE	PE	PRIVATE ENTRANCE
CPRC	CULVERT PIPE REINFORCED CONCRETE	PVRC	POINT OF VERTICAL REVERSE CURVE
CPCS	CULVERT PIPE CORRUGATED STEEL	QOR	QUARTER POINT OF RADIUS
CR	CREEK	R	RADIUS
CY	CUBIC YARD	REQ'D	REQUIRED
C & G	CURB AND GUTTER	RES	RESIDENCE OR RESIDENTIAL
D	DEGREE OF CURVE	RHF	RIGHT-HAND FORWARD
DHV	DESIGN HOUR VOLUME	R/W	RIGHT-OF-WAY
DISCH	DISCHARGE	R	RIVER
DG	DITCH GRADE	RDWY	ROADWAY
DWY	DRIVEWAY	R/L OR ℄	REFERENCE LINE
X	EAST GRID COORDINATE	SALV	SALVAGED
EAT	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL	SAN	SANITARY SEWER
		SF	SQUARE FEET
EOR	END POINT OF RADIUS	SY	SQUARE YARD
EL	ELEVATION	SDD	STANDARD DETAIL DRAWINGS
ENT	ENTRANCE	STA	STATION
ESALS	EQUIVALENT SINGLE AXLE LOADS	SS	STORM SEWER
EXC	EXCAVATION	SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
EBS	EXCAVATION BELOW SUBGRADE		
EXIST	EXISTING	SE	SUPERELEVATION RATE
FC	FACE OF CURB	TC	TOP OF CURB
FF	FACE TO FACE	T OR TN	TOWN
FERT	FERTILIZE	T	TRUCKS (PERCENT OF)
FE	FIELD ENTRANCE	TYP	TYPICAL
FL	FLOW LINE	VAR	VARIABLE
FO	FIBER OPTIC	VC	VERTICAL CURVE
CWT	HUNDREDWEIGHT	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. THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
11. ASPHALTIC AND CONCRETE SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
12. DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND MULCHED.
13. FERTILIZER SHALL NOT BE USED WITHIN 20 FEET OF NAVIGABLE WATERWAYS OR WETLANDS.
14. 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 TONS/CY
15. A CONVERSION FACTOR OF 1.9 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR SELECT CRUSHED MATERIAL.
16. A CONVERSION FACTOR OF 112 LBS/IN/SY IS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.
17. A CONVERSION FACTOR OF 5.0% IS USED TO ESTIMATE QUANTITIES FOR ASPHALTIC MATERIAL.
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
AP08	4.5	UPPER: 2.00	4 MT 58-28 S
		LOWER: 2.50	3 MT 58-28 S
AP26	4.5	UPPER: 2.00	4 LT 58-28 S
		LOWER: 2.50	3 LT 58-28 S
AP24	6.0	UPPER: 2.25	4 HT 58-28 H
		LOWER: 3.75	2 HT 58-28 S
CONCRETE RUMBLE STRIPS FILL			5 HT 58-28 S

FILE NAME : 020101_GN (GEN NOTES).DWG
PLOT DATE : 3/2/2017 1:47 PM
PLOT BY : SEH INC
LAYOUT NAME : 020101_GN
PLOT SCALE : NTS
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL TYPICAL SECTIONS & DETAILS

2

END CONSTRUCTION 1007-10-84
BEGIN PROJECT 1007-10-86
STA 1308+26.12'TSB'

IH 39 SB

IH 39 NB

1300'TSB'

1320'TSB'

1340'TSB'

1360

MATCH LINE STA 1360+00'TSB'

CTH B

KOSHKONONG RD

CTH B (KOSHKONONG RD)

1280'TSB'

TEMPORARY EMERGENCY PULLOUT NB IH 39

OLD NB SWEF (SAFETY AND WEIGHT ENFORCEMENT) (NOT USED)

WORK BY OTHERS
CTH N INTERCHANGE
PROJECT ID 1007-10-86
(CONSTRUCTED BY OTHERS)

CTH N

RINDEN RD

N

BEGIN PROJECT 1007-10-84
END PROJECT 1007-10-88
STA 1246+00.00'TSB'

CHURCH ST

1260'TSB'

1240'TSB'

1220'TSB'

IH 39 SB

IH 39 NB

MATCH LINE STA 1360+00'TSB'

WILLIAMS DR

END PROJECT 1007-10-86
BEGIN CONSTRUCTION 1007-10-84
STA 1369+29.89'TSB'

BOX CULVERT
C-13-3089 STG 1

IH 39 SB

1380'TSB'

1400'TSB'

SB SWEF
(SAFETY AND WEIGHT ENFORCEMENT)

1420'TSB'

IH 39 NB

RINDEN RD

WILLIAMS DR

WORK BY OTHERS
IH 39 2-LANE CROSSOVERS
PROJECT ID 1007-11-81

WORK BY OTHERS
IH 39 WIDENING
PROJECT ID 1007-10-86

TEMPORARY EMERGENCY PULLOUT NB IH 39

CTH MN

DOOR CREEK RD

ROIDT DR

DOOR CREEK

1440'TSB'

SB STRUCTURE
B-13-140

1460'TSB'

1480'TSB'

DOOR CREEK

CTH MN

CTH AB

WORK BY OTHERS
CTH AB OVERPASS
PROJECT ID 1007-10-81

NB IH 39
2-LANE
CROSSOVER
'X276'

IH 39 SB

IH 39 NB

CTH AB

END PROJECT 1007-10-84
STA 1484+30.00'TSB'

N

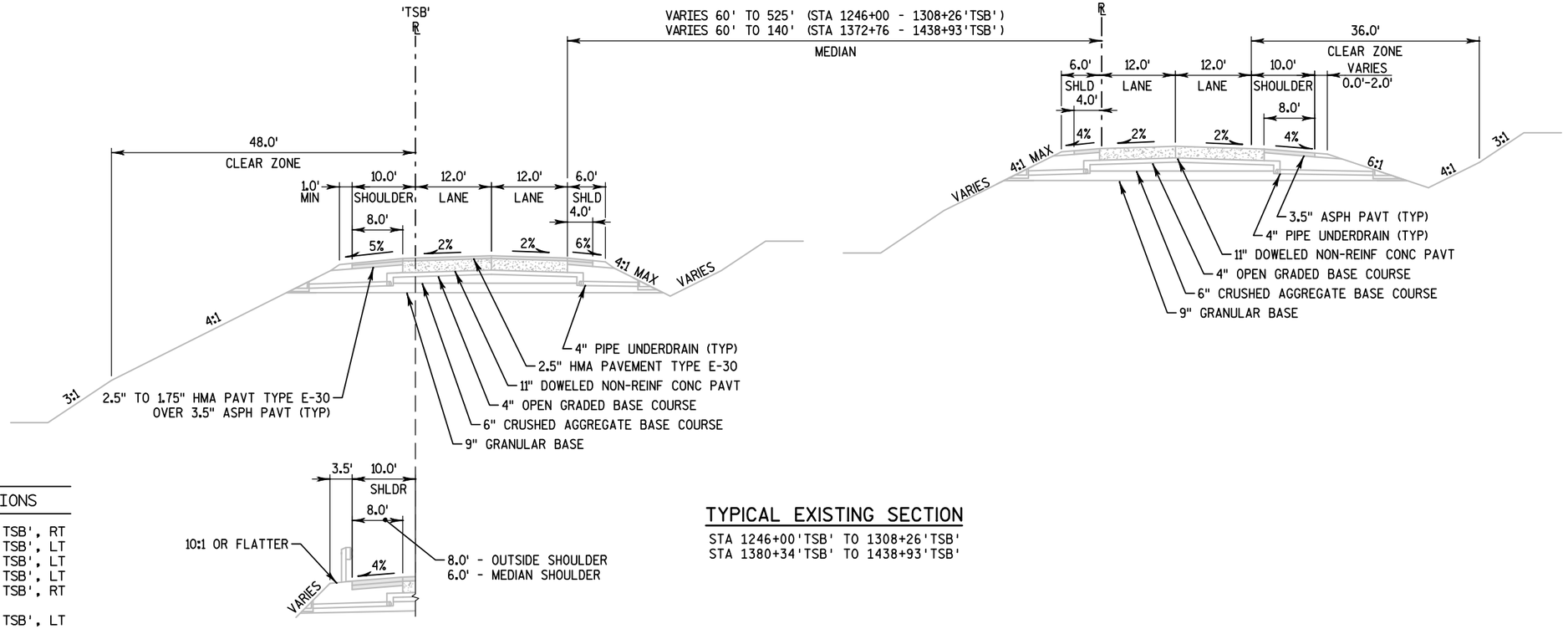
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN: PROJECT OVERVIEW	SHEET	E

FILE NAME : 020201_PO (PROJ OVERVIEW).DWG | PLOT DATE : 1/31/2017 9:54 PM | PLOT BY : SEH INC | LAYOUT NAME : 020201_PO | PLOT SCALE : 1.0 IN = 1000.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007T001\SHEETSPLAN\1007T108\SEC 02 TYPICAL SECTIONS & DETAILS

2



BEAM GUARD LOCATIONS

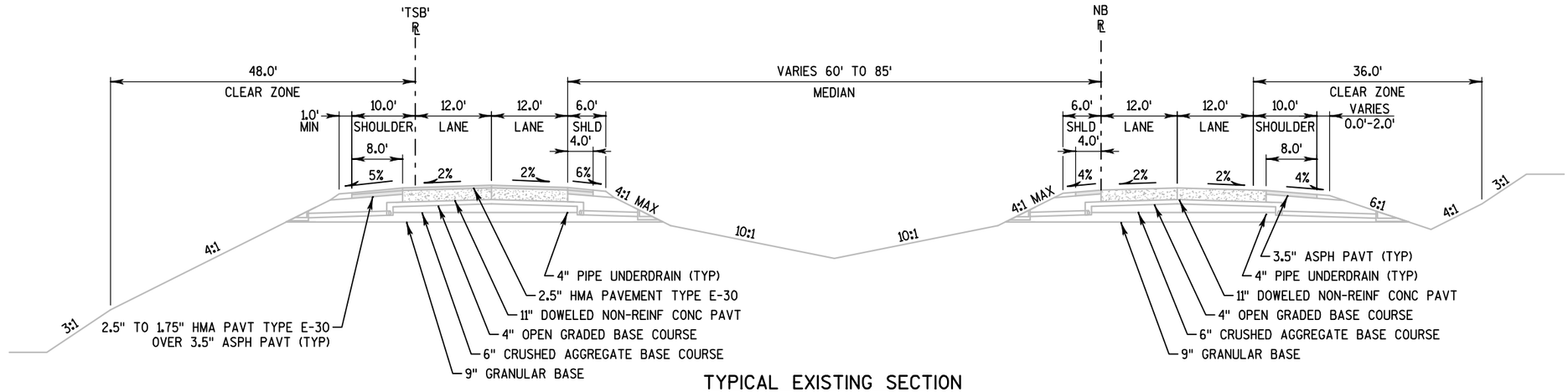
1265+17'TSB' TO 1267+24'TSB', RT
1265+12'TSB' TO 1304+96'TSB', LT
1379+93'TSB' TO 1383+32'TSB', LT
1438+13'TSB' TO 1440+62'TSB', LT
1441+88'TSB' TO 1445+42'TSB', RT

1442+34'TSB' TO 1448+17'TSB', LT
1449+09'TSB' TO 1451+53'TSB', LT
1452+65'TSB' TO 1454+47'TSB', LT
1459+74'TSB' TO 1462+65'TSB', LT

TYPICAL BEAM GUARD INSTALLATION
(SEE TABLE FOR LOCATIONS)

TYPICAL EXISTING SECTION

STA 1246+00'TSB' TO 1308+26'TSB'
STA 1380+34'TSB' TO 1438+93'TSB'

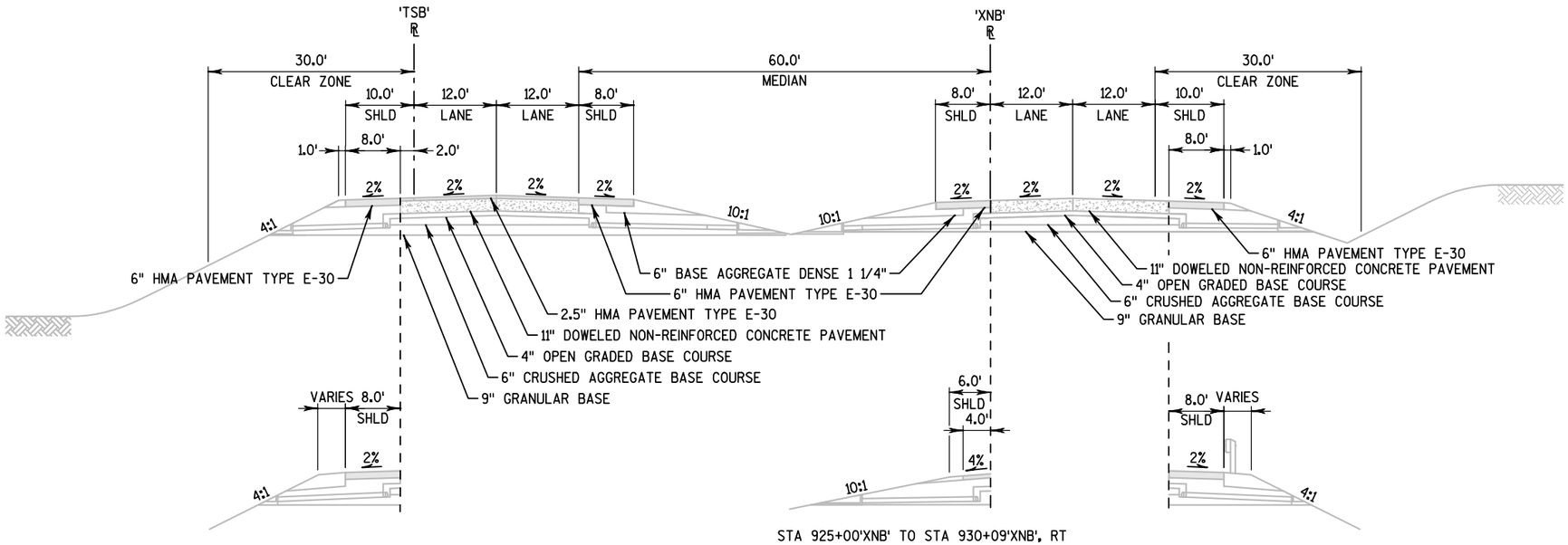


TYPICAL EXISTING SECTION

STA 1438+93'TSB' TO 1484+30'TSB'

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET 4	E

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



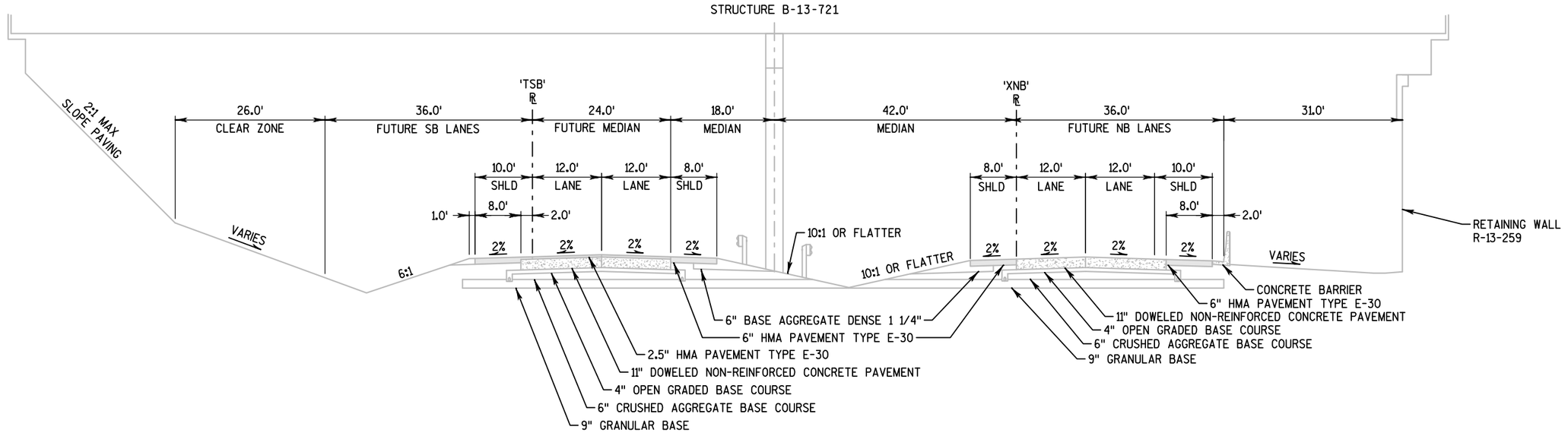
STA 1374+45'TSB' TO STA 1376+16'TSB', LT

STA 925+00'XNB' TO STA 930+09'XNB', RT

STA 917+34'XNB' TO STA 918+27'XNB', RT

TYPICAL EXISTING SECTION - IH 39

STA 1369+30'TSB' TO STA 1370+05'TSB'
STA 1372+00'TSB' TO STA 1380+34'TSB'



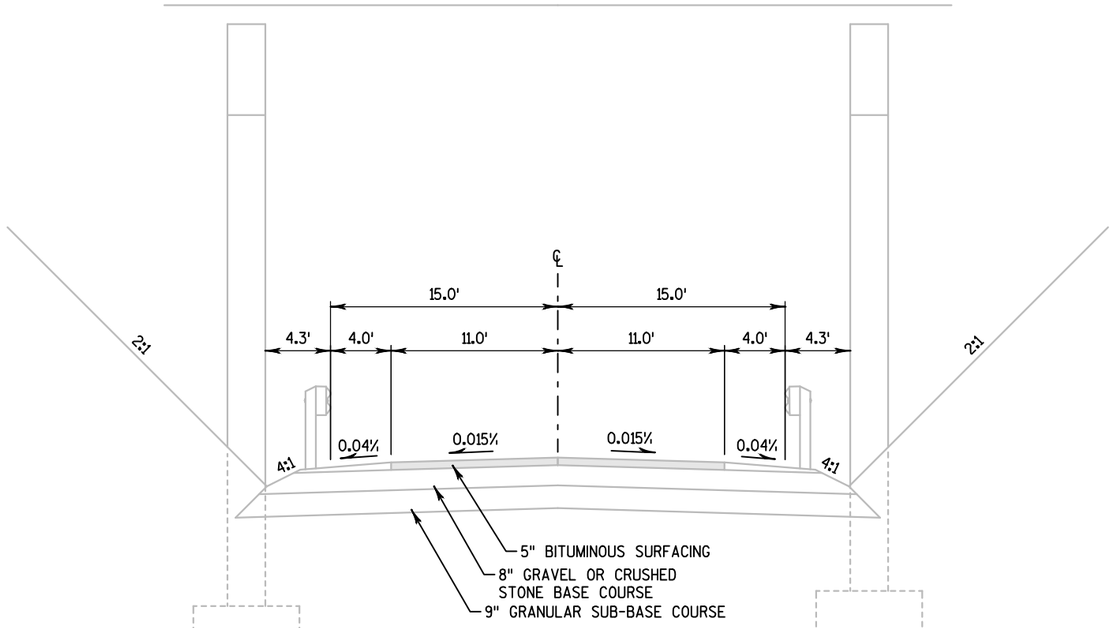
TYPICAL EXISTING SECTION - IH 39

WILLIAMS DRIVE UNDERPASS
STA 1370+05'TSB' TO STA 1372+00'TSB'

PROJECT NO:1007-10-84	HWY:IH 39	COUNTY:DANE	TYPICAL SECTIONS	SHEET 5	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108N\SEC 02 TYPICAL SECTIONS & DETAILS

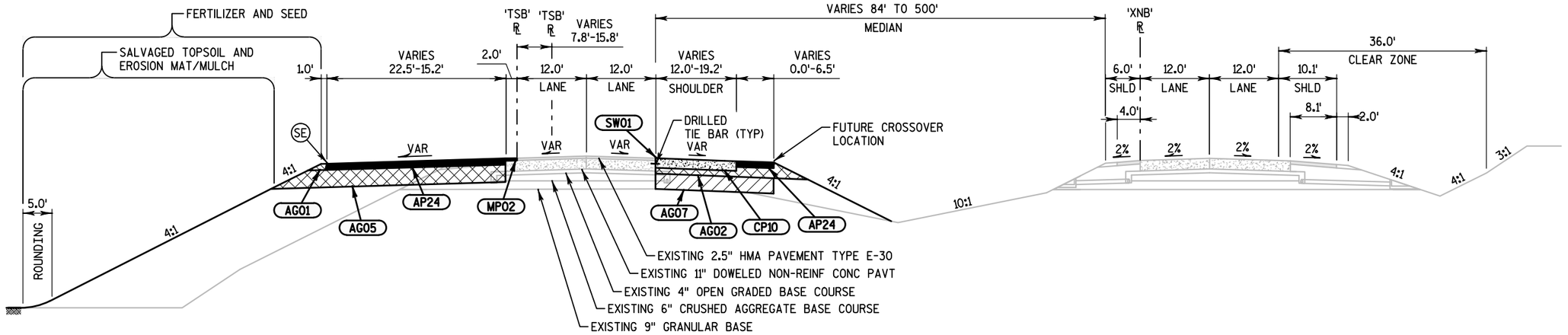
2



TYPICAL EXISTING SECTION

CTH MN
47+62'MN' TO 52+92'MN'

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

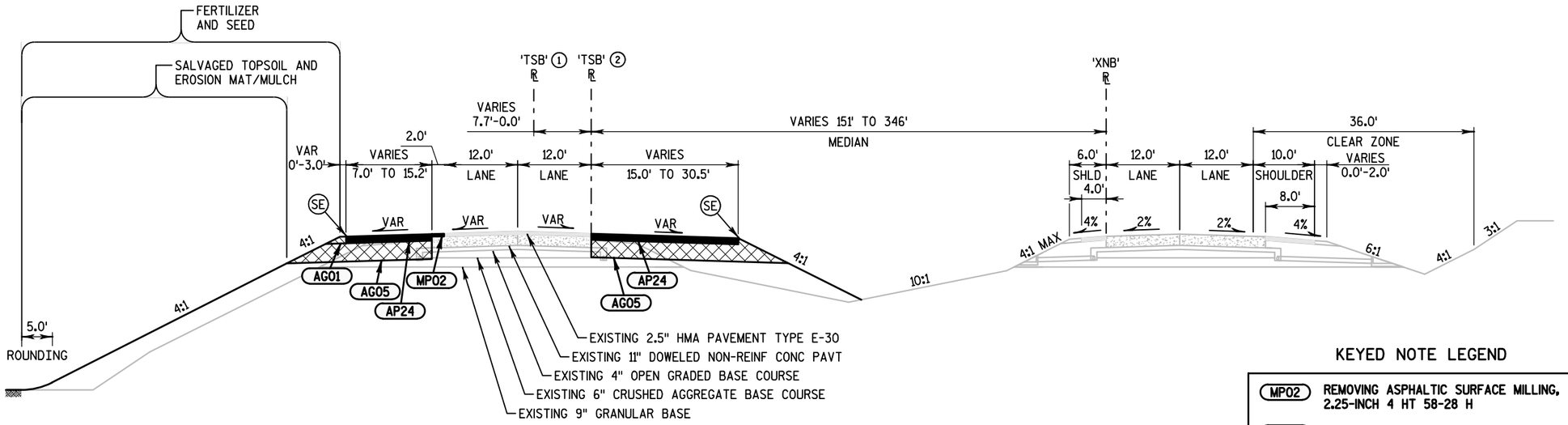


TYPICAL FINISHED SECTION

STA 1246+00'TSB' TO 1250+81'TSB'

KEYED NOTE LEGEND

AP24	6.0-INCH HMA PAVEMENT NEW CONSTRUCTION 2.25-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H 3.75-INCH LOWER LAYER HMA PAVEMENT 2 HT 58-28 S
CP10	CONCRETE PAVEMENT 10-INCH, DOWELED AND TINED
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2.25-INCH + 2.25-INCH 4 HT 58-28 H, 2.25-INCH
AG01	BASE AGGREGATE DENSE 3/4-INCH (6.0 OR 6.5-INCH)
AG02	BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
AG05	BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
AG07	SELECT CRUSHED MATERIAL, 16-INCH
SW01	SAWING ASPHALT
SE	SAFETY EDGE (INCIDENTAL)

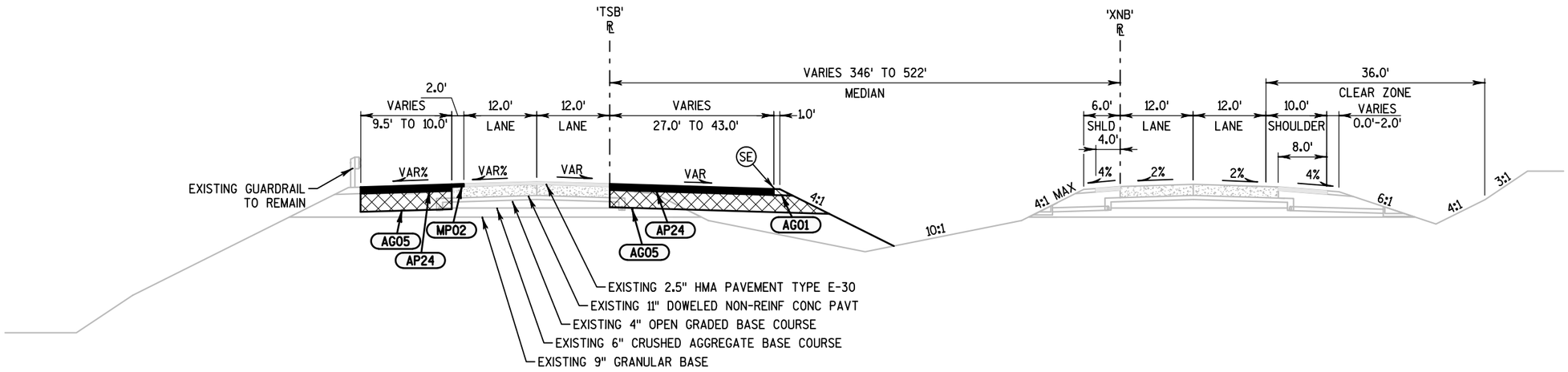


TYPICAL FINISHED SECTION

STA 1250+81'TSB' TO 1265+12'TSB' (1)
STA 1305+04'TSB' TO 1308+26'TSB' (2)

KEYED NOTE LEGEND

MP02	REMOVING ASPHALTIC SURFACE MILLING, 2.25-INCH 4 HT 58-28 H
AP24	2.25-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H 3.75-INCH LOWER LAYER HMA PAVEMENT 2 HT 58-28 S
AG01	BASE AGGREGATE DENSE 3/4-INCH
AG05	BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
SE	SAFETY EDGE (INCIDENTAL)

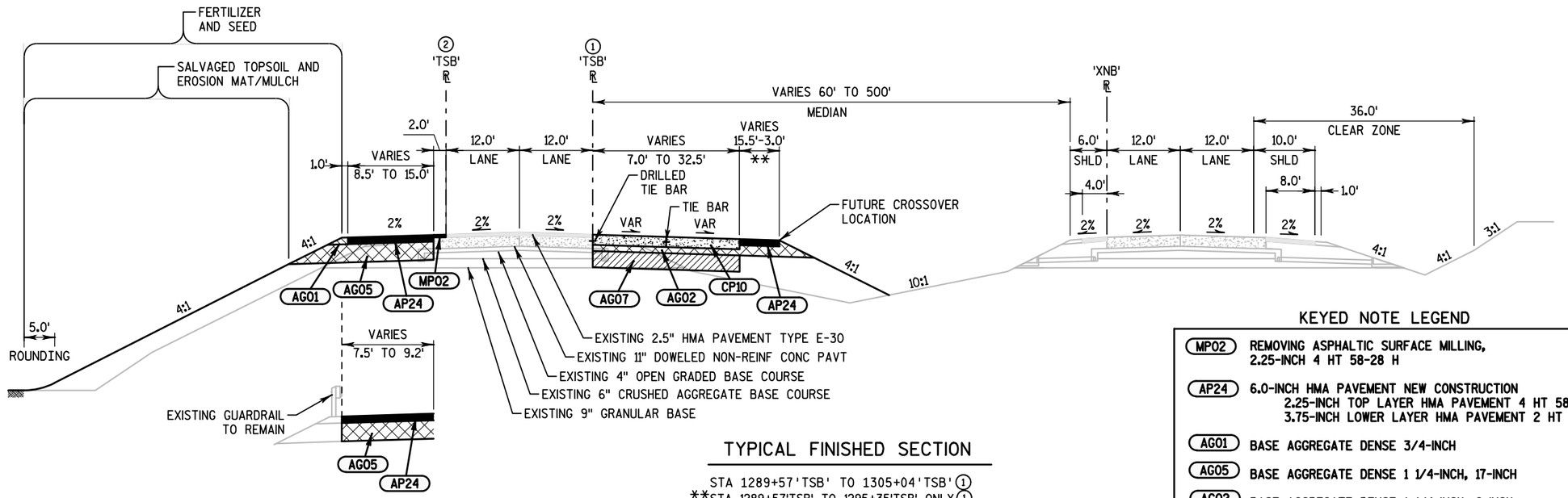


TYPICAL FINISHED SECTION

STA 1265+12'TSB' TO 1289+57'TSB'

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET 8	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS



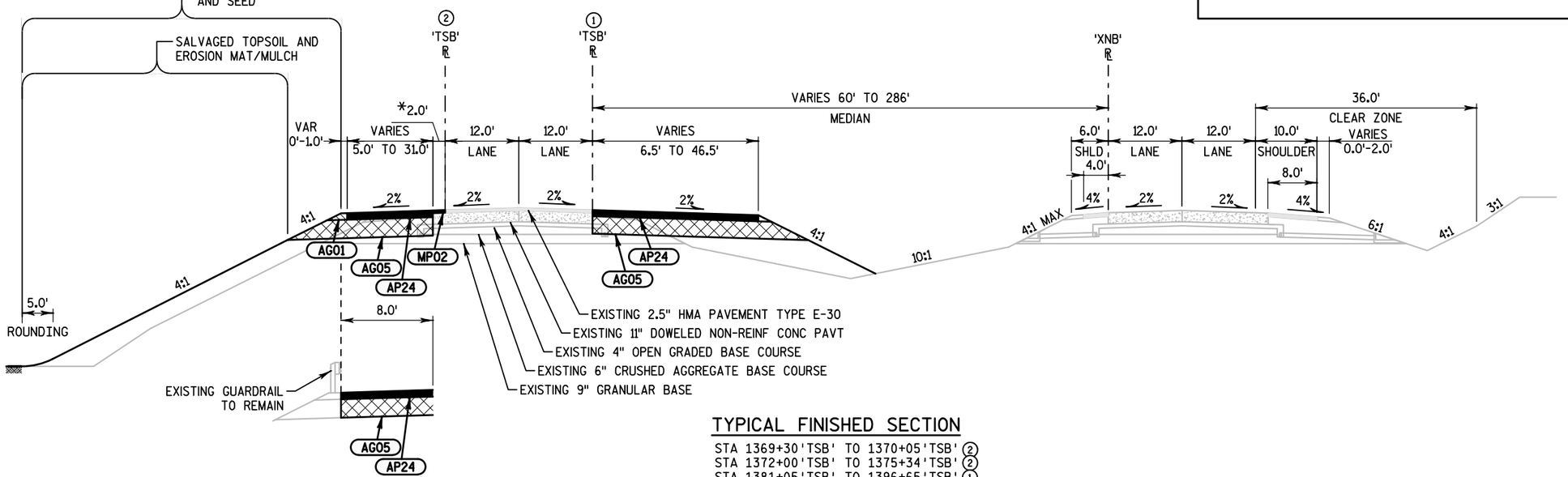
STA 1289+57'TSB' TO 1304+96'TSB', LT

TYPICAL FINISHED SECTION

STA 1289+57'TSB' TO 1305+04'TSB' ①
**STA 1289+57'TSB' TO 1295+35'TSB' ONLY ①
STA 1375+34'TSB' TO 1381+05'TSB' ②

KEYED NOTE LEGEND

MP02	REMOVING ASPHALTIC SURFACE MILLING, 2.25-INCH 4 HT 58-28 H
AP24	6.0-INCH HMA PAVEMENT NEW CONSTRUCTION 2.25-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H 3.75-INCH LOWER LAYER HMA PAVEMENT 2 HT 58-28 S
AG01	BASE AGGREGATE DENSE 3/4-INCH
AG05	BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
AG02	BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
CP10	CONCRETE PAVEMENT 10-INCH, DOWELED AND TINED
AG07	SELECT CRUSHED MATERIAL, 16-INCH



*STA 1393+15'TSB' TO 1396+65'TSB', LT
NO SHOULDER MILLING REQ'D

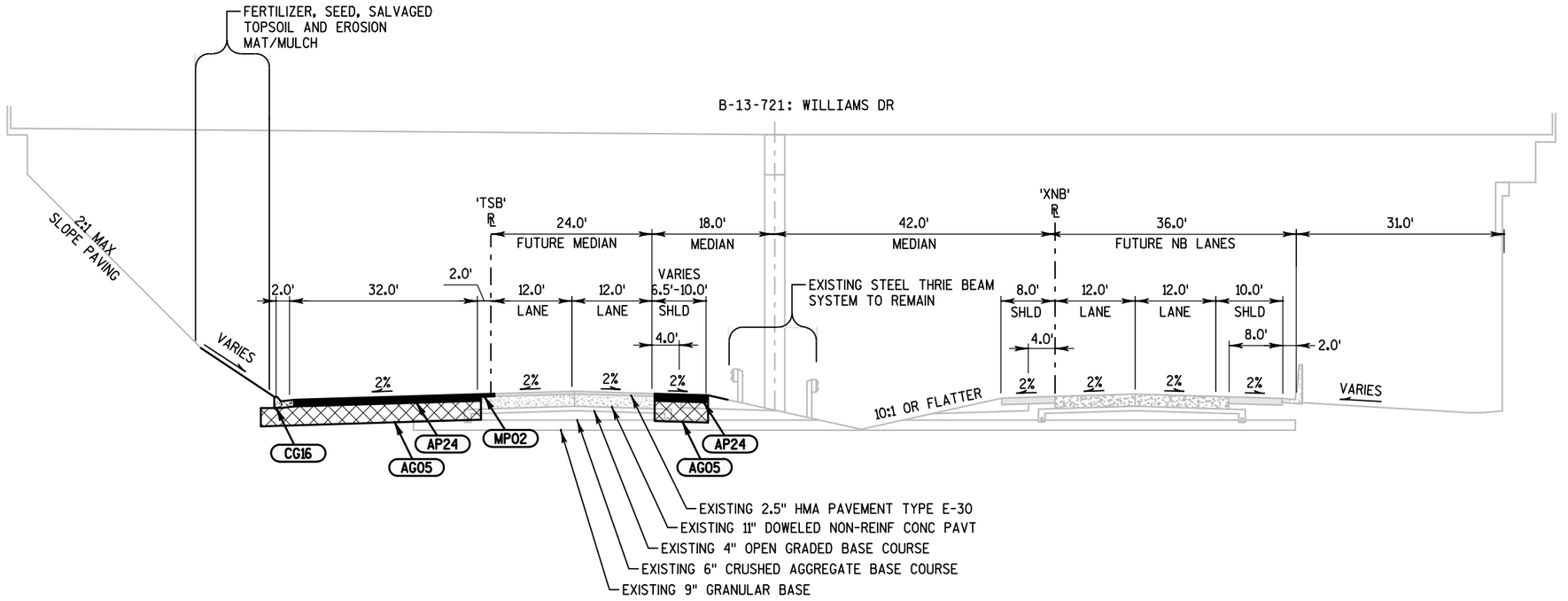
STA 1438+13'TSB' TO 1440+00'TSB', LT

TYPICAL FINISHED SECTION

STA 1369+30'TSB' TO 1370+05'TSB' ②
STA 1372+00'TSB' TO 1375+34'TSB' ②
STA 1381+05'TSB' TO 1396+65'TSB' ①
STA 1408+65'TSB' TO 1439+79'TSB', RT
STA 1425+13'TSB' TO 1440+00'TSB', LT

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET 9	E

2



TYPICAL FINISHED SECTION - IH 39

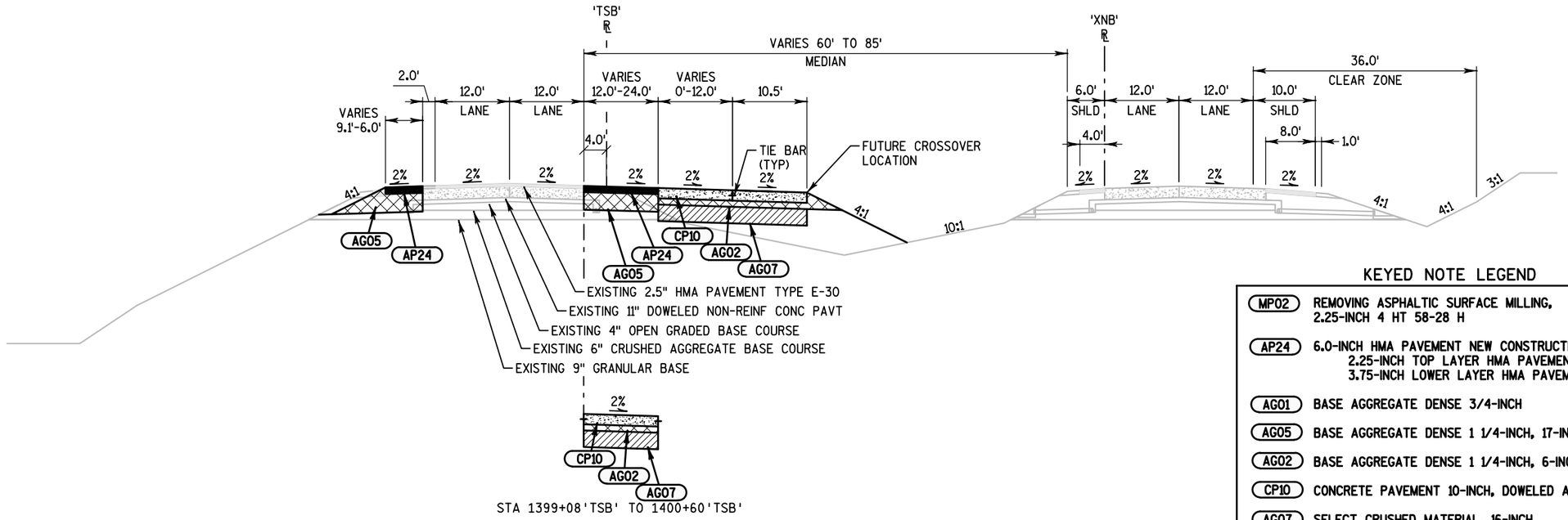
STA 1370+05'TSB' TO 1372+00'TSB'

KEYED NOTE LEGEND

MP02	REMOVING ASPHALTIC SURFACE MILLING, 2.25-INCH 4 HT 58-28 H
AP24	2.25-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H 3.75-INCH LOWER LAYER HMA PAVEMENT 2 HT 58-28 S
AG01	BASE AGGREGATE DENSE 3/4-INCH
AG05	BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
CG16	CONCRETE CURB & GUTTER 4-INCH SLOPED, 36-INCH TYPE D

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

2



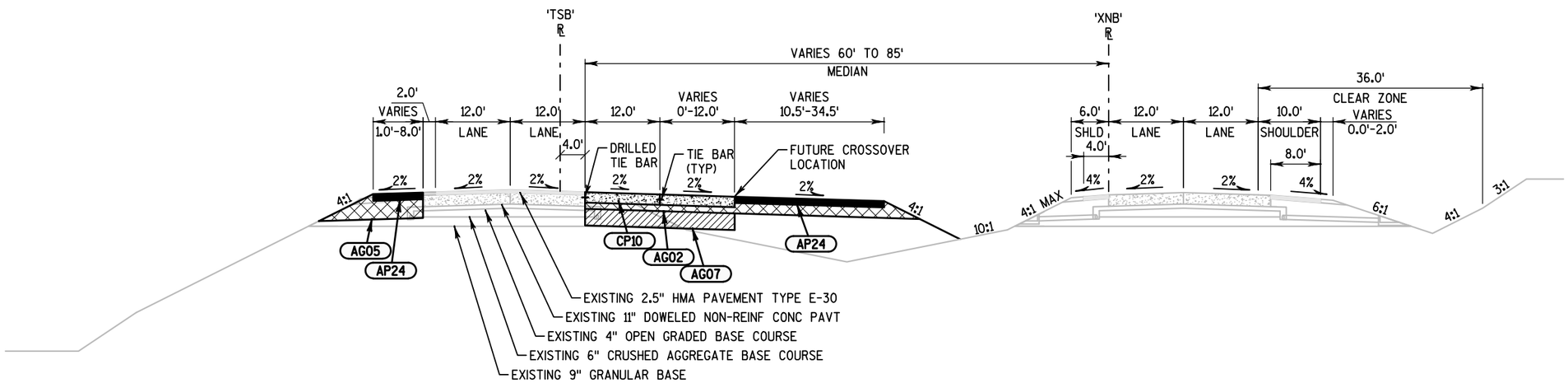
STA 1399+08'TSB' TO 1400+60'TSB'

TYPICAL FINISHED SECTION

STA 1396+65'TSB' TO 1400+60'TSB', RT
STA 1396+65'TSB' TO 1403+56'TSB', LT

KEYED NOTE LEGEND

MP02	REMOVING ASPHALTIC SURFACE MILLING, 2.25-INCH 4 HT 58-28 H
AP24	6.0-INCH HMA PAVEMENT NEW CONSTRUCTION 2.25-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H 3.75-INCH LOWER LAYER HMA PAVEMENT 2 HT 58-28 S
AG01	BASE AGGREGATE DENSE 3/4-INCH
AG05	BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
AG02	BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
CP10	CONCRETE PAVEMENT 10-INCH, DOWELED AND TINED
AG07	SELECT CRUSHED MATERIAL, 16-INCH

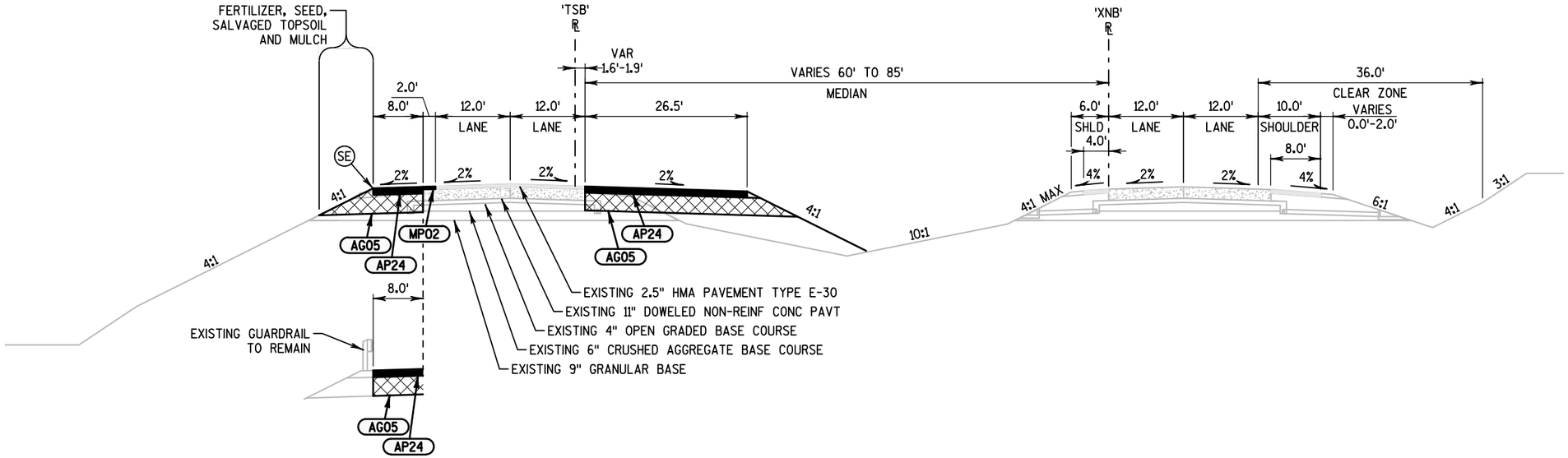


TYPICAL FINISHED SECTION

STA 1400+60'TSB' TO 1408+65'TSB', RT
STA 1421+27'TSB' TO 1423+84'TSB', LT

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET 11	E

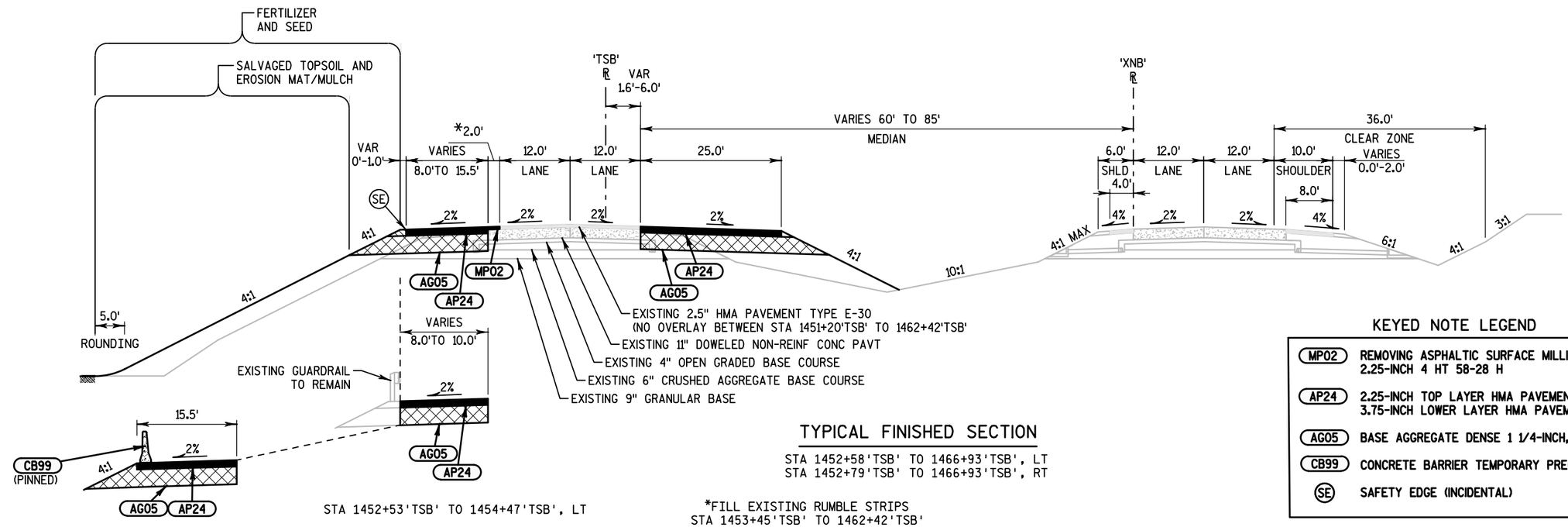
SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I084\SEC 02 TYPICAL SECTIONS & DETAILS



STA 1442+42'TSB' TO 1448+17'TSB', LT
STA 1449+09 'TSB' TO 1451+71 'TSB', LT

TYPICAL FINISHED SECTION

STA 1403+56'TSB' TO 1421+27'TSB', LT
STA 1442+10'TSB' TO 1451+71'TSB'



STA 1459+57'TSB' TO 1462+57'TSB', LT

STA 1452+53'TSB' TO 1454+47'TSB', LT

TYPICAL FINISHED SECTION

STA 1452+58'TSB' TO 1466+93'TSB', LT
STA 1452+79'TSB' TO 1466+93'TSB', RT

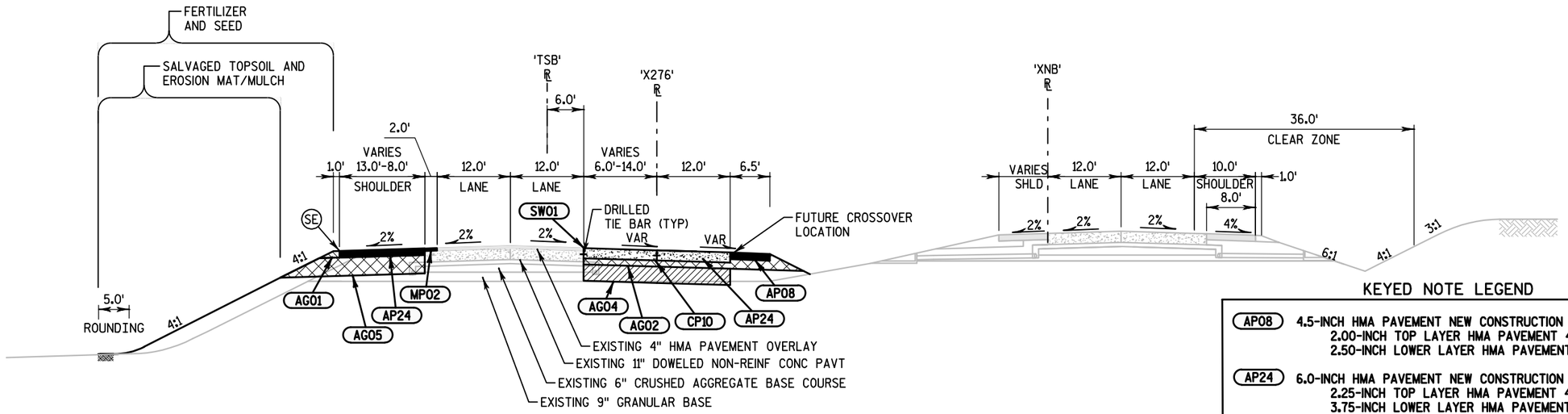
*FILL EXISTING RUMBLE STRIPS
STA 1453+45'TSB' TO 1462+42'TSB'

KEYED NOTE LEGEND

MP02	REMOVING ASPHALTIC SURFACE MILLING, 2.25-INCH 4 HT 58-28 H
AP24	2.25-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H 3.75-INCH LOWER LAYER HMA PAVEMENT 2 HT 58-28 S
AG05	BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
CB99	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
SE	SAFETY EDGE (INCIDENTAL)

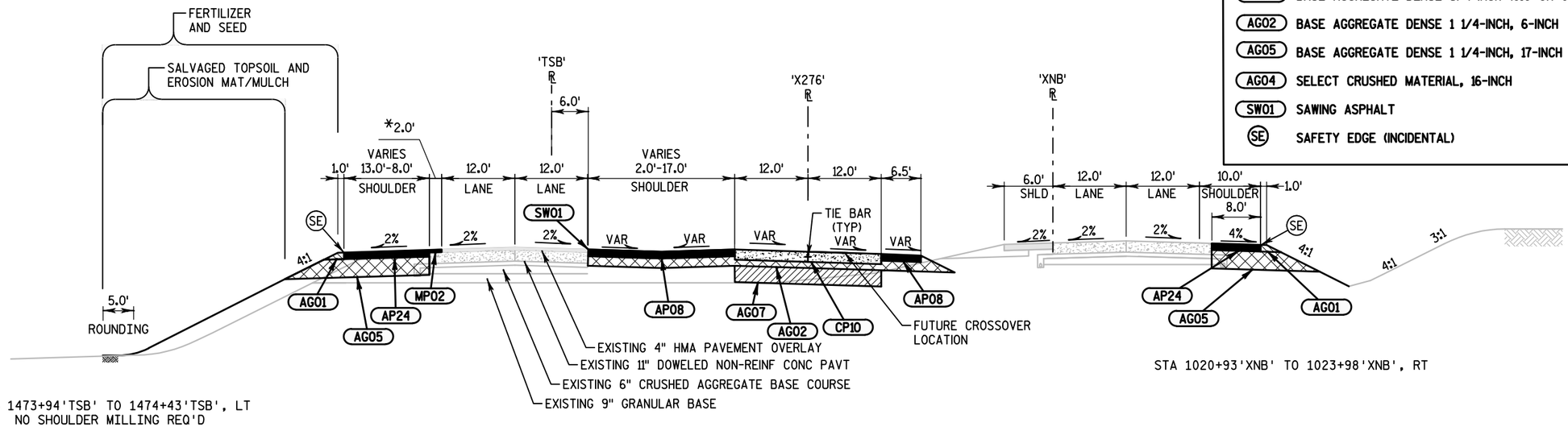
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007101084\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 020300_TS (FIN TYP SEC MAINLINE).DWG
PLOT DATE : 3/3/2017 9:41 AM
PLOT BY : SEH INC
LAYOUT NAME : 06
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION - IH 39

STA 1466+93'TSB' TO 1470+81'TSB'



*STA 1473+94'TSB' TO 1474+43'TSB', LT
NO SHOULDER MILLING REQ'D

STA 1020+93'XNB' TO 1023+98'XNB', RT

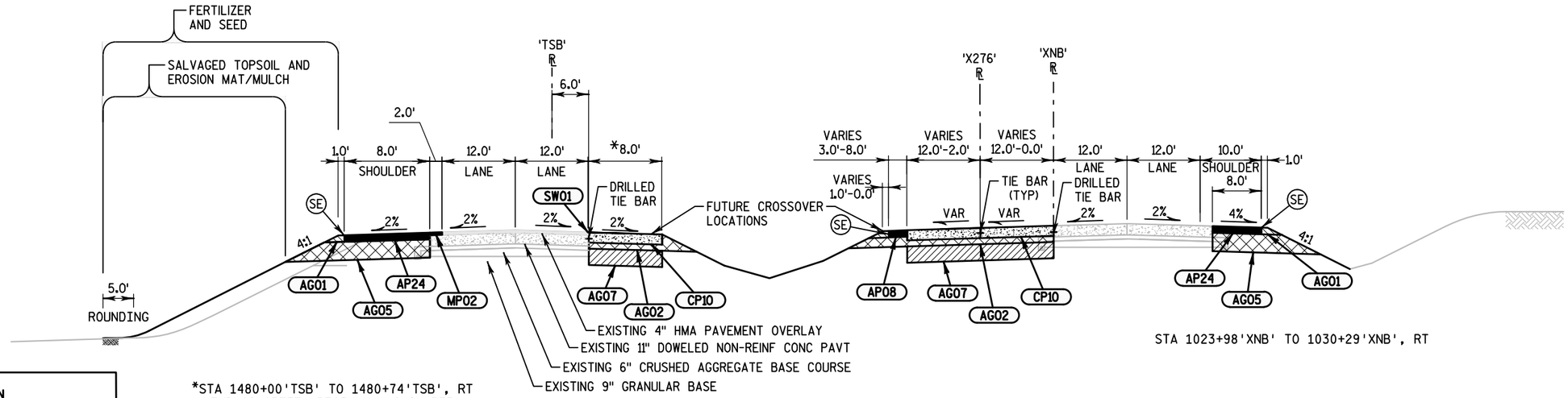
TYPICAL FINISHED SECTION - IH 39

STA 1470+81'TSB' TO 1474+43'TSB'

KEYED NOTE LEGEND

AP08	4.5-INCH HMA PAVEMENT NEW CONSTRUCTION 2.00-INCH TOP LAYER HMA PAVEMENT 4 MT 58-28 S 2.50-INCH LOWER LAYER HMA PAVEMENT 3 MT 58-28 S
AP24	6.0-INCH HMA PAVEMENT NEW CONSTRUCTION 2.25-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H 3.75-INCH LOWER LAYER HMA PAVEMENT 2 HT 58-28 S
CP10	CONCRETE PAVEMENT 10-INCH, DOWELED AND TINED
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2.25-INCH + 2.25-INCH 4 HT 58-28 H, 2.25-INCH
AG01	BASE AGGREGATE DENSE 3/4-INCH (6.0 OR 6.5-INCH)
AG02	BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
AG05	BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
AG04	SELECT CRUSHED MATERIAL, 16-INCH
SW01	SAWING ASPHALT
SE	SAFETY EDGE (INCIDENTAL)

2



*STA 1480+00'TSB' TO 1480+74'TSB', RT
END CONCRETE, BEGIN HMA SHOULDER

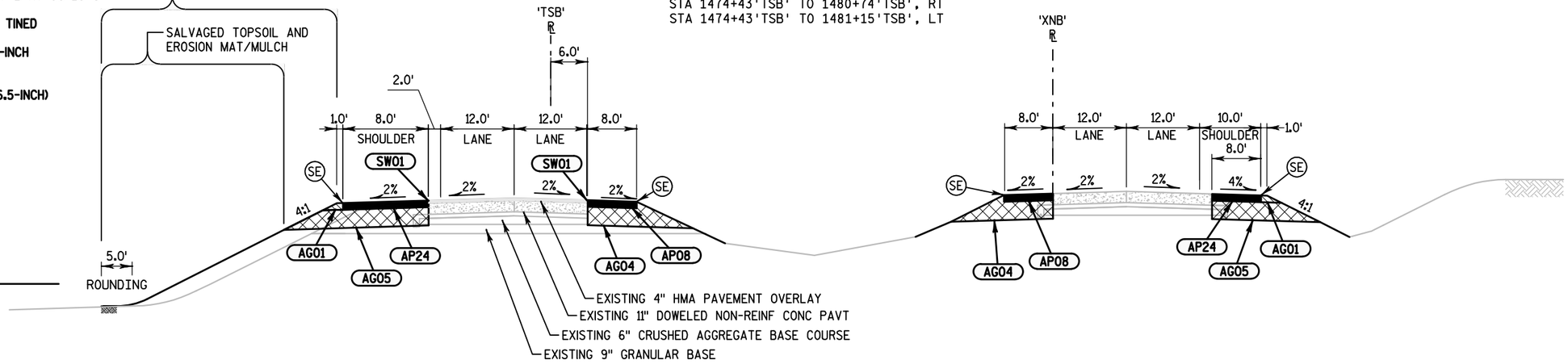
STA 1023+98'XNB' TO 1030+29'XNB', RT

KEYED NOTE LEGEND

- (AP08) 4.5-INCH HMA PAVEMENT NEW CONSTRUCTION
  2.00-INCH TOP LAYER HMA PAVEMENT 4 MT 58-28 S
  2.50-INCH LOWER LAYER HMA PAVEMENT 3 MT 58-28 S
- (AP24) 6.0-INCH HMA PAVEMENT NEW CONSTRUCTION
  2.25-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H
  3.75-INCH LOWER LAYER HMA PAVEMENT 2 HT 58-28 S
- (CP10) CONCRETE PAVEMENT 10-INCH, DOWELED AND TINED
- (MP02) REMOVING ASPHALTIC SURFACE MILLING, 2.25-INCH + 2.25-INCH 4 HT 58-28 H, 2.25-INCH
- (AG01) BASE AGGREGATE DENSE 3/4-INCH (6.0 OR 6.5-INCH)
- (AG02) BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
- (AG04) BASE AGGREGATE DENSE 1 1/4-INCH, 13-INCH
- (AG05) BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
- (AG07) SELECT CRUSHED MATERIAL, 16-INCH
- (SW01) SAWING ASPHALT
- (SE) SAFETY EDGE (INCIDENTAL)

TYPICAL FINISHED SECTION - IH 39

STA 1474+43'TSB' TO 1480+74'TSB', RT
STA 1474+43'TSB' TO 1481+15'TSB', LT



TYPICAL FINISHED SECTION - IH 39

STA 1480+74'TSB' TO 1481+94'TSB',RT
STA 1481+15'TSB' TO 1484+34'TSB',LT

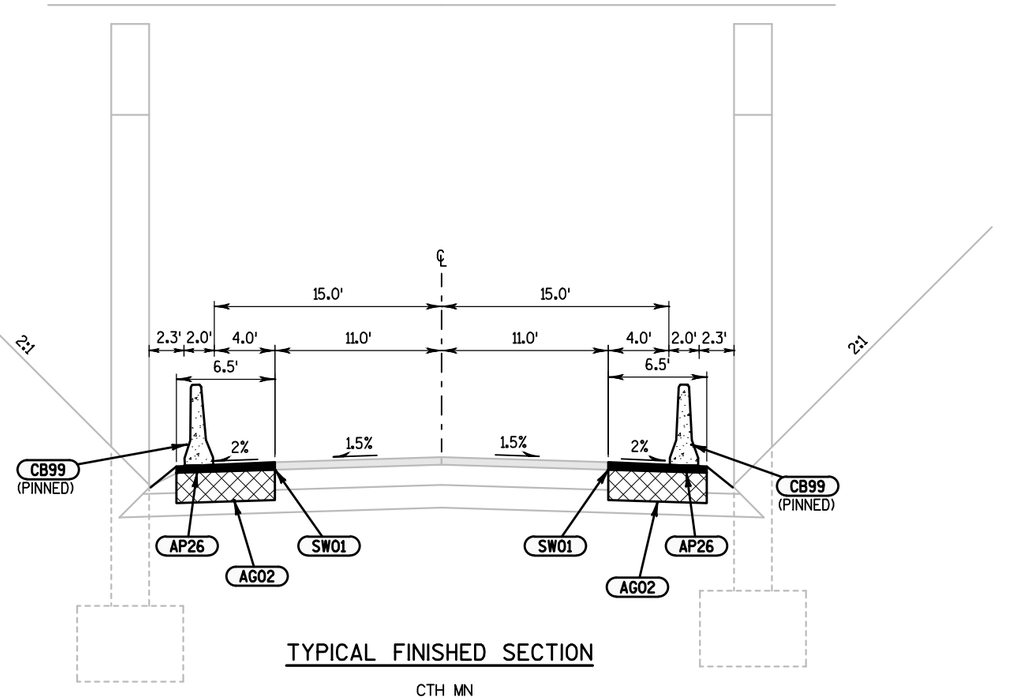
STA 1030+29'XNB' TO 1032+22'XNB',LT
STA 1030+29'XNB' TO 1034+59'XNB',RT

PROJECT NO:1007-10-84	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET 14	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 020300_TS (FIN TYP SEC MAINLINE).DWG
PLOT DATE : 3/3/2017 9:41 AM
PLOT BY : SEH INC
LAYOUT NAME : 08
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

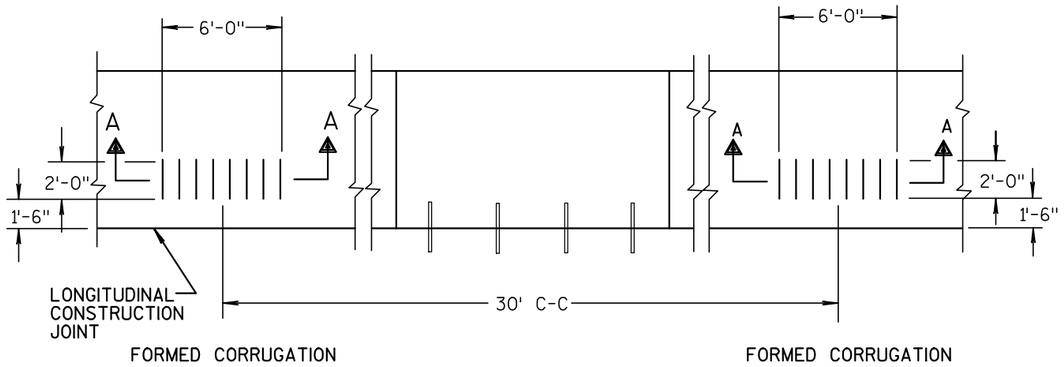


TYPICAL FINISHED SECTION

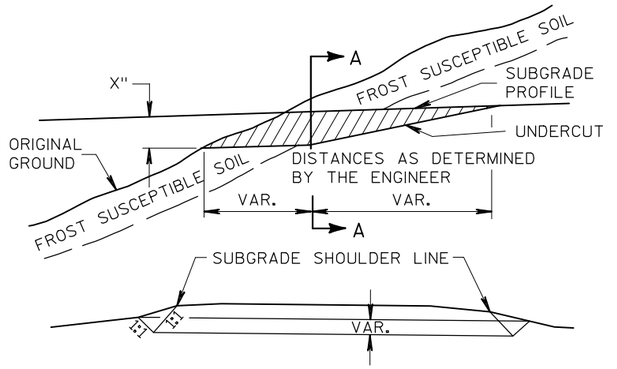
CTH MN
47+62'MN' TO 52+92'MN'

KEYED NOTE LEGEND

AP26	2.00-INCH TOP LAYER HMA PAVEMENT 4 LT 58-28 S 2.50-INCH LOWER LAYER HMA PAVEMENT 3 LT 58-28 S
AG02	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH
SW01	SAWING ASPHALT
CB99	CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE



PLAN VIEW OF CONCRETE SHOULDER



SECTION A-A

CROSS SECTION SHOWING UNDERCUT

EXCAVATION BELOW SUBGRADE AT CUTS

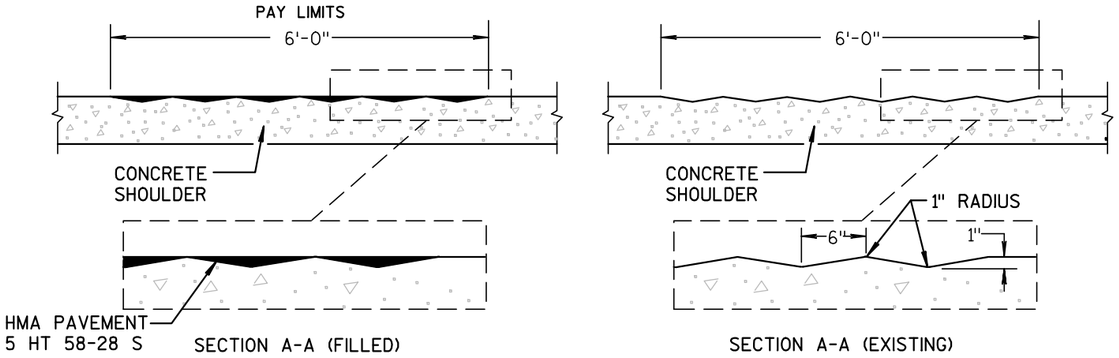
NOTE:

EXACT LOCATIONS AND EXTENT OF EBS SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

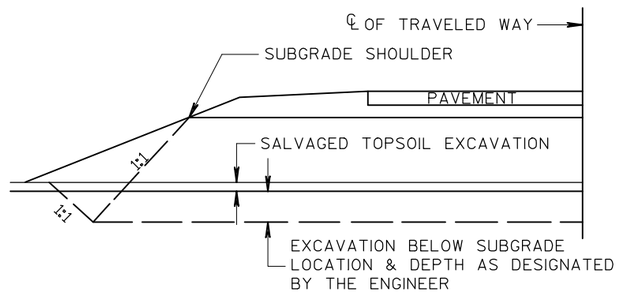
EBS AREA TO BE BACKFILLED WITH SELECT BORROW OR WITH MATERIAL ACCEPTABLE TO THE ENGINEER.

BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.

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



FILL EXISTING RUMBLE STRIPS



EXCAVATION BELOW SUBGRADE

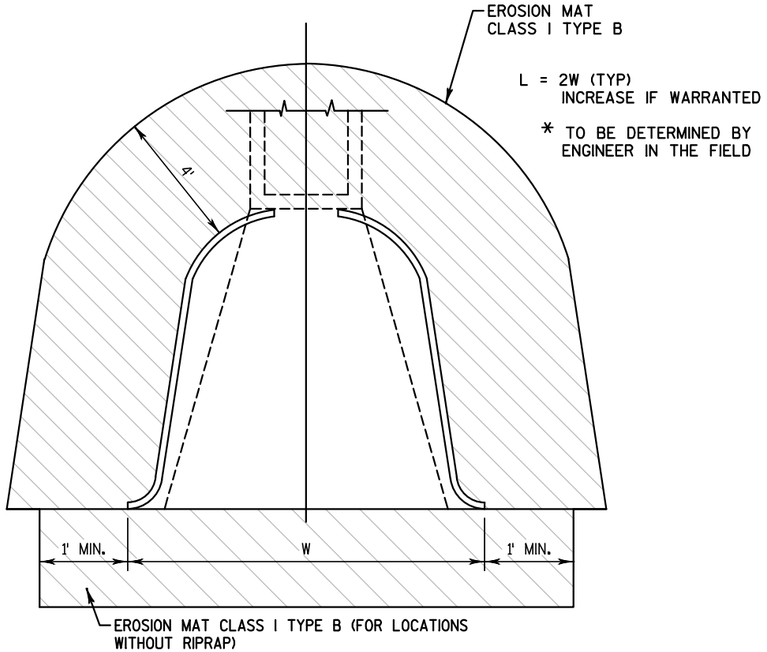
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYP

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											

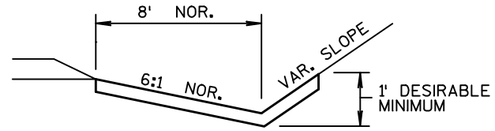
TOTAL PROJECT AREA = 209.4 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 33.0 ACRES

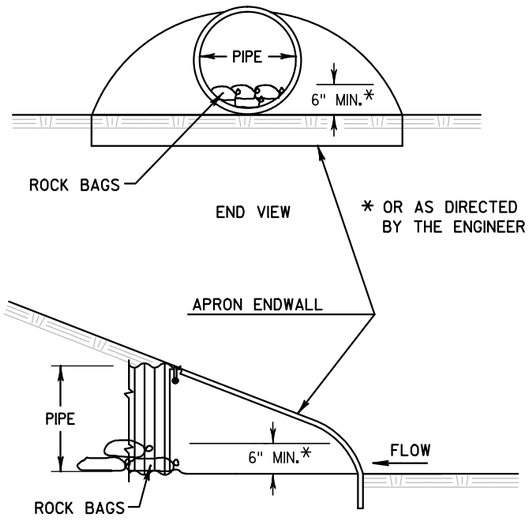


EROSION MAT AT APRON ENDWALLS

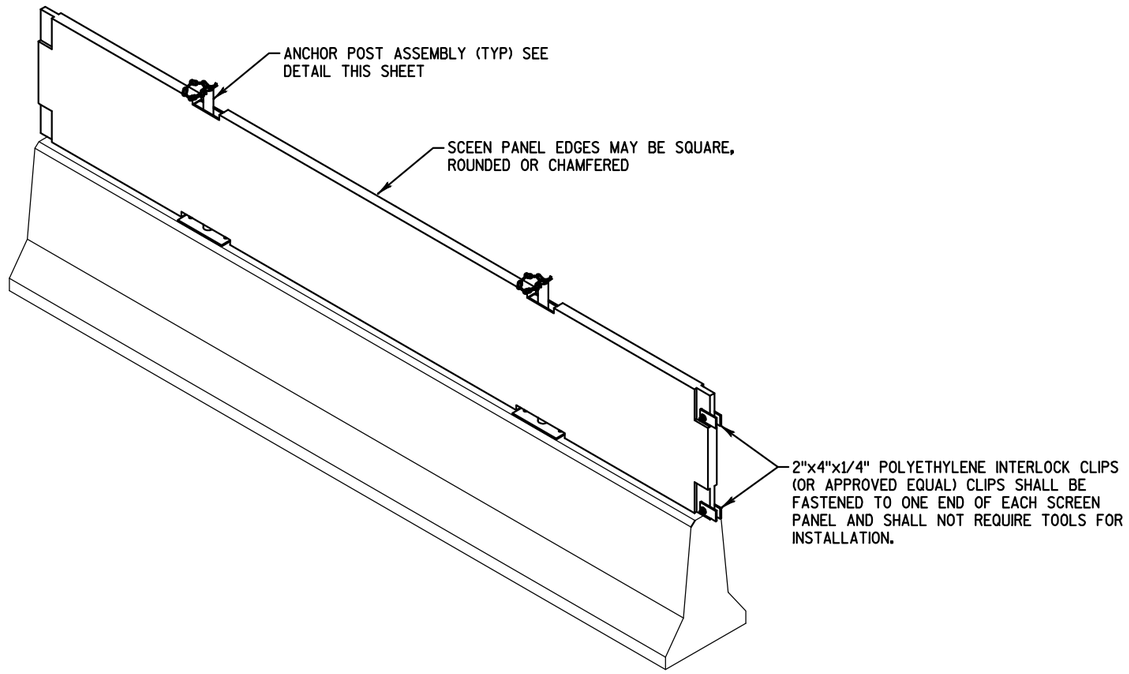
(SEE EROSION CONTROL PLANS FOR APPROXIMATE LOCATIONS)



EROSION MAT FOR DITCHES



CULVERT PIPE CHECK



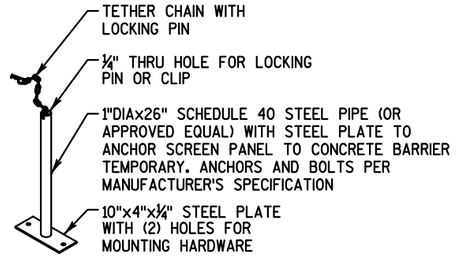
NOTE:

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.

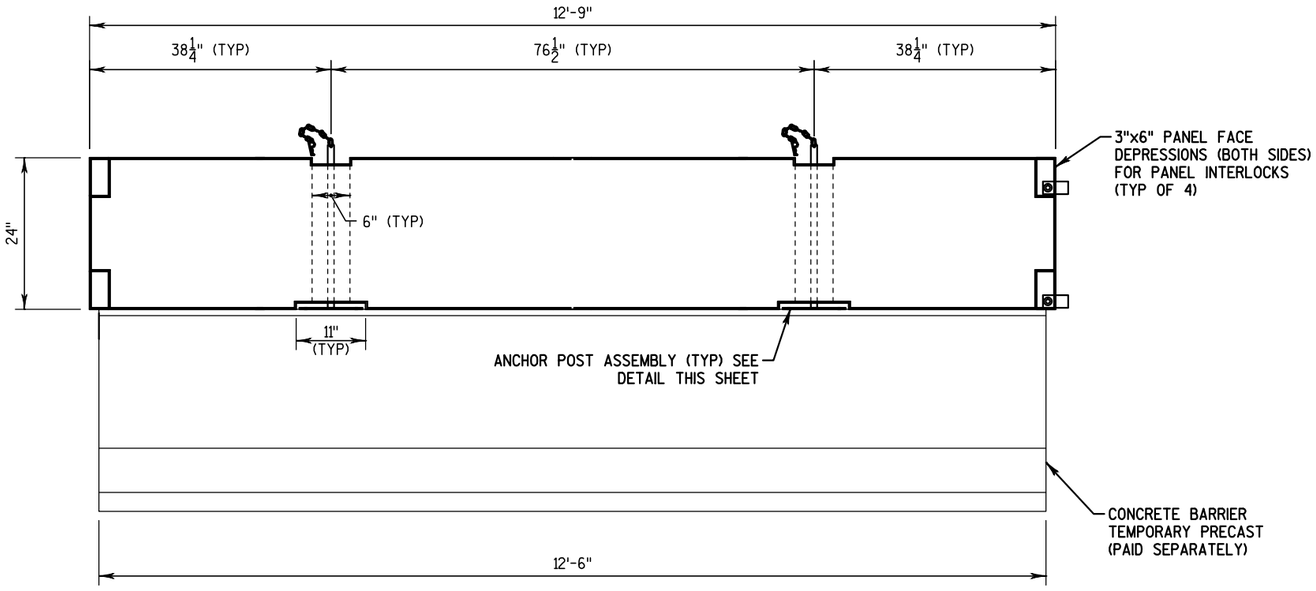
VENT HOLES THROUGH THE SCREEN PANEL ARE PERMITTED BUT NOT REQUIRED. IF VENT HOLES ARE USED, THE HOLES SHALL NOT EXCEED 3-INCHES IN DIAMETER AND SHALL BE LIMITED TO 24 OR LESS PER PANEL.

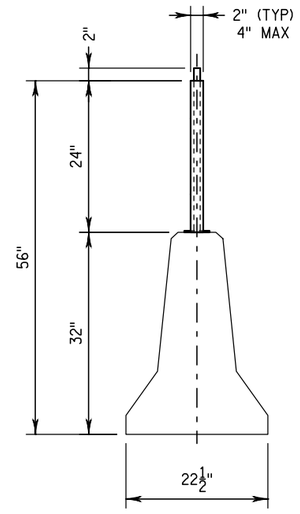
SCREEN PANELS SHALL HAVE A NON-REFLECTIVE MAT OR FLAT GRAY FINISH OR PAINTED SURFACE.

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



ANCHOR POST ASSEMBLY



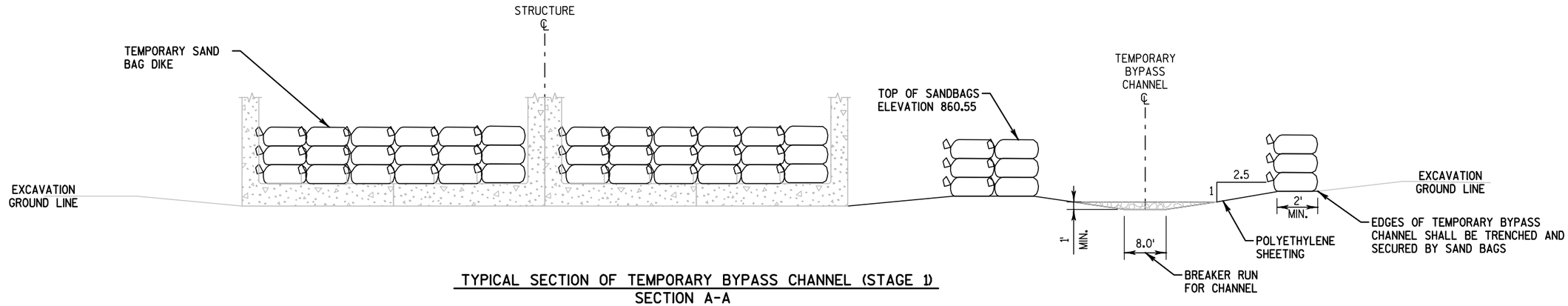


TRAFFIC CONTROL GAWK SCREEN

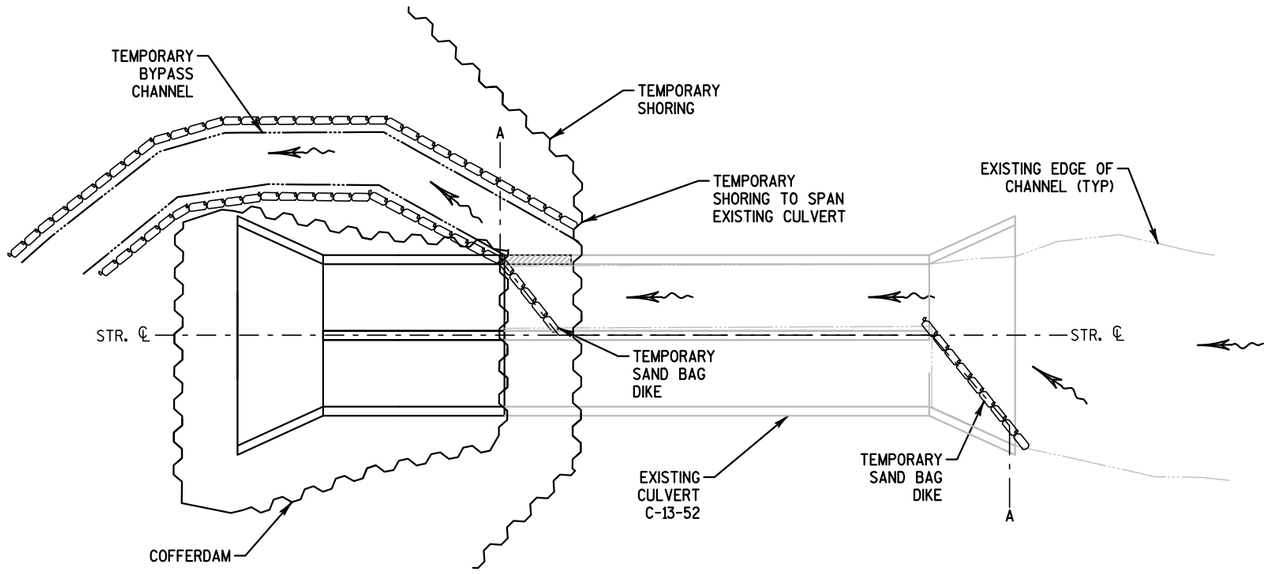
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071081\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021000_CD (CSTR DET).DWG PLOT DATE : 1/31/2017 9:54 PM PLOT BY : SEH LAYOUT NAME : 021003_CD PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



TYPICAL SECTION OF TEMPORARY BYPASS CHANNEL (STAGE 1)
SECTION A-A



PLAN VIEW OF TEMPORARY BYPASS CHANNEL (STAGE 1)

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. 860.55 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.

2

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

N

PROPOSED RW (TYP)

BEGIN CONSTRUCTION, FENCE WOVEN WIRE 4-FOOT MATCH FENCE INSTALLED UNDER PROJECT ID 1007-10-88

DELINEATED WETLANDS (TYP)

BEGIN PROJECT 1007-10-84
END PROJECT 1007-10-88
STA 1246+00.00'TSB'
Y=455,388.294
X=879,696.298

1246+00.00'TSB'
86.17'LT

1246+99.44'TSB'
77.94'LT

1246+00.00'TSB'
33.00'LT

3.0'

FE01

RM03

1244'TSB'

IH 39 SB

1245'TSB'

℄ 'TSB'

1246+00.00'TSB'
8.08'LT

1246'TSB'

1246+00.00'TSB'
15.54'RT

1247'TSB'

1.0'

AG01

2.0'

33.0'

AP24

MP02

1248'TSB'

SW01

1249'TSB'

30.5'

CP10

MATCH LINE 1249+25'TSB'

1246+00.00'TSB'
30.50'RT

SB WIDENING WORK UNDER PROJECT ID 1007-10-88

1248+43.60'TSB'
30.50'RT

AP24

794'XNB'

795'XNB'

796'XNB'

SLOPE INTERCEPT (TYP)

FUTURE CROSSOVER LOCATION

IH 39 NB

797'XNB'

℄ 'XNB'

798'XNB'

799'XNB'

CAUTION
ATC
(345kV)

EXISTING RW (TYP)

HO

ATC TOWER

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 01 OF 35	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG
PLOT DATE : 2/1/2017 7:22 AM
PLOT BY : SEH
LAYOUT NAME : 01
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

2

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

N

PROPOSED RW (TYP)

EXISTING RW (TYP)

RM03

FE01

3.0'

1252+54.70'TSB'
80.97'LT

AG01

AP24

MP02

SW01

1.0'

2.0'

33.0'

27.0'

IH 39 SB

MATCH LINE 1249+25'TSB'

MATCH LINE 1255+00'TSB'

1250'TSB'

1251'TSB'

1252'TSB'

1253'TSB'

1254'TSB'

1255

1250+81.28'TSB'
7.67'RT

℄ 'TSB'

CP10

VARIES
30.5'-24.0'

30.5'

1250+81.28'TSB'
24.00'RT

1251+99.97'TSB'
30.50'RT

1252+41.03'TSB'
28.00'RT

1252+59.55'TSB'
27.00'RT

FUTURE CROSSOVER LOCATION

SLOPE INTERCEPT (TYP)

DELINEATED WETLANDS (TYP)

800'XNB'

801'XNB'

802'XNB'

803'XNB'

℄ 'XNB'

IH 39 NB

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS PAGE 02 OF 35	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG

PLOT DATE : 2/1/2017 7:22 AM

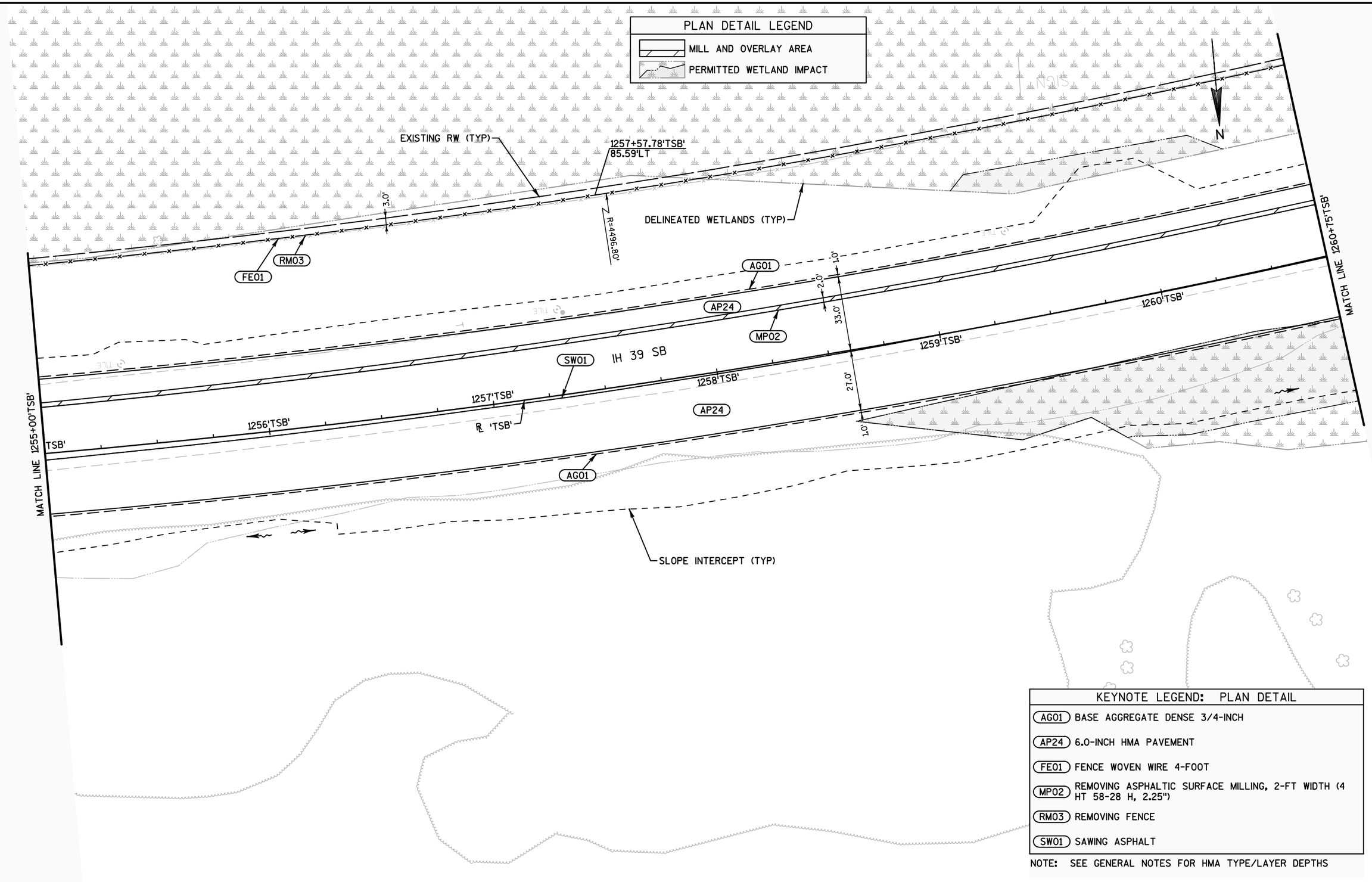
PLOT BY : SEH

LAYOUT NAME : 02

PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2



KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

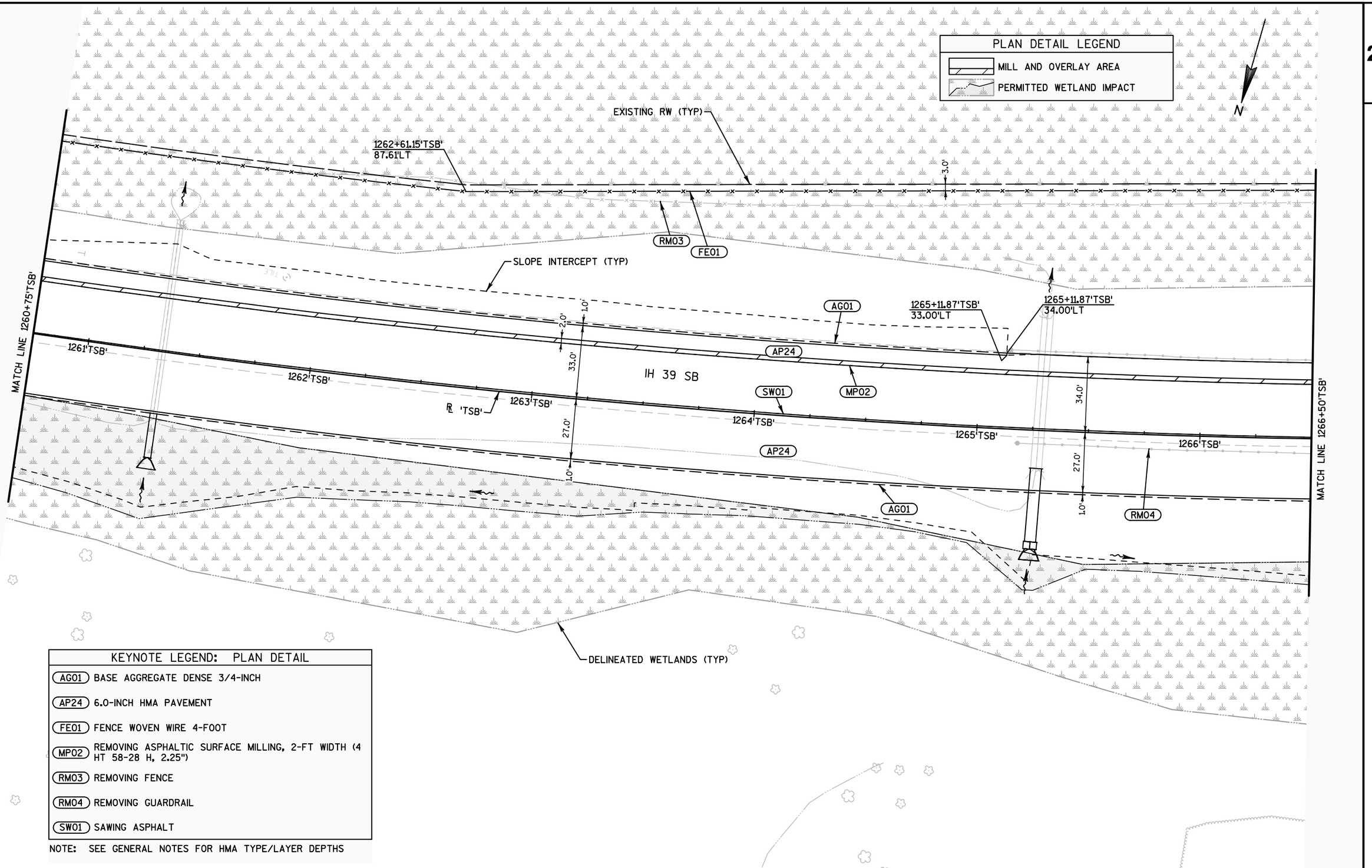
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 03 OF 35	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 2/1/2017 7:23 AM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

2



KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

2

1296+69.23'TSB'
169.68'LT

PROPOSED RW (TYP)

EXISTING RW (TYP)

3.0'

FE01

RM03

N

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

2.0'

34.0'

AP24

IH 39 SB

SW01

MP02

MATCH LINE 1295+25'TSB'

1296'TSB'

1297'TSB'

1298'TSB'

1299'TSB'

℄ 'TSB'

1300'TSB'

1301

MATCH LINE 1301+00'TSB'

30.5'

CP10

1295+34.87'TSB'
30.50'RT

1295+34.87'TSB'
32.50'RT

1295+34.87'TSB'
35.50'RT

SLOPE INTERCEPT (TYP)

KEYNOTE LEGEND: PLAN DETAIL

AP24	6.0-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 05 OF 35	SHEET 24	E

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007184\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

N

PROPOSED RW (TYP)

EXISTING RW (TYP)

3.0'

1268+70.88'TSB'
112.13'LT

FE01

RM03

MATCH LINE 1266+50'TSB'

AP24

2.0'

IH 39 SB

SW01

MP02

34.0'

1267'TSB'

1268'TSB'

1269'TSB'

℄ 'TSB'

1270'TSB'

1271'TSB'

1272'TSB'

27.0'

AP24

1.0'

MATCH LINE 1272+25'TSB'

RM04

AG01

DELINEATED WETLANDS (TYP)

SLOPE INTERCEPT (TYP)

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007\1001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 06 OF 35	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 2/1/2017 7:24 AM | PLOT BY : SEH | LAYOUT NAME : 06 | PLOT SCALE : 1.0 IN = 40.0 FT

2

1273+63.23'TSB'
150.93'LT

PROPOSED RW (TYP)

EXISTING RW (TYP)

FE01

RM03

DELINEATED
WETLANDS (TYP)

N

AP24

MP02

SW01

IH 39 SB

2.0'

34.0'

27.0'

1.0'

MATCH LINE 1272+25'TSB'

1273'TSB'

1274'TSB'

1275'TSB'

℄ 'TSB'

1276'TSB'

1277'TSB'

1278

MATCH LINE 1278+00'TSB'

AP24

AG01

SLOPE INTERCEPT (TYP)

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 2/1/2017 7:24 AM PLOT BY : SEH LAYOUT NAME : 07 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

PLAN DETAIL LEGEND

- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT

N

PROPOSED RW (TYP)

DELINEATED WETLANDS (TYP)

3.0'

FE01

EXISTING RW (TYP)

MATCH LINE 1278+00'TSB'

1279'TSB'

1280'TSB'

1281'TSB'

1282'TSB'

1283'TSB'

AP24

SW01

MP02

2.0"

34.0'

IH 39 SB

1278+49.93'TSB'
27.00'RT

AG01

VARIES
27.0'-35.0'

1.0"

R=7601.08'

1280+99.80'TSB'
35.00'RT

FUTURE TEMPORARY EMERGENCY PULLOUT

MATCH LINE 1283+75'TSB'

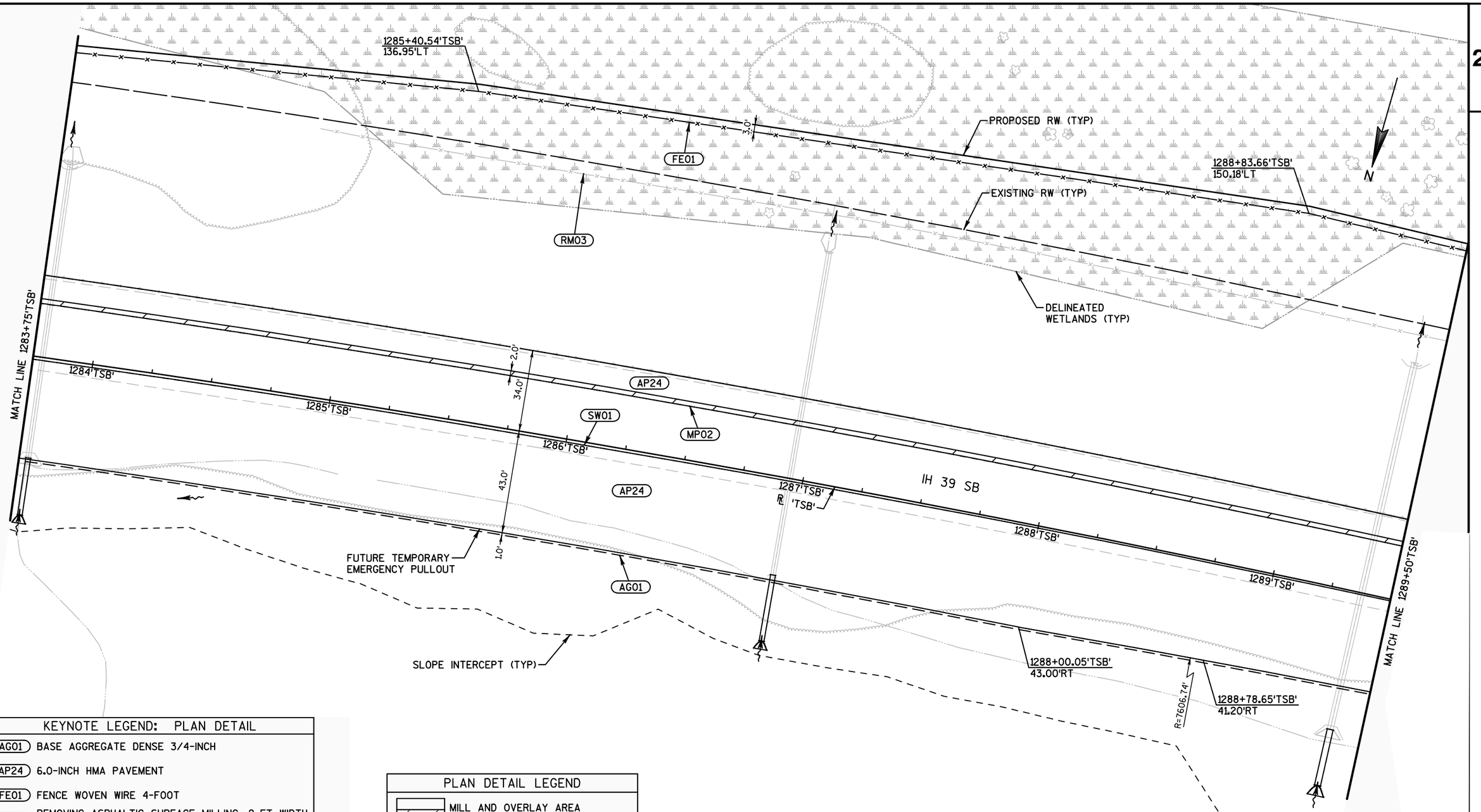
1283+49.93'TSB'
43.00'RT

SLOPE INTERCEPT (TYP)

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

2



KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 09 OF 35	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 2/1/2017 7:25 AM PLOT BY : SEH LAYOUT NAME : 09 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

2

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

N

DELINEATED WETLANDS (TYP)

PROPOSED RW (TYP)

EXISTING RW (TYP)

3.0'

FE01

RM03

AP24

MP02

SW01

CP10

AG01

IH 39 SB

2.0'

34.0'

VARIES 24.0'-32.5'

VAR 15.4'-2.0'

1.0'

1289'TSB'

1290'TSB'

1291'TSB'

1292'TSB'

1293'TSB'

1294'TSB'

1295'TSB'

℄ 'TSB'

MATCH LINE 1289+50'TSB'

MATCH LINE 1295+25'TSB'

1289+57.24'TSB'
0.73'RT

1289+57.24'TSB'
24.00'RT

1289+57.24'TSB'
39.41'RT

1292+28.51'TSB'
35.07'RT

1292+46.01'TSB'
26.13'RT

1294+99.72'TSB'
34.50'RT

1295+17.30'TSB'
34.99'RT

R=5462.61'

R=5474.81'

R=5473.00'

SLOPE INTERCEPT (TYP)

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 10 OF 35	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 2/1/2017 7:26 AM PLOT BY : SEH LAYOUT NAME : 10 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108A\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

PROPOSED RW (TYP)

N

3.0'

1302+94.20'TSB'
192.00'LT

EXISTING RW (TYP)

FE01

RM03

RM03

MATCH LINE 1301+00'TSB'

2.0'

34.0'

30.5'

IH 39 SB

AP24

SW01

MP02

1304+95.32'TSB'
34.00'LT

1304+95.32'TSB'
33.00'LT

1.0'

AG01

1305+04.40'TSB'
0.61'LT

33.0'

30.5'

CP10

AP24

1305+04.32'TSB'
30.50'RT

TSB' 1302'TSB' 1303'TSB' 1304'TSB' 1305'TSB' ℄ 'TSB' 1306'TSB'

MATCH LINE 1306+75'TSB'

SLOPE INTERCEPT (TYP)

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 11 OF 35	SHEET 30	E

2

2

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

N

MATCH FENCE INSTALLED UNDER PROJECT ID 1007-10-86

PROPOSED RW (TYP)

FE01

1307+78.54'TSB'
192.54'LT

EXISTING RW (TYP)

SB WIDENING WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-86

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

AG01

1307+26.29'TSB'
34.00'LT

1307+77.82'TSB'
33.00'LT

1308+25.87'TSB'
38.00'LT

1308+25.89'TSB'
35.00'LT

AP24

MP02

SW01

1308+26.09'TSB'
24.00'LT

2.0'

1.0'

33.0'

30.5'

MATCH LINE 1306+75'TSB'

1307'TSB'

1308'TSB'

AP24

1308+26.09'TSB'
0.00'RT

1309'TSB'

1310'TSB'

IH 39 SB

1311'TSB'

℄ 'TSB'

1312'TSB'

1308+26.09'TSB'
30.50'RT

SLOPE INTERCEPT (TYP)

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 12 OF 35	SHEET 31	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 2/1/2017 7:26 AM | PLOT BY : SEH | LAYOUT NAME : 12 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

2

PLAN DETAIL LEGEND
MILL AND OVERLAY AREA
PERMITTED WETLAND IMPACT

ALLIANT ENERGY

N

TLE

PROPOSED RW (TYP)

EXISTING RW (TYP)

SLOPE INTERCEPT (TYP)

AG01 1369+94.98'TSB' 34.00'LT

1369+29.86'TSB' 32.62'LT

AP24 1369+29.86'TSB' 0.92'RT

MP02 SW01 1369+29.86'TSB' 24.00'RT

AP24 1369+29.86'TSB' 36.60'RT

1.0' 2.0' 33.0' 24.0' VAR 36.6'-30.5'

MATCH LINE 1370+00'TSB'

4'TSB' 1365'TSB' 1366'TSB' 1367'TSB' 1368'TSB' 1369'TSB' 1370

℄ 'TSB'

IH 39 SB

SB WIDENING WORK BY OTHERS
CONSTRUCTED UNDER PROJECT ID
1007-10-86

914'XNB' 915'XNB' 916'XNB' 917'XNB' 918'XNB' 919'XNB'

℄ 'XNB'

IH 39 NB

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 13 OF 35	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 2/1/2017 7:27 AM PLOT BY : SEH LAYOUT NAME : 13 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

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

2

2

DELINEATED WETLANDS (TYP)

MATCH EXISTING FENCE

1372+51.16'TSB'
98.32'LT

PROPOSED RW (TYP)

FE01

3.0'

EXISTING RW (TYP)

RM03

WILLIAMS DR

1371+99.99'TSB'
37.00'LT

SLOPE INTERCEPT (TYP)

1372+10.00'TSB'
34.00'LT

RM03

AG01

1370+04.98'TSB'
37.00'LT

CG16

1.0'

1370+04.98'TSB'
34.00'LT

1371+99.99'TSB'
34.00'LT

RM04

AP24

33.0'

2.0'

MATCH LINE 1370+00'TSB'

TSB'

1371'TSB'

1372'TSB'

1373'TSB'

℄ 'TSB'

IH 39 SB

MP02

SW01

1374'TSB'

1375'TSB'

1375+34.19'TSB'
23.15'RT

24.0'

1371+13.95'TSB'
30.50'RT

AP24

CP10

6.5'

MATCH LINE 1375+75'TSB'

1375+34.19'TSB'
30.50'RT

EXISTING GUARD RAIL TO REMAIN

920'XNB'

921'XNB'

922'XNB'

923'XNB'

℄ 'XNB'

IH 39 NB

924'XNB'

925'XNB'

ALLIANT ENERGY

B-13-721

R-13-259

WILLIAMS DR

ATC

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CG16	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO:1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 14 OF 35	SHEET	E

SAVE FOLDER PATH:P:\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007101084\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 3/3/2017 11:15 AM PLOT BY : SEH LAYOUT NAME : 14 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

DELINEATED WETLANDS (TYP)

PROPOSED RW (TYP)

EXISTING RW (TYP)

SLOPE INTERCEPT (TYP)

FE01

RM03

AG01

RM04

AP24

CP10

MP02

SW01

3.0'

1.0'

2.0'

33.0'

30.5'

MATCH LINE 1375+75'TSB'

MATCH LINE 1381+50'TSB'

1376'TSB'

1377'TSB'

1378'TSB'

1379'TSB'

℄ 'TSB'

1380'TSB'

1381'TSB'

1381+04.58'TSB'
18.43'RT

1381+04.75'TSB'
30.50'RT

IH 39 SB

2 LANE CROSSOVER & NB WIDENING
BY OTHERS CONSTRUCTED UNDER
PROJECT ID 1007-11-81 AND
1007-10-86

927'XNB'

928'XNB'

℄ 'XNB'

929'XNB'

930'XNB'

931'XNB'

IH 39 NB

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 15 OF 35	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 2/1/2017 7:28 AM | PLOT BY : SEH | LAYOUT NAME : 15 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

2

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

N

DELINEATED WETLANDS (TYP)

PROPOSED RW (TYP)

EXISTING RW (TYP)

PLE

FE01

1381+52.25'TSB'
95.31'LT

1382+22.38'TSB'
94.17'LT

3.0'

RM03

RM04

AG01

BOX CULVERT
C-13-3089
STG 1

1.0'

AP24

2.0'

33.0'

MATCH LINE 1381+50'TSB'

1382'TSB'

1383'TSB'

SW01

MP02

1384'TSB'

IH 39 SB

1385'TSB'

℄ 'TSB'

1386'TSB'

1387'TSB'

MATCH LINE 1387+25'TSB'

30.5'

AP24

SLOPE INTERCEPT (TYP)

2 LANE CROSSOVER BY OTHERS
CONSTRUCTED UNDER PROJECT
ID 1007-11-81 AND 1007-10-86

932'XNB'

933'XNB'

934'XNB'

℄ 'XNB'

IH 39 NB

935'XNB'

937'XNB'

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 16 OF 35	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I084\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG

PLOT DATE : 2/1/2017 7:28 AM

PLOT BY : SEH

LAYOUT NAME : 16

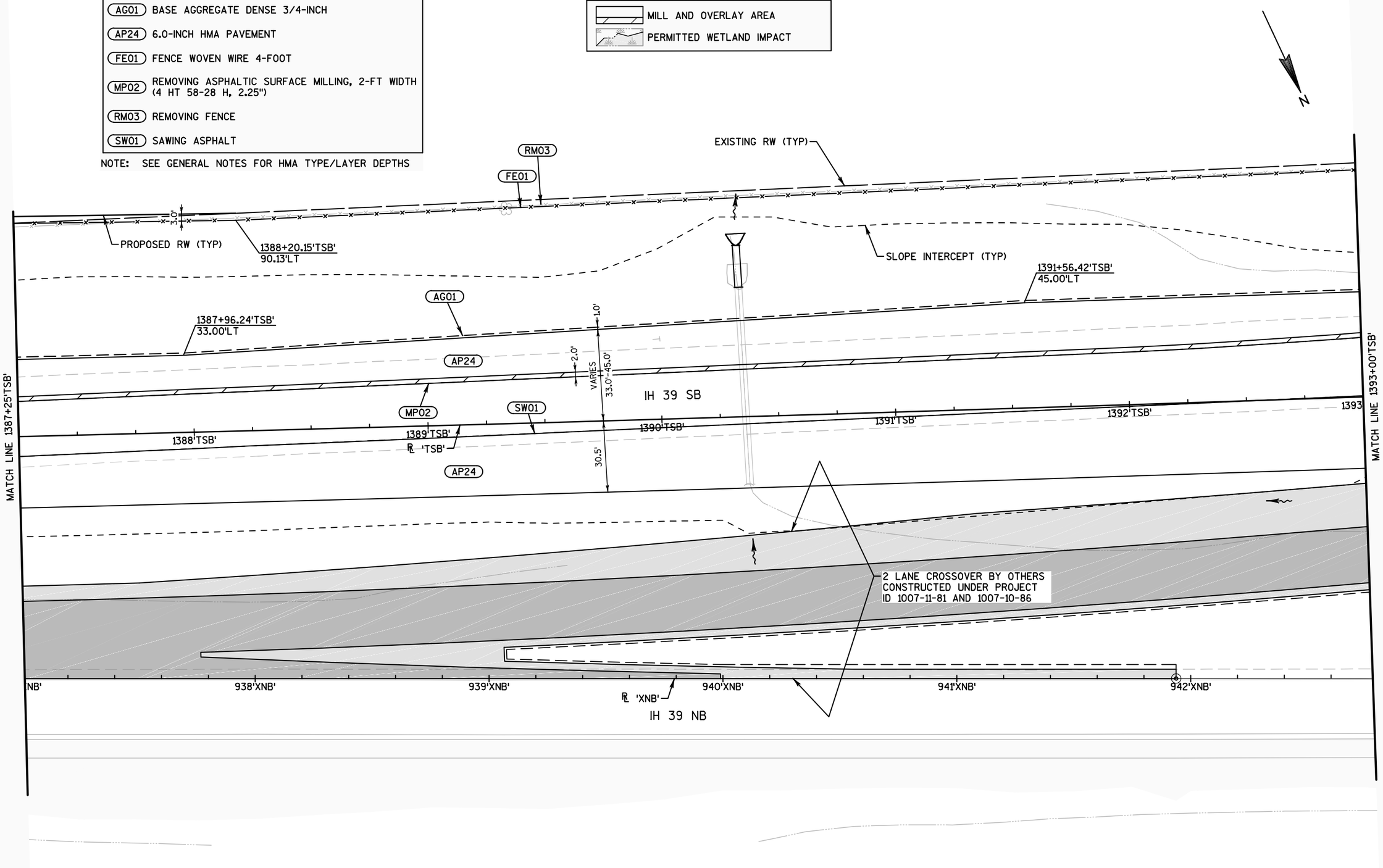
PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 17 OF 35	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 2/1/2017 7:29 AM PLOT BY : SEH LAYOUT NAME : 17 PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42
SAVE FOLDER PATH: P:\AE\D\DANIEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I084\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND
- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT

N

EXISTING RW (TYP)

RM03
FE01

3.0'

1394+34.46'TSB'
98.40'LT

SLOPE INTERCEPT (TYP)

1397+99.01'TSB'
45.00'LT

1398+43.50'TSB'
46.00'LT

AG01
AP24
SW01
MP02

2.0'
1.0'
45.0'
6.0'

1393+15.66'TSB'
26.24'LT

IH 39 SB

MATCH LINE 1393+00'TSB'

1394'TSB'
1395'TSB'
℄ 'TSB'
1396'TSB'
1397'TSB'
1398'TSB'

1397+78.57'TSB'
8.16'RT

1397+78.60'TSB'
20.16'RT

1396+64.58'TSB'
20.50'RT

1396+64.63'TSB'
30.50'RT

CP10
30.5'
VAR
10.0'-10.6'
12.0' VAR 8.2'-8.0'

2 LANE CROSSOVER BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-11-81 AND 1007-10-86

943'XNB'
944'XNB'
945'XNB'
℄ 'XNB'
946'XNB'
947'XNB'
948'XNB'

IH 39 NB

MATCH LINE 1398+75'TSB'

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 18 OF 35	SHEET 37	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 2/1/2017 7:29 AM | PLOT BY : SEH | LAYOUT NAME : 18 | PLOT SCALE : 1.0 IN = 40.0 FT

2

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT
SW02	SAWING CONCRETE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

FE01

RM03

EXISTING RW (TYP)

NOTE, SEE PAGE 35 OF 35 FOR ADDITIONAL FENCING LAYOUT STA 1400+00'TSB', LT TO STA 1420+00'TSB', LT

N

WIDOT

1404+20.80'TSB'
81.33'LT

6.0'

1404+22.65'TSB'
75.62'LT

SB ENTRANCE RAMP

1403+55.77'TSB'
38.00'LT

AG01

1.0'

AP24

2.0'

10.0'

1403+56.87'TSB'
28.00'LT

MP02

38.0'

SW01

AP24

6.0'

SW01

1399+07.92'TSB'
4.00'LT

4'

CP10

SW02

IH 39 SB

1402+58.21'TSB'
8.00'RT

CP10

1404'TSB'

1403'TSB'

1402'TSB'

1401'TSB'

1400'TSB'

1399'TSB'

1399+07.94'TSB'
8.00'RT

8'

30.5'

12'

12.0'

VAR

10.0'-
10.6'

CP10

1400+60.37'TSB'
20.00'RT

CP10

AP24

30.5'

10.5'

1400+60.37'TSB'
30.50'RT

1402+58.21'TSB'
20.00'RT

1402+64.89'TSB'
30.50'RT

VARIES

30.5'-42.5'

MATCH LINE 1398+75'TSB'

MATCH LINE 1404+50'TSB'

2 LANE CROSSOVER BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-11-81 AND 1007-10-86

SLOPE INTERCEPT (TYP)

FUTURE TEMPORARY EMERGENCY PULLOUT

949'XNB'

950'XNB'

951'XNB'

'XNB'

IH 39 NB

952'XNB'

953'XNB'

954'XNB'

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 19 OF 35	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 2/1/2017 7:29 AM PLOT BY : SEH LAYOUT NAME : 19 PLOT SCALE : 1.0 IN = 40.0 FT

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

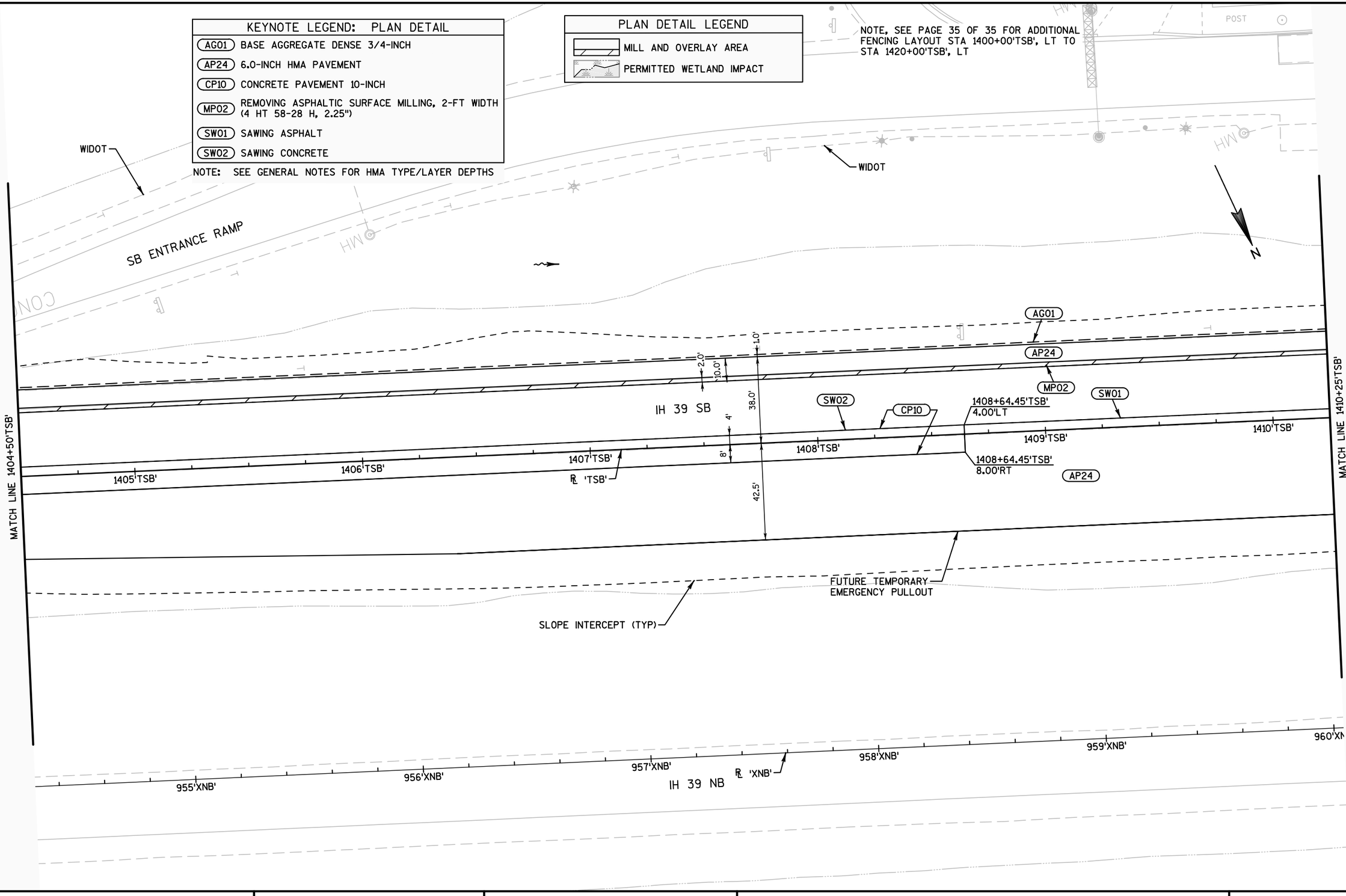
KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
SW01	SAWING ASPHALT
SW02	SAWING CONCRETE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT

NOTE, SEE PAGE 35 OF 35 FOR ADDITIONAL FENCING LAYOUT STA 1400+00'TSB', LT TO STA 1420+00'TSB', LT



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 20 OF 35	SHEET 39	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 2/1/2017 7:30 AM | PLOT BY : SEH | LAYOUT NAME : 20 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

NOTE, SEE PAGE 35 OF 35 FOR ADDITIONAL FENCING LAYOUT STA 1400+00'TSB', LT TO STA 1420+00'TSB', LT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

FLAG

SCALE

POST

HWY

WIDOT

WIDOT

N

1412+94.45'TSB'
38.00'LT

AG01

AP24

MP02

SW01

1412+94.45'TSB'
28.00'LT

IH 39 SB

2.0'

10.0'

1.0'

38.0'

VARIES

42.5-30.5'

MATCH LINE 1410+25'TSB'

1411'TSB'

1412'TSB'

1413'TSB'

℄ 'TSB'

1414'TSB'

1415'TSB'

1416'

MATCH LINE 1416+00'TSB'

1410+89.97'TSB'
42.50'RT

FUTURE TEMPORARY EMERGENCY PULLOUT

SLOPE INTERCEPT (TYP)

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

961'XNB'

962'XNB'

963'XNB'

℄ 'XNB'

964'XNB'

965'XNB'

IH 39 NB

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 21 OF 35	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007101084\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 2/1/2017 7:30 AM PLOT BY : SEH LAYOUT NAME : 21 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

NOTE, SEE PAGE 35 OF 35 FOR ADDITIONAL FENCING LAYOUT STA 1400+00'TSB', LT TO STA 1420+00'TSB', LT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

FILL EXISTING RUMBLE STRIPS
STA 1421+27'TSB' TO STA 1423+84'TSB', LT

PROPOSED RW (TYP)

EXISTING RW (TYP)

ALLIANT ENERGY

1420+52.88'TSB'
186.38'LT

FE01

RM03

SB EXIT RAMP

WIDOT

WIDOT

WIDOT

1420+97.30'TSB'
39.00'LT

SW01

AG01

AP24

1421+26.97'TSB'
30.00'LT

1421+26.97'TSB'
28.00'LT

MP02

SW01

IH 39 SB

1.0'
2.0'
10.0'
38.0'
30.5'

MATCH LINE 1416+00'TSB'

MATCH LINE 1421+75'TSB'

1417'TSB'

1418'TSB'

1419'TSB'

℄ 'TSB'

1420'TSB'

1421'TSB'

AP24

1416+49.97'TSB'
30.50'RT

SLOPE INTERCEPT (TYP)

968'XNB'

969'XNB'

970'XNB'

℄ 'XNB'

971'XNB'

IH 39 NB

PLAN DETAIL LEGEND
MILL AND OVERLAY AREA
PERMITTED WETLAND IMPACT

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 22 OF 35	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 2/1/2017 7:31 AM PLOT BY : SEH LAYOUT NAME : 22 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

FILL EXISTING RUMBLE STRIPS
STA 1421+27'TSB' TO STA 1423+84'TSB', LT

PROPOSED RW (TYP)

FE01

3.0'

RM03

EXISTING RW (TYP)

1426+39.48'TSB'
118.08'LT

ALLIANT ENERGY

WIDOT

WIDOT

SW01

1422+93.44'TSB'
38.00'LT

SB EXIT RAMP

1423+83.75'TSB'
30.10'LT

1423+83.75'TSB'
29.00'LT

1425+13.04'TSB'
43.00'LT

1425+13.04'TSB'
37.85'LT

AP24

2.0'

MP02

VARIES
43.0'-34.0'

SW01

IH 39 SB

MATCH LINE 1421+75'TSB'

8.0'

38.0'

30.5'

WIDOT

1422'TSB'

1423'TSB'

1424'TSB'

1425'TSB'

℄ 'TSB'

1426'TSB'

1427'TSB'

AP24

MATCH LINE 1427+50'TSB'

REMOVE ITS EQUIPMENT

SLOPE INTERCEPT (TYP)

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

972'XNB'

973'XNB'

℄ 'XNB'

974'XNB'

975'XNB'

IH 39 NB

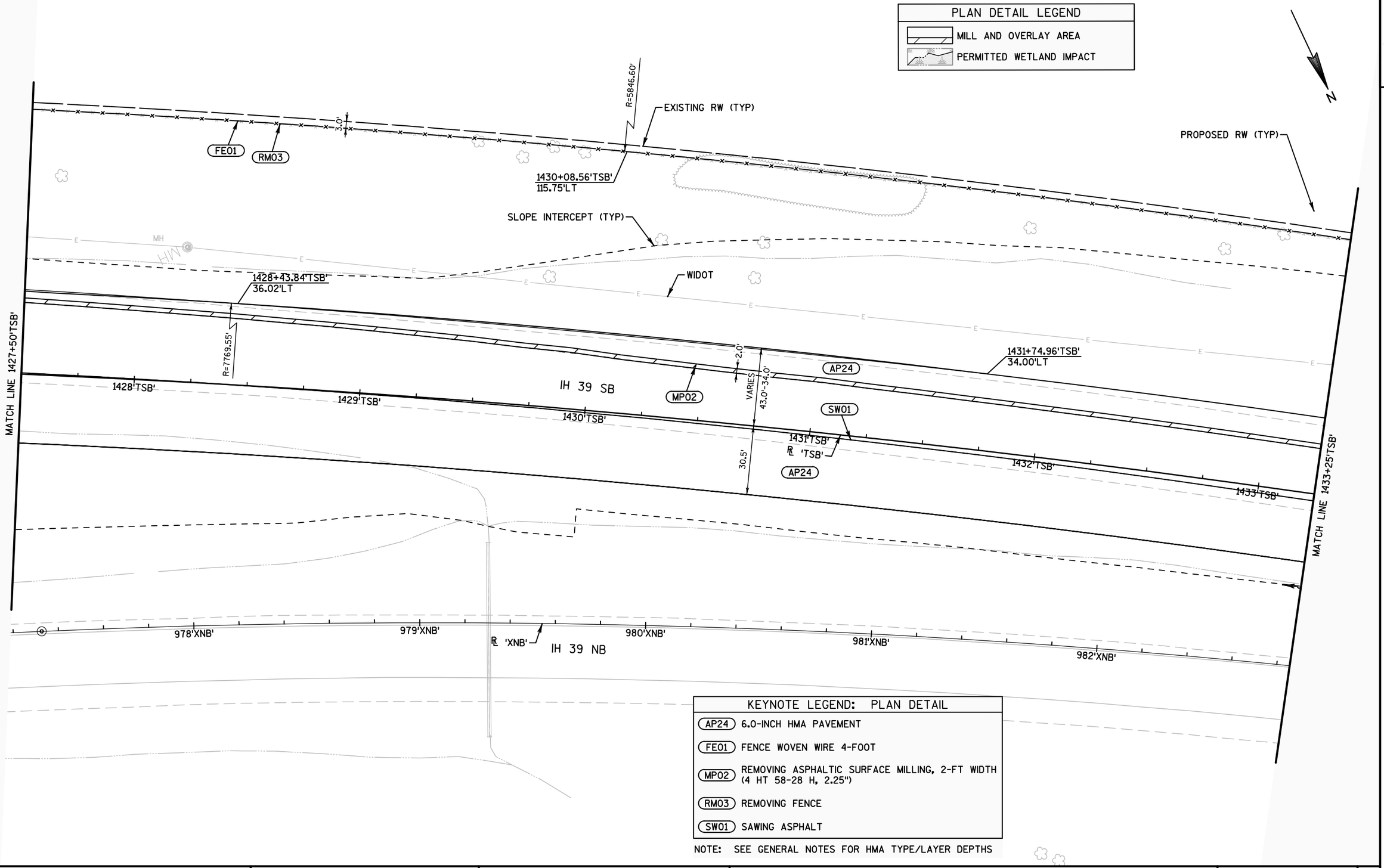
KEYNOTE LEGEND: PLAN DETAIL

AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

2



KEYNOTE LEGEND: PLAN DETAIL	
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 24 OF 35	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 2/1/2017 7:32 AM PLOT BY : SEH LAYOUT NAME : 24 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

PROPOSED RW (TYP)

EXISTING RW (TYP)

FE01

3.0'

1437+59.06'TSB'
130.49'LT

1433+77.79'TSB'
113.42'LT

RM03

SLOPE INTERCEPT (TYP)

WIDOT

1437+73.25'TSB'
34.00'LT

1438+13.15'TSB'
32.00'LT

MH

E

HW

2.0'

VARIES

43.0'-34.0'

AP24

SW01

IH 39 SB

MP02

1434'TSB'

1435'TSB'

1436'TSB'

1437'TSB'

℄ 'TSB'

1438'TSB'

1439

30.5'

AP24

MATCH LINE 1433+25'TSB'

MATCH LINE 1439+00'TSB'

1438+19.42'TSB'
30.50'RT

SW01

EXISTING MAINTENANCE
CROSSOVER TO REMAIN

983'XNB'

984'XNB'

985'XNB'

℄ 'XNB'

IH 39 NB

986'XNB'

987'XNB'

988'XNB'

ALLIANT ENERGY

WINDSTREAM

KEYNOTE LEGEND: PLAN DETAIL

AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 25 OF 35	SHEET 44	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 2/1/2017 7:32 AM | PLOT BY : SEH | LAYOUT NAME : 25 | PLOT SCALE : 1.0 IN = 40.0 FT

2

EXISTING RW (TYP)

PROPOSED RW (TYP)

SEPTIC

℄ 'MN'

ALLIANT ENERGY

ALLIANT ENERGY

UTILITY EASEMENT (TYP)

FE01

1440+64.94'TSB'
114.14'LT

3.0'

1439+31.20'TSB'
110.71'LT

RM03

WINDSTREAM

1440+74.82'TSB'
61.23'LT

1440+72.89'TSB'
40.18'LT

B-13-140

CTH MN

49'MN

48'MN

47'MN

1443+23.18'TSB'
104.75'LT

FE01

FRONTIER COM

RM03

1442+43.11'TSB'
38.98'LT

1440+00.44'TSB'
32.00'LT

1442+42.26'TSB'
32.00'LT

EXISTING GUARD
RAIL TO REMAIN

2.0'

AP24

1440+00.43'TSB'
21.85'LT

1442+42.26'TSB'
21.70'LT

AP24

2.0'

10'

32.0'

MP02

SW01

1440+20.04'TSB'
2.00'RT

MP02

SW01

IH 39 SB

MATCH LINE 1439+00'TSB'

1440'TSB'

1441'TSB'

SW02

1441+94.74'TSB'
1.90'RT

1442'TSB'

1442+09.74'TSB'
1.90'RT

1443'TSB'
℄ 'TSB'

1444'TSB'

MATCH LINE 1444+75'TSB'

AP24

VARIES

30.5'-28.0'

PV01

SW02

1439+78.68'TSB'
24.00'RT

CP10

PV01

1442+09.74'TSB'
24.00'RT

1442+09.74'TSB'
26.00'RT

AP24

28.5'

RM04

1441+65.80'TSB'
26.00'RT

CP10

1439+91.44'TSB'
25.86'RT

1439+69.00'TSB'
25.80'RT

1439+69.00'TSB'
28.00'RT

1441+76.12'TSB'
27.00'RT

1441+76.12'TSB'
28.50'RT

CB99

1442+76.12'TSB'
27.00'RT

1443+26.12'TSB'
28.50'RT

CC01

AP24

50'MN

989'XNB'

990'XNB'

991'XNB'

992'XNB'

993'XNB'

994'XNB'

℄ 'XNB'

IH 39 NB

SLOPE INTERCEPT (TYP)

TRANSITION TO TIED-DOWN SYSTEM
SEE SDD, "CONCRETE BARRIER
TEMPORARY PRECAST"

51'MN

52'MN

CTH MN

B-13-141

CAUTION

FRONTIER COM

KEYNOTE LEGEND: PLAN DETAIL	
AP24	6.0-INCH HMA PAVEMENT
CB99	TEMPORARY CONCRETE BARRIER, LEFT IN PLACE
CC01	CRASH CUSHIONS TEMPORARY
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
PV01	CONCRETE PAVEMENT APPROACH SLAB
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT
SW02	SAWING CONCRETE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND
MILL AND OVERLAY AREA
PERMITTED WETLAND IMPACT

NOTE: SEE PAGE 34 OF 35
FOR CTH W DETAILS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 26 OF 35	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 2/1/2017 7:32 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\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

2

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

UTILITY EASEMENT (TYP)

EXISTING RW (TYP)

PROPOSED RW (TYP)

DELINEATED WETLANDS (TYP)

1445+87.52'TSB'
104.76'LT

1446+92.52'TSB'
116.00'LT

FE01

RM03

WIDOT

SLOPE INTERCEPT (TYP)

EXISTING GUARD RAIL TO REMAIN

EXISTING GUARD RAIL TO REMAIN

WIDOT

AP24

SW01

MP02

2.0'

10'

32.0'

28.5'

IH 39 SB

MATCH LINE 1444+75'TSB'

MATCH LINE 1450+50'TSB'

1445'TSB'

1446'TSB'

1447'TSB'

1448'TSB'

1449'TSB'

℄ 'TSB'

1450'TSB'

RM04

995'XNB'

996'XNB'

997'XNB'

℄ 'XNB'

998'XNB'

999'XNB'

1000'XNB'

IH 39 NB

CAUTION
ATC
(345kV)

ATC

KEYNOTE LEGEND: PLAN DETAIL

AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I084\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 27 OF 35	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 2/1/2017 7:33 AM | PLOT BY : SEH | LAYOUT NAME : 27 | PLOT SCALE : 1.0 IN = 40.0 FT

2

FILL EXISTING RUMBLE STRIPS
STA 1453+45'TSB' TO STA 1462+42'TSB', LT

PLAN DETAIL LEGEND
- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT

DELINEATED WETLANDS (TYP)

PROPOSED RW (TYP)

EXISTING RW (TYP)

1450+65.54'TSB'
116.00'LT

1452+65.73'TSB'
116.00'LT

FE04

1453+43.84'TSB'
115.80'LT

1455+83.53'TSB'
101.22'LT

3.0'

RM03

DOOR CREEK

FE04

RM03

RM03

FE01

END CONSTRUCTION, FENCE WOVEN WIRE 4-FOOT

BEGIN CONSTRUCTION, FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE STA 1452+45.58

EXISTING GUARD RAIL TO REMAIN

WIDOT

1452+45.58'TSB'
42.64'LT

1451+59.94'TSB'
43.13'LT

EXISTING GUARD RAIL TO REMAIN

WIDOT

SLOPE INTERCEPT (TYP)

1454+46.40'TSB'
32.40'LT

1453+27.98'TSB'
32.00'LT

1454+66.40'TSB'
33.50'LT

AG01

2.0'

10'

32.0'

AP24

1451+64.95'TSB'
32.00'LT

1451+70.77'TSB'
21.82'LT

1452+52.67'TSB'
32.00'LT

1452+58.42'TSB'
21.93'LT

2.0'

AP24

MP02

SW01

1451+53.16'TSB'
1.66'RT

B-13-160

1452+93.81'TSB'
1.60'RT

VARIES
32.0'-33.5'

IH 39 SB

1454'TSB'

1455'TSB'

SW01

1456'TSB'

1451'TSB'

1451+53.17'TSB'
13.65'RT

1452'TSB'

1451+91.20'TSB'
13.61'RT

1452+93.79'TSB'
13.58'RT

1453'TSB'

℄ 'TSB'

28.5'

AP24

1451+99.93'TSB'
28.50'RT

1452+78.51'TSB'
13.55'RT

1453+28.25'TSB'
28.00'RT

VARIES
28.0'-30.5'

AP24

1452+86.40'TSB'
28.00'RT

EXISTING GUARD RAIL TO REMAIN

MATCH LINE 1450+50'TSB'

MATCH LINE 1456+25'TSB'

1001'XNB'

1002'XNB'

1003'XNB'

1004'XNB'

1005'XNB'

℄ 'XNB'

B-13-161

IH 39 NB

DOOR CREEK

CAUTION
ATC
(345kV)

ATC

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

FILL EXISTING RUMBLE STRIPS
STA 1453+45'TSB' TO STA 1462+42'TSB', LT

PLAN DETAIL LEGEND
- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT

EXISTING RW (TYP)
FE04
3.0'
RM03
DELINEATED WETLANDS (TYP)
WIDOT
WIDOT
SLOPE INTERCEPT (TYP)
1459+26.65'TSB'
34.00'LT
AG01
1459+06.65'TSB'
33.00'LT
1459+56.65'TSB'
35.50'LT
CB99
RM05
1459+56.65'TSB'
34.00'LT
AP24
1.0'
2.0'
33.0'
35.5'
SW01
IH 39 SB
MATCH LINE 1456+25'TSB'
1457'TSB'
1458'TSB'
1459'TSB'
1460'TSB'
1461'TSB'
1462
℄ 'TSB'
30.5'
30.5'
AP24
MATCH LINE 1462+00'TSB'
1456'TSB'+28.46
30.50'RT
1006'XNB'
1007'XNB'
1008'XNB'
℄ 'XNB'
1009'XNB'
1010'XNB'
1011'XNB'
IH 39 NB
CAUTION
ATC
(345kV)
ATC

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CB99	TEMPORARY CONCRETE BARRIER, LEFT IN PLACE
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE
RM03	REMOVING FENCE
RM05	REMOVING CONCRETE PAVEMENT
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 29 OF 35	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANIEL\119189\CIVIL 3D\1007101001\SHEETSPLAN\1007108A\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG
PLOT DATE : 2/1/2017 7:34 AM
PLOT BY : SEH
LAYOUT NAME : 29
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

2

PLAN DETAIL LEGEND
MILL AND OVERLAY AREA
PERMITTED WETLAND IMPACT

EXISTING RW (TYP)

FE04

3.0'

RM03

1466+92.39'TSB'
100.83'LT

MATCH EXISTING FENCE

END CONSTRUCTION,
TEMPORARY SNOW FENCE

SLOPE INTERCEPT (TYP)

1462+71.65'TSB'
35.50'LT

CB99

CC01

1462+56.65'TSB'
34.00'LT

1463+01.66'TSB'
34.00'LT

1463+21.66'TSB'
33.00'LT

AG01

1.0'

AP24

2.0'

33.0'

RM05

MP02

SW01

MP02

IH 39 SB

1466+92.94'TSB'
6.00'RT

1466+91.69'X276'
6.00'LT

MATCH LINE 1462+00'TSB'

TSB'

1463'TSB'

1464'TSB'

1465'TSB'

℄ 'TSB'

1466'TSB'

1467'TSB'

1467'X276'

MATCH LINE 1467+75'TSB'

AP24

30.5'

1466+92.94'TSB'
24.00'RT

1466+91.69'X276'
12.00'RT

CP10

AP08

1466+92.94'TSB'
30.50'RT

1466+91.69'X276'
18.50'RT

1012'XNB'

1013'XNB'

1014'XNB'

℄ 'XNB'

1015'XNB'

1016'XNB'

1017'XNB'

IH 39 NB

END HMA PAVEMENT 6-INCH
BEGIN CONCRETE PAVEMENT 10-INCH
STA 1466+92.99'TSB'

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP08	4.5-INCH HMA PAVEMENT
AP24	6.0-INCH HMA PAVEMENT
CB99	TEMPORARY CONCRETE BARRIER, LEFT IN PLACE
CC01	CRASH CUSHIONS TEMPORARY
CP10	CONCRETE PAVEMENT 10-INCH
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
RM05	REMOVING CONCRETE PAVEMENT
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

CAUTION
ATC
(345kV)

ATC

WIDOT

OH

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I084\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP08	4.5-INCH HMA PAVEMENT
AP24	6.0-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT

N

EXISTING RW (TYP)

SLOPE INTERCEPT (TYP)

MATCH LINE 1467+75'TSB'

MATCH LINE 1473+50'TSB'

1467+92.94'TSB'
33.00'LT

AG01

AP24

SW01

MP02

2.0'

1.0'

VARIES
33.0'28.0'

1470+67.94'TSB'
28.00'LT

1470+81.20'TSB'
6.00'RT

1468'TSB'
1468'X276'

1469'TSB'
1469'X276'

CP10

AP08

6.5'

12.0'

1470'TSB'
1470'X276'

1470+79.48'X276'
12.00'LT

1471'TSB'
℄ 'TSB'
1471'X276'

1472'TSB'
1472'X276'

1473'TSB'
1473'X276'

1018'XNB'

1019'XNB'
℄ 'XNB'

1020'XNB'

1021'XNB'

1022'XNB'

1023'XN

IH 39 NB

1020+93.23'XNB'
26.00'RT

1020+93.23'XNB'
34.00'RT

26.0'

8.0'

1.0'

CAUTION
ATC
(345kV)

ATC

OH

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 31 OF 35	SHEET	E

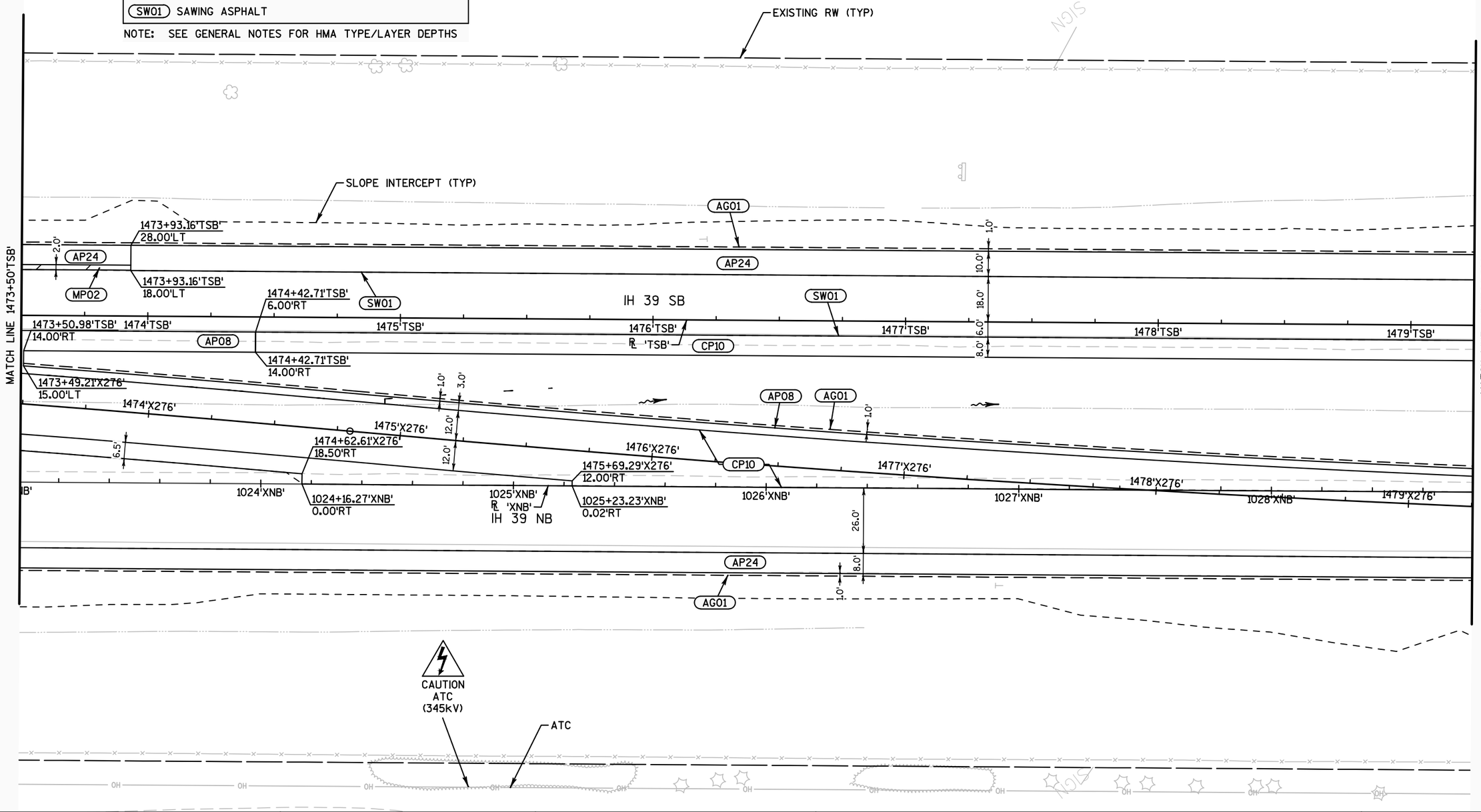
FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG
PLOT DATE : 2/1/2017 7:34 AM
PLOT BY : SEH
LAYOUT NAME : 31
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP08	4.5-INCH HMA PAVEMENT
AP24	6.0-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND
- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 32 OF 35	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I084\SEC 02 TYPICAL SECTIONS & DETAILS

2

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

CAUTION ATC (345kV)

ATC

OH

EXISTING RW (TYP)

N

SLOPE INTERCEPT (TYP)

MATCH LINE 1479+25'TSB'

1480+00.11'TSB' 6.00'RT

1480'TSB'

1481'TSB'

1482'TSB'

1483'TSB'

1484'TSB'

1485'TSB'

1481+15.17'TSB' 20.00'LT

1481+15.17'TSB' 18.00'LT

1484+29.96'TSB' 28.00'LT

1484+29.96'TSB' 20.00'LT

1481+93.99'TSB' 6.00'RT

1480+00.11'TSB' 14.00'RT

1481+93.99'TSB' 14.00'RT

IH 39 SB

AG01

AP24

AP08

CP10

SW01

1.0'

10.0'

18.0'

6.0'

8.0'

20.0'

END PROJECT 1007-10-84
STA 1484+30.00'TSB'
Y=463,061.027
X=858,067.326

1479+58.45'X276' 15.00'LT

1479+90.79'X276' 16.00'LT

1480+74.15'X276' 12.00'LT

1032+22.49'XNB' 8.00'LT

1029'XNB'

1480'X276'

1030'XNB'

1481'X276'

1031'XNB'

1482'X276'

1032'XNB'

1033'XNB'

1034'XNB'

1029+13.20'XNB' 8.00'LT

1030+28.61'XNB' 0.00'LT

IH 39 NB

26.0'

1034+58.61'XNB' 26.00'RT

1034+58.61'XNB' 34.00'RT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP08	4.5-INCH HMA PAVEMENT
AP24	6.0-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 33 OF 35	SHEET 52	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108A\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 3/2/2017 1:44 PM PLOT BY : SEH LAYOUT NAME : 33 PLOT SCALE : 1.0 IN = 40.0 FT

2

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

N

IH 39 SB

IH 39 NB

CC

ASPH

CONC

GUY

ATC TOWER

CAUTION ATC (345kV)

ALLIANT ENERGY

FRONTIER COM

B-13-141

CAUTION

RM04

CC01

48+02.38'MN' 15.00'LT

48+27.44'MN' 17.50'LT

CB99

AG01

SW01

AP26

47+72.41'MN' 12.00'LT

48'MN'

49'MN'

50'MN'

51'MN'

52'MN'

53'MN'

CTH MN

6.5"

11.0'

47+71.99'MN' 12.00'RT

WINDSTREAM

48+02.09'MN' 15.00'RT

48+27.01'MN' 17.50'RT

B-13-140

EXISTING RW (TYP)

PROPOSED RW (TYP)

SEPTIC

A/C

52+26.61'MN' 17.50'LT

52+51.86'MN' 15.00'LT

52+81.69'MN' 12.00'LT

52+83.08'MN' 12.00'RT

52+52.91'MN' 15.00'RT

52+28.10'MN' 17.49'RT

24"CPCS

18"CPCS

"CPCS

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP26	4.5-INCH HMA PAVEMENT
CB99	TEMPORARY CONCRETE BARRIER, LEFT IN PLACE
CC01	CRASH CUSHIONS TEMPORARY
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 34 OF 35	SHEET E

FILE NAME : 021200_PD (PLAN DETAILS MN SWEF FENCE).DWG | PLOT DATE : 1/31/2017 10:05 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\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02

KEYNOTE LEGEND: PLAN DETAIL	
FE01	FENCE WOVEN WIRE 4-FOOT
RM03	REMOVING FENCE

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

NOTE, THIS SHEET SHOWS FENCING LAYOUT ONLY

EXISTING RW (TYP)
RM03
3.0'
FE01
1394+34.46'TSB'
98.40'LT
SB ENTRANCE RAMP
IH 39 SB
1394'TSB'
1396'TSB'
1398'TSB'
1400'TSB'
1402'TSB'
1404'TSB'
1406'TSB'
MATCH LINE 1407+35'TSB'

ALLIANT ENERGY
EXISTING RW (TYP)
3.0'
FE01
RM03
1412+76.42'TSB'
440.65'LT
WIDOT
FE01
RM03
1414+37.55'TSB'
440.65'LT
EXISTING RW (TYP)
3.0'
RM03
FE01
1420+52.88'TSB'
186.38'LT
PROPOSED RW (TYP)
ALLIANT ENERGY
SB EXIT RAMP
WIDOT
MATCH LINE 1407+35'TSB'
IH 39 SB
1408'TSB'
1410'TSB'
1412'TSB'
1414'TSB'
1416'TSB'
1418'TSB'
1420'TSB'
1422'TSB'

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN DETAILS (SWEF FENCING)	PAGE 35 OF 35	SHEET 54	E

FILE NAME : 021200_PD (PLAN DETAILS MN SWEF FENCE).DWG | PLOT DATE : 1/31/2017 10:06 PM | PLOT BY : SEH | LAYOUT NAME : 35 | PLOT SCALE : 1.0 IN = 100.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADSON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007-10-01\SHEETSPLAN\1007108A\SEC 02 TYPICAL SECTIONS & DETAILS

2

WORK UNDER
PROJECT ID 1007-10-88

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

SLOPE INTERCEPT
(TYP)

1242'TSB'

1244'TSB'

1246'TSB'

1248'TSB'

1250'TSB'

1252'TSB'

1254'TSB'

1256

MATCH LINE 1256+00'TSB'

IH 39 SB

36"CPSP

792'XNB'

794'XNB'

BEGIN PROJECT
STA 1246+00'TSB'

796'XNB'

798'XNB'

IH 39 NB

800'XNB'

802'XNB'

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

SITE #D12A
0.60 ACRES M(D)
0.25 ACRES SM(D)
0.85 ACRES TOTAL

806'XNB'

M(D) = DEGRADED WET MEADOW
SM(D) = DEGRADED SHALLOW MARSH

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B OVER SOIL STABILIZER TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- 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 OF THE INLET CASTING AND USE TYPE D AFTER THE INLET CASTINGS ARE IN PLACE.

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

SITE #D12
0.01 ACRES SS
0.02 ACRES M
0.01 ACRES SM
0.01 ACRES WS
0.05 ACRES TOTAL

SS = SHRUB SWAMP
M = WET MEADOW
SM = SHALLOW MARSH
WS = WOODED SWAMP

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

MATCH LINE 1256+00'TSB'

1256'TSB'

1258'TSB'

1260'TSB'

1262'TSB'

1264'TSB'

IH 39 SB

1266'TSB'

1268'TSB'

1270'TSB'

MATCH LINE 1271+00'TSB'

36"CPCS

60"CPRS

36"CPCS

SLOPE INTERCEPT
(TYP)

SITE #D12A
0.60 ACRES M(D)
0.25 ACRES SM(D)
0.85 ACRES TOTAL

M(D) = DEGRADED WET MEADOW
SM(D) = DEGRADED SHALLOW MARSH

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

808'XNB'

810'XNB'

N

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 01 OF 08	SHEET 55	E

SAVE FOLDER PATH: P:\AE\D\DANEL\11919\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022000_EC (EROS CNTRL PLAN).DWG PLOT DATE : 3/3/2017 10:36 AM PLOT BY : SEH INC LAYOUT NAME : 022001_EC PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

DELINEATED WETLANDS (TYP)

48"CPCS

24"CPCS/24"LINER

MATCH LINE 1271+00'TSB'

1272'TSB'

1274'TSB'

1276'TSB'

1278'TSB'

IH 39 SB

1280'TSB'

1282'TSB'

1284'TSB'

1286

MATCH LINE 1286+00'TSB'

SLOPE INTERCEPT (TYP)

COMP

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B OVER SOIL STABILIZER TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

2

DELINEATED WETLANDS (TYP)

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

ELECTRIC WIRE

N

MATCH LINE 1286+00'TSB'

TSB'

24"CPCS/24"LINER

1288'TSB'

30"CPCS

1290'TSB'

1292'TSB'

1294'TSB'

IH 39 SB

30"CPCS

1296'TSB'

1298'TSB'

1300'TSB'

24"CPCS/24"LINER

MATCH LINE 1301+00'TSB'

SLOPE INTERCEPT (TYP)

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 02 OF 08	SHEET	E

FILE NAME : 022000_EC (EROS CNTRL PLAN).DWG PLOT DATE : 1/31/2017 10:09 PM PLOT BY : SEH INC LAYOUT NAME : 022002_EC PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

2

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

MATCH LINE 1301+00'TSB'

30"CPCS

1302'TSB'

1304'TSB'

1306'TSB'

1308'TSB'

IH 39 SB

1310'TSB'

1312'TSB'

1314'TSB'

1316'TSB'

WORK BY OTHERS
PROJECT ID 1007-10-86

END CONSTRUCTION
STA 1308+26.12'TSB'

SLOPE INTERCEPT
(TYP)

N

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B OVER SOIL STABILIZER TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

856'XNB'

858'XNB'

860'XNB'

862'XNB'

864'XNB'

866'XNB'

IH 39 NB

24"CPRC

SITE #D31A
0.14 ACRES M(D)
0.14 ACRES TOTAL

M(D) = DEGRADED WET MEADOW

WILLIAMS DR

WORK BY OTHERS
PROJECT ID 1007-10-86

SLOPE INTERCEPT
(TYP)

1362'TSB'

1364'TSB'

1366'TSB'

1368'TSB'

IH 39 SB

1370'TSB'

1372'TSB'

1374'TSB'

1376

36"CPCS/36"LINER

36"CPCS/36"LINER

18"CPCS

912'XNB'

914'XNB'

916'XNB'

918'XNB'

IH 39 NB

920'XNB'

922'XNB'

924'XNB'

24"CPRC

18"CPRC

BEGIN CONSTRUCTION
STA 1369+30'TSB'

WILLIAMS DR

MATCH LINE 1376+00'TSB'

OH

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 03 OF 08	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL \119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022000_EC (EROS CNTRL PLAN).DWG | PLOT DATE : 1/31/2017 10:09 PM | PLOT BY : SEH INC | LAYOUT NAME : 022003_EC | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

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

HEAVY RIPRAP
SEE STRUCTURE
PLANS FOR DETAILS

BOX CULVERT
C-13-3089
STG 1

PROPOSED R/W
(TYP)

SITE #D31
0.03 ACRES SS
0.25 ACRES M
0.03 ACRES WS
0.31 ACRES TOTAL

SS = SHRUB SWAMP
M = WET MEADOW
WS = WOODED SWAMP

EXISTING R/W
(TYP)

MATCH LINE 1376+00'TSB'

TSB' 1378'TSB' 1380'TSB' 1382'TSB' 1384'TSB' 1386'TSB' 1388'TSB' 1390'TSB'

18" CPCS

8.0'(W) x 5.0'(H) BOX
C-13-52

36" CPCS

IH 39 SB

SLOPE INTERCEPT
(TYP)

926'XNB' 928'XNB' 930'XNB' 932'XNB' 934'XNB' 936'XNB' 938'XNB' 940'XNB'

IH 39 NB

MATCH LINE 1391+00'TSB'

WORK BY OTHERS
PROJECT ID 1007-11-81

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B OVER SOIL STABILIZER TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

EXISTING R/W
(TYP)

SLOPE INTERCEPT
(TYP)

SB ENTRANCE RAMP
(RAMP CLOSED)

MATCH LINE 1391+00'TSB'

1392'TSB' 1394'TSB' 1396'TSB' 1398'TSB' 1400'TSB' 1402'TSB' 1404'TSB' 1406

IH 39 SB

WORK BY OTHERS
PROJECT ID 1007-11-81

942'XNB' 944'XNB' 946'XNB' 948'XNB' 950'XNB' 952'XNB' 954'XNB'

IH 39 NB

MATCH LINE 1406+00'TSB'

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 04 OF 08	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I084\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022000_EC (EROS CNTRL PLAN).DWG
PLOT DATE : 1/31/2017 10:10 PM
PLOT BY : SEH INC
LAYOUT NAME : 022004_EC
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

2

MATCH LINE 1406+00'TSB'

MATCH LINE 1421+00'TSB'

IH 39 SB

1408'TSB' 1410'TSB' 1412'TSB' 1414'TSB' 1416'TSB' 1418'TSB' 1420'TSB'

SLOPE INTERCEPT (TYP)

956'XNB' 958'XNB' 960'XNB' 962'XNB' 964'XNB' 966'XNB' 968'XNB' 970'XNB'

IH 39 NB

SB EXIT RAMP (RAMP CLOSED)

36"CPCS/36"LINER

48"CPCS

36"CPCS/36"LINER

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B OVER SOIL STABILIZER TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

MATCH LINE 1421+00'TSB'

SB EXIT RAMP

1422'TSB' 1424'TSB' 1426'TSB' 1428'TSB' 1430'TSB' 1432'TSB' 1434'TSB' 1436

IH 39 SB

IH 39 NB

SLOPE INTERCEPT (TYP)

972'XNB' 974'XNB' 976'XNB' 978'XNB' 980'XNB' 982'XNB' 984'XNB'

18"CPCS

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

MATCH LINE 1436+00'TSB'

SEPTIC

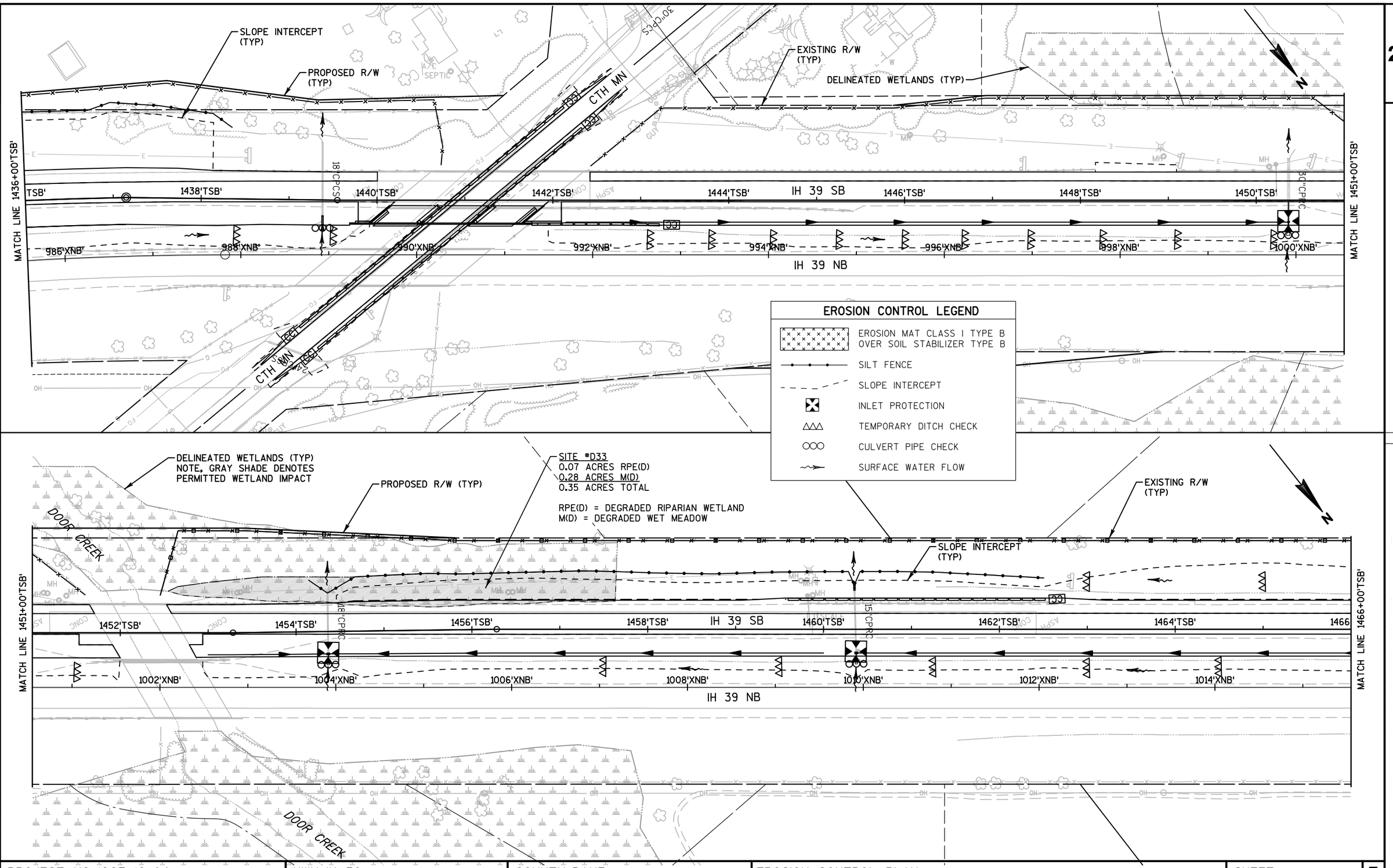
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 05 OF 08	SHEET	E

FILE NAME : 022000_EC (EROS CNTRL PLAN).DWG PLOT DATE : 1/31/2017 10:10 PM PLOT BY : SEH INC LAYOUT NAME : 022005_EC PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\100710001\SHEETSPLAN\100710841\SEC 02 TYPICAL SECTIONS & DETAILS

2



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 06 OF 08	SHEET	E

FILE NAME : 022000_EC (EROS CNTRL PLAN).DWG | PLOT DATE : 1/31/2017 10:10 PM | PLOT BY : SEH INC | LAYOUT NAME : 022006_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\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

2

EXISTING R/W (TYP)

SLOPE INTERCEPT (TYP)

MATCH LINE 1466+00'TSB'

MATCH LINE 1481+00'TSB'

1466'TSB' 1468'TSB' 1470'TSB' 1472'TSB' 1474'TSB' 1476'TSB' 1478'TSB' 1480'TSB'

IH 39 SB

IH 39 NB

1016'XNB' 1018'XNB' 1020'XNB' 1022'XNB' 1024'XNB' 1026'XNB' 1028'XNB' 1030'XNB'

30"CPCS

INL

24"CPCS/24"LINER

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B OVER SOIL STABILIZER TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

CTH AB

EXISTING R/W (TYP)

SLOPE INTERCEPT (TYP)

MATCH LINE 1481+00'TSB'

1482'TSB' 1484'TSB' 1486'TSB'

IH 39 SB

IH 39 NB

1032'XNB' 1034'XNB' 1036'XNB' 1038'XNB' 1040'XNB' 1042'XNB' 1044'XNB' 1046'X

30"CPCS

24"CPCS/24"LINER

18"CPRC

30"CPCS/30"LINER

36"CPCS

POST

GUY

CTH AB

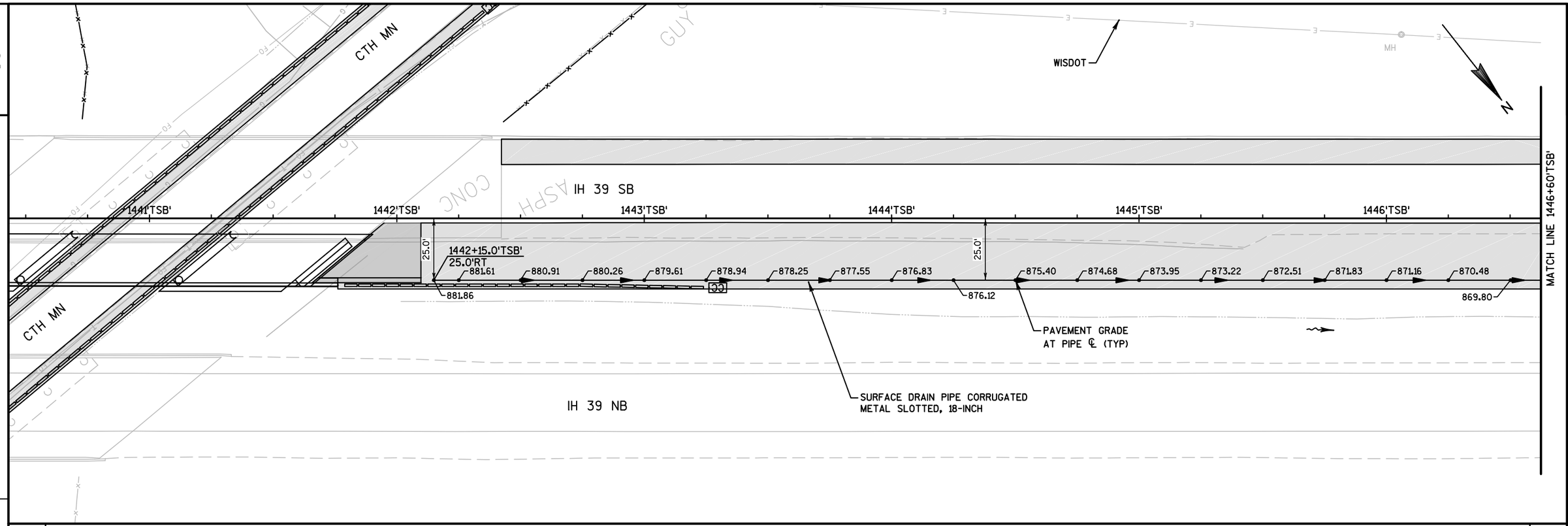
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 07 OF 08	SHEET	E

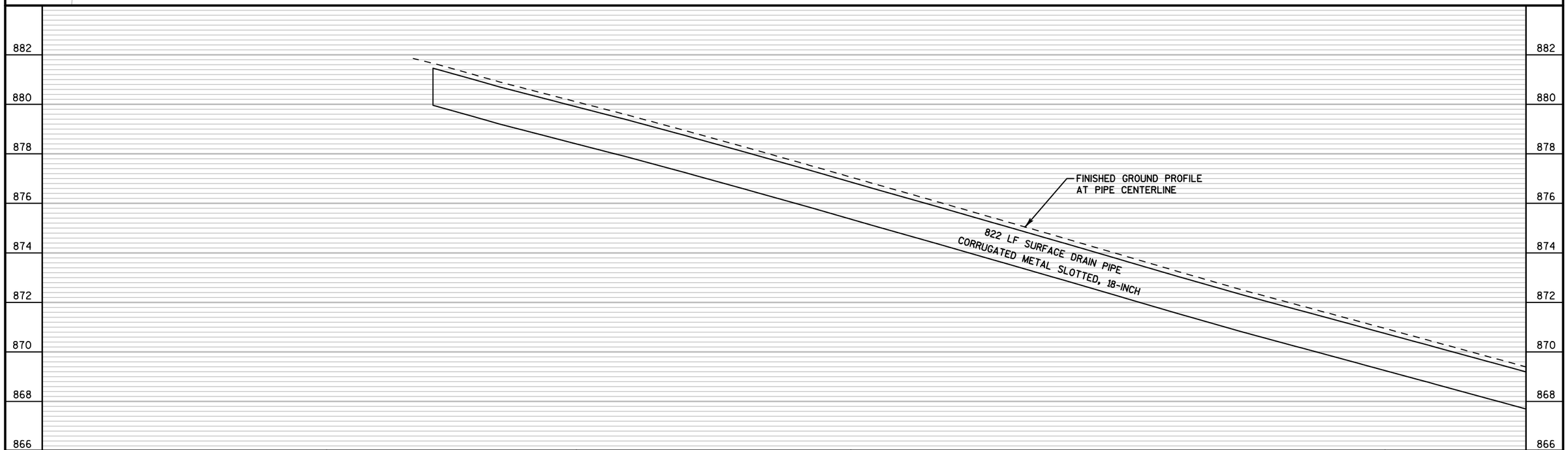
FILE NAME : 022000_EC (EROS CNTRL PLAN).DWG PLOT DATE : 1/31/2017 10:11 PM PLOT BY : SEH INC LAYOUT NAME : 022007_EC PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007108H\SEC 02 TYPICAL SECTIONS & DETAILS

2





PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 01 OF 06	SHEET	E

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022501_SS (STM SWR DETAILS).DWG PLOT DATE : 3/3/2017 2:04 PM PLOT BY : SEH LAYOUT NAME : 022501_SS PLOT SCALE : 1 IN = 40.0 FT

2

WISDOT

DOOR CREEK

MH

E

ASPH

CONC

MATCH LINE 1446+60'TSB'

MATCH LINE 1452+70'TSB'

IH 39 SB

30"CPRC

1447'TSB' 1448'TSB' 1449'TSB' 1450'TSB' 1451'TSB' 1452'TSB'

25.0'

869.12 868.44 867.78 867.13 866.47 865.85 865.26 864.69 864.12 863.57 863.03 862.51 862.02 861.56 861.10 860.91

PAVEMENT GRADE
AT PIPE ℄ (TYP)

SURFACE DRAIN PIPE CORRUGATED
METAL SLOTTED, 18-INCH

02.02 STA 1450+37 'TSB', 25.0' RT
MANHOLES 5-BW

02.01 STA 1450+37 'TSB', 33.0' RT
APRON ENDWALLS FOR CPRCHE 19x30-INCH

IH 39 NB

870 868 866 864 862 860 858 856 854

FINISHED GROUND PROFILE
AT PIPE CENTERLINE

822 LF SURFACE DRAIN PIPE
CORRUGATED METAL SLOTTED, 18-INCH

02.02

860.91

859.37

857.57

02.02

860.91

02.01

6 LF SSPRCHE CLASS HE-IV
19X30-INCH @ 14.61%

CONCRETE COLLAR
REQUIRED

858.00

857.15

857.15

857.15

26 LF SSPRCHE CLASS HE-IV
19X30-INCH @ 0.00%

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 02 OF 06	SHEET	E

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007\1001\SHEETSPLAN\1007108\4\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022501_SS (STM SWR DETAILS).DWG PLOT DATE : 3/6/2017 8:13 AM PLOT BY : SEH LAYOUT NAME : 022502_SS PLOT SCALE : 1 IN = 40.0 FT

2

WISDOT

MH MH MH MH

MATCH LINE 1452+70'TSB'

MATCH LINE 1458+75'TSB'

1453+00.0'TSB'
25.0'RT

1453'TSB' 1454'TSB' 1455'TSB' 1456'TSB' 1457'TSB' 1458'TSB'

PI PI

IH 39 SB

IH 39 SB

18"CPRC

25.0'

1453+28.2'TSB'
25.0'RT

VARIES 25.0'-26.0'

1454+36.0'TSB'
26.0'RT

VARIES 26.0'-27.0'

27.0'

1456+28.6'TSB'
27.0'RT

27.0'

857.87 857.58 857.27 857.04 856.88 856.73 856.67 856.62 856.53 856.46 856.44 856.43 856.47 856.50 856.55 856.61 856.69 856.80 856.92 857.07 857.25 857.44 857.65 857.88

03.04 STA 1454+36 'TSB', 26.0' RT
INLETS 4-BW

03.03 STA 1454+36 'TSB', 31.7' RT
APRON ENDWALLS FOR CPRC 18-INCH

PAVEMENT GRADE
AT PIPE ℄ (TYP)

SURFACE DRAIN PIPE CORRUGATED
METAL SLOTTED, 18-INCH

SURFACE DRAIN PIPE CORRUGATED
METAL SLOTTED, 18-INCH

IH 39 NB

DOOR CREEK

868 866 864 862 860 858 856 854 852

03.04

03.03

856.67

858 856 854 852

5 LF SSPRC CLASS IV 18-INCH @
9.47%

853.50

853.02

858 856 854 852

03.04

856.67

FINISHED GROUND PROFILE
AT PIPE CENTERLINE

136 LF SURFACE DRAIN PIPE
CORRUGATED METAL SLOTTED, 18-INCH

564 LF SURFACE DRAIN PIPE
CORRUGATED METAL SLOTTED, 18-INCH

855.02 854.94 853.33 853.33

868 866 864 862 860 858 856 854 852

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 03 OF 06	SHEET	E

FILE SAVE PATH: P:\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022501_SS (STM SWR DETAILS).DWG PLOT DATE : 3/3/2017 2:05 PM PLOT BY : SEH LAYOUT NAME : 022503_SS PLOT SCALE : 1 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

WISDOT

04.07 STA 1460+35 'TSB', 46.5' LT
APRON ENDWALLS FOR CPRC 15-INCH

MH
MH
MH

SCALE

15"CPRC

MATCH LINE 1458+75'TSB'

1459'TSB' 1460'TSB' 1461'TSB' 1462'TSB' 1463'TSB' 1464'TSB'

CONC

ASPH

IH 39 SB

1460+00.0'TSB'
27.0'RT

04.06 STA 1460+37 'TSB', 27.0' RT
INLETS 4-BW

27.0'

859.99

858.12 858.39 858.67 858.95 859.28 859.58 860.16 860.47 860.77 861.09 861.40 861.71 862.01 862.32 862.64 862.95 863.26 863.56 863.85 864.16 864.47 864.77 865.07

MATCH LINE 1464+75'TSB'

04.05 STA 1460+37 'TSB', 33.4' RT
APRON ENDWALLS FOR CPRC 15-INCH

PAVEMENT GRADE
AT PIPE ℄ (TYP)

SURFACE DRAIN PIPE CORRUGATED
METAL SLOTTED, 18-INCH

IH 39 NB

870 868 866 864 862 860 858 856 854

862 860 858 856 854

04.06
04.05
859.99

04.07
CONCRETE COLLAR
REQUIRED

6 LF SSPRC CLASS IV 15-INCH @
12.74%

857.00
856.19
855.21
855.20

2 LF SSPRC CLASS IV 15-INCH @
0.25%

04.06
859.99

856.65
855.20

FINISHED GROUND PROFILE
AT PIPE CENTERLINE

564 LF SURFACE DRAIN PIPE
CORRUGATED METAL SLOTTED, 18-INCH

963 LF SURFACE DRAIN PIPE
CORRUGATED METAL SLOTTED, 18-INCH

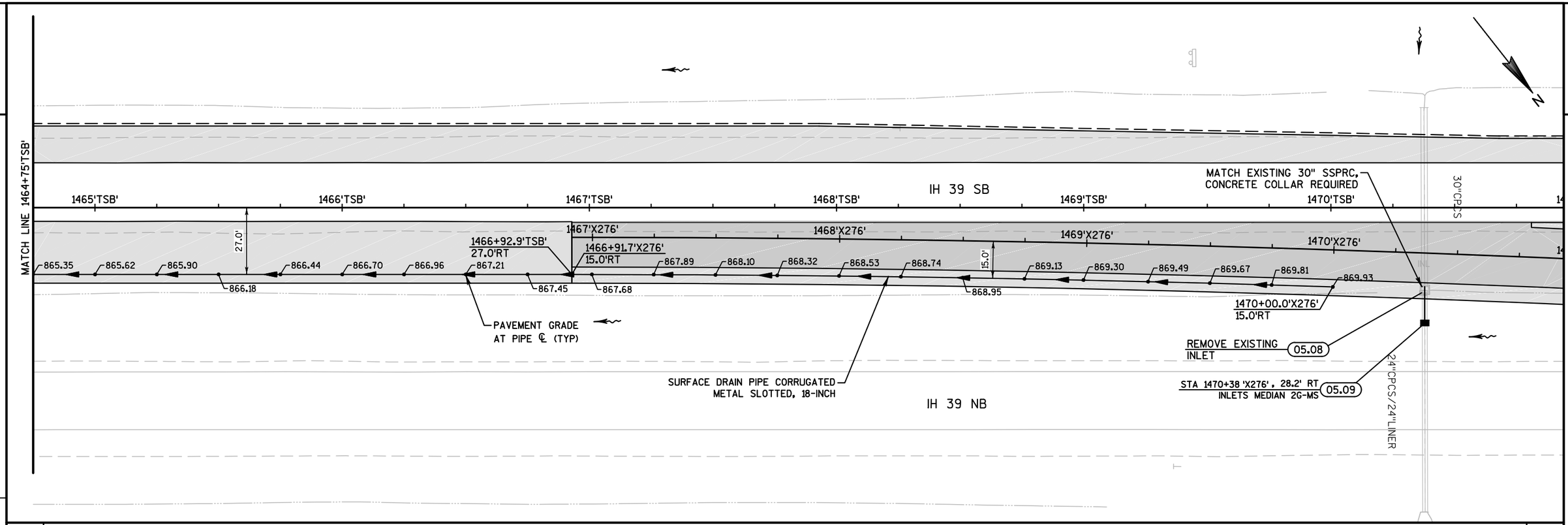
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 04 OF 06	SHEET	E

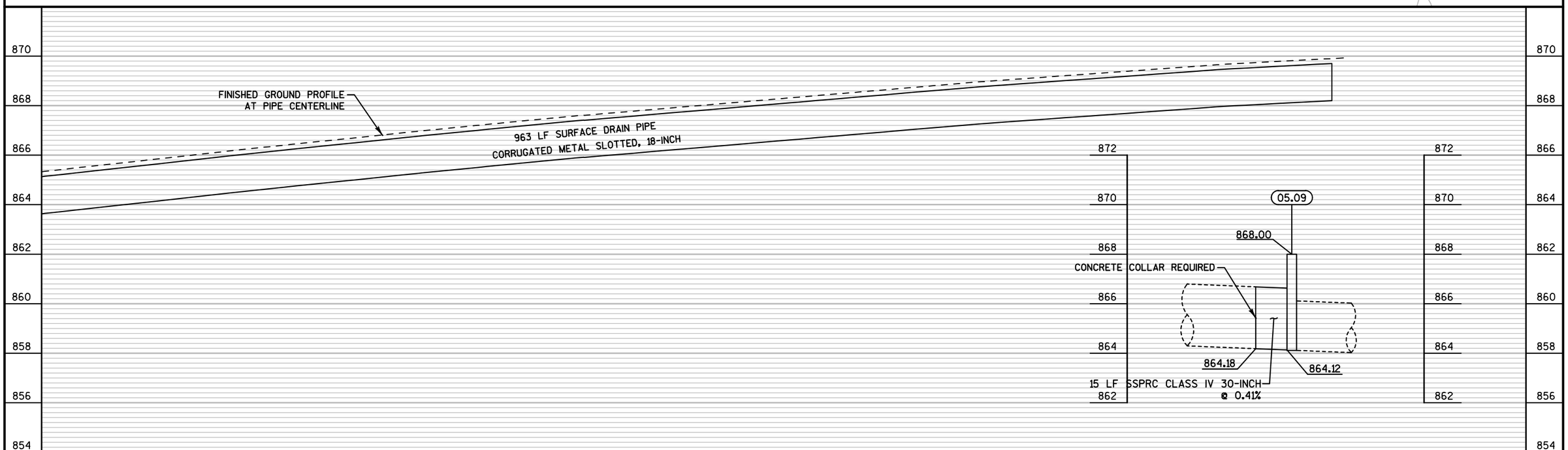
FILE SAVE PATH: P:\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022501_SS (STM SWR DETAILS).DWG PLOT DATE : 3/3/2017 2:05 PM PLOT BY : SEH LAYOUT NAME : 022504_SS PLOT SCALE : 1 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2





PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 05 OF 06	SHEET	E

FILE SAVE PATH: P:\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022501_SS (STM SWR DETAILS).DWG PLOT DATE : 3/3/2017 2:06 PM PLOT BY : SEH LAYOUT NAME : 022505_SS PLOT SCALE : 1 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

2

30"CPCS

IH 39 SB

TSB' 1479'TSB' 1480'TSB' 1481'TSB' 1482'TSB' 1483'TSB' 1484'TSB'

06.11 TIE INTO EXISTING INLET

06.10 STA 1480+00 'TSB', 32.5' RT
INLETS MEDIAN 1G-MS

X276' 1479'X276' 1480'X276' 1481'X276' 1482'X276'

IH 39 NB

24"CPCS/24"LINER

872 870 868 866 864 862 860 858 856

06.10
868.21
864.46

237 LF SSPRC CLASS IV 18-INCH @ 1.85%

TIE INTO EXISTING INLET
860.07

872 870 868 866 864 862 860 858 856

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 06 OF 06	SHEET	E

FILE NAME : 022501_SS (STM SWR DETAILS).DWG PLOT DATE : 3/3/2017 2:06 PM PLOT BY : SEH LAYOUT NAME : 022506_SS PLOT SCALE : 1 IN = 40.0 FT

GENERAL NOTES: PERMANENT SIGNING

1. ALL MP SIGNS (D10-5A) SHALL BE INSTALLED IMMEDIATELY.

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
T5	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)

N

SB WIDENING WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-88

EAST 39 90 MILE 149 .2

D10-5A 21"x72"

M01-01

1242'TSB' 1244'TSB' 1246'TSB' 1248'TSB' 1250'TSB' 1252'TSB' 1254'TSB' 1256'TSB'

IH 39, SB

IH 39 NB

MATCH LINE 1256+50'TSB'

FOOD-EXIT 147 ARBYS SUBWAY

ATTRACTION-EXIT 147 STOUGHTON OPERA HOUSE

EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

WEST 39 90 MILE 149 .2

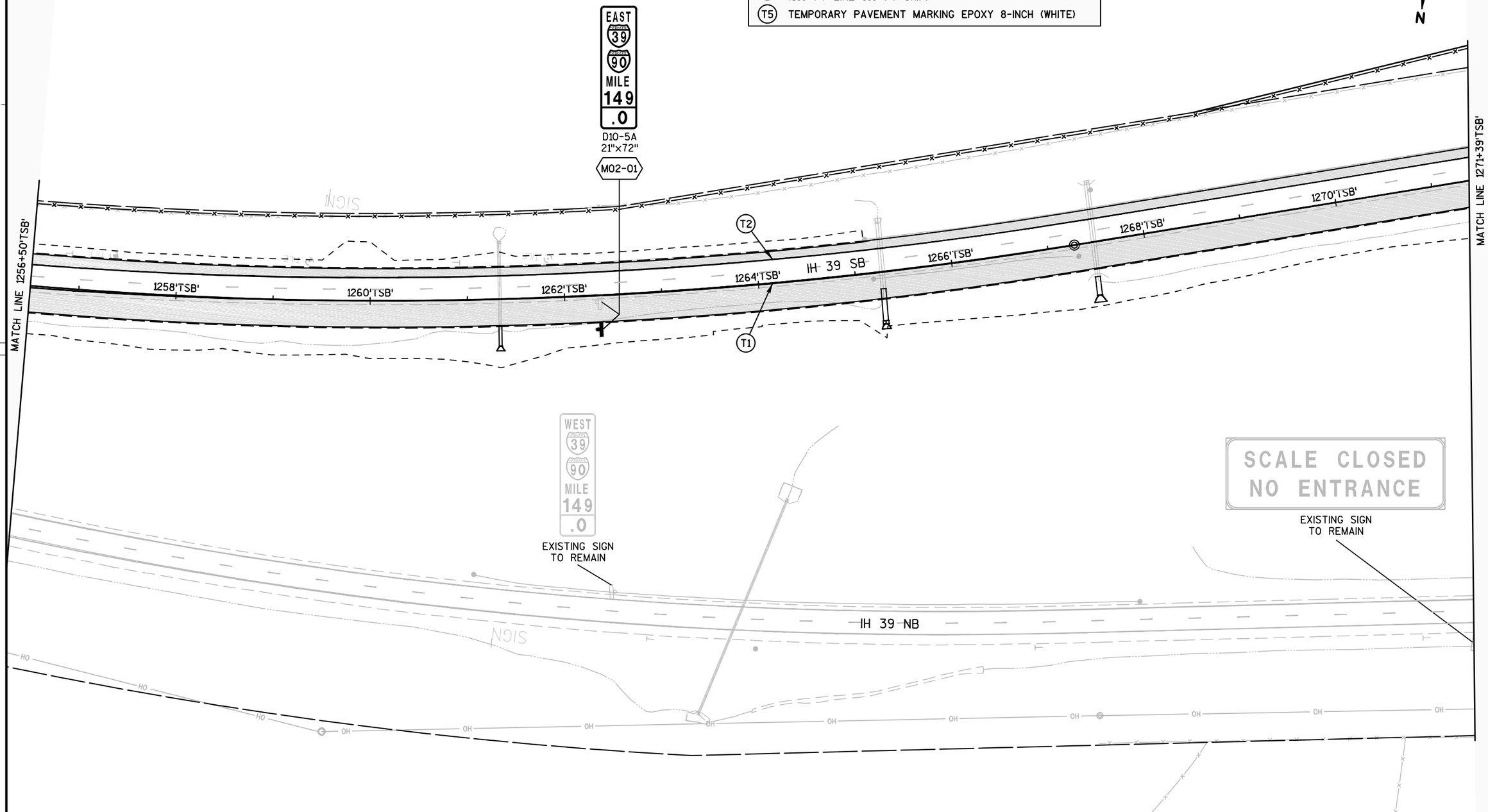
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING PLAN PAGE 01 OF 14	SHEET 68	E

FILE NAME : 023200_PS_PM (PERM SIGN & PVMNT MARK).DWG PLOT DATE : 3/2/2017 3:22 PM PLOT BY : SEH LAYOUT NAME : 023201_PS_PM PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
T5	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING PLAN PAGE 02 OF 14	SHEET E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 023200_PS_PM (PERM SIGN & PVMNT MARK).DWG PLOT DATE : 3/2/2017 3:22 PM PLOT BY : SEH LAYOUT NAME : 023202_PS_PM PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 1271+39'TSB'

MATCH LINE 1286+00'TSB'

N

1272'TSB'
1274'TSB'
1276'TSB'
1278'TSB'
IH 39 SB
1280'TSB'
1282'TSB'
1284'TSB'
1286

T1
T2
T3

M03-01

EAST
39
90
MILE
148
.8

D10-5A
21"x72"

EXISTING SIGN
TO REMAIN

Hwy 51 8
Janesville 28
Chicago 134

M03-02

EAST
39
90
MILE
148
.6

D10-5A
21"x72"

WEST
39
90
MILE
148
.8

EXISTING SIGN
TO REMAIN

WEST
39
90
MILE
148
.6

EXISTING SIGN
TO REMAIN

Glacial Drumlin
State Trail
Lake Kegonsa
State Park
EXIT 147

EXISTING SIGN
TO REMAIN

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
T5	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)

IH 39 NB

OH
POST
INL

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING PLAN PAGE 03 OF 14	SHEET E

FILE NAME : 023200_PS_PM (PERM SIGN & PVMNT MARK).DWG PLOT DATE : 3/2/2017 3:22 PM PLOT BY : SEH LAYOUT NAME : 023203_PS_PM PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

2

MATCH LINE 1286+00'TSB'

MATCH LINE 1301+00'TSB'

TSB'

1288'TSB'

1290'TSB'

1292'TSB'

1294'TSB'

1296'TSB'

1298'TSB'

1300'TSB'

IH 39 SB

IH 39 NB

T1

T2

T3

SPEED LIMIT 70

EXISTING SIGN TO REMAIN

N

M04-01

EAST 39 90 MILE 148 .4

D10-5A 21"x72"

WEST 39 90 MILE 148 .4

EXISTING SIGN TO REMAIN

GAS-EXIT 147 ROAD RANGER BP CAMPING

EXISTING SIGN TO REMAIN

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
T5	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)

OH

SCALE

MH

INL

WO

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING PLAN PAGE 04 OF 14	SHEET E

FILE NAME : 023200_PS_PM (PERM SIGN & PVMNT MARK).DWG PLOT DATE : 3/2/2017 3:23 PM PLOT BY : SEH LAYOUT NAME : 023204_PS_PM PLOT SCALE : 1.0 IN = 100.0 FT

2

D10-5A
21"x72"

EAST 39 90 MILE 148 .2

M05-01

SOUTH EAST INTERSTATE 39 90

EXISTING SIGN
TO REMAIN

EAST 39 90 MILE 148 .0

EXISTING SIGN
TO REMAIN

N

SB WIDENING WORK BY
OTHERS CONSTRUCTED UNDER
PROJECT ID 1007-10-86

MATCH LINE 1301+00'TSB'

1302'TSB'

1304'TSB'

1306'TSB'

1308'TSB'

IH 39-SB

1310'TSB'

1312'TSB'

1314'TSB'

1316'TSB'

T1

T2

T3

KEYNOTE LEGEND: PAVEMENT MARKING

T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
T5	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)

WEST 39 90 MILE 148 .2

EXISTING SIGN
TO REMAIN

IH 39 NB

EXISTING SIGN TO REMAIN

EXIT 147
N
Stoughton
Cottage Grove
½ MILE

WEST 39 90 MILE 148 .0

EXISTING SIGN
TO REMAIN

CRASH
INVESTIGATION
SITE
EXIT 147

EXISTING SIGN
TO REMAIN

OH

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING PLAN	PAGE 05 OF 14	SHEET	E

FILE NAME : 023200_PS_PM (PERM SIGN & PVMNT MARK).DWG PLOT DATE : 3/3/2017 12:47 PM PLOT BY : SEH LAYOUT NAME : 023205_PS_PM PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

(NOTE, EXISTING TYPE II FIXED MESSAGE SIGN INSTALLED UNDER PROJECT 1007-10-86)

EAST 39 90 MILE 147 .0

EXISTING SIGN TO REMAIN

EXIT 147 N Stoughton Cottage Grove

EXISTING SIGN TO REMAIN

CRASH INVESTIGATION SITE EXIT 147

EXISTING SIGN TO REMAIN

SB WIDENING WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-86

WILLIAMS DR

GAS-EXIT 147
ROAD RANGER
BP

06-03

1362'TSB' 1364'TSB' 1366'TSB' 1368'TSB' 1370'TSB' 1372'TSB' 1374'TSB' 1376

IH 39 SB

IH 39 NB

T1 T2 T3

MATCH LINE 1376+00'TSB'

WEST 39 90 MILE 147 .0

EXISTING SIGN TO REMAIN

EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES

EXISTING SIGNS TO REMAIN

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
T5	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)

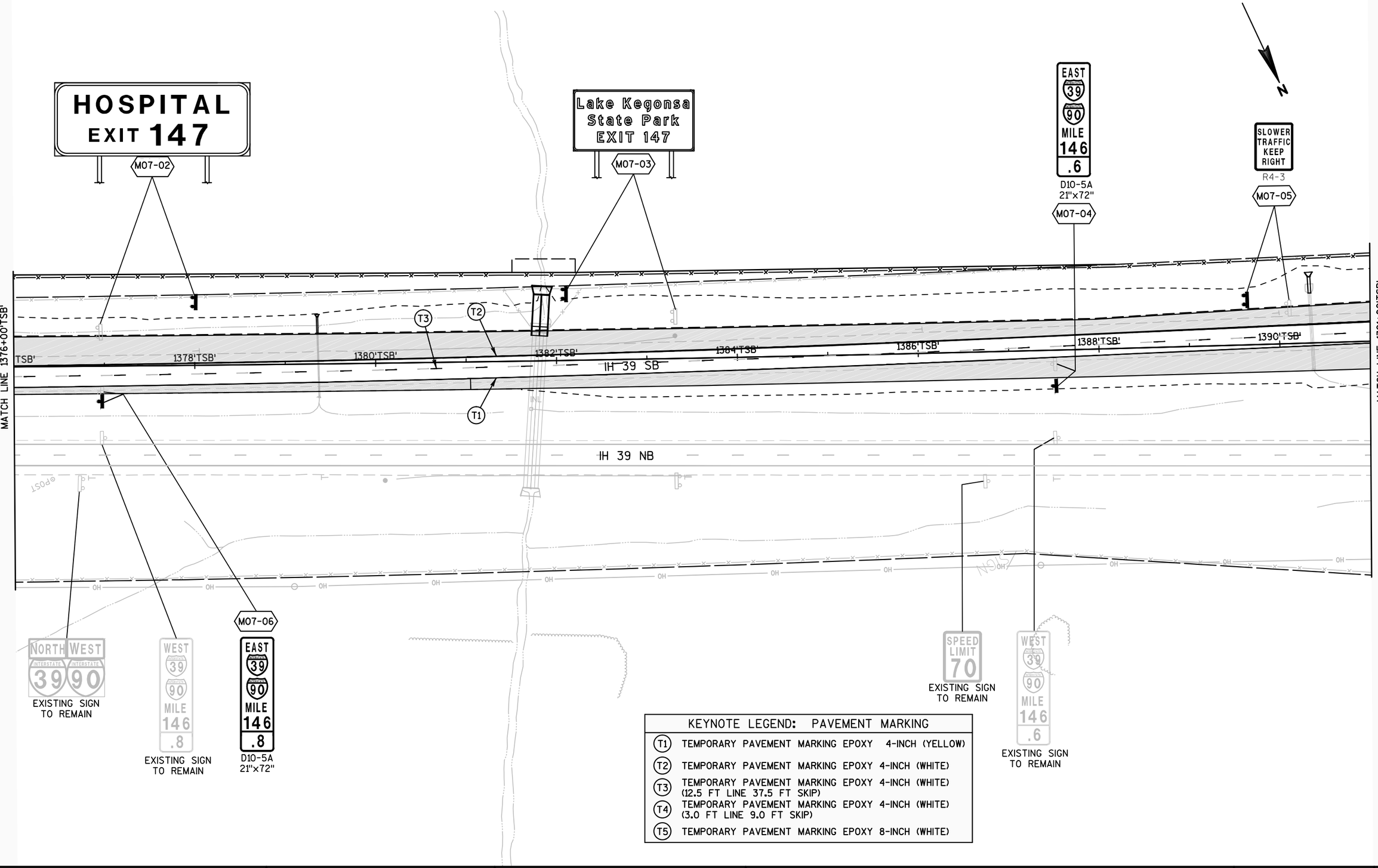
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING PLAN	PAGE 06 OF 14	SHEET	E

FILE NAME : 023200_PS_PM (PERM SIGN & PVMNT MARK).DWG PLOT DATE : 3/2/2017 3:23 PM PLOT BY : SEH LAYOUT NAME : 023206_PS_PM PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

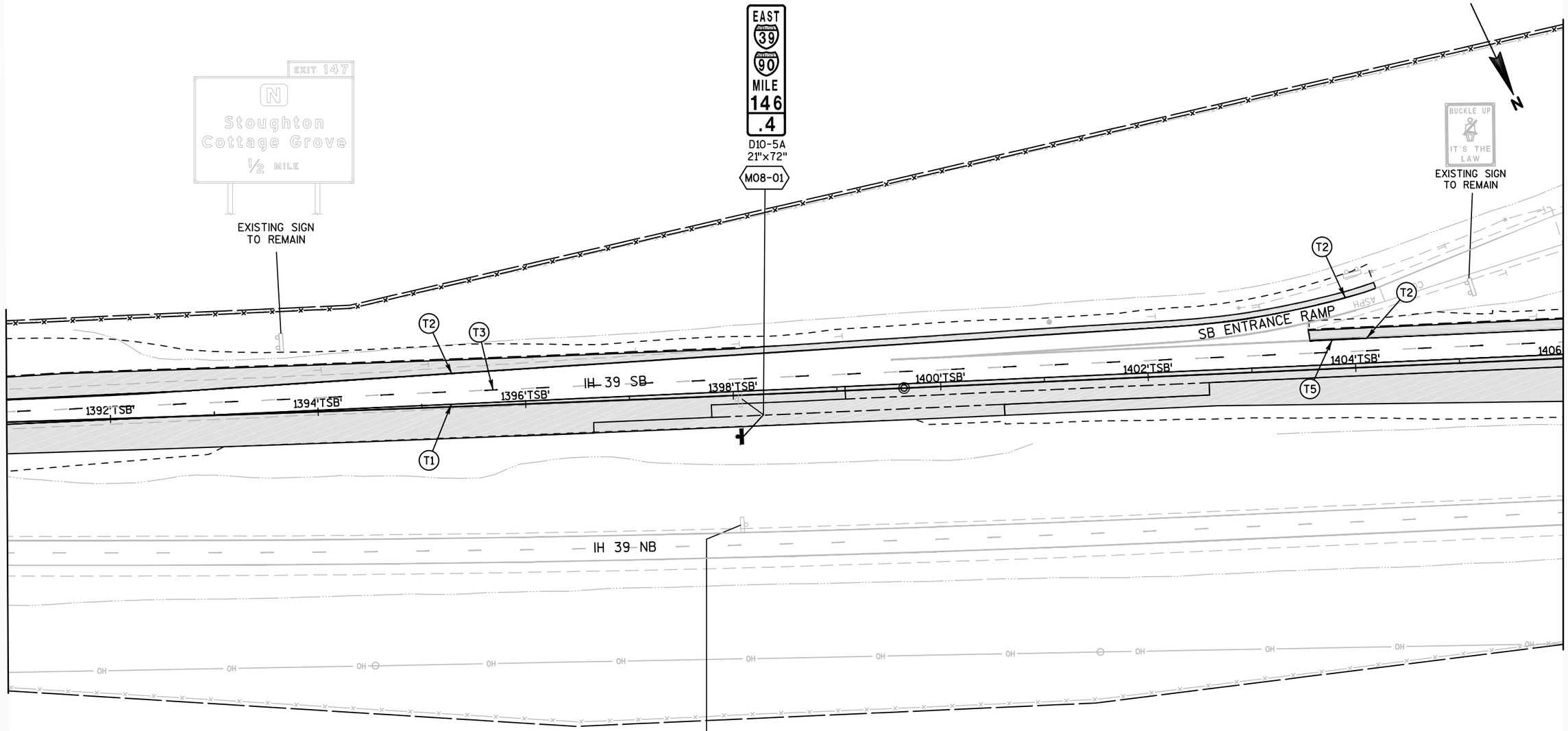
2



KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
T5	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)

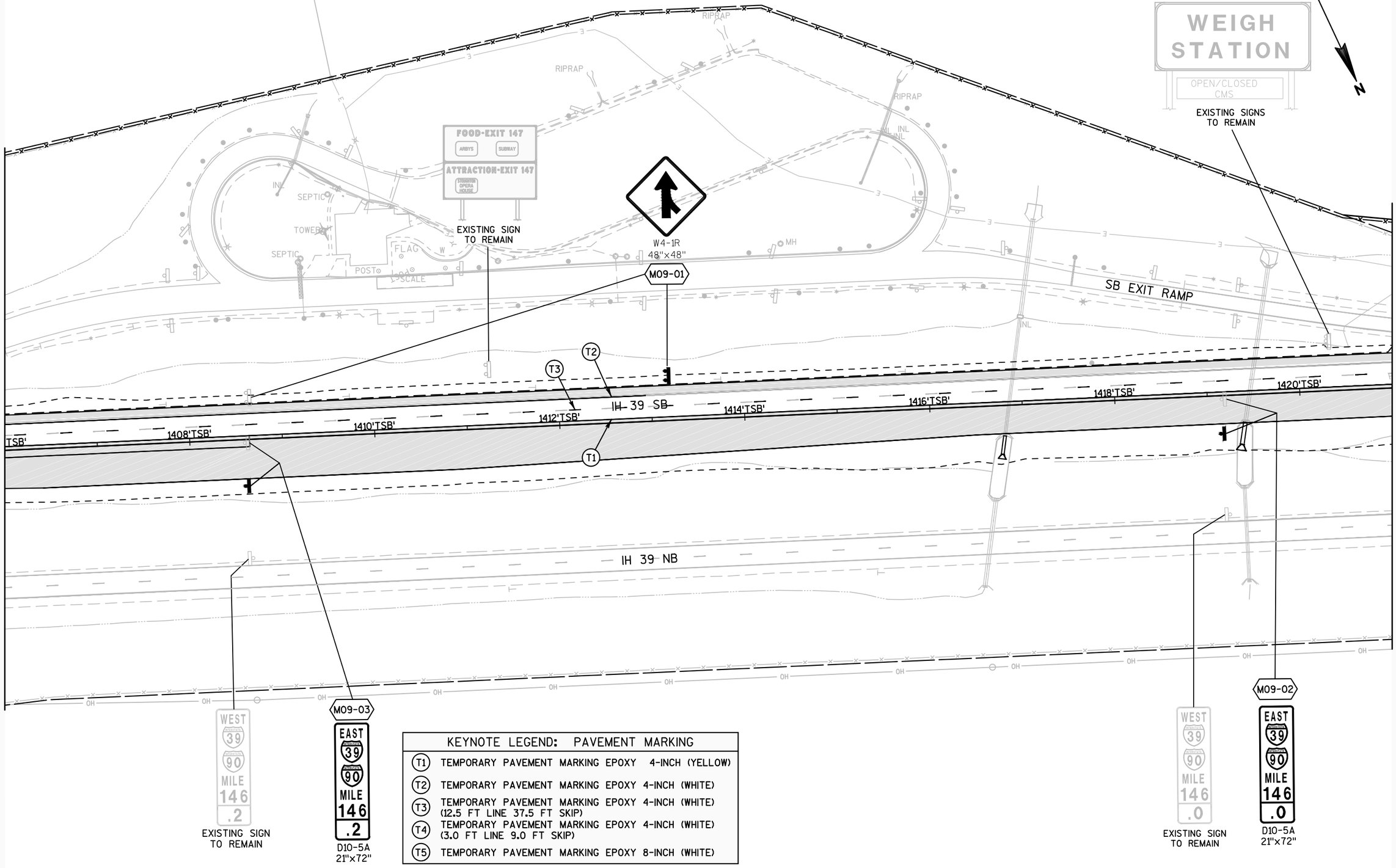
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING PLAN PAGE 07 OF 14	SHEET 74 E

2



KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
T5	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)

2



KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
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T5	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
T5	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)

EAST
39
90
MILE
145
.8
D10-5A
21"x72"
M10-01

EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES
R3-4B
36"X48"
M10-02

MATCH LINE 1421+00'TSB'

SB EXIT RAMP

1422'TSB' 1424'TSB' 1426'TSB' 1428'TSB' IH 39 SB 1430'TSB' 1432'TSB' 1434'TSB' 1436

MATCH LINE 1436+00'TSB'

IH 39 NB

T1 T2 T3

WEST
39
90
MILE
145
.8
EXISTING SIGN TO REMAIN

EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES
EXISTING SIGN TO REMAIN

SEPTIC SEPTIC SEPTIC

OH W T HQ

N

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING PLAN PAGE 10 OF 14	SHEET 77	E

FILE NAME : 023200_PS_PM (PERM SIGN & PVMNT MARK).DWG PLOT DATE : 3/3/2017 12:44 PM PLOT BY : SEH LAYOUT NAME : 023210_PS_PM PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

WEIGH STATION RIGHT LANE
OPEN/CLOSED CMS
EXISTING SIGNS TO REMAIN

WEST 39 90 MILE 145 .6
D10-5A 21"x72"
M11-01

EAST 39 90 MILE 145 .6
D10-5A 21"x72"
M11-02

REMOVE R11-03
REMOVE R11-04

NARROW BRIDGE
EXISTING SIGN TO REMAIN

CTH MN

ADOPT A HIGHWAY SPONSOR THE BERGENS AND FRIENDS
EXISTING SIGNS TO REMAIN

Hwy MN
EXISTING SIGN TO REMAIN

DOOR CREEK

EAST 39 90 MILE 145 .4
D10-5A 21"x72"
M11-05

MATCH LINE 1436+00'TSB'

1438'TSB' 1440'TSB' 1442'TSB' 1444'TSB' IH 39 SB 1446'TSB' 1448'TSB' 1450'TSB'

MATCH LINE 1451+00'TSB'

T1 T2 T3

IH 39 NB

Hwy MN
EXISTING SIGN TO REMAIN

CTH MN

R11-08
REMOVE

35 M.P.H.
EXISTING SIGN TO REMAIN

R11-07
REMOVE

M11-06
WEST 39 90 MILE 145 .4
D10-5A 21"x72"

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
T5	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING PLAN PAGE 11 OF 14	SHEET E

FILE NAME : 023200_PS_PM (PERM SIGN & PVMNT MARK).DWG PLOT DATE : 3/2/2017 3:24 PM PLOT BY : SEH LAYOUT NAME : 023211_PS_PM PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

2

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
T5	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)

EAST
39
90
MILE
145
.2
D10-5A
21"x72"
M12-01

TRUCKS OVER
4 TONS STOP
AT WEIGH STA.
EXISTING SIGN
TO REMAIN

DOOR CREEK

MATCH LINE 1451+00'TSB'

1452'TSB' 1454'TSB' 1456'TSB' 1458'TSB' IH 39 SB 1460'TSB' 1462'TSB' 1464'TSB' 1466

MATCH LINE 1466+00'TSB'

T1 T2 T3

IH 39 NB

DOOR CREEK

M12-03

WEST
39
90
MILE
145
.2
D10-5A
21"x72"

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING PLAN PAGE 12 OF 14	SHEET E

FILE NAME : 023200_PS_PM (PERM SIGN & PVMNT MARK).DWG PLOT DATE : 3/2/2017 3:24 PM PLOT BY : SEH LAYOUT NAME : 023212_PS_PM PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42
SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

2

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
T5	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)

⊙ TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS (5' SPACING TYP)

H DELINEATORS TEMPORARY (DOUBLE SIDED YELLOW, 5' SPACING TYP)

N

PREPASS
FOLLOW
IN-CAB SIGNALS

EXISTING SIGN
TO REMAIN

WEIGH
STATION
1 MILE

EXISTING SIGN
TO REMAIN

MATCH LINE 1466+00'TSB'

MATCH LINE 1481+00'TSB'

1468'TSB' 1470'TSB' 1472'TSB' 1474'TSB' 1476'TSB' 1478'TSB' 1480'TSB'

IH 39 SB

IH 39 NB

T1 T2 T3

M13-04

W
90
MILE
145
0

M13-03

E
90
MILE
145
0

SAVE FOLDER PATH: P:\AE\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING PLAN PAGE 13 OF 14	SHEET E

FILE NAME : 023200_PS_PM (PERM SIGN & PVMNT MARK).DWG PLOT DATE : 3/2/2017 3:24 PM PLOT BY : SEH LAYOUT NAME : 023213_PS_PM PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
T4	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
T5	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)

MATCH LINE 1481+00'TSB'

1482'TSB'

1484'TSB'

T1

T2

T3

T4

T5

E 90 MILE 144 8
EXISTING SIGN TO REMAIN

511 TRAVEL INFO CALL 511
EXISTING SIGN TO REMAIN

Hwy AB
EXISTING SIGN TO REMAIN

24 HR TRUCK PARKING AVAILABLE IN WEIGH STA
EXISTING SIGN TO REMAIN

E 90 MILE 144 6
EXISTING SIGN TO REMAIN

M14-02

W 90 MILE 144 8

EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES
EXISTING SIGNS TO REMAIN

Hwy AB
EXISTING SIGN TO REMAIN

W 90 MILE 144 6
EXISTING SIGN TO REMAIN

CTH AB

IH 39 SB

IH 39 NB

TOWER

POST

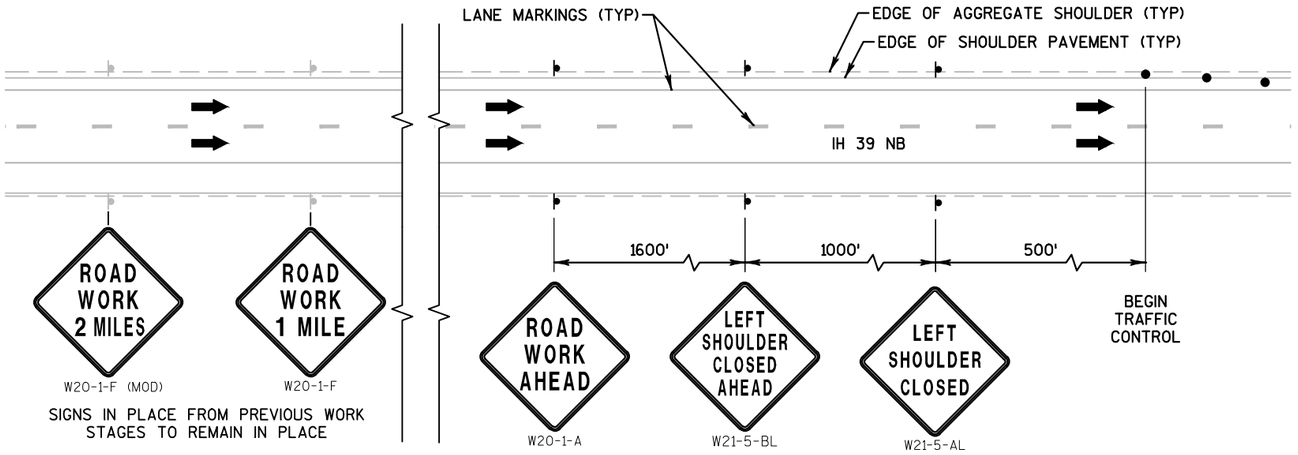
SIGN

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING PLAN	PAGE 14 OF 14	SHEET E

FILE NAME : 023200_PS_PM (PERM SIGN & PVMNT MARK).DWG PLOT DATE : 3/2/2017 3:25 PM PLOT BY : SEH LAYOUT NAME : 023214_PS_PM PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: P:\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS



TRAFFIC CONTROL ADVANCED WARNING AREA - SHOULDER CLOSURE

IH 39 NORTHBOUND OR SOUTHBOUND (NB SHOWN)

DRAWING NOTES:

SPACING AND LOCATIONS OF DEVICES IN THE FIELD SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER.

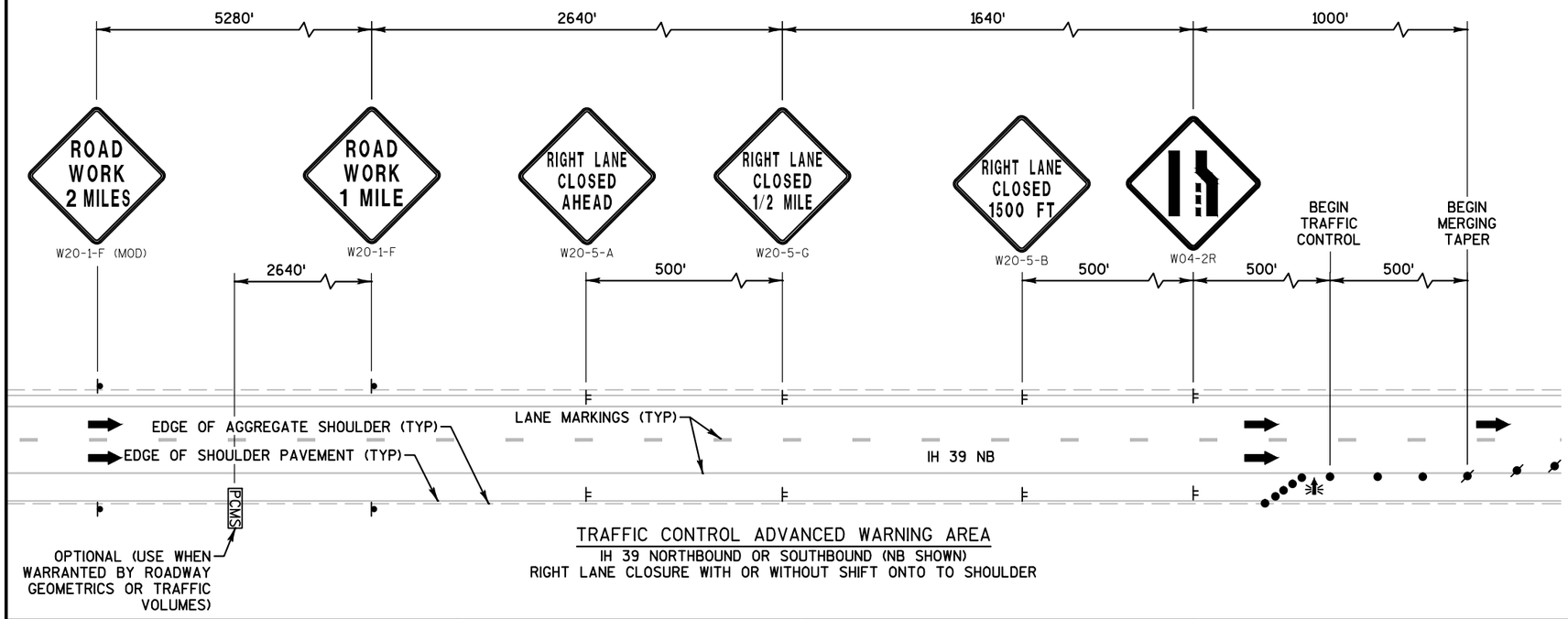
SEE PAGE 02 AND 03 OF 03 FOR LANE CLOSURE AND LANE CLOSURE WITH SHIFT ONTO SHOULDER DETAILS.

RIGHT LANE CLOSURE SHOWN. MIRROR LAYOUT AND SIGN MESSAGES FOR LEFT LANE CLOSURE.

ALL "WO" OR "W" DIAMOND SHAPED WARNING SIGNS, SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

NORTHBOUND AND SOUTH BOUND, PORTABLE CHANGEABLE MESSAGES SIGNS (PCMS), ON IH 39, SHALL BE LOCATED BY WISDOT SOUTHWEST REGION TRAFFIC SECTION.

FOR APPLICATION OF REGULATORY OR ADVISORY SPEED LIMIT SIGNS, CONTACT RICH CANNON, I-39/90 TRAFFIC MANAGEMENT ENGINEER, AT (608) 884-1160.



TRAFFIC CONTROL ADVANCED WARNING AREA

IH 39 NORTHBOUND OR SOUTHBOUND (NB SHOWN)

RIGHT LANE CLOSURE WITH OR WITHOUT SHIFT ONTO TO SHOULDER

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 W/ A MIN. 5' MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS TEMPORARY
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK VEHICLE
- WORK SPACE
- TEMPORARY PAVEMENT
- 16"x16" SIGN FLAGS, TEMP. (INCIDENTAL TO SIGN ITEM)

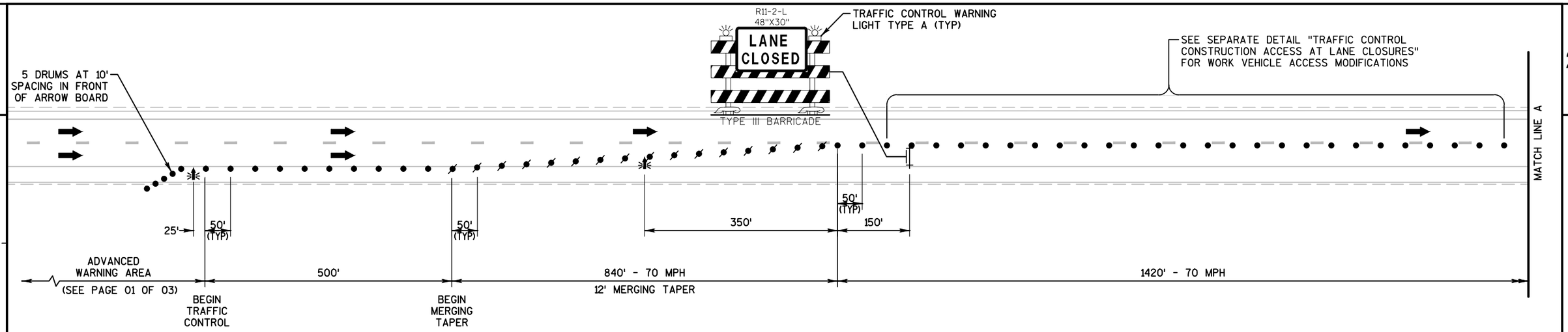
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL DETAIL - ADVANCED WARNING AREA	SHEET 82	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 025000_TC (TRAF CNTRL DETAILS - IH 39).DWG | PLOT DATE : 1/31/2017 10:16 PM | PLOT BY : SEH | LAYOUT NAME : 025101_TC | PLOT SCALE : 1 IN = 100.0 FT

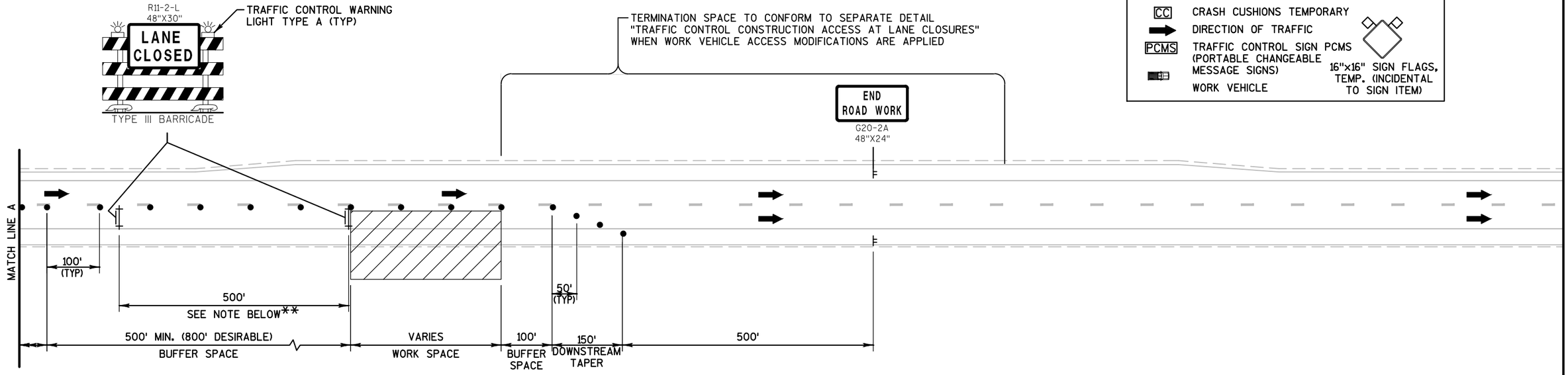
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISONPROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\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 W/ A MIN. 5' MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS TEMPORARY
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK VEHICLE
- WORK SPACE
- TEMPORARY PAVEMENT
- 16"x16" SIGN FLAGS, TEMP. (INCIDENTAL TO SIGN ITEM)



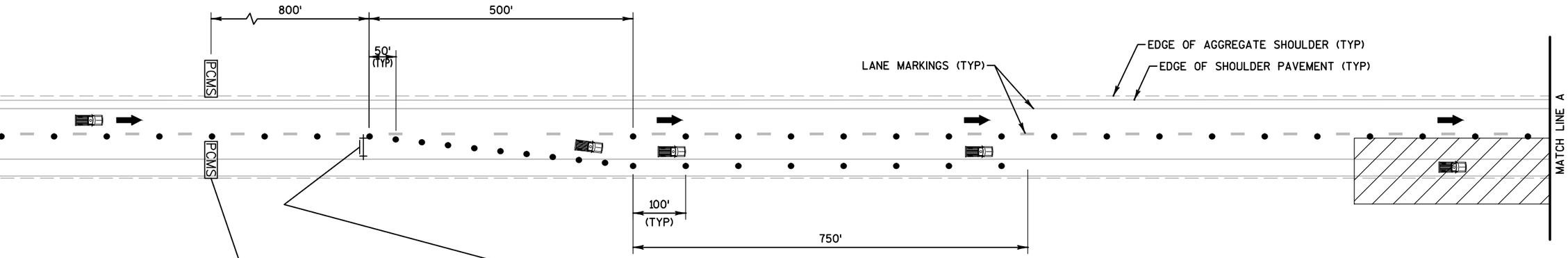
**NOTE, IF DISTANCE TO END OF MERGING TAPER IS GREATER THAN ½ MILE, INSTALL ADDITIONAL BARRICADE UNITS AT ¼ MILE INTERVALS

TRAFFIC CONTROL - LANE CLOSURE

NIGHT USE ONLY

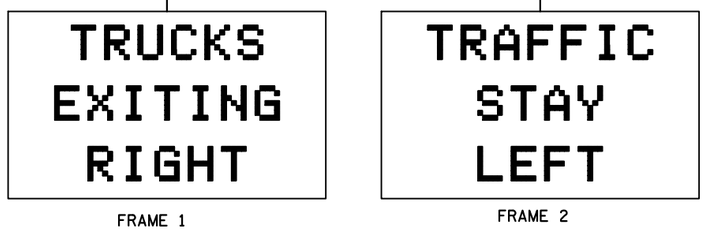
(PAGE 02 OF 03)

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL DETAIL - LANE CLOSURE	SHEET 83	E



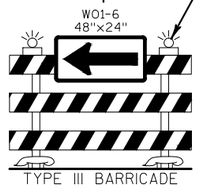
FOR CONSTRUCTION TRAFFIC EXITING LIVE TRAFFIC LANES
(RIGHT LANE CLOSURE SHOWN MIRROR FOR LEFT LANE CLOSURES)

TRAFFIC CONTROL WARNING LIGHT TYPE A (TYP)



FRAME 1 FRAME 2

PORTABLE CHANGEABLE MESSAGE SIGN DISPLAYS



TYPE III BARRICADE

DRAWING NOTES:

SPACING AND LOCATIONS OF DEVICES IN THE FIELD SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER.

SEE OTHER TRAFFIC CONTROL DETAILS FOR LANE CLOSURE DETAILS.

RIGHT LANE CLOSURE SHOWN. MIRROR LAYOUT AND SIGN MESSAGES FOR LEFT LANE CLOSURE.

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) MESSAGES TO ALTERNATE BETWEEN MESSAGES SHOWN IN FRAME 1 AND FRAME 2 (RIGHT LANE CLOSURE MESSAGES SHOWN, MIRROR "RIGHT/LEFT" MESSAGES FOR LEFT LANE CLOSURES).

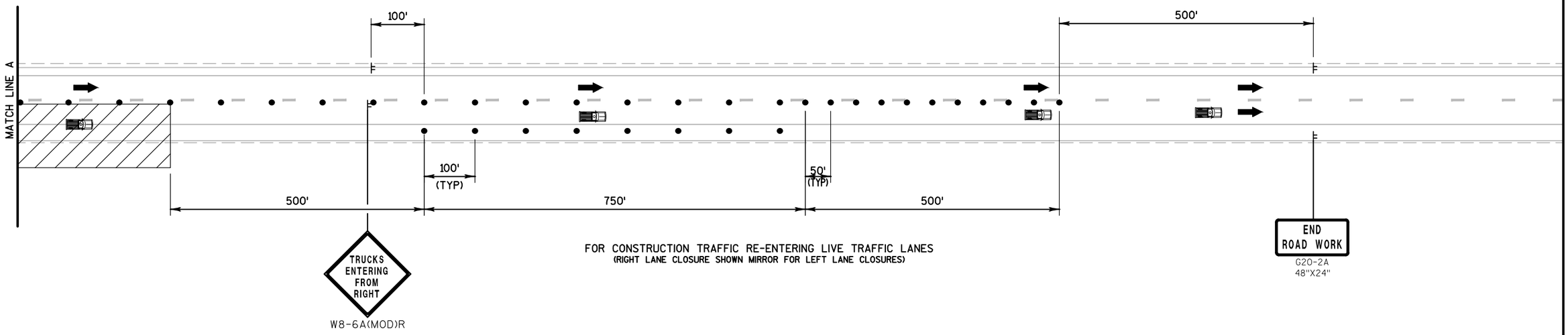
TRAFFIC CONTROL LEGEND

- 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 W/ A MIN. 5' MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS TEMPORARY
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK VEHICLE

WORK SPACE

TEMPORARY PAVEMENT

16"x16" SIGN FLAGS, TEMP. (INCIDENTAL TO SIGN ITEM)



W8-6A(MOD)R

FOR CONSTRUCTION TRAFFIC RE-ENTERING LIVE TRAFFIC LANES
(RIGHT LANE CLOSURE SHOWN MIRROR FOR LEFT LANE CLOSURES)

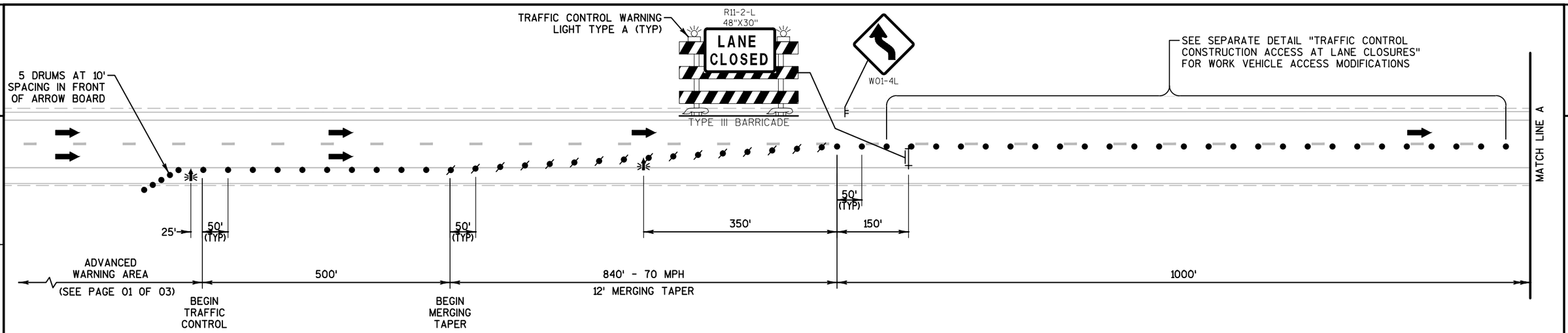
TRAFFIC CONTROL CONSTRUCTION ACCESS AT LANE CLOSURES

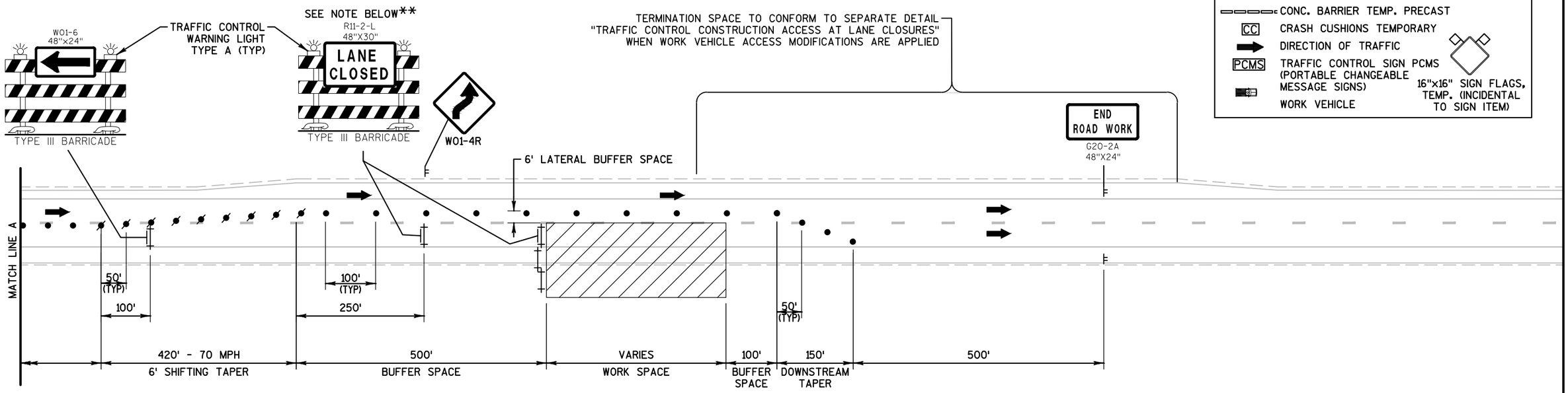
NIGHT USE ONLY

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL DETAIL - CONSTRUCTION ACCESS	SHEET 84	E

FILE NAME : 025000_TC (TRAF CNTRL DETAILS - IH 39).DWG | PLOT DATE : 1/31/2017 10:16 PM | PLOT BY : SEH | LAYOUT NAME : 025104_TC | 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\10071084\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 W/ A MIN. 5' MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS TEMPORARY
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK VEHICLE
- WORK SPACE
- TEMPORARY PAVEMENT
- 16"x16" SIGN FLAGS, TEMP. (INCIDENTAL TO SIGN ITEM)

**NOTE, IF DISTANCE TO END OF MERGING TAPER IS GREATER THAN ½ MILE, INSTALL ADDITIONAL BARRICADE UNITS AT ¼ MILE INTERVALS

TRAFFIC CONTROL - LANE CLOSURE WITH SHIFT ONTO SHOULDER

NIGHT USE ONLY

(PAGE 03 OF 03)

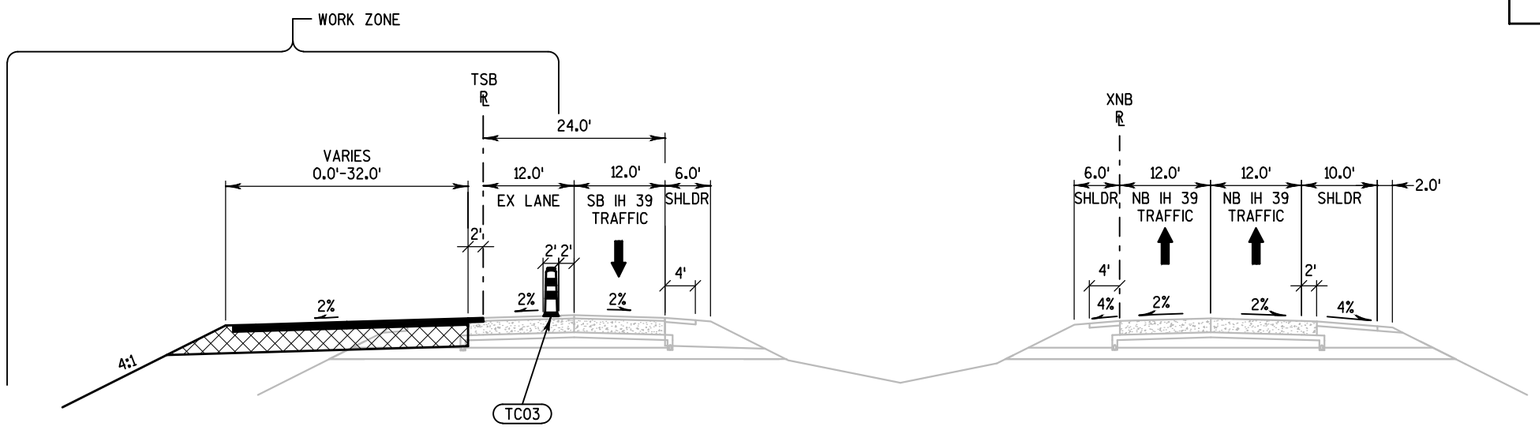
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL DETAIL - LANE CLOSURE WITH SHIFT	SHEET 85	E

FILE NAME : 025000_TC (TRAF CNTRL DETAILS - IH 39).DWG | PLOT DATE : 1/31/2017 10:16 PM | PLOT BY : SEH | LAYOUT NAME : 025103_TC | PLOT SCALE : 1 IN = 100.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

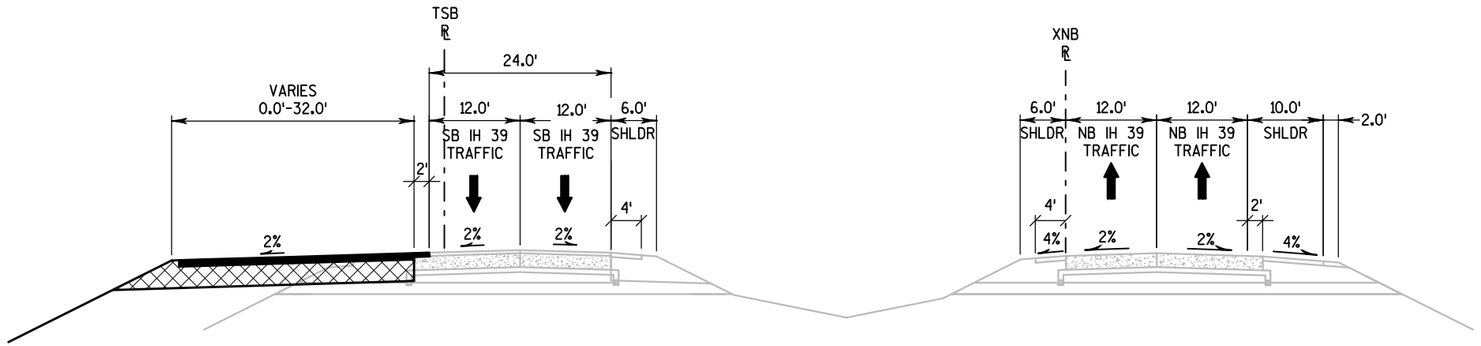
KEYED NOTE LEGEND

TC03	TRAFFIC CONTROL DRUM (100' SPACING TYPICAL)



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 1 - NIGHTTIME HOURS

STA 1246+00'TSB' TO 1308+26'TSB'
STA 1369+30'TSB' TO 1484+30'TSB'



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 1 - DAYTIME HOURS

STA 1246+00'TSB' TO 1308+26'TSB'
STA 1369+30'TSB' TO 1484+30'TSB'

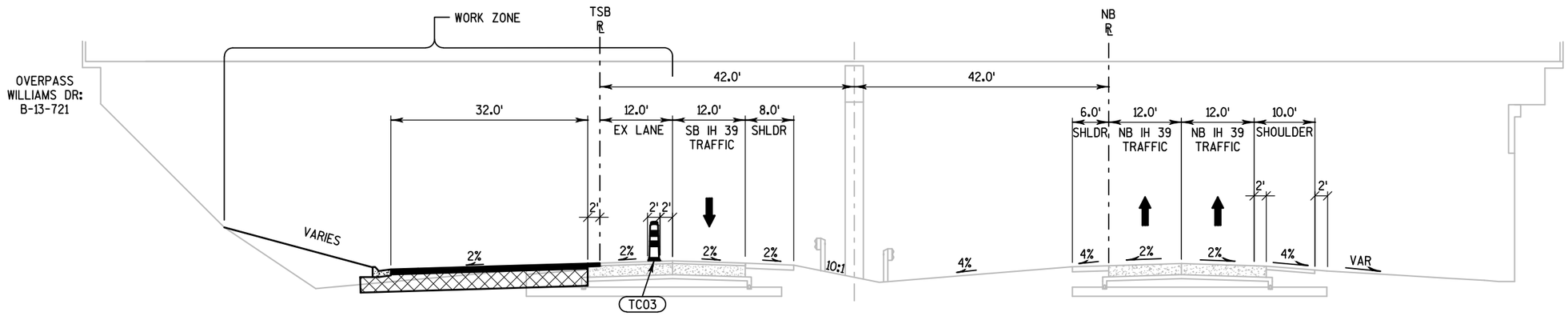
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TYPICAL SECTION (TRAFFIC CONTROL - STAGE 1)	SHEET 86	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

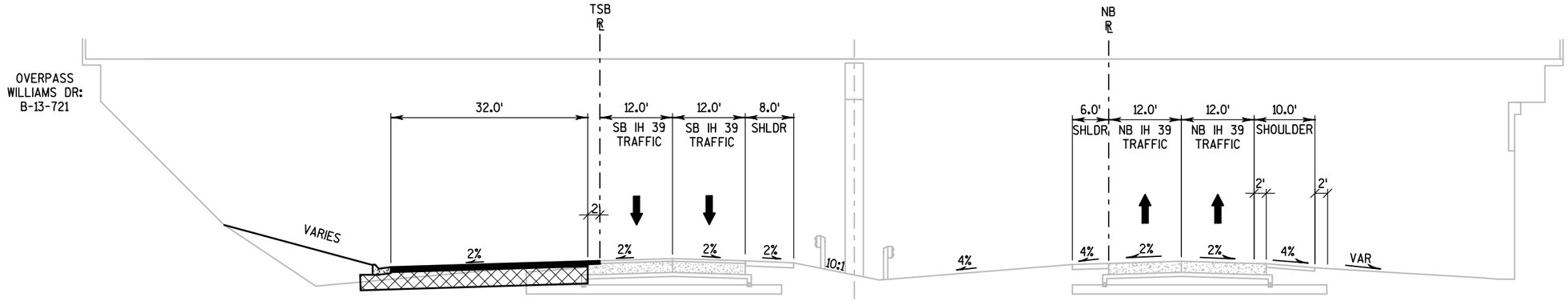
KEYED NOTE LEGEND

TC03	TRAFFIC CONTROL DRUM (100' SPACING TYPICAL)



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 1 - NIGHTTIME HOURS

OVERPASS WILLIAMS DR STA 1370+05'TSB' TO 1372+00'TSB'



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 1 - DAYTIME HOURS

OVERPASS WILLIAMS DR STA 1370+05'TSB' TO 1372+00'TSB'

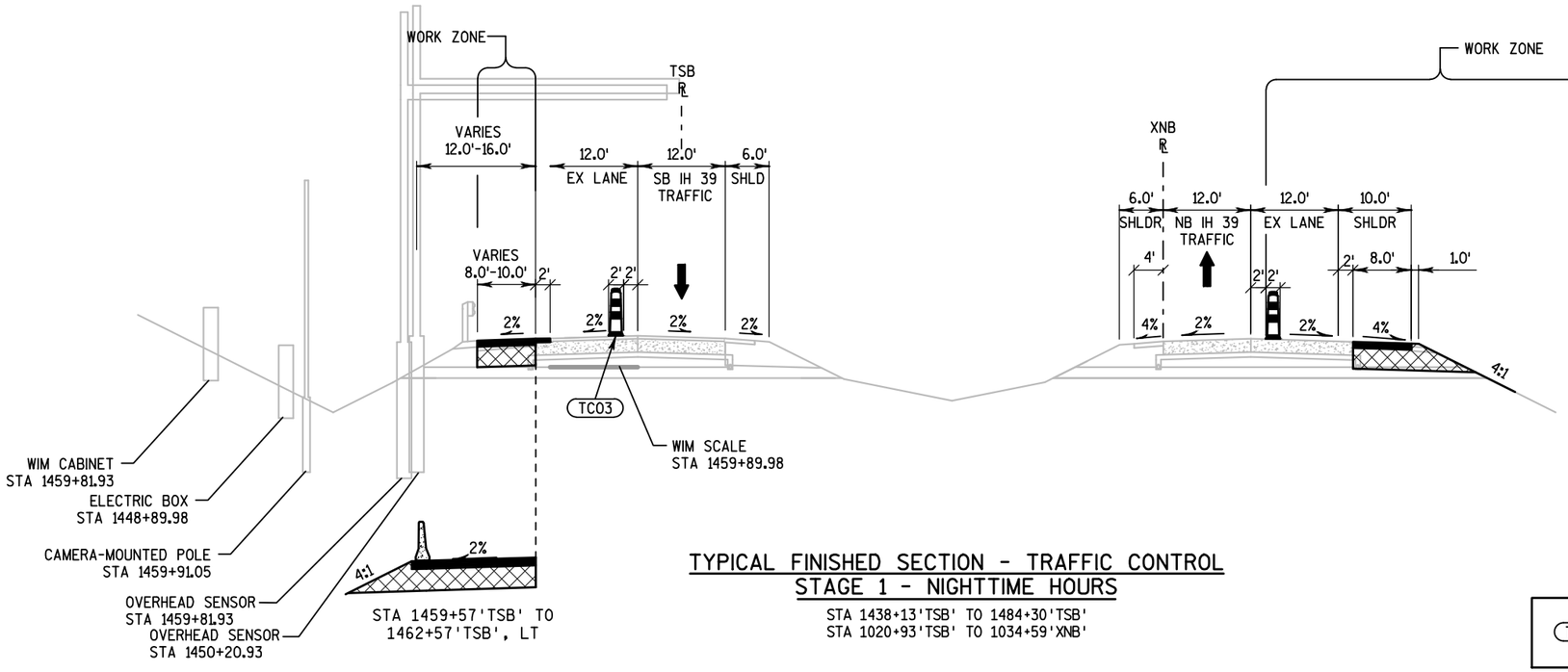
SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TYPICAL SECTION (TRAFFIC CONTROL - STAGE 1)	SHEET 87	E

FILE NAME : 025301_TC_TS (TRAF CNTRL TYP SEC).DWG PLOT DATE : 2/1/2017 9:21 AM PLOT BY : SEH INC LAYOUT NAME : STG 1 (2) PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 42

2

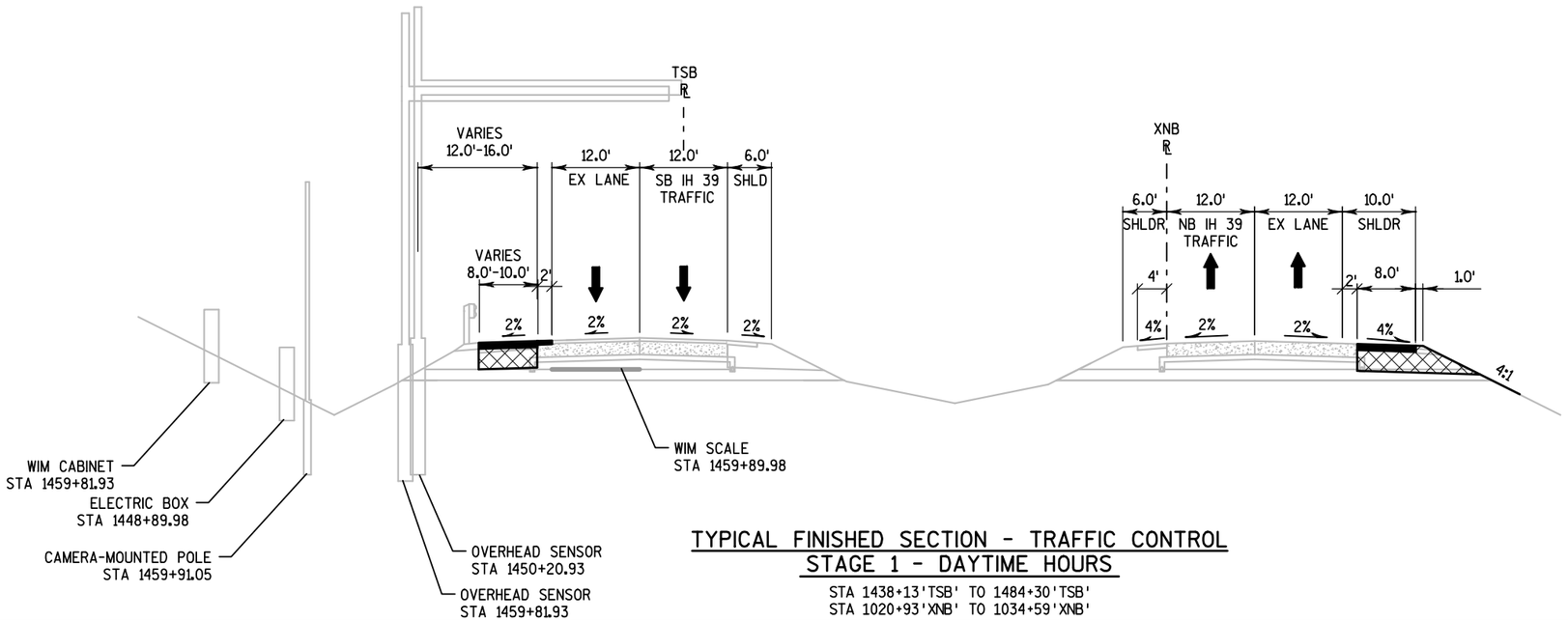


TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 1 - NIGHTTIME HOURS

STA 1438+13'TSB' TO 1484+30'TSB'
STA 1020+93'TSB' TO 1034+59'XNB'

KEYED NOTE LEGEND

TC03	TRAFFIC CONTROL DRUM (100' SPACING TYPICAL)



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 1 - DAYTIME HOURS

STA 1438+13'TSB' TO 1484+30'TSB'
STA 1020+93'XNB' TO 1034+59'XNB'

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TYPICAL SECTION (TRAFFIC CONTROL - STAGE 1B)	SHEET 88	E

CONSTRUCTION SUMMARY

CONSTRUCTION OPERATIONS CONCURRENT WITH PROJECTS 1007-10-81, 1007-10-88, 1007-10-86, AND 1007-11-81.

CONSTRUCT TEMPORARY PAVEMENTS FOR SB IH 39 OUTSIDE SHOULDER WIDENING.

CONSTRUCT TEMPORARY BRIDGE WIDENING B-13-140 ABUTMENTS AND PILINGS.

CONSTRUCT BOX CULVERT C-13-3089 STG 1.

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, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

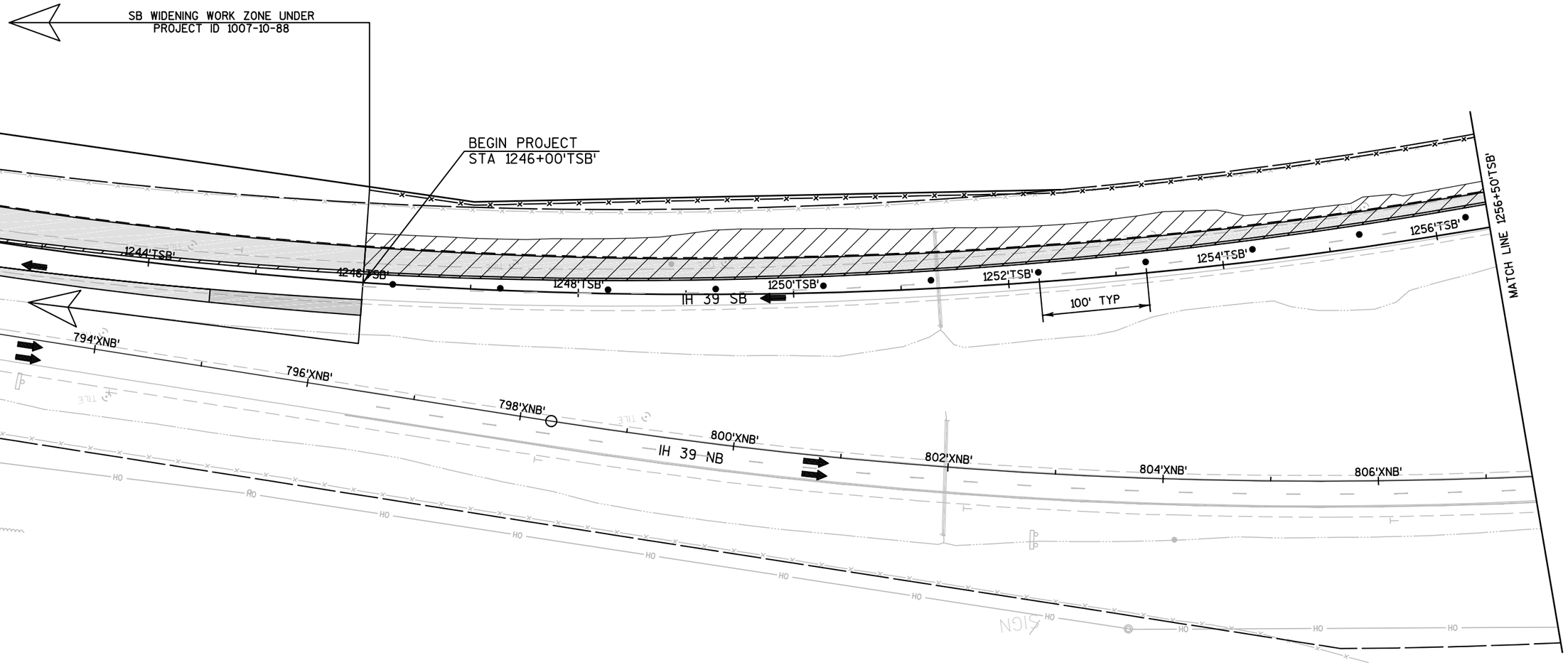
MAINTENANCE OF TRAFFIC

ALL MAINLINE NB/SB IH 39 TRAFFIC SHALL REMAIN ON EXISTING LANES DURING DAYTIME HOURS.

ALL MAINLINE NB/SB IH 39 TRAFFIC SHALL BE MERGED INTO THE MEDIAN SIDE LANE DURING NIGHTTIME HOURS.

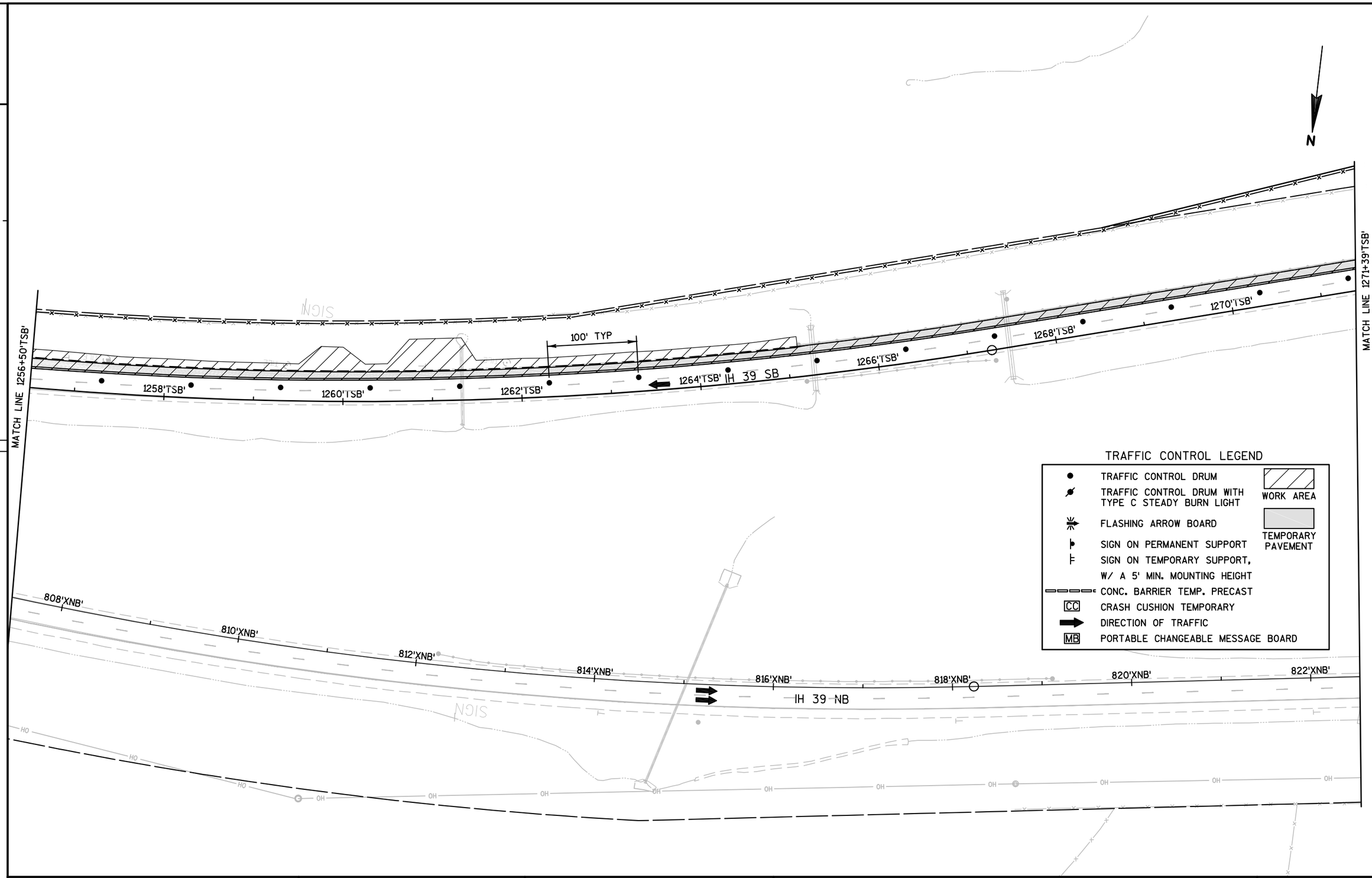
CTH MN SHALL REMAIN OPEN TO TRAFFIC UTILIZING SHOULDER CLOSURES.

N



SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\11918\CIVIL 3D\1007101\SHEETSPLAN\1007108A\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL
FILE NAME : 025000_TC (TRAF CNTRL STAGE 1).DWG
PLOT DATE : 1/31/2017 10:18 PM
PLOT BY : SEH
LAYOUT NAME : 025001_TC_STG_1
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

2



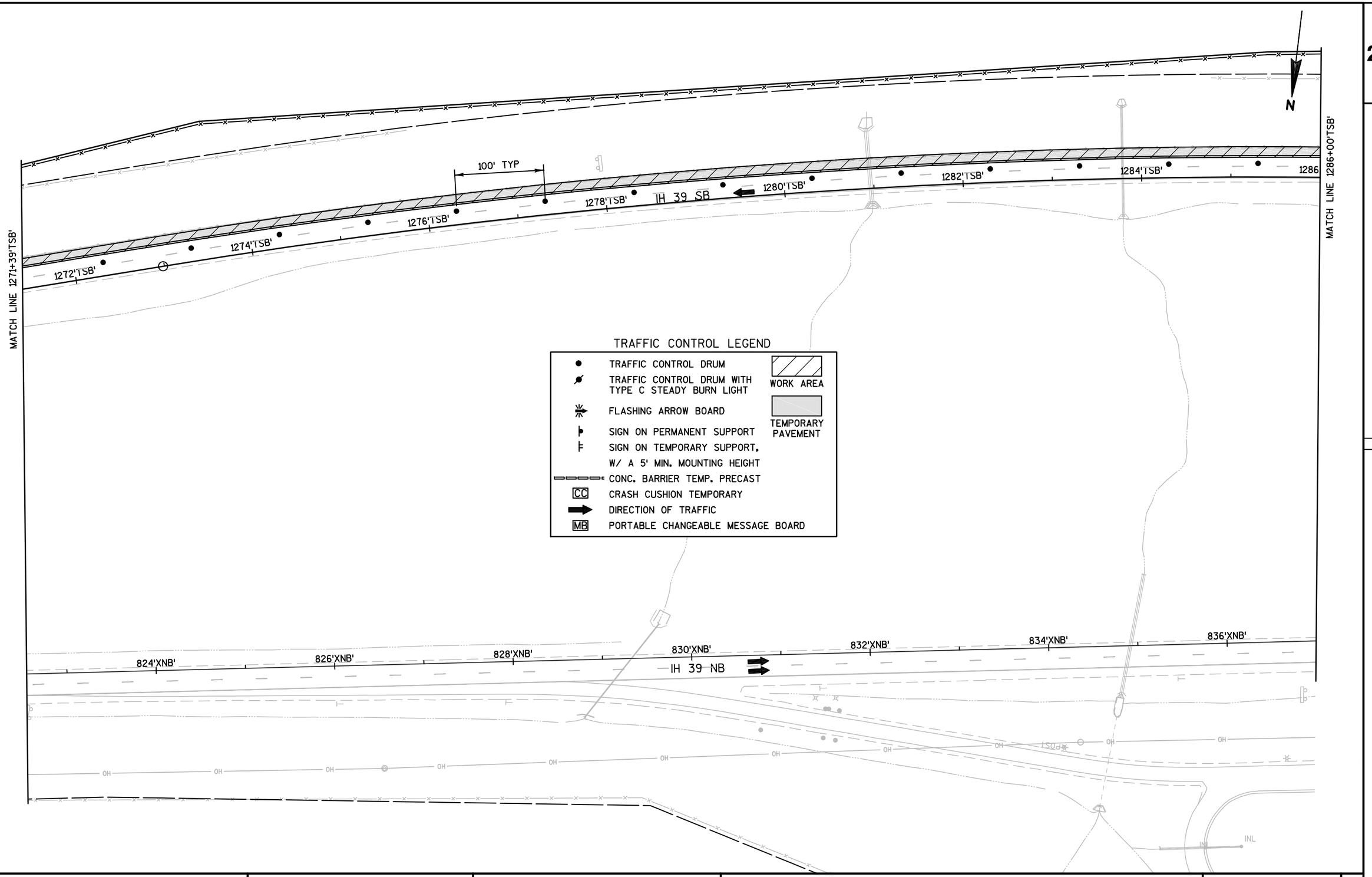
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 02 OF 17	SHEET	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 1).DWG
PLOT DATE : 1/31/2017 10:18 PM
PLOT BY : SEH
LAYOUT NAME : 025002_TC_STG_1
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\DVDANEL\119189\CIVIL 3D\1007001\SHEETSPLAN\1007108A\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\DVDANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 03 OF 17	SHEET	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 1).DWG | PLOT DATE : 1/31/2017 10:18 PM | PLOT BY : SEH | LAYOUT NAME : 025003_TC_STG_1 | PLOT SCALE : 1.0 IN = 100.0 FT

2

MATCH LINE 1286+00'TSB'

100' TYP

TSB'

1288'TSB'

1290'TSB'

1292'TSB'

1294'TSB'

IH 39 SB

1296'TSB'

1298'TSB'

1300'TSB'

MATCH LINE 1301+00'TSB'

N

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, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

838'XNB'

840'XNB'

842'XNB'

844'XNB'

IH 39 NB

846'XNB'

848'XNB'

850'XNB'

OH

SCALE

MH

INL

PROJECT NO:1007-10-84	HWY:IH 39	COUNTY:DANE	TRAFFIC CONTROL - STAGE 1	PAGE 04 OF 17	SHEET	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 1).DWG | PLOT DATE : 1/31/2017 10:18 PM | PLOT BY : SEH | LAYOUT NAME : 025004_TC_STG_1 | PLOT SCALE : 1.0 IN = 100.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007101001\SHEETSPLAN\1007101001\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

N

SB WIDENING WORK ZONE BY OTHERS
CONSTRUCTED UNDER PROJECT ID
1007-10-86

100' TYP

MATCH LINE 1301+00'TSB'

1302'TSB'
1304'TSB'
1306'TSB'
1308'TSB'
IH 39 SB
1310'TSB'
1312'TSB'
1314'TSB'
1316'TSB'

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, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

852'XNB'
854'XNB'
856'XNB'
858'XNB'
860'XNB'
IH 39 NB
862'XNB'
864'XNB'
866'XNB'

OH

PROJECT NO:1007-10-84	HWY:IH 39	COUNTY:DANE	TRAFFIC CONTROL - STAGE 1	PAGE 05 OF 17	SHEET 93	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 1).DWG
PLOT DATE : 1/31/2017 10:18 PM
PLOT BY : SEH
LAYOUT NAME : 025005_TC_STG_1
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101001\SHEETSPLAN\1007101001\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

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

2

2

SB WIDENING WORK ZONE BY OTHERS
CONSTRUCTED UNDER PROJECT ID
1007-10-86

WILLIAMS DR

SEPTIC

SEPTIC

1362'TSB' 1364'TSB' 1366'TSB' 1368'TSB' 1370'TSB' 1372'TSB' 1374'TSB' 1376

IH 39 SB

100' TYP

912'XNB' 914'XNB' 916'XNB' 918'XNB' 920'XNB' 922'XNB' 924'XNB'

IH 39 NB

MATCH LINE 1376+00'TSB'

NB SHOULDER WIDENING WORK ZONE
BY OTHERS CONSTRUCTED UNDER
PROJECT ID 1007-10-86

NB SHOULDER WIDENING WORK ZONE
BY OTHERS CONSTRUCTED UNDER
PROJECT ID 1007-10-86

WILLIAMS DR

TRAFFIC CONTROL LEGEND

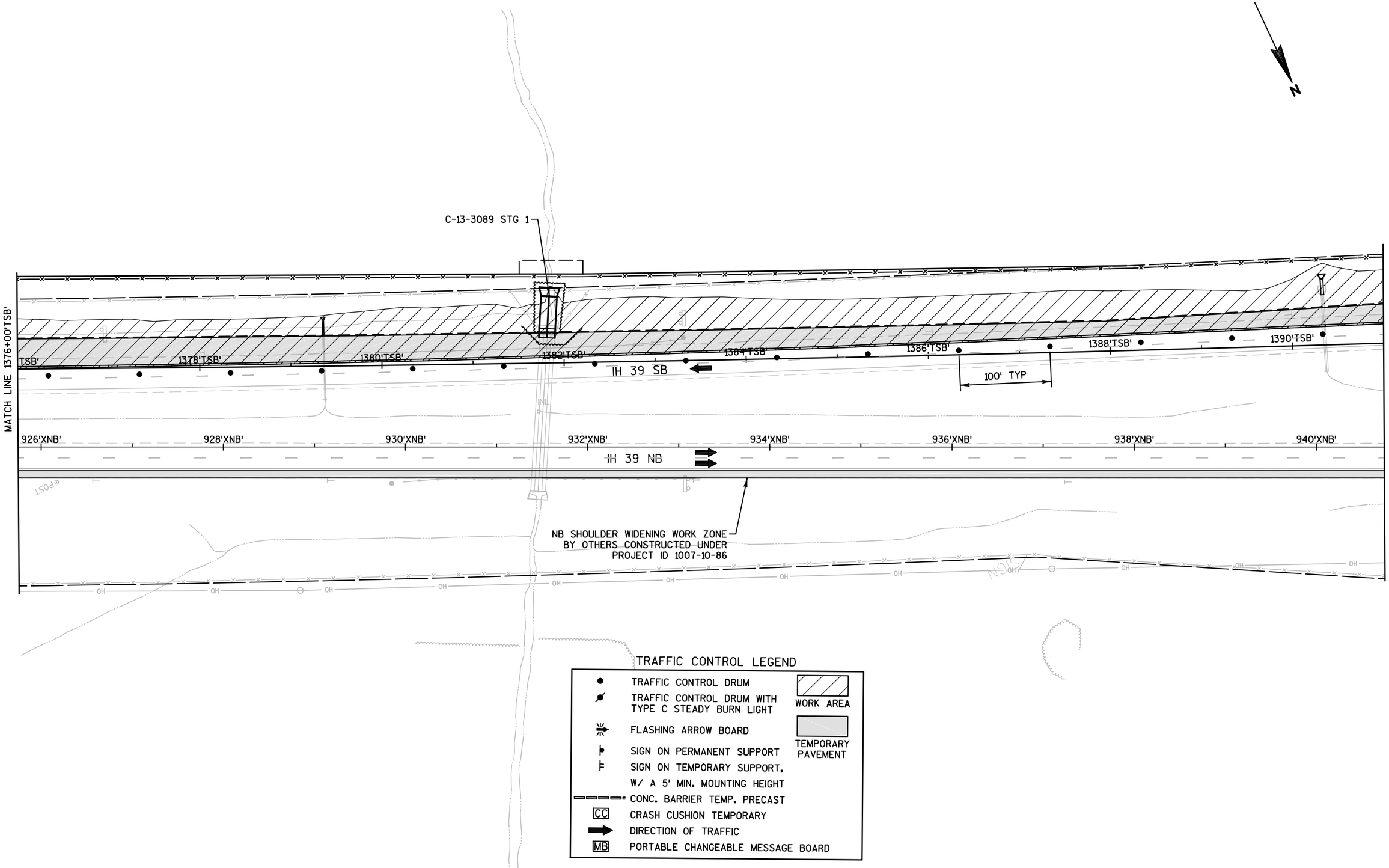
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 09 OF 17	SHEET	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 1).DWG PLOT DATE : 1/31/2017 10:18 PM PLOT BY : SEH LAYOUT NAME : 025009_TC_STG_1 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

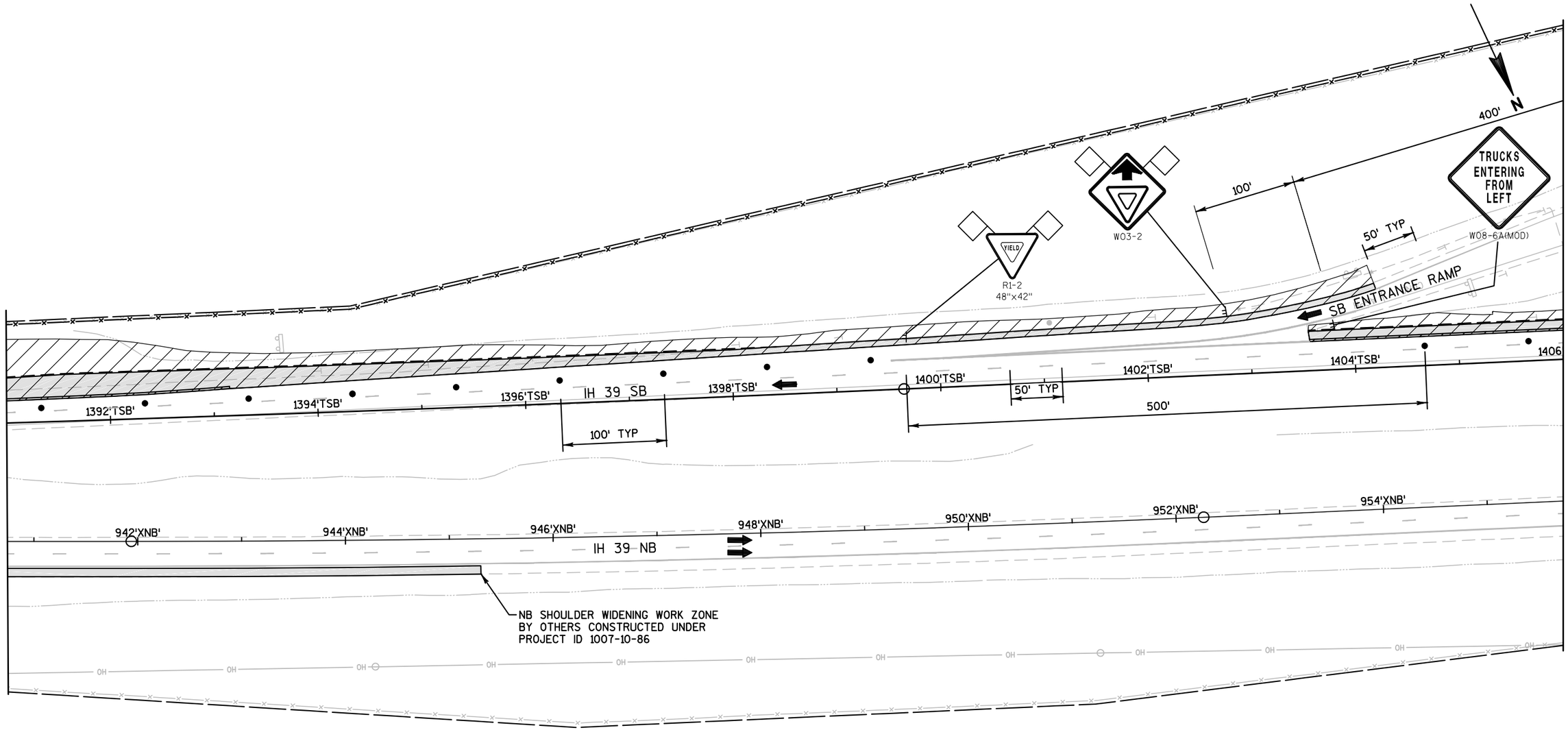
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 10 OF 17	SHEET 95	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 1).DWG
PLOT DATE : 1/31/2017 10:18 PM
PLOT BY : SEH
LAYOUT NAME : 025010_TC_STG_1
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\1007 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, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

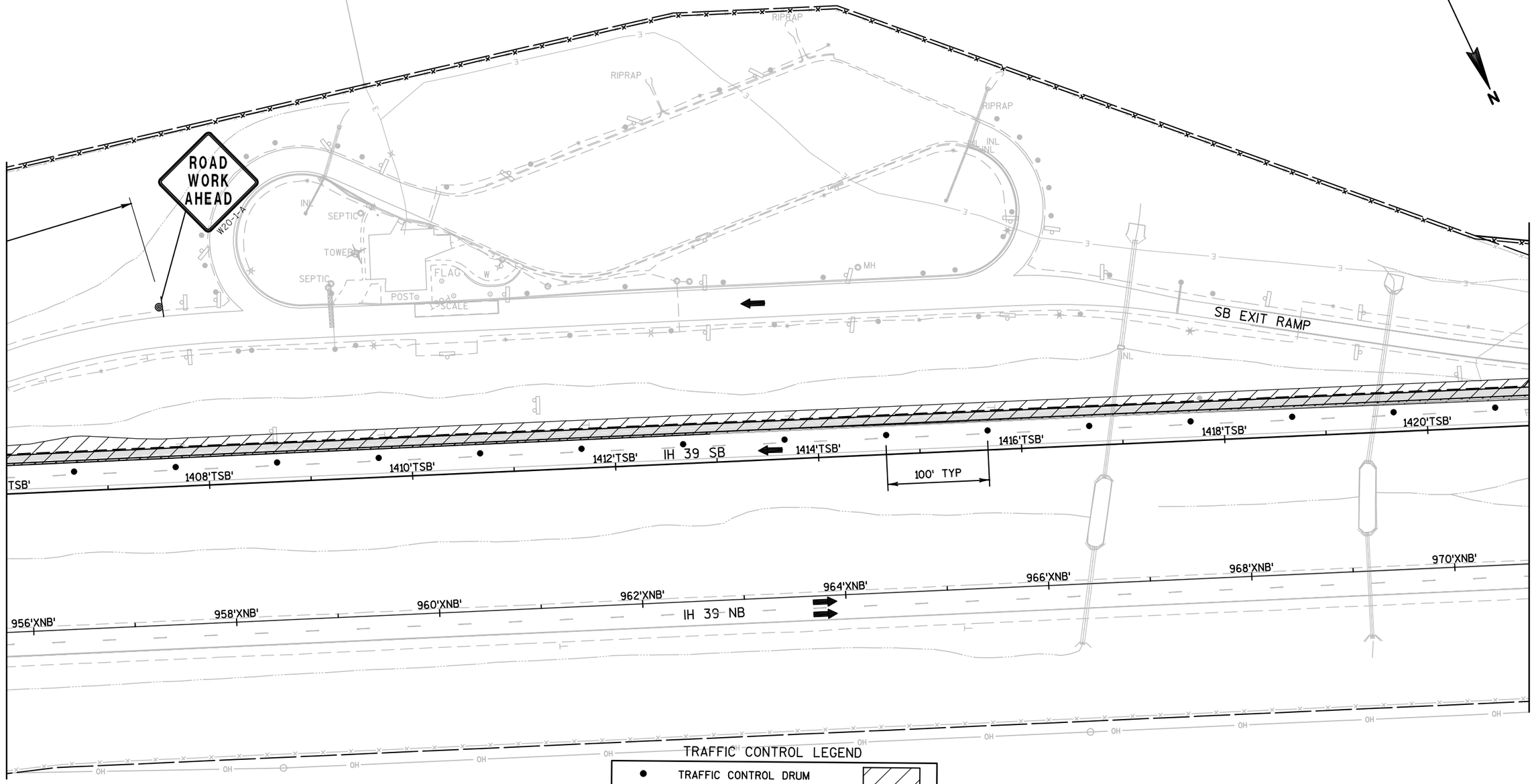
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 11 OF 17	SHEET 96	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 025000_TC (TRAF CNTRL STAGE 1).DWG | PLOT DATE : 1/31/2017 10:18 PM | PLOT BY : SEH | LAYOUT NAME : 025011_TC_STG_1 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

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, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 12 OF 17	SHEET 97	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 025000_TC (TRAF CNTRL STAGE 1).DWG | PLOT DATE : 1/31/2017 10:18 PM | PLOT BY : SEH | LAYOUT NAME : 025012_TC_STG_1 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 1421+00'TSB'

SB EXIT RAMP

1422'TSB'

1424'TSB'

1426'TSB'

100' TYP

1428'TSB'

IH 39 SB

1430'TSB'

1432'TSB'

1434'TSB'

1436

MATCH LINE 1436+00'TSB'

976'XNB'

978'XNB'

980'XNB'

982'XNB'

984'XNB'

974'XNB'

972'XNB'

IH 39 NB

SEPTIC

SCALE

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, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

WORK AREA

TEMPORARY PAVEMENT

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 13 OF 17	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071008\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 025000_TC (TRAF CNTRL STAGE 1).DWG | PLOT DATE : 1/31/2017 10:18 PM | PLOT BY : SEH | LAYOUT NAME : 025013_TC_STG_1 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

2

N

DOOR CREEK

CTH MN

SEPTIC

MAILBOX

MATCH LINE 1436+00'TSB'

MATCH LINE 1451+00'TSB'

1436'TSB'

1438'TSB'

1440'TSB'

1442'TSB'

1444'TSB'

IH 39 SB

1446'TSB'

1448'TSB'

1450'TSB'

100' TYP

986'XNB'

988'XNB'

990'XNB'

992'XNB'

994'XNB'

IH 39 NB

996'XNB'

998'XNB'

1000'XNB'

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, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

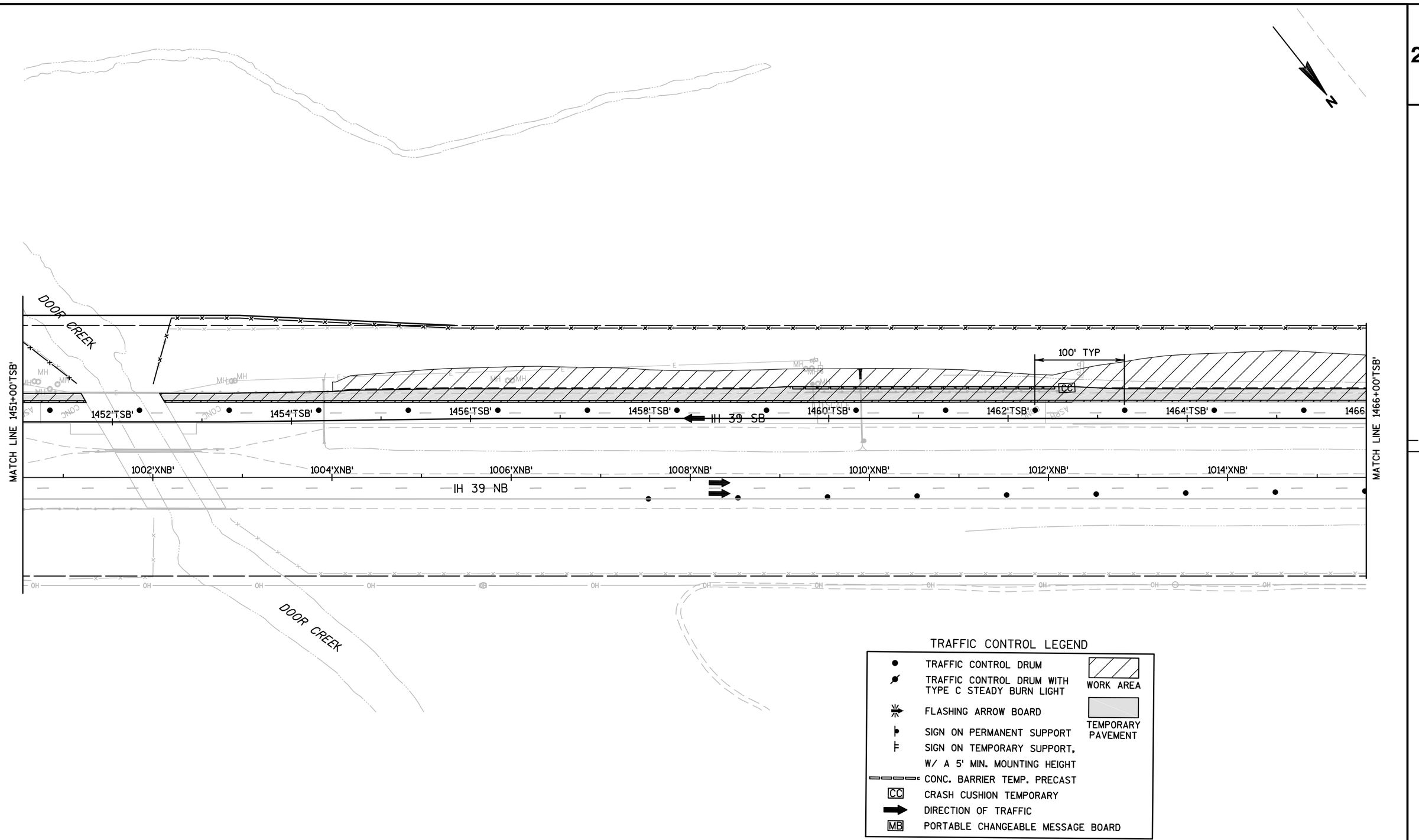
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 14 OF 17	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\DV\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 025000_TC (TRAF CNTRL STAGE 1).DWG | PLOT DATE : 1/31/2017 10:19 PM | PLOT BY : SEH | LAYOUT NAME : 025014_TC_STG_1 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\DV\DANEL\119189\CIVIL 3D\100710001\SHEETSPLAN\100710841\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL



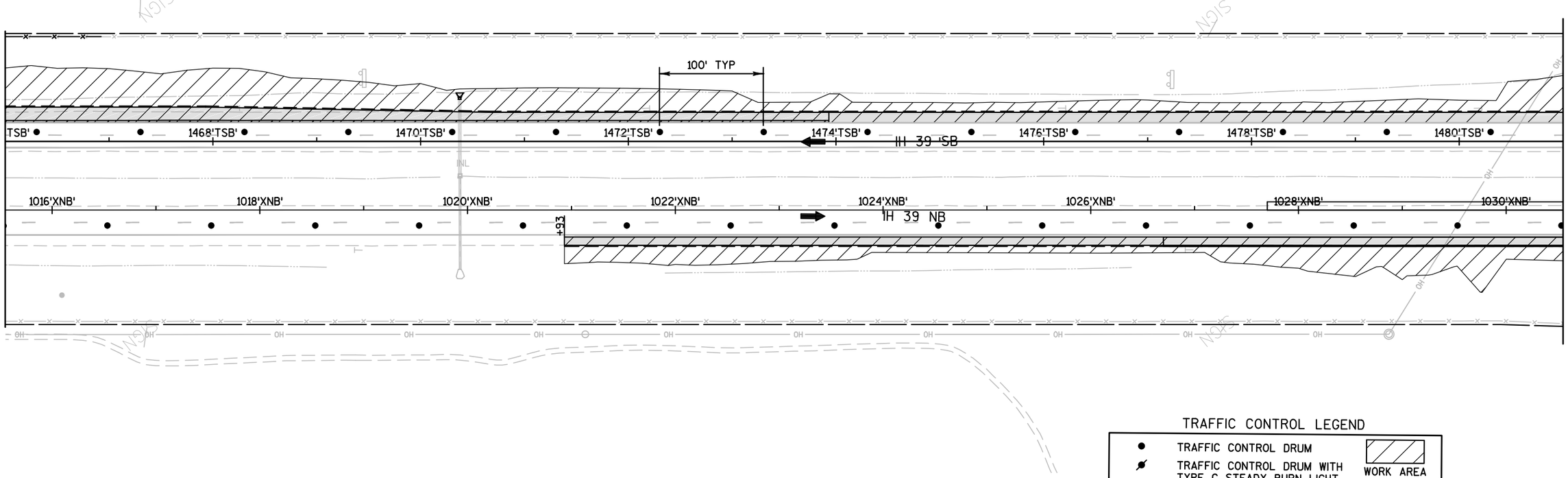
TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 15 OF 17	SHEET	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 1).DWG | PLOT DATE : 1/31/2017 10:19 PM | PLOT BY : SEH | LAYOUT NAME : 025015_TC_STG_1 | PLOT SCALE : 1.0 IN = 100.0 FT | WISDOT/CADDS SHEET 42

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, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 16 OF 17	SHEET	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 1).DWG | PLOT DATE : 1/31/2017 10:19 PM | PLOT BY : SEH | LAYOUT NAME : 025016_TC_STG_1 | 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\10071084\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

N

CTH AB

CTH AB RECONSTRUCTION WORK ZONE
BY OTHERS CONSTRUCTED UNDER
PROJECT ID 1007-10-81

TOWER

POST

MATCH LINE 1481+00'TSB'

1482'TSB'

1484'TSB'

1486'TSB'

+10

IH 39 SB

1032'XNB'

1034'XNB'

1036'XNB'

1038'XNB'

1040'XNB'

1042'XNB'

1044'XNB'

1046

+59

IH 39 NB

CTH AB

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, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

WORK AREA

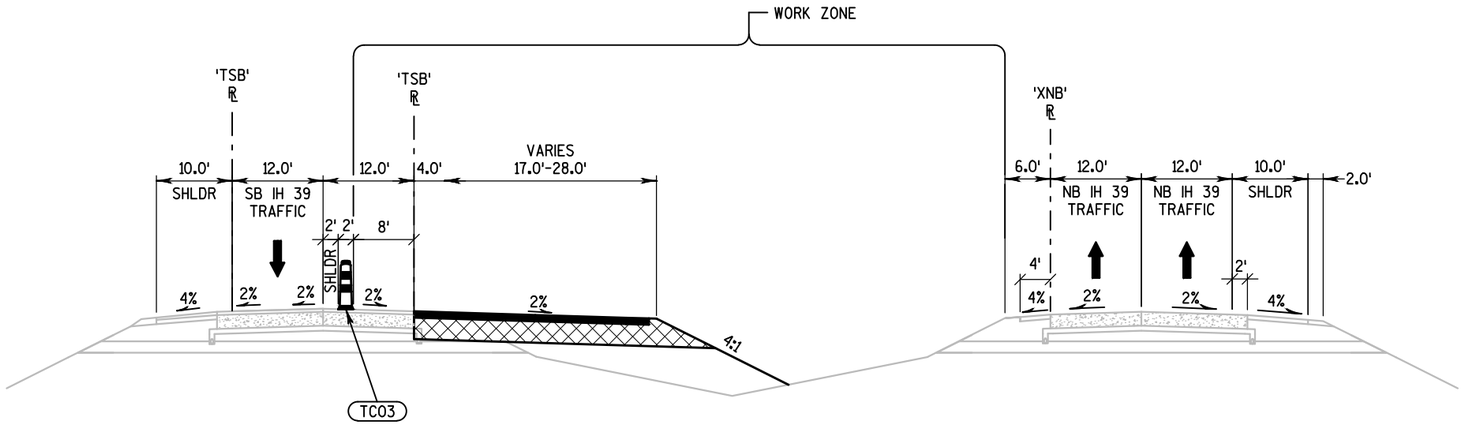
TEMPORARY PAVEMENT

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	PAGE 17 OF 17	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\DV\DANEL\119189\CIVIL 3D\100710O1\SHEETSPLAN\100710B4\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 025000_TC (TRAF CNTRL STAGE 1).DWG | PLOT DATE : 1/31/2017 10:19 PM | PLOT BY : SEH | LAYOUT NAME : 025017_TC_STG_1 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

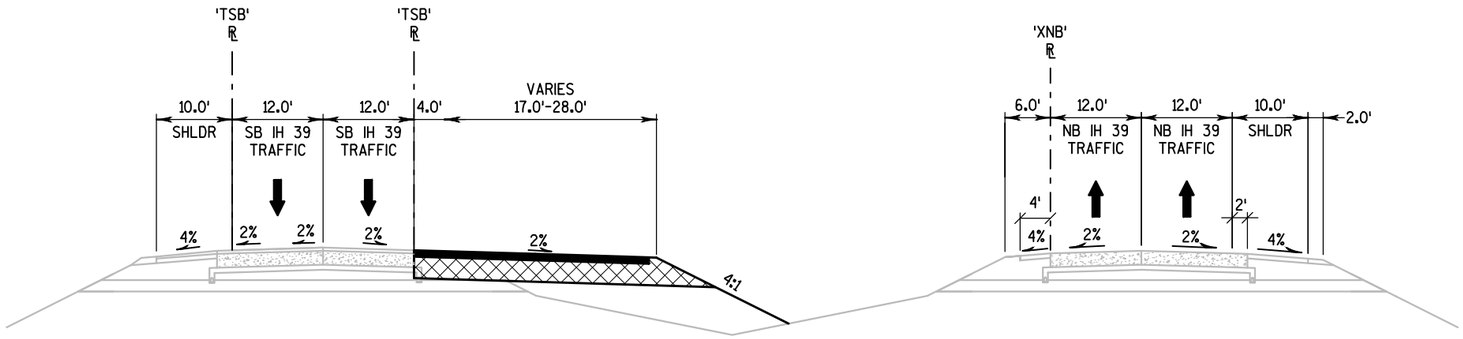


TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 2 - NIGHTTIME HOURS

STA 1246+00'TSB' TO 1287+90'TSB'
STA 1369+00'TSB' TO 1374+00'TSB'

KEYED NOTE LEGEND

TC03	TRAFFIC CONTROL DRUM (100' SPACING TYPICAL)
CB99	CONCRETE BARRIER TEMPORARY PRECAST



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 2 - DAYTIME HOURS

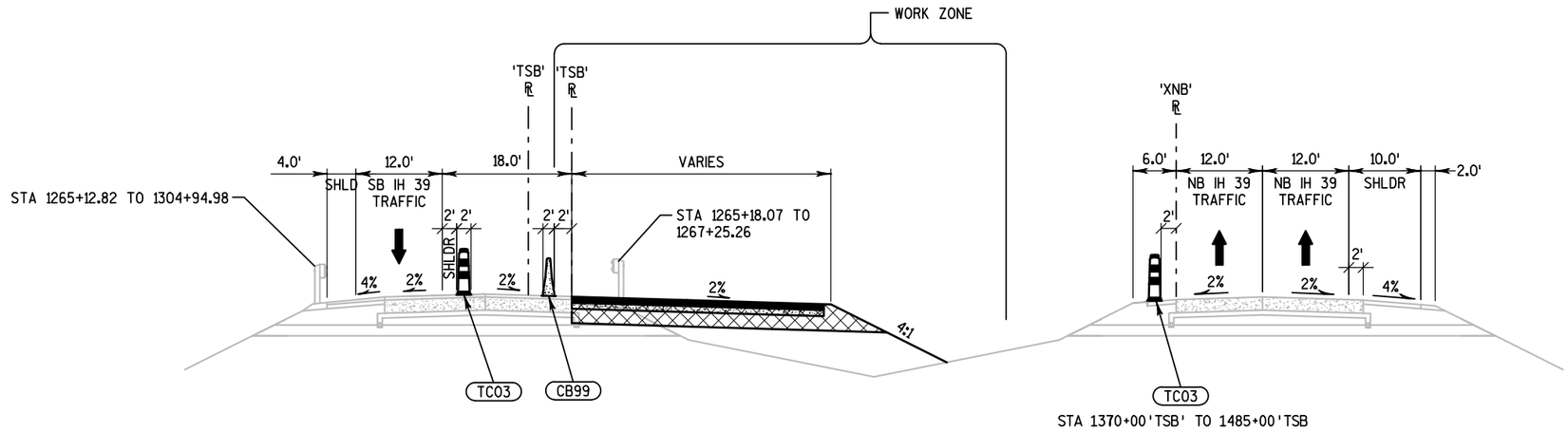
STA 1246+00'TSB' TO 1287+90'TSB'
STA 1369+00'TSB' TO 1374+00'TSB'

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TYPICAL SECTION (TRAFFIC CONTROL - STAGE 2)	SHEET	E

FILE NAME : 025301_TC_TS (TRAF CNTRL TYP SEC).DWG PLOT DATE : 2/1/2017 9:22 AM PLOT BY : SEH INC LAYOUT NAME : STG 2 (2) PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 42

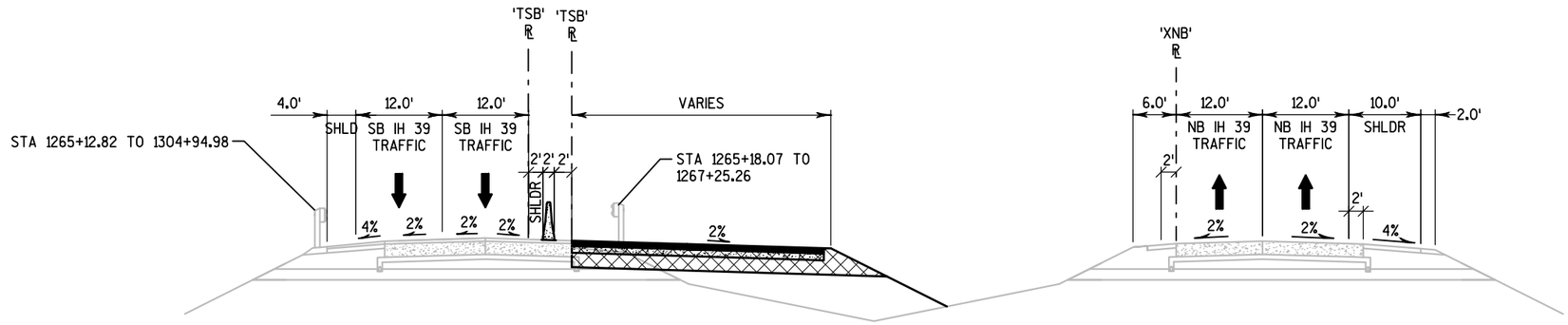


TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 2 - NIGHTTIME HOURS

STA 1287+90'TSB' TO 1308+26'TSB'
STA 1374+00'TSB' TO 1467+00'TSB'

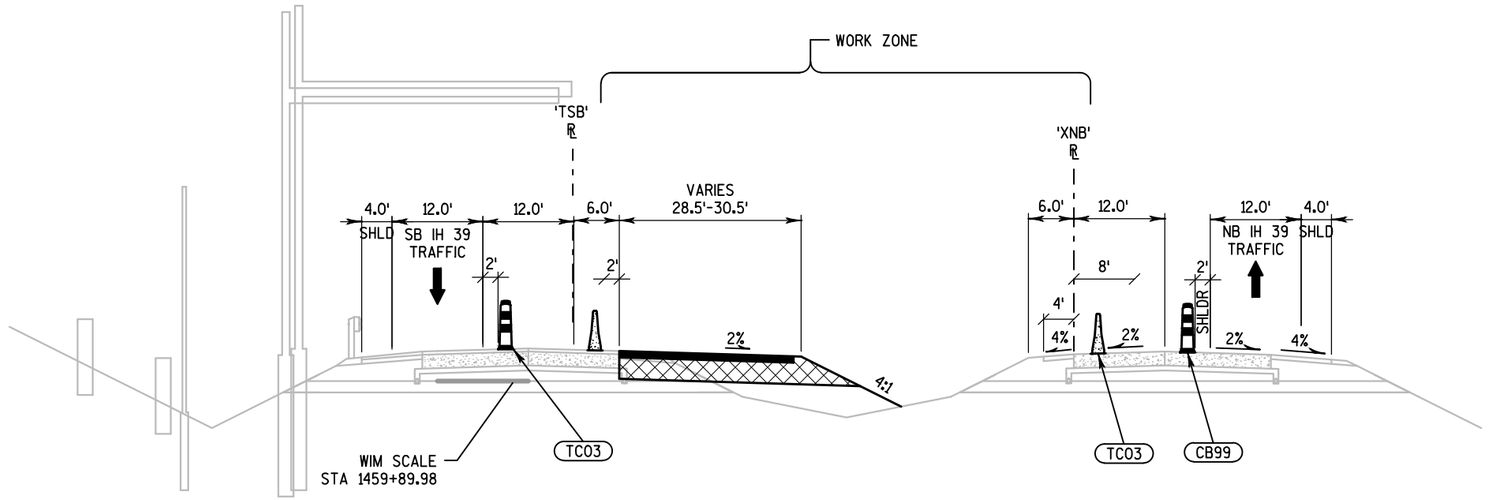
KEYED NOTE LEGEND

TC03	TRAFFIC CONTROL DRUM (100' SPACING TYPICAL)
CB99	CONCRETE BARRIER TEMPORARY PRECAST



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 2 - DAYTIME HOURS

STA 1287+90'TSB' TO 1308+26'TSB'
STA 1374+00'TSB' TO 1467+00'TSB'

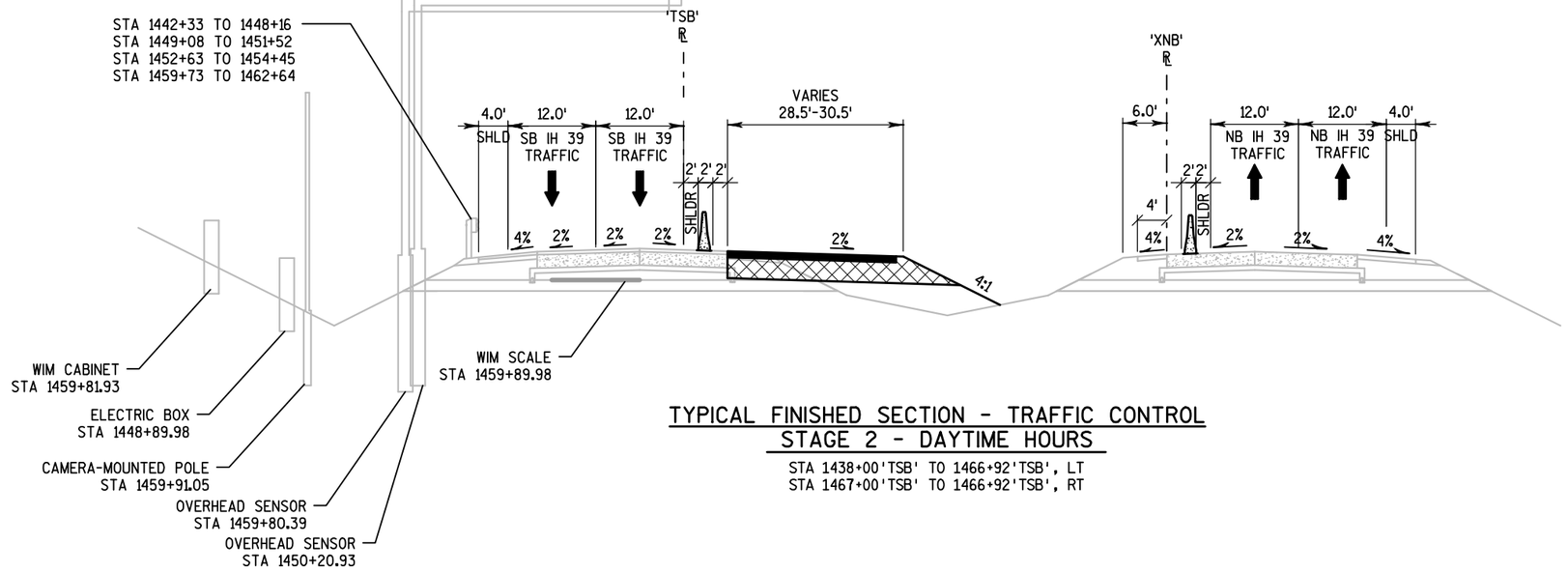


TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 2 - NIGHTTIME HOURS

STA 1467+00'TSB' TO 1467+00'TSB'

KEYED NOTE LEGEND

TC03	TRAFFIC CONTROL DRUM (100' SPACING TYPICAL)
CB99	CONCRETE BARRIER TEMPORARY PRECAST



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 2 - DAYTIME HOURS

STA 1438+00'TSB' TO 1466+92'TSB', LT
STA 1467+00'TSB' TO 1466+92'TSB', RT

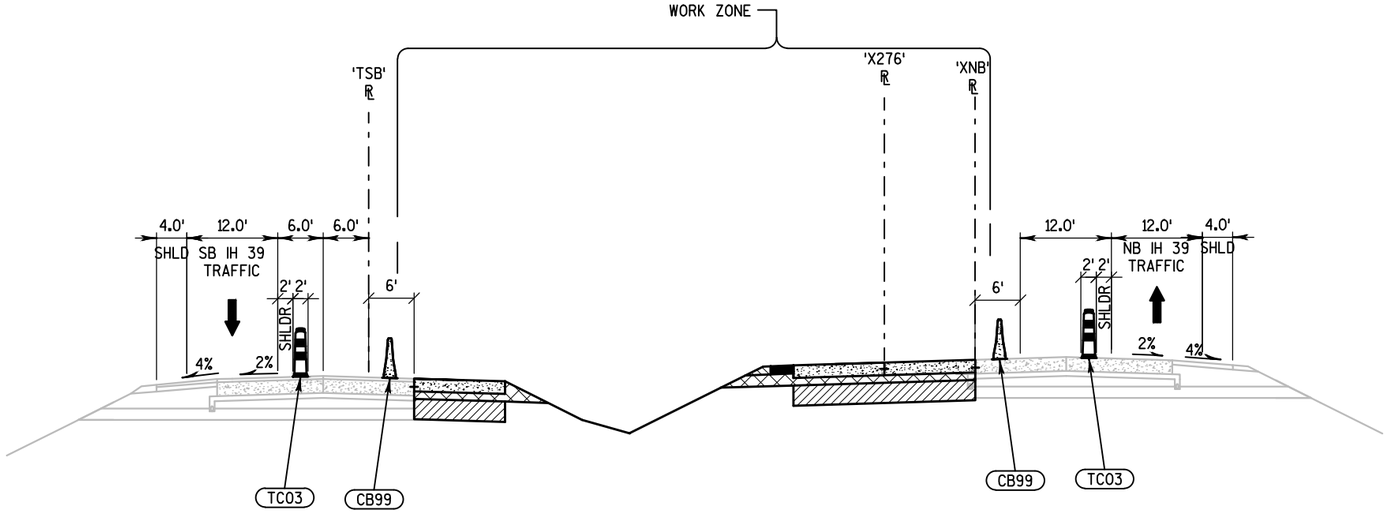
SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TYPICAL SECTION (TRAFFIC CONTROL - STAGE 2	SHEET	E

FILE NAME : 025301_TC_TS (TRAF CNTRL TYP SEC).DWG PLOT DATE : 2/1/2017 9:22 AM PLOT BY : SEH INC LAYOUT NAME : STG 2 (4) PLOT SCALE : 1" = 20'_XREF

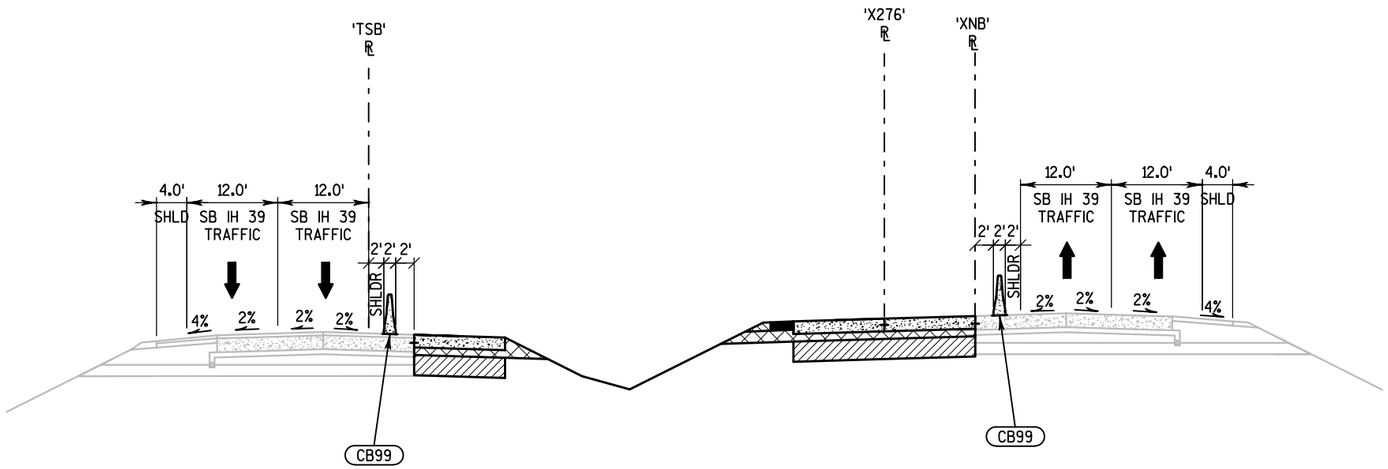
WISDOT/CADDS SHEET 42

2



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 2 - NIGHTTIME HOURS

STA 1467+00'TSB' TO 1481+94'TSB'



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 2 - DAYTIME HOURS

STA 1467+00'TSB' TO 1481+94'TSB'

KEYED NOTE LEGEND

TC03	TRAFFIC CONTROL DRUM (100' SPACING TYPICAL)
CB99	CONCRETE BARRIER TEMPORARY PRECAST

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TYPICAL SECTION (TRAFFIC CONTROL - STAGE 2)	SHEET 106	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

CONSTRUCTION SUMMARY

CONSTRUCTION OPERATIONS CONCURRENT WITH PROJECTS 1007-10-88, 1007-11-81, 1007-10-86, AND 1007-10-81.

CONSTRUCT TEMPORARY HMA AND CONCRETE PAVEMENTS FOR SB IH 39 MEDIAN SIDE SHOULDERS.

CONSTRUCT TEMPORARY BRIDGE WIDENING B-13-140.

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, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

MAINTENANCE OF TRAFFIC

ALL MAINLINE NB/SB IH 39 TRAFFIC SHALL REMAIN ON EXISTING/SHIFTED LANES DURING DAYTIME HOURS.

ALL MAINLINE NB/SB IH 39 TRAFFIC SHALL BE ON MERGED/SHIFTED OUTSIDE LANES DURING NIGHTTIME HOURS.

CTH MN TO BE CLOSED WITH A DETOUR.

N

SB WIDENING WORK UNDER PROJECT ID 1007-10-88

1242'TSB'
1244'TSB'
1246'TSB'
1248'TSB'
1250'TSB'
1252'TSB'
1254'TSB'
1256'TSB'
100' TYP.
IH 39 SB
IH 39 NB
MATCH LINE 1256+50'TSB'

PROJECT NO:1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 01 OF 14	SHEET 107	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 2).DWG | PLOT DATE : 1/31/2017 10:21 PM | PLOT BY : SEH | LAYOUT NAME : 025001_TC_STG_2 | 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\1007108A\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

2

N

MATCH LINE 1256+50'TSB'

MATCH LINE 1271+39'TSB'

100' TYP.

1258'TSB'

1260'TSB'

1262'TSB'

1264'TSB'

1266'TSB'

1268'TSB'

1270'TSB'

IH 39 SB

IH 39 NB

SIGN

TRAFFIC CONTROL LEGEND

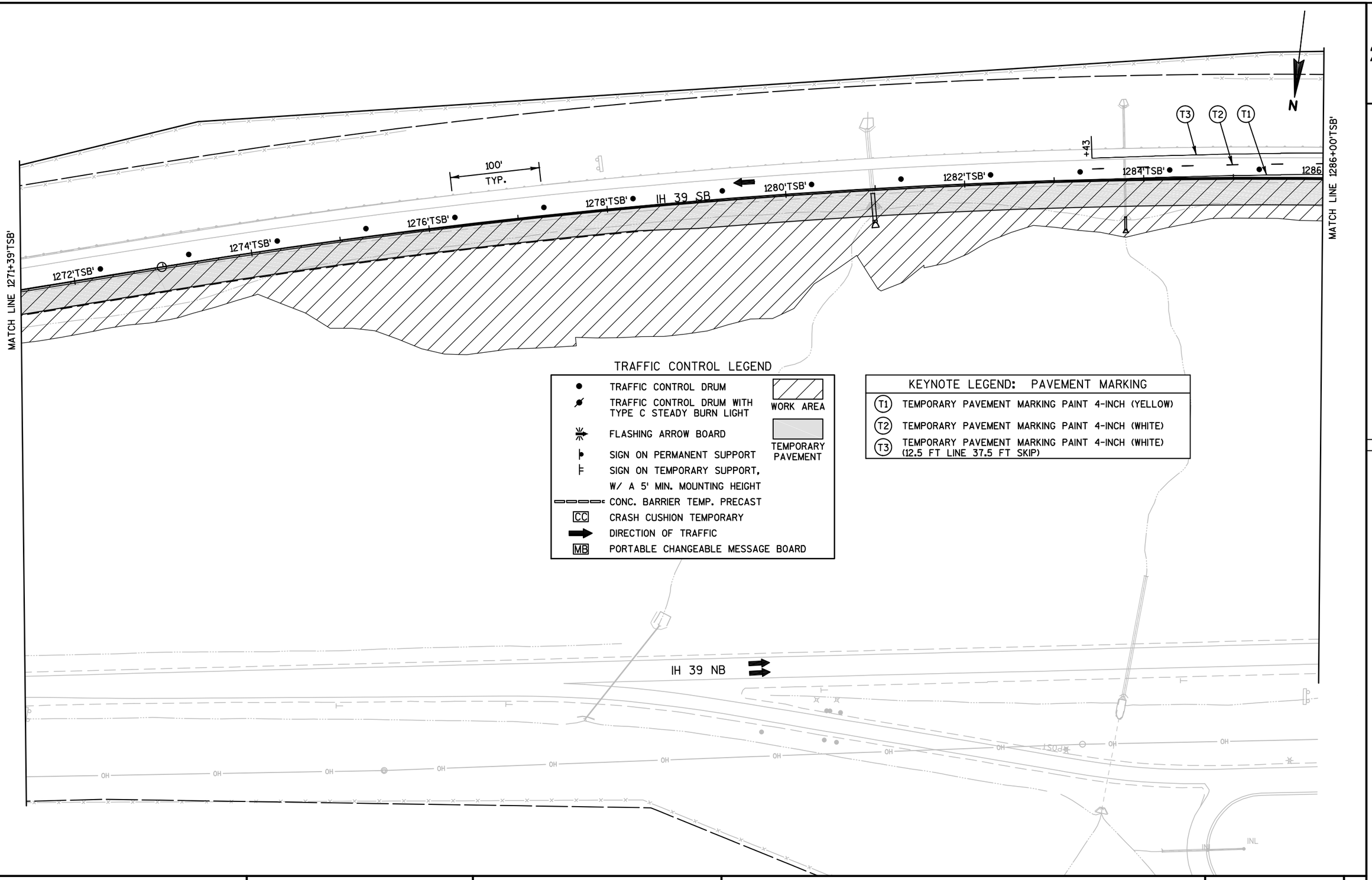
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 02 OF 14	SHEET	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 2).DWG PLOT DATE : 1/31/2017 10:21 PM PLOT BY : SEH LAYOUT NAME : 025002_TC_STG_2 PLOT SCALE : 1.0 IN = 100.0 FT WISDOT/CADDS SHEET 42

2

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I08M\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, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

WORK AREA

TEMPORARY PAVEMENT

KEYNOTE LEGEND: PAVEMENT MARKING

(T1)	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
(T2)	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
(T3)	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 03 OF 14	SHEET	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 2).DWG | PLOT DATE : 1/31/2017 10:21 PM | PLOT BY : SEH | LAYOUT NAME : 025003_TC_STG_2 | PLOT SCALE : 1.0 IN = 100.0 FT

2

MATCH LINE 1286+00'TSB'

T3 T2 T1

+63

89'

+57

TSB' 1288'TSB' 1290'TSB' 1292'TSB' 1294'TSB' 1296'TSB' 1298'TSB' 1300'TSB'

IH 39 SB

100' TYP.

N

MATCH LINE 1301+00'TSB'

IH 39 NB

SCALE

MH

INL

OH

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, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

WORK AREA

TEMPORARY PAVEMENT

KEYNOTE LEGEND: PAVEMENT MARKING

T1	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 04 OF 14	SHEET	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 2).DWG PLOT DATE : 1/31/2017 10:21 PM PLOT BY : SEH LAYOUT NAME : 025004_TC_STG_2 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I108M\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

N

SB WIDENING WORK ZONE BY
OTHERS CONSTRUCTED UNDER
PROJECT ID 1007-10-86

MATCH LINE 1301+00'TSB'

T3 T2 T1

100'
TYP.

1302'TSB' 1304'TSB' 1306'TSB' 1308'TSB'

IH 39 SB

1310'TSB' 1312'TSB' 1314'TSB' 1316'TSB'

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, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

IH 39 NB

OH

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 05 OF 14	SHEET	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 2).DWG
PLOT DATE : 1/31/2017 10:21 PM
PLOT BY : SEH
LAYOUT NAME : 025005_TC_STG_2
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007T001\SHEETSPLAN\1007T108\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

2

SB WIDENING WORK ZONE BY
OTHERS CONSTRUCTED UNDER
PROJECT ID 1007-10-86

WILLIAMS DR

SEPTIC

SEPTIC

1362'TSB'

1364'TSB'

1366'TSB'

1368'TSB'

1370'TSB'

1372'TSB'

1374'TSB'

1376

T3 T2 T1

100'
TYP.

IH 39 SB

IH 39 NB

MATCH LINE 1376+00'TSB'

NB SHOULDER WIDENING WORK
ZONE BY OTHERS CONSTRUCTED
UNDER PROJECT ID 1007-10-86

NB SHOULDER WIDENING WORK
ZONE BY OTHERS CONSTRUCTED
UNDER PROJECT ID 1007-10-86

WILLIAMS DR

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
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T3	TEMPORARY PAVEMENT MARKING PAINT 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, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

WORK AREA

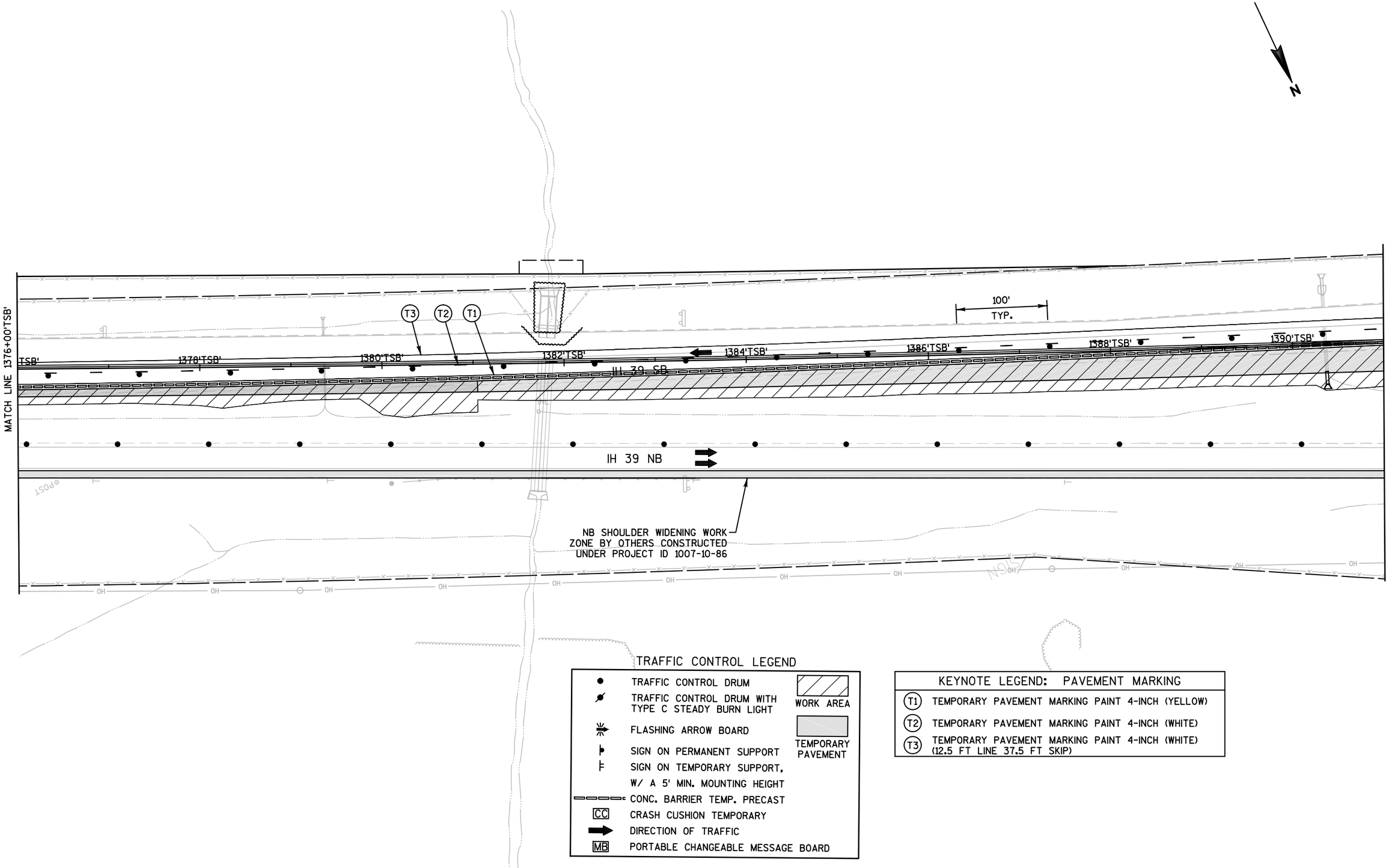
TEMPORARY PAVEMENT

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 06 OF 14	SHEET	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 2).DWG | PLOT DATE : 1/31/2017 10:21 PM | PLOT BY : SEH | LAYOUT NAME : 025006_TC_STG_2 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

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, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
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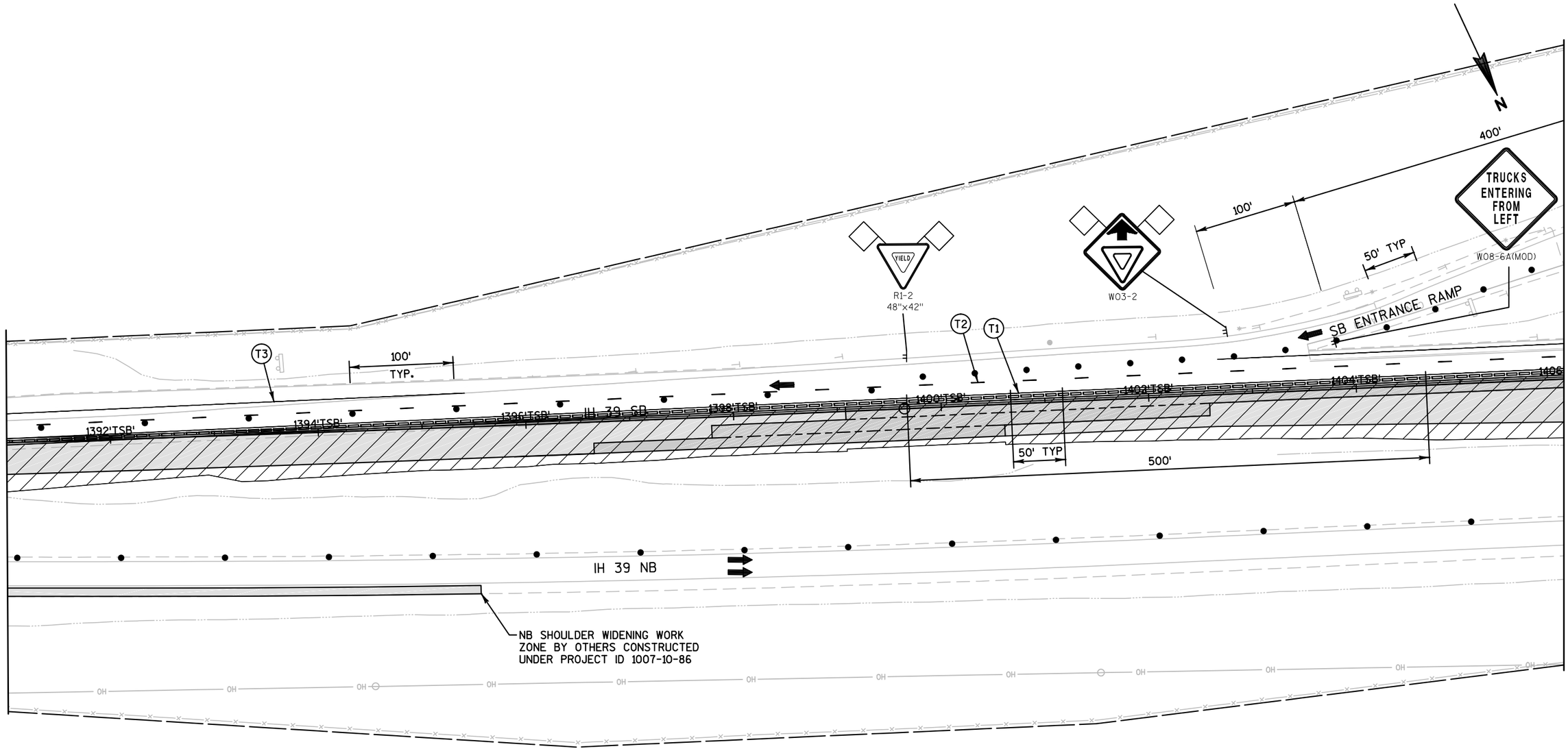

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT, W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
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- DIRECTION OF TRAFFIC
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- WORK AREA
- TEMPORARY PAVEMENT

KEYNOTE LEGEND: PAVEMENT MARKING	
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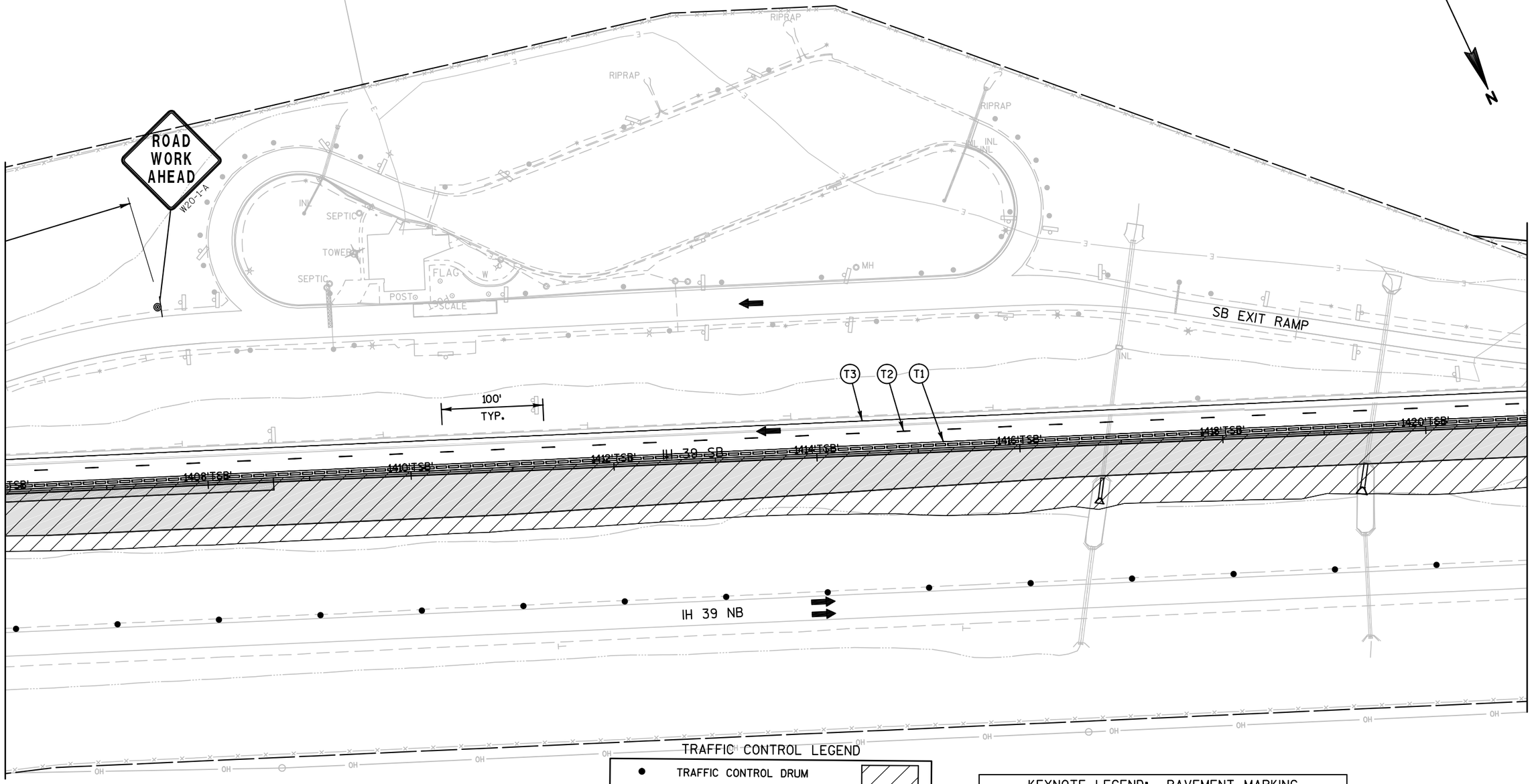
2



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, W/ A 5' MIN. MOUNTING HEIGHT
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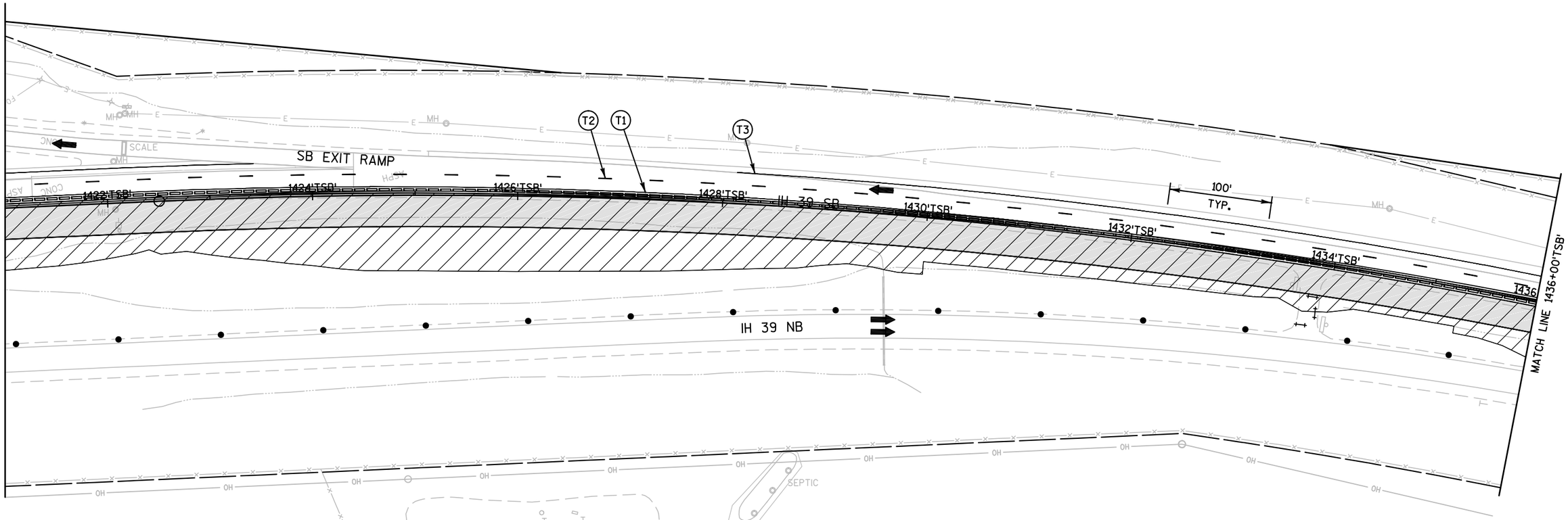
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

FILE NAME : 025000_TC (TRAF CNTRL STAGE 2).DWG | PLOT DATE : 1/31/2017 10:22 PM | PLOT BY : SEH | LAYOUT NAME : 025009_TC_STG_2 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

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, W/ A 5' MIN. MOUNTING HEIGHT
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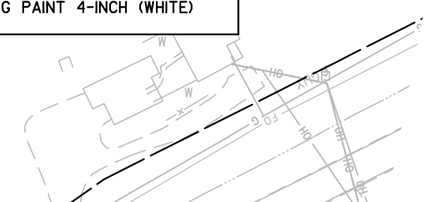

2

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

TRAFFIC CONTROL GAWK SCREEN REQ'D
STA 1438+65'TSB' TO STA 1443+15'TSB'

MATCH LINE 1436+00'TSB'

MATCH LINE 1451+00'TSB'

1438'TSB' 1440'TSB' 1442'TSB' 1444'TSB' 1446'TSB' 1448'TSB' 1450'TSB'

IH 39 SB

IH 39 NB

T3 T2 T1

100' TYP.

WIDEN CTH MN BRIDGE

CTH MN

DOOR CREEK

N

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
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- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

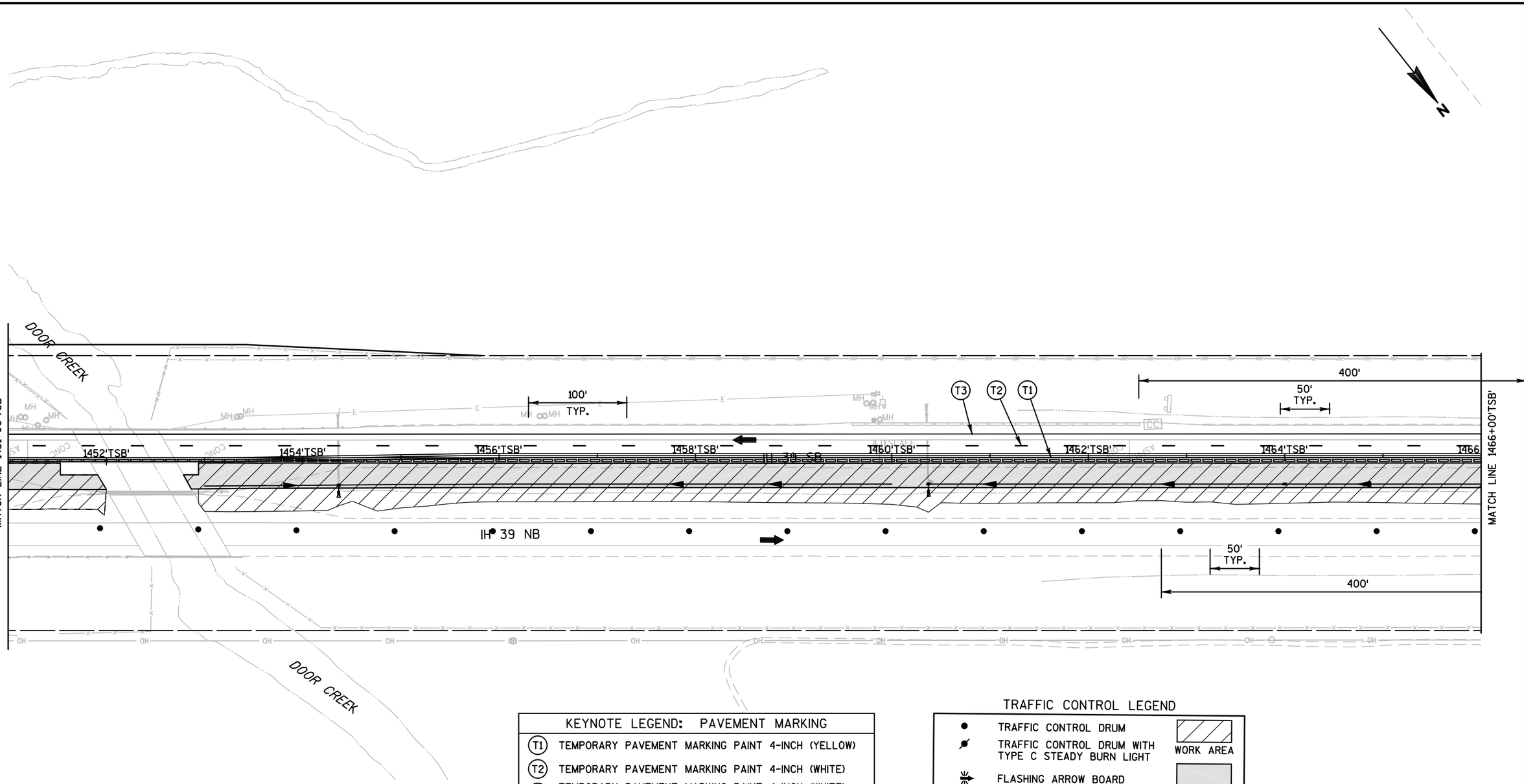
WORK AREA

TEMPORARY PAVEMENT

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 11 OF 14	SHEET	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 2).DWG PLOT DATE : 1/31/2017 10:22 PM PLOT BY : SEH LAYOUT NAME : 025011_TC_STG_2 PLOT SCALE : 1.0 IN = 100.0 FT WISDOT/CADDS SHEET 42

2



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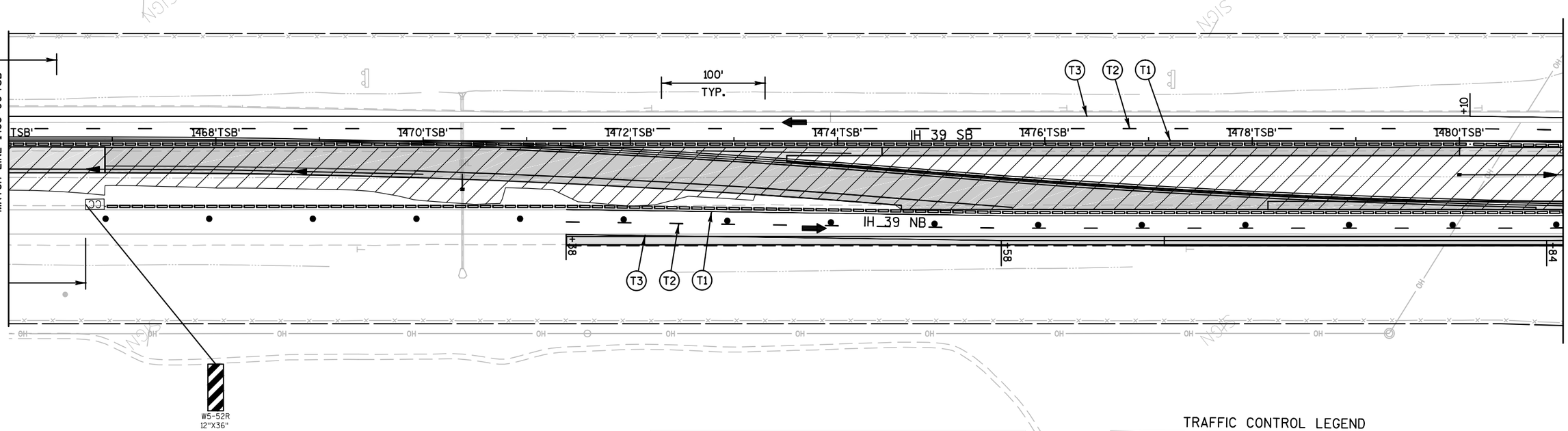
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101001\SHEETSPLAN\1007101001\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL
FILE NAME : 025000_TC (TRAF CNTRL STAGE 2).DWG
PLOT DATE : 1/31/2017 10:22 PM
PLOT BY : SEH
LAYOUT NAME : 025012_TC_STG_2
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

2



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SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

N

CTH AB

CTH AB RECONSTRUCTION WORK ZONE
BY OTHERS CONSTRUCTED UNDER
PROJECT ID 1007-10-81

TOWER

W5-52R
12"X36"

T3 T2 T1

100'
TYP.

1482'TSB'

1484'TSB'

IH 39 SB

50'
TYP.

400'

IH 39 NB

MATCH LINE 1481+00'TSB'

CTH AB

KEYNOTE LEGEND: PAVEMENT MARKING	
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- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
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PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 14 OF 14	SHEET	E

FILE NAME : 025000_TC (TRAF CNTRL STAGE 2).DWG
PLOT DATE : 1/31/2017 10:22 PM
PLOT BY : SEH
LAYOUT NAME : 025014_TC_STG_2
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\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

GENERAL NOTES: (CONTINUED)

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

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.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

N

TRAFFIC CONTROL LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- WORK AREA
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

CTH AB
HOPE RD
FEMRITE DR
USH 12/18 WB
USH 12/18 EB
VILAS RD
NORA RD
NATWIG RD
CTH N
NORTH STAR RD
USH 12/18
SIGGELKOW RD
SCHADEL RD
MARSH RD
CTH MN
I-39/90 NB
I-39/90 SB
CTH AB/MN
PCMS
WEST STAR RD
WILLIAMS DR
PARK ST
RINDEN RD
DOOR CREEK RD

DETOUR M4-8 24"x12"
COUNTY MN M1-5A 24"X24"
M6-1 21"X21"
M5-1L 21"X21"
M5-1R 21"X21"
M5-2R 21"X21"
M6-2 21"X21"
END M4-6 24"X12"
DETOUR AHEAD W20-2-A

COVER EXISTING ARROW SIGN

GENERAL NOTES: TRAFFIC CONTROL AND 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.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHALL BE ADJUSTED TO NOT CONFLICT WITH EXISTING SIGNS AND SHOULD PROVIDE A MINIMUM OF 200' (500' DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN: DETOUR PLAN - CTH MN	SHEET E

FILE NAME : 027001_DT (CTH MN DETOUR PLAN).DWG
PLOT DATE : 1/31/2017 10:22 PM
PLOT BY : SEH INC
LAYOUT NAME : 0270001_DT
PLOT SCALE : 1" = 2000'_XREF
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 02 TYPICAL SECTIONS & DETAILS\TRAFFIC CONTROL

2

STA 1240+00.00'TSB' POT:
Y=455,230.7588
X=880,274.9638

BEGIN PROJECT 1007-10-84
END PROJECT 1007-10-88
STA 1246+00.00'TSB'
STA 796+36.47'XNB', 99.92'LT
Y=455,388.2937
X=879,696.2981

STA 791+00.00'XNB' POT:
Y=455,329.3734
X=880,238.7718

C8

PI STA = 1255+12.26'TSB'
Y = 455,666.5731
X = 878,826.8641
Δ = 32°45'00"
D = 1°18'35"
T = 1285.56'
L = 2,500.73'
R = 4,375.00'
PC STA = 1242+26.70'TSB'
PT STA = 1267+27.43'TSB'

C15

PI STA = 808+42.46'XNB'
Y = 455,831.5267
X = 878,570.2401
Δ = 24°56'06"
D = 1°15'00"
T = 1013.44'
L = 1,994.79'
R = 4,583.66'
PC STA = 798+29.02'XNB'
PT STA = 818+23.81'XNB'

N

MATCH LINE 1270+00'TSB'

C9

PI STA = 1296+41.06'TSB'
Y = 454,509.0799
X = 874,790.3533
Δ = 34°05'40"
D = 0°45'00"
T = 2342.66'
L = 4,546.25'
R = 7,640.00'
PC STA = 1272+98.40'TSB'
PT STA = 1318+44.65'TSB'

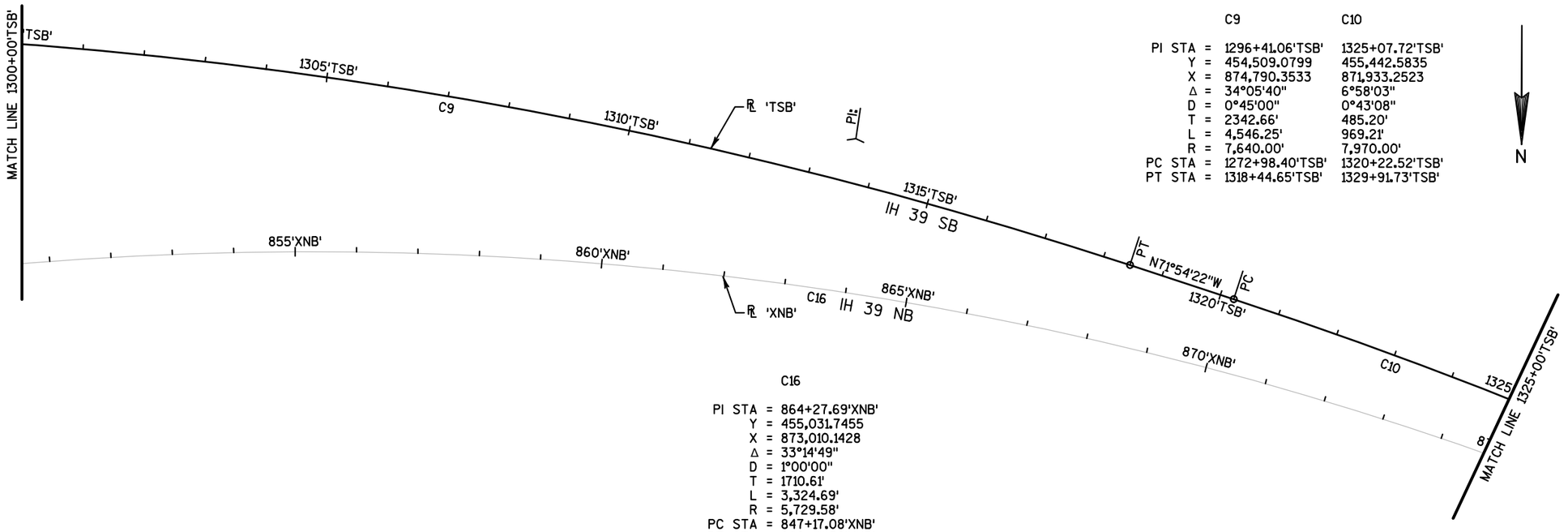
MATCH LINE 1300+00'TSB'

C16

PI STA = 864+27.69'XNB'
Y = 455,031.7455
X = 873,010.1428
Δ = 33°14'49"
D = 1°00'00"
T = 1710.61'
L = 3,324.69'
R = 5,729.58'
PC STA = 847+17.08'XNB'
PT STA = 880+41.76'XNB'

N

2



	C9	C10
PI STA =	1296+41.06'TSB'	1325+07.72'TSB'
Y =	454,509.0799	455,442.5835
X =	874,790.3533	871,933.2523
Δ =	34°05'40"	6°58'03"
D =	0°45'00"	0°43'08"
T =	2342.66'	485.20'
L =	4,546.25'	969.21'
R =	7,640.00'	7,970.00'
PC STA =	1272+98.40'TSB'	1320+22.52'TSB'
PT STA =	1318+44.65'TSB'	1329+91.73'TSB'

C16

PI STA = 864+27.69'XNB'
Y = 455,031.7455
X = 873,010.1428
Δ = 33°14'49"
D = 1°00'00"
T = 1710.61'
L = 3,324.69'
R = 5,729.58'
PC STA = 847+17.08'XNB'
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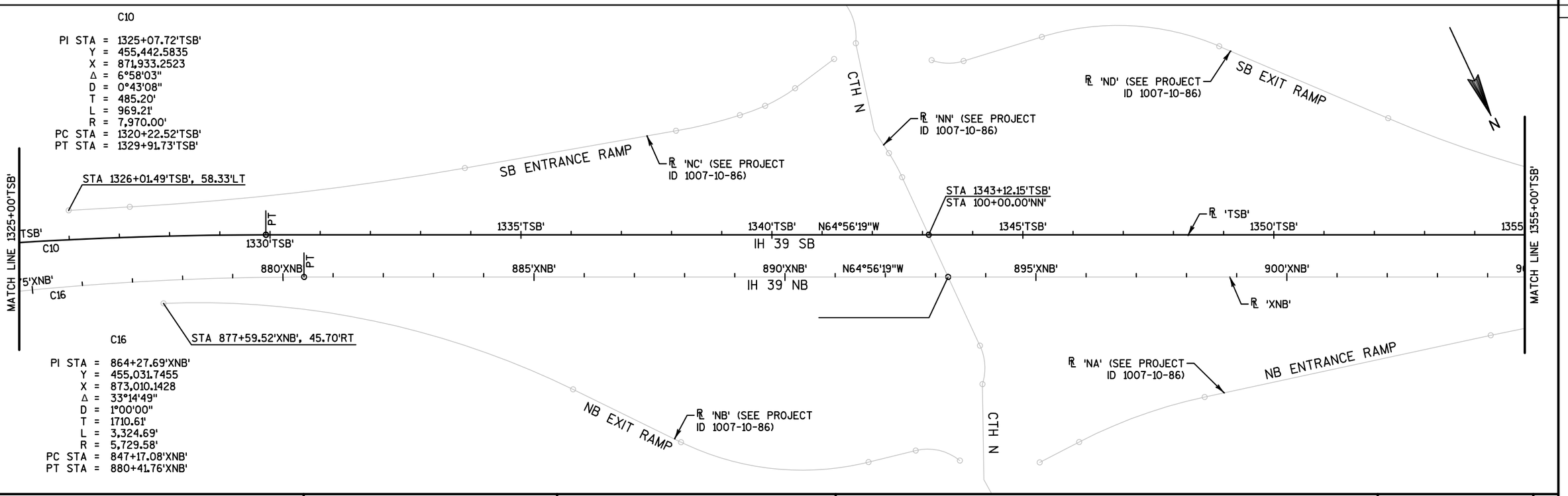


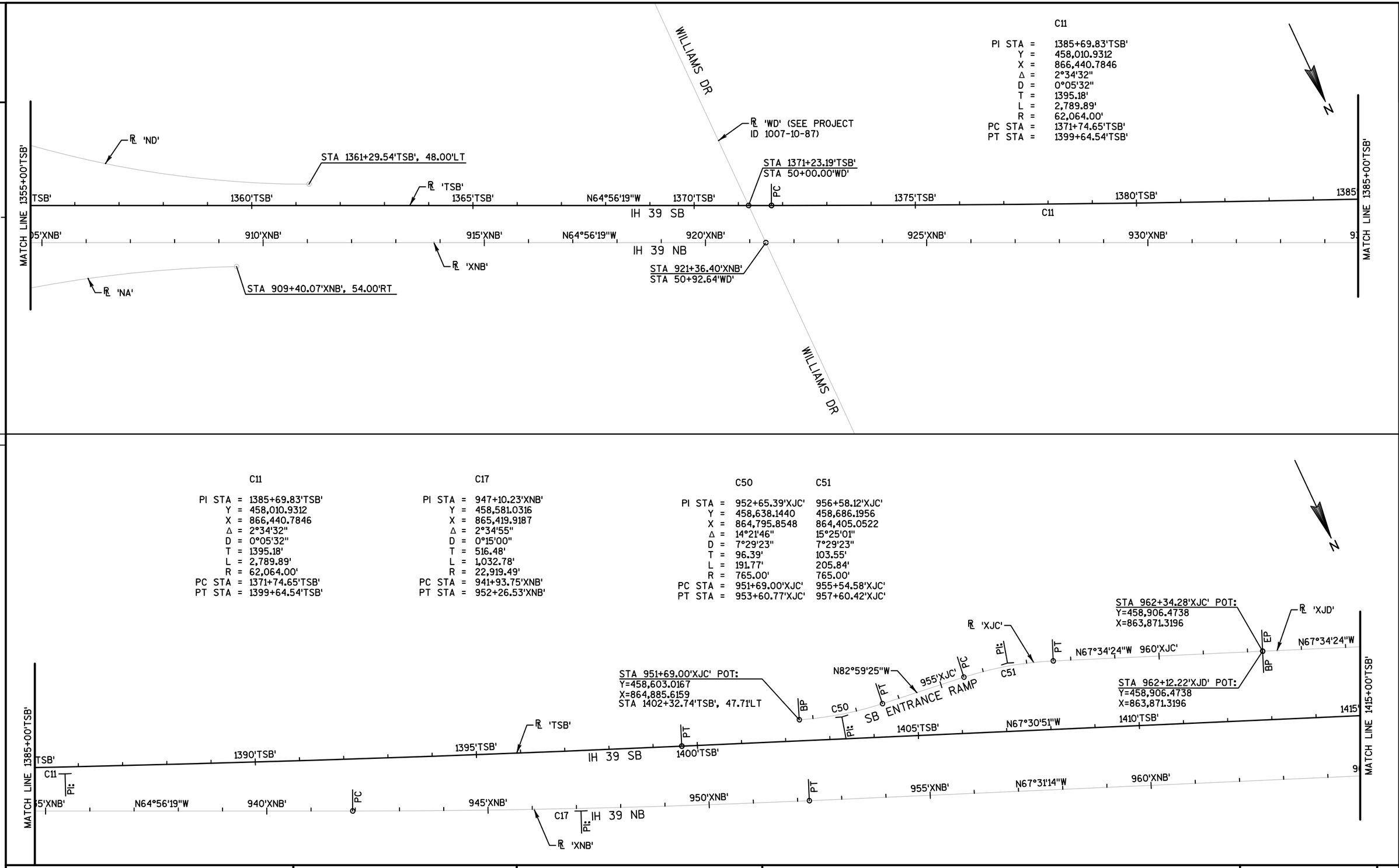
C16

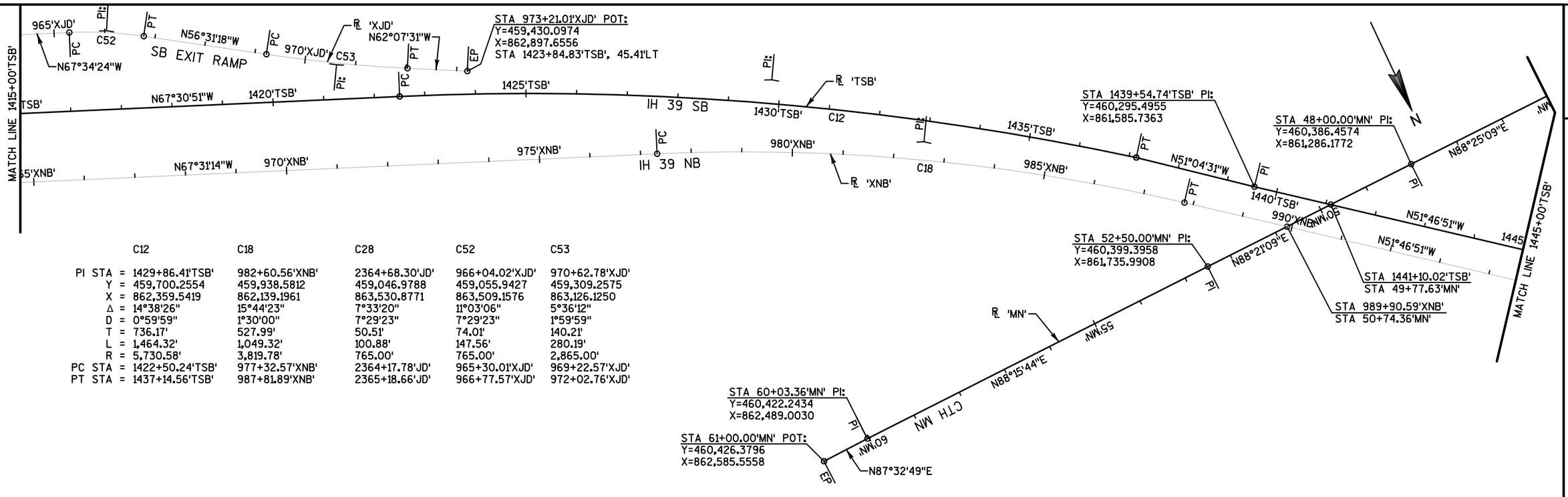
PI STA = 864+27.69'XNB'
Y = 455,031.7455
X = 873,010.1428
Δ = 33°14'49"
D = 1°00'00"
T = 1710.61'
L = 3,324.69'
R = 5,729.58'
PC STA = 847+17.08'XNB'
PT STA = 880+41.76'XNB'

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 02 OF 05	SHEET	E

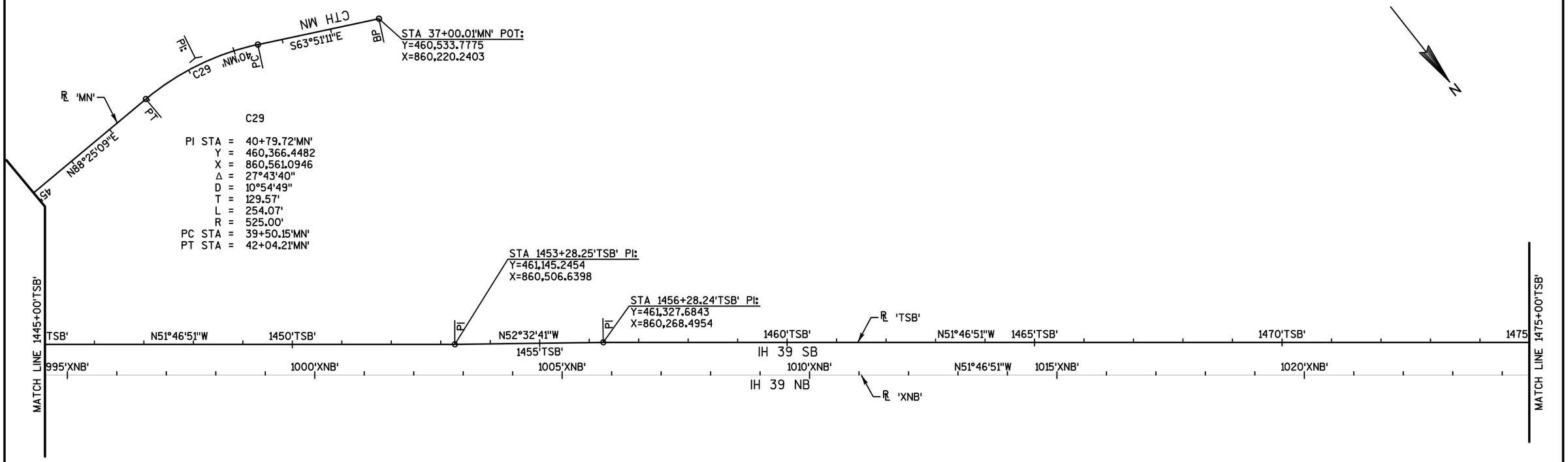
FILE NAME : 027200_AD (ALIGNMENT DETAILS).DWG
PLOT DATE : 1/31/2017 10:23 PM
PLOT BY : SEH
LAYOUT NAME : 027202_AD
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108M\SEC 02


C11
PI STA = 1385+69.83'TSB'
Y = 458,010.9312
X = 866,440.7846
Δ = 2°34'32"
D = 0°05'32"
T = 1395.18'
L = 2,789.89'
R = 62,064.00'
PC STA = 1371+74.65'TSB'
PT STA = 1399+64.54'TSB'
WILLIAMS DR
℄ 'ND'
STA 1361+29.54'TSB', 48.00'LT
℄ 'TSB'
℄ 'WD' (SEE PROJECT ID 1007-10-87)
STA 1371+23.19'TSB'
STA 50+00.00'WD'
PC
MATCH LINE 1355+00'TSB'
1360'TSB'
1365'TSB'
N64°56'19"W
1370'TSB'
1375'TSB'
1380'TSB'
1385
IH 39 SB
C11
MATCH LINE 1385+00'TSB'
910'XNB'
915'XNB'
N64°56'19"W
920'XNB'
925'XNB'
930'XNB'
IH 39 NB
℄ 'XNB'
STA 921+36.40'XNB'
STA 50+92.64'WD'
℄ 'NA'
STA 909+40.07'XNB', 54.00'RT
N
C11
PI STA = 1385+69.83'TSB'
Y = 458,010.9312
X = 866,440.7846
Δ = 2°34'32"
D = 0°05'32"
T = 1395.18'
L = 2,789.89'
R = 62,064.00'
PC STA = 1371+74.65'TSB'
PT STA = 1399+64.54'TSB'
C17
PI STA = 947+10.23'XNB'
Y = 458,581.0316
X = 865,419.9187
Δ = 2°34'55"
D = 0°15'00"
T = 516.48'
L = 1,032.78'
R = 22,919.49'
PC STA = 941+93.75'XNB'
PT STA = 952+26.53'XNB'
C50
PI STA = 952+65.39'XJC'
Y = 458,638.1440
X = 864,795.8548
Δ = 14°21'46"
D = 7°29'23"
T = 96.39'
L = 191.77'
R = 765.00'
PC STA = 951+69.00'XJC'
PT STA = 953+60.77'XJC'
C51
PI STA = 956+58.12'XJC'
Y = 458,686.1956
X = 864,405.0522
Δ = 15°25'01"
D = 7°29'23"
T = 103.55'
L = 205.84'
R = 765.00'
PC STA = 955+54.58'XJC'
PT STA = 957+60.42'XJC'
STA 951+69.00'XJC' POT:
Y=458,603.0167
X=864,885.6159
STA 1402+32.74'TSB', 47.71'LT
BP
C50
PI
PT
N82°59'25"W
955'XJC'
PC
C51
PI
PT
N67°34'24"W 960'XJC'
STA 962+34.28'XJC' POT:
Y=458,906.4738
X=863,871.3196
EP
BP
℄ 'XJD'
N67°34'24"W
STA 962+12.22'XJD' POT:
Y=458,906.4738
X=863,871.3196
SB ENTRANCE RAMP
℄ 'XJC'
MATCH LINE 1385+00'TSB'
MATCH LINE 1415+00'TSB'
1390'TSB'
1395'TSB'
℄ 'TSB'
PT
1400'TSB'
1405'TSB'
N67°30'51"W
1410'TSB'
1415'
IH 39 SB
C11
PI
955'XNB'
N64°56'19"W
940'XNB'
PC
945'XNB'
950'XNB'
PT
955'XNB'
N67°31'14"W
960'XNB'
C17
PI
IH 39 NB
℄ 'XNB'

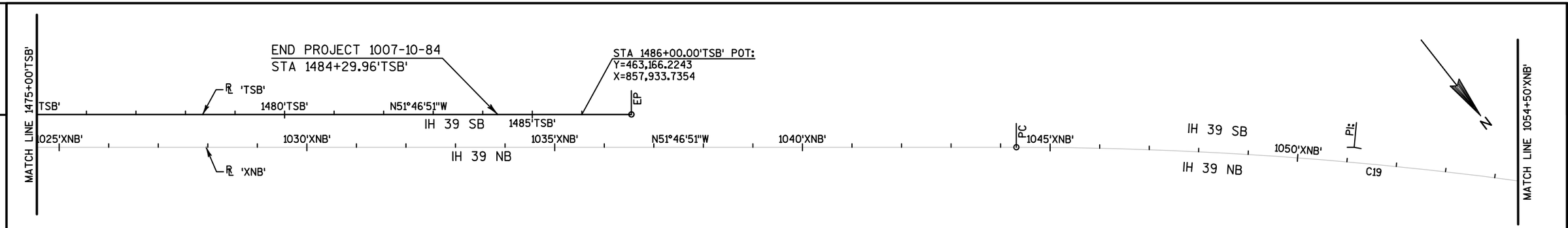


	C12	C18	C28	C52	C53
PI STA =	1429+86.41'TSB'	982+60.56'XNB'	2364+68.30'JD'	966+04.02'XJD'	970+62.78'XJD'
Y =	459,700.2554	459,938.5812	459,046.9788	459,055.9427	459,309.2575
X =	862,359.5419	862,139.1961	863,530.8771	863,509.1576	863,126.1250
Δ =	14°38'26"	15°44'23"	7°33'20"	11°03'06"	5°36'12"
D =	0°59'59"	1°30'00"	7°29'23"	7°29'23"	1°59'59"
T =	736.17'	527.99'	50.51'	74.01'	140.21'
L =	1,464.32'	1,049.32'	100.88'	147.56'	280.19'
R =	5,730.58'	3,819.78'	765.00'	765.00'	2,865.00'
PC STA =	1422+50.24'TSB'	977+32.57'XNB'	2364+17.78'JD'	965+30.01'XJD'	969+22.57'XJD'
PT STA =	1437+14.56'TSB'	987+81.89'XNB'	2365+18.66'JD'	966+77.57'XJD'	972+02.76'XJD'



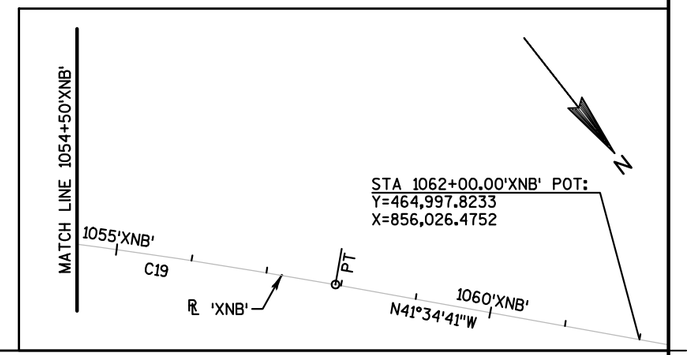
C29

PI STA =	40+79.72'MN'
Y =	460,366.4482
X =	860,561.0946
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'

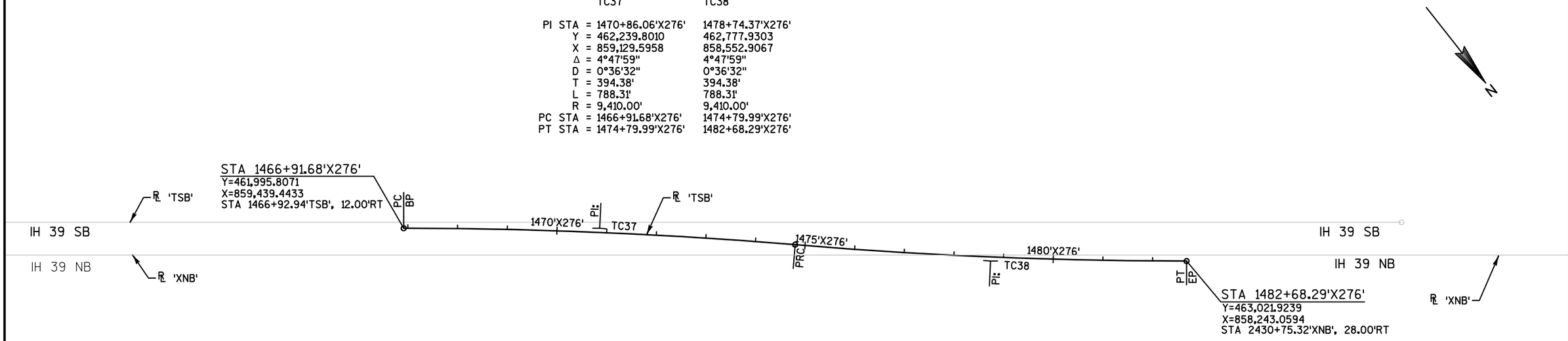


C19

PI STA	= 1051+13.87'XNB'
Y	= 464,182.6410
X	= 856,749.6699
Δ	= 10°12'10"
D	= 0°45'00"
T	= 681.99'
L	= 1,360.37'
R	= 7,639.46'
PC STA	= 1044+31.88'XNB'
PT STA	= 1057+92.25'XNB'



	TC37	TC38
PI STA	= 1470+86.06'X276'	1478+74.37'X276'
Y	= 462,239.8010	462,777.9303
X	= 859,129.5958	858,552.9067
Δ	= 4°47'59"	4°47'59"
D	= 0°36'32"	0°36'32"
T	= 394.38'	394.38'
L	= 788.31'	788.31'
R	= 9,410.00'	9,410.00'
PC STA	= 1466+91.68'X276'	1474+79.99'X276'
PT STA	= 1474+79.99'X276'	1482+68.29'X276'



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 05 OF 05	SHEET	E

FILE NAME : 027200_AD (ALIGNMENT DETAILS).DWG | PLOT DATE : 1/31/2017 10:23 PM | PLOT BY : SEH | LAYOUT NAME : 027205_AD | 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\10071084\SEC 02 TYPICAL SECTIONS & DETAILS

1007-10-84

Line	Item	Item Description	Unit	Total	Qty
0010	201.0105	Clearing	STA	42.000	42.000
0020	201.0205	Grubbing	STA	42.000	42.000
0030	203.0100	Removing Small Pipe Culverts	EACH	1.000	1.000
0040	203.0200	Removing Old Structure (station) 001. STA. 1441'TSB'+09.42	LS	1.000	1.000
0080	203.0200	Removing Old Structure (station) 800. STA. 2330+00	LS	1.000	1.000
0100	204.0100	Removing Pavement	SY	1,100.000	1,100.000
0110	204.0120	Removing Asphaltic Surface Milling	SY	3,300.000	3,300.000
0120	204.0165	Removing Guardrail	LF	1,277.000	1,277.000
0130	204.0170	Removing Fence	LF	15,849.000	15,849.000
0140	204.0180	Removing Delineators and Markers	EACH	21.000	21.000
0150	204.0220	Removing Inlets	EACH	1.000	1.000
0180	204.0245	Removing Storm Sewer (size) 002. 24-Inch	LF	12.000	12.000
0190	205.0100	Excavation Common	CY	57,665.000	57,665.000
0200	205.0200	Excavation Rock	CY	15,462.000	15,462.000
0210	205.0400	Excavation Marsh	CY	680.000	680.000
0220	206.1000	Excavation for Structures Bridges (structure) 700. B-13-140	LS	1.000	1.000
0260	206.2000	Excavation for Structures Culverts (structure) 800. C-13-3089	LS	1.000	1.000
0290	206.5000	Cofferdams (structure) 801. C-13-3089	LS	1.000	1.000
0300	208.1100	Select Borrow	CY	12,684.000	12,684.000
0310	210.1500	Backfill Structure Type A	TON	320.000	320.000
0320	210.2500	Backfill Structure Type B	TON	997.000	997.000
0330	213.0100	Finishing Roadway (project) 001. 1007-10-84	EACH	1.000	1.000
0350	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,123.000	1,123.000
0360	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	83,735.000	83,735.000
0370	311.0115	Breaker Run	CY	51.000	51.000
0380	312.0110	Select Crushed Material	TON	9,932.000	9,932.000
0390	415.0100	Concrete Pavement 10-Inch **P**	SY	12,271.000	12,271.000
0400	415.0410	Concrete Pavement Approach Slab **P**	SY	140.000	140.000
0410	416.0610	Drilled Tie Bars	EACH	1,678.000	1,678.000
0420	440.4410	Incentive IRI Ride	DOL	10,300.000	10,300.000
0430	450.4000	HMA Cold Weather Paving	TON	3,632.000	3,632.000
0440	455.0605	Tack Coat	GAL	3,473.000	3,473.000
0450	460.2000	Incentive Density HMA Pavement	DOL	14,340.000	14,340.000
0460	460.5223	HMA Pavement 3 LT 58-28 S	TON	94.000	94.000
0470	460.5224	HMA Pavement 4 LT 58-28 S	TON	75.000	75.000
0480	460.6223	HMA Pavement 3 MT 58-28 S	TON	222.000	222.000
0490	460.6224	HMA Pavement 4 MT 58-28 S	TON	177.000	177.000

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Line	Item	Item Description	Unit	Total	Qty
0500	460.7222	HMA Pavement 2 HT 58-28 S	TON	13,418.000	13,418.000
0510	460.7424	HMA Pavement 4 HT 58-28 H	TON	8,469.000	8,469.000
0520	502.0100	Concrete Masonry Bridges **P**	CY	336.400	336.400
0530	502.2000	Compression Joint Sealer Preformed Elastomeric (width) 700. 2 1/2-Inch	LF	33.000	33.000
0550	502.3100	Expansion Device (structure) 700. B-13-140	LS	1.000	1.000
0590	502.3200	Protective Surface Treatment **P**	SY	380.000	380.000
0600	502.3210	Pigmented Surface Sealer	SY	110.000	110.000
0610	502.4204	Adhesive Anchors No. 4 Bar	EACH	46.000	46.000
0620	502.4205	Adhesive Anchors No. 5 Bar	EACH	6.000	6.000
0630	502.4206	Adhesive Anchors No. 6 Bar	EACH	22.000	22.000
0640	502.4207	Adhesive Anchors No. 7 Bar	EACH	30.000	30.000
0670	502.4210	Adhesive Anchors No. 10 Bar	EACH	8.000	8.000
0680	503.0128	Prestressed Girder Type I 28-Inch **P**	LF	416.000	416.000
0690	504.0100	Concrete Masonry Culverts **P**	CY	88.000	88.000
0700	505.0400	Bar Steel Reinforcement HS Structures **P**	LB	21,220.000	21,220.000
0710	505.0600	Bar Steel Reinforcement HS Coated Structures **P**	LB	43,210.000	43,210.000
0730	506.2610	Bearing Pads Elastomeric Laminated	EACH	20.000	20.000
0740	506.4000	Steel Diaphragms (structure) 700. B-13-140 **P**	EACH	9.000	9.000
0780	506.5000	Bearing Assemblies Fixed (structure) 700. B-13-140	EACH	4.000	4.000
0820	509.1500	Concrete Surface Repair	SF	100.000	100.000
0830	509.2000	Full-Depth Deck Repair	SY	15.000	15.000
0840	511.1200	Temporary Shoring (structure) 700. B-13-140	SF	1,500.000	1,500.000
0880	511.1200	Temporary Shoring (structure) 800. C-13-3089	SF	525.000	525.000
0910	516.0500	Rubberized Membrane Waterproofing	SY	27.000	27.000
0920	520.8000	Concrete Collars for Pipe	EACH	20.000	20.000
0930	521.0118	Culvert Pipe Corrugated Steel 18-Inch	LF	18.000	18.000
0940	521.0124	Culvert Pipe Corrugated Steel 24-Inch	LF	70.000	70.000
0950	521.0130	Culvert Pipe Corrugated Steel 30-Inch	LF	68.000	68.000
0960	521.0136	Culvert Pipe Corrugated Steel 36-Inch	LF	72.000	72.000
0970	521.0148	Culvert Pipe Corrugated Steel 48-Inch	LF	24.000	24.000
0980	521.0160	Culvert Pipe Corrugated Steel 60-Inch	LF	19.000	19.000
0990	521.0348	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 48-Inch 4 to 1	EACH	1.000	1.000
1000	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	1.000	1.000
1010	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	3.000	3.000
1020	521.1030	Apron Endwalls for Culvert Pipe Steel 30-Inch	EACH	4.000	4.000
1030	521.1036	Apron Endwalls for Culvert Pipe Steel 36-Inch	EACH	4.000	4.000
1040	521.1048	Apron Endwalls for Culvert Pipe Steel 48-Inch	EACH	1.000	1.000
1050	521.1060	Apron Endwalls for Culvert Pipe Steel 60-Inch	EACH	2.000	2.000

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Line	Item	Item Description	Unit	Total	Qty
1060	521.2005.S	Surface Drain Pipe Corrugated Metal Slotted (inch) 001. 18-Inch	LF	2,485.000	2,485.000
1120	522.0318	Culvert Pipe Reinforced Concrete Class IV 18-Inch	LF	10.000	10.000
1140	522.0348	Culvert Pipe Reinforced Concrete Class IV 48-Inch	LF	36.000	36.000
1150	522.0360	Culvert Pipe Reinforced Concrete Class IV 60-Inch	LF	33.000	33.000
1170	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	2.000	2.000
1180	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	2.000	2.000
1220	522.1060	Apron Endwalls for Culvert Pipe Reinforced Concrete 60-Inch	EACH	1.000	1.000
1230	523.0519	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	1.000	1.000
1240	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	510.000	510.000
1250	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D **P**	LF	195.000	195.000
1260	603.8000	Concrete Barrier Temporary Precast Delivered	LF	13,875.000	13,875.000
1270	603.8125	Concrete Barrier Temporary Precast Installed	LF	13,875.000	13,875.000
1280	604.0500	Slope Paving Crushed Aggregate	SY	220.000	220.000
1300	606.0300	Riprap Heavy	CY	16.000	16.000
1310	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	8.000	8.000
1320	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	242.000	242.000
1330	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	15.000	15.000
1340	610.0419	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	32.000	32.000
1360	611.0610	Inlet Covers Type BW	EACH	3.000	3.000
1370	611.0642	Inlet Covers Type MS	EACH	3.000	3.000
1380	611.2005	Manholes 5-FT Diameter	EACH	1.000	1.000
1390	611.3004	Inlets 4-FT Diameter	EACH	2.000	2.000
1400	611.3901	Inlets Median 1 Grate	EACH	1.000	1.000
1410	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000
1420	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	120.000	120.000
1430	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	2.000	2.000
1440	614.0800	Crash Cushions Permanent	EACH	5.000	5.000
1450	614.0905	Crash Cushions Temporary	EACH	2.000	2.000
1490	616.0100	Fence Woven Wire (height) 001. 4-Ft **P**	LF	15,690.000	15,690.000
1500	616.0700.S	Fence Safety	LF	400.000	400.000
1510	618.0100	Maintenance And Repair of Haul Roads (project) 001. 1007-10-84	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
1530	619.1000	Mobilization	EACH	0.380	0.380
1540	624.0100	Water	MGAL	1,040.000	1,040.000
1550	625.0500	Salvaged Topsoil	SY	76,240.000	76,240.000
1560	627.0200	Mulching	SY	67,320.000	67,320.000
1580	628.1504	Silt Fence	LF	11,400.000	11,400.000
1590	628.1520	Silt Fence Maintenance	LF	11,400.000	11,400.000
1600	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000
1610	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
1630	628.2004	Erosion Mat Class I Type B	SY	1,610.000	1,610.000
1640	628.6510	Soil Stabilizer Type B	ACRE	1.500	1.500
1650	628.7005	Inlet Protection Type A	EACH	10.000	10.000
1660	628.7010	Inlet Protection Type B	EACH	5.000	5.000
1670	628.7504	Temporary Ditch Checks	LF	710.000	710.000
1680	628.7555	Culvert Pipe Checks	EACH	65.000	65.000
1690	628.7560	Tracking Pads	EACH	8.000	8.000
1700	628.7570	Rock Bags	EACH	100.000	100.000
1710	629.0205	Fertilizer Type A	CWT	65.000	65.000
1720	630.0130	Seeding Mixture No. 30	LB	1,040.000	1,040.000
1730	630.0200	Seeding Temporary	LB	761.000	761.000
1740	633.1100	Delineators Temporary	EACH	8.000	8.000
1750	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	2.000	2.000
1760	636.0100	Sign Supports Concrete Masonry **P**	CY	3.200	3.200
1770	636.0500	Sign Supports Steel Reinforcement	LB	196.000	196.000
1780	637.2230	Signs Type II Reflective F	SF	55.000	55.000
1790	638.2102	Moving Signs Type II	EACH	26.000	26.000
1800	638.2602	Removing Signs Type II	EACH	4.000	4.000
1810	638.3000	Removing Small Sign Supports	EACH	4.000	4.000
1820	638.4100	Moving Structural Steel Sign Supports	EACH	4.000	4.000
1830	642.5201	Field Office Type C	EACH	0.400	0.400
1840	643.0200.S	Traffic Control Surveillance and Maintenance (project) 001. 1007-10-84	DAY	87.000	87.000
1860	643.0300	Traffic Control Drums	DAY	24,860.000	24,860.000
1870	643.0420	Traffic Control Barricades Type III	DAY	1,000.000	1,000.000
1880	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	110.000	110.000
1890	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	110.000	110.000
1900	643.0705	Traffic Control Warning Lights Type A	DAY	1,300.000	1,300.000
1910	643.0715	Traffic Control Warning Lights Type C	DAY	1,600.000	1,600.000
1920	643.0800	Traffic Control Arrow Boards	DAY	220.000	220.000
1930	643.0900	Traffic Control Signs	DAY	2,600.000	2,600.000
1950	643.1050	Traffic Control Signs PCMS	DAY	280.000	280.000

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Line	Item	Item Description	Unit	Total	Qty
1960	643.2000	Traffic Control Detour (project) 001. 1007-10-84	EACH	1.000	1.000
1980	643.3000	Traffic Control Detour Signs	DAY	3,168.000	3,168.000
1990	645.0105	Geotextile Type C	SY	168.000	168.000
2000	645.0120	Geotextile Type HR	SY	47.000	47.000
2010	645.0220	Geogrid Type SR	SY	18,530.000	18,530.000
2020	646.0600	Removing Pavement Markings	LF	70,225.000	70,225.000
2030	649.0402	Temporary Pavement Marking Paint 4-Inch	LF	35,000.000	35,000.000
2040	649.0403	Temporary Pavement Marking Epoxy 4-Inch	LF	42,400.000	42,400.000
2050	649.0803	Temporary Pavement Marking Epoxy 8-Inch	LF	50.000	50.000
2060	690.0150	Sawing Asphalt	LF	22,451.000	22,451.000
2070	690.0250	Sawing Concrete	LF	168.000	168.000
2080	715.0415	Incentive Strength Concrete Pavement	DOL	3,598.500	3,598.500
2090	715.0502	Incentive Strength Concrete Structures	DOL	2,018.400	2,018.400
2100	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,350.000	1,350.000
2110	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,400.000	2,400.000
2120	SPV.0035	Special 001. Roadway Embankment	CY	42,369.000	42,369.000
2130	SPV.0060	Special 001. Baseline CPM Progress Schedule	EACH	0.400	0.400
2140	SPV.0060	Special 002. CPM Progress Schedule Updates and Accepted Revisions	EACH	5.000	5.000
2150	SPV.0060	Special 003. Test Pits	EACH	14.000	14.000
2160	SPV.0060	Special 700. Cleaning and Painting Bearings	EACH	10.000	10.000
2170	SPV.0090	Special 001. Fill Existing Rumble Strips	LF	1,154.000	1,154.000
2180	SPV.0090	Special 002. Furnishing Temporary Snow Fence	LF	1,430.000	1,430.000
2190	SPV.0090	Special 003. Installing Temporary Snow Fence	LF	1,430.000	1,430.000
2200	SPV.0090	Special 150. Compost Tube	LF	160.000	160.000
2210	SPV.0090	Special 200. Traffic Control Gawk Screen Furnished	LF	450.000	450.000
2220	SPV.0090	Special 201. Traffic Control Gawk Screen Installed	LF	450.000	450.000
2230	SPV.0090	Special 202. Concrete Barrier Temporary Precast Left In Place	LF	1,100.000	1,100.000
2240	SPV.0105	Special 001. Survey Project 1007-10-84	LS	1.000	1.000
2260	SPV.0105	Special 003. Concrete Pavement Joint Layout Project 1007-10-84	LS	1.000	1.000
2280	SPV.0105	Special 401. Remove ITS Equipment	LS	1.000	1.000

3

CLEARING AND GRUBBING

CATEGORY	STAGE	STATION	-	STATION	201.0105 CLEARING (STA)	201.0205 GRUBBING (STA)
1000	-	1253+00 'TSB'	-	1260+00 'TSB'	7	7
		1273+50 'TSB'	-	1304+50 'TSB'	31	31
		1382+00 'TSB'	-	1386+00 'TSB'	4	4
		CATEGORY 1000 SUBTOTALS			42	42
		PROJECT TOTALS			**42**	**42**

REMOVING SMALL PIPE CULVERTS

CATEGORY	STAGE	STATION	OFFSET	DESCRIPTION	203.0100 (EACH)	REMARKS
1000	2	1280+97'TSB'	5.2' RT	48" X 12' CPCS	1	REMOVE LAST 12'
				STAGE SUBTOTAL	1	
				PROJECT TOTAL	**1**	

3

REMOVING PAVEMENT

CATEGORY	STAGE	STATION	LOCATION	204.0100 (SY)	REMARKS
1000	2	1416+80'TSB'	RT	520	CONCRETE FLUME
		1419+40'TSB'	RT	534	CONCRETE FLUME
		CTH MN		46	CONCRETE SHLDRS
		CATEGORY 1000 SUBTOTAL		1,100	
		PROJECT TOTAL		**1,100**	

REMOVING FENCE

CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0170 (LF)
1000	-	1246+00 'TSB'	-	1307+79 'TSB'	LT	6,264
		1372+51 'TSB'	-	1440+73 'TSB'	LT	7,130
		1442+43 'TSB'	-	1451+60 'TSB'	LT	961
		1452+45 'TSB'	-	1466+92 'TSB'	LT	1,494
		CATEGORY 1000 SUBTOTAL				15,849
		PROJECT TOTAL				**15,849**

REMOVING GUARDRAIL

CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0165 (LF)
1000	1	1265+17 'TSB'	-	1267+24 'TSB'	RT	208
		1380+34 'TSB'	-	1383+32 'TSB'	LT	298
		1441+88 'TSB'	-	1445+42 'TSB'	RT	355
		49+11 'MN'	-	51+52 'MN'	RT	208
		49+04 'MN'	-	51+44 'MN'	LT	208
		CATEGORY 1000 SUBTOTAL				1,277
		PROJECT TOTAL				**1,277**

REMOVING DELINEATORS AND MARKERS

CATEGORY	STAGE	LOCATION	204.0180 (EACH)
1000	1	SB	21
		PROJECT TOTAL	**21**

REMOVING INLETS

CATEGORY	STAGE	STATION	OFFSET	DESCRIPTION	204.0220 (EACH)
1000	2	1470+38'TSB'	RT	MEDIAN INLET	1
				STAGE SUBTOTAL	1
				PROJECT TOTAL	**1**

REMOVING STORM SEWER

CATEGORY	STAGE	STATION	OFFSET	204.0245 24-INCH (LF)	REMARKS
1000	2	1470+38'TSB'	RT	12	
				12	
			PROJECT TOTAL	**12**	

3

EARTHWORK SUMMARY

CATEGORY	STAGE	LOCATION	STATION - STATION	205.0100 EXCAVATION COMMON (1) CUT (2) (CY)	205.0100 EXCAVATION COMMON (1) EBS EXCAVATION (3) (CY)	205.0200 ROCK EXCAVATION (CY)	205.0400 MARSH EXCAVATION (4) (CY)	FILL (CY)	208.1100 SELECT BORROW (6) (CY)	645.0220 GEOGRID TYPE SR (SY)	SPV.0035.001 ROADWAY EMBANKMENT(4) (CY)	MASS ORDINATE +/- (5) (CY)	COMMENTS
1000	1	BEGIN STAGE - PROJECT 1007-10-86	1246+00'TSB' - 1308+26'TSB'	4565				329			329	4236	
		PROJECT 1007-10-86 - CTH MN	1369+30'TSB' - 1439+91'TSB'	6096				10143			10143	-4047	
		CTH MN - DOOR CREEK	1442+42'TSB' - 1451+65'TSB'	538				0			0	538	
		DOOR CREEK - END STAGE	1452+86'TSB' - 1484+30'TSB'	3377			680	715	680	930	715	2662	
		IH 39 NB OUTSIDE SHOULDER	1029+93'XNB' - 1034+59'SNB'	1208				79			79	1129	
		STAGE SUBTOTALS		**15784**	**0**	**0**	**680**	**11266**	**680**	**930**	**11266**	**4518**	
	2	BEGIN STAGE - PROJECT 1007-10-86	1246+00'TSB' - 1308+26'TSB'	14814	669	15462		19324	669	3200	19324	-4510	
		PROJECT 1007-10-86 - CTH MN	1369+30'TSB' - 1439+91'TSB'	9284	535			10437	535	3600	10437	-1153	
		CTH MN - DOOR CREEK	1442+42'TSB' - 1451+65'TSB'	1280				55			55	1225	
		DOOR CREEK - END STAGE	1452+86'TSB' - 1466+92'TSB'	1557				747			747	810	
		CROSSOVER 'X276'	1466+92'X276' - 148268'X276'	2649				528			528	2121	
		CTH MN	47+72'MN' - 52+82'MN'	293				12			12	281	
		STAGE SUBTOTALS		**29877**	**1204**	**15462**	**0**	**31103**	**1204**	**6800**	**31103**	**-1226**	
		UNDISTRIBUTED			10800				10800	10800			
				45661	12004	15462	680	42369	12684	18530	42369	6584	
		PROJECT TOTALS		**45661**	**12004**	**15462**	**680**		**12684**	**18530**	**42369**		
					57665								

1) EXCAVATION COMMON = CUT + EBS EXCAVATION. ITEM NUMBER 205.0100.
2) CUT VOLUME INCLUDES CONCRETE AND ASPHALTIC SURFACE MATERIAL.
3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT BORROW UNLESS OTHERWISE NOTED IN THE PLANS.
4) EXCAVATION MARSH TO BE BACKFILLED WITH SELECT BORROW IN AREAS OF WATER AS STATED IN NOTE 6. AREAS OF MARSH EXCAVATION NOT REQUIRED TO BE FILLED WITH SELECT BORROW TO BE BACKFILLED WITH EMBANKMENT.
5) THE MASS ORDINATE IS CALCULATED BY DIVISION. A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION AND A NEGATIVE QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION. STRUCTURE EXCAVATION IS NOT INCLUDED IN THIS CALCULATION. MASS ORDINATE = CUT - FILL. THE MASS ORDINATE IS FOR INFORMATION PURPOSES ONLY AS EXCAVATION COMMON AND ROADWAY EMBANKMENT ARE NOT BALANCED FOR QUANTITY PURPOSES AND DOES NOT GUARANTEE THE QUANTITY OF EXCAVATION COMMON, AND IF IT CAN BE REUSED ON SITE. ALL EBS MATERIAL IS ASSUMED TO BE WASTED OFFSITE.
6) WHERE WATER IS ENCOUNTERED DURING MARSH EXCAVATION, PLACE SELECT BORROW TO AN ELEVATION 2 FEET ABOVE THE WATER LINE.

3

BASE AGGREGATE ITEMS

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)
1000	1	1246+00 'TSB' - 1308+26 'TSB'	LT	187	7754	-	79
		1369+30 'TSB' - 1404+23 'TSB'	LT	222	9113	-	93
		1403+56 'TSB' - 1412+95 'TSB'	LT	72	1376	-	14
		1425+13 'TSB' - 1440+00 'TSB'	LT	-	1428	-	14
		1442+42 'TSB' - 1451+70 'TSB'	LT	-	793	-	8
		1452+53 'TSB' - 1484+30 'TSB'	LT	220	5,499	-	57
			STAGE SUBTOTAL	701	25,963	0	267
1000	2	1246+00 'TSB' - 1250+81 'TSB'	CONC MEDIAN	-	313	767	3
		1248+44 'TSB' - 1295+35 'TSB'		346	15,204	-	155
		1289+57 'TSB' - 1305+04 'TSB'	CONC MEDIAN	-	1,783	4,245	18
		1305+04 'TSB' - 1308+26 'TSB'	MEDIAN	-	4,648		46
		1369+30 'TSB' - 1440+20 'TSB'	MEDIAN	-	21,709		217
		1375+34 'TSB' - 1381+05 'TSB'	CONC MEDIAN	-	222	503	2
		1396+65 'TSB' - 1408+65 'TSB'	CONC MEDIAN	-	807	2,004	8
		1441+65 'TSB' - 1452+00 'TSB'	MEDIAN	-	3,401	-	34
		1452+78 'TSB' - 1475+69 'TSB'	MEDIAN	-	5,425	-	54
		1466+93 'TSB' - 1480+00 'TSB'	CONC CROSSOVER	-	965	2,412	10
		1474+94 'TSB' - 1482+68 'TSB'	MEDIAN CROSSOVER	63	905	-	10
		1020+93 'XNB' - 1034+59 'XNB'	MEDIAN	-	1,899	-	19
		47+62 'MN' - 52+92 'MN'	CTH MN	13	492	-	5
			STAGE SUBTOTAL	422	57,772	9,932	582
			UNDISTRIBUTED				191
			CATEGORY 1000 SUBTOTAL	1,123	83,735	9,932	1,040
			PROJECT TOTAL	**1,123**	**83,735**	**9,932**	**1,040**

** WATER CONVERSION IS 1 MGAL/100 TON OF BASE AGGREGATE DENSE MATERIAL. USE WATER FOR BASE COMPACTION AND DUST CONTROL

CONCRETE PAVEMENT

CATEGORY	STAGE	STATION - STATION	415.0100 10-INCH SY	416.0610 DRILLED TIE BARS EACH	415.0410 CONCRETE APPROACH SLAB SY
1000	2	1246+00 'TSB' - 1250+81 'TSB'	909	160	
		1289+57 'TSB' - 1305+04 'TSB'	5,028	516	-
		1375+34 'TSB' - 1381+05 'TSB'	596	190	-
		1396+65 'TSB' - 1408+65 'TSB'	2,373	319	-
		B-13-140	14	10	140
		1466+93 'TSB' - 1480+00 'TSB'	3,352	483	-
		CATEGORY 1000 SUBTOTALS	12,271	1,678	140
		PROJECT TOTALS	**12,271**	**1,678**	**140**

3

ASPHALTIC PAVEMENT ITEMS

CATEGORY	STAGE	STATION - STATION	LOCATION	LAYER THICKNESS (IN)	204.0120 REMOVING ASPHALTIC SURFACE MILLING (SY)	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)	460.6223 HMA PAVEMENT 3 MT 58-28 S (TON)	460.6224 HMA PAVEMENT 4 MT 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)	SPV.0090.001 FILL EXISTING RUMBLE STRIPS (LF)
1000	1	1246+00 'TSB' - 1308+26 'TSB'	LT	3.75	-	-	-	-	-	-	1,395	-	-	-
		1246+00 'TSB' - 1308+26 'TSB'		2.25	1,385	401	-	-	-	-	-	1,012	-	-
		1369+30 'TSB' - 1404+23 'TSB'	LT	3.75	-	-	-	-	-	-	1,601	-	-	-
		1369+30 'TSB' - 1404+23 'TSB'		2.25	530	408	-	-	-	-	-	1,027	-	-
		1403+56 'TSB' - 1423+84 'TSB'	LT	3.75	-	-	-	-	-	-	371	-	-	-
		1403+56 'TSB' - 1423+84 'TSB'		2.25	208	108	-	-	-	-	-	272	-	257
		1425+13 'TSB' - 1440+00 'TSB'	LT	3.75	-	-	-	-	-	-	317	-	-	-
		1425+13 'TSB' - 1440+00 'TSB'		2.25	332	92	-	-	-	-	-	232	-	-
		1442+42 'TSB' - 1451+71 'TSB'	LT	3.75	-	-	-	-	-	-	176	-	-	-
		1442+42 'TSB' - 1451+71 'TSB'		2.25	206	52	-	-	-	-	-	132	-	-
		1452+58 'TSB' - 1484+30 'TSB'	LT	3.75	-	-	-	-	-	-	832	-	-	-
		1452+58 'TSB' - 1484+30 'TSB'		2.25	638	222	-	-	-	-	-	559	-	897
			STAGE SUBTOTAL		3,300	1,283	0	0	0	0	4,693	3,234	0	1,154
1000	2	1246+00 'TSB' - 1308+26 'TSB'	RT	3.75	-	-	-	-	-	-	3,053	-	763	-
		1246+00 'TSB' - 1308+26 'TSB'		2.25	-	727	-	-	-	-	-	1,832	458	-
		1369+30 'TSB' - 1440+20 'TSB'	RT	3.75	-	-	-	-	-	-	3,993	-	998	-
		1369+30 'TSB' - 1440+20 'TSB'		2.25	-	951	-	-	-	-	-	2,396	599	-
		1441+95 'TSB' - 1451+91 'TSB'	RT	3.75	-	-	-	-	-	-	604	-	151	-
		1441+95 'TSB' - 1451+91 'TSB'		2.25	-	144	-	-	-	-	-	362	91	-
		1452+78 'TSB' - 1466+93 'TSB'	RT	3.75	-	-	-	-	-	-	820	-	205	-
		1452+78 'TSB' - 1466+93 'TSB'		2.25	-	195	-	-	-	-	-	492	123	-
		1466+93 'TSB' - 1482+68 'TSB'	IH 39 SB CROSSOVER	2.50	-	-	-	-	222	-	-	-	55	-
		1466+93 'TSB' - 1482+68 'TSB'		2.00	-	79	-	-	-	177	-	-	44	-
		1020+93 'XNB' - 1034+59 'XNB'	IH 39 NB SHOULDER	3.75	-	-	-	-	-	-	255	-	64	-
		1020+93 'XNB' - 1034+59 'XNB'		2.25	-	61	-	-	-	-	-	153	38	-
		47+62 'MN' - 52+92 'MN'	CTH MN	2.50	-	-	94	-	-	-	-	-	23	-
		47+62 'MN' - 52+92 'MN'		2.00	-	33	-	75	-	-	-	-	19	-
			STAGE SUBTOTAL		0	2,190	94	75	222	177	8,725	5,235	3,632	0
			CATEGORY 1000 SUBTOTAL		3,300	3,473	94	75	222	177	13,418	8,469	3,632	1,154
			PROJECT TOTAL		**3,300**	**3,473**	**94**	**75**	**222**	**177**	**13,418**	**8,469**	**3,632**	**1,154**

CULVERT ITEMS

CATEGORY	STAGE	INLET STATION	INLET OFFSET	INLET ELEV. (FT)	OUTLET STATION	OUTLET OFFSET	OUTLET ELEV. (FT)	SLOPE (%)	*520.8000 CONCRETE COLLARS FOR PIPE (EACH)	521.0118 CULVERT PIPE CORRUGATED STEEL 18-INCH (LF)	521.0124 CULVERT PIPE CORRUGATED STEEL 24-INCH (LF)	521.0130 CULVERT PIPE CORRUGATED STEEL 30-INCH (LF)	521.0136 CULVERT PIPE CORRUGATED STEEL 36-INCH (LF)	521.0148 CULVERT PIPE CORRUGATED STEEL 48-INCH (LF)	521.0160 CULVERT PIPE CORRUGATED STEEL 60-INCH (LF)	521.0348 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 48-INCH 4 TO 1 (EACH)	521.1018 APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH (EACH)	521.1024 APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH (EACH)	521.1030 APRON ENDWALLS FOR CULVERT PIPE STEEL 30-INCH (EACH)	521.1036 APRON ENDWALLS FOR CULVERT PIPE STEEL 36-INCH (EACH)	521.1048 APRON ENDWALLS FOR CULVERT PIPE STEEL 48-INCH (EACH)	521.1060 APRON ENDWALLS FOR CULVERT PIPE STEEL 60-INCH (EACH)	522.0318 CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH (LF)	522.0348 CULVERT PIPE REINFORCED CONCRETE CLASS IV 48-INCH (LF)	522.0360 CULVERT PIPE REINFORCED CONCRETE CLASS IV 60-INCH (LF)	*522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH (EACH)	522.1060 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 60-INCH (EACH)
1000	1	1379+36'TSB'	34.2' LT	863.02	1379+36'TSB'	52.2' LT	863.02	0.00%	1	18	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
		1390+34'TSB'	55.4' LT	868.53	1390+34'TSB'	73.4' LT	868.53	0.00%	1	-	-	-	18	-	-	-	-	-	-	1	-	-	-	-	-	-	-
						STAGE SUBTOTALS			2	18	0	0	18	0	0	0	1	0	0	1	0	0	0	0	0	0	0
1000	2	1251+35'TSB'	50.3' RT	875.29	1251+35'TSB'	36.3' RT	874.81	3.43%	1	-	-	14	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
		1261+33'TSB'	47.9' RT	872.90	1261+33'TSB'	27.9' RT	872.36	2.70%	1	-	-	-	20	-	-	-	-	-	-	1	-	-	-	-	-	-
		1265+26'TSB'	50.0' RT	874.02	1265+27'TSB'	17.1' RT	872.43	4.82%	1	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	1
		1267+45'TSB'	54.7' RT	869.84	1267+46'TSB'	35.7' RT	869.66	0.95%	1	-	-	-	-	-	19	-	-	-	-	-	1	-	-	-	-	-
		1280+98'TSB'	41.2' RT	889.57	1280+97'TSB'	5.2' RT	889.57	0.00%	1	-	-	-	-	-	-	1	-	-	-	-	-	36	-	-	-
		1283+79'TSB'	66.4' RT	885.70	1283+79'TSB'	42.4' RT	884.41	5.39%	1	-	24	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
		1286+95'TSB'	68.8' RT	884.85	1286+95'TSB'	40.8' RT	883.26	5.68%	1	-	28	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
		1289+37'TSB'	82.5' RT	881.62	1289+37'TSB'	58.5' RT	880.59	4.28%	1	-	-	24	-	-	-	-	-	-	1	-	-	-	-	-	-	-
		1294+18'TSB'	60.7' RT	892.16	1294+18'TSB'	38.7' RT	890.19	8.95%	1	-	-	22	-	-	-	-	-	-	1	-	-	-	-	-	-	-
		1300+15'TSB'	48.0' RT	908.52	1300+11'TSB'	30.5' RT	906.37	11.94%	1	-	18	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
		1303+64'TSB'	48.1' RT	916.30	1303+64'TSB'	40.1' RT	915.44	10.75%	1	-	-	8	-	-	-	-	-	-	1	-	-	-	-	-	-	-
		1390+37'TSB'	43.0' RT	873.79	1390+37'TSB'	29.0' RT	873.02	5.50%	1	-	-	-	14	-	-	-	-	-	-	1	-	-	-	-	-	-
		1416+77'TSB'	52.7' RT	879.88	1416+80'TSB'	33.0' RT	879.69	0.97%	1	-	-	-	20	-	-	-	-	-	-	1	-	-	-	-	-	-
		1419+35'TSB'	53.5' RT	879.20	1419+40'TSB'	30.0' RT	879.14	0.25%	1	-	-	-	-	24	-	-	-	-	-	-	1	1	-	-	-	-
		1439+38'TSB'	28.0' RT	885.43	1439+38'TSB'	18.0' RT	885.43	0.00%	1	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	1	-
						STAGE SUBTOTAL			15	0	70	68	54	24	19	**1**	0	3	4	3	1	2	10	36	33	1	1
						CATEGORY 1000 SUBTOTAL			17	18	70	68	72	24	19	1	1	3	4	4	1	2	10	36	33	1	1
						PROJECT TOTAL			**17**	**18**	**70**	**68**	**72**	**24**	**19**	**1**	**1**	**3**	**4**	**4**	**1**	**2**	**10**	**36**	**33**	**1**	**1**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

CONCRETE CURB & GUTTER

CATEGORY	STAGE	STATION	-	STATION	LOCATION	601.0553 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D (LF)	REMARKS
1000	1	1370+05 'TSB'	-	1372+00 'TSB'	LT	195	
					CATEGORY 1000 SUBTOTAL	195	
					PROJECT TOTAL	**195**	

CONCRETE BARRIER TEMPORARY ITEMS

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)	614.0800 CRASH CUSHIONS PERMANENT (EACH)	614.0905 CRASH CUSHIONS TEMPORARY (EACH)	BACK WIDTH (FT)	SIGN PLATE	TEST LEVEL	TRAFFIC LOCATION	SPV.0090.200 TRAFFIC CONTROL GAWK SCREEN FURNISHED (LF)	SPV.0090.201 TRAFFIC CONTROL GAWK SCREEN INSTALLED (LF)
1000	1	1459+56 'TSB'	-	1462+56 'TSB'	LT	300	300	300	1	-	2	W05-58R	TL-3	LT	-	-
					STAGE SUBTOTALS	300	300	300	1	0					0	0
	2	1287+50 'TSB'	-	1308+25 'TSB'	RT	2,075	2,075	-	-	1	2	W05-58L	TL-3	RT	-	-
		1374+00 'TSB'		1481+00 'TSB'	RT	10,700	10,700	-	-	1	2	W05-58L	TL-3	RT	450	450
		48+27 'MN'	-	52+27 'MN'	RT	400	400	400	2	-	2	W05-58L/58R	TL-3	LT & RT	-	-
		48+27 'MN'	-	52+27 'MN'	LT	400	400	400	2	-	2	W05-58L/58R	TL-3	LT & RT	-	-
					STAGE SUBTOTAL	13,575	13,575	800	4	2					450	450
					CATEGORY 1000 SUBTOTAL	13,875	13,875	1,100	5	2					450	450
					PROJECT TOTAL	**13,875**	**13,875**	**1,100**	**5**	**2**					**450**	**450**

**NON-BID ITEM: FOR INFORMATION ONLY

CONCRETE BARRIER TEMPORARY ITEMS (CONTINUED)

CATEGORY	STAGE	STATION	-	STATION	LOCATION	SPV.0090.202 CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE (LF)
1800	1	1459+56 'TSB'	-	1462+56 'TSB'	LT	300
					STAGE SUBTOTALS	300
	2	48+27 'MN'	-	52+27 'MN'	RT	400
		48+27 'MN'	-	52+27 'MN'	LT	400
					STAGE SUBTOTAL	800
					CATEGORY 1800 SUBTOTAL	1,100
					PROJECT TOTAL	**1,100**

STORM SEWER PIPES

CATEGORY	STAGE	FROM	-	TO	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	610.0419 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19x30-INCH LF	*520.8000 CONCRETE COLLARS FOR PIPE EACH	JOINT TIES** EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
1000	-	2.01	-	2.02	-	-	-	6	-	6	857.54	856.69	0.1417
		2.02	-	EX. CULV.	-	-	-	26	1	-	856.69	856.69	0.0000
		3.03	-	3.04	-	5	-	-	-	6	853.50	853.02	0.0960
		4.05	-	4.06	6	-	-	-	-	6	857.00	856.19	0.1350
		EX. CULV.	-	4.07	2	-	-	-	1	2	855.21	855.205	0.0027
		5.08	-	5.09	-	-	15	-	1	-	864.16	864.12	0.0027
		6.10	-	6.11	-	237	-	-	-	-	864.46	860.07	0.0186
				CATEGORY 1000 SUBTOTAL	8	242	15	32	3	20			
				PROJECT TOTAL	**8**	**242**	**15**	**32**	**3**	**20**			

* ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS
** NON-BID ITEM: FOR INFORMATION ONLY

STORM SEWER STRUCTURES

CATEGORY	STAGE	STRUCTURE	STATION	OFFSET*	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	****522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	523.0519 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19x30-INCH EACH	611.0610 INLET COVERS TYPE BW EACH	611.0642 INLET COVERS TYPE MS EACH	611.2005 MANHOLES ***** 5-FT DIAMETER EACH	611.3004 INLETS ***** 4-FT DIAMETER EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	RIM ELEVATION	INVERT** ELEVATION	DEPTH*** FT	REMARKS
1000	-	02.01	1450+37 'TSB'	33.0' RT	-	-	1	-	-	-	-	-	-	-	859.85	-	
		02.02	1450+37 'TSB'	27.2' RT	-	-	-	1	-	1	-	-	-	860.81	856.69	3.15	
		03.03	1454+36 'TSB'	31.7' RT	-	1	-	-	-	-	-	-	-	-	853.50	-	
		03.04	1454+36 'TSB'	26.0' RT	-	-	-	1	-	-	1	-	-	856.54	853.02	2.37	
		04.05	1460+37 'TSB'	33.4' RT	1	-	-	-	-	-	-	-	-	-	858.62	-	
		04.06	1460+37 'TSB'	27.0' RT	-	-	-	1	-	-	1	-	-	859.87	856.19	2.53	
		04.07	1460+35'TSB'	46.5' LT	1				-	-	-	-	-	-	855.21	-	
		05.09	1470+38'X276'	28.2' RT	-	-	-	-	2	-	-	-	1	868.00	864.18	3.82	SINGLE SLOPE
		06.10	1480+00'TSB'	32.5' RT	-	-	-	-	1	-	-	1	-	868.21	864.46	3.75	DOUBLE SLOPE
				CATEGORY 1000 SUBTOTAL	2	1	1	3	3	1	2	1	1				
				PROJECT TOTAL	**2**	**1**	**1**	**3**	**3**	**1**	**2**	**1**	**1**				

REMARKS
* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE. OFFSETS SHOWN ON STORM SEWER DETAILS ARE TO CENTER OF INLET CASTING.
** FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
*** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6 -INCH ADJUSTMENT RING HEIGHT
**** ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS
***** CONCRETE FLAT SLAB TOP WITH 2x2.5-FT REQ'D. TO FACILITATE TYPE BW INLET COVER

SURFACE DRAIN PIPES

CATEGORY	STAGE	PIPE NO.	STRUCTURE NUMBER	STATION	OFFSET	INVERT	TO STRUCTURE NUMBER	STATION	OFFSET	INVERT	**BACKFILL SLURRY CY	521.2005.S SURFACE DRAIN PIPE CORRUGATED METAL SLOTTED 18-INCH LF
1000	-	P101	-	1442+15'TSB'	25' RT	880.34	02.02	1450+37'TSB'	25' RT	859.33	58.9	822
		P102	-	1453+00'TSB'	25' RT	856.23	-	1453+28'TSB'	25' RT	855.70	2.0	28
		P102	-	1453+28'TSB'	25' RT	855.70	03.04	1454+36'TSB'	26' RT	855.06	7.7	108
		P102	-	1456+28'TSB'	27' RT	854.80	03.04	1454+36'TSB'	26' RT	855.06	13.8	192
		P103	-	1460+00'TSB'	27' RT	857.91	-	1456+28'TSB'	27' RT	854.80	26.7	372
		P104	-	1470+00'X276'	15' RT	866.95	04.06	1460+37'TSB'	27' RT	858.39	69.0	963
				CATEGORY 1000 SUBTOTAL							178.0	2485
				PROJECT TOTAL							**178.0**	**2485**

** NON-BID ITEM: FOR INFORMATION ONLY

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EROSION CONTROL ITEMS

CATEGORY	STAGE	STATION - STATION	628.1504 SILT FENCE (LF)	628.1520 SILT FENCE MAINTENANCE (LF)	628.2004 EROSION MAT CLASS I TYPE B (SY)	628.6510 SOIL STABILIZER TYPE B (ACRE)	628.7504 TEMPORARY DITCH CHECKS (LF)	628.7555 CULVERT PIPE CHECKS (EACH)	628.7570 ROCK BAGS (EACH)	SPV.0090.150 COMPOST TUBE (LF)
1000	1	1246+00 - 1265+27 'TSB'	1938	1938	-	-	-	-	-	-
		1369+30 - 1404+20 'TSB'	2607	2607	-	-	-	3	-	-
		1425+13 - 1440+00 'TSB'	940	940	-	-	-	-	-	-
		1454+25 - 1484+30 'TSB'	2600	2600	-	-	30	-	-	-
		STAGE SUBTOTAL	8085	8085	0	0.00	30	3	0	0
1000	2	1246+00 - 1308+26 'TSB'	-	-	1338	0.50	380	34		130
		1369+30 - 1440+20 'TSB'	-	-	-	-	20	13	-	-
		1441+95 - 1452+00 'TSB'	-	-	-	-	110	-	-	-
		1452+94 - 1485+00 'TSB'	-	-	-	-	50	-	-	-
		1019+92 - 1034+59 'XNB'	1413	1413	-	-	-	4	-	-
		STAGE SUBTOTAL	1413	1413	1338	0	560	51	0	130
		UNDISTRIBUTED	1902	1902	272	1.00	120	11	100	30
		PROJECT TOTAL	**11400**	**11400**	**1610**	**1.50**	**710**	**65**	**100**	**160**

EROSION CONTROL ITEMS

CATEGORY	STAGE	STATION	LOCATION	628.7005 INLET PROTECTION TYPE A (EACH)	628.7010 INLET PROTECTION TYPE B (EACH)	628.7560 TRACKING PADS (EACH)
1000	1	1417+02 'TSB'	LT	1	-	-
			STAGE SUBTOTAL	1	0	0
1000	2	1381+71'TSB'	RT	1	-	-
		1450+36 'TSB'	RT	1	1	-
		1454+36'TSB'	RT	1	1	-
		1460+37 'TSB'	RT	1	1	-
		1470+38 'TSB'	RT	1	-	-
		1480+00 'TSB'	RT	1	-	-
		1482+37 'TSB'	RT	1	-	-
			STAGE SUBTOTAL	7	3	0
			UNDISTRIBUTED	2	2	8
			PROJECT TOTAL	**10**	**5**	**8**

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EROSION CONTROL MOBILIZATION

CATEGORY	STAGE	LOCATION	628.1905 MOBILIZATION EROSION CONTROL (EACH)	628.1910 EMERGENCY MOBILIZATIONS EROSION CONTROL (EACH)
1000	1	IH 39	2	1
	2	IH 39	2	1
		STAGE SUBTOTAL	4	2
		UNDISTRIBUTED	1	1
		PROJECT TOTAL	**5**	**3**

FENCE SAFETY

CATEGORY	STAGE	STATION	-	STATION	LOCATION	616.0700.S (LF)	COMMENTS
1000	-	1443+90 'TSB'	-	1446+90 'TSB'	LT	400	PLACE SAFETY FENCE PRIOR TO REMOVING THE EXISTING FENCE. SAFETY FENCE TO REMAIN UNTIL PERMANENT FENCE IS INSTALLED.
					STAGE SUBTOTAL	400	
					PROJECT TOTAL	**400**	

FENCING ITEMS

CATEGORY	STAGE	STATION	-	STATION	LOCATION	616.0100 FENCE WOVEN WIRE 4-FT (LF)	SPV.0090.002 FURNISHING TEMPORARY SNOW FENCE (LF)	SPV.0060.003 INSTALLING TEMPORARY SNOW FENCE (LF)
1000	-	1246+00 'TSB'	-	1307+79 'TSB'	LT	6211	-	-
		1372+51 'TSB'	-	1440+73 'TSB'	LT	7006	-	-
		1442+43 'TSB'	-	1451+60 'TSB'	LT	968	-	-
		1452+45 'TSB'	-	1466+92 'TSB'	LT	1505	1430	1430
					STAGE SUBTOTAL	15690	1430	1430
					PROJECT TOTAL	**15690**	**1430**	**1430**

FINISHING ITEMS

CATEGORY	STAGE	STATION	-	STATION	LOCATION	625.0500 SALVAGED TOPSOIL (SY)	627.0200 MULCHING (SY)	629.0205 FERTILIZER TYPE A (CWT)	630.0130 SEEDING MIXTURE NO. 30 (LB)	630.0200 SEEDING TEMPORARY (LB)
1000	1	1246+00 'TSB'	-	1308+26 'TSB'	LT	2437	2437	3	59	25
		1369+30 'TSB'	-	1404+23 'TSB'	LT	6064	6064	6	102	92
		1403+56 'TSB'	-	1412+95 'TSB'	LT	314	314	1	21	0
		1425+13 'TSB'	-	1438+13 'TSB'	LT	5370	5370	4	41	116
		1448+15 'TSB'	-	1449+12 'TSB'	LT	38	38	0	2	0
		1454+47 'TSB'	-	1484+30 'TSB'	LT	5114	1797	7	85	163
					STAGE SUBTOTAL	19337	16019	20	312	396
1000	2	1246+00 'TSB'	-	1308+26 'TSB'	MEDIAN	25262	21147	16	186	390
		1369+30 'TSB'	-	1440+20 'TSB'	MEDIAN	9618	9618	10	202	123
		1441+65 'TSB'	-	1452+00 'TSB'	MEDIAN	1658	1658	2	31	25
		1452+78 'TSB'	-	1475+69 'TSB'	MEDIAN	5114	5114	3	64	17
		1466+93 'TSB'	-	1480+00 'TSB'	CROSSOVER/MEDIAN	1093	1093	1	34	1
		1020+93 'XNB'	-	1034+59 'XNB'	RT	1451	1451	1	33	13
					STAGE SUBTOTAL	44196	40080	33	551	568
					UNDISTRIBUTED	12707	11220	13	177	193
					PROJECT TOTAL	**76240**	**67320**	**65**	**1040**	**761**

PERMANENT SIGNING TYPE II

PROJECT NUMBER	CATEGORY	SIGN #	SIGN CODE	SIZE (INCH)	X (INCH)	LOCATION	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	634.0618 POSTS WOOD 4X6-INCH X 18 FT (EACH)	REMARKS
1007-10-84	1000	06-03	-	66	X 120	LT	55.00	2	GAS-EXIT 147; ROAD RANGER; BP
				PROJECT TOTALS			**55.00**	**2**	

MOVING SIGNS

CATEGORY	SIGN #	SIGN CODE	638.2102 MOVING SIGNS TYPE II (EACH)	638.4100 MOVING STRUCTURAL STEEL SIGN SUPPORTS (EACH	636.0100 SIGNS SUPPORTS CONCRETE MASONRY (CY)	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT (LB)
1000	M01-01	D10-5A	1	-	-	-
	M02-01	D10-5A	1	-	-	-
	M03-01	D10-5A	1	-	-	-
	M03-02	D10-5A	1	-	-	-
	M04-01	D10-5A	1	-	-	-
	M05-01	D10-5A	1	-	-	-
	M07-02	-	1	2	1.6	98
	M07-03	-	1	2	1.6	98
	M07-04	D10-5A	1	-	-	-
	M07-05	R4-3	1	-	-	-
	M07-06	D10-5A	1	-	-	-
	M08-01	D10-5A	1	-	-	-
	M09-01	W4-1R	1	-	-	-
	M09-02	D10-5A	1	-	-	-
	M09-03	D10-5A	1	-	-	-
	M10-01	D10-5A	1	-	-	-
	M10-02	R3-4B	1	-	-	-
	M11-01	D10-5A	1	-	-	-
	M11-02	D10-5A	1	-	-	-
	M11-05	D10-5A	1	-	-	-
	M11-06	D10-5A	1	-	-	-
	M12-01	D10-5A	1	-	-	-
	M12-03	D10-5A	1	-	-	-
	M13-03	D10-5A	1	-	-	-
	M13-04	D10-5A	1	-	-	-
	M14-02	D10-5A	1	-	-	-
CATEGORY 1000 SUBTOTAL			26	4	3.2	196
PROJECT TOTAL			**26**	**4**	**3.2**	**196**

REMOVING SIGNS

CATEGORY	SIGN #	SIGN CODE	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	REMARKS
1000	R11-03	W5-52R	1	1	CLEARANCE STRIPER DOWN LEFT
	R11-04	W5-52L	1	1	CLEARANCE STRIPER DOWN RIGHT
	R11-07	W5-52R	1	1	CLEARANCE STRIPER DOWN LEFT
	R11-08	W5-52L	1	1	CLEARANCE STRIPER DOWN RIGHT
CATEGORY 1000 SUBTOTAL			4	4	
PROJECT TOTAL			4	4	

TRAFFIC CONTROL
DETOUR SIGNS

CATEGORY	SIGN NUMBER	MESSAGE	EACH	DAYS	643.3000 TOTAL DAYS
1000	M1-5A	"COUNTY MN"	13	88	1144
	M4-6	"END"	2	88	176
	M4-8	"DETOUR"	13	88	1144
	MO6-1		1	88	88
	MO6-2		1	88	88
	MO5-1L		3	88	264
	MO5-1R		2	88	176
	MO5-2R		1	88	88
CATEGORY 1000 SUBTOTAL					3168
PROJECT TOTAL					**3168**

TRAFFIC CONTROL

CATEGORY	LOCATION	STAGE	DAYS	643.0200.S TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE 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	COMMENTS
1000	IH 39	1	43	43	280	12,040	4	172	8	344	17	731	2	86	2	86	22	946	
	IH 39	2	44	44	280	12,320	18	792	20	880	17	748	2	88	3	146	36	1,584	
	UNDISTRIBUTED			-		500		36		76		121		46		48		70	
CATEGORY 1000 SUBTOTAL				87		24,860		1,000		1,300		1,600		220		280		2,600	
PROJECT TOTAL				**87**		**24,860**		**1,000**		**1,300**		**1,600**		**220**		**280**		**2,600**	

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DELINEATORS/FLEXIBLE TUBULAR MARKERS

PROJECT NUMBER	CATEGORY	STAGE	LOCATION	633.1100 DELINEATOR TEMPORARY (EACH)	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS (EACH)	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES (EACH)
1007-10-84	1000		CROSSOVER X276	8	110	110
			PROJECT TOTALS	**8**	**110**	**110**

REMOVING PAVEMENT MARKINGS

CATEGORY	STAGE	STATION	-	STATION	LOCATION	*646.0600 EDGELINE WHITE (LF)	*646.0600 EDGELINE YELLOW (LF)	*646.0600 12.5' SKIPS WHITE (LF)
1000	2	1283+00 'TSB'	-	1310+00 'TSB'		2,700	2,700	675
		1369+30 'TSB'	-	1485+00 'TSB'		11,600	11,600	2,900
		1021+00 'XNB'	-	1034+50 'XNB'		1,350	1,350	350
					STAGE SUBTOTAL	15,650	15,650	3,925
					PROJECT TOTAL		**35,225**	

*ADDITIONAL QUANTITIES SHOWN ELSEWERE

TEST PITS

PROJECT NUMBER	CATEGORY	LOCATION	SPV.0060.003 (EACH)
1007-10-84	1000	UNDISTRIBUTED	14
		PROJECT TOTALS	**14**

REMOVE ITS EQUIPMENT

PROJECT NUMBER	CATEGORY	STATION	LOCATION	SPV.0105.401 LS
1007-10-84	1200	1422+11 'TSB'	RT	1

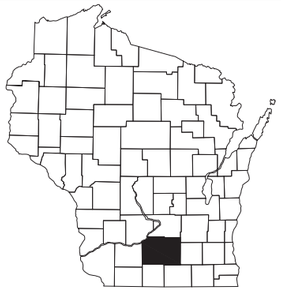
TEMPORARY PAVEMENT MARKING

CATEGORY	STAGE	STATION	-	STATION	LOCATION	646.0402 PAINT 4-INCH (TRAFFIC CONTROL STAGING) EDGELINE WHITE (LF)	646.0402 EDGELINE YELLOW (LF)	646.0402 12.5' SKIPS WHITE (LF)	649.0403 EPOXY 4-INCH EDGELINE WHITE (LF)	649.0403 EDGELINE YELLOW (LF)	649.0403 12.5' SKIPS WHITE (LF)	649.0803 EPOXY 8-INCH EDGELINE WHITE (LF)	*646.0600 REMOVING PAVEMENT MARKINGS (LF)
1000	2	1283+00 'TSB'	-	1310+00 'TSB'	SB IH 39	2700	2700	675	-	-	-	-	-
		1369+30 'TSB'	-	1485+00 'TSB'	SB IH 39	11500	11500	2875	-	-	-	-	-
		1021+00 'XNB'	-	1034+50 'XNB'	NB IH 39	1350	1350	350	-	-	-	-	-
					STAGE SUBTOTAL	15550	15550	3900	0	0	0	0	35000
							35000			0			
		1246+00 'TSB'	-	1310+00 'TSB'	SB IH 39	-	-	-	6400	6400	675	-	-
		1369+30 'TSB'	-	1484+30 'TSB'	SB IH 39	-	-	-	11500	11500	2875	50	-
		1021+00 'XNB'	-	1034+50 'XNB'	NB IH 39	-	-	-	1350	1350	350	-	-
					STAGE SUBTOTAL	0	0	0	19250	19250	3900	50	0
							0			42400			
					CATEGORY 1000 SUBTOTAL		35000			42400		50	35000
					PROJECT TOTAL		**35000**			**42400**		**50**	**35000**

*ADDITIONAL QUANTITIES SHOWN ELSEWERE

SAWING PAVEMENT

CATEGORY	STAGE	STATION - STATION	LOCATION	690.0150 SAWING ASPHALT (LF)	690.0250 SAWING CONCRETE (LF)	REMARKS
1000	1	1393+16 'TSB' - 1404+23 'TSB'	LT	1116	-	
		1473+93 'TSB' - 1484+30 'TSB'	LT	1047	-	
			STAGE SUBTOTAL	2163	0	
	2	1246+00 'TSB' - 1308+26 'TSB'	MEDIAN	6236	-	
		1369+30 'TSB' - 1440+20 'TSB'	MEDIAN	7050	41	
		1441+95 'TSB' - 1451+53 'TSB'	MEDIAN	910	100	
		1452+94 'TSB' - 1466+93 'TSB'	MEDIAN	1400	27	
		1466+93 'TSB' - 1481+94 'TSB'	SB MEDIAN	1501	-	CROSSOVER
		1024+16 'XNB' - 1032+22 'XNB'	NB MEDIAN	806	-	CROSSOVER
		1020+93 'XNB' - 1034+59 'XNB'	IH 39 NB	1365	-	OUTSIDE SHOULDER
		47+62 'MN' - 52+92 'MN'	CTH MN	1020	-	SHOULDERS
			STAGE SUBTOTAL	20288	168	
			CATEGORY 1000 SUBTOTAL	22451	168	
			PROJECT TOTAL	**22,451**	**168**	



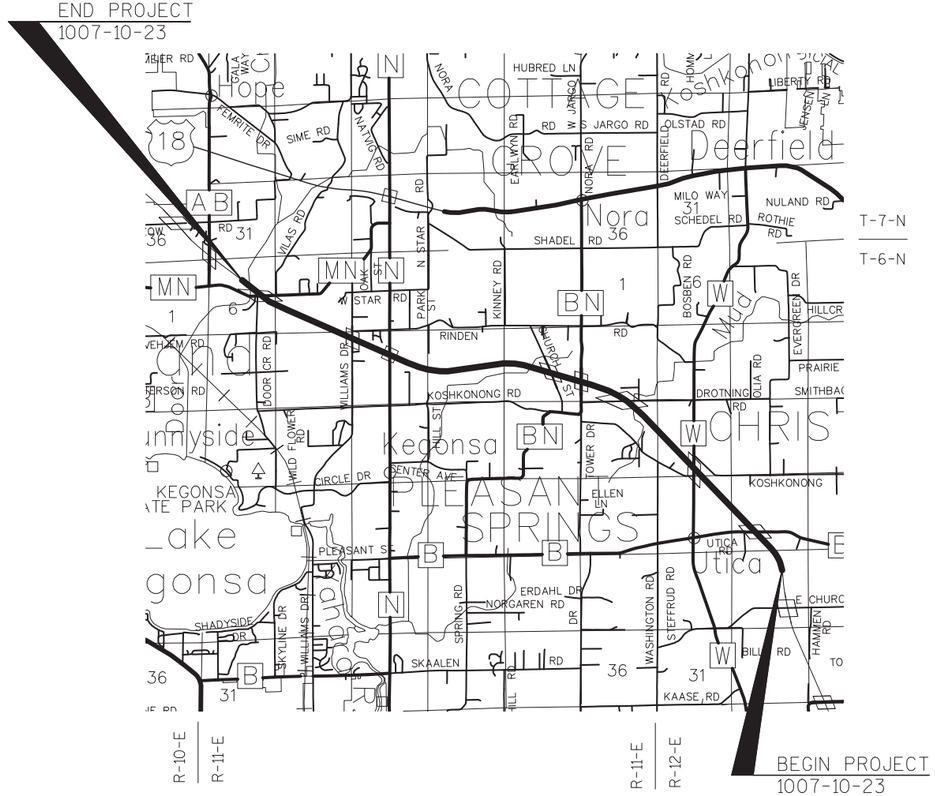
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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 - 4.15

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
NE-SE
NW-SW

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
PC: 2195+81.33
RL=S82°26'08"W
PT: 2215+33.37
RL TAN. N82°26'08"E, 648.35' PT TO SEC. LINE
EXISTING AUXILIARY RL FOR PROJECT I-90-3(29)140
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.

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

1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518
SIGN 28-1
28 29

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 : ==========

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.

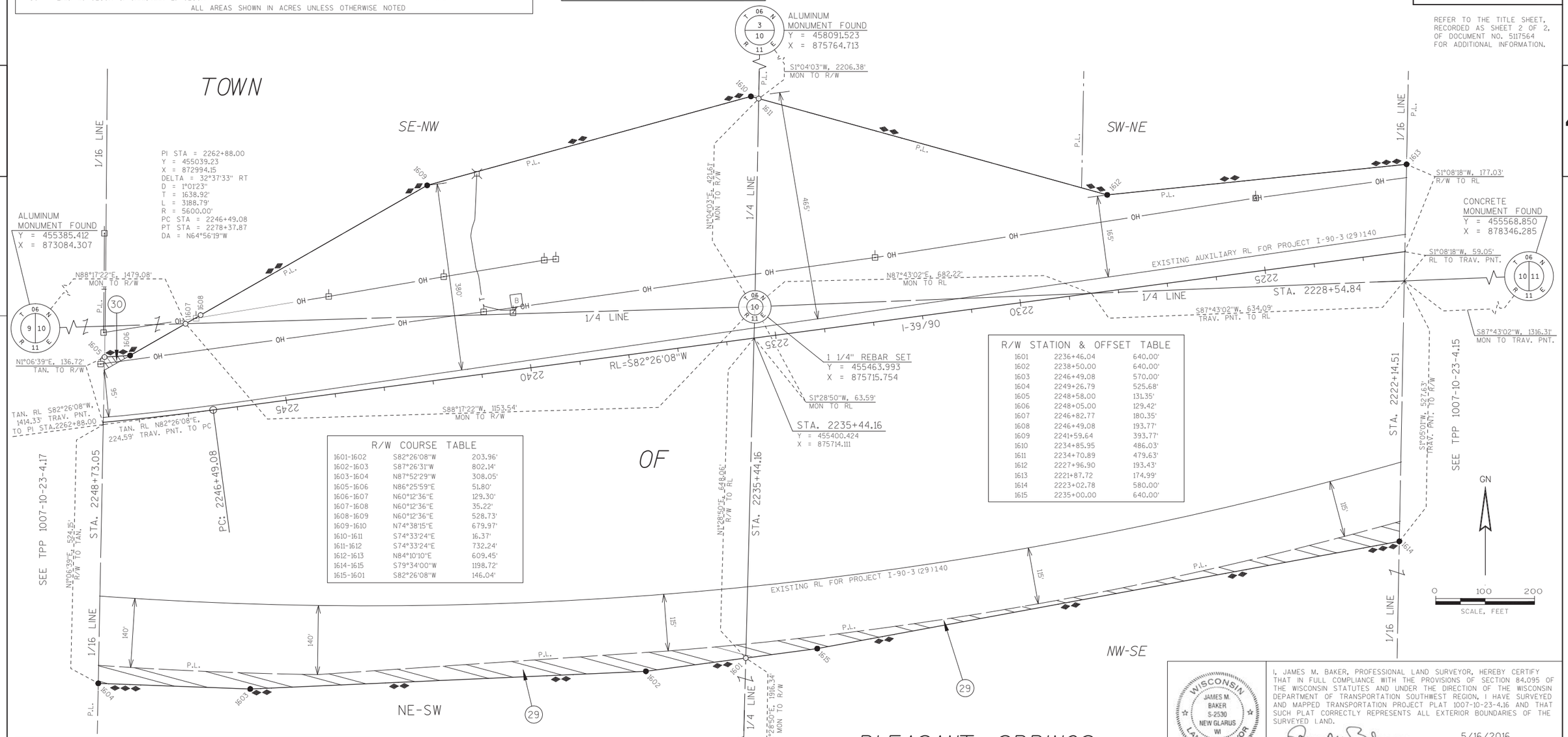
KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

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

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

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

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 : 1.0000
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'
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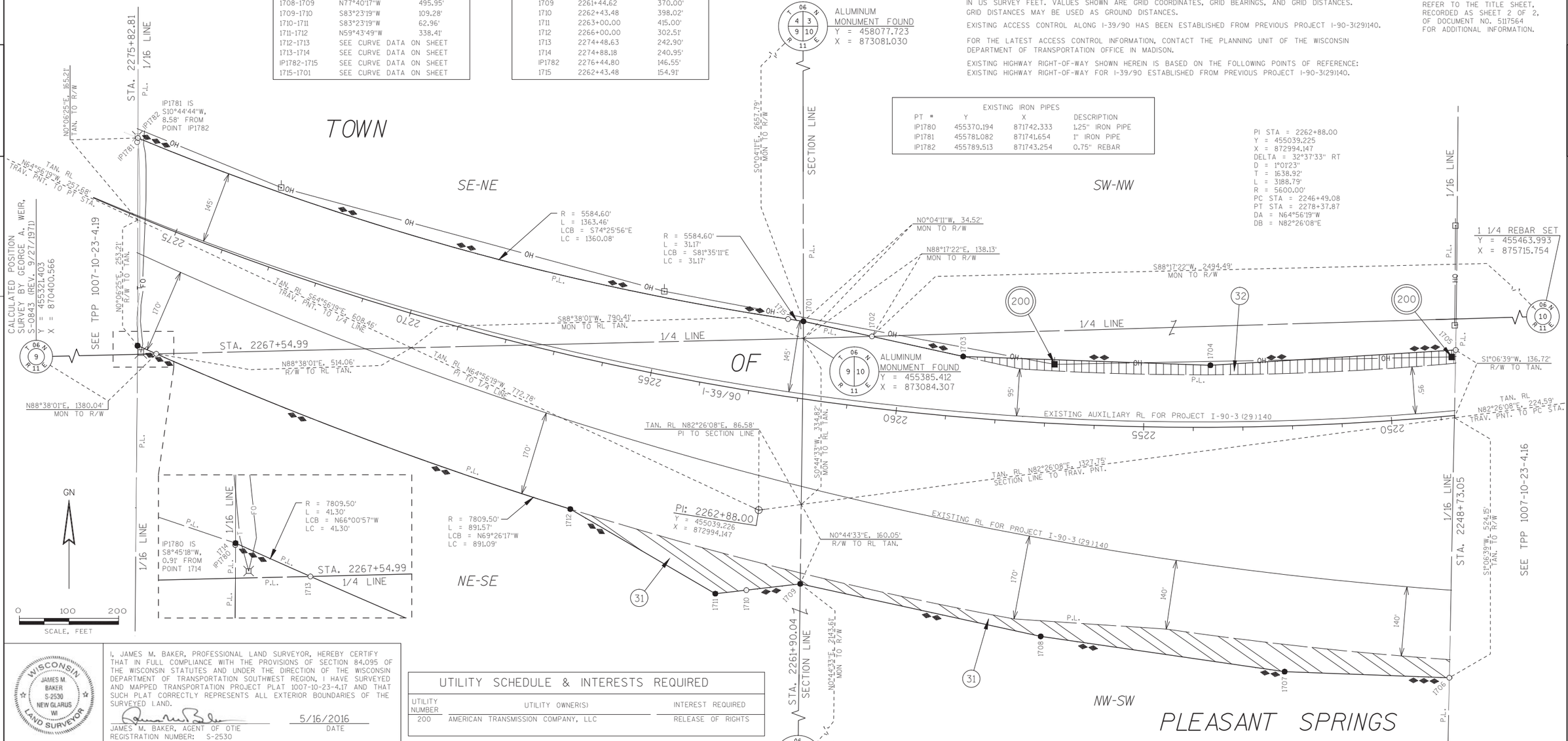
1709	2261+44.62	370.00'
1710	2262+43.48	398.02'
1711	2263+00.00	415.00'
1712	2266+00.00	302.51'
1713	2274+48.63	242.90'
1714	2274+88.18	240.95'
IP1782	2276+44.80	146.55'
1715	2262+43.48	154.91'



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

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 Onsite Total Integrated Enterprises

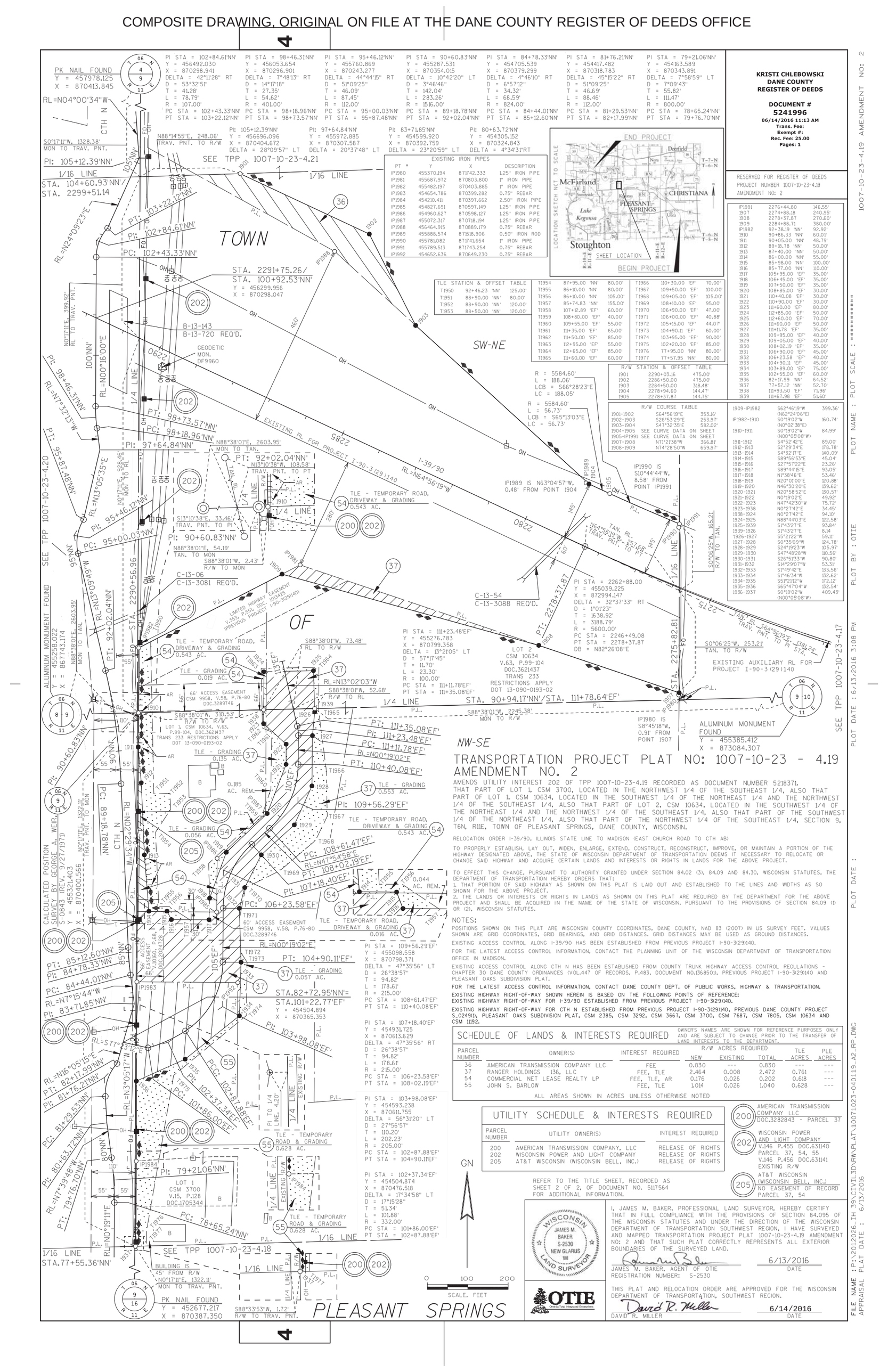
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER — 5/17/2016 DATE

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\10071023-040117_RP.DWG
APPRAISAL PLAT DATE : 5/16/2016
PLOT DATE : 5/16/2016 7:52 AM PLOT BY : OTIE PLOT NAME : PLOT SCALE : ''''''''''''

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4


PK NAIL FOUND
Y = 457978.125
X = 870413.845
RL=N04°00'34"W
CTH N
SO°17'11"W, 1328.38'
MON TO TRAV. PNT.
PI: 105+12.39'NN'
1/16 LINE
STA. 104+60.93'NN'/
STA. 2299+51.14
RL=N24°09'23"E
PI: 103+22.12'NN'
PT: 103+22.12'NN'
PI: 102+84.61'NN'
PC: 102+43.33'NN'
TOWN
STA. 2291+75.26/
STA. 100+92.53'NN'
Y = 456299.956
X = 870298.047
N01°11'11"E, 399.92'
RL TO TRAV. PNT.
B-13-143
B-13-720 REQ'D.
GEODETIC
MON.
DF9960
RL=N00°16'00"E
100'NN'
1/4 LINE
PI: 98+46.31'NN'
RL=N76°32'13"W
PT: 98+73.57'NN'
PC: 98+18.96'NN'
PI: 97+64.84'NN'
PI: 95+46.28'NN'
RL=N13°05'35"E
PI: 95+46.12'NN'
PC: 95+00.03'NN'
PI: 90+60.83'NN'
N88°38'01"E, 54.19'
TAN. TO MON
S88°38'01"W, 2.43'
R/W TO MON
C-13-06
C-13-3081 REQ'D.
SEE TPP 1007-10-23-4.20
STA. 2290+56.96
RL=N13°09'49"W
PT: 92+02.04'NN'
ALUMINUM MONUMENT FOUND
455258.022
8677443.174
N88°38'01"E, 2603.95'
MON TO TAN.
PT: 92+02.04'NN'
N13°10'38"W, 108.58'
TRAV. PNT. TO PT
S13°10'38"E, 33.46'
TRAV. PNT. TO PI
PI: 90+60.83'NN'
N88°38'01"E, 54.19'
TAN. TO MON
S88°38'01"W, 2.43'
R/W TO MON
C-13-06
C-13-3081 REQ'D.
SEE TPP 1007-10-23-4.20
STA. 2290+56.96
RL=N13°09'49"W
PT: 92+02.04'NN'
ALUMINUM MONUMENT FOUND
455258.022
8677443.174
N88°38'01"E, 2603.95'
MON TO TAN.
PI: 90+60.83'NN'
RL=N00°29'47"W
PC: 89+18.18'NN'
CALCULATED POSITION
SURVEY BY GEORGE A. WEIR
S-0843 (REV. 9/27/1971)
Y = 455321.403
X = 870400.566
N01°11'11"E, 1322.11'
TRAV. PNT. TO MON
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=S77°31'12"E
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+65.72'NN'
RL=N7°39'48"W
PT: 79+76.70'NN'
RL=N0°19'11"E
1/16 LINE
STA.77+55.36'NN'
SEE TPP 1007-10-23-4.18
BUILDING IS
45' FROM R/W
N01°11'11"E, 1322.11'
MON TO TRAV. PNT.
PK NAIL FOUND
Y = 452677.217
X = 870387.350
S88°33'53"W, 1.72'
R/W TO TRAV. PNT.
PLEASANT SPRINGS
PI: 105+12.39'NN'
N88°14'55"E, 248.06'
TRAV. PNT. TO R/W
Y = 456696.096
X = 870404.672
DELTA = 28°09'57" LT
SEE TPP 1007-10-23-4.21
PI: 97+64.84'NN'
DELTA = 20°37'48" LT
PI: 83+71.85'NN'
Y = 455599.920
X = 870392.759
DELTA = 23°20'59" LT
PI: 80+63.72'NN'
Y = 454305.152
X = 870324.843
DELTA = 4°34'31"RT
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" REBAR
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+37.87 144.75'
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'
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'
(N62°24'06"E)
IP1982-1910 S0°19'02"W 160.74'
(N0°02'38"E)
1910-1911 S0°19'02"W 84.99'
(N00°05'08"W)
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°21'14"W 172.12'
1935-1936 S65°47'04"W 132.54'
1936-1937 S0°19'02"W 409.43'
(N00°05'08"W)
IP1989 IS N63°04'57"W, 0.48' FROM POINT 1904
IP1990 IS S10°44'14"W, 8.58' FROM POINT IP1991
S0°06'25"W, 165.21' R/W TO TAN.
N64°56'19"W TRAV. PNT. TO PT
S64°56'19"E, 138.24' TRAV. PNT. TO PI
S0°06'25"W, 253.21' TAN. TO R/W
EXISTING AUXILIARY RL FOR PROJECT I-90-3 (29) 140
IP1980 IS S8°45'18"W, 0.91' FROM POINT 1907
ALUMINUM MONUMENT FOUND
Y = 455385.412
X = 873084.307
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 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 = 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'
LOT 2
CSM 10634
V.63, P.99-104
DOC.3621437
TRANS 233
RESTRICTIONS APPLY
DOT 13-090-0193-02
STA. 90+94.17'NN'/STA. 111+78.64'EF'
STA. 2275+82.81
PT: 2278+37.87
PI: 111+35.08'EF'
PI: 111+23.48'EF'
PC: 111+11.78'EF'
RL=N00°19'02"E
PT: 110+40.08'EF'
PI: 109+56.29'EF'
PI: 108+61.47'EF'
PC: 108+02.19'EF'
RL=N47°54'58"E
PT: 108+02.19'EF'
PI: 107+18.40'EF'
PC: 106+23.58'EF'
RL=N00°19'02"E
PT: 104+90.11'EF'
PI: 103+98.08'EF'
PC: 102+37.34'EF'
PT: 101+86.00'EF'
PI: 79+21.06'NN'
PC: 78+65.24'NN'
PT: 78+21.06'NN'
PI: 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'
STA.82+72.95'NN'=
STA.101+22.77'EF'
Y = 454504.894
X = 870365.353
TLE - TEMPORARY ROAD, DRIVEWAY & GRADING 0.543 AC.
TLE - GRADING 0.019 AC.
TLE - GRADING 0.135 AC.
TLE - GRADING 0.553 AC.
TLE - GRADING 0.056 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.
0.185 AC. REM.
0.044 AC. REM.
66' ACCESS EASEMENT CSM 9958, V.58, P.76-80 DOC.3289746
S88°38'01"W, 310.53' R/W TO R/W
LOT 1, CSM 10634, V.63, P.99-104, DOC.3621437
TRANS 233 RESTRICTIONS APPLY
DOT 13-090-0193-02
S88°38'01"W, 73.48' RL TO R/W
RL=N13°02'03"W
S88°38'01"W, 52.68' R/W TO RL
1939
S88°38'01"W, 2245.38' MON TO R/W
1/4 LINE
LIMITED HIGHWAY EASEMENT V.3514, P.551, DOC. 1934429 (PREVIOUS PROJECT I-90-3(29)140)
EXISTING RL FOR PROJECT I-90-3(29)140
EXISTING R/W
1/4 LINE
1/16 LINE
1/4 LINE
1/16 LINE
1/4 LINE
1/16 LINE

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

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.19
AMENDMENT NO: 1

PK NAIL FOUND
Y = 457978.125
X = 870413.845

RL=N04°00'34"W

CTH N

S0°17'11"W, 1328.38' MON TO TRAV. PNT.

PI: 105+12.39'NN'

1/16 LINE
STA. 104+60.93'NN'/
STA. 2299+51.14

RL=N24°09'23"E

PT: 103+22.12'NN'

PI: 102+84.61'NN'

PC: 102+43.33'NN'

TOWN

STA. 2291+75.26/
STA. 100+92.53'NN'
Y = 456299.956
X = 870298.047

B-13-143
B-13-720 REQ'D.

N0°17'11"E, 399.92' RL TO TRAV. PNT.

100'NN'

RL=N00°16'00"E

GEODETIC MON. DF9960

1/4 LINE

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'

PI: 92+81.95'NN'

RL=N13°05'35"E

PI: 95+46.12'NN'

PC: 95+00.03'NN'

95'NN'

RL=N13°09'49"W

PI: 92+02.04'NN'

STA. 2290+56.96

PI: 90+60.83'NN'

90'NN'

RL=N02°29'47"W

PC: 89+18.18'NN'

N0°17'11"E, 1322.11' MON TO TRAV. PNT.

CALCULATED POSITION SURVEY BY GEORGE A. WEIR (REV. 9/27/1971)
S-0843
Y = 455321.403
X = 870400.566

ALUMINUM MONUMENT FOUND
Y = 455258.022
X = 867743.174
N88°38'01"E, 2603.95' MON TO TAN.

SEE TPP 1007-10-23-4.20

SEE TPP 1007-10-23-4.18

PK NAIL FOUND
Y = 452677.217
X = 870387.350

1/16 LINE
STA.77+55.36'NN'

BUILDING IS 45' FROM R/W
N0°17'11"E, 1322.11' MON TO TRAV. PNT.

S88°33'53"W, 1.72' R/W TO TRAV. PNT.

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

N88°14'55"E, 248.06' TRAV. PNT. TO R/W

SEE TPP 1007-10-23-4.21

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

LOCATION SKETCH NOT TO SCALE

END PROJECT
Deerfield
Nora
Sunnyside
McFarland
CHRISTIANA
PLEASANT SPRINGS
Lake Kegonsa
Kegonsa
Stoughton
T-7-N T-6-N
T-5-N T-5-N
R-11-E R-10-E
SHEET LOCATION
BEGIN PROJECT

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		144.75'

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'

R/W COURSE TABLE		
1901-1902	S64°56'19"E	353.16'
1902-1903	S26°53'29"E	253.91'
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'

IP1990 IS S10°44'44"W, 8.58' FROM POINT IP1991

IP1989 IS N63°04'57"W, 0.48' FROM POINT 1904

TLE - TEMPORARY ROAD, DRIVEWAY & GRADING 0.543 AC.

N88°38'01"E, 2603.95' MON TO TAN.

N13°10'38"W, 108.58' TRAV. PNT. TO PT

S13°10'38"E, 33.46' TRAV. PNT. TO PI'

N88°38'01"E, 54.19' TAN. TO MON

S88°38'01"W, 2.43' R/W TO MON

N64°56'19"W TAN. RL TRAV. PNT. TO PI 1910, 168.58'

S0°06'25"W, 165.21' R/W TO TAN.

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

PT: 2278+37.87

S0°06'25"W, 253.21' TAN. TO R/W

EXISTING AUXILIARY RL FOR PROJECT I-90-3 (29) 140

TAN. RL N64°56'19"E, 138.24' TRAV. PNT. TO PI 1939

STA. 2275+82.81

ALUMINUM MONUMENT FOUND
Y = 455385.412
X = 873084.307

IP1980 IS S8°45'18"W, 0.91' FROM POINT 1907

SEE TPP 1007-10-23-4.17

PLOT DATE : 4/8/2016 4:00 PM PLOT BY : OTIE 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

NW-SE

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.

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 1007-10-23-4.19 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

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

4/11/2016
DATE

DAVID R. MILLER

PLEASANT SPRINGS

4

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DANE COUNTY REGISTER OF DEEDS OFFICE

4

PK NAIL FOUND
Y = 457978.125
X = 870413.845

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'

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5218371
03/03/2016 11:39 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.19
AMENDMENT NO:___

SEE TPP 1007-10-23-4.21

PI: 105+12.39'NN'
STA. 104+60.93'NN'
STA. 2299+51.14

N88°14'55"E, 248.06'
TRAV. PNT. TO R/W

S0°17'11"W, 1328.38'
MON TO TRAV. PNT.

1/16 LINE

TOWN

PT: 103+22.12'NN'
PI: 102+84.61'NN'
PC: 102+43.33'NN'
RL=N24°09'23"E

STA. 2291+75.26/
STA. 100+92.53'NN
Y = 456299.956
X = 870298.047

B-13-143
B-13-720 REQ'D.

N0°17'11"E, 399.92'
RL TO TRAV. PNT.

100'NN'
RL=N00°16'00"E

GEODETIC
MON.
DF9960

1/4 LINE

PT: 98+73.57'NN'
PC: 98+18.96'NN'
RL=N7°32'13"W
PI: 97+64.84'NN'

PI: 98+46.31'NN'
PT: 95+87.48'NN'

N88°38'01"E, 2603.95'
MON TO TAN.

N0°17'11"E, 928.46'
MON TO RL

PI: 95+46.12'NN'

PT: 92+02.04'NN'
N13°10'38"W, 108.58'
TRAV. PNT. TO PT

S13°10'38"E, 33.46'
TRAV. PNT. TO PI'

PI: 90+60.83'NN'

N88°38'01"E, 54.19'
TAN. TO MON

S88°38'01"W, 2.43'
R/W TO MON

PC: 95+00.03'NN'

95'NN'

STA. 2290+56.96

C-13-06
C-13-3081 REQ'D.

SEE TPP 1007-10-23-4.20

ALUMINUM MONUMENT FOUND
Y = 455258.022
X = 867743.174

N88°38'01"E, 2603.95'
MON TO TAN.

PT: 92+02.04'NN'

OF

SW-NE

I-39/90
RL=N64°56'19"W

EXISTING RL FOR PROJECT I-90-3(29)140

S822

2290

2280

2270

2260

2250

2240

2230

2220

2210

2200

2190

2180

2170

2160

2150

2140

2130

2120

2110

2100

2090

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2040

2030

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2010

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1200

1190

1180

1170

1160

1150

1140

1130

1120

1110

1100

1090

1080

1070

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1030

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1010

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10

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IP1980
IP1981
IP1982
IP1983
IP1984
IP1985
IP1986
IP1987
IP1988
IP1989
IP1990
IP1991

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

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'

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'

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	

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°28'50"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'

IP1989 IS N63°04'57"W, 0.48' FROM POINT 1904

IP1990 IS S10°44'44"W, 8.58' FROM POINT IP1991

TAN. RL N64°56'19"W, TRAV. PNT. TO PT

S0°06'25"W, 165.21' R/W TO TAN.

S0°06'25"W, 253.21' TAN. TO R/W

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

PT: 2278+37.87

IP1980 IS S8°45'18"W, 0.91' FROM POINT 1907

TAN. RL S64°56'19"E, TRAV. PNT. TO PI STA

1/16 LINE
STA. 2275+82.81

EXISTING AUXILIARY RL FOR PROJECT I-90-3(29)140

ALUMINUM MONUMENT FOUND
Y = 455385.412
X = 873084.307

SEE TPP 1007-10-23-4.17

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'

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.

66' ACCESS EASEMENT CSM 9958, V.58, P.76-80 DOC.3289746

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

C-13-54
C-13-3088 REQ'D.

C-13-06
C-13-3081 REQ'D.

S88°38'01"W, 2682.07'
MON TO R/W

RL=N13°02'03"W

1/4 LINE

STA. 90+94.17'NN'

NW-SE

PT: 111+35.08'EF'
PI: 111+23.48'EF'
PC: 111+11.78'EF'
RL=N00°19'02"E
PT: 110+40.08'EF'

PI: 109+56.29'EF'

PI: 108+61.47'EF'
PC: 108+02.19'EF'
RL=N47°54'58"E
PT: 107+18.40'EF'

PC: 106+23.58'EF'

RL=N00°19'02"E

PT: 104+90.11'EF'

STA.82+72.95'NN'=
STA.101+22.77'EF'
Y = 454504.894
X = 870365.353

PI: 103+98.08'EF'

PC: 102+37.34'EF'

PC: 101+86.00'EF'

PI: 85+12.60'NN'
PT: 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'

RL=N3°05'17"W

PC: 80+65.72'NN'
PI: 80+63.72'NN'
PT: 79+76.70'NN'
RL=N7°39'48"W

RL=N0°19'11"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 TO 1/4 LINE, 4.20'

1/4 LINE EXISTING R/W

TLE - TEMPORARY ROAD & GRADING 0.628 AC.

LOT 1 CSM 3700 V.15, P.128 DOC.1705344

BUILDING IS 45' FROM R/W
N0°17'11"E, 1322.11'
MON TO TRAV. PNT.

PK NAIL FOUND
Y = 452677.217
X = 870387.350

S88°33'53"W, 1.72'
R/W TO TRAV. PNT.

SEE TPP 1007-10-23-4.18

1/16 LINE
STA.77+55.36'NN'

PLEASANT SPRINGS

CALCULATED POSITION SURVEY BY GEORGE A. WEIR S-0843 (REV. 9/27/1971)
Y = 455321.403
X = 870400.566

N0°17'11"E, 1322.11'
TRAV. PNT. TO MON

CTH N

0.159 AC. REM.

0.045 AC. REM.

TLE - GRADING 0.056 AC.

TLE - GRADING 0.135 AC.

TLE - GRADING 0.553 AC.

TLE - TEMPORARY ROAD, DRIVEWAY & GRADING 0.543 AC.

TLE - TEMPORARY ROAD, DRIVEWAY & GRADING 0.016 AC.

TLE - GRADING 0.057 AC.

66' ACCESS EASEMENT CSM 9958, V.58, P.76-80 DOC.3289746

66' ACCESS EASEMENT DOC. 1934426 V.3534, P.551

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.

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 1007-10-23-4.19 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

2/29/2016
DATE

JAMES M. BAKER, AGENT OF OTIE
REGISTRATION NUMBER: S-2530

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

3/2/2016
DATE

DAVID R. MILLER

4

1007-10-23-4.19

FILE NAME : P:\2012026_IH 39\CIVIL\3DNRW\PLAT\1007102 3-040119_RP.DWG
PLAT DATE : 2/29/2016
APPRAISAL
PLOT DATE : 2/29/2016 2:49 PM
PLOT BY : OTIE
PLOT NAME : PLOT SCALE : **********

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.

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
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

RL=N0°16'00"E

B-13-143
B-13-720 REQ'D.

STA. 2291+75.26/
STA. 100+92.53'NN
Y = 456299.956
X = 870298.047

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

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

ALUMINUM MONUMENT FOUND
Y = 455385.412
X = 873084.307

S88°38'01"W, 2684.50' MON TO MON

S13°03'38"E, 23.46' TRAV. PNT. TO PT

PI: 90+60.93'NN

RL=N2°29'34"W

PC: 89+18.78'NN

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+44.07'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

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

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

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

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

1/16 LINE

LOCATION SKETCH NOT TO SCALE

END PROJECT
Deerfield
McFarland
CHRISTIANA
PLEASANT SPRINGS
Lake Kegonsa
Stoughton
SHEET LOCATION
BEGIN PROJECT
T-7-N T-6-N T-5-N
R-10-E R-11-E R-12-E

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 Orchard Tree 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

AMENDMENT NO: 1
1007-10-23-4.20
PLOT NAME : PLOT SCALE : 1.000000000000
PLOT BY : OTIE
PLOT DATE : 3/16/2016 2:01 PM
FILE NAME : P:\2012\2026_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

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.

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

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.20
AMENDMENT NO:_____

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'

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

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	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

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

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

SEE TPP 1007-10-23-4.21

SEE TPP 1007-10-23-4.19

TOWN OF

1/16 LINE

1/4 LINE

STA. 90+94.17'NN'

STA. 2299+51.14/STA. 104+60.93'NN'

STA. 2291+75.26/ STA. 100+92.53'NN'
Y = 456299.956
X = 870298.047

STA. 2290+56.96

STA.77+55.36'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

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 = 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

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: 95+87.48'NN'
PI: 95+46.12'NN'
PC: 95+00.03'NN'
PT: 92+02.04'NN'
PI: 90+60.83'NN'
PT: 85+12.60'NN'
PI: 84+78.33'NN'
PC: 84+44.01'NN'
PI: 83+71.85'NN'
PT: 82+17.99'NN'
PI: 81+76.21'NN'
PC: 81+29.53'NN'
PT: 79+76.70'NN'
PI: 79+21.06'NN'
PC: 78+65.24'NN'

RL=N24°09'23"E
RL=N64°56'18"W
RL=N0°16'00"E
RL=N7°32'13"W
RL=N13°05'35"E
RL=N15°09'49"W
RL=N16°05'15"E
RL=N3°05'17"W
RL=N7°39'48"W
RL=N0°19'11"E
RL=N2°29'34"W

I-39/90
CTH N
EXISTING RL FOR PROJECT I-90-3(29)140

B-13-143
B-13-720 REQ'D.
C-13-06
C-13-3081 REQ'D.

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
N88°38'01"E, 2535.35' MON TO R/W
N88°38'01"E, 54.19' TAN. TO MON
N88°38'01"E, 68.60' R/W TO TAN.
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
S0°17'11"W, 328.45' RL TO MON
S0°17'11"W, 1322.11' MON TO TRAV. PNT.
S0°17'11"W, 339.82' TRAV. PNT. TO RL
S0°17'11"W, 1328.38' MON TO TRAV. PNT.
N0°16'06"E, 52.07' R/W TO TRAV. PNT.
N0°19'11"E, 1322.11' MON TO TRAV. PNT.

PK NAIL FOUND
Y = 457978.125
X = 870413.845

ALUMINUM MONUMENT FOUND
Y = 455258.022
X = 867743.174

ALUMINUM MONUMENT FOUND
Y = 455385.412
X = 873084.307

PK NAIL FOUND
Y = 452677.217
X = 870387.350

GEODETIC MON. DF9960

CALCULATED POSITION SURVEY BY GEORGE A. WEIR, S-0843 (REV. 9/27/1971)
455321.403
Y = " 870400.566
X = "

LANDLOCKED 0.398 AC.
LANDLOCKED 1.537 AC.
LANDLOCKED 2.146 AC.

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

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 0.019 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.
0.028 AC. REM.

LOT 1 CSM 1192 V.67, P.242-245 DOC.3973924
LOT 2 CSM 1192 V.67, P.242-245 DOC.3973924
LOT 3 CSM 3667 V.15, P.69-70 DOC.1700857
LOT 2 CSM 3667 V.15, P.69-70 DOC.1700857

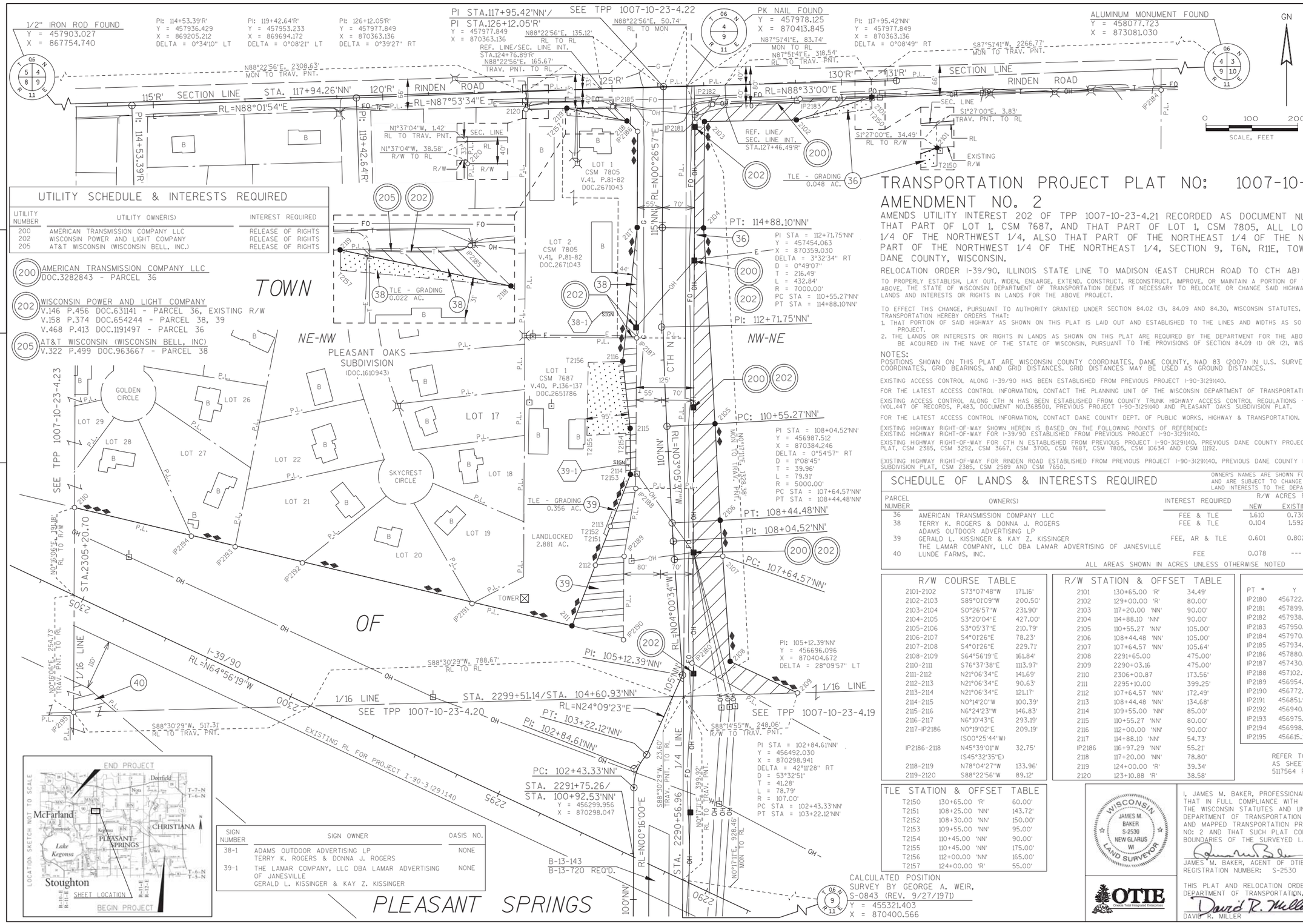
NE-SW
SE-NW

SCALE, FEET: 0 100 200

LOCATION SKETCH NOT TO SCALE
END PROJECT
BEGIN PROJECT
SHEET LOCATION
Deerfield
McFarland
CHRISTIANA
PLEASANT SPRINGS
Lake Kegonsa
Stoughton
Cambridge
T-7-N T-6-N T-6-N T-5-N
R-10-E R-11-E R-10-E R-11-E

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\1007103-040120_RP.DWG PLOT DATE : 1007-10-23-4.20
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


1/2" IRON ROD FOUND
Y = 457903.027
X = 867754.740
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: 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
SEE TPP 1007-10-23-4.22
PK NAIL FOUND
Y = 457978.125
X = 870413.845
ALUMINUM MONUMENT FOUND
Y = 458077.723
X = 873081.030
PI: 117+95.42'NN'
Y = 457977.849
X = 870363.136
DELTA = 0°08'49" RT
N88°22'56"E, 2308.63'
MON TO TRAV. PNT.
N88°22'56"E, 50.74'
RL TO MON
N88°22'56"E, 135.12'
RL TO RL
REF. LINE/SEC. LINE INT.
STA.124+76.89'R'
N88°22'56"E, 165.67'
TRAV. PNT. TO RL
N87°51'41"E, 83.74'
MON TO RL
N87°51'41"E, 318.54'
RL TO TRAV. PNT.
S87°51'41"W, 2266.77'
MON TO TRAV. PNT.
115'R' SECTION LINE STA. 117+94.26'NN' 120'R'
RINDEN ROAD
130'R' 131'R'
SECTION LINE
RINDEN ROAD
RL=N88°01'54"E
RL=N87°53'34"E
RL=N88°33'00"E
PI: 114+53.39'R'
PI: 119+42.64'R'
N1°37'04"W, 1.42'
RL TO TRAV. PNT.
N1°37'04"W, 38.58'
R/W TO RL
SEC. LINE
R/W
S1°27'00"E, 3.83'
TRAV. PNT. TO RL
S1°27'00"E, 34.49'
RL TO R/W
SEC. LINE
RL
EXISTING R/W
REF. LINE/ SEC. LINE INT.
STA.127+46.49'R'
TLE - GRADING
0.048 AC.
0 100 200
SCALE, FEET
LOT 1
CSM 7805
V.41, P.81-82
DOC.2671043
LOT 2
CSM 7805
V.41, P.81-82
DOC.2671043
LOT 1
CSM 7687
V.40, P.136-137
DOC.2651786
PT: 114+88.10'NN'
PI STA = 112+71.75'NN'
Y = 457454.063
X = 870359.030
DELTA = 3°32'34" RT
D = 0°49'07"
T = 216.49'
L = 432.84'
R = 7000.00'
PC STA = 110+55.27'NN'
PT STA = 114+88.10'NN'
PI: 112+71.75'NN'
NE-NW
NW-NE
PC: 110+55.27'NN'
PI STA = 108+04.52'NN'
Y = 456987.512
X = 870384.246
DELTA = 0°54'57" RT
D = 1°08'45"
T = 39.96'
L = 79.91'
R = 5000.00'
PC STA = 107+64.57'NN'
PT STA = 108+44.48'NN'
PT: 108+44.48'NN'
PI: 108+04.52'NN'
PC: 107+64.57'NN'
PI: 105+12.39'NN'
Y = 456696.096
X = 870404.672
DELTA = 28°09'57" LT
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'
PT: 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
SEE TPP 1007-10-23-4.19
SEE TPP 1007-10-23-4.23
SEE TPP 1007-10-23-4.20
STA.2305+20.70
STA. 2299+51.14/STA. 104+60.93'NN'
STA. 2290+56.96
1/16 LINE
1/4 LINE
I-39/90
RL=N64°56'19"W
RL=N24°09'23"E
RL=N00°16'00"E
RL=N04°00'34"W
RL=N00°26'57"E
N0°16'06"E, 191.18'
RL TO R/W
N0°16'06"E, 264.73'
TRAV. PNT. TO RL
S88°30'29"W, 517.31'
RL TO TRAV. PNT.
S88°30'29"W, 788.67'
RL TO RL
S88°30'29"W, 23.60'
TRAV. PNT. TO RL
S88°14'55"W, 248.06'
R/W TO TRAV. PNT.
N0°17'11"E, 399.92'
RL TO TRAV. PNT.
N0°17'11"E, 928.46'
MON TO RL
N0°17'11"E, 1338.38'
MON TO TRAV. PNT.
B-13-143
B-13-720 REQ'D.
EXISTING RL FOR PROJECT I-90-3 (29)140
TOWN OF PLEASANT SPRINGS
NE-NW
PLEASANT OAKS SUBDIVISION
(DOC.1610943)
GOLDEN CIRCLE
SKYCREST CIRCLE
LOT 17
LOT 18
LOT 19
LOT 20
LOT 21
LOT 22
LOT 26
LOT 27
LOT 28
LOT 29
LANDLOCKED
2.881 AC.
TOWER
TLE - GRADING
0.022 AC.
TLE - GRADING
0.356 AC.
SIGN
38-1
39-1
CTH N
OH
FO
P.L.
T
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G
IP2180
IP2181
IP2182
IP2183
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IP2185
IP2186
IP2187
IP2188
IP2189
IP2190
IP2191
IP2192
IP2193
IP2194
IP2195
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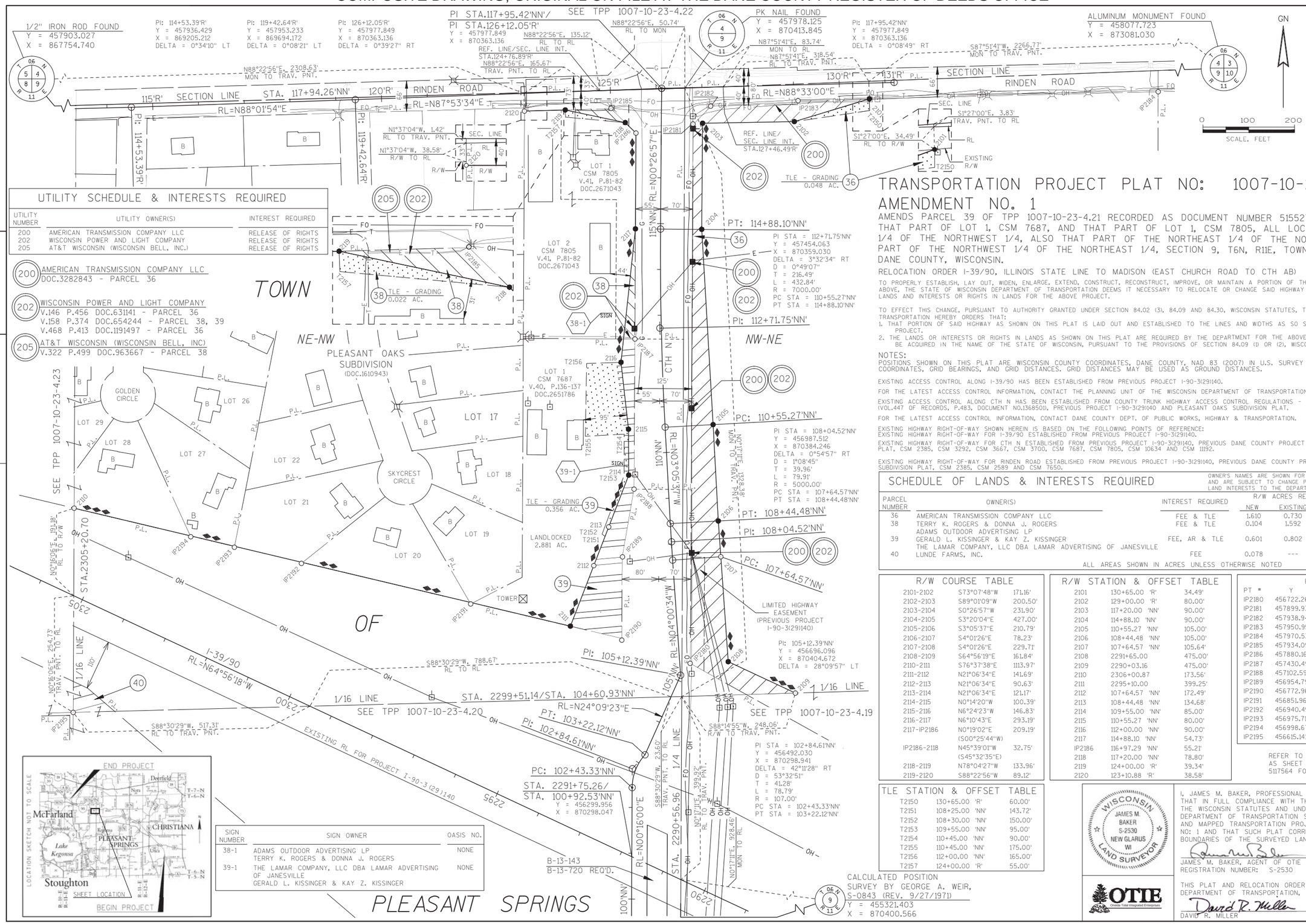
T2343
T2344

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
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

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.

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.

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

PLEASANT SPRINGS

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.

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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

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'

CALCULATED POSITION
SURVEY BY GEORGE A. WEIR,
S-0843 (REV. 9/27/1971)
Y = 455321.403
X = 870400.566

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

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.

5/21/2015
JAMES M. BAKER, AGENT OF OTIE — DATE
REGISTRATION NUMBER: S-2530

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

OTIE Orvella Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

5/28/2015
DAVID R. MILLER — 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

4

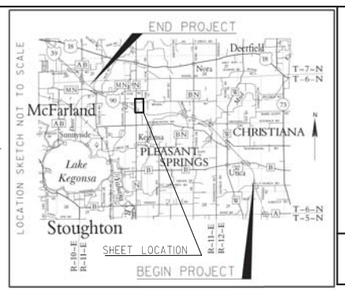
TRANSPORTATION PROJECT PLAT NO: 1007-10-23 - 4.23
AMENDMENT NO. 1

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

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

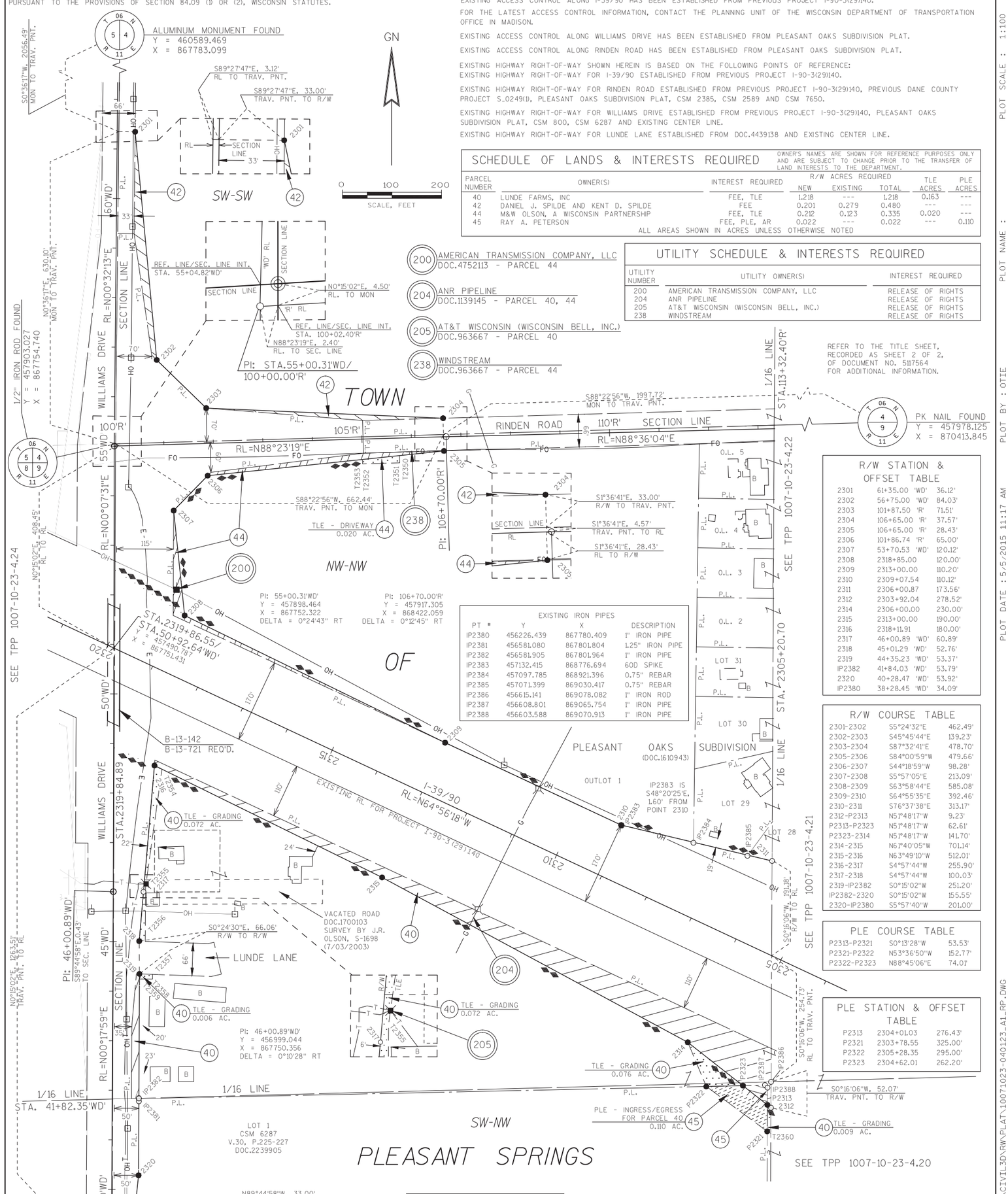
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

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_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

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.23
AMENDMENT NO:

1007-10-23-4.23

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\1007102 3-040123_RP.DWG

APPRAISAL PLAT DATE : 12/22/2014

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

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'

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 1007-10-23-4.23 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

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

OTIE Orvedra 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

LOCATION SKETCH NOT TO SCALE

END PROJECT

SHEET LOCATION

BEGIN PROJECT

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

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.24
AMENDMENT NO:

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

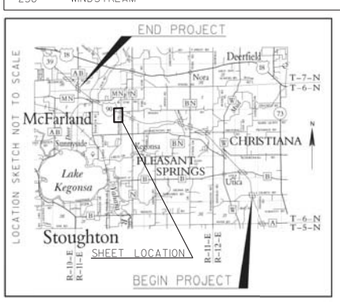
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

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 — 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

OTIE — Omnia Total Integrated Enterprises

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5117564 FOR ADDITIONAL INFORMATION.

4

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

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

TOWN 06 N R 11 E

NE-SW

SW-SE

SE-SW

PLEASANT SPRINGS T 6 N R 11 E

SEE TPP 1007-10-23-4.26

STA. 2363+38.92

STA. 2361+23.09

STA. 2349+65.10

STA. 2334+88.79

1/16 LINE

1/4 LINE

N1°19'57"E, 162.15' R/W TO R/W

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' RL TO R/W

RL=N67°31'13"W

EXISTING RL FOR PROJECT I-90-3(29)140

RL=N64°56'19"W

I-39/90

REF. LINE/1/4 LINE INT.
STA. 2349+65.10

PT: 2347+68.35

PI: 2342+05.18

PC: 2336+41.82

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

SECTION LINE — S88°41'15"E, 2559.96' MON TO MON

SECTION LINE — S88°35'16"W, 2738.18' MON TO MON

P.L.

OH

2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517

2350 2355 2360 2345 2340 2335

275' 315' 440' 100' 215'

B E

63

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	---	---

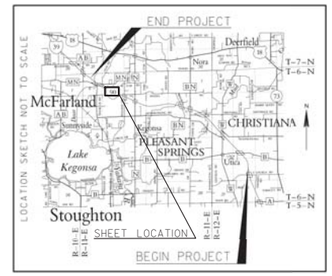
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

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'



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.

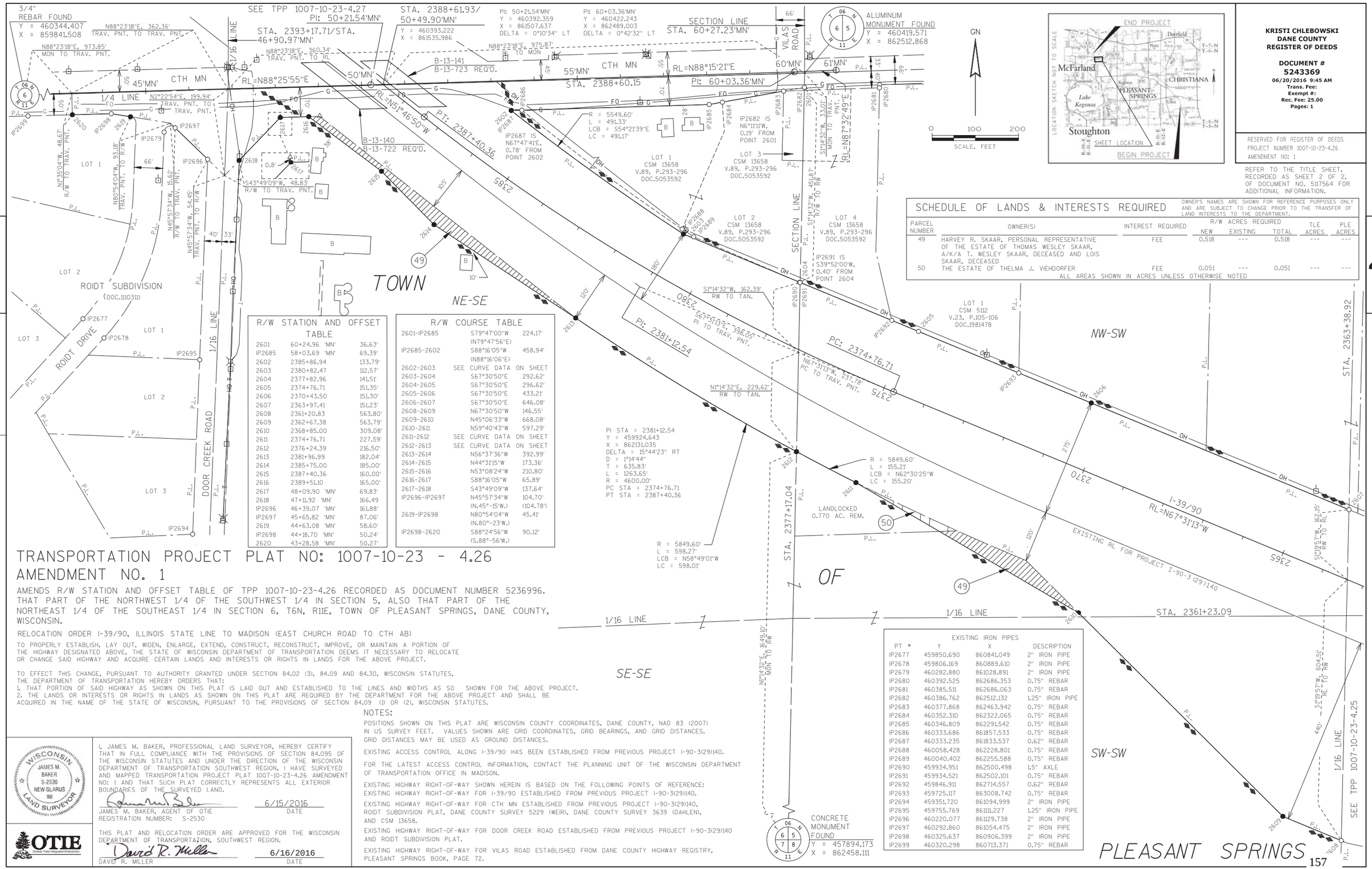
DAVID R. MILLER — 5/17/2016 DATE

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'

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

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

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

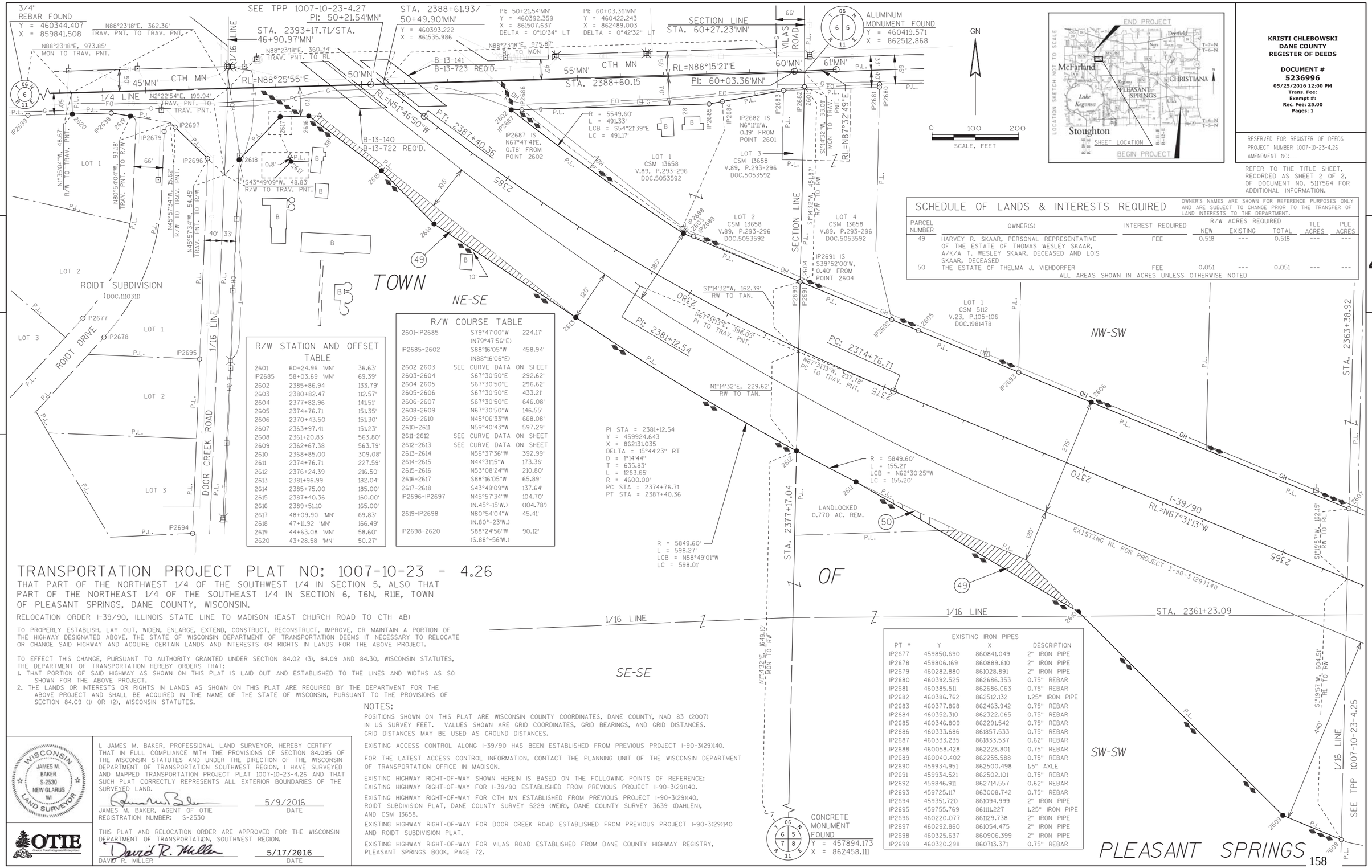
DOCUMENT #
5243369
06/20/2016 9:45 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

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.

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.

PLEASANT SPRINGS

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 : **********

1007-10-23-4.26

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 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'

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 : **********

1007-10-23-4.27 AMENDMENT NO: 1

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.

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'

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

PI: 50+21.54'MN'
Y = 460392.359
X = 861507.637
DELTA = 0°10'34" LT

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.

LOCATION SKETCH NOT TO SCALE

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

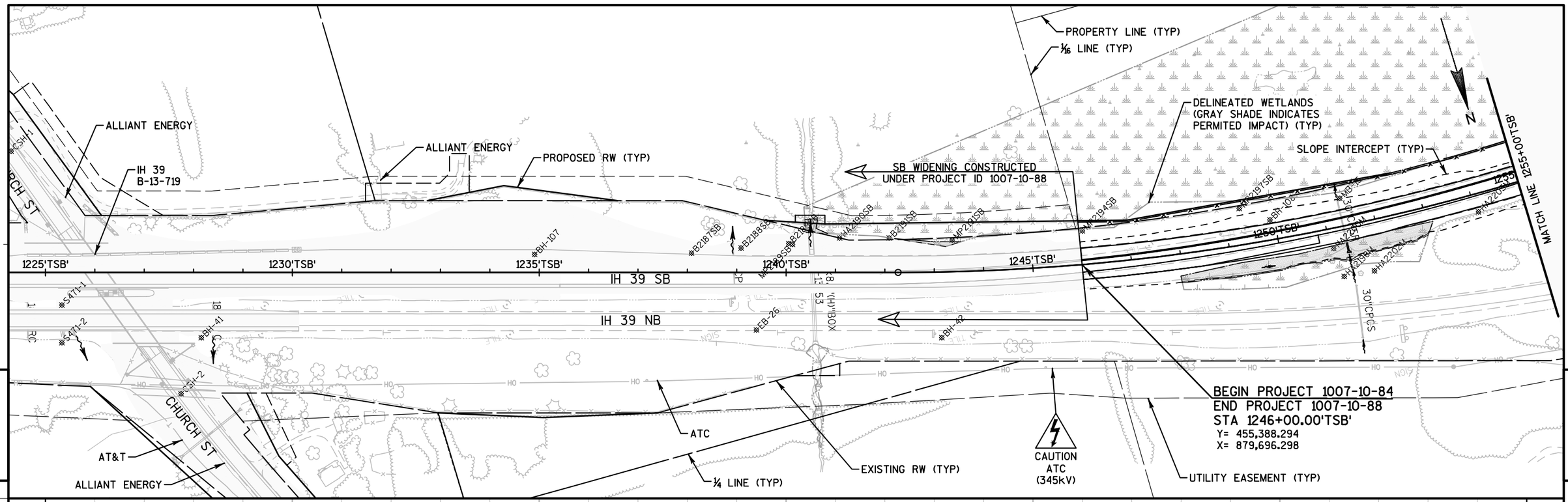
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHWEST REGION.

DAVID R. MILLER

5/17/2016
D

1007-10-23-4.27

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 : **********

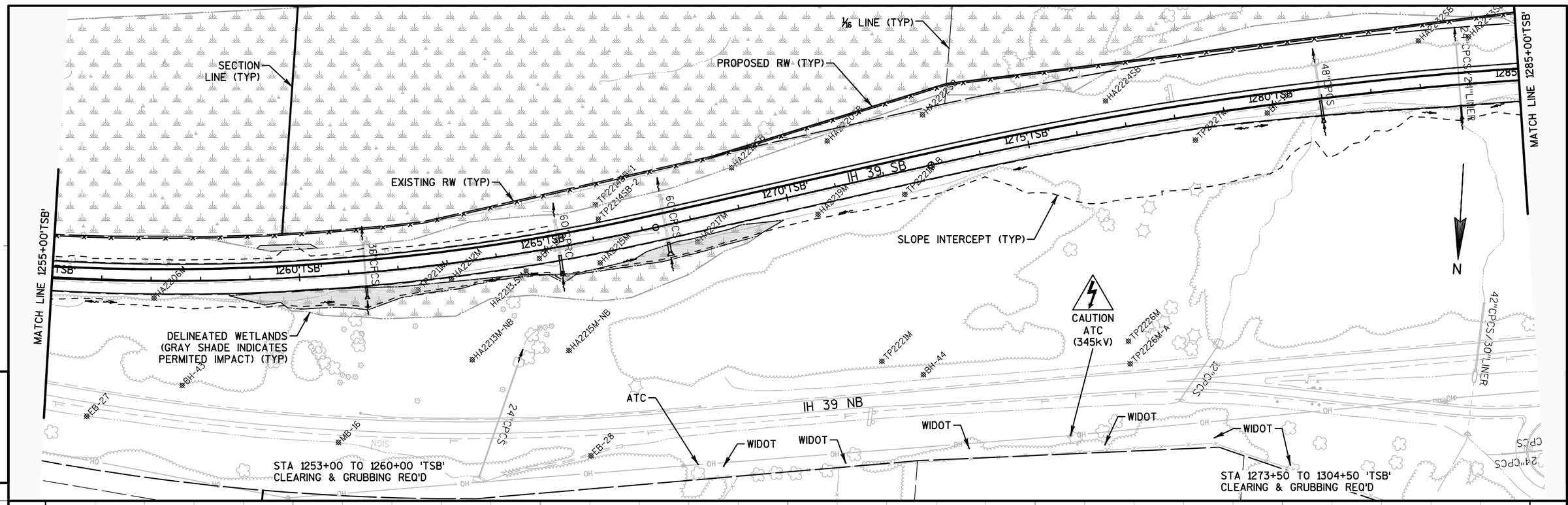


PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET	E

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (P&P TSB).DWG PLOT DATE : 3/2/2017 12:06 PM PLOT BY : SEH INC LAYOUT NAME : 050101_pp PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET	E

FILE NAME : 050100_PP (P&P TSB).DWG PLOT DATE : 3/2/2017 12:07 PM PLOT BY : SEH INC LAYOUT NAME : 050102_pp PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 05 PLAN & PROFILE

MATCH LINE 1285+00'TSB'

PROPOSED RW (TYP)

1/16 LINE (TYP)

EXISTING RW (TYP)

SECTION LINE (TYP)

SB WIDENING WORK BY OTHERS
CONSTRUCTED UNDER PROJECT ID
1007-10-86

N

DELINEATED WETLANDS
(GRAY SHADE INDICATES
PERMITED IMPACT) (TYP)

IH 39 SB

END CONSTRUCTION
STA 1308+26.12'TSB'

SLOPE INTERCEPT (TYP)

CAUTION
ATC
(345kV)

IH 39 NB

ATC

WIDOT

AT&T

1/4 LINE (TYP)

UTILITY EASEMENT (TYP)

STA 1273+50 TO 1304+50 'TSB'
CLEARING & GRUBBING REQ'D

ESTIMATED ROCK
SURFACE AT R

EXISTING GROUND

STA 1303+64 'TSB'
EXTEND EXISTING 30" CPCS
1-30"X8' CPCS REQ'D RT
1-30" AECPS REQ'D RT

STA 1300+11 'TSB'
EXTEND EXISTING 24" CPCS
1-24"X18' CPCS REQ'D RT
1-24" AECPS REQ'D RT

STA 1294+18 'TSB'
EXTEND EXISTING 30" CPCS
1-30"X22' CPCS REQ'D RT
1-30" AECPS REQ'D RT

STA 1286+95 'TSB'
EXTEND EXISTING 24" CPCS
1-24"X28' CPCS REQ'D RT
1-24" AECPS REQ'D RT

STA 1289+37 'TSB'
EXTEND EXISTING 30" CPCS
1-30"X24' CPCS REQ'D RT
1-30" AECPS REQ'D RT

SB EXISTING PROFILE
ELEV AT REF LINE

894.84	894.59	894.59	894.87	895.39	896.18	897.32	898.70	900.33	902.22	904.34	906.69	909.11	911.50	913.88	916.26	918.66	921.07	923.28	925.14	926.75	928.04	929.06	929.74	930.06	930.13	929.81	929.18	928.32	927.08	925.53
1285'TSB'					1290'TSB'					1295'TSB'					1300'TSB'					1305'TSB'					1310'TSB'				1315'TSB'

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET	E

FILE SAVE PATH: P:\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 05 PLAN & PROFILE
FILE NAME : 050100_PP (P&P TSB).DWG
PLOT DATE : 3/2/2017 12:07 PM
PLOT BY : SEH INC
LAYOUT NAME : 050103_pp
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 44

PROPERTY LINE (TYP)

1/16 LINE (TYP)

TLE (TYP)

PLE (TYP)

PROPOSED RW (TYP)

DELINEATED WETLANDS (TYP)

CAUTION

SB WIDENING WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-86

AT&T

BEGIN CONSTRUCTION STA 1369+29.89'TSB'

ALLIANT

WILLIAMS DR

SLOPE INTERCEPT (TYP)

MATCH LINE 1375+00'TSB'

SB EXIT RAMP

IH 39 SB

IH 39 NB

NB ENTRANCE RAMP

EXISTING RW (TYP)

CTH N

ATC

TRANSCANADA 16" STEEL

CAUTION ATC (345kV)

WINDSTREAM

WILLIAMS DR

1345'TSB' 1350'TSB' 1355'TSB' 1360'TSB' 1365'TSB' 1370'TSB' 1375'TSB'

910 900 890 880 870 860 850 840

EXISTING GROUND

SB EXISTING PROFILE ELEV AT REF LINE

1345'TSB'	1350'TSB'	1355'TSB'	1360'TSB'	1365'TSB'	1370'TSB'	1375'TSB'
887.48	888.05	888.64	889.24	889.66	889.85	889.77
889.43	888.79	888.23	887.27	886.05	884.76	883.46
882.23	880.98	879.73	878.52	877.36	876.36	875.52
874.69	873.88	873.25	872.64	872.22	871.85	871.52
871.23	870.98	870.72				

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET E

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (P&P TSB).DWG PLOT DATE : 3/2/2017 12:09 PM PLOT BY : SEH INC LAYOUT NAME : 050105_pp PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44

STA 1382+00 TO 1386+00 'TSB'
CLEARING & GRUBBING REQ'D

SECTION LINE (TYP)

¼ LINE (TYP)

N

MATCH LINE 1375+00'TSB'

MATCH LINE 1405+00'TSB'

PROPOSED RW (TYP)

PLE

C-13-3089
STG 1

EXISTING RW (TYP)

SLOPE INTERCEPT (TYP)

WIDOT

#TP2351JC

#B2353SB

1405

1400'TSB'

1395'TSB'

1390'TSB'

1385'TSB'

1380'TSB'

TSB'

IH 39 SB

IH 39 NB

#HA2325SB

#HA2326SB

#HA2328SB-2*

#HA2329SB

#HA2331SB-1

#HA2331SB-2*

#HA2333SB-1

#HA2333SB-2

#MP2334SB

#BH-117

#B2353NB

#B2339N

#BH-118

#TP2349N

#HA2325NB

#BH-51

#HA2328NB-2*

#HA2329NB

#HA2328NB-1*

#HA2333NB-2*

#HA2333NB-1*

#HA2333NB

#BH-52

#TP2350NB

C-13-52
C-13-3089 STG 1
TWIN 8'X8' X 42' CPCS

OH

ATC

CAUTION
ATC
(345kV)

DELINEATED WETLANDS
(GRAY SHADE INDICATES
PERMITED IMPACT) (TYP)

1/16 LINE (TYP)

PROPERTY LINE (TYP)

5

5

910
900
890
880
870
860
850
840

EXISTING GROUND

STA 1379+36 'TSB'
EXTEND EXISTING 18" CPCS
1-18"X18' CPCS REQ'D LT
1-18" AECPS REQ'D LT

STA 1381+85'TSB'
PROPOSED BOX CULVERT
C-13-3089 STG 1
TWIN 8'X8' X 42' REQ'D

STA 1390+37 'TSB'
EXTEND EXISTING 36" CPCS
1-36"X18' CPCS REQ'D LT
1-36"X14' CPCS REQ'D RT
2-36" AECPS REQ'D

SB EXISTING PROFILE
ELEV AT REF LINE

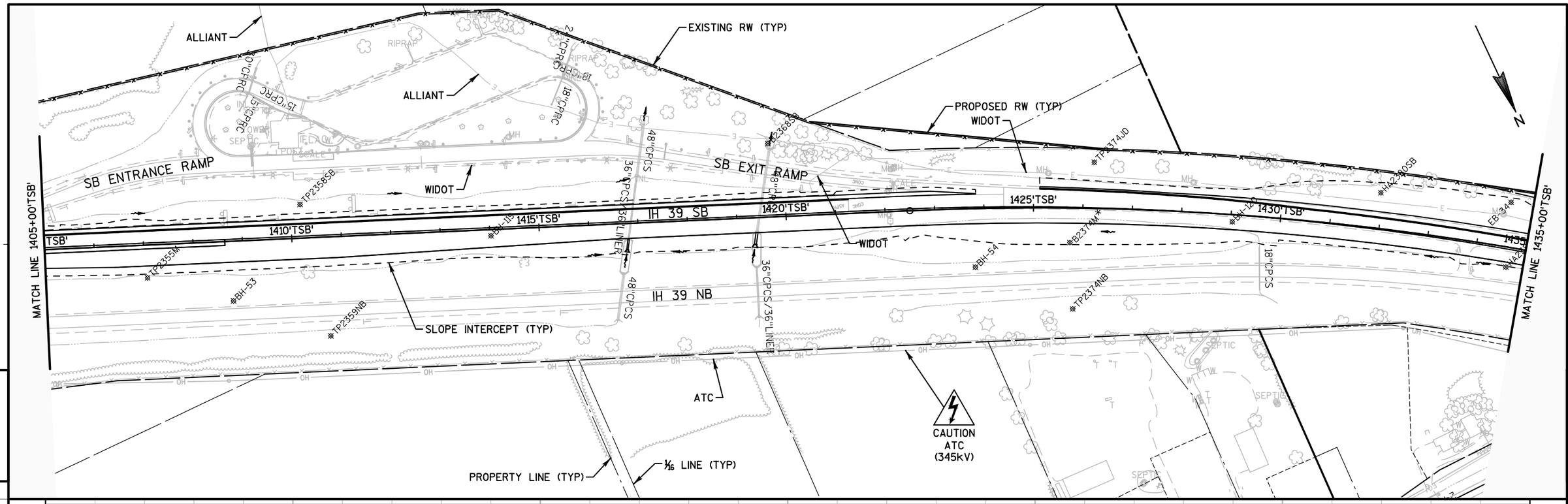
870.72	870.46	870.21	869.96	869.73	869.71	869.90	870.31	870.89	871.67	872.73	873.89	875.25	876.84	878.54	880.29	882.08	883.87	885.61	887.34	889.11	890.74	892.15	893.40	894.50	895.40	896.04	896.52	896.81	896.85	896.68
1375'TSB'				1380'TSB'						1385'TSB'					1390'TSB'					1395'TSB'					1400'TSB'				1405'TSB'

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET	E

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I084\SEC 05 PLAN & PROFILE

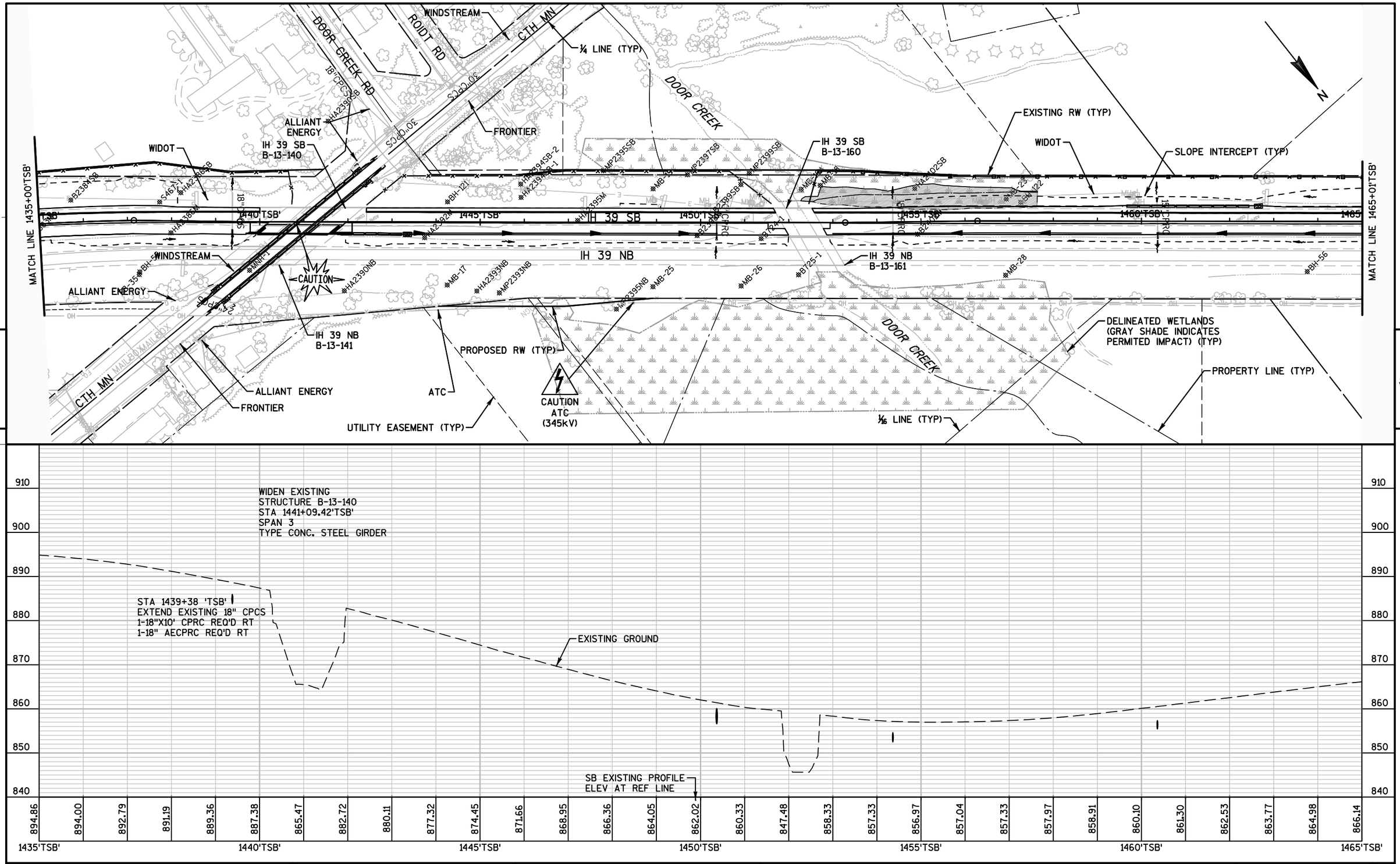
FILE NAME : 050100_PP (P&P TSB).DWG PLOT DATE : 3/2/2017 12:09 PM PLOT BY : SEH INC LAYOUT NAME : 050106_pp PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET	E

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I084\SEC 05 PLAN & PROFILE
FILE NAME : 050100_PP (P&P TSB).DWG
PLOT DATE : 3/2/2017 12:10 PM
PLOT BY : SEH INC
LAYOUT NAME : 050107_pp
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET 167 E

1/16 LINE (TYP)

CAUTION ATC (345kV)

CTH AB

SLOPE INTERCEPT (TYP)

EXISTING RW (TYP)

MATCH LINE 1465+01'TSB'

#BH-123

1470'TSB'

1475'TSB'

IH 39 SB

1480'TSB'

1485'TSB'

1487'TSB'

#ABH-1

#B726-3

#R262-1

#B726-2

30"CPCS

18"CPRC

#HA-SG-1

#TP-SG-1

#R263-1

#B726-1

#ABH-12

36"CPCS

30"CPCS

24"CPCS/24"LINER

#NH-57

IH 39 NB

ATC

CAUTION ATC (345kV)

SECTION LINE (TYP)

END PROJECT 1007-10-84
STA 1484+30.00'TSB'

PROPERTY LINE (TYP)

1/4 LINE (TYP)

TOWER

N

5

5

910
900
890
880
870
860
850
840

EXISTING GROUND

STA 1470+38 'TSB'
EXTEND EXISTING 30" SSPRC
1-30"X4' SSPRC REQ'D LT
1-30" AECPS REQ'D LT

SB EXISTING PROFILE ELEV AT REF LINE

866.14	867.22	868.20	869.08	869.88	870.55	871.13	871.59	871.93	872.19	872.39	872.59	872.79	872.98	873.20	873.41	873.60	873.78	873.95	874.17	874.39

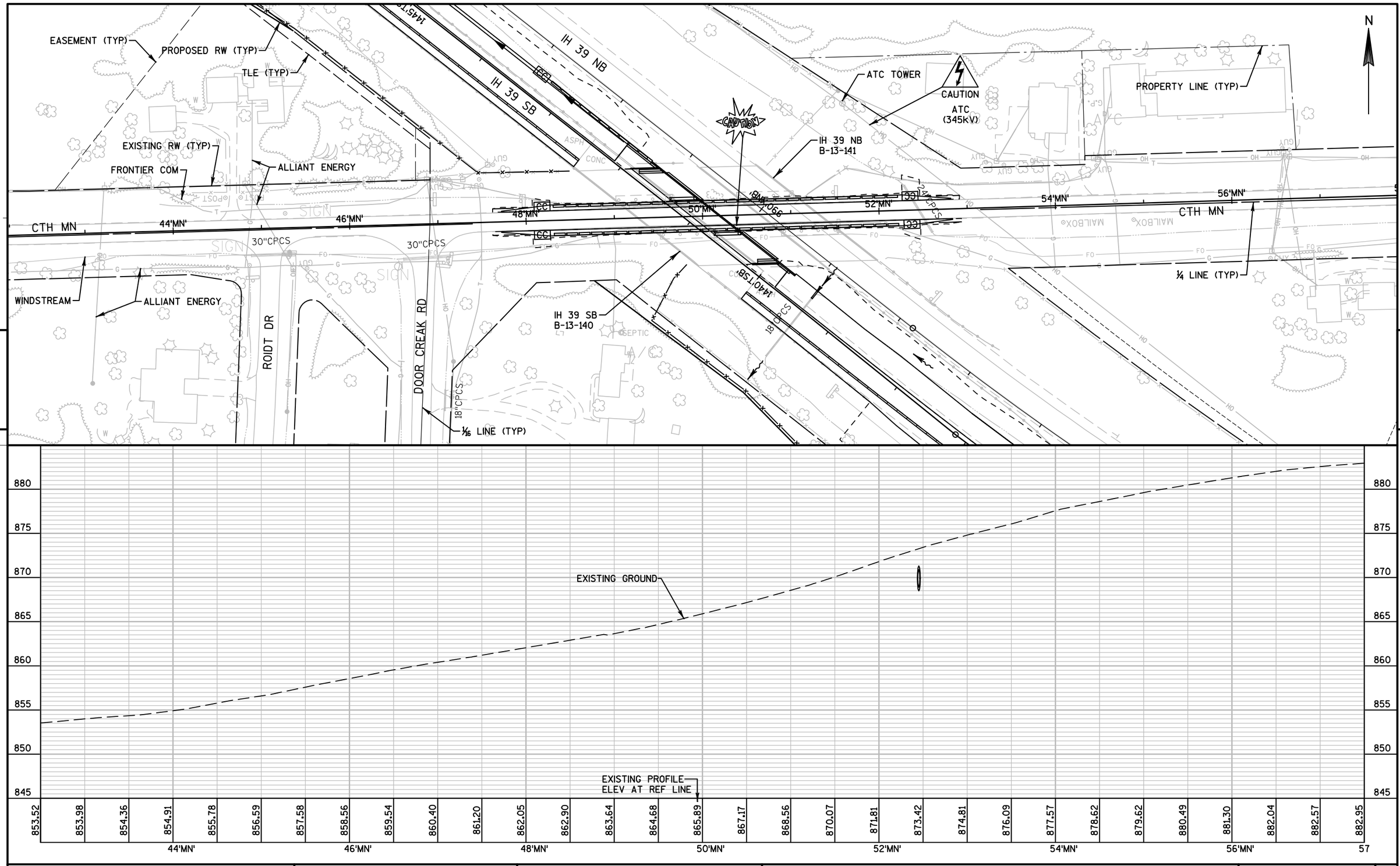
1465'TSB' 1470'TSB' 1475'TSB' 1480'TSB' 1485'TSB' 1490'TSB' 1495'TSB'

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET	E

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (P&P TSB).DWG PLOT DATE : 3/2/2017 12:11 PM PLOT BY : SEH INC LAYOUT NAME : 050109_pp PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44

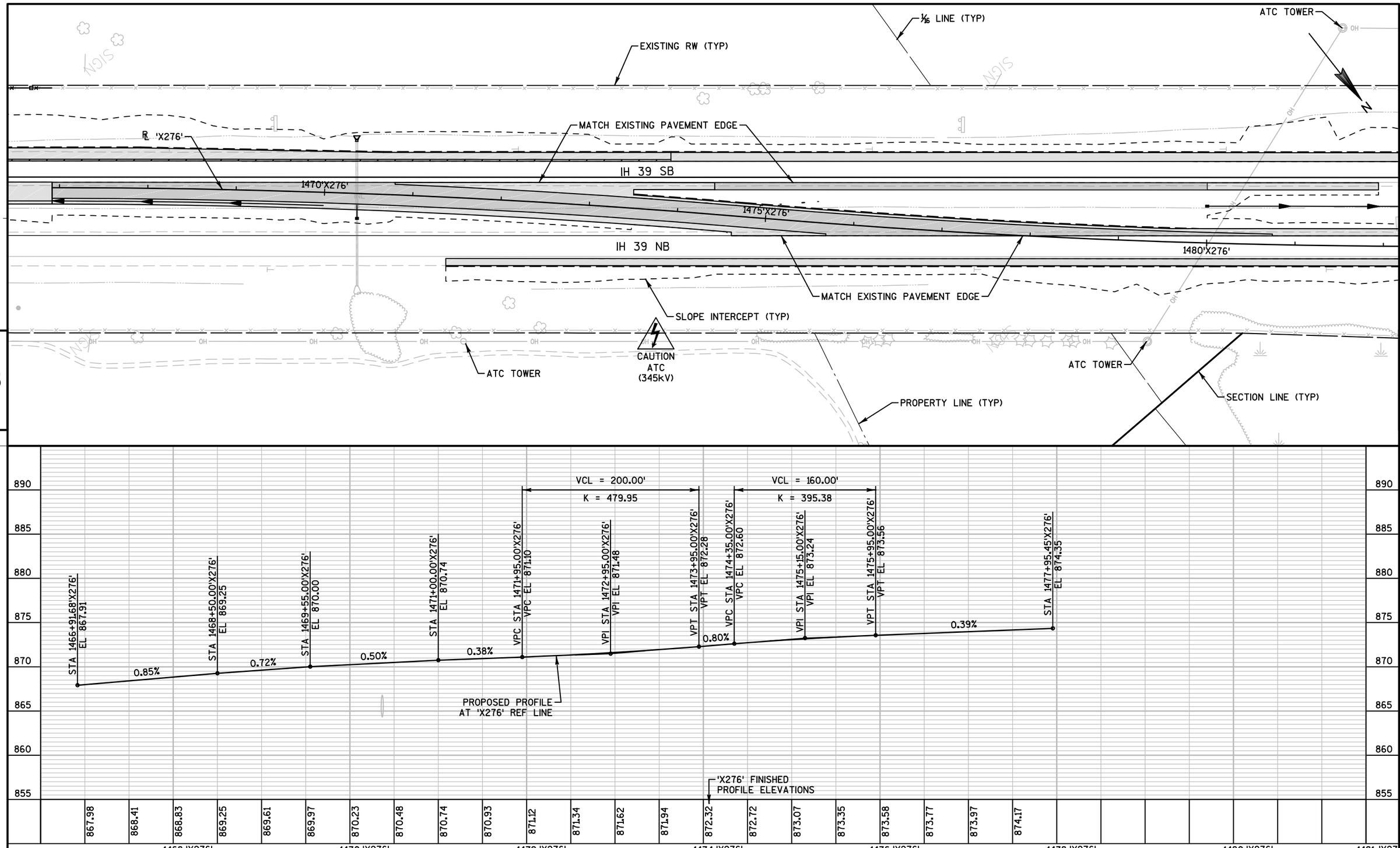


PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: CTH MN	SHEET	E

FILE NAME : 050100_PP (MN).DWG PLOT DATE : 1/31/2017 10:30 PM PLOT BY : SEH INC LAYOUT NAME : 01 (MN) 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\1007108\SEC 05 PLAN & PROFILE



5

5

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 05 PLAN & PROFILE

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 NORTHBOUND 2 LANE CROSSOVER	SHEET	E

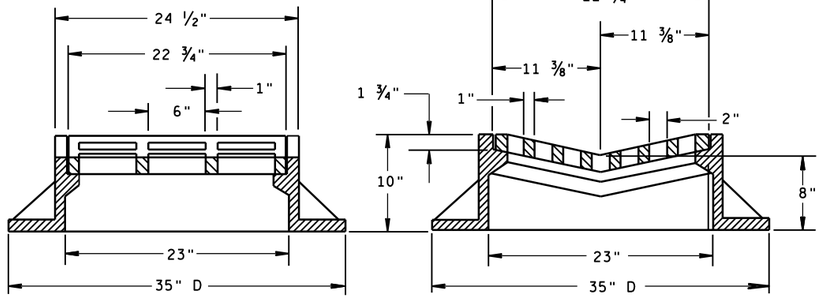
FILE NAME : 050100_PP (TRAF CNTRL P&P X-OVERS).DWG PLOT DATE : 1/31/2017 10:31 PM PLOT BY : SEH LAYOUT NAME : 050102_pp PLOT SCALE : 1 IN = 100.0 FT

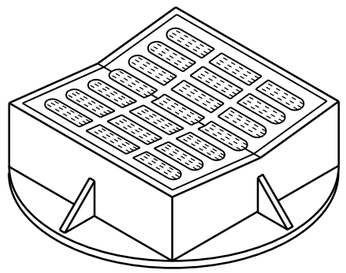
WISDOT/CADDS SHEET 44

Standard Detail Drawing List

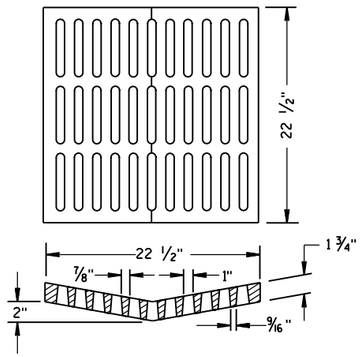
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-19	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D13-01	SLOTTED CORRUGATED METAL PIPE SURFACE DRAINS
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
08F08-02	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS
12A03-10	NAME PLATE (STRUCTURES)
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
13C18-05C	CONCRETE PAVEMENT JOINT TYPES
14B07-14A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14H	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
15A02-09	DELINEATOR POST, DELINEATOR REFLECTOR AND DELINEATOR BRACKET 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
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-17A	LONGITUDINAL MARKING (MAINLINE)
15C31-02A	PAVEMENT MARKING (RAMPS AND GORES)
15D15-02	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

6



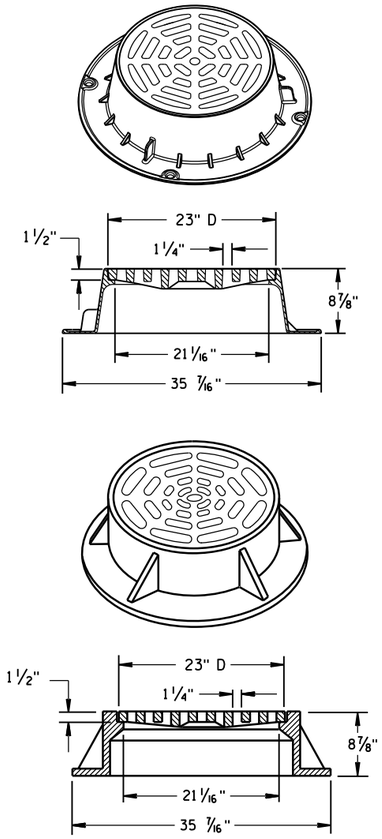


TYPE "B"



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"

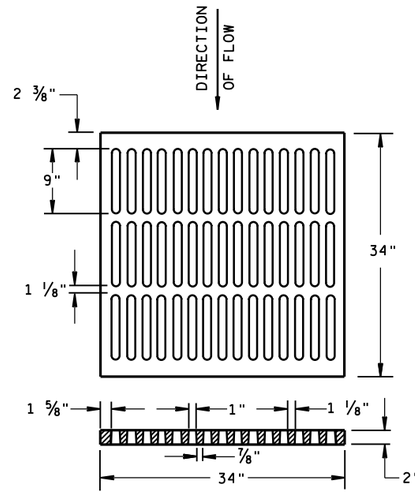
NOTE: EITHER CASTING IS ACCEPTABLE

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.

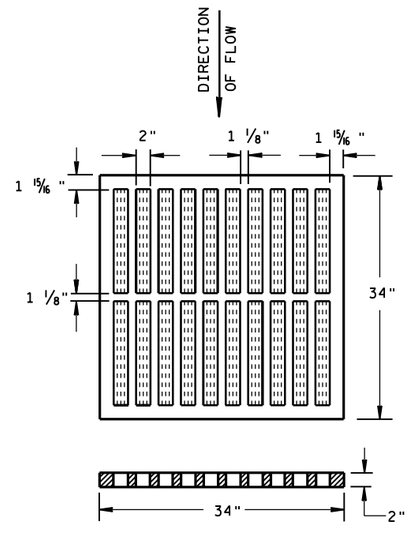
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



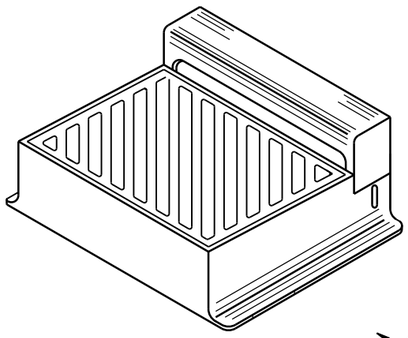
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

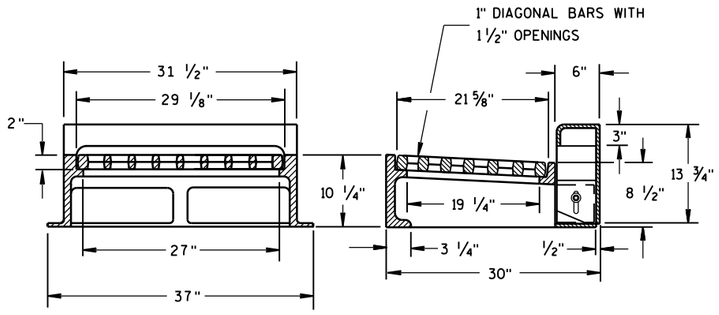


TYPE "MS"

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"

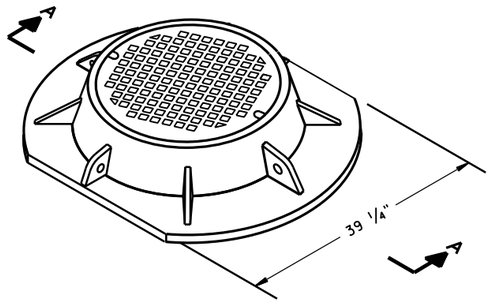
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

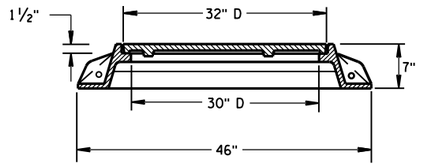
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

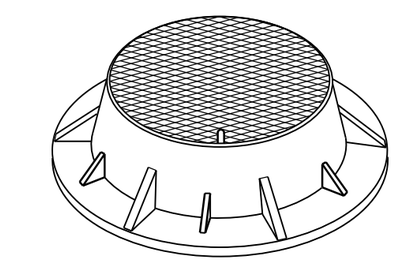
6

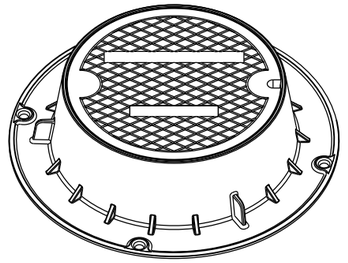
S.D.D. 8 A 5-19b

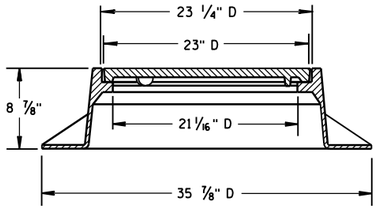


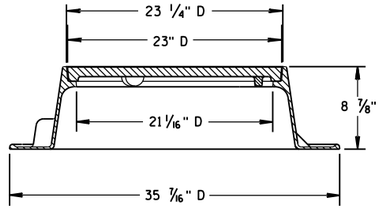


SECTION A-A
TYPE "K"









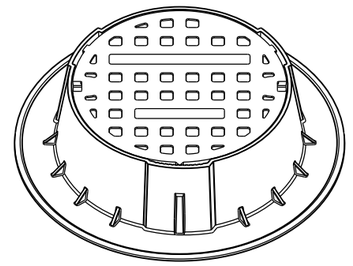
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

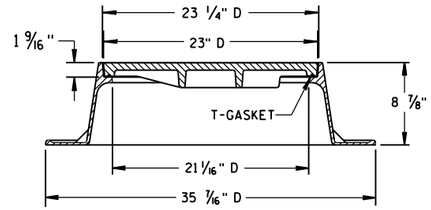
GENERAL NOTES

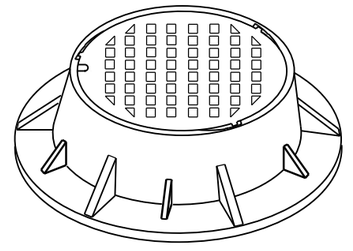
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

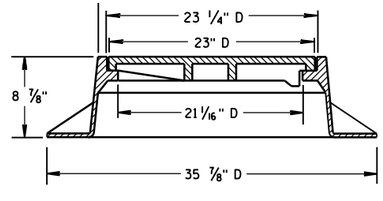
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

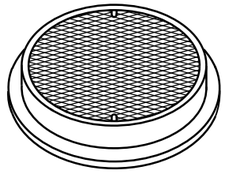


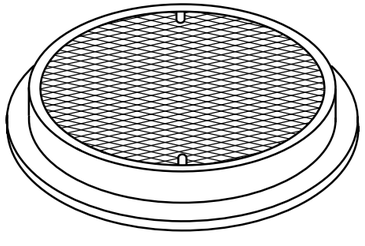


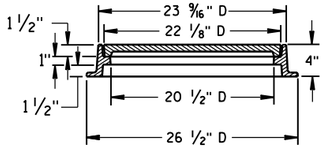




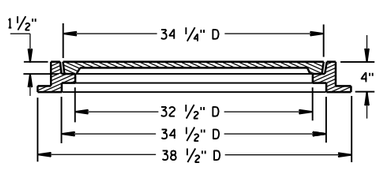
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



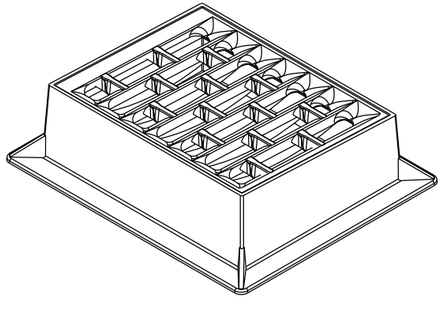


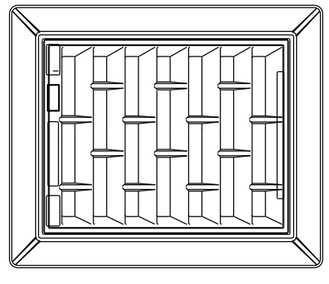


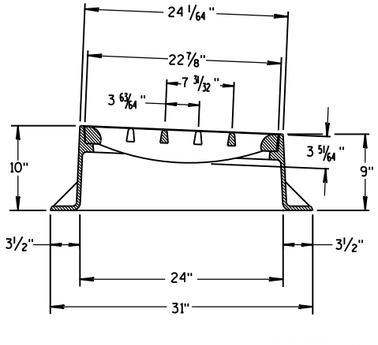
TYPE "L"

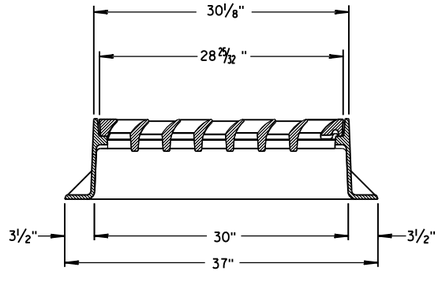


TYPE "M"









INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

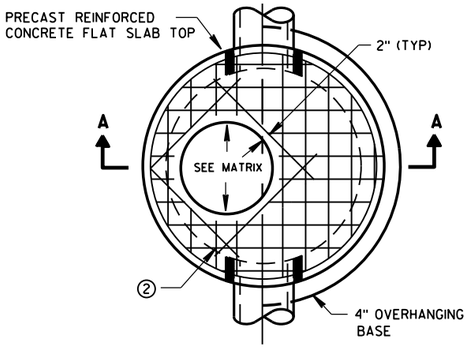
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

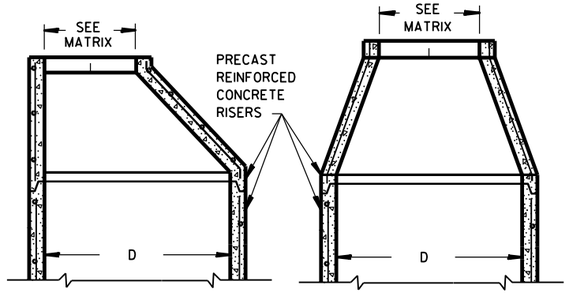
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

S.D.D. 8 A 5-19d

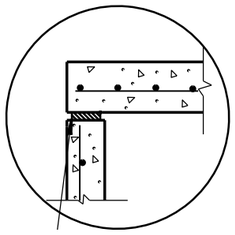


PLAN VIEW CIRCULAR OPENING

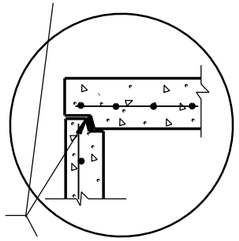


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

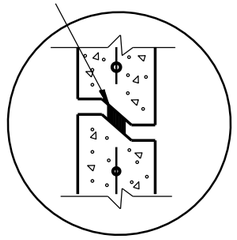


TOP WITH PLAIN END JOINT



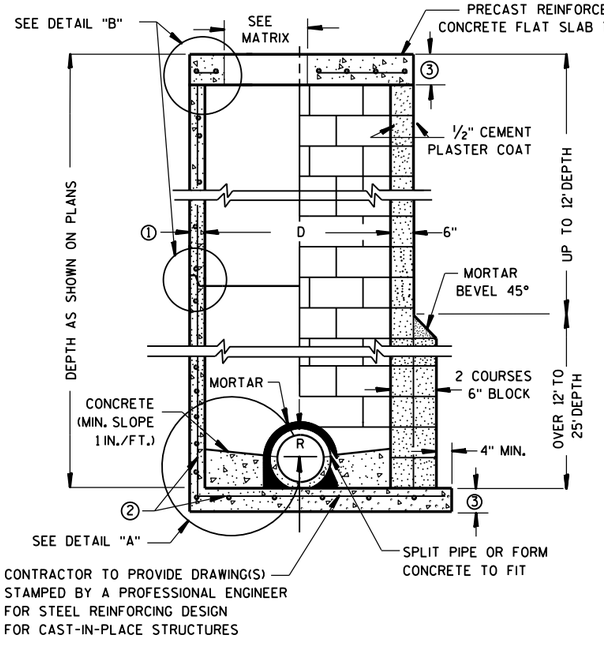
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



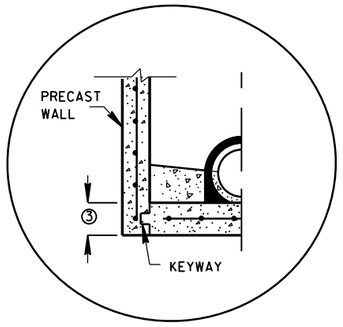
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

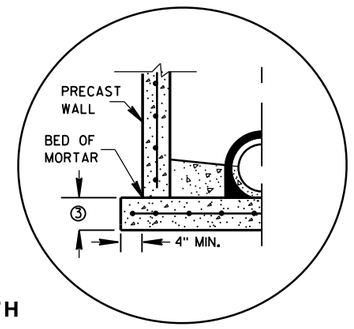


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

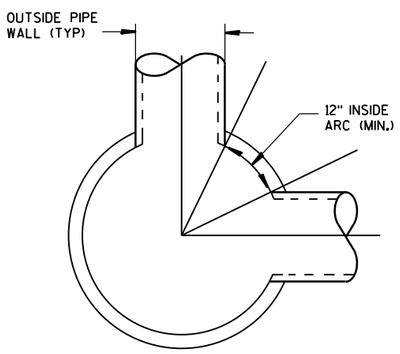


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

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 MANHOLE 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.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

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 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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Sept., 2016
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
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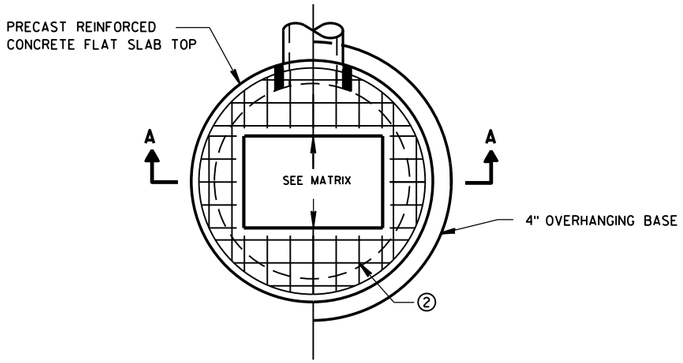
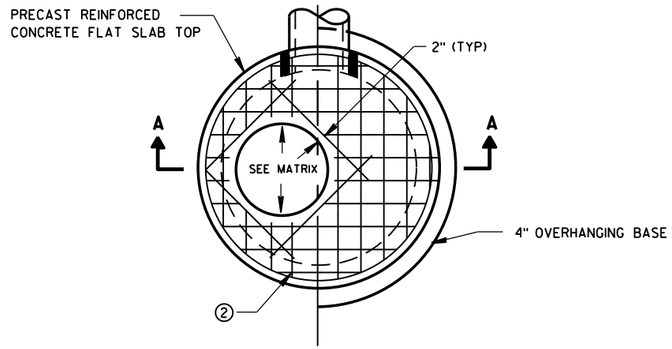
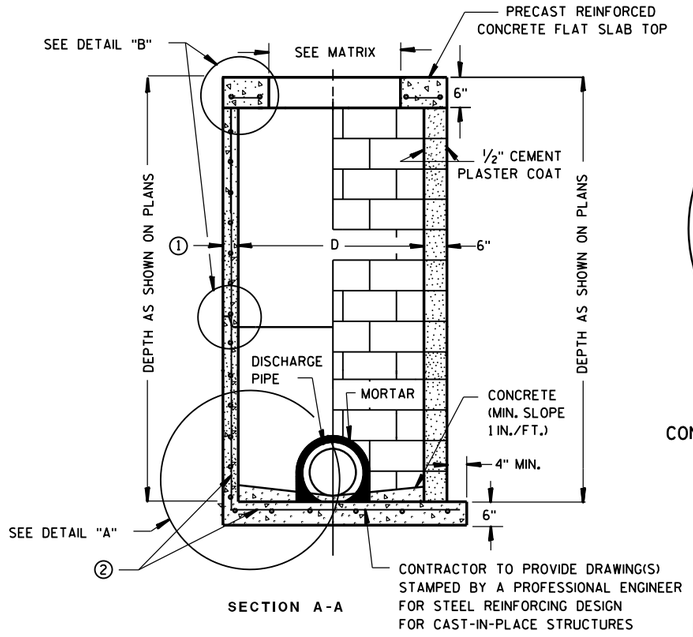


PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

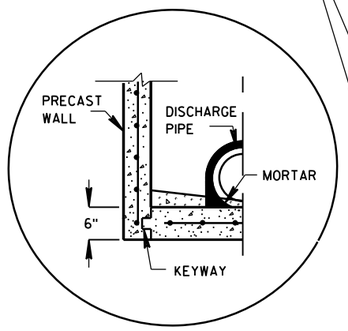


SECTION A-A

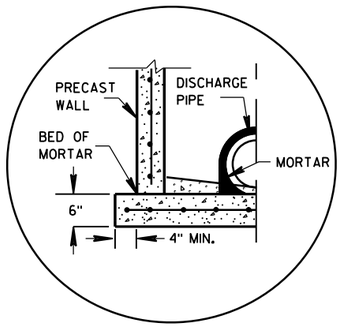
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

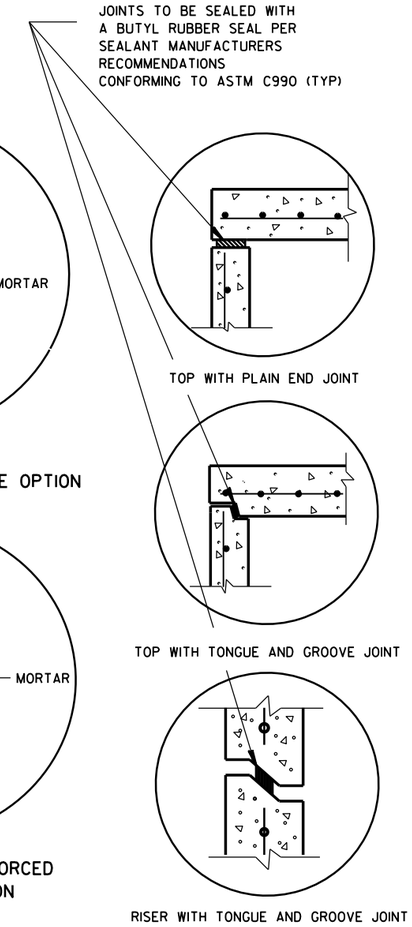


PRECAST REINFORCED
CONCRETE WITH INTEGRAL BASE OPTION



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.

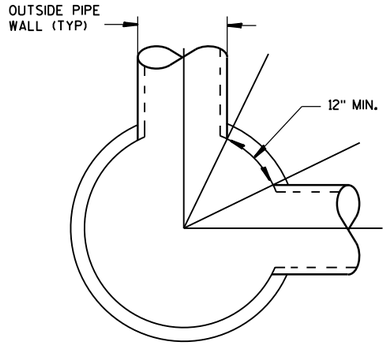
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

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

INLETS 3-FT
AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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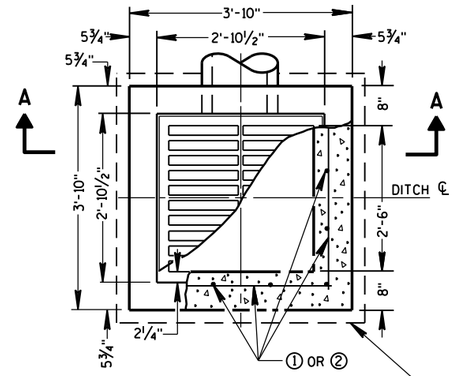
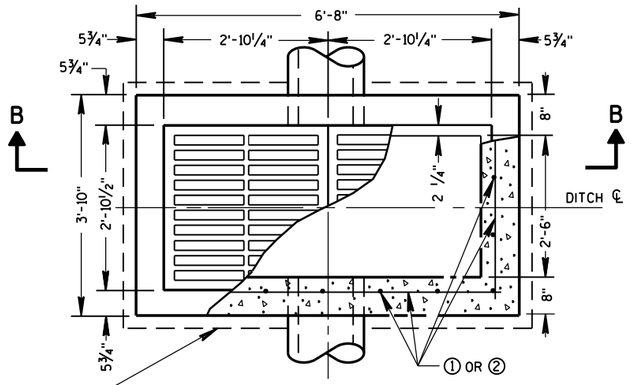
S.D.D. 8 C 6-2

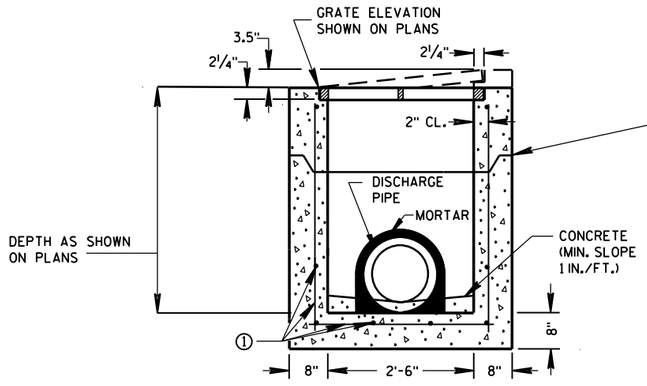


PLAN VIEW

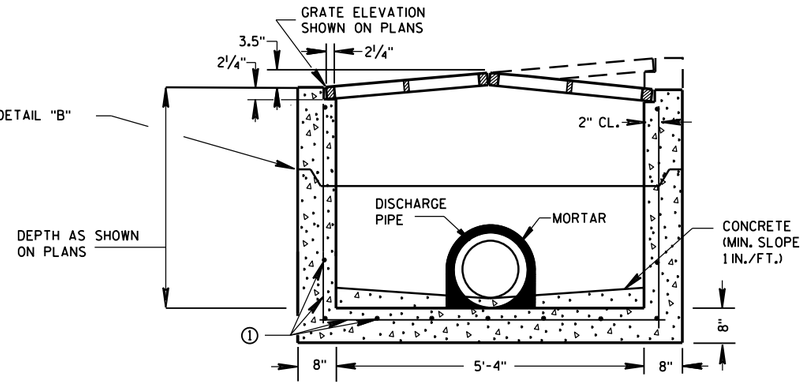


PLAN VIEW

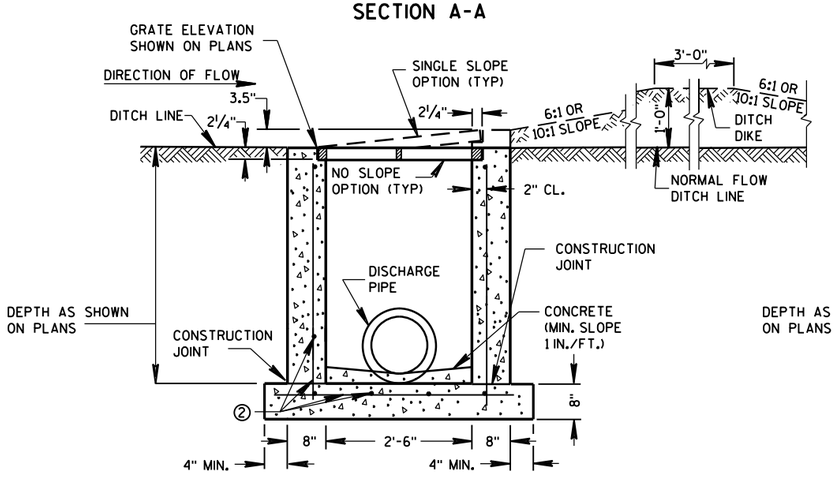
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



PRECAST REINFORCED CONCRETE SECTION A-A

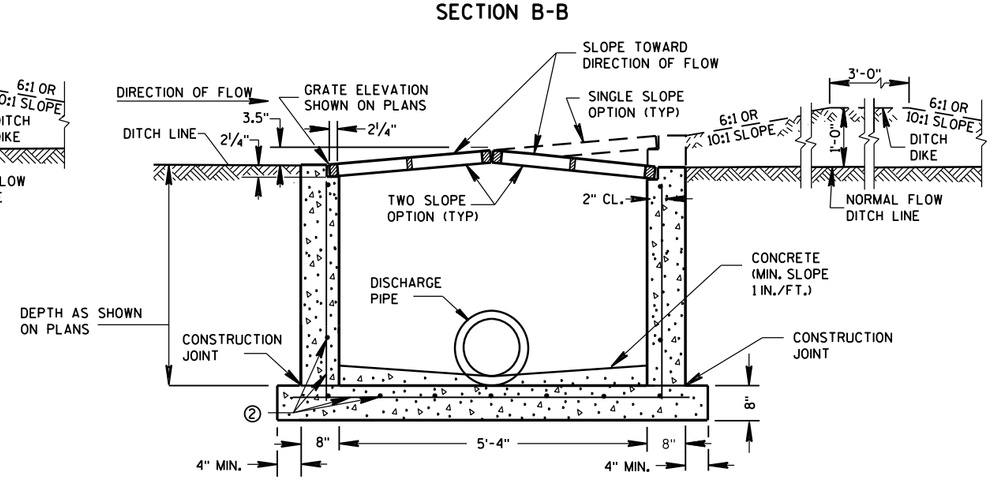


PRECAST REINFORCED CONCRETE SECTION B-B



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, IG-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.

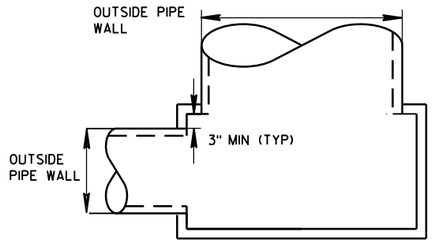
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

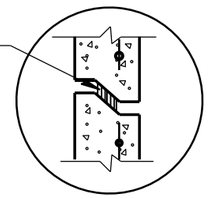
PIPE MATRIX

	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
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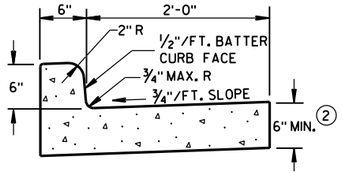
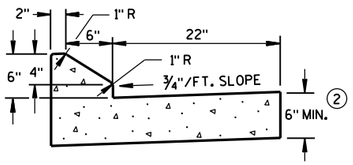
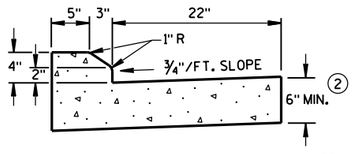


TYPES A & D ①

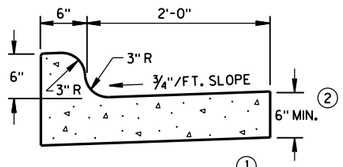


6" SLOPED CURB TYPES G & J ①

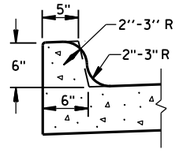


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

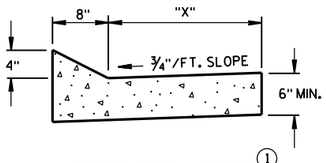


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

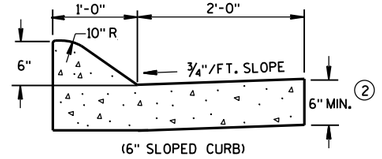
CONCRETE CURB & GUTTER 30"



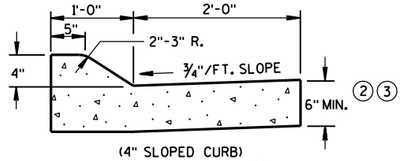
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

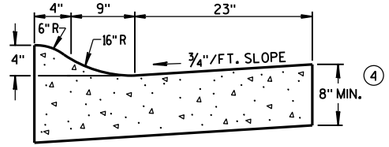


(6" SLOPED CURB)



(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.

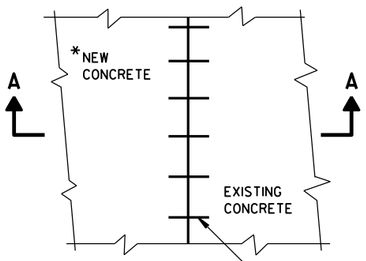
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

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.

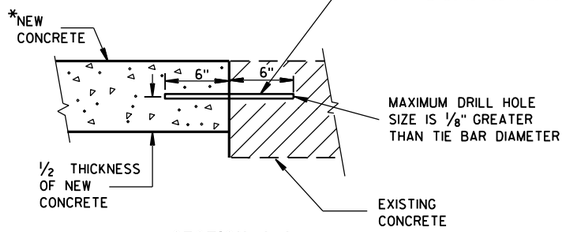
⑤ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

⑥ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



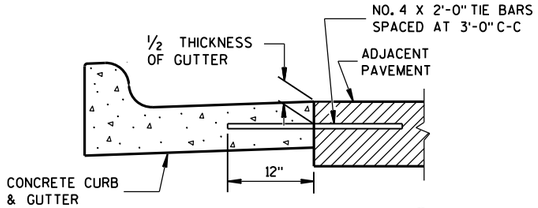
*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

PLAN VIEW

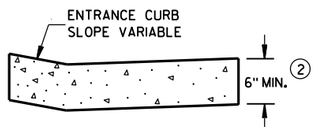


SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT

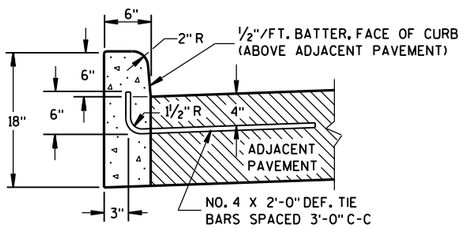


TYPICAL TIE BAR LOCATION ①

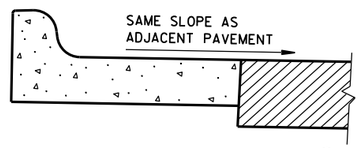


DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)

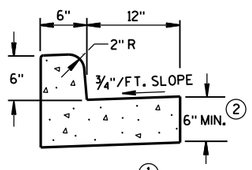


① TYPES A & D



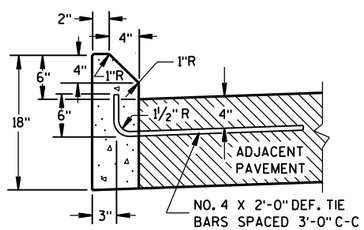
⑥ REVERSE SLOPE GUTTER

(TYPICAL FOR ALL CURB & GUTTER TYPES)



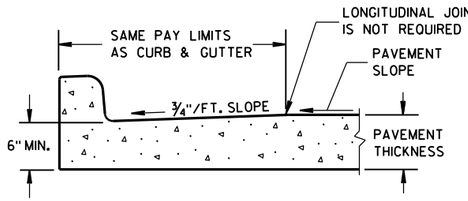
① TYPES A & D

CONCRETE CURB & GUTTER 18"

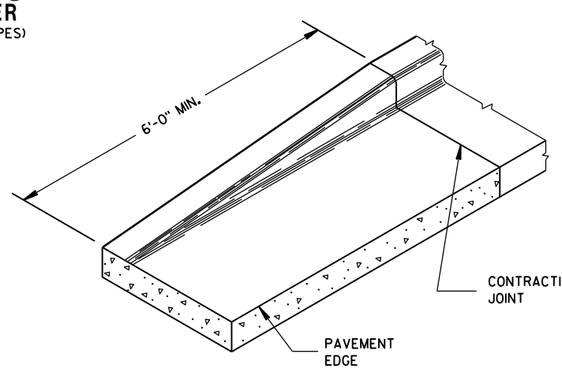


① TYPES G & J

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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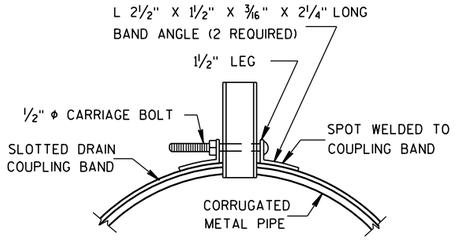
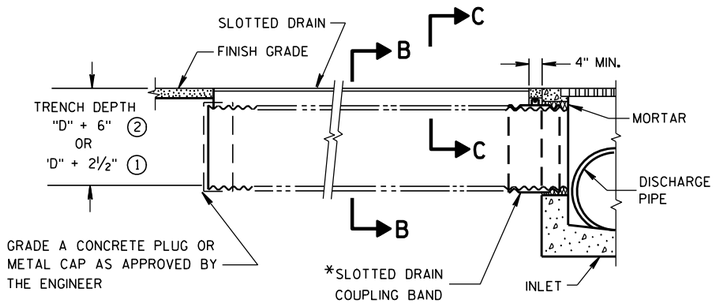
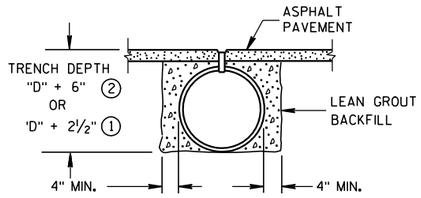


SECTION A-A



SLOTTED DRAIN INSTALLATION TYPE "A"



SECTION B-B

GENERAL NOTES

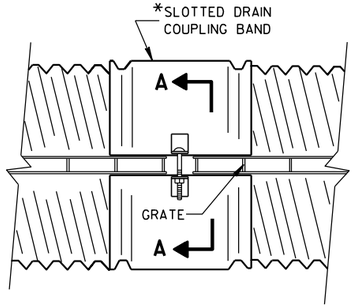
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

BACKFILL MATERIAL

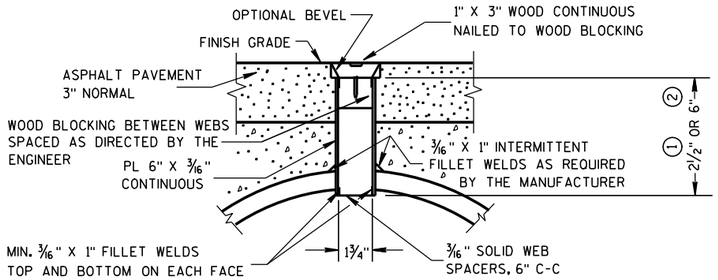
THE LEAN GROUT BACKFILL MATERIAL SHALL BE A FINE AGGREGATE, IN ACCORDANCE WITH SUBSECTION 501.3.6.3.6 OF THE STANDARD SPECIFICATIONS, MIXED WITH 150 POUNDS OF CEMENT AND APPROXIMATELY 30 GALLONS OF WATER FOR EACH 3000 POUNDS OF FINE AGGREGATE.

THE PIPE FOR THE SLOTTED DRAIN SHALL MEET AASHTO DESIGNATION M-36, AND THE GRATE ASSEMBLIES SHALL BE MADE FROM STRUCTURAL STEEL SUITABLY WELDED TO FORM THE OPEN SLOT AND HOT-DIP GALVANIZED TO MEET THE PROVISIONS OF AASHTO DESIGNATION M-111.

NORMAL PIPE SIZES ARE 12-INCH THROUGH 24-INCH DIAMETER IN 0.064 INCH THICKNESS, AND 30-INCH DIAMETER PIPE IN 0.079 INCH THICKNESS.

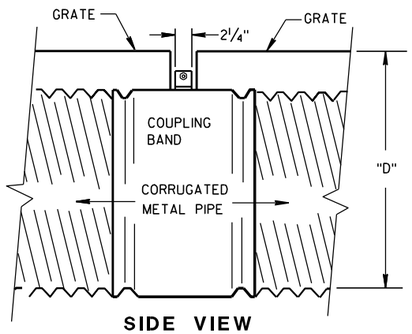


PLAN VIEW



SECTION C-C

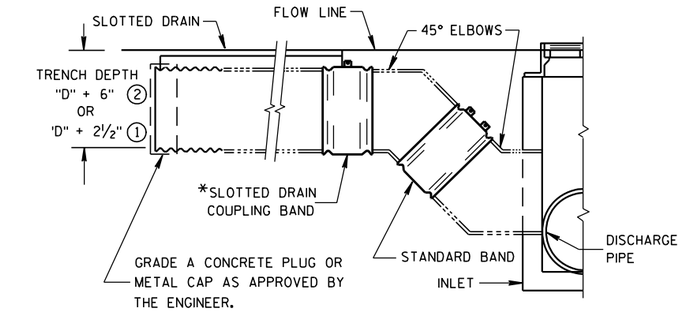
GRATE SLOT DETAIL



SIDE VIEW

*TYPICAL COUPLING BAND FOR SLOTTED DRAIN

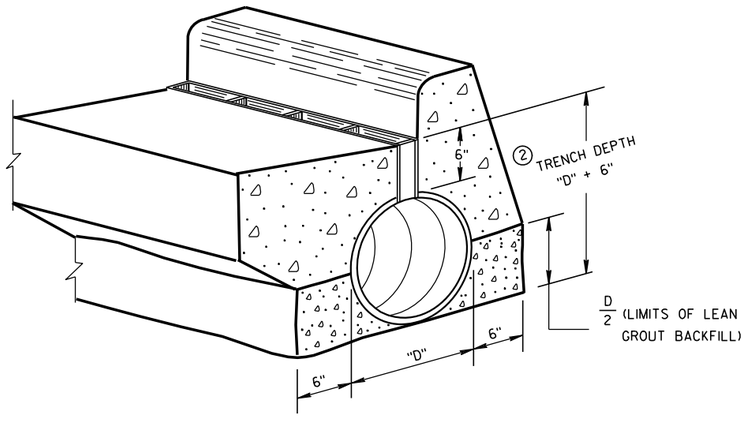
(ALTERNATES PERMITTED AS APPROVED BY THE ENGINEER)



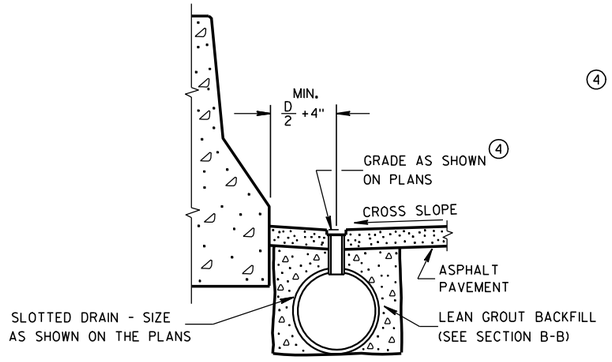
SLOTTED DRAIN INSTALLATION TYPE "B"

NOTE:

TO PREVENT "FLOATING" OF THE SLOTTED DRAIN DURING BACKFILL OPERATIONS PROVIDE ADEQUATE WEDGES, OR POUR THE LEAN GROUT ON TOP OF THE PLUGGED SLOT ALLOWING IT TO SLOUGH TO THE SIDES OF THE PIPE. THIS WILL PROVIDE ENOUGH WEIGHT ON TOP TO KEEP THE PIPE FROM FLOATING.



SLOTTED DRAIN INSTALLATION IN FLOW LINE OF CURB & GUTTER TYPE "C"



SLOTTED DRAIN INSTALLATION AT MEDIAN BARRIER TYPE "D"

① 2½" NORMAL GRATE DEPTH.

② 6" SPECIAL GRATE DEPTH, WHEN SPECIFIED ON THE PLANS.

③ FOR SCREEDING DIRECTLY OVER THE SLOTTED DRAIN WITH ASPHALT PAVER. FOR CONCRETE SURFACE USE 3" WIDE TAPE OVER THE SLOT TO KEEP MATERIAL OUT OF THE PIPE.

④ WHEN THE SURFACE IS CONCRETE PAVEMENT THE GRADE AS SHOWN ON THE PLANS WILL BE FLUSH WITH THE TOP OF THE SLOTTED DRAIN.

SLOTTED CORRUGATED METAL PIPE SURFACE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/30/79 DATE
/S/ D. L. Str--- CHIEF ROADWAY DEVELOP--- ENGINEER
FHWA

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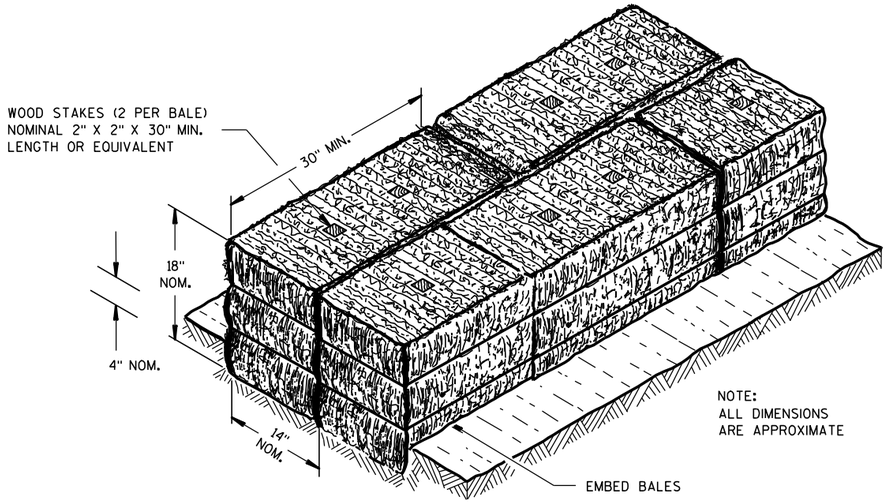
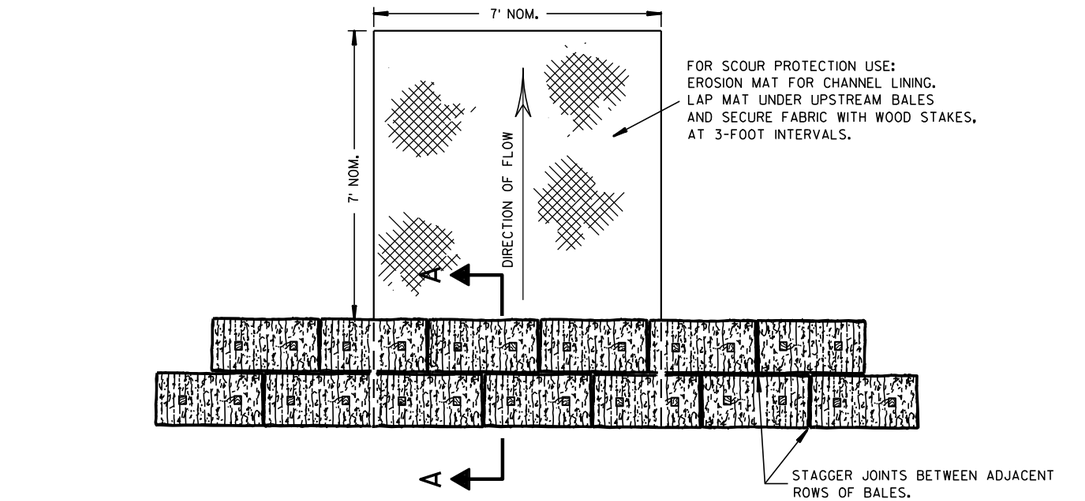
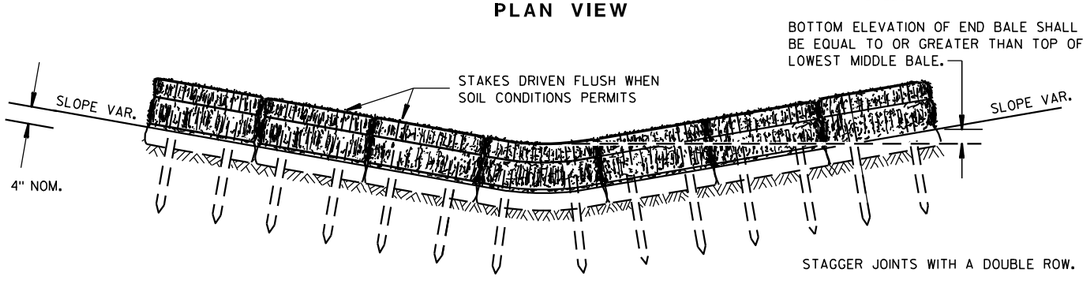
S.D.D. 13 D 13-1



SECTION A-A



PLAN VIEW



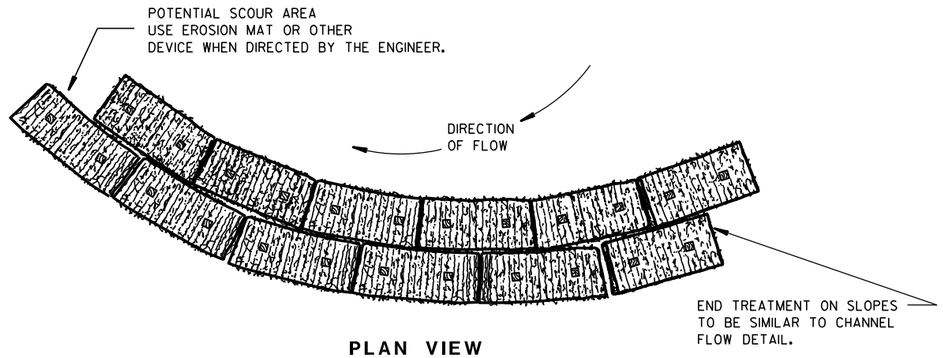
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

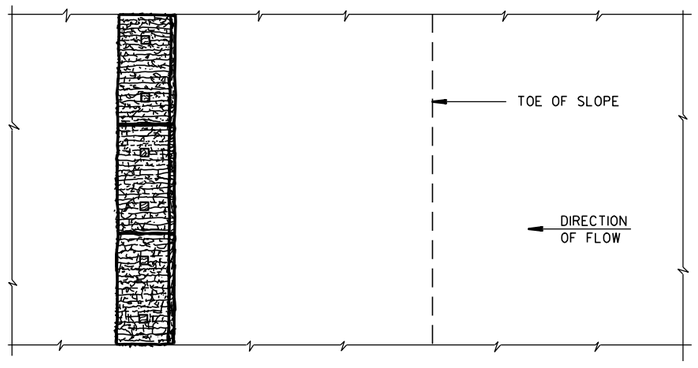
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

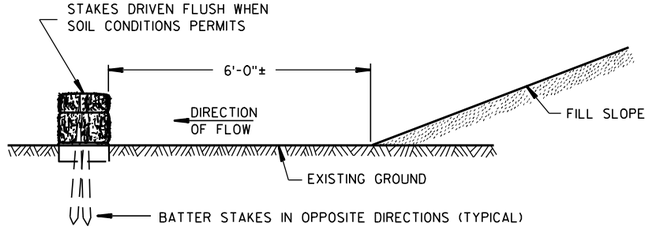


PLAN VIEW

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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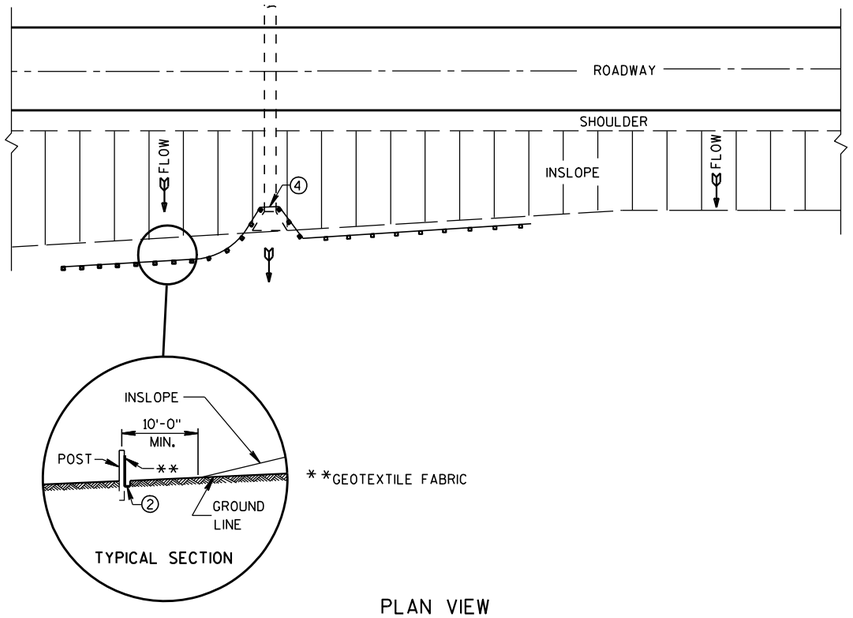
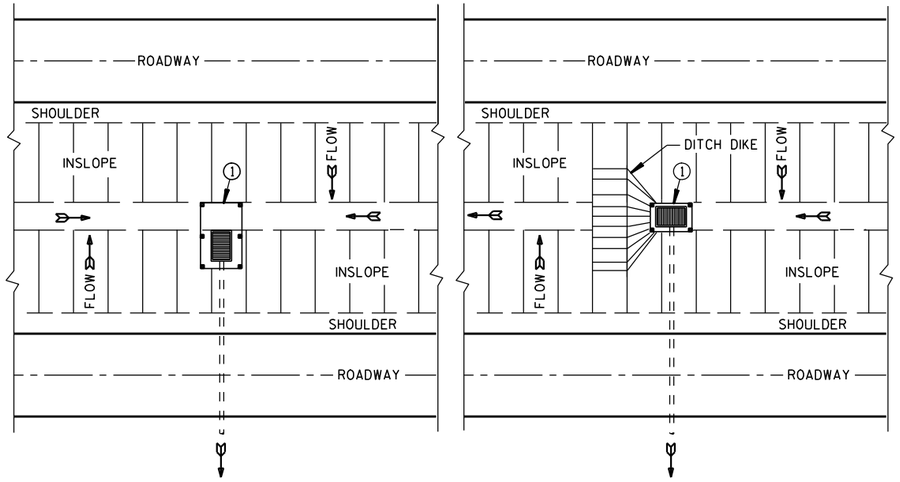
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



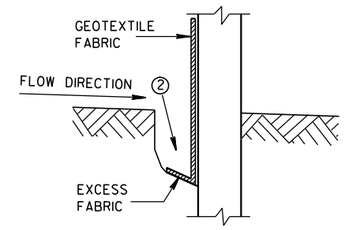
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

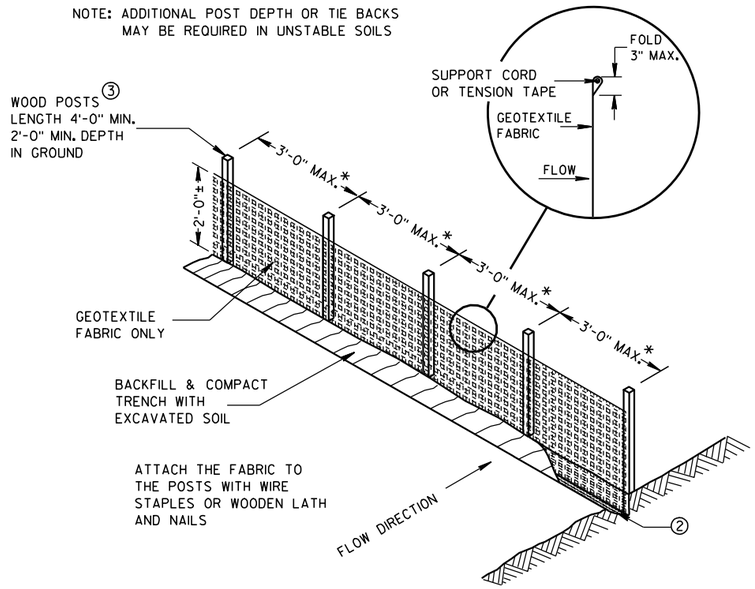
GENERAL NOTES

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

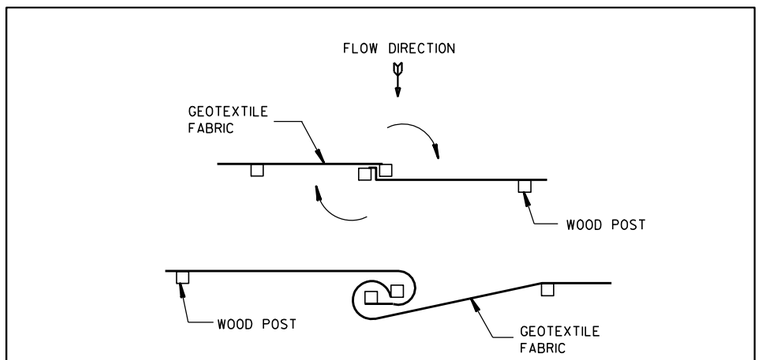
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



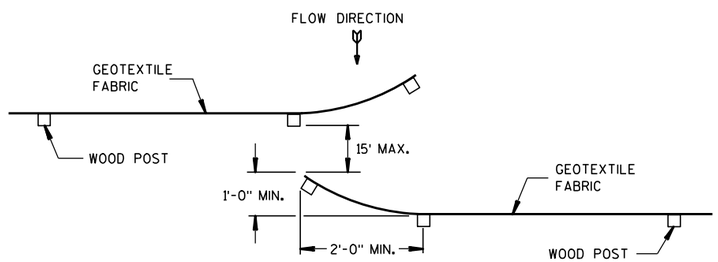
TRENCH DETAIL



SILT FENCE

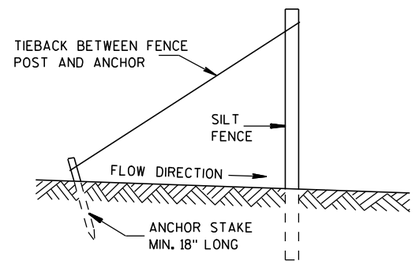


TWIST METHOD



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

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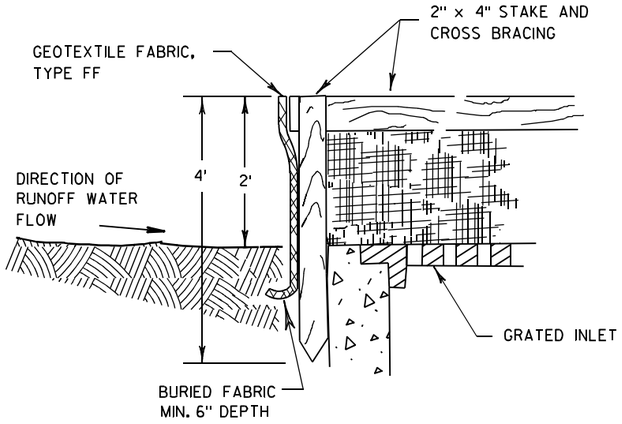
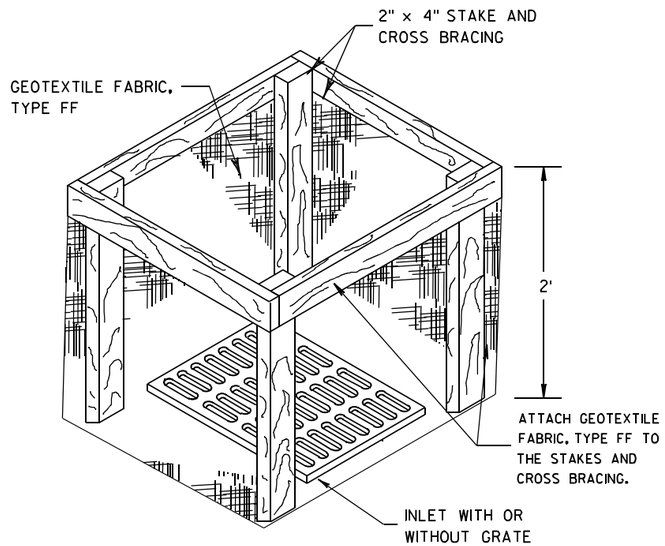
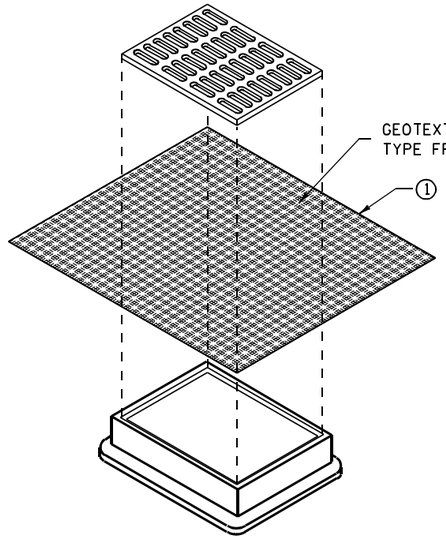


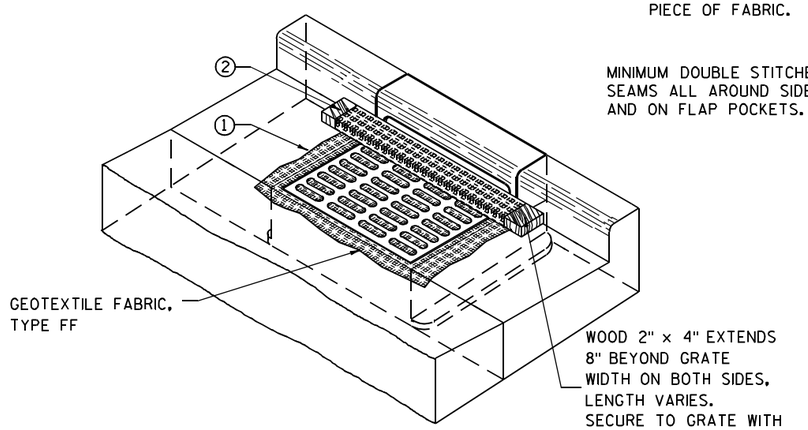


INLET PROTECTION, TYPE A

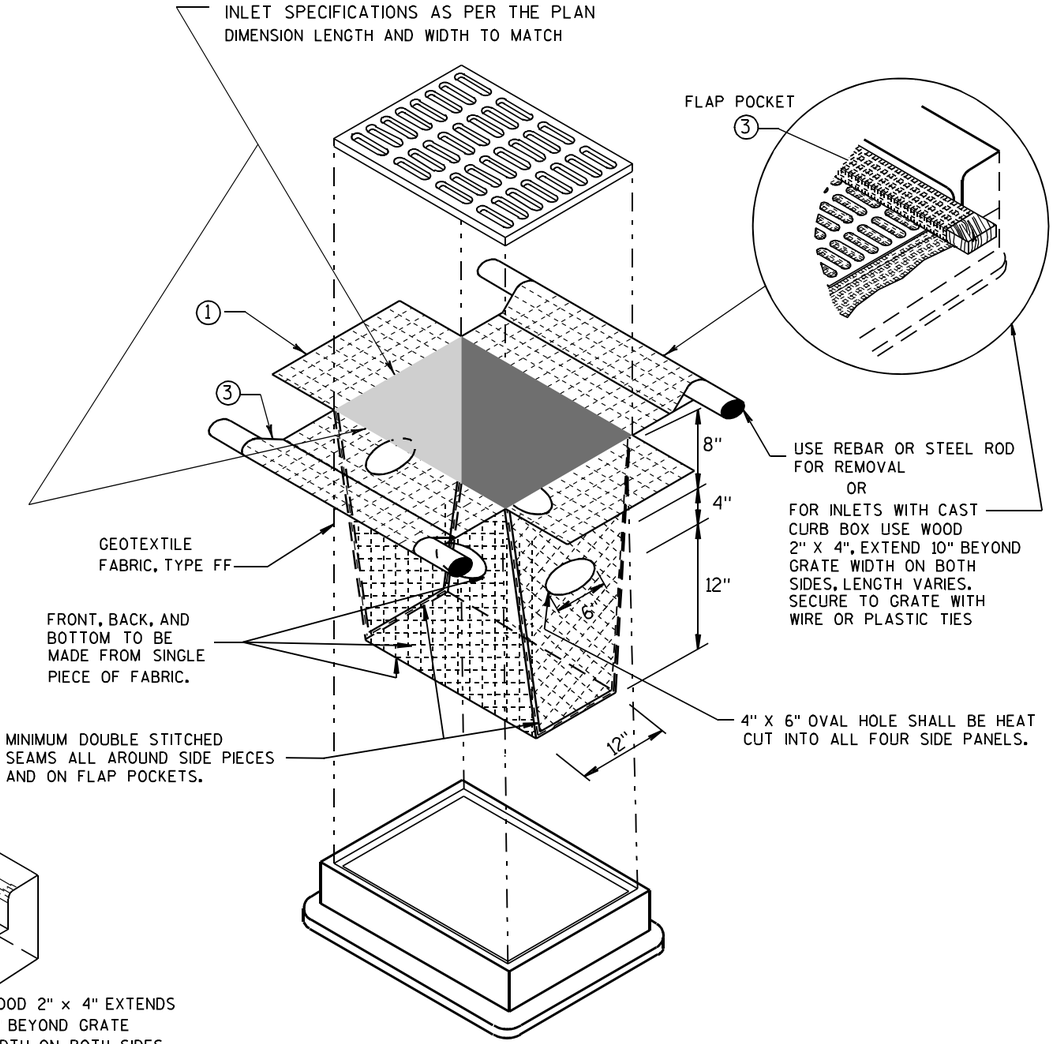


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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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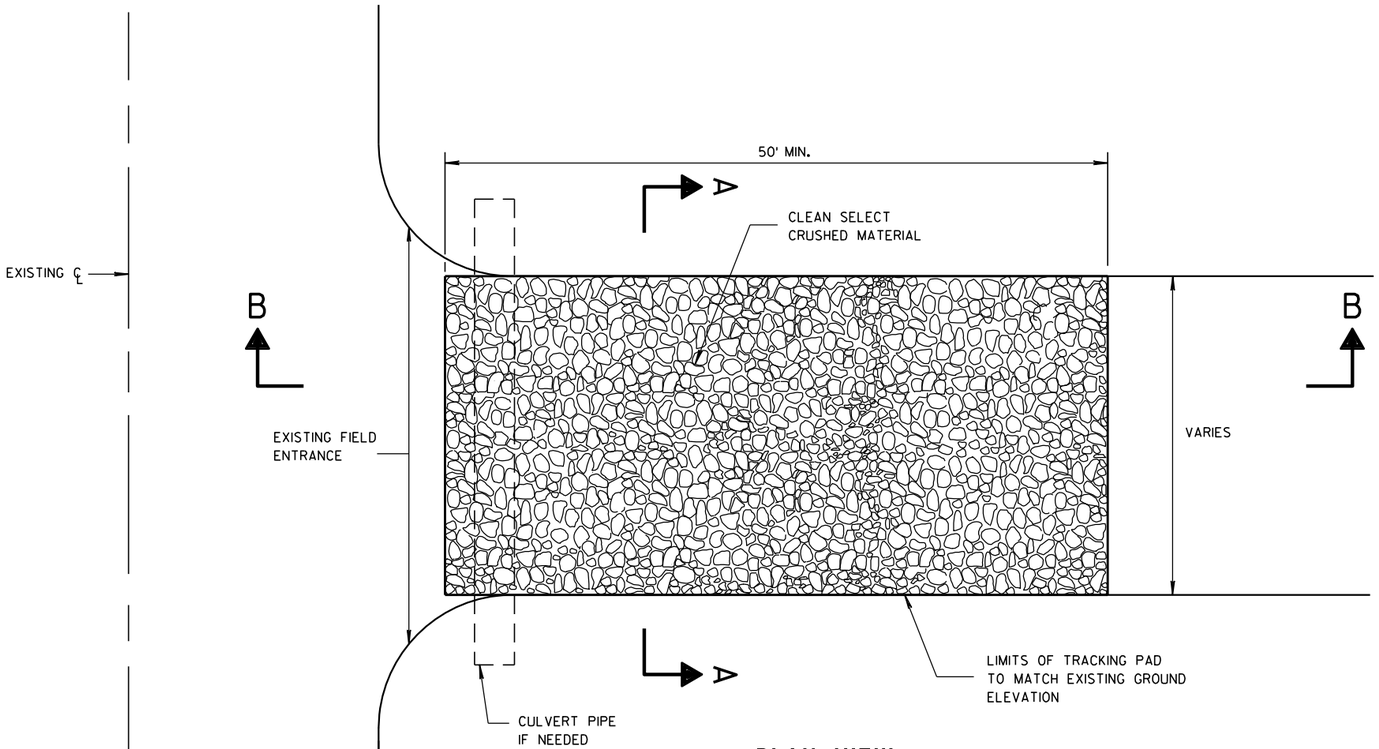
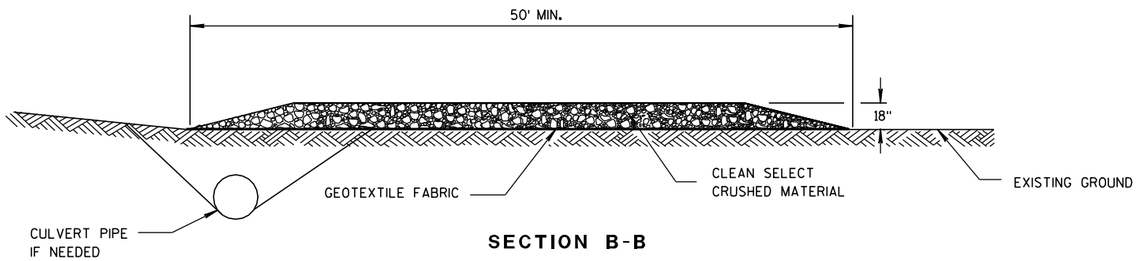
S.D.D. 8 E 10-2



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.

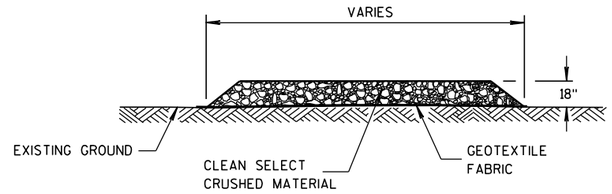
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

TRACKING PAD	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 3/24/2011 DATE FHWA	/S/ Jerry H. Zoda ROADWAY STANDARDS ENGINEER
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S.D.D. 8 E 14-1

METAL APRON ENDWALLS

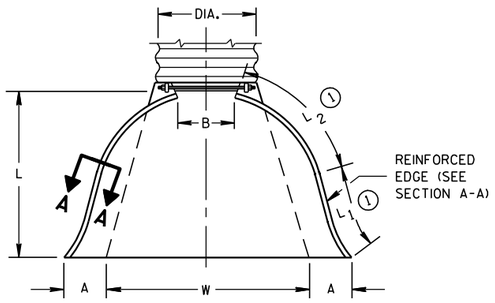
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

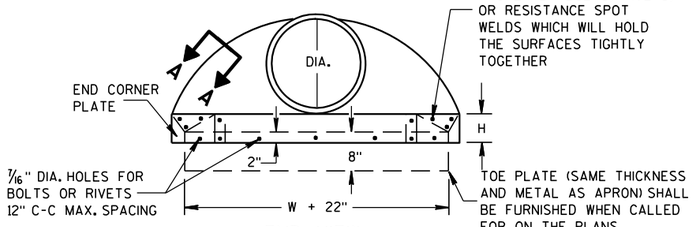
REINFORCED CONCRETE APRON ENDWALLS

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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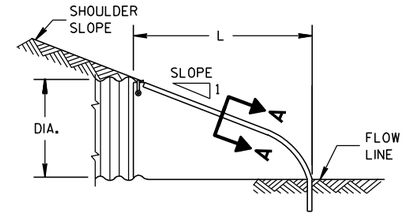
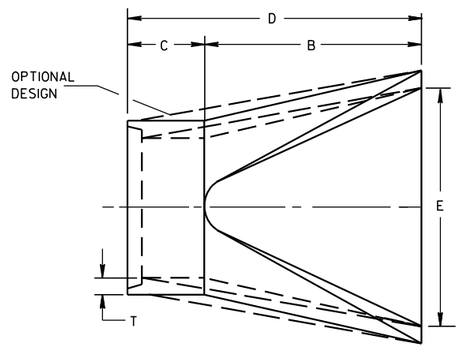
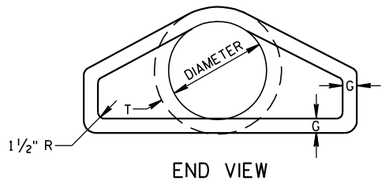


SIDE ELEVATION

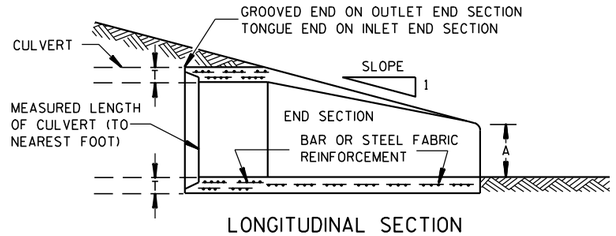
METAL ENDWALLS



PLAN

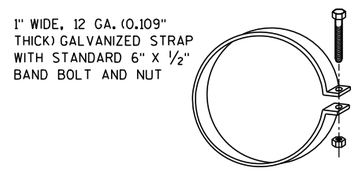


END VIEW



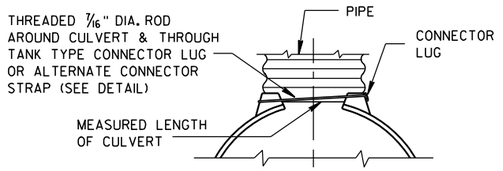
LONGITUDINAL SECTION

CONCRETE ENDWALLS

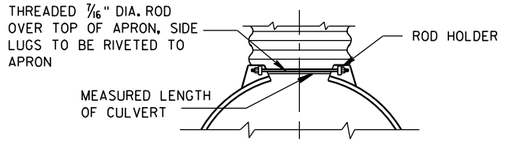


ALTERNATE FOR TYPE 1 CONNECTION

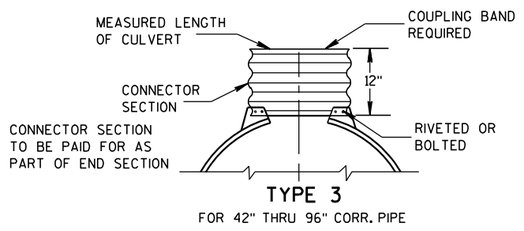
END SECTION CONNECTOR STRAP



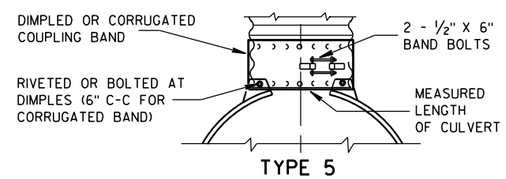
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

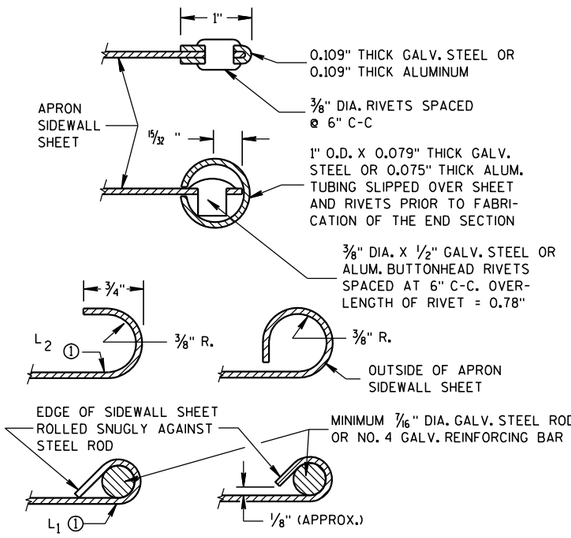
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

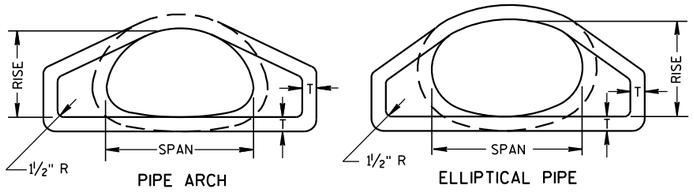
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

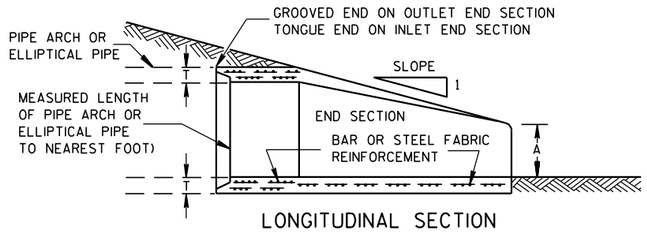
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

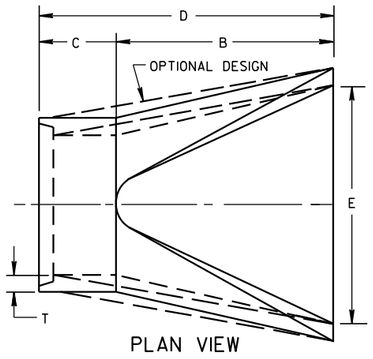
6
S.D.D. 8 F 1-11



END VIEW

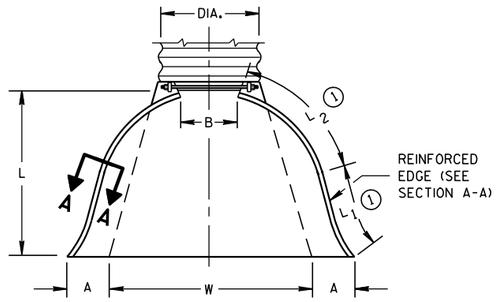


LONGITUDINAL SECTION

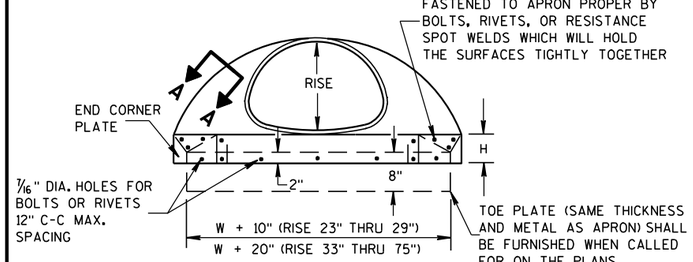


PLAN VIEW

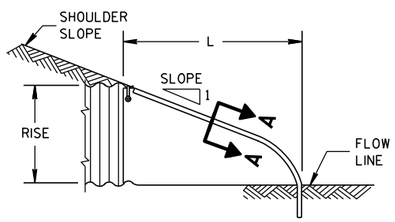
CONCRETE ENDWALLS



PLAN VIEW

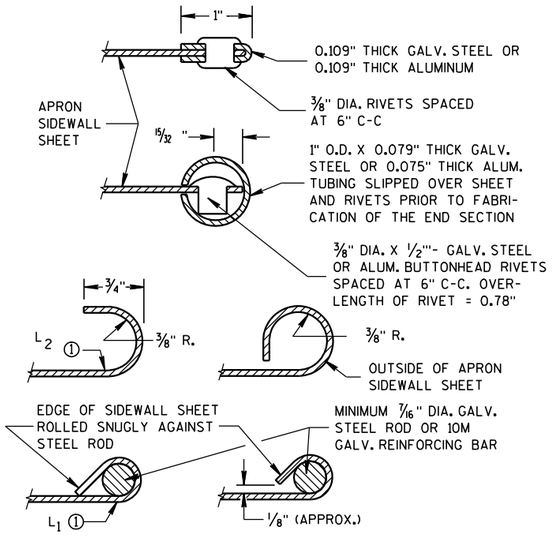


END VIEW



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

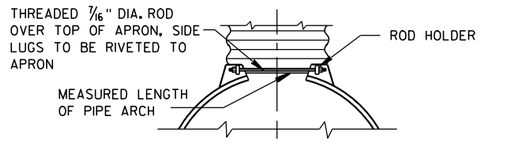
REINFORCED CONCRETE PIPE ARCH

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

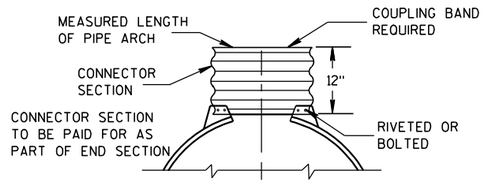
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



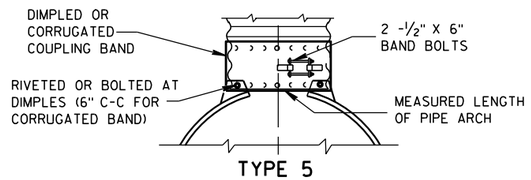
TYPE 2

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

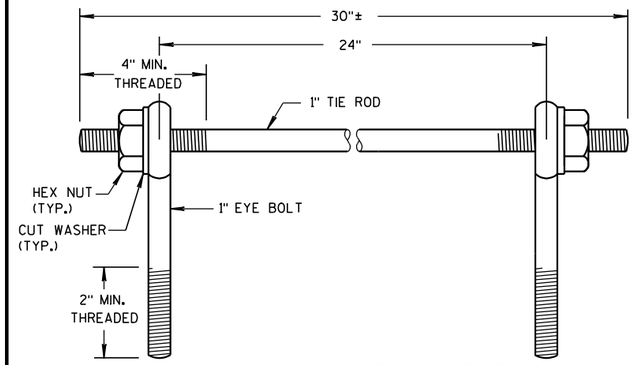
FHWA

6

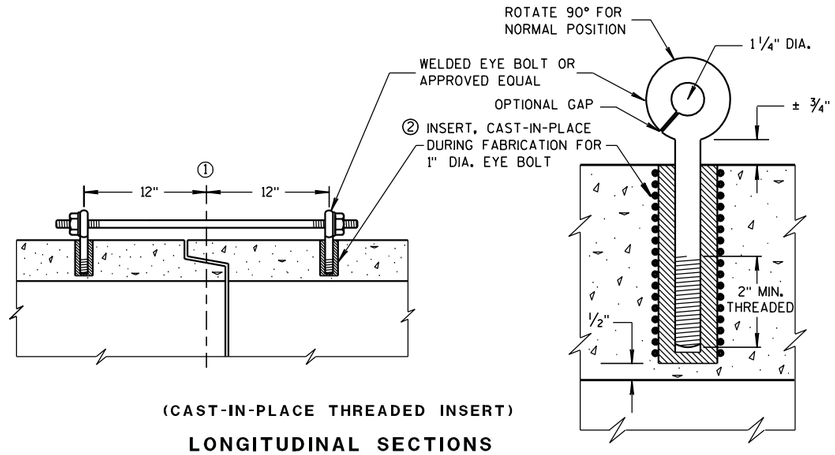
S.D.D. 8 F 2-1

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.

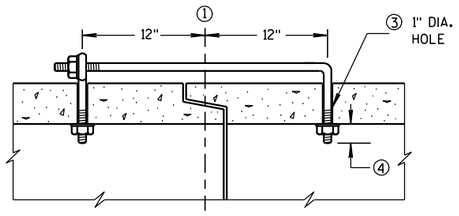
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

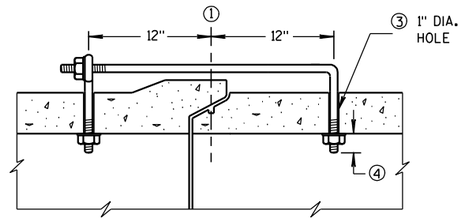
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

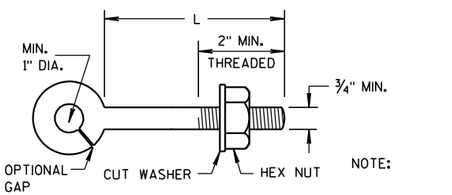


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

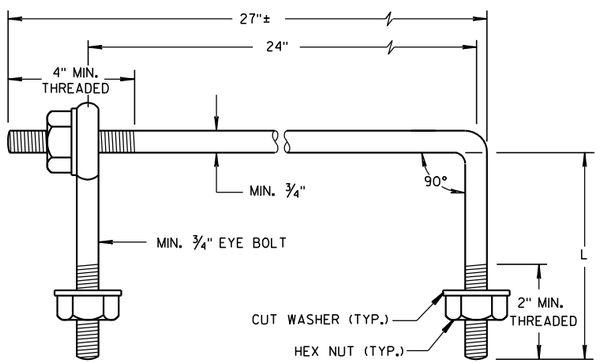
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

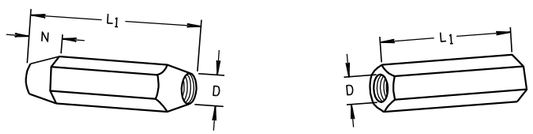
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

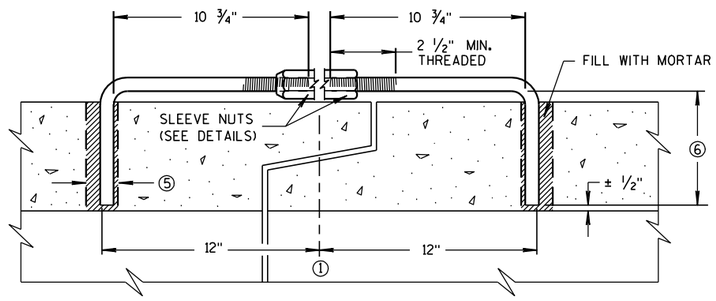
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

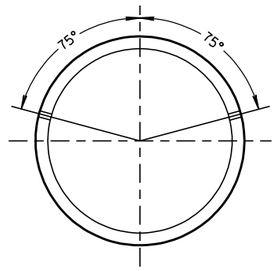
SLEEVE NUTS



LONGITUDINAL SECTION

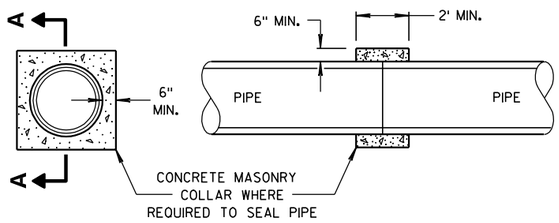
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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
185
FHWA

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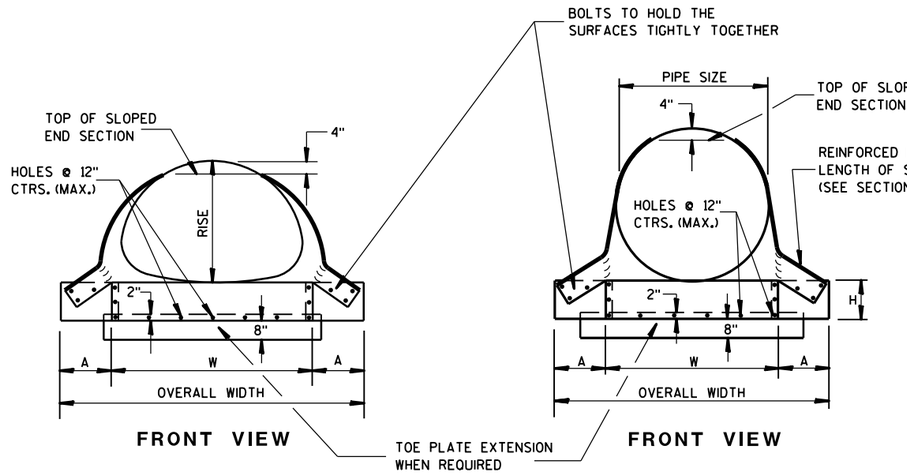
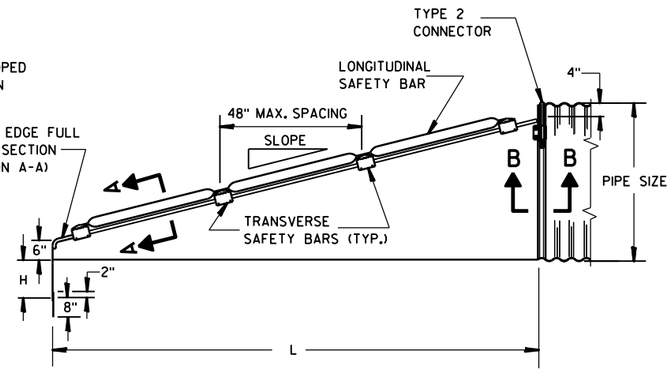


FRONT VIEW

FRONT VIEW



SIDE VIEW
(48" SIZE ILLUSTRATED)

GENERAL NOTES

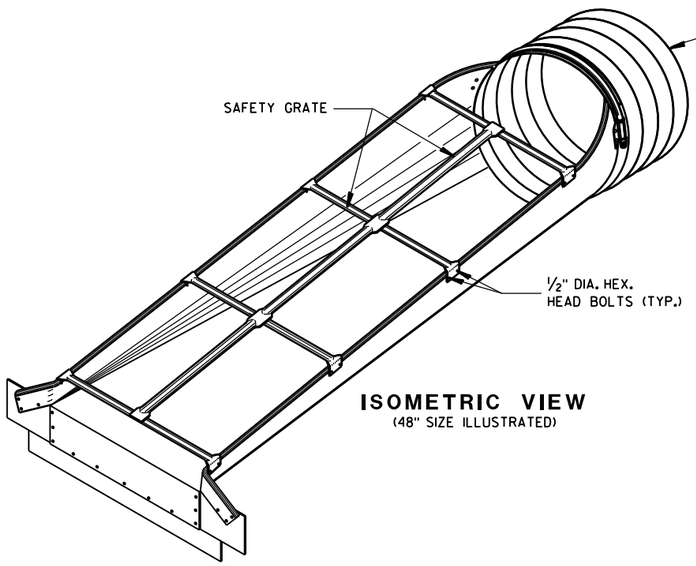
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SAFETY GRATES SHALL BE FABRICATED FROM 3-INCH DIAMETER GALVANIZED PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL. THE LONGITUDINAL BAR SHALL BE WELDED TO THE TRANSVERSE BARS WHERE THE BARS CROSS. THE NUMBER OF TRANSVERSE BARS REQUIRED WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

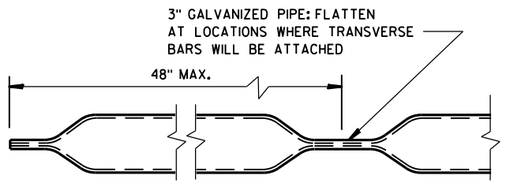
SLOPED STEEL ENDWALLS LOCATED AT THE ENDS OF CONCRETE CULVERT PIPE SHALL BE FURNISHED WITH STEEL ADAPTER SLEEVES.

STEEL APRON ENDWALLS FOR CULVERT PIPE CROSS DRAINS

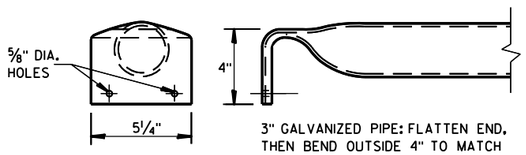
PIPE DIA. (IN.)	MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228
54	.109	12	16	12	60	92	4:1	176	6:1	264
60	.109	12	16	12	66	98	4:1	200	6:1	300



ISOMETRIC VIEW
(48" SIZE ILLUSTRATED)



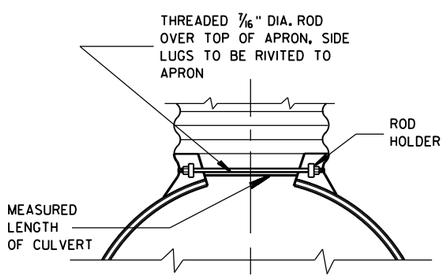
LONGITUDINAL SAFETY BAR



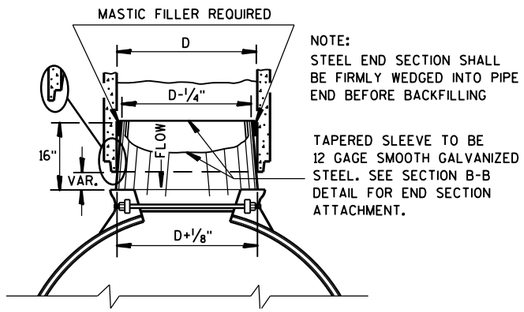
TRANSVERSE SAFETY BAR

STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS

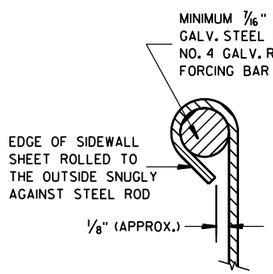
EQUIV. DIA. (IN.)	INCHES		MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	SPAN	RISE	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
30	35	24	.079	14	12	9	41	65	4:1	56	6:1	84
36	42	29	.109	12	12	9	48	72	4:1	76	6:1	114
42	49	33	.109	12	16	12	55	87	4:1	92	6:1	138
48	57	38	.109	12	16	12	63	95	4:1	112	6:1	168
54	64	43	.109	12	16	12	70	102	4:1	132	6:1	198
60	71	47	.109	12	16	12	77	109	4:1	148	6:1	222



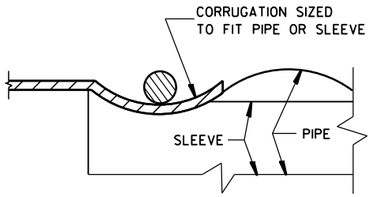
TYPE 2 CONNECTOR DETAIL



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



SECTION A-A



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
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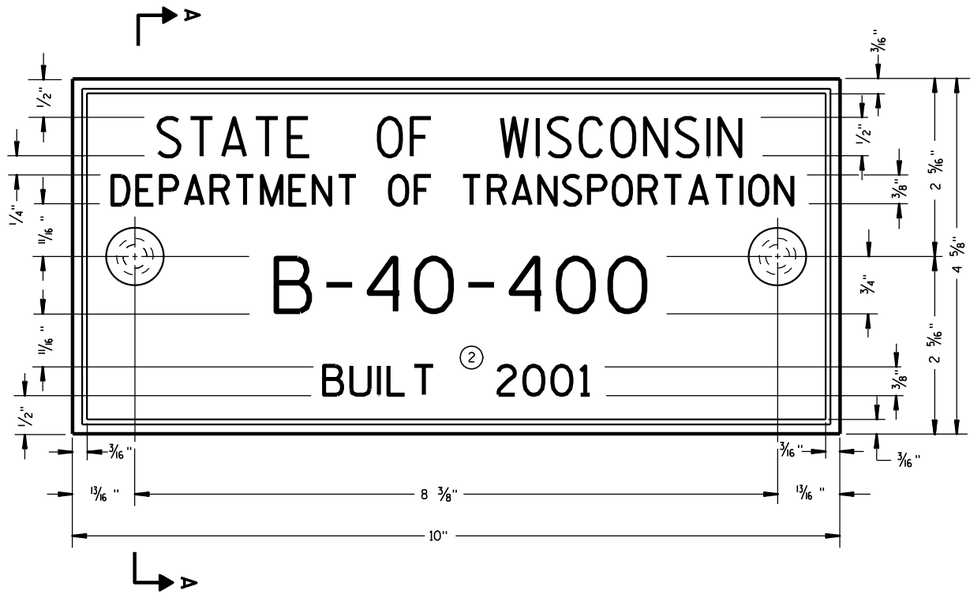


TYPICAL NAME PLATE

(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

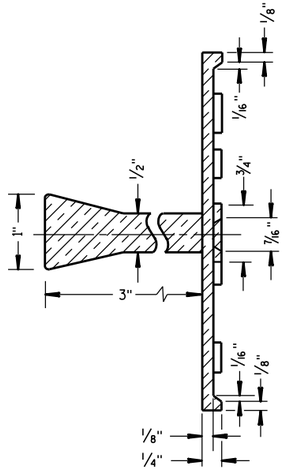
GENERAL NOTES

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.

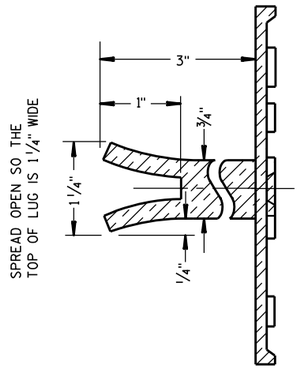
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

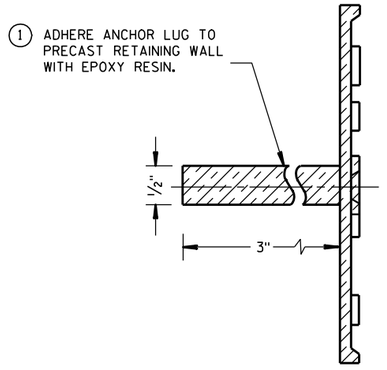
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



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 ENGINEER

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S.D.D. 12 A 3-10

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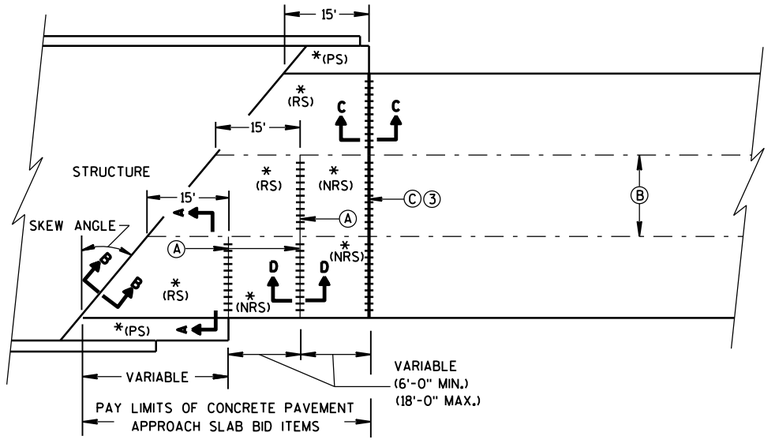
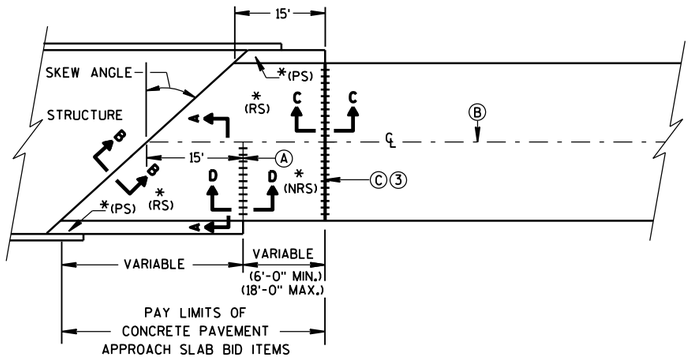
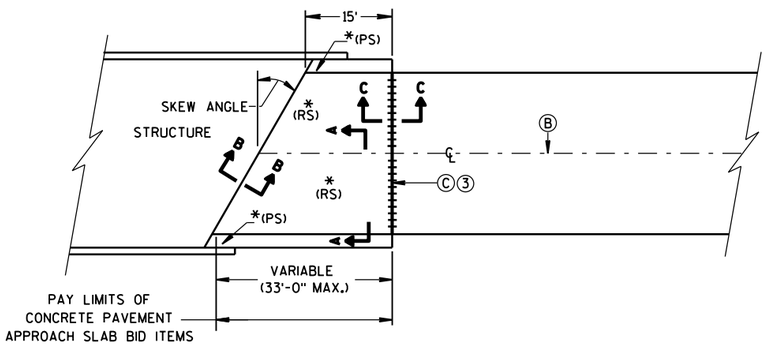
S.D.D. 12 A 3-10



SKEWED APPROACH
(PAVEMENT MORE THAN 2 LANES)



SKEWS >20°
(PAVEMENT WIDTH ≤30')



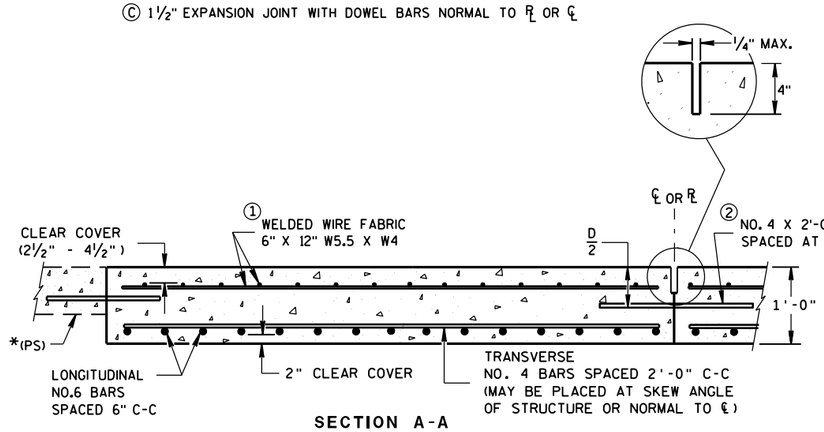
SKEWS ≤20°
(PAVEMENT WIDTH ≤30')

APPROACH SLAB AND ADJACENT PAVEMENT

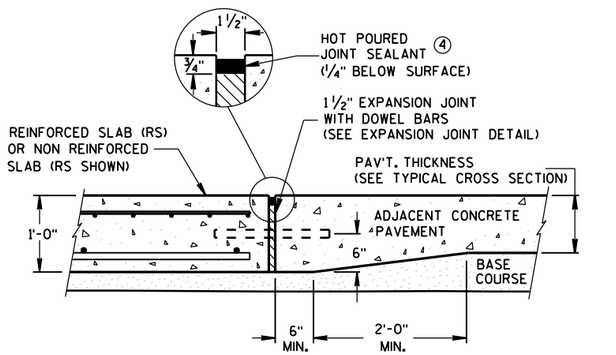
*(RS) = REINFORCED CONCRETE SLAB
*(PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB
(SEE DETAILS ELSEWHERE IN THE PLAN)
*(NRS) = NON-REINFORCED CONCRETE SLAB

***STANDARD DOWEL BAR DIAMETER
(SEE SDD 13C11, & SDD 13C13)

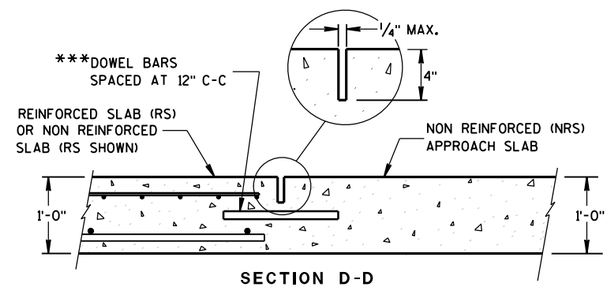
Ⓐ STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℄
Ⓑ STANDARD LONGITUDINAL JOINT WITH TIE BARS.
Ⓒ 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄



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.

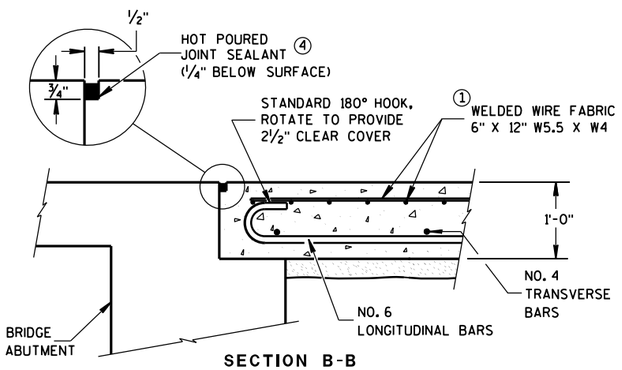
① THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2'-0" C-C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

② THE CONTRACTOR MAY OMIT TIE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

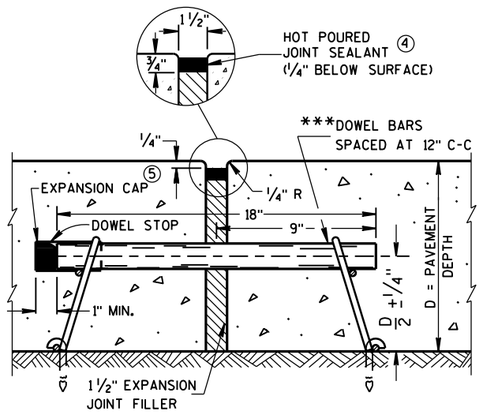
③ DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

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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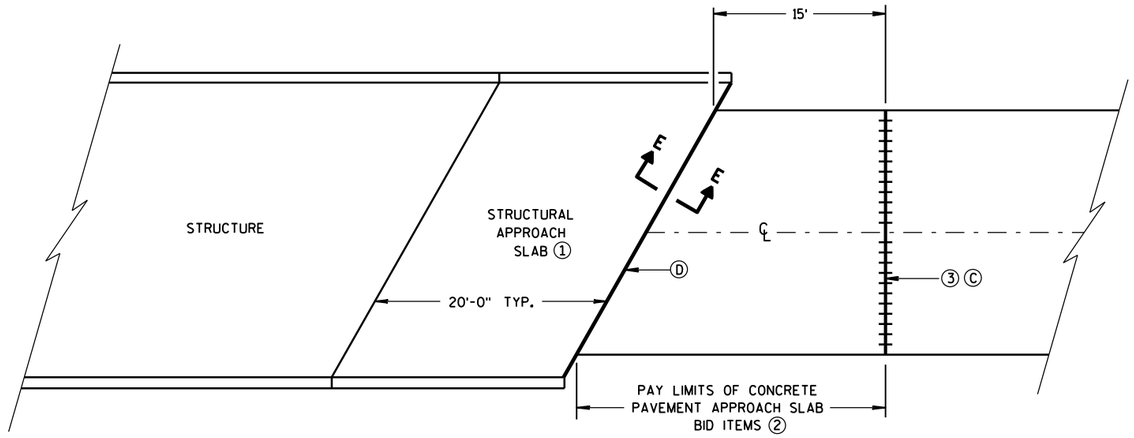
S.D.D. 13 B 2-8a

BRIDGE APPROACHES



GENERAL NOTES

ALL PROJECTS THAT INVOLVE A STRUCTURAL APPROACH SLAB WILL ALSO HAVE A CONCRETE PAVEMENT APPROACH SLAB.

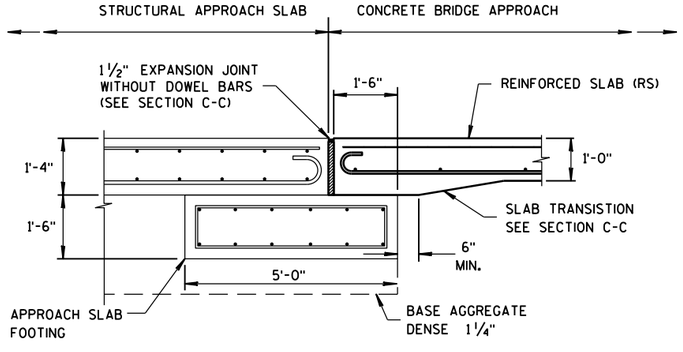
① SEE BRIDGE PLAN.

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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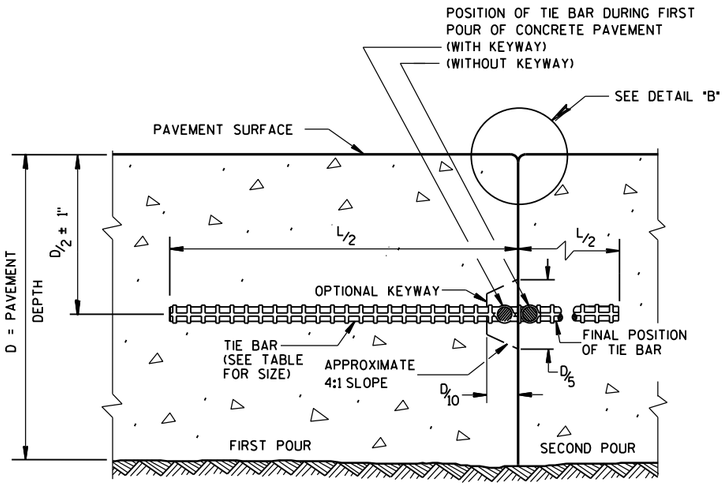
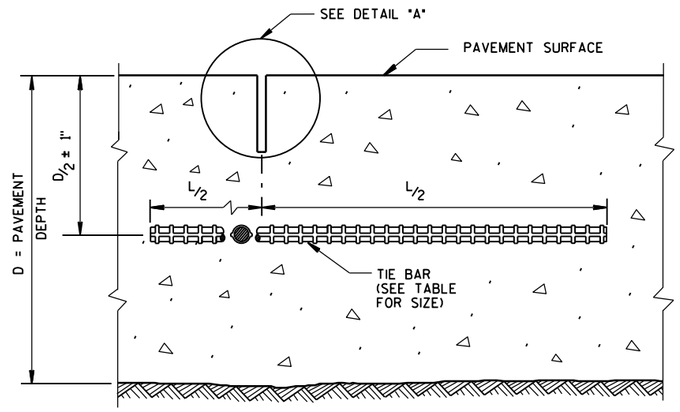
S.D.D. 13 B 2-8b

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.

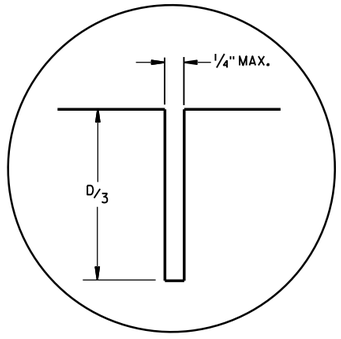
(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

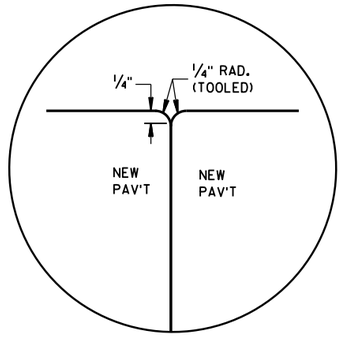
PLAN VIEW

SECTION A-A

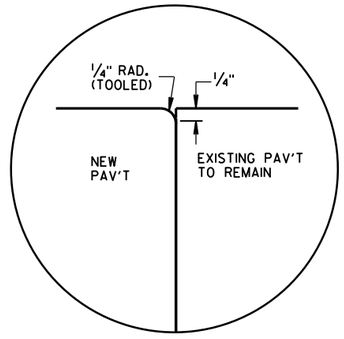
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



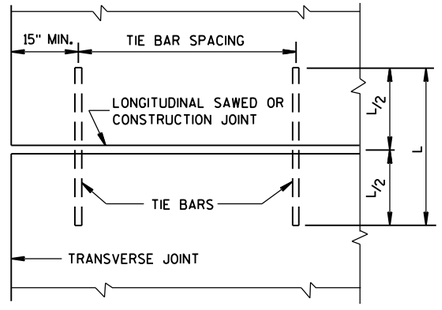
DETAIL "C"

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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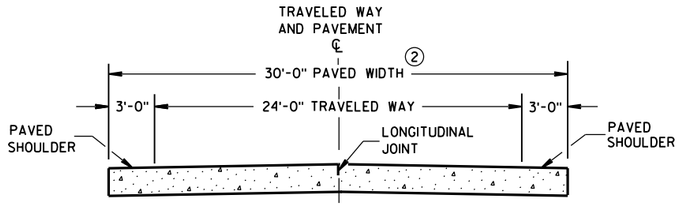
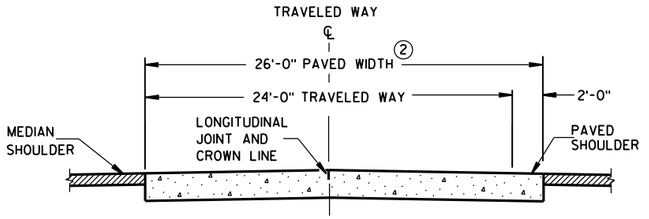
S.D.D. 13 C 1-18

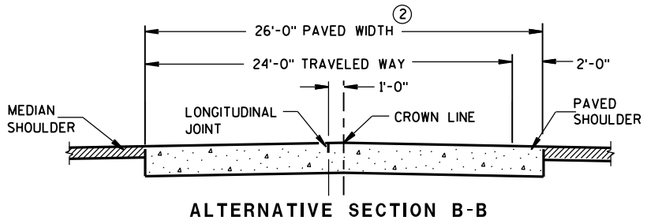


SECTION A-A ①

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

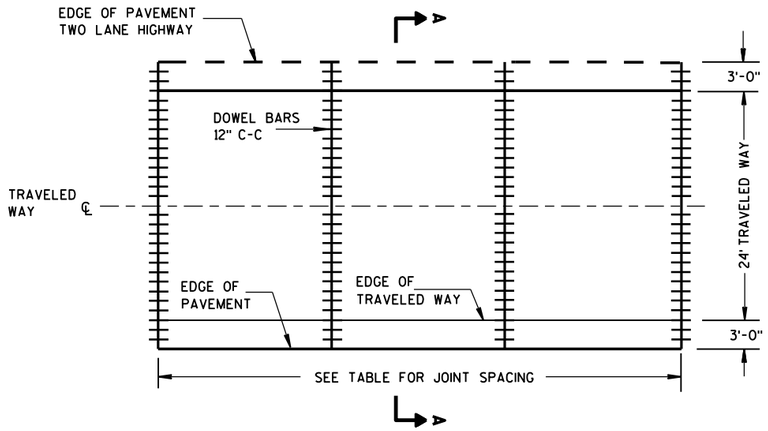
LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

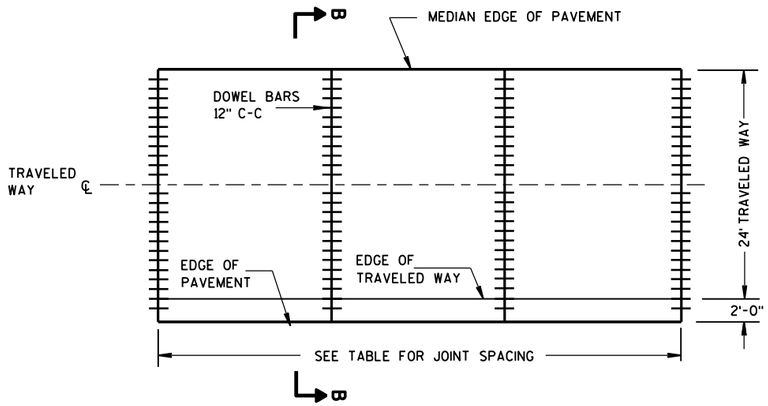
② MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED PAVED SHOULDER AS CONCRETE PAVEMENT.

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



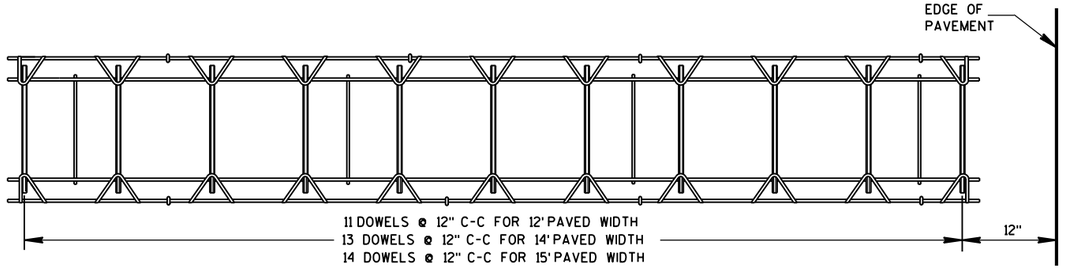
CONTRACTION JOINT LAYOUT
FOR DIVIDED HIGHWAY

RURAL DOWELED
CONCRETE PAVEMENT

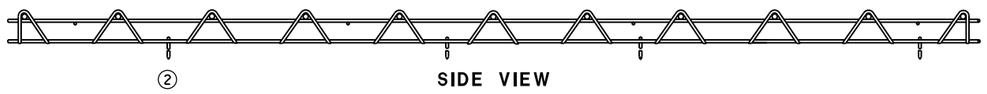
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 13 C 11-11a



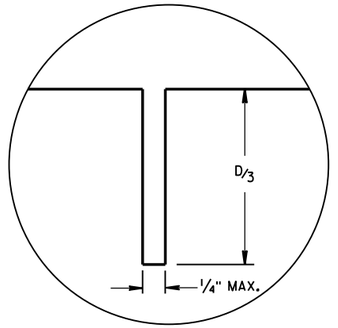
PLAN VIEW



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.

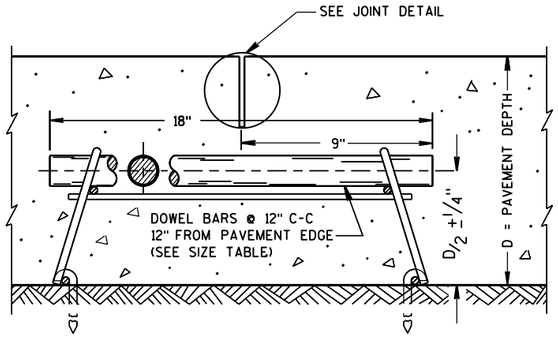
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A 1/4-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

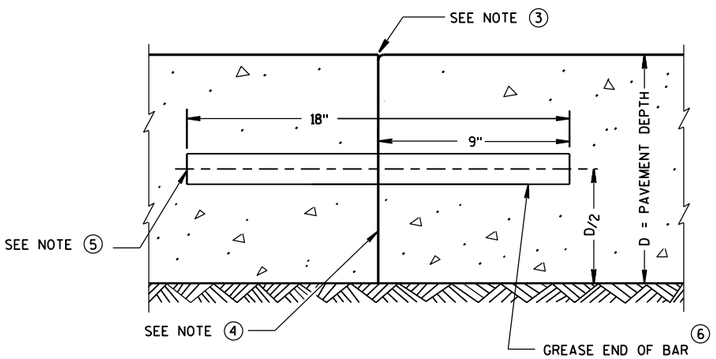
⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

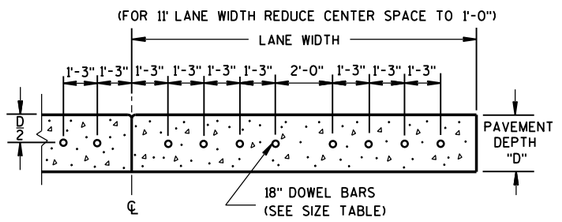
⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



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

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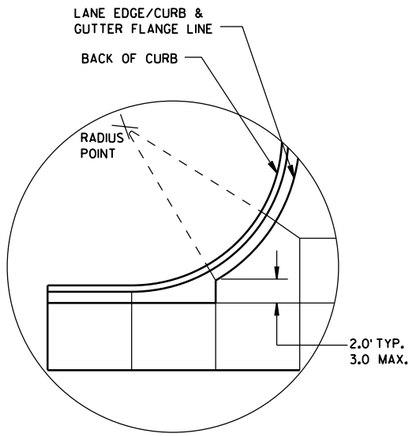
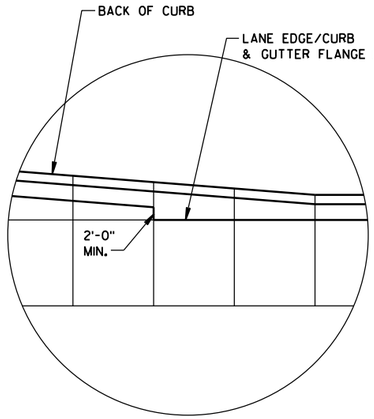
S.D.D. 13 C 11-11b

6

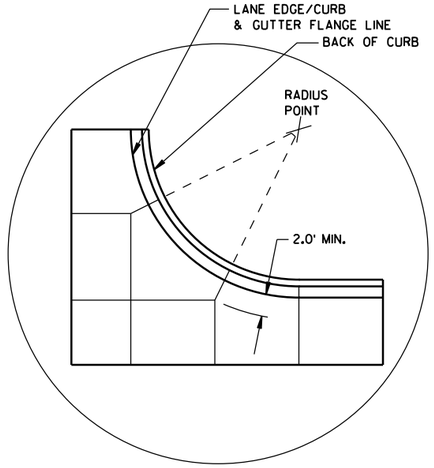
S.D.D. 13 C 11-11b



DETAIL "A"



DETAIL "B"



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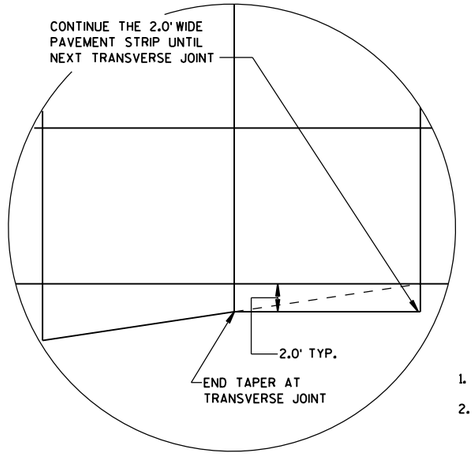


DETAIL "D"

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.

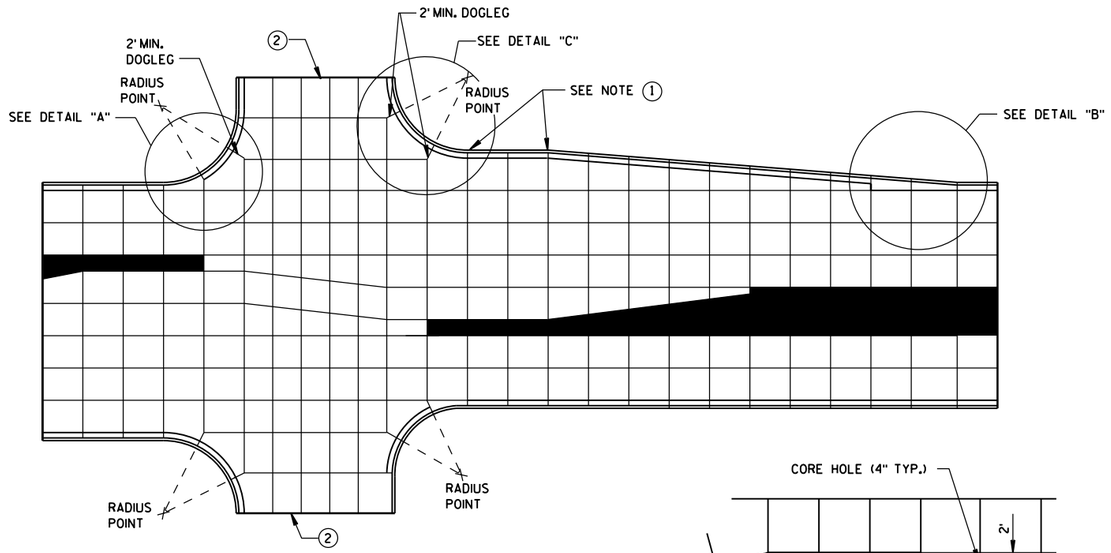
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

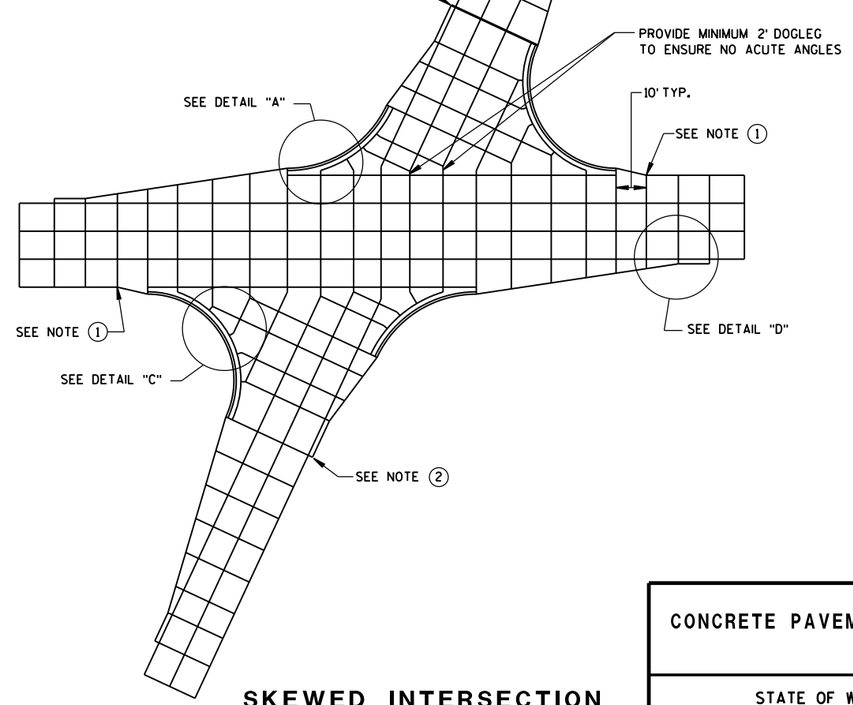
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



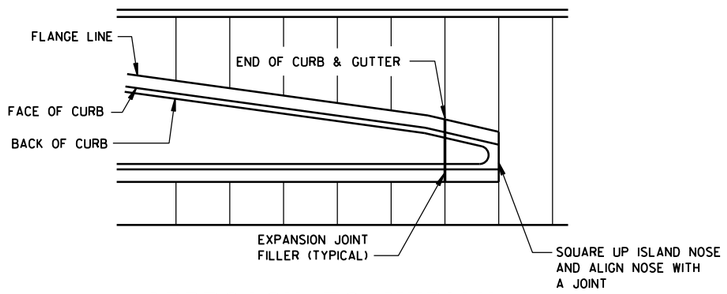
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

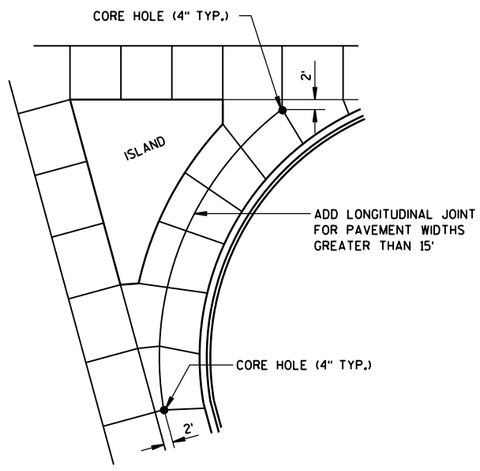
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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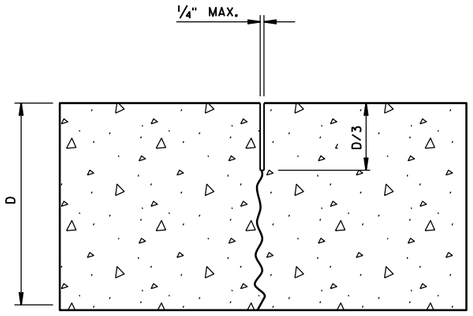
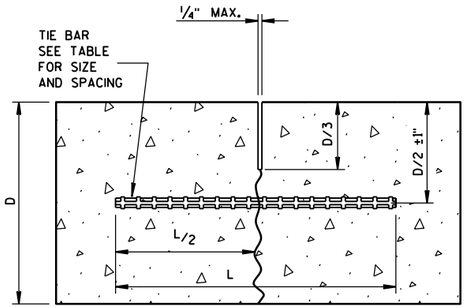
S.D.D. 13 C 18-5a



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

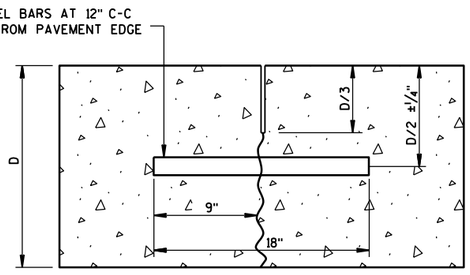
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* 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

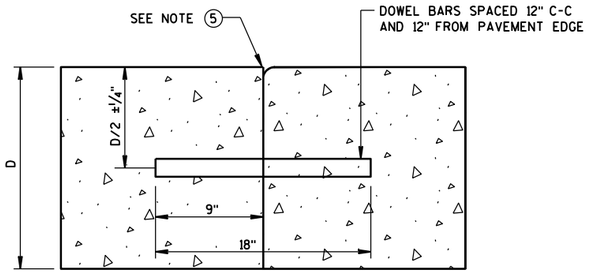
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 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.



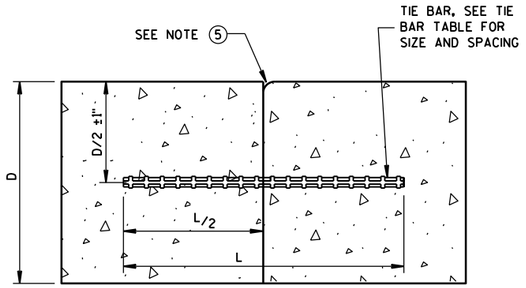
DOWELED-TRANSVERSE

CONTRACTION JOINTS

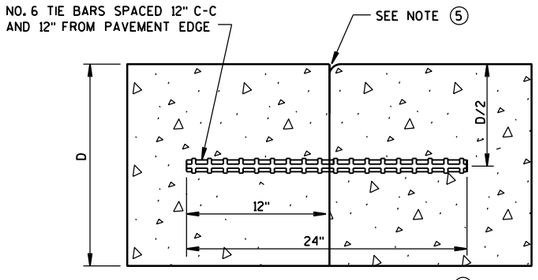
SEE NOTE (2)



DOWELED TRANSVERSE (3)

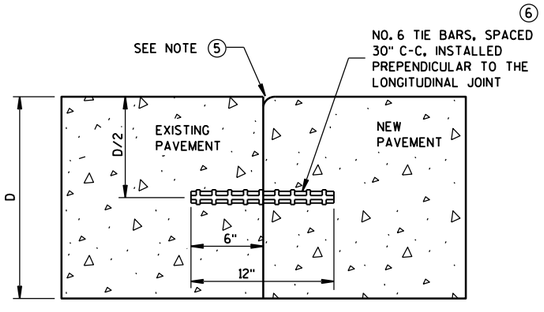


TIED LONGITUDINAL



TIED TRANSVERSE (3)

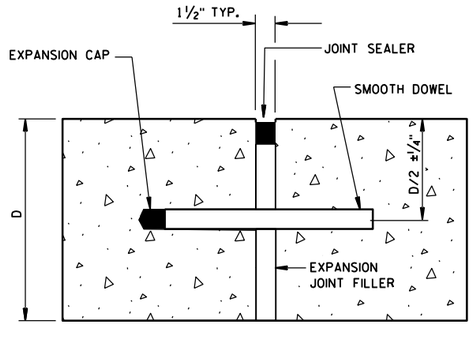
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

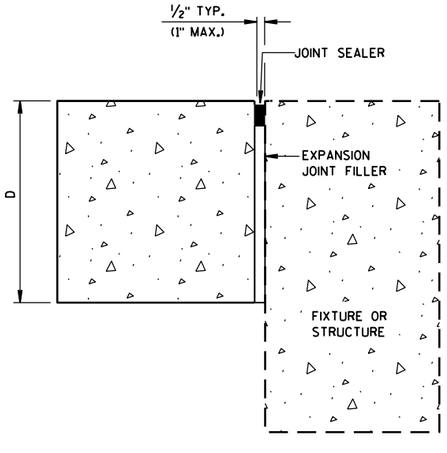
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

EXPANSION JOINTS

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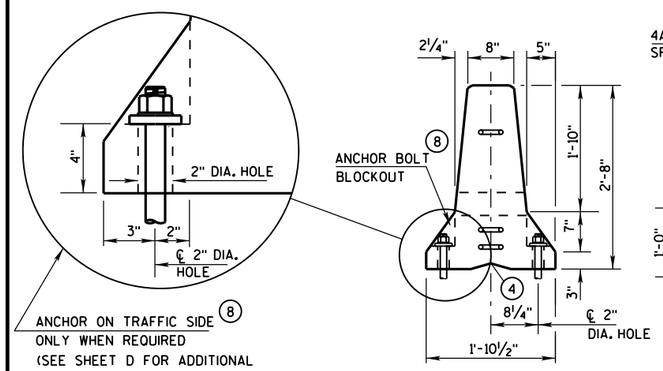
S.D.D. 13 C 18-5c

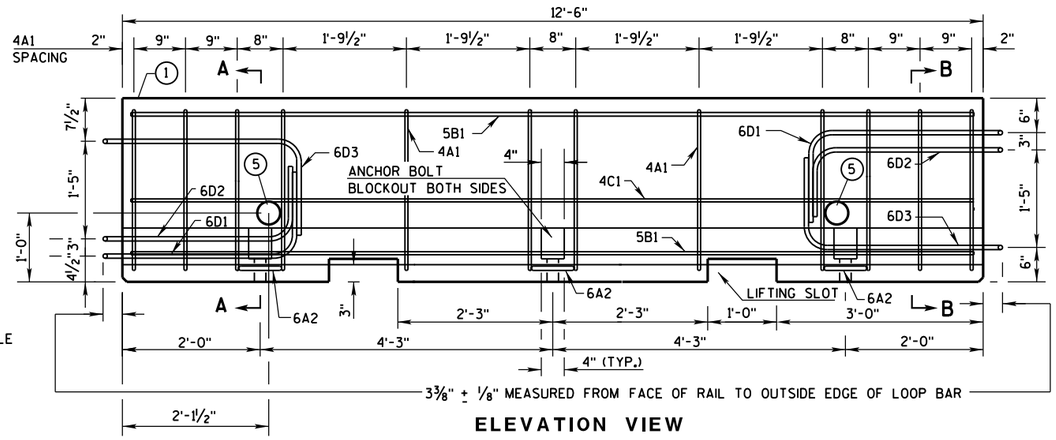
S.D.D. 13 C 18-5c

CONCRETE PAVEMENT
JOINT TYPES

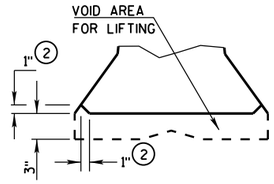
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI



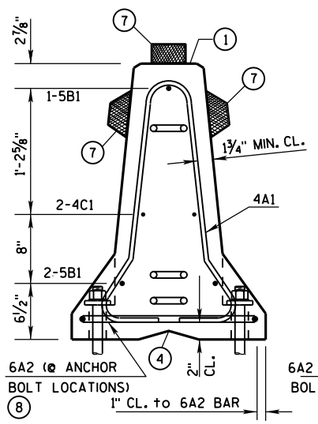
END VIEW



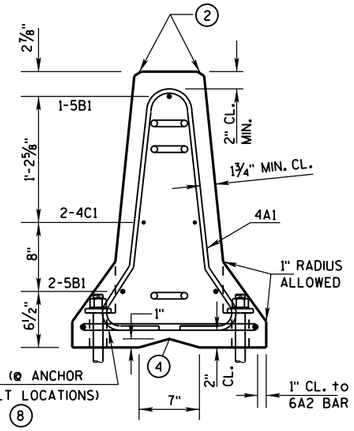
ELEVATION VIEW



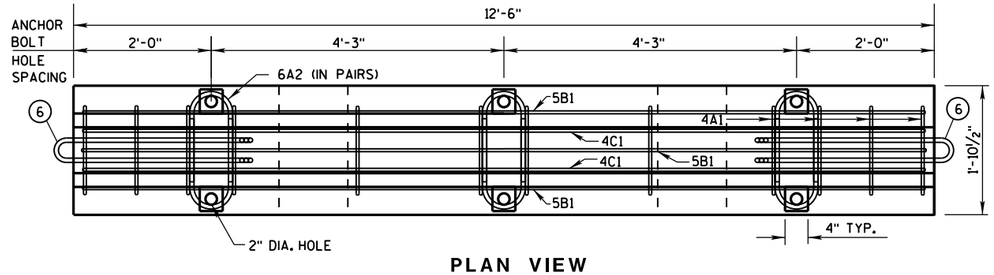
DETAIL "B"
LIFTING SLOT DETAIL



SECTION A-A
(STIRRUP PLACEMENT)

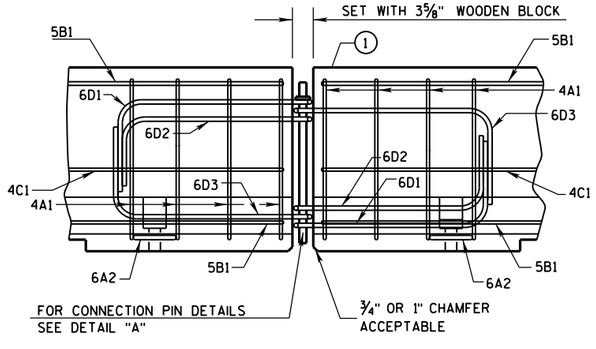


SECTION B-B
(STIRRUP PLACEMENT)

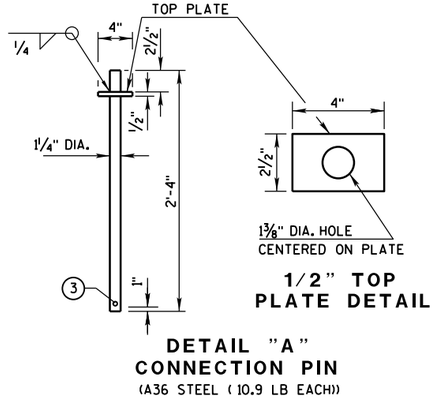


PLAN VIEW

DETAILS OF BARRIER SECTION

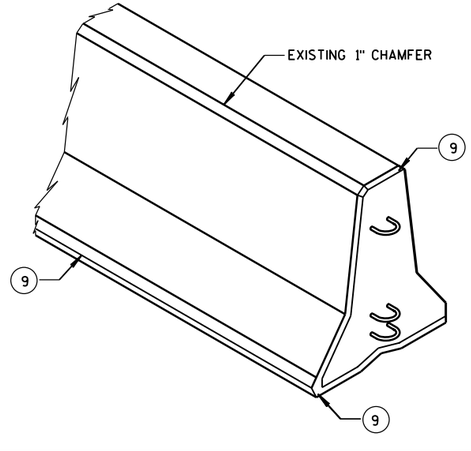


DETAILS OF BARRIER CONNECTION



1/2" TOP
PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-14(a) THRU 14B7-14(h).

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 ANCHORING CRITERIA.

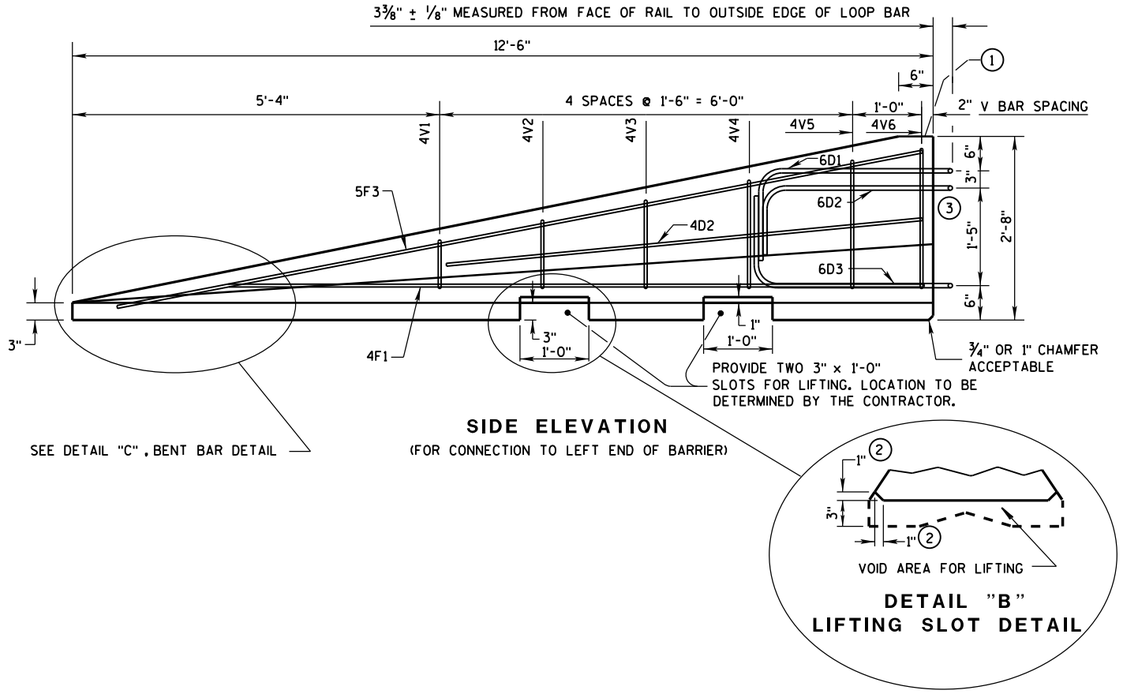
(9) 1" CHAMFER OPTIONAL.

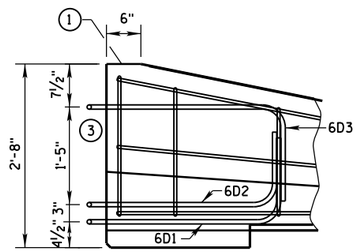
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

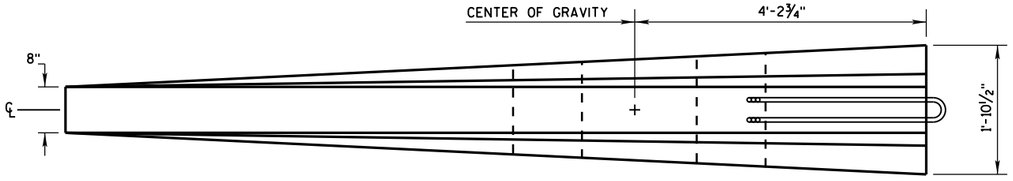
S.D.D. 14 B 7-14a

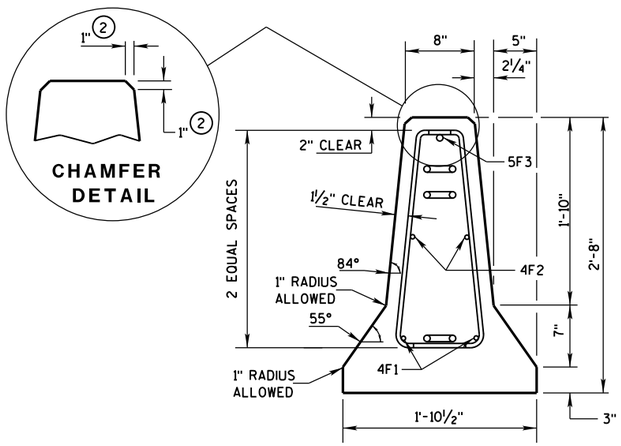


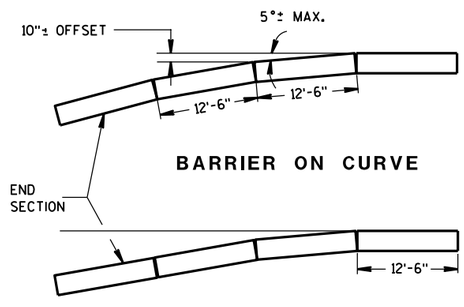


GENERAL NOTES

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

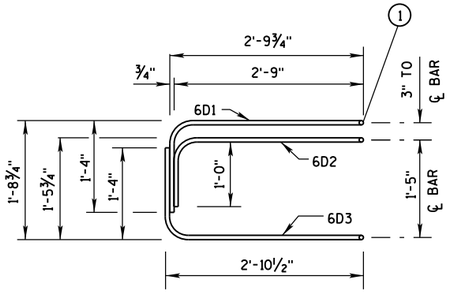
6

S.D.D. 14 B 7-14b

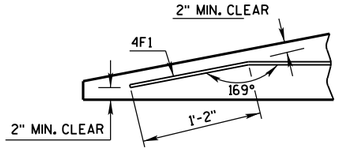
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

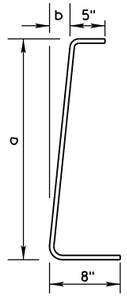
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



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

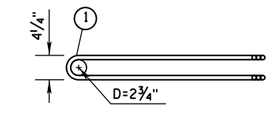
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

BARRIER SECTION BILL OF MATERIALS

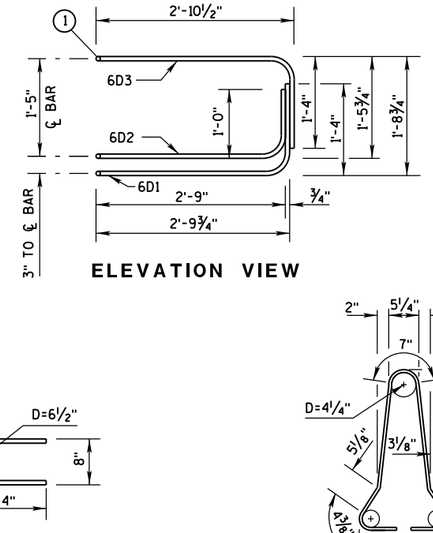
(PER 12'-6" BARRIER SECTION)

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"

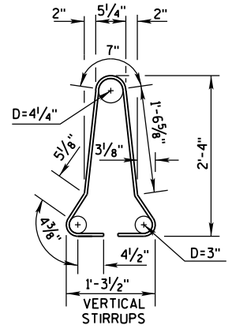


PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)

6A2



ELEVATION VIEW



4A1

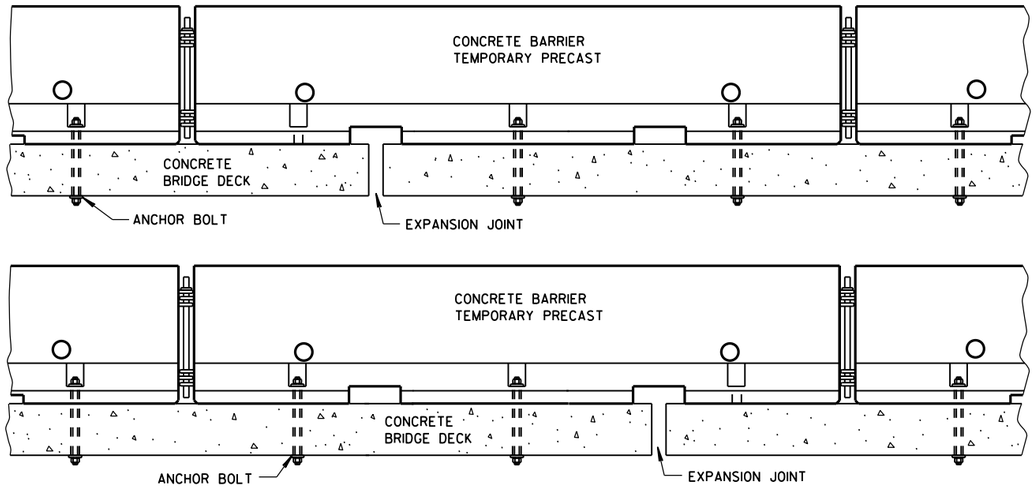
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

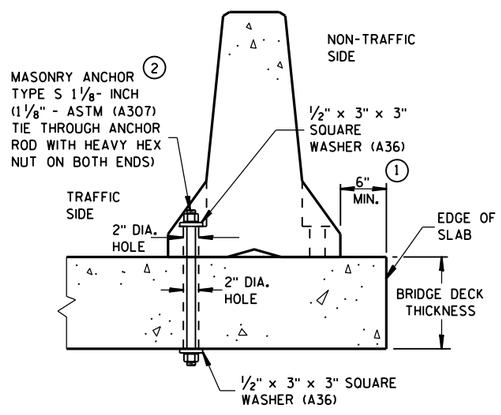
6

S.D.D. 14 B 7-14c



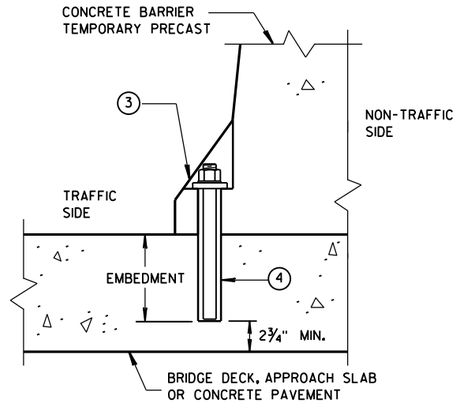
TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(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.)



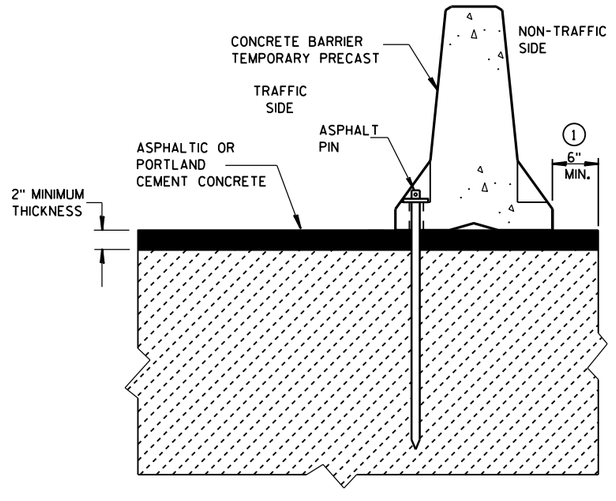
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)



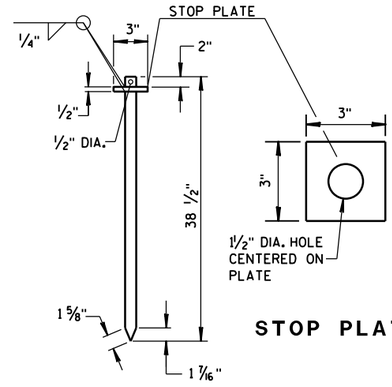
REMOVABLE ADHESIVE BONDED ANCHOR ② INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE

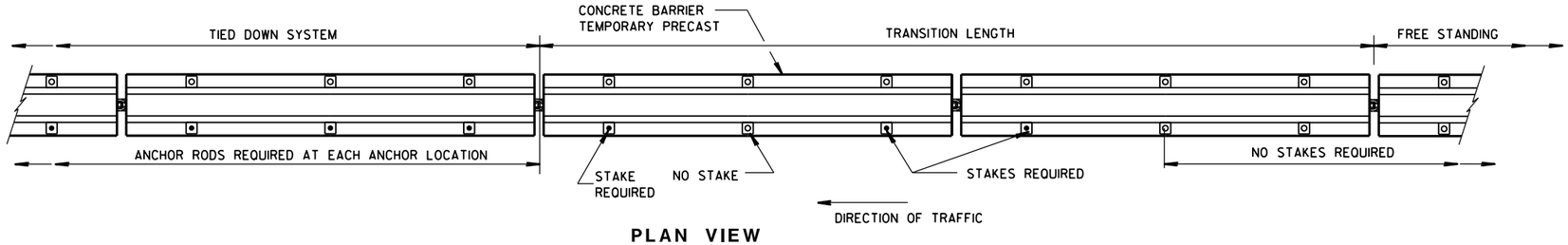
(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



STOP PLATE

ASPHALT 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.)

GENERAL NOTES

① CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" SHALL BE ANCHORED IF:
THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 4 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 45 MPH OR GREATER, OR

THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 2 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 40 MPH OR LESS.

② ANCHORING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST.

WITH THE APPROVAL OF THE ENGINEER, REMOVABLE ADHESIVE BONDED ANCHOR BOLT INSTALLATION MAY BE USED IN LIEU OF THROUGH BOLTED ANCHOR INSTALLATION. THE ADHESIVE BONDED ANCHOR BOLT MUST BE REMOVABLE. USE ASTM (A307) MASONRY ANCHORS TYPE S 1⅛-INCH, EMBEDDED TO A DEPTH SUFFICIENT TO DEVELOP THE ULTIMATE CAPACITY OF THE ANCHOR BOLT AND PROVIDE DOCUMENTATION TO CONFIRM THIS.

UPON REMOVAL OR RELOCATION OF THE BARRIER UNITS, REMOVE ALL ANCHOR BOLTS AND COMPLETELY FILL IN THE REMAINING HOLES IN CONCRETE BRIDGE DECKS, CONCRETE APPROACH SLABS AND CONCRETE PAVEMENTS THAT ARE TO REMAIN, WITH A NON-SHRINK COMMERICAL GROUT OR MATERIAL IDENTIFIED ON THE CURRENT WISDOT APPROVED PRODUCTS LIST.

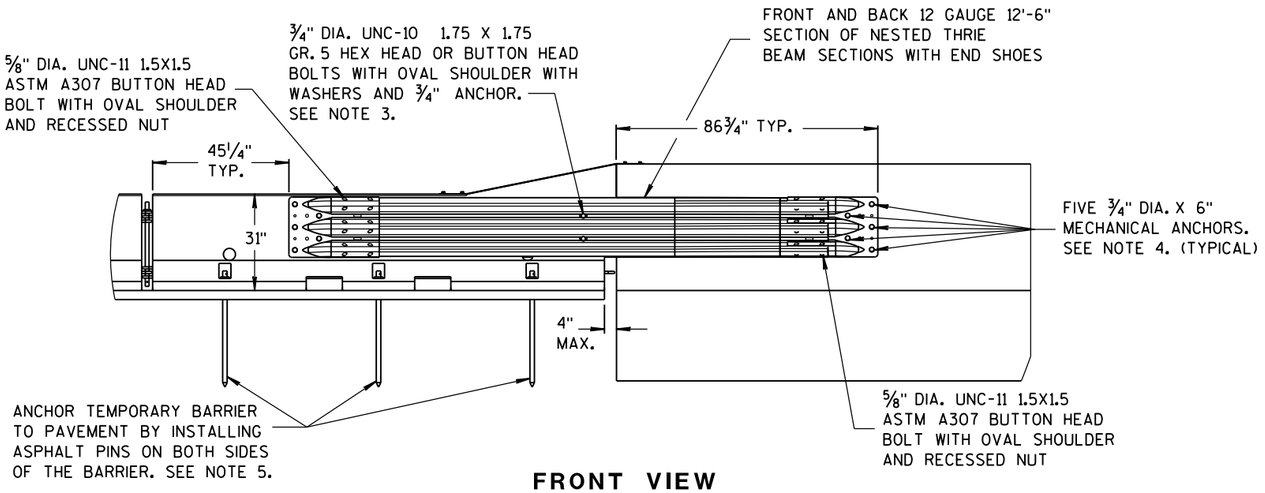
③ 1⅛" DIAMENTER A307 THREADED ROD, ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL, ASTM A563A HEAVY HEX NUT.

④ 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.

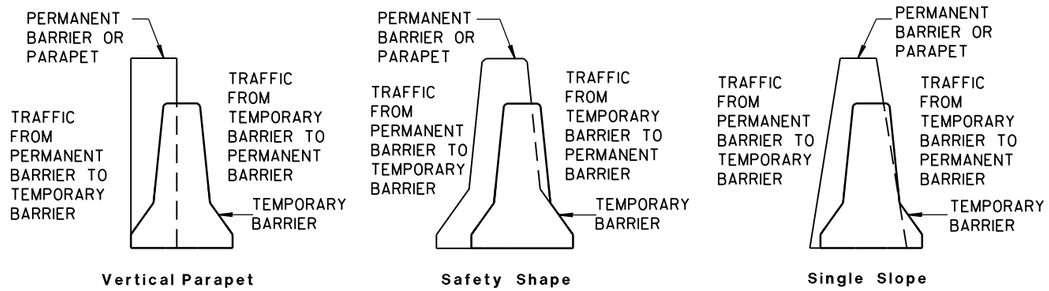
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-14d



FRONT VIEW

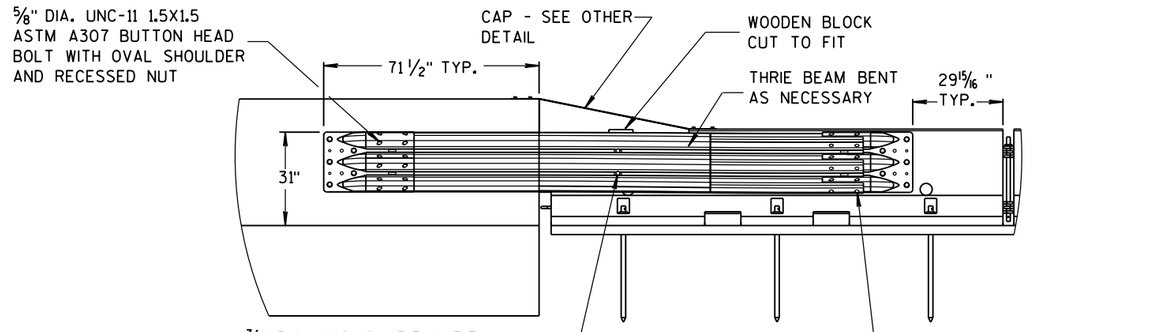


TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

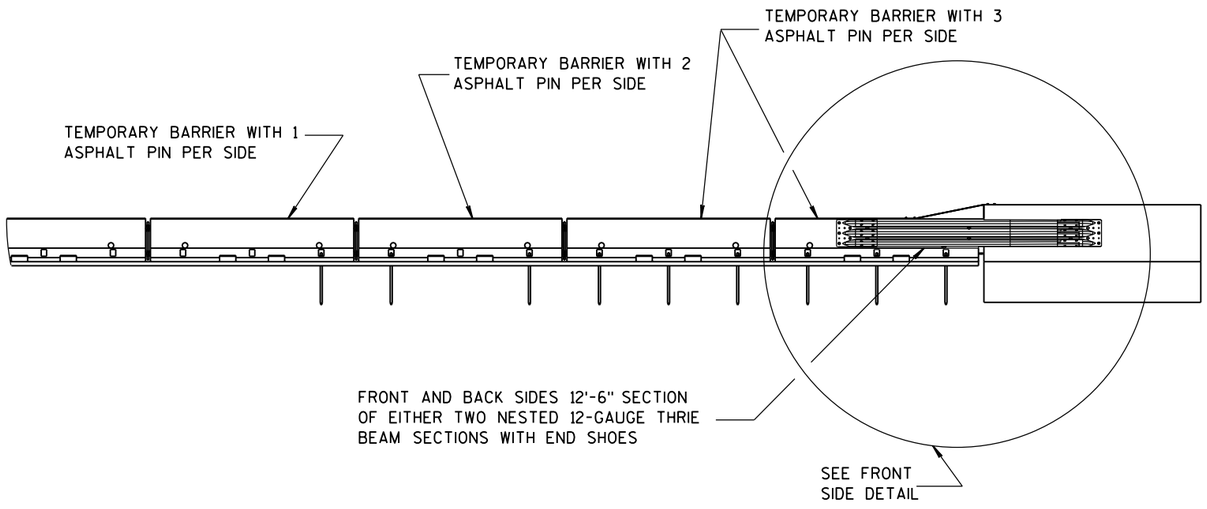
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.

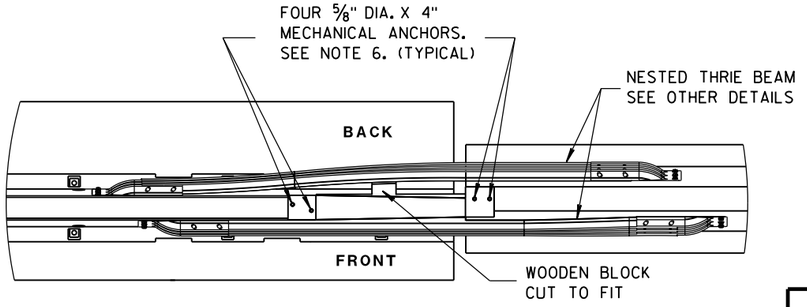
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 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.



BACK VIEW



FRONT VIEW



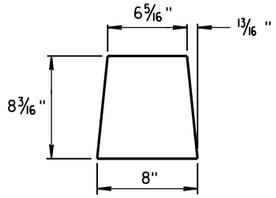
PLAN VIEW

BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

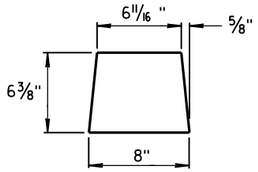
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

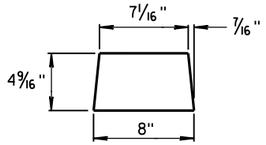
6
S.D.D. 14 B 7-14e



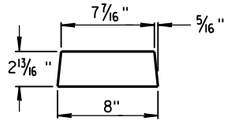
GUSSET 1



GUSSET 2

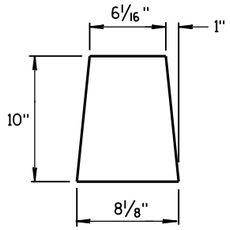


GUSSET 3

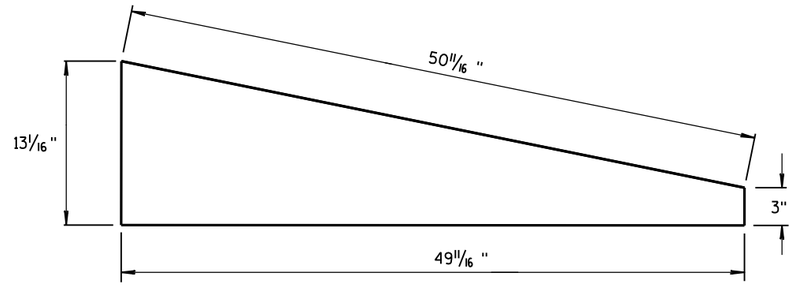


GUSSET 4

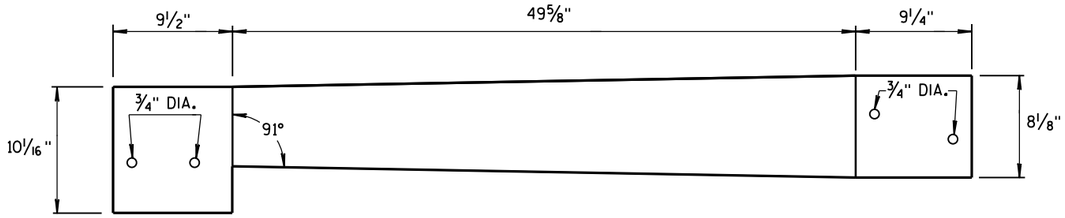
GUSSETS

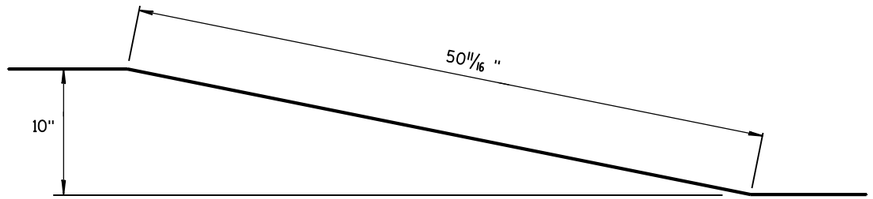


END PLATE



SIDE PLATE

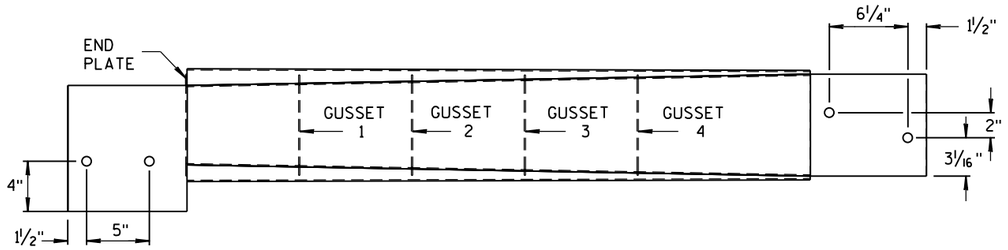


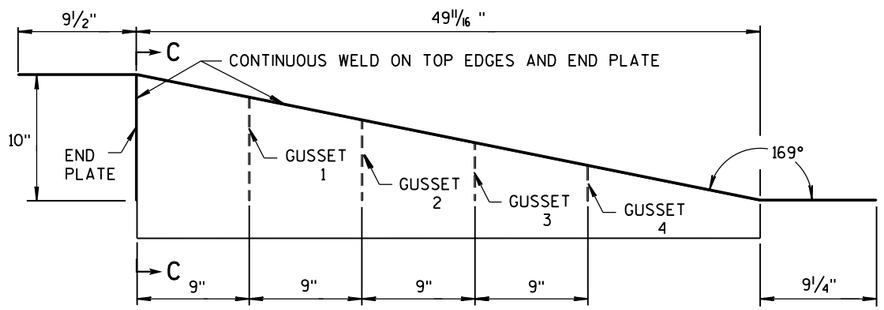


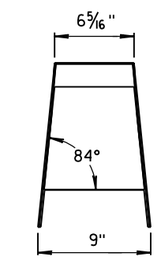
TOP PLATE

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.

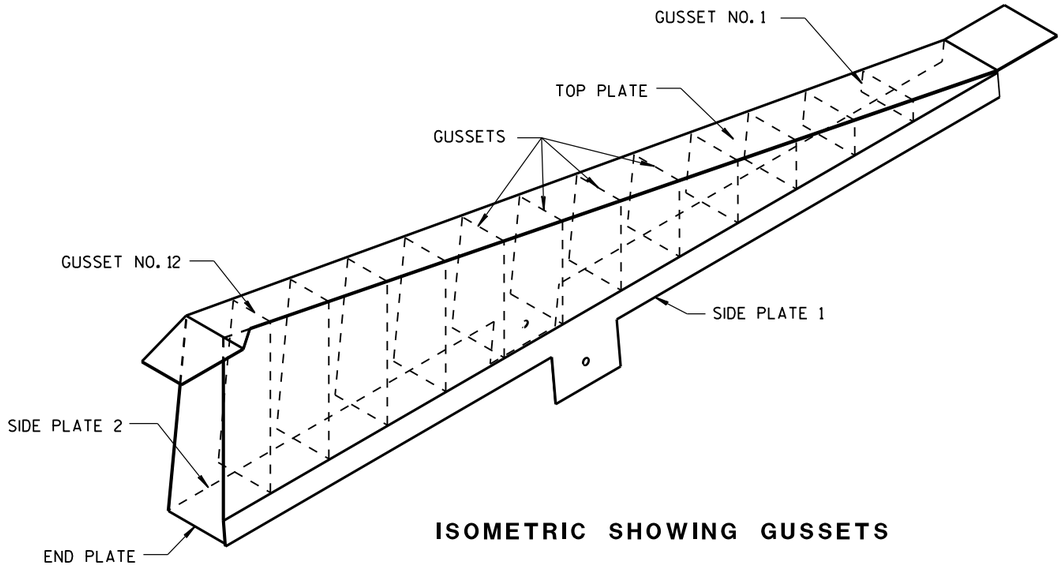
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

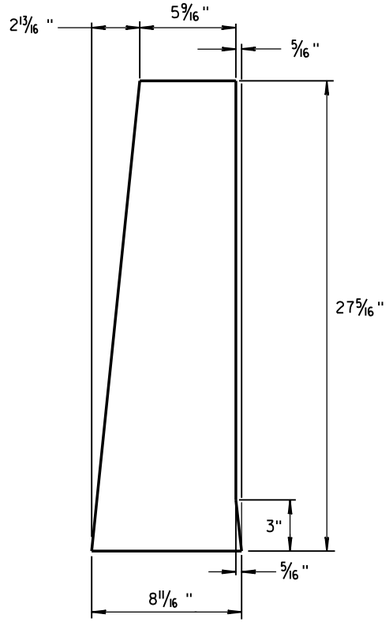
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 7-14f

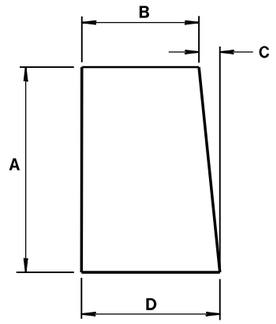


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



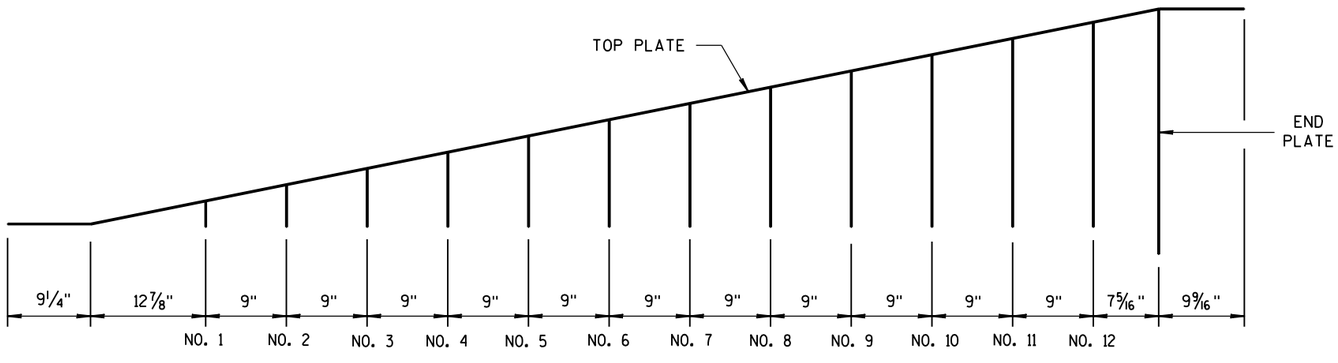
GUSSETS 1 - 12

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

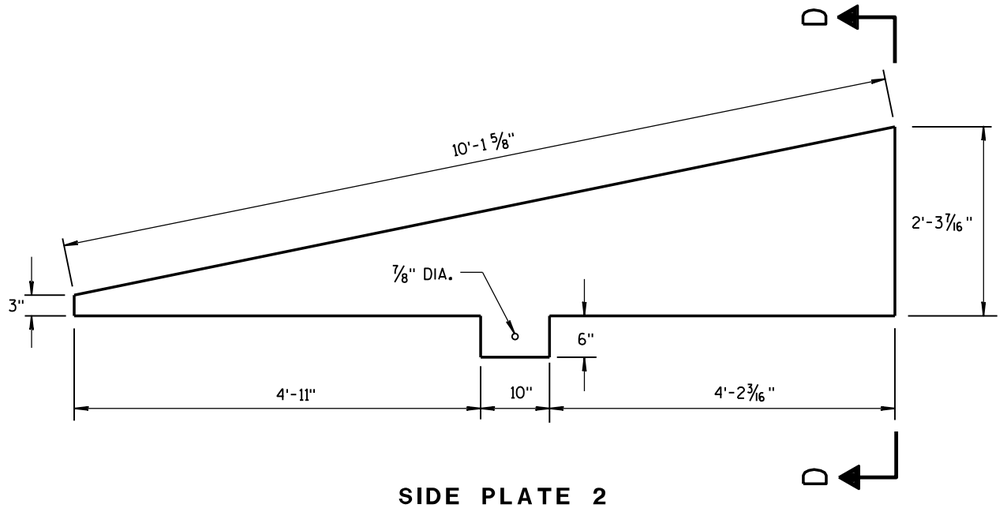
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

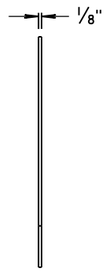
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

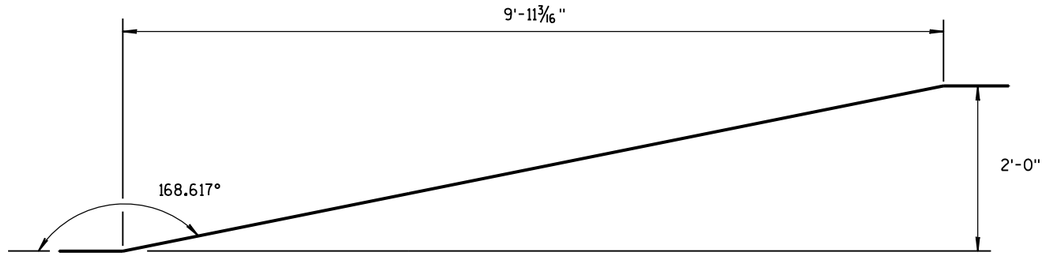
S.D.D. 14 B 7-14g



SIDE PLATE 2

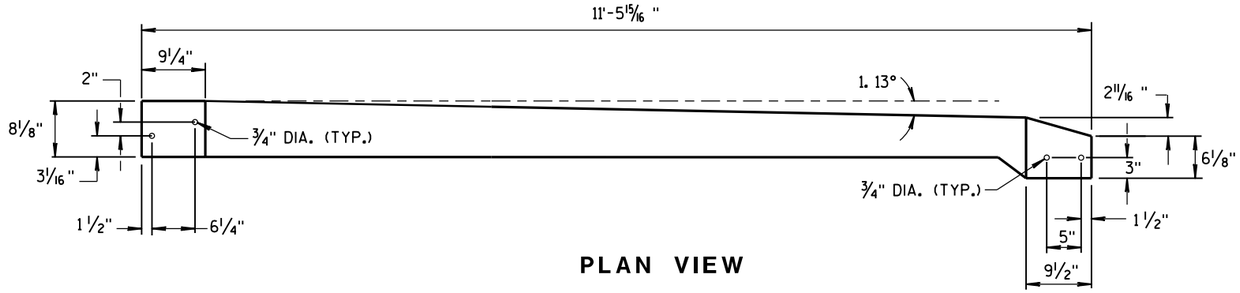


END VIEW



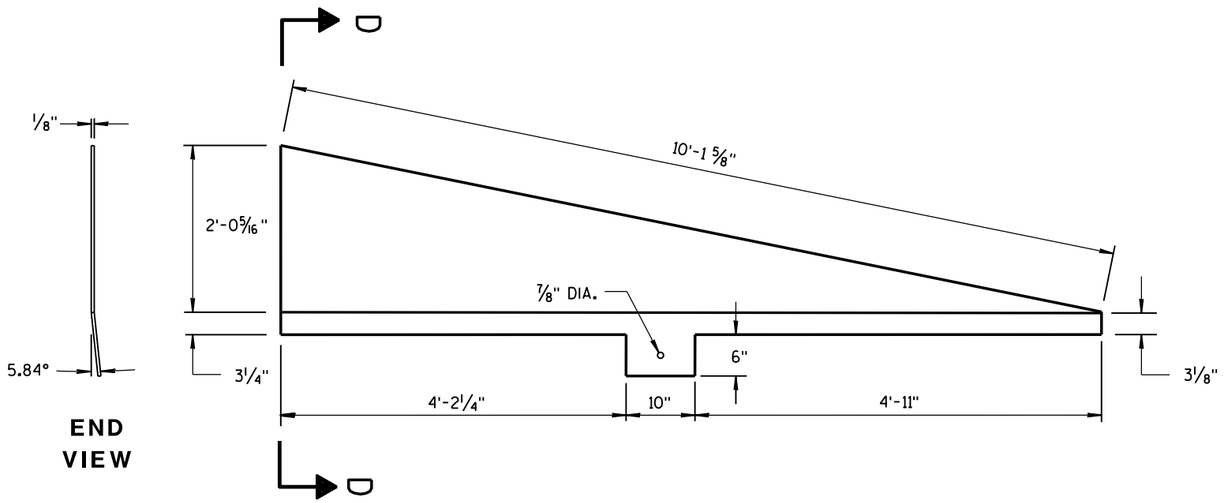
SIDE VIEW

TOP PLATE



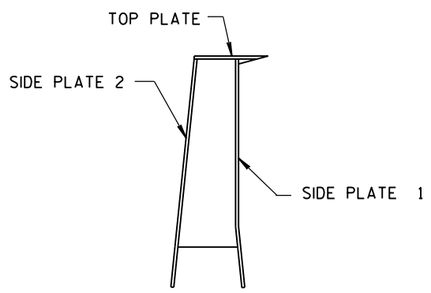
PLAN VIEW

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

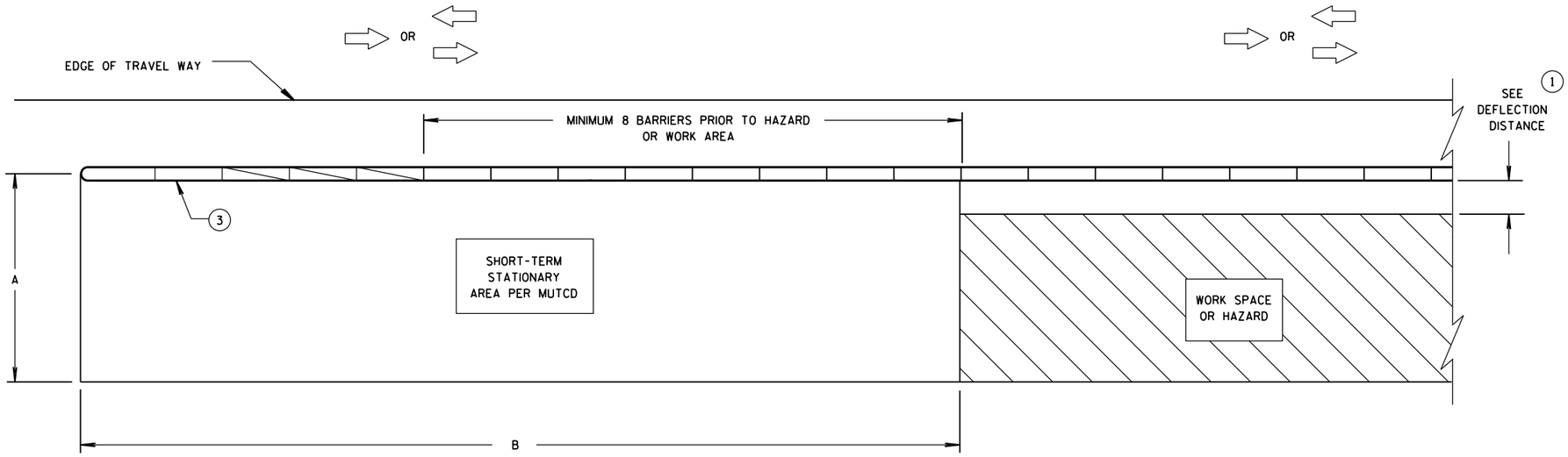
APPROVED
June 2014 — DATE
/S/ Jerry H. Zoaa — ROADWAY STANDARD DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 14 B 7-14h

6

S.D.D. 14 B 7-14h



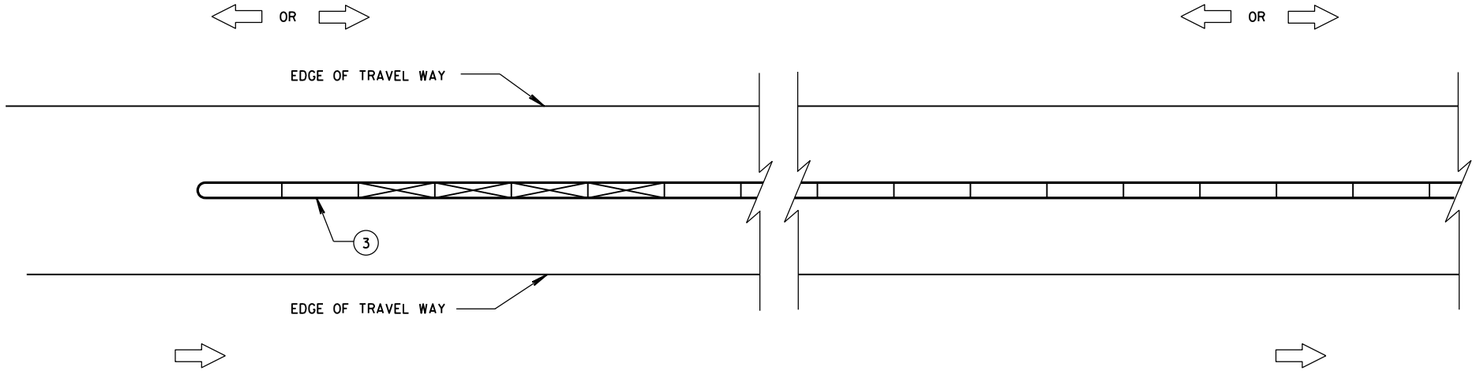
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

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.

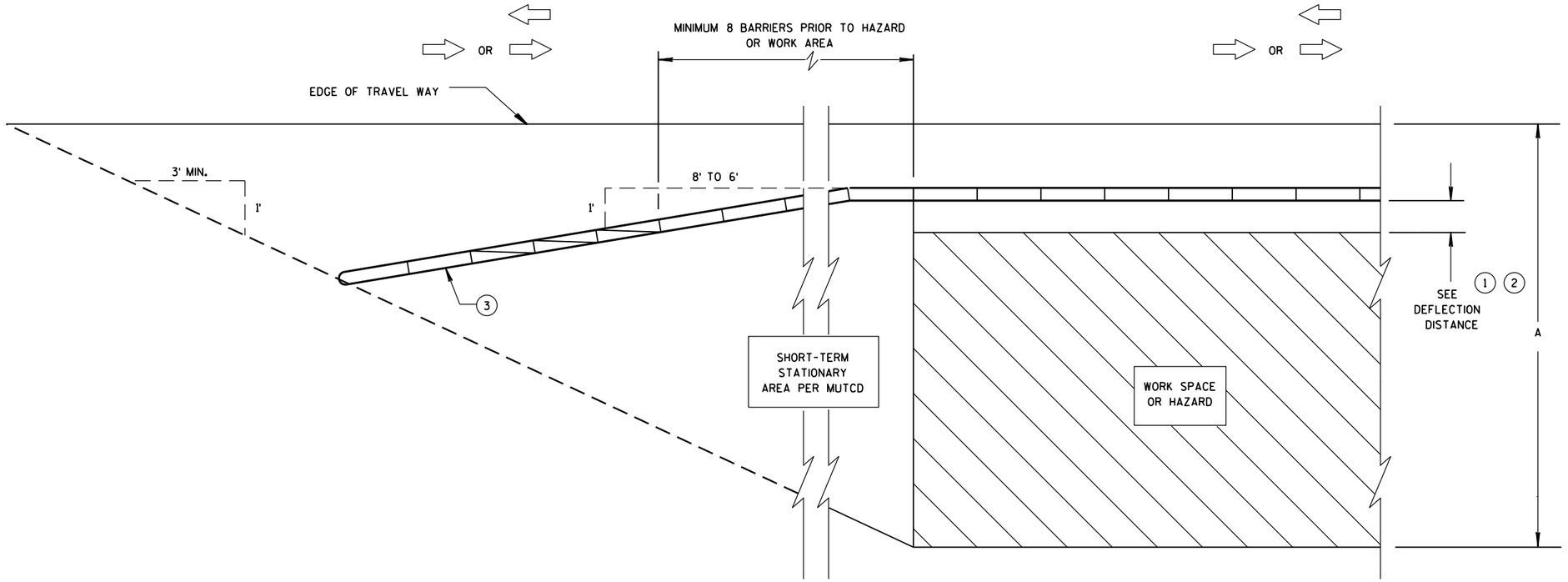
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

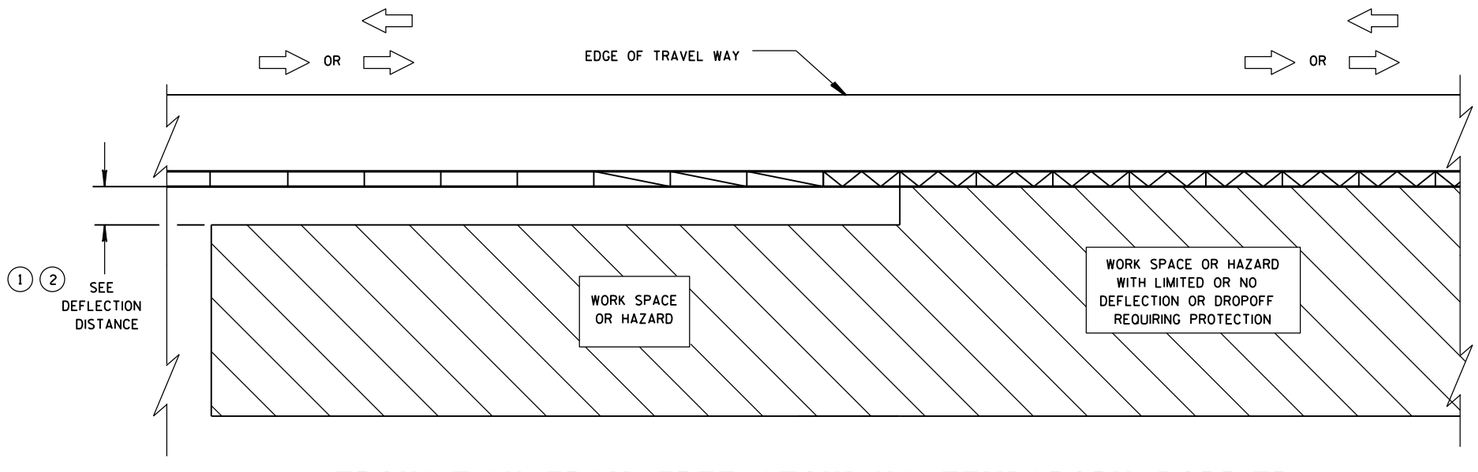
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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

6

S.D.D. 14 B 8-2b

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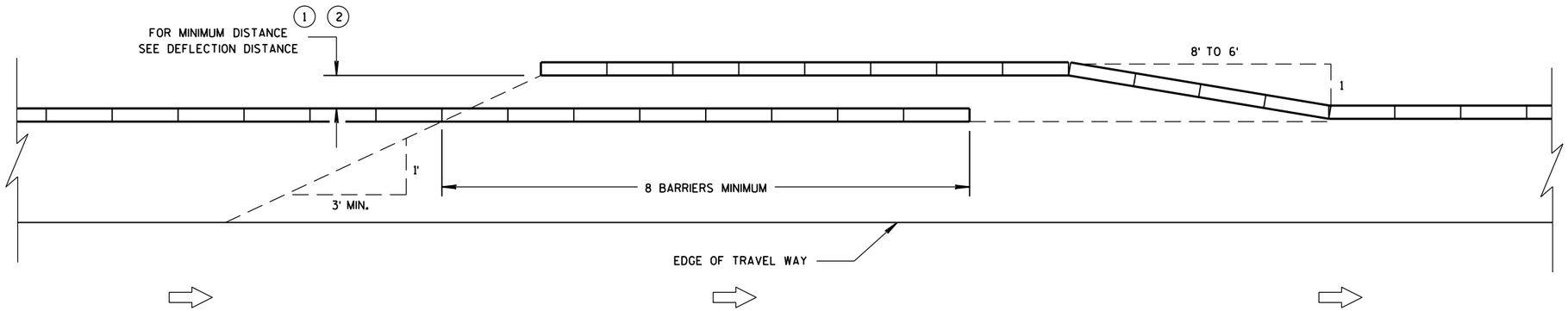
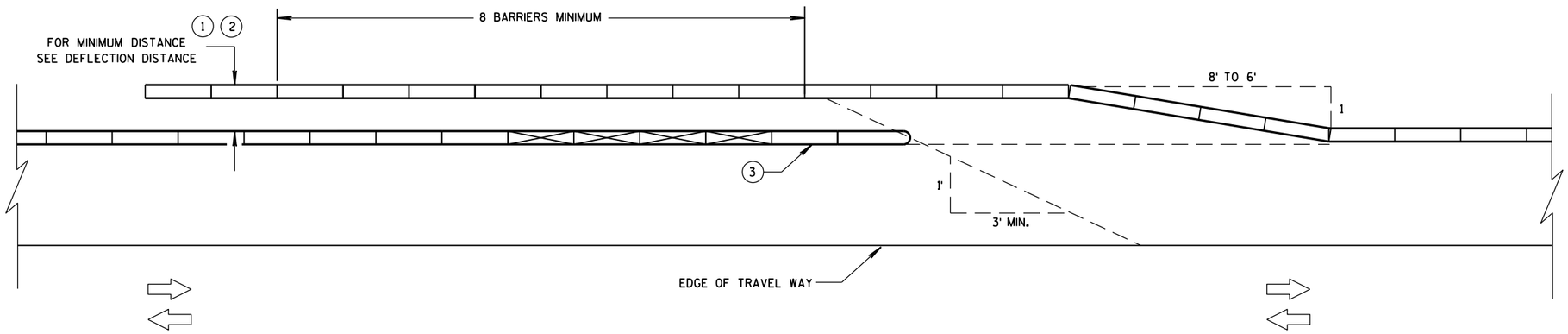
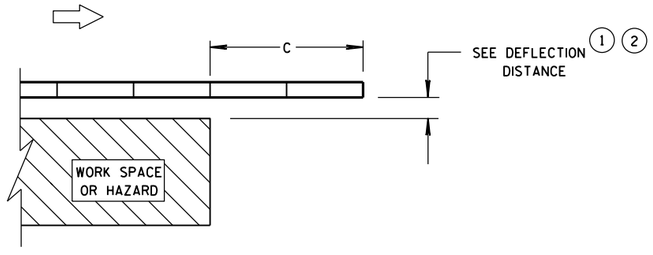
S.D.D. 14 B 8-2b



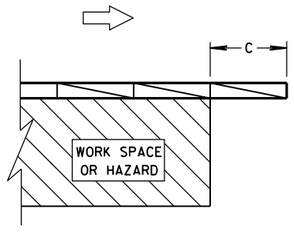
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

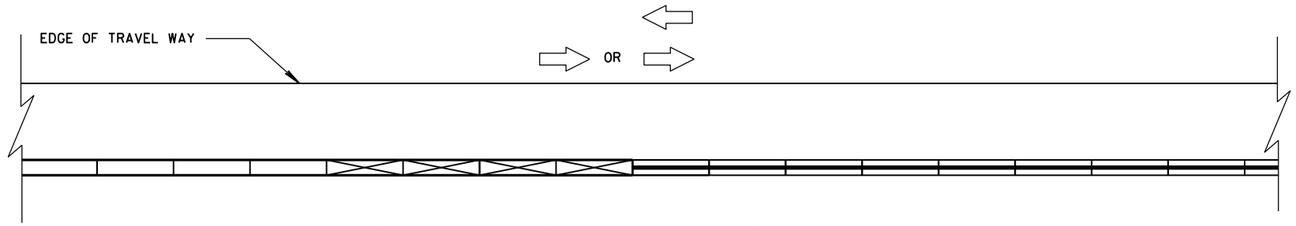
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

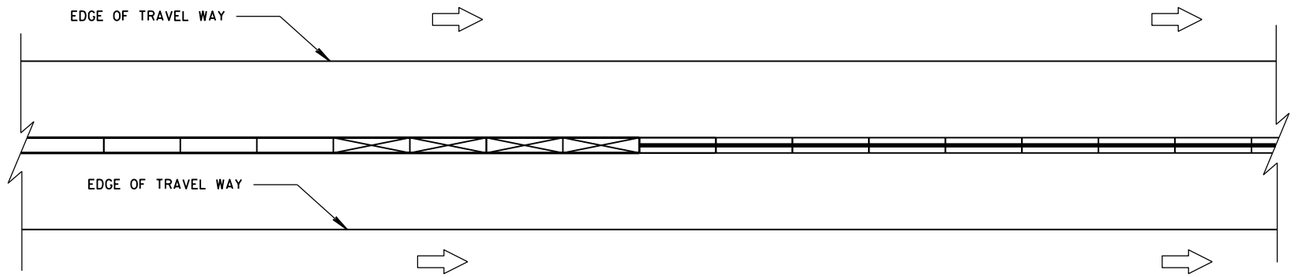
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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

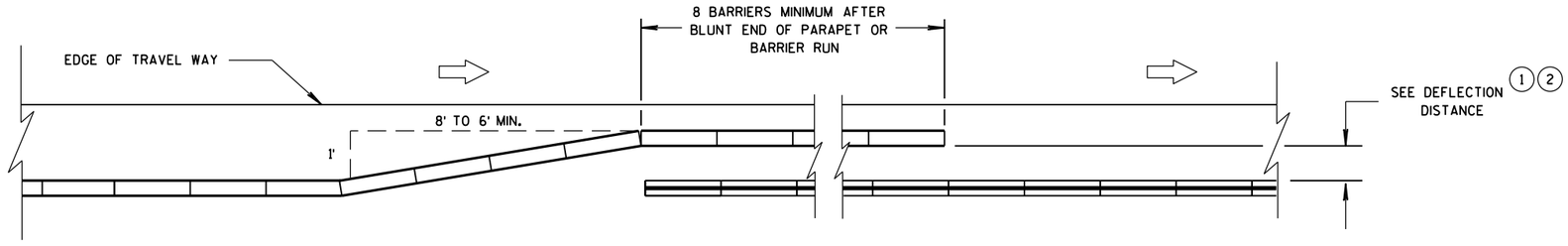
SEE FREE STANDING TRANSITION
TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION
TO TIED-DOWN SYSTEM DETAILS

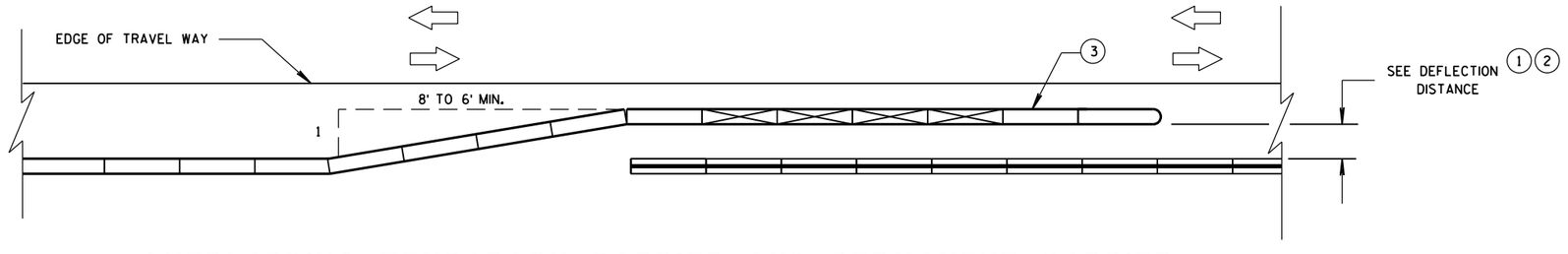
3 PINS PLACED ON
TRAFFIC SIDE OF BARRIER

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

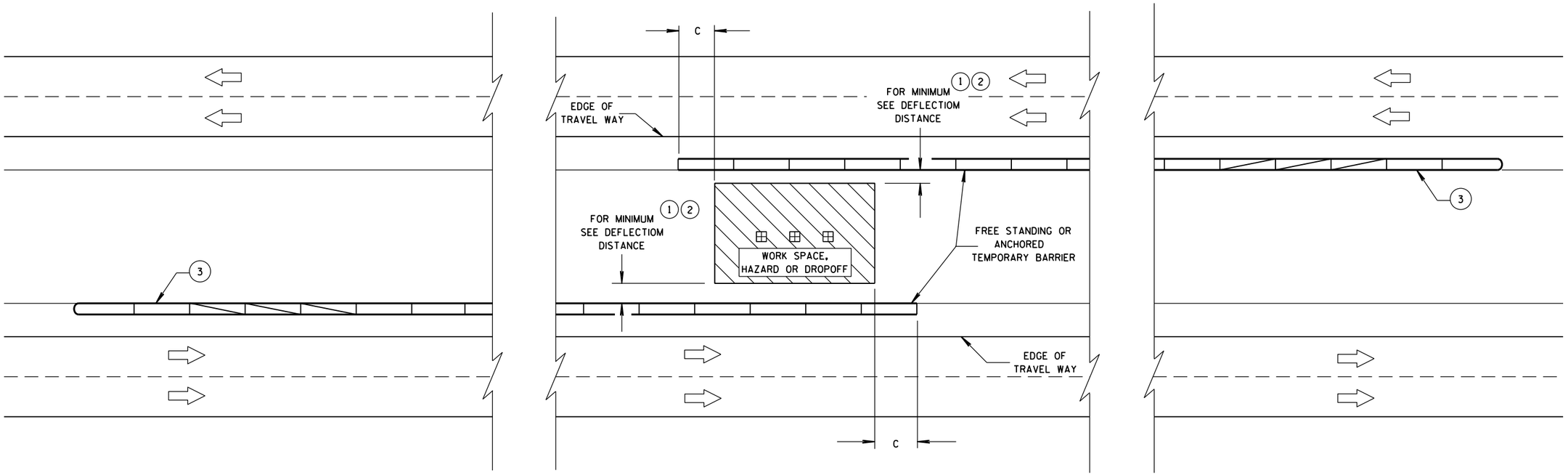
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

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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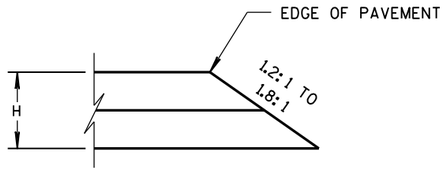
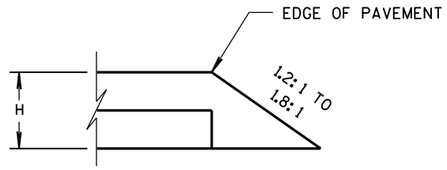
S.D.D. 14 B 8-2e



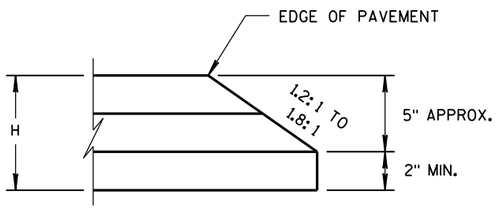
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



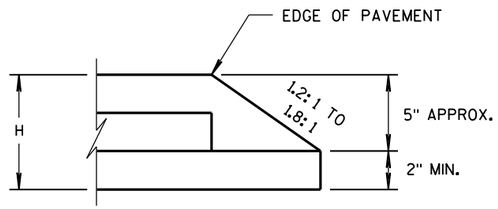
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

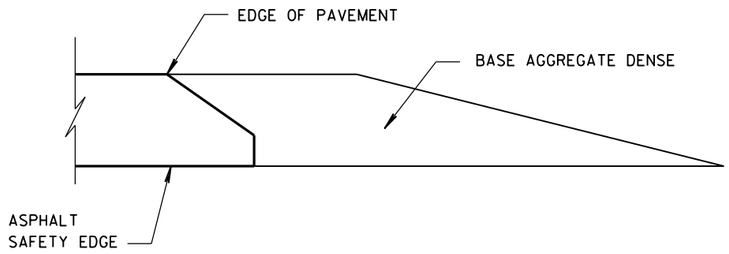
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

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S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

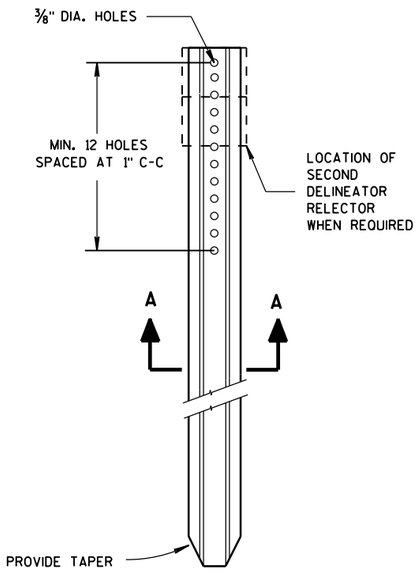
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

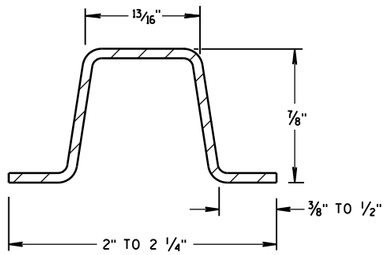
11/30/2012
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

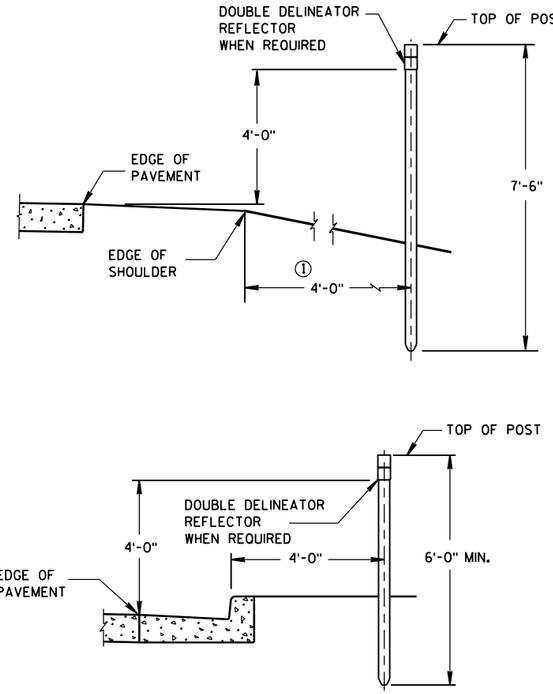


DELINEATOR POST



SECTION A-A

WEIGHT 1.12 LBS PER FT. ± 0.1 LB.

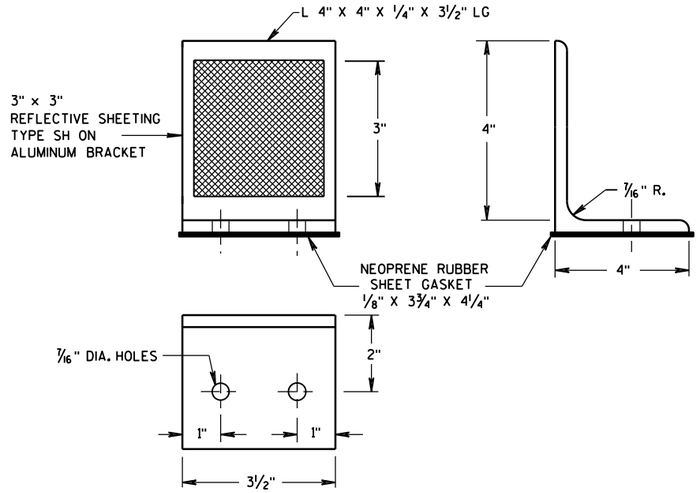


TYPICAL INSTALLATIONS OF DELINEATOR POSTS

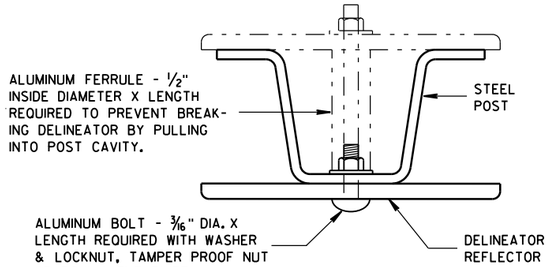
GENERAL NOTES

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

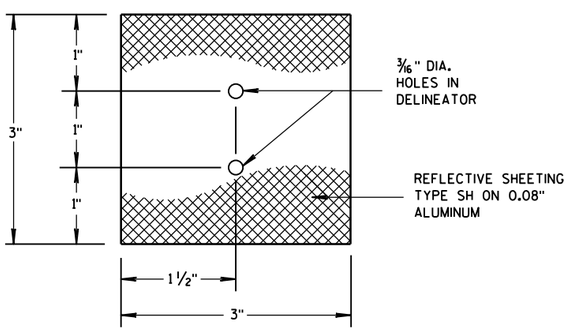
① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.



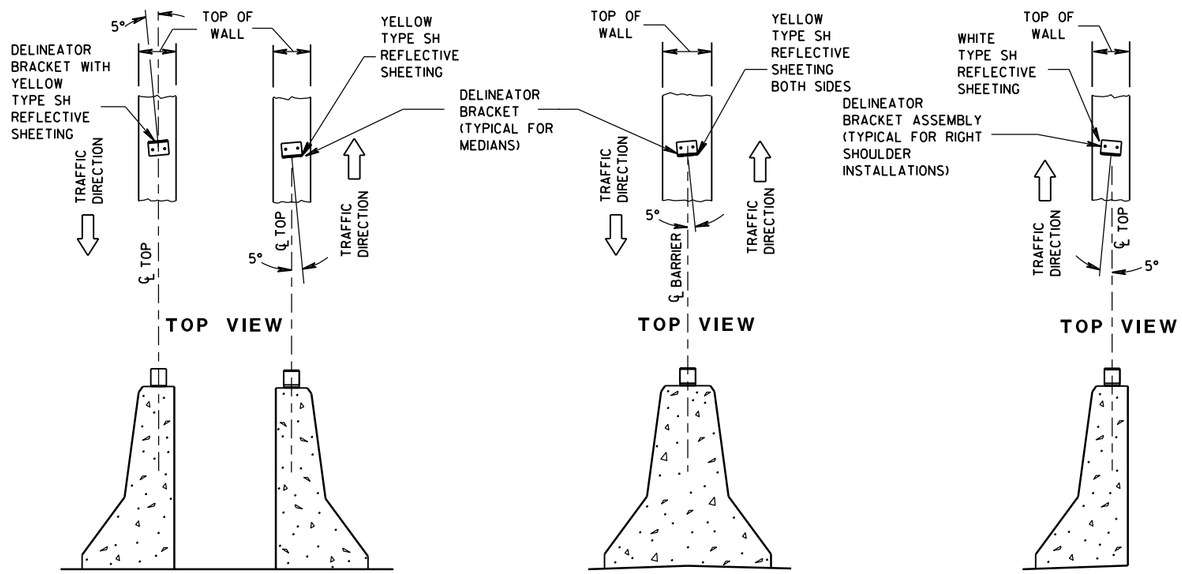
DELINEATOR BRACKET



MOUNTING DETAIL FOR DELINEATOR REFLECTOR

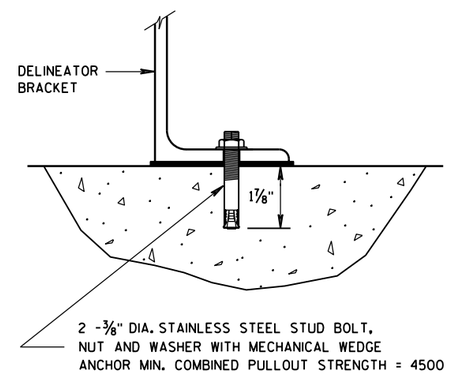


3"x 3" DELINEATOR REFLECTOR



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

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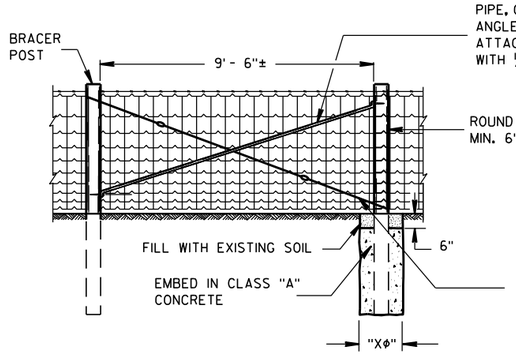
S.D.D. 15 A 2-9

6

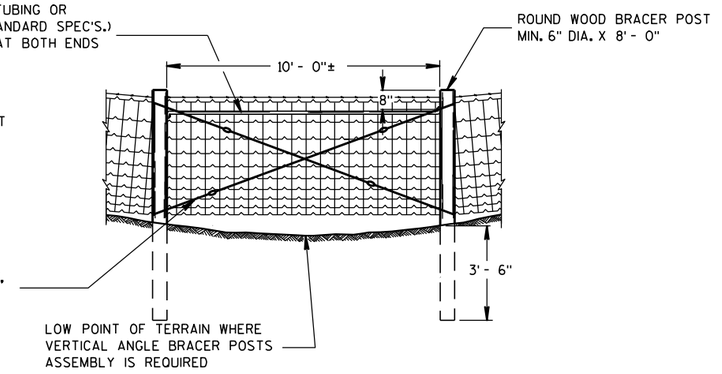
S.D.D. 15 A 2-9

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

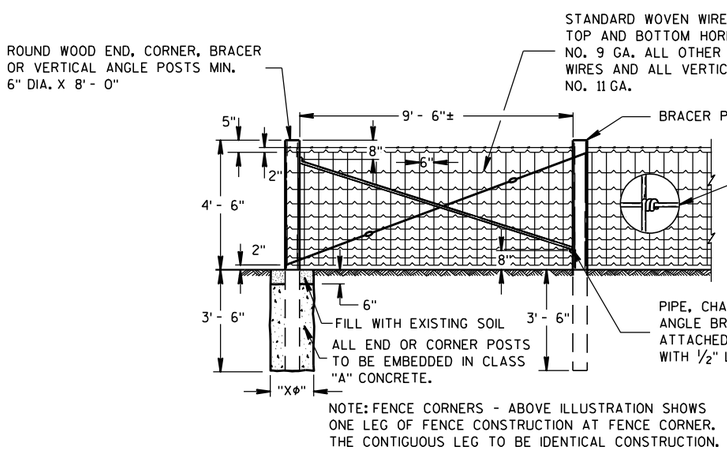
GENERAL NOTES

"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.

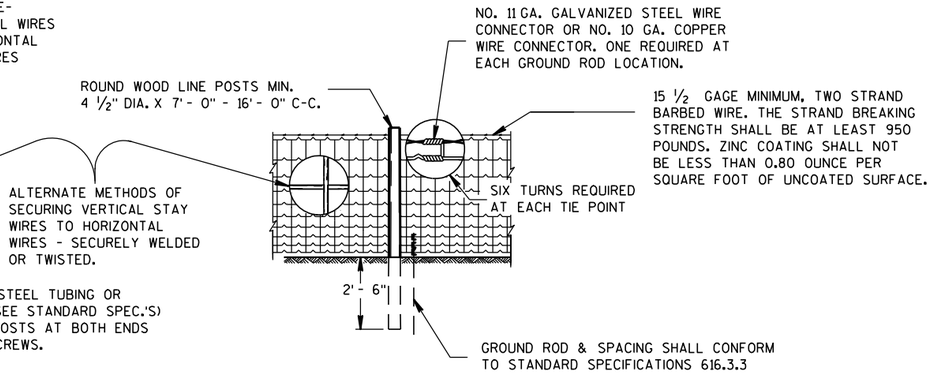
DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED 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.



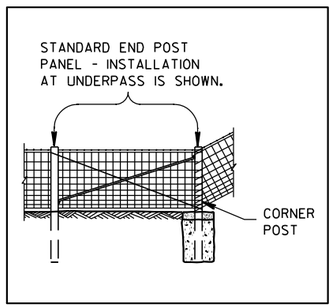
NOTE: FENCE CORNERS - ABOVE ILLUSTRATION SHOWS ONE LEG OF FENCE CONSTRUCTION AT FENCE CORNER. THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.

END OR CORNER POSTS ASSEMBLY

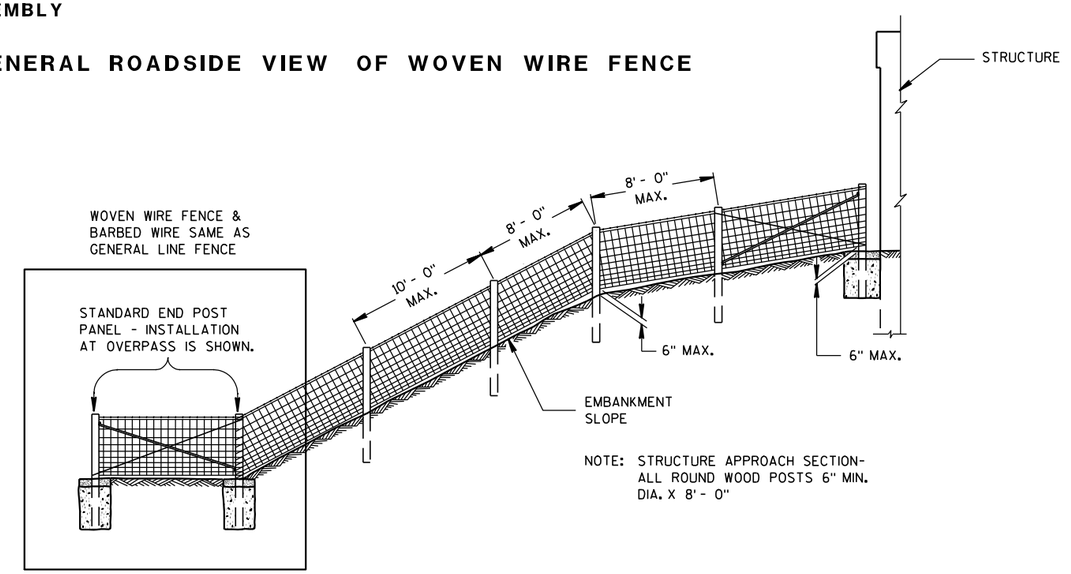


LINE FENCE CONSTRUCTION

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

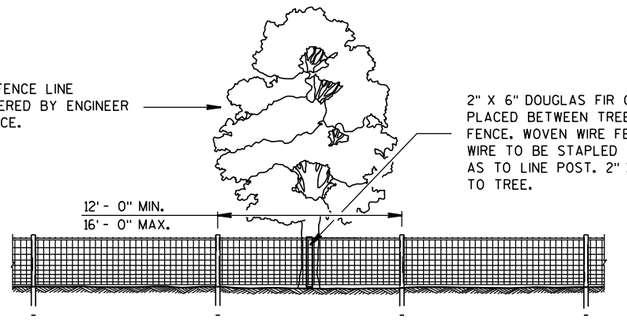
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

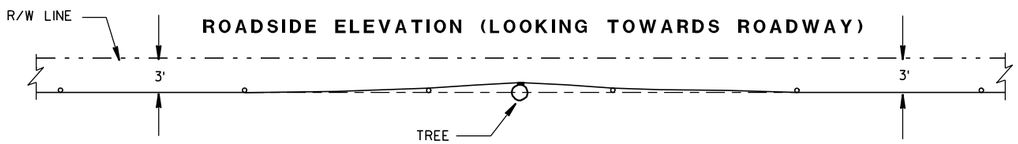
S.D.D. 15 B 1-8a

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.

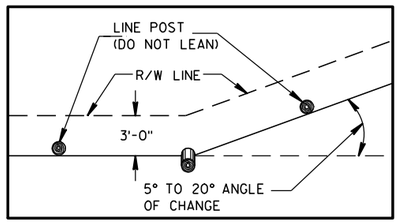


ROADSIDE ELEVATION (LOOKING TOWARDS ROADWAY)

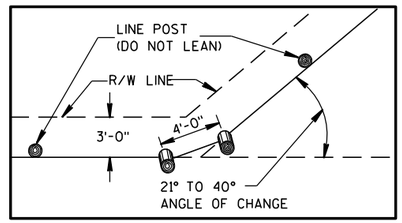


PLAN VIEW

FENCE DESIGN AT TREES REMAINING IN NORMAL FENCE LINE



PLAN VIEW
SINGLE POST CORNER

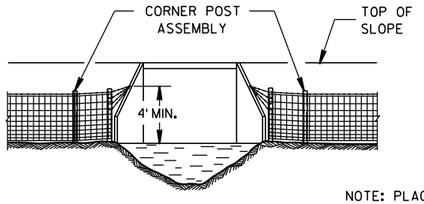


PLAN VIEW
DOUBLE POST CORNER

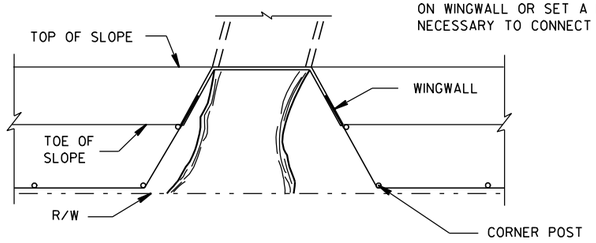
RIGHT OF WAY LINE CHANGE 40° AND LESS

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.

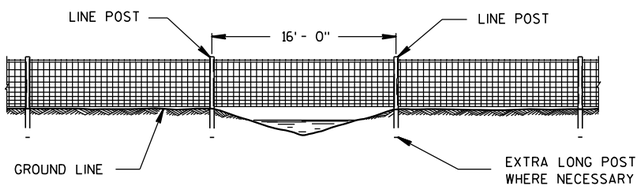
WHEN THE RIGHT OF WAY LINE CHANGE IS MORE THAN 40° USE THE CORNER OR STRETCHER POSTS ASSEMBLY.



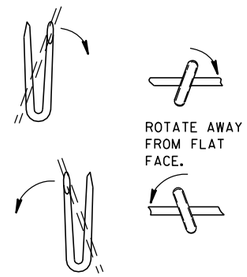
NOTE: PLACE A MINIMUM OF 4 STRANDS OF BARBED WIRE, 6" MAXIMUM CENTERS IN FAN SHAPE CONNECTED TO AN EYE BOLT ON WINGWALL OR SET A LONE POST WHEN NECESSARY TO CONNECT BARBED WIRE.



FENCE INSTALLATION TO WINGWALLS

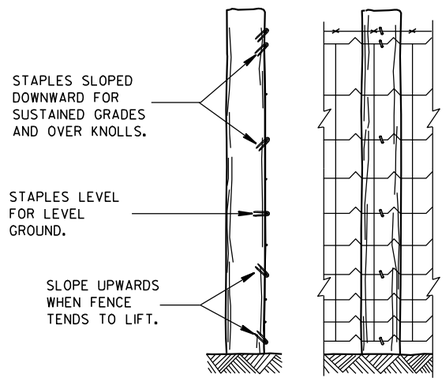


FENCE CONSTRUCTION OVER STREAM COURSES OF 15 FT. OR LESS IN WIDTH



LINE POST

NOTE: WHEN POSTS ARE DRIVEN THE SMALL END SHALL BE DOWN.

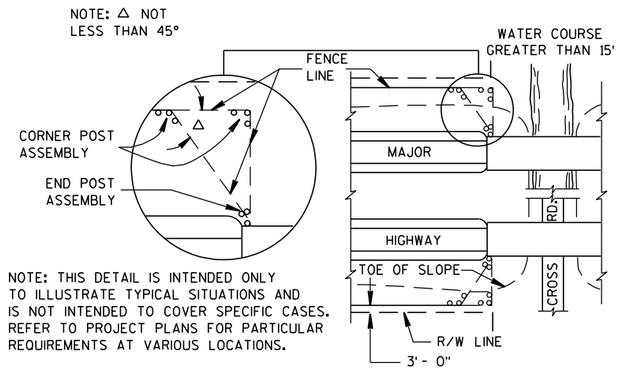


END ELEVATION

FARM SIDE ELEVATION

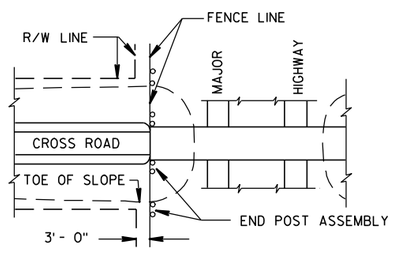
FENCE MOUNTING DETAIL

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

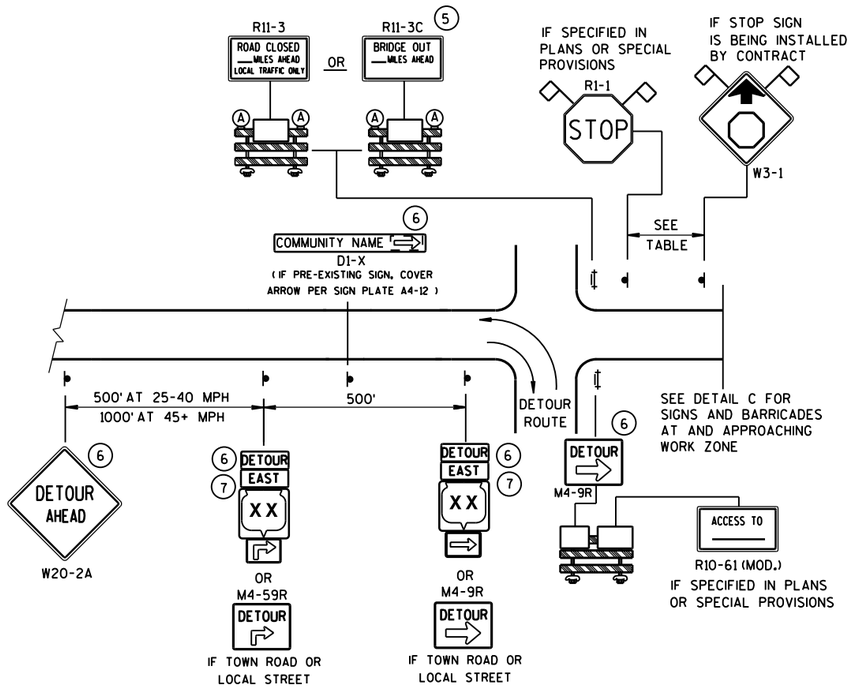
FENCE WOVEN WIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/4/2008
DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS [illegible]
ENGINEER
FHWA

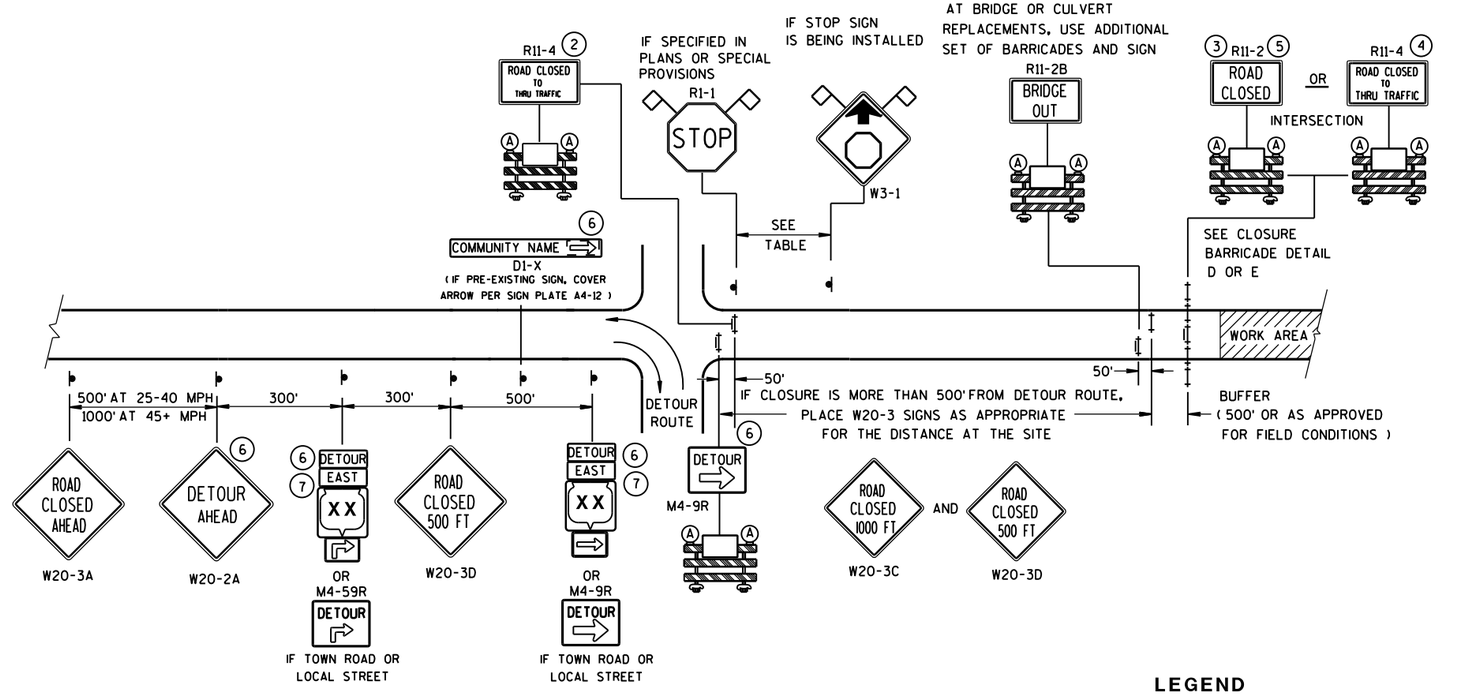
6

S.D.D. 15 B 1-8b



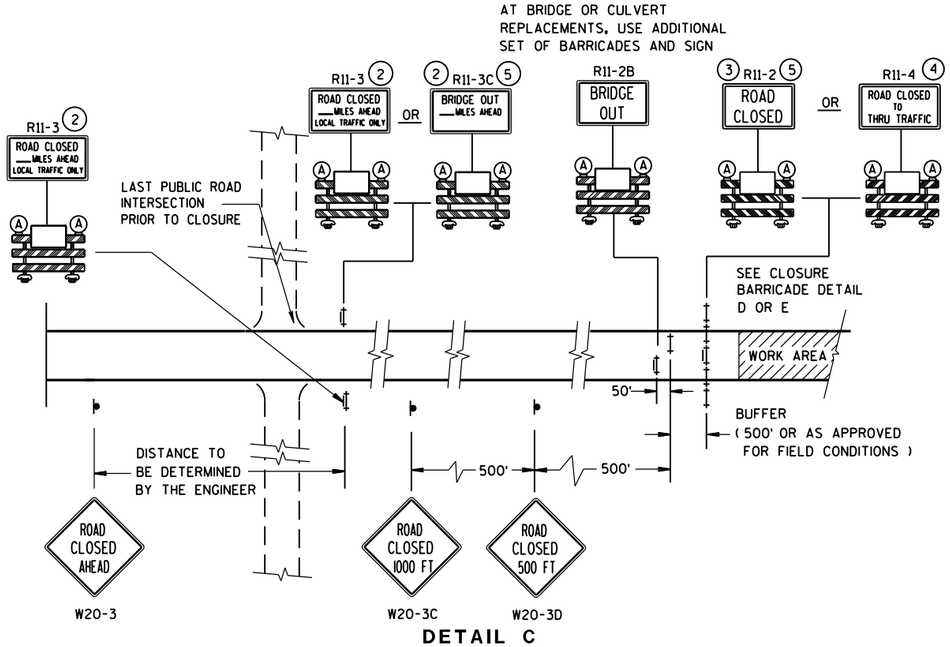
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

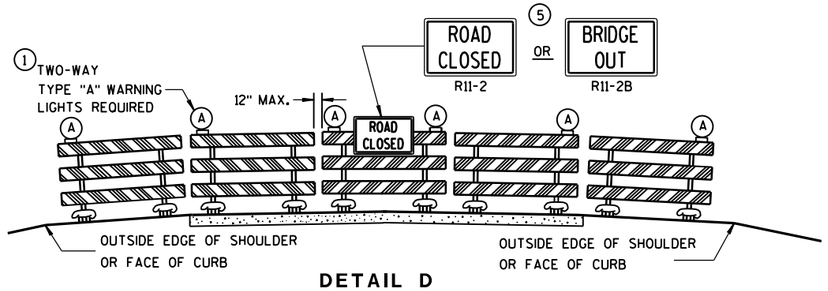
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 C 2-6a

6

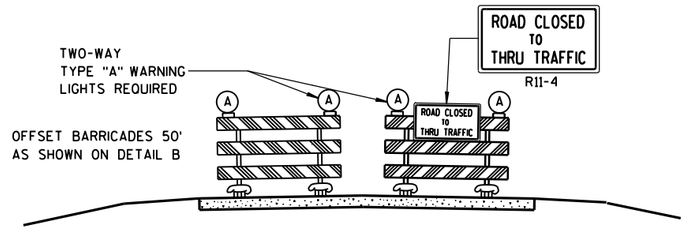
S.D.D. 15 C 2-6a



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

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S.D.D. 15 C 2-6b

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.

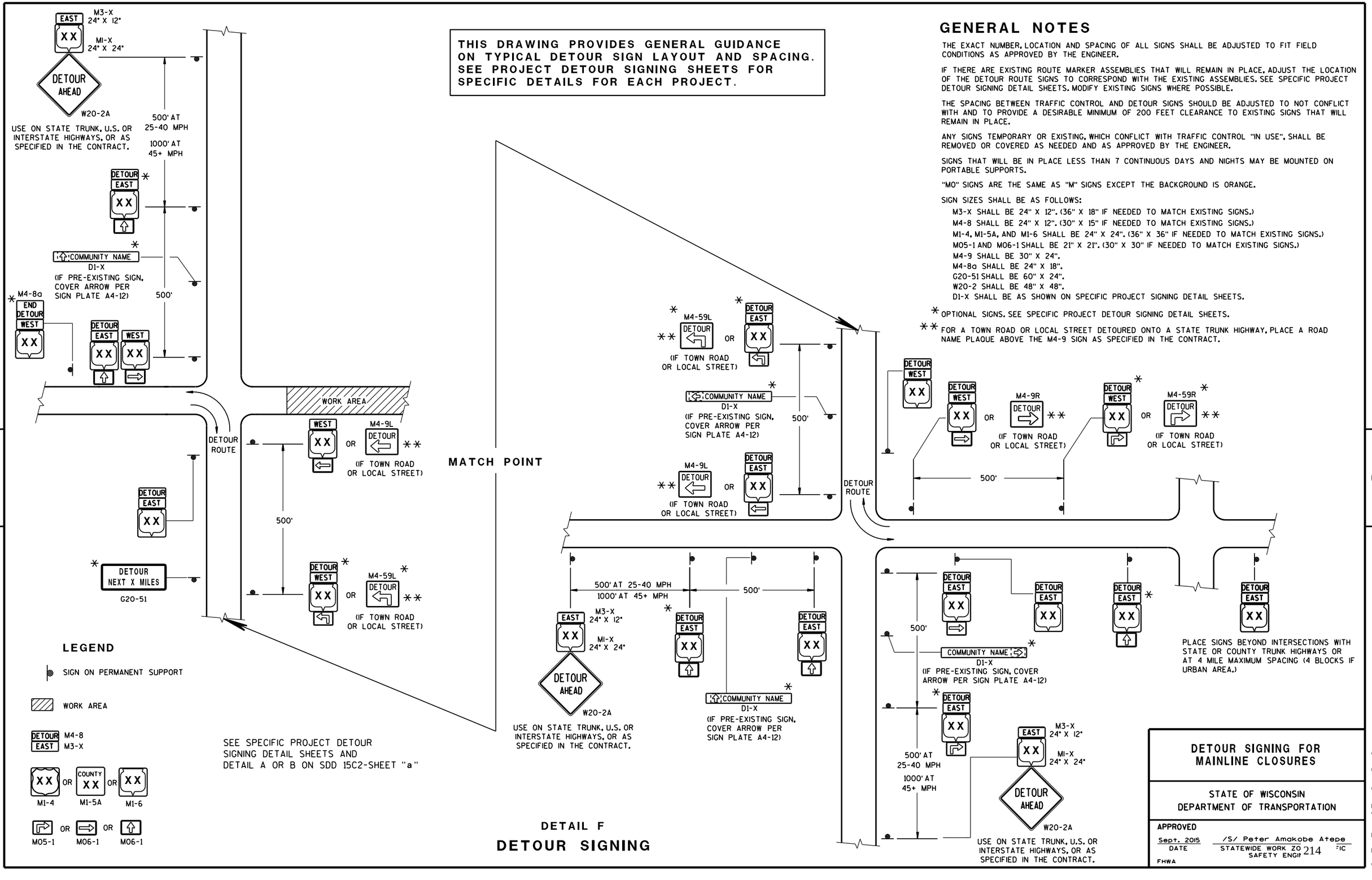
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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.



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
- MO5-1 OR MO6-1 OR MO6-1

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

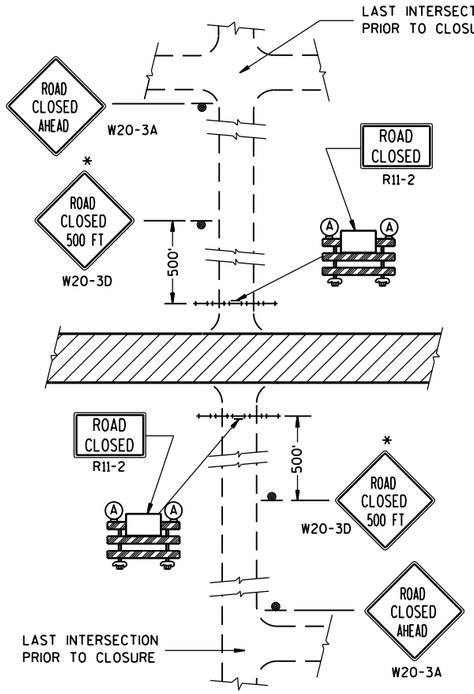
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

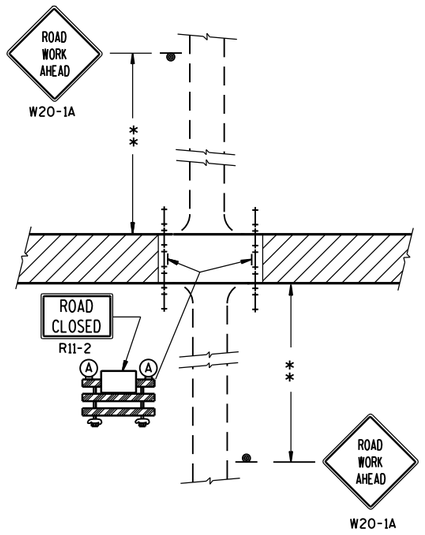
6

S.D.D. 15 C 2-6c



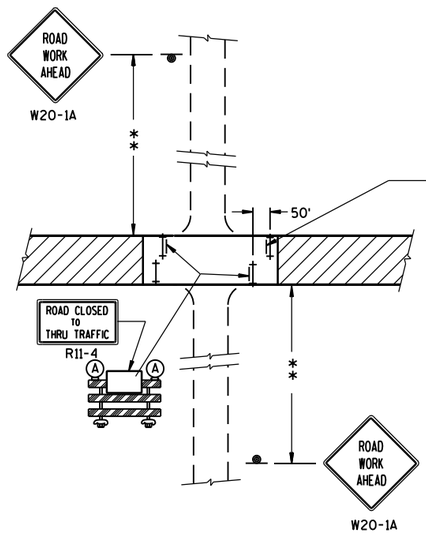
DETAIL 1

(NO ACCESS TO PROJECT)



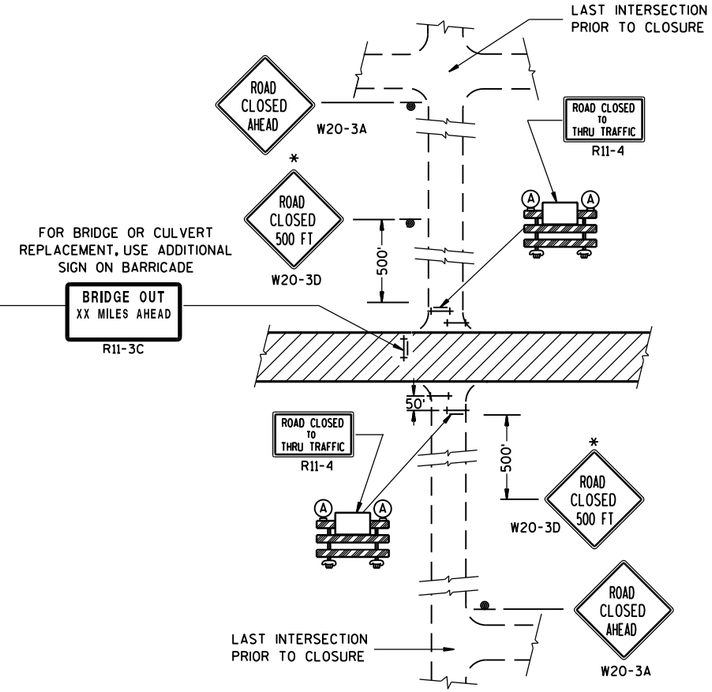
DETAIL 2

(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

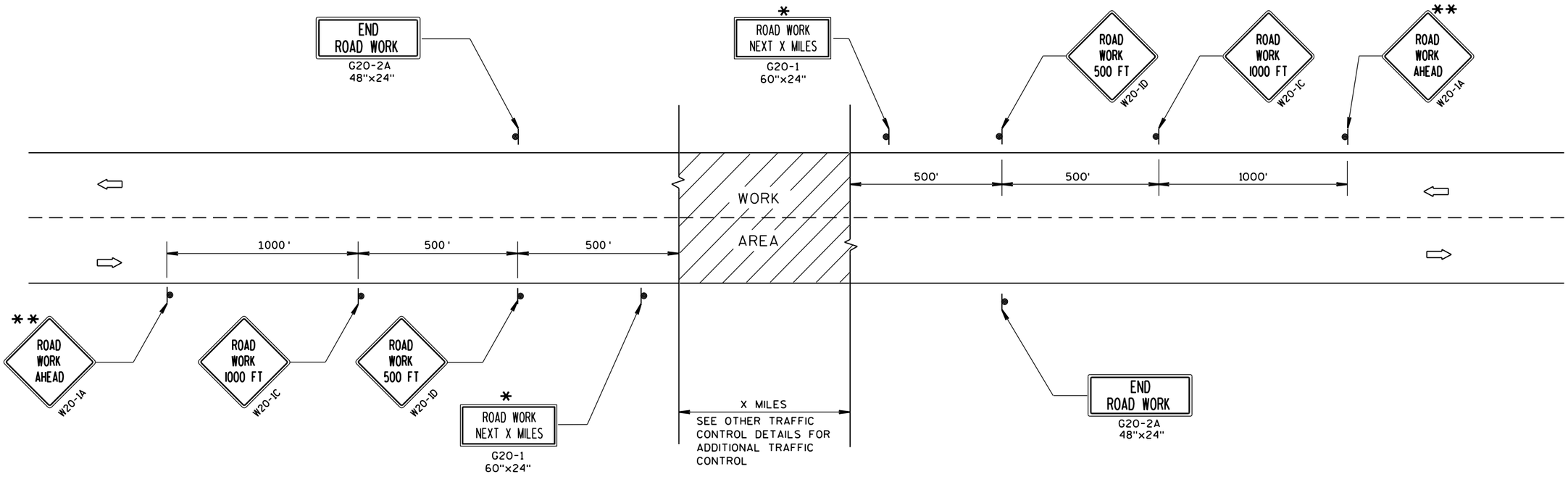
6

S.D.D. 15 C 3-3

6

S.D.D. 15 C 3-3

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

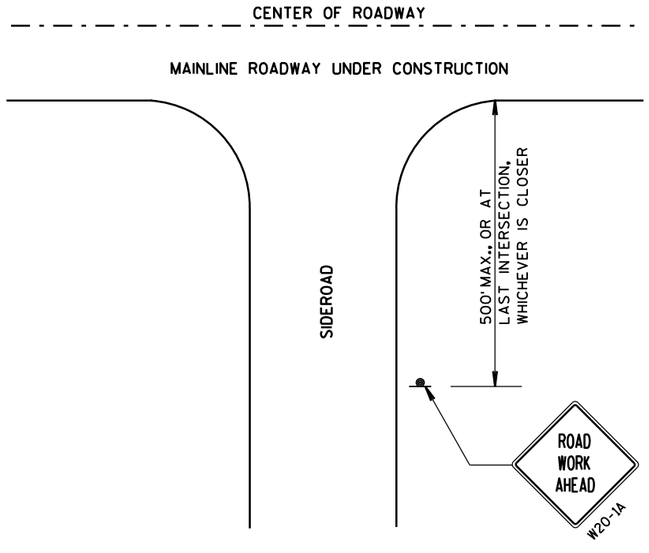
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

** PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

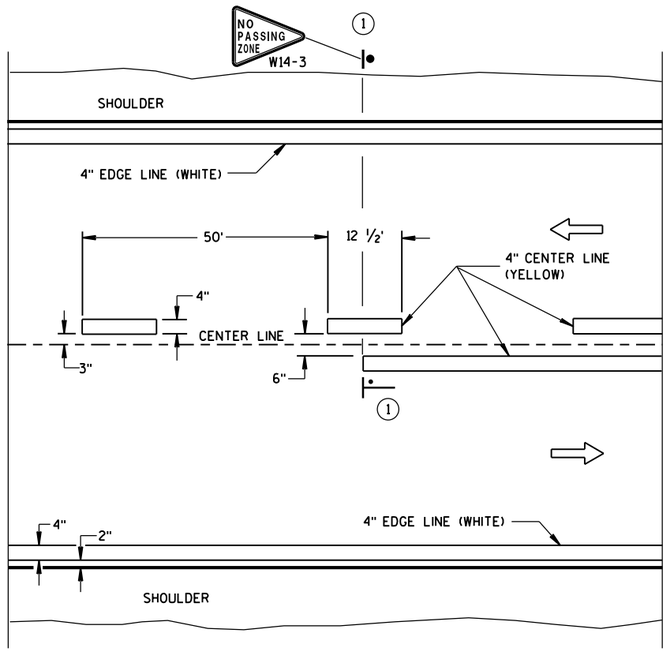
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE SAFETY ENGINEER

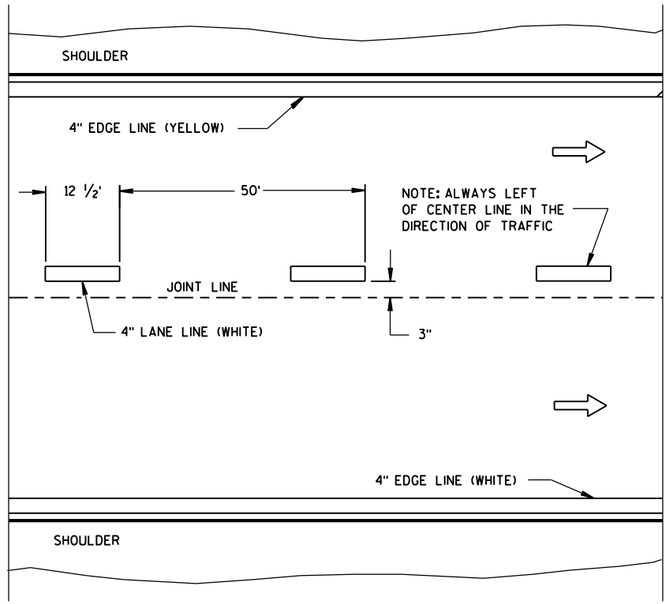
FHWA

6

S.D.D. 15 C 4-3



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) NO PASSING ZONE W14-3 SIGN SHALL BE LOCATED WITHIN 50 FEET OF THE "T" MARKING.

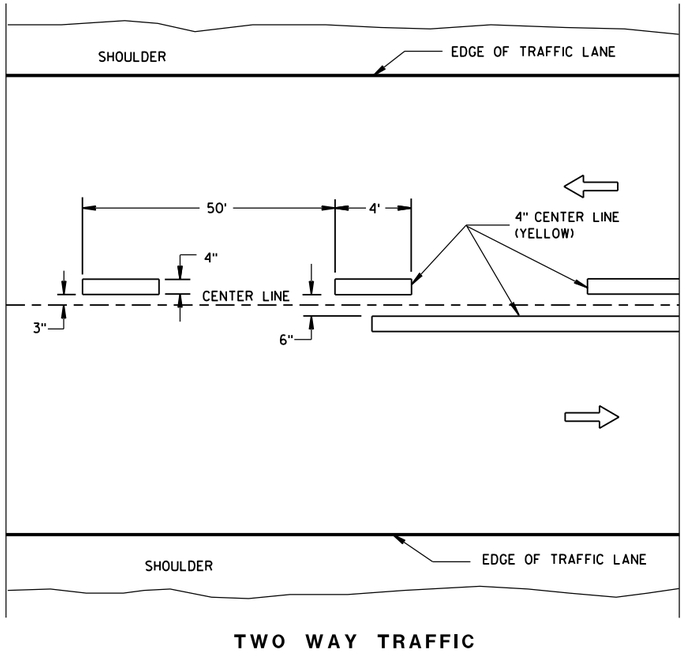
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

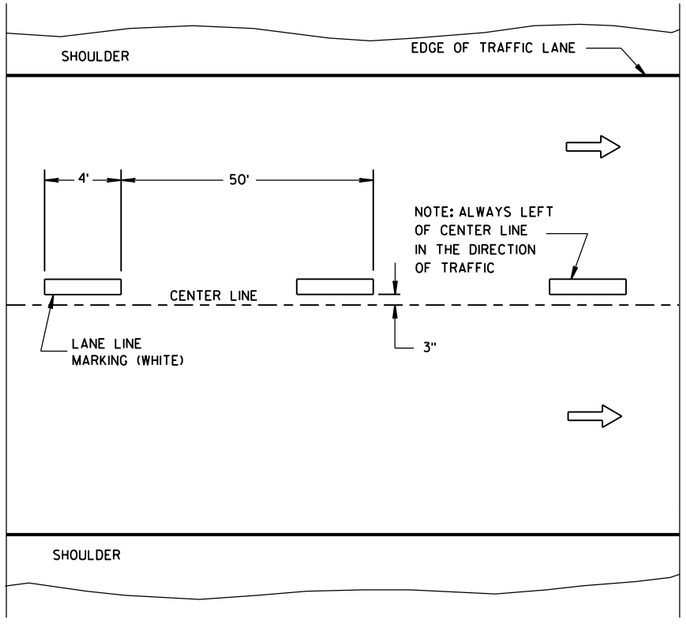
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

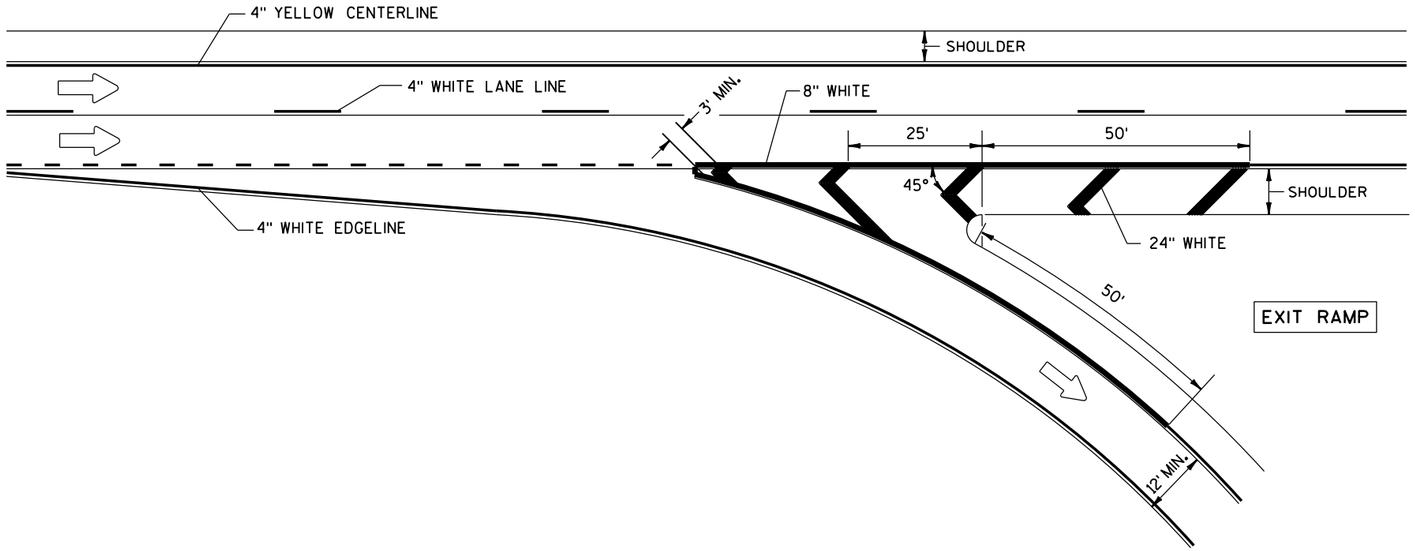
APPROVED
Sept., 2016 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

6

S.D.D. 15 C 8-17a

6

S.D.D. 15 C 8-17a



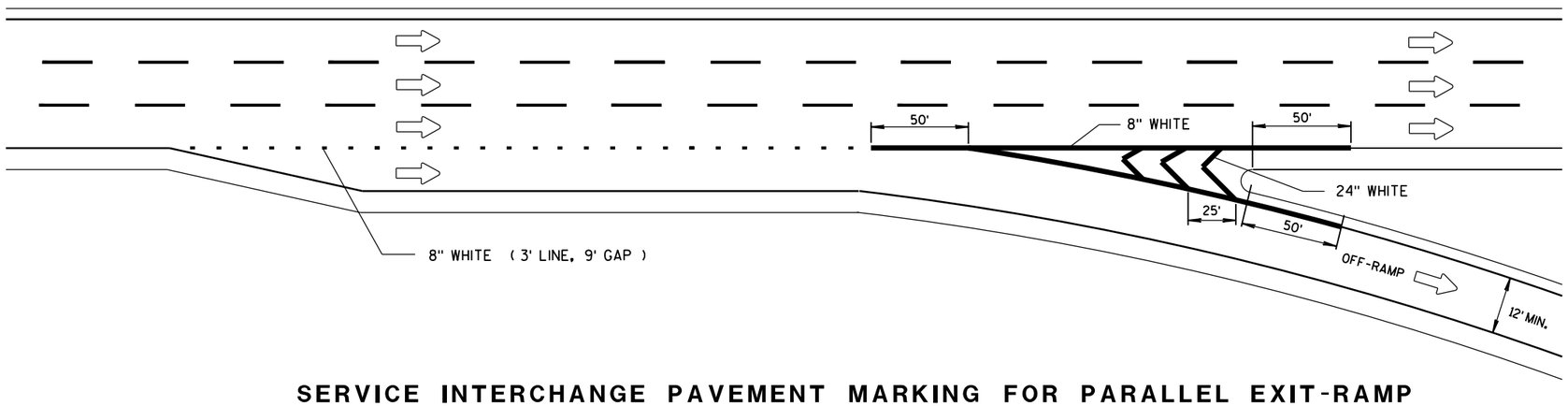
PAVEMENT MARKING FOR EXIT RAMP

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

DIRECTION OF TRAVEL



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

6

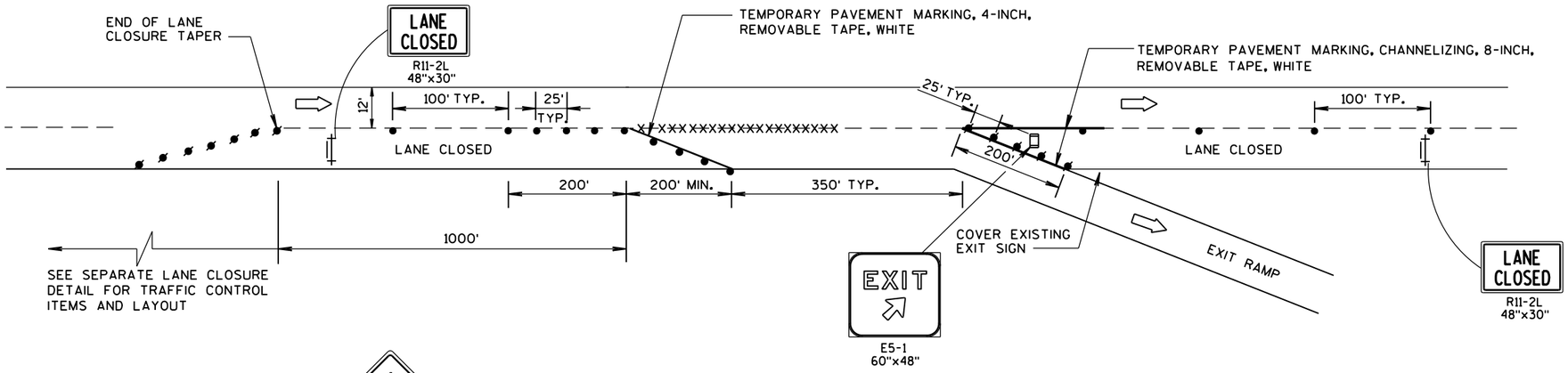
S.D.D. 15 C 31-2a

PAVEMENT MARKING (RAMPS AND GORES)

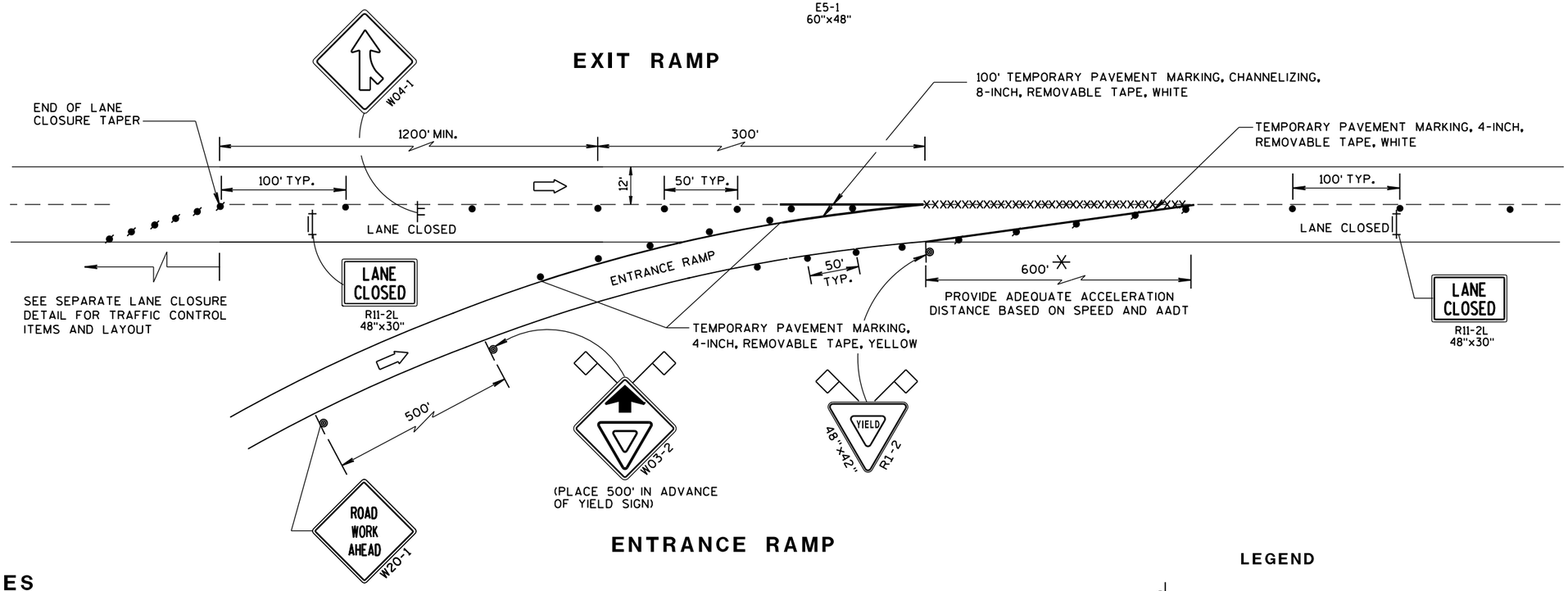
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 C 31-2a



EXIT RAMP



ENTRANCE RAMP

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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 TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* LENGTH OF OPENING MAY BE REDUCED TO 150 FEET DURING STAGING OF WORK IN IMMEDIATE AREA OF RAMP TAPER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" x 16" MIN., (ORANGE)
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE

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 D 15-2

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

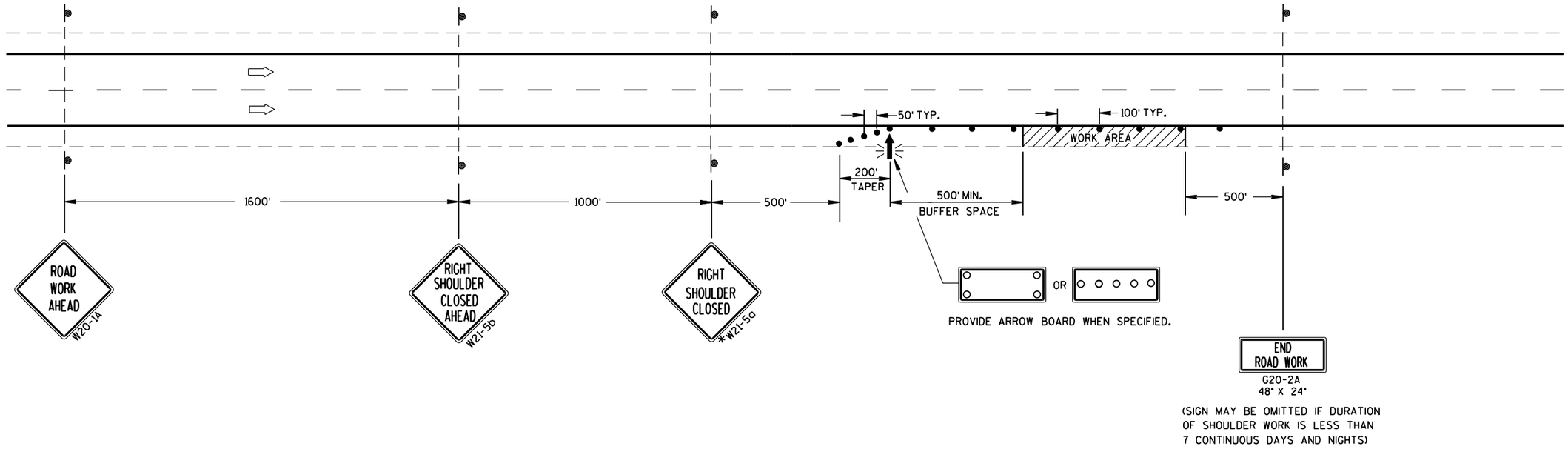
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

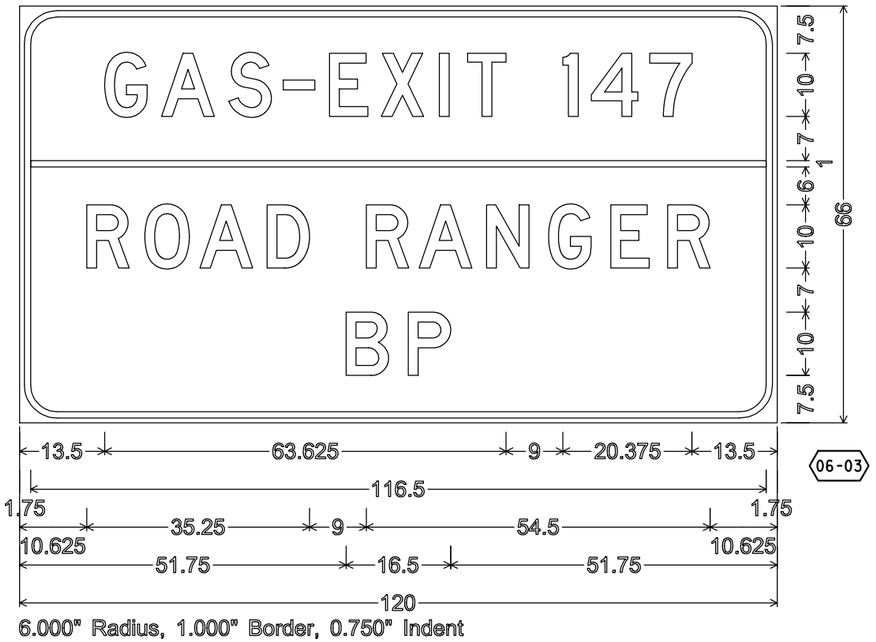
June 2016 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

6

S.D.D. 15 D 27-3



NOTES:

1. ALL SINGS ARE TYPE II - TYPE F REFLECTIVE
2. COLOR:
   BACKGROUND - ORANGE
   MESSAGE - BLACK
3. MESSAGE SERIES - D

PROJECT NO:1007-10-84	HWY:IH 39	COUNTY:DANE	SIGN PLATES - TYPE II (TEMPORARY FIXED MESSAGE)	SHEET	E

FILE NAME : 070100_sd.dwg PLOT DATE : 2/1/2017 8:41 AM PLOT BY : SEH INC LAYOUT NAME: 070101_sd PLOT SCALE : 1/2 IN = 1 FT

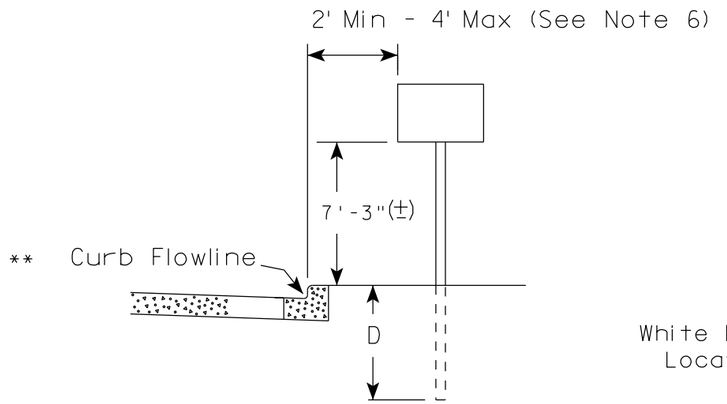
WISDOT/CADDS SHEET

FILE SAVE PATH: \\SEHMADISONVProjects\AECOM\DANE\119189\Civil 3D\100710001\Sheets\Plan\10071084\SEC 07 MiscDOT Sign Plates\

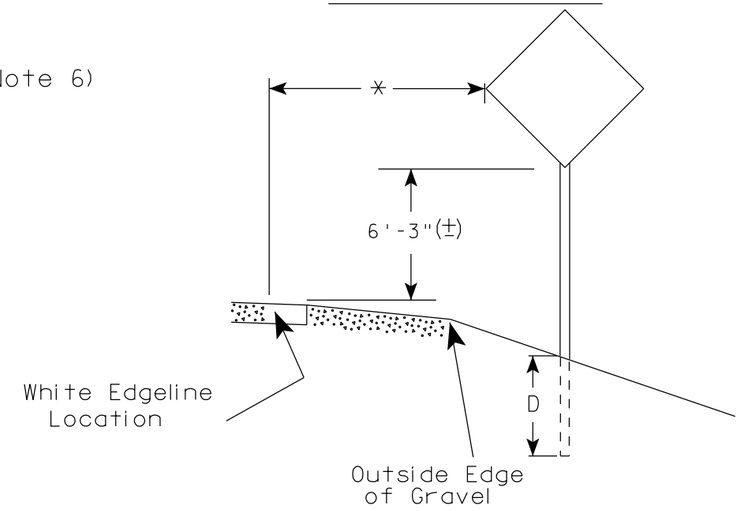
7

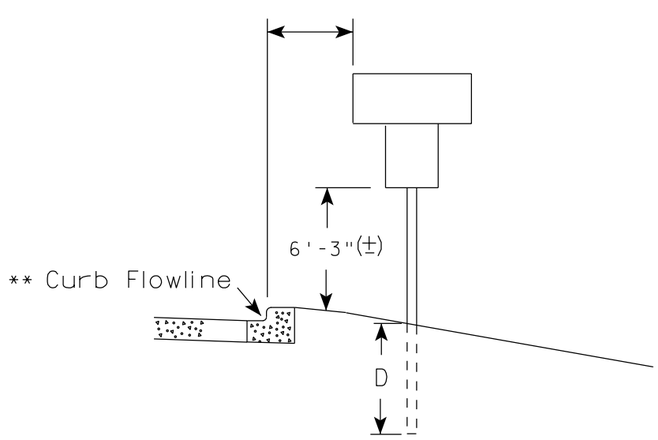
7

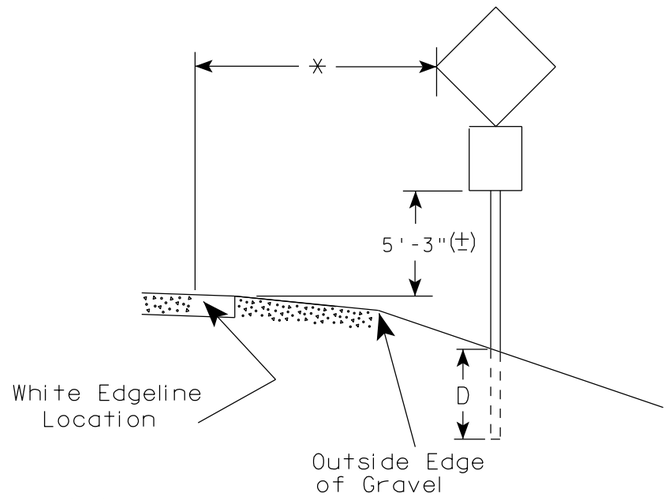
URBAN AREA



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. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
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" (±).

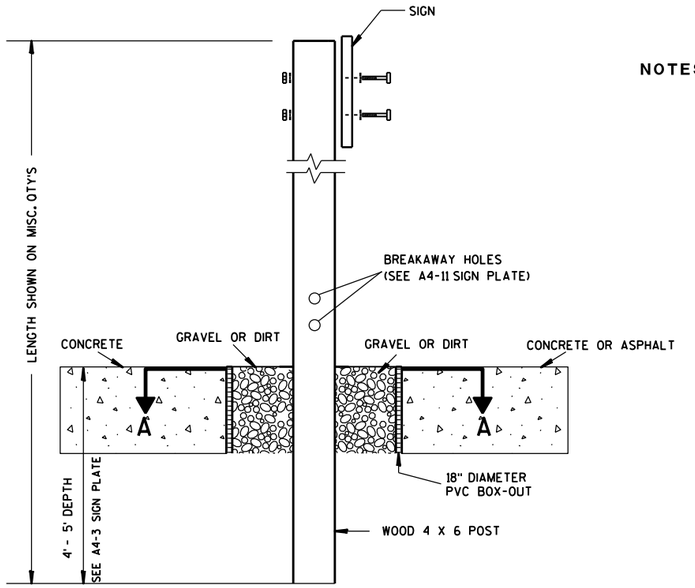
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

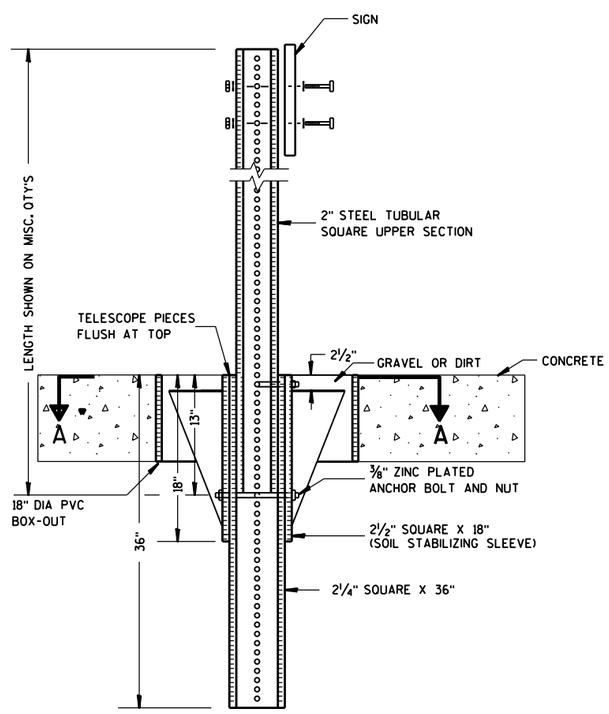
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

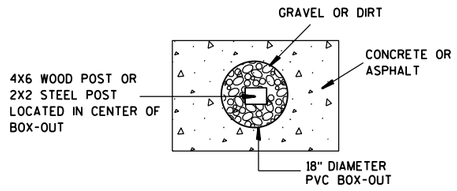
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

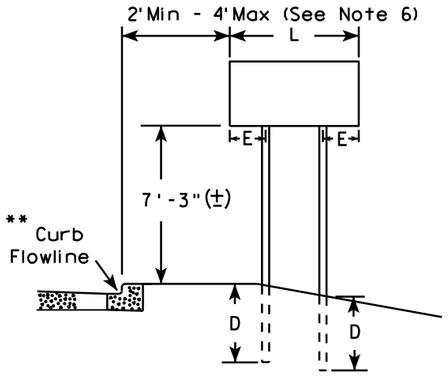
APPROVED Matthew R Rauch
for State Traffic Engineer

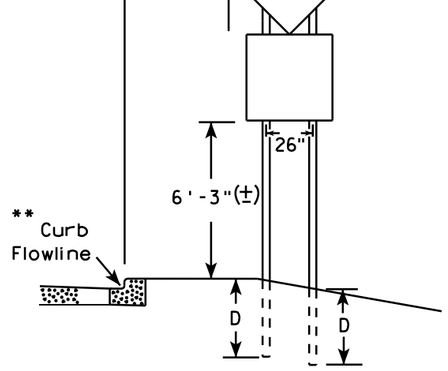
DATE 1/27/14 PLATE NO. A4-3B.1

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

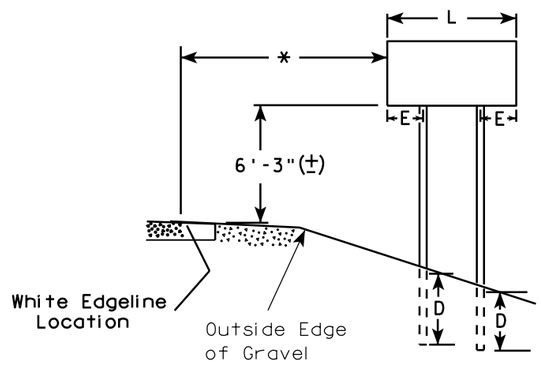
URBAN AREA

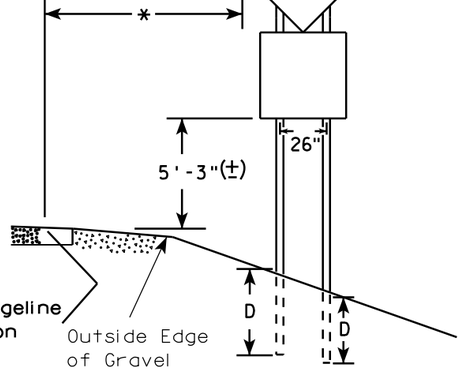




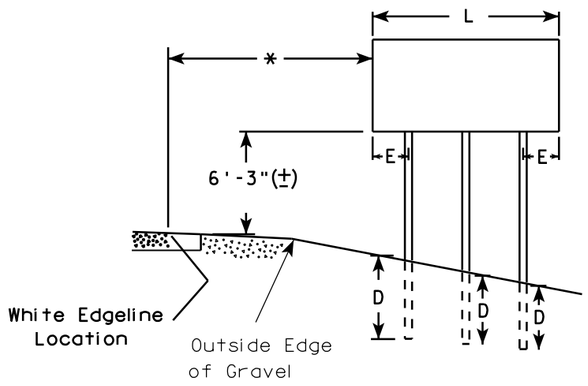
48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)





48" DIAMOND WARNING SIGN



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. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
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.

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

***

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

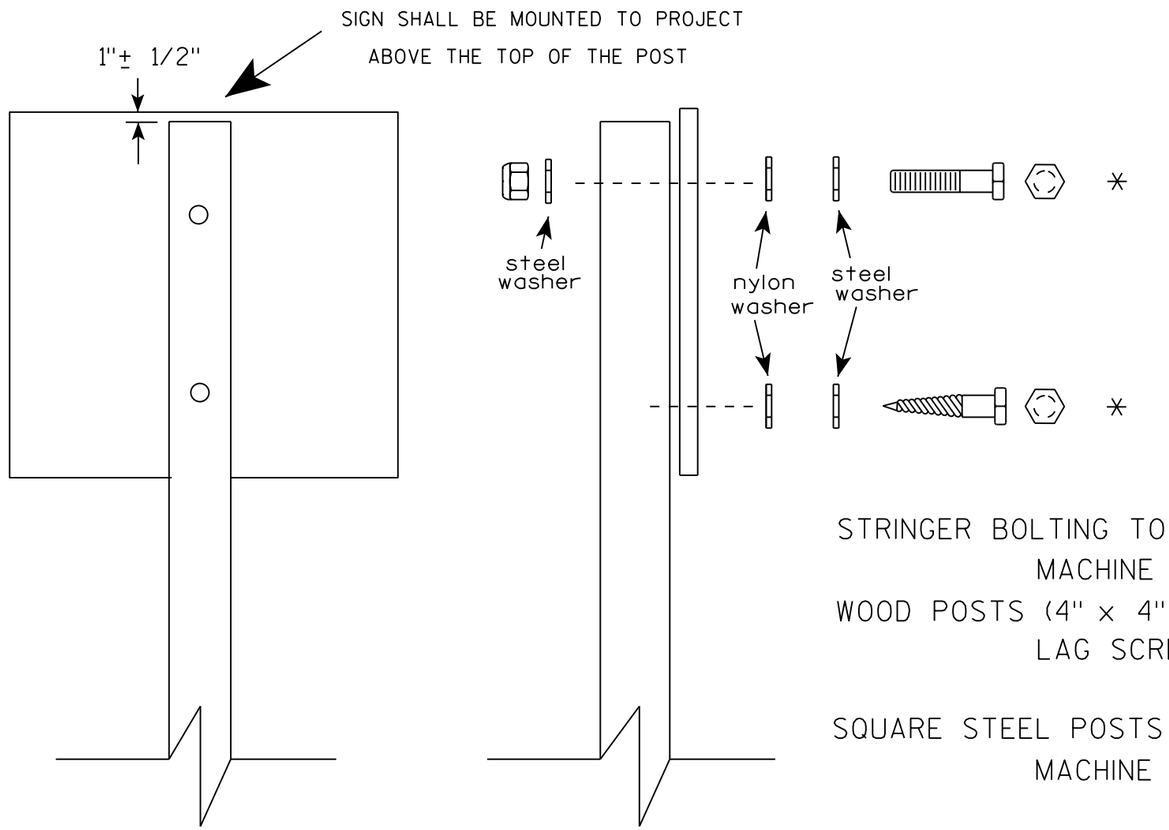
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. AA-4-224 14

PROJECT NO:	HWY:	COUNTY:		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

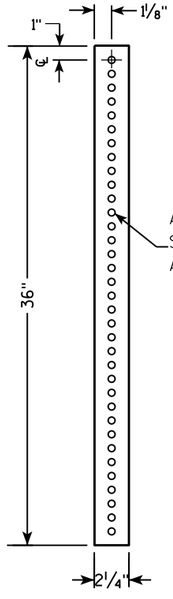
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

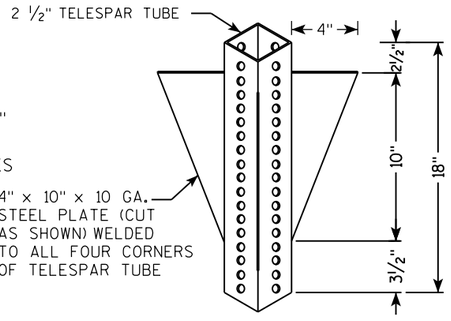
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

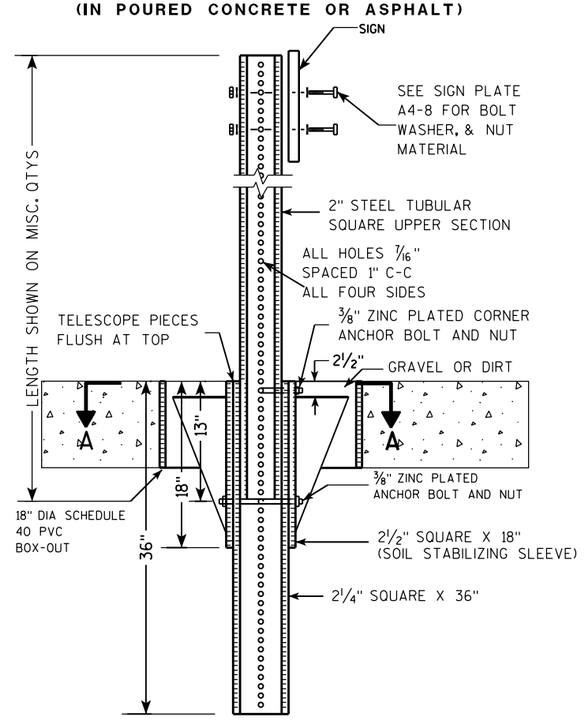
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



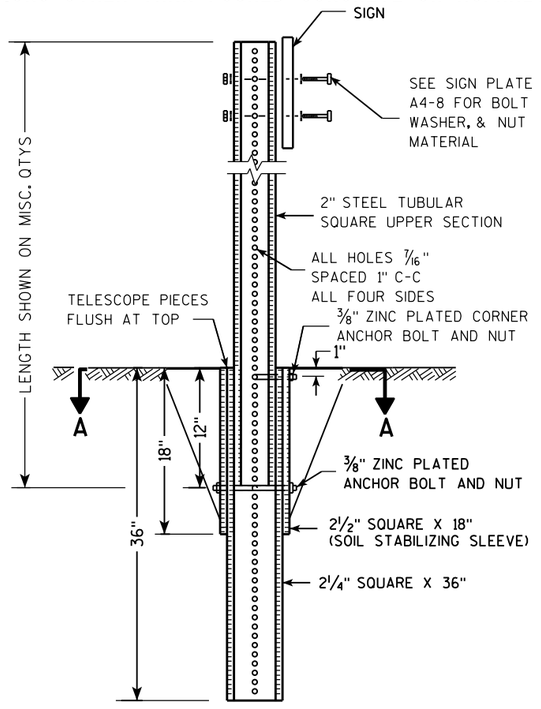
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

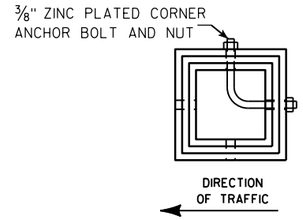


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

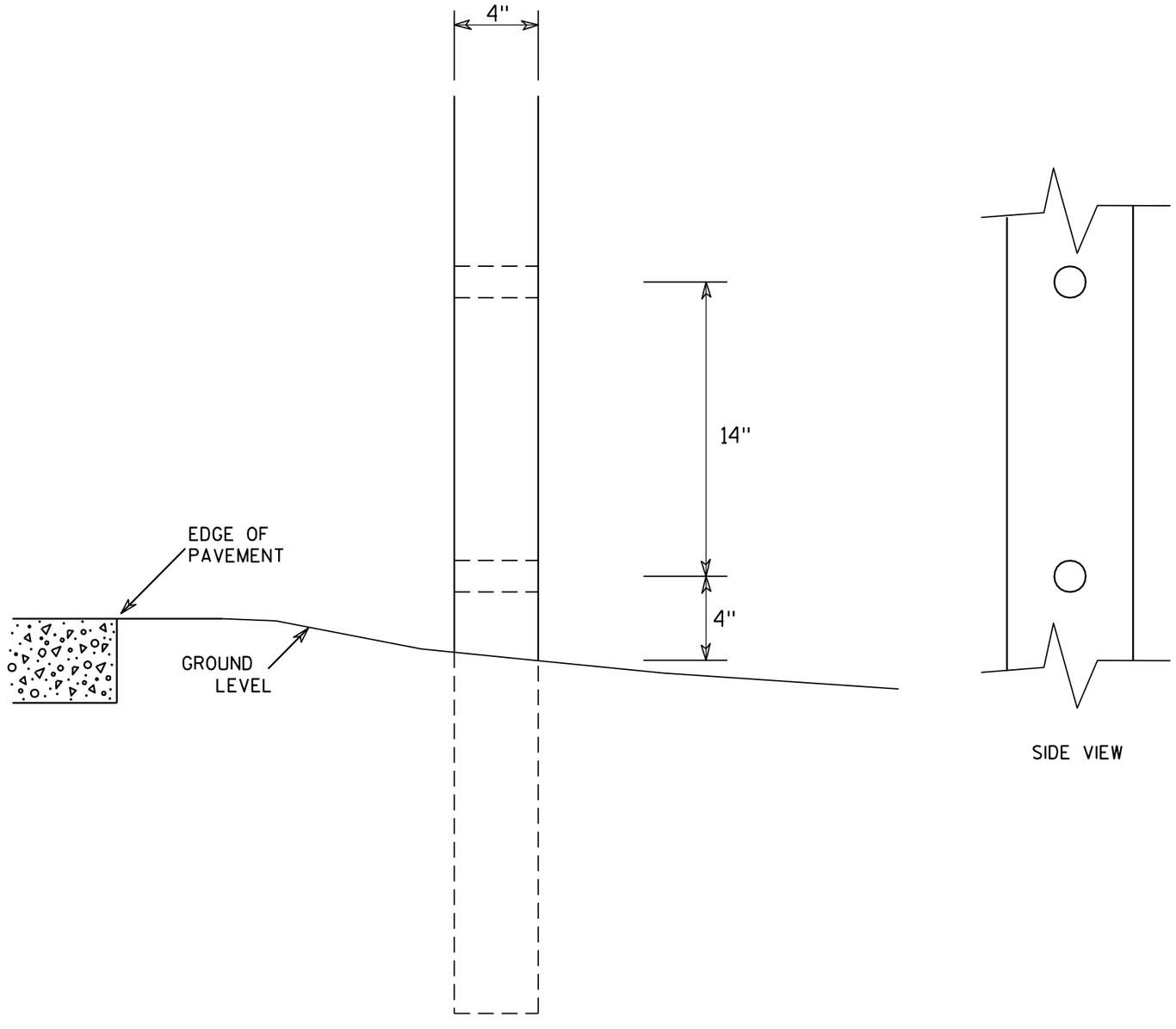
WISCONSIN DEPT OF TRANSPORTATION

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

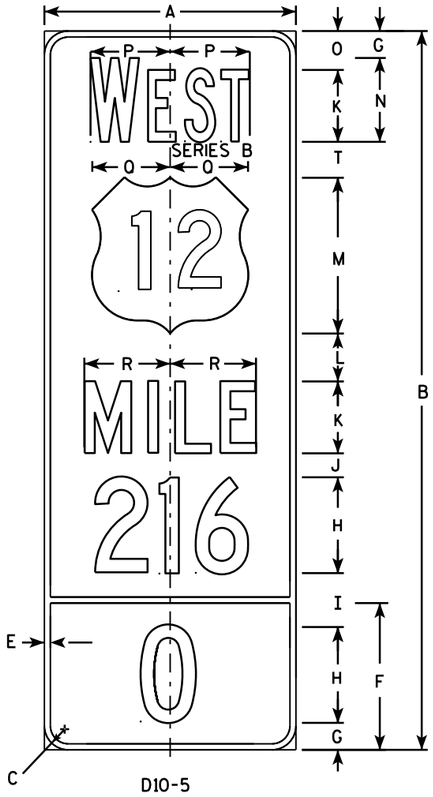
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

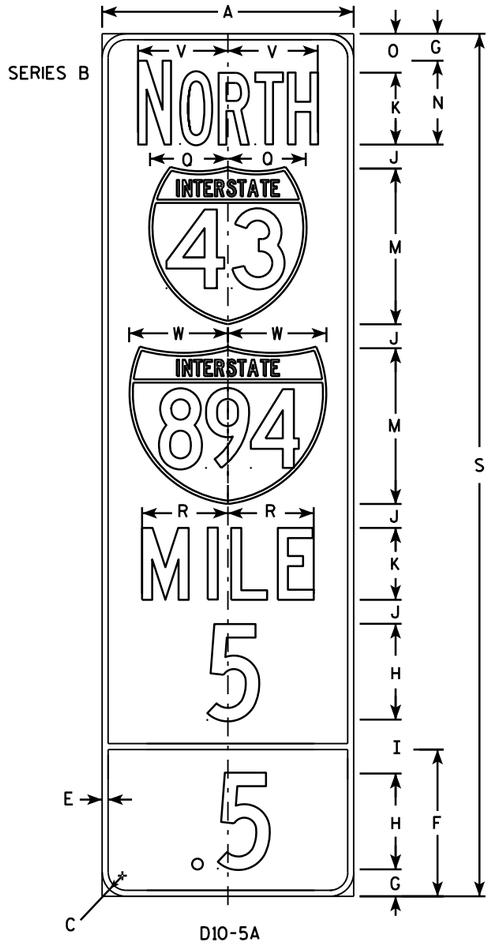
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

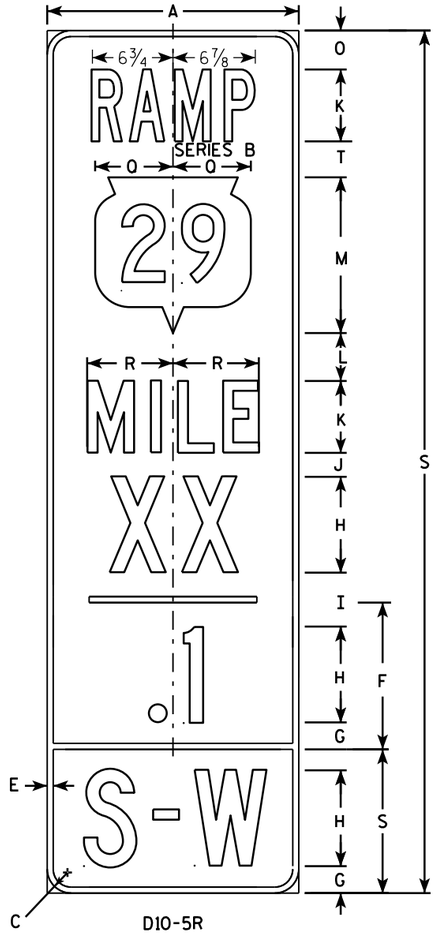
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 227	E



D10-5



D10-5A



D10-5R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLUE
   Message - WHITE
3. Interstate Shield Color
   Background - Top Red
   - Bottom Blue
   Message - White
4. Message Series - C or as noted on the Sign.
5. 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.
6. The decimal point is required for all digits except "0".
7. Optically adjust mileage numbers about the centerline of the sign to achieve proper balance.
8. Optically adjust Ramp direction letters about the centerline of the sign to achieve proper balance.

SERIES B

SERIES B

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	D10-5 Area sq. ft.	D10-5A Area sq. ft.	D10-5R Area sq. ft.
1																													
2																													
3																													
4	21	60	1 ½		½	12 ¼	2 ¼	8	4 ½	2	6	4	13	7	3 ¼	6 ⅝	6 ½	7 ⅛	72	3		7 ½	8 ¼				8.75	10.5	10.5
5	21	60	1 ½		½	12 ¼	2 ¼	8	4 ½	2	6	4	13	7	3 ¼	6 ⅝	6 ½	7 ⅛	72	3		7 ½	8 ¼				8.75	10.5	10.5

STANDARD SIGN
D10-5

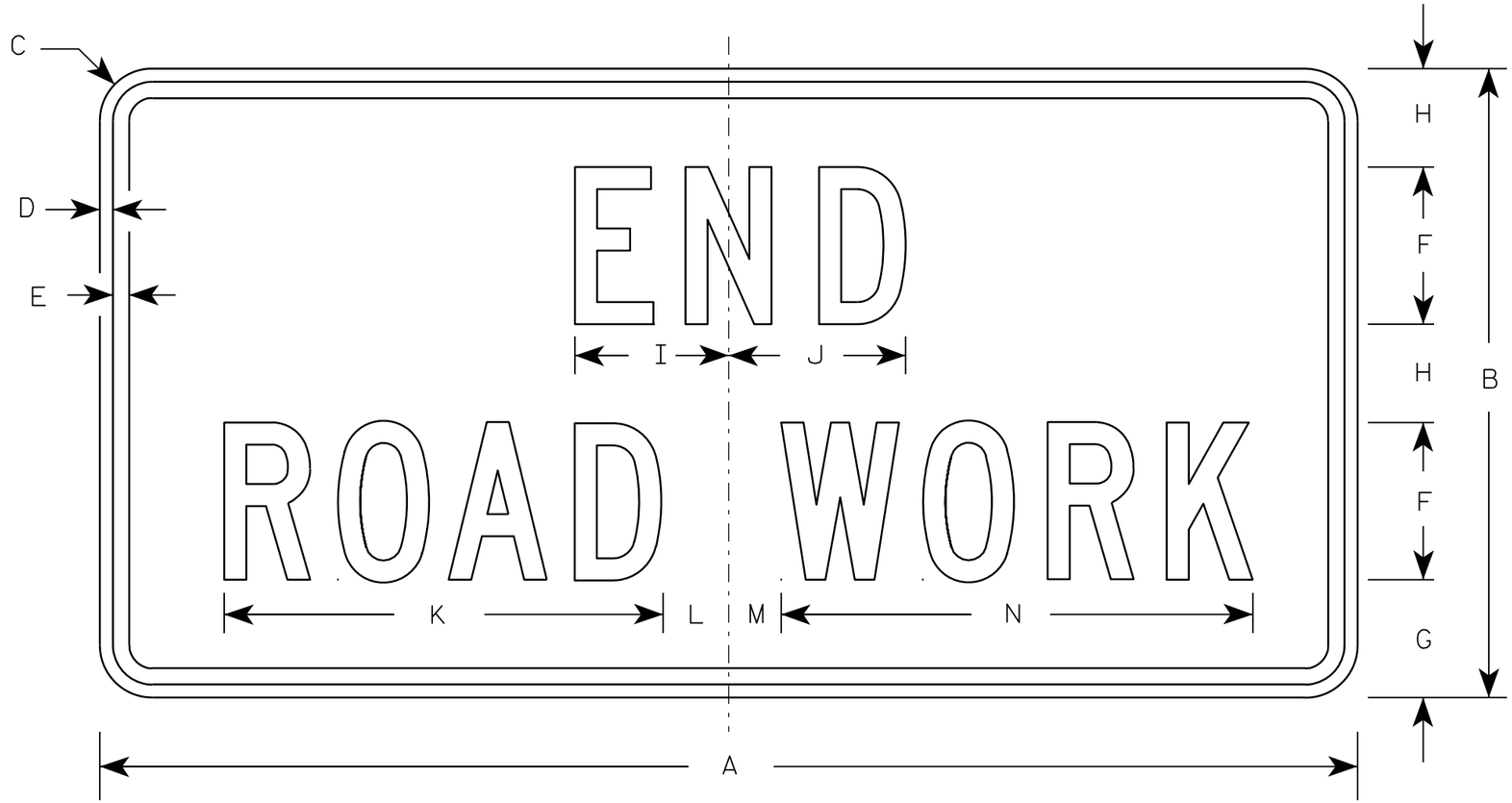
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/26/14 PL 228 D10-5.2

PROJECT NO:

SHEET NO: 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

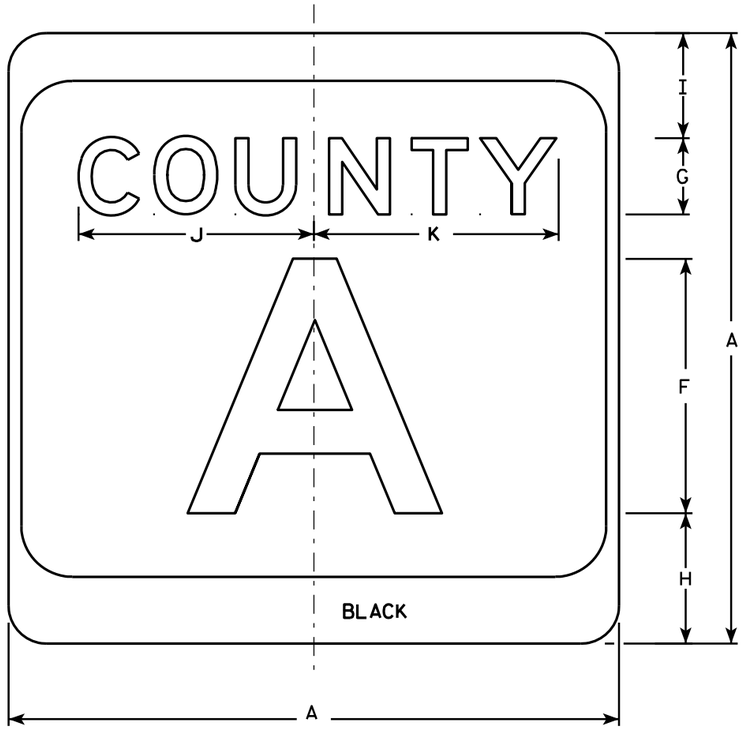
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

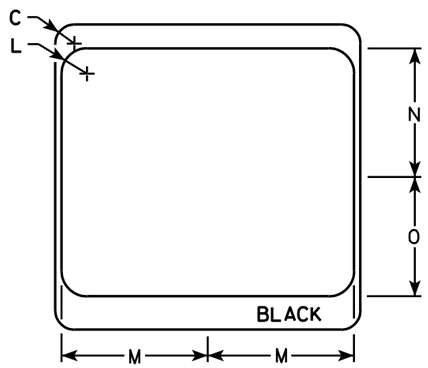
APPROVED Matthew R Rauch
for State Traffic Engineer

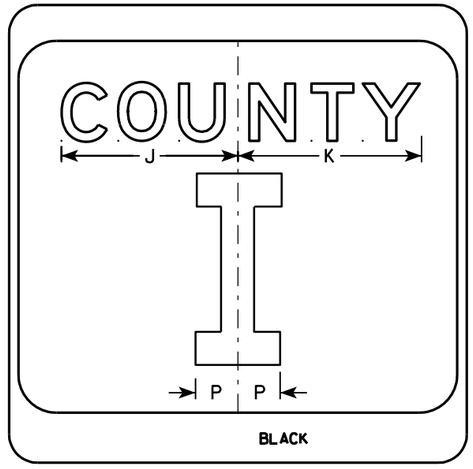
DATE 9/30/09 PLATE NO. G20-2A.8

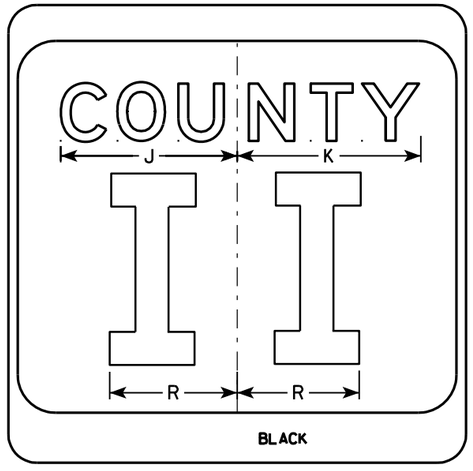
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 229	E



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

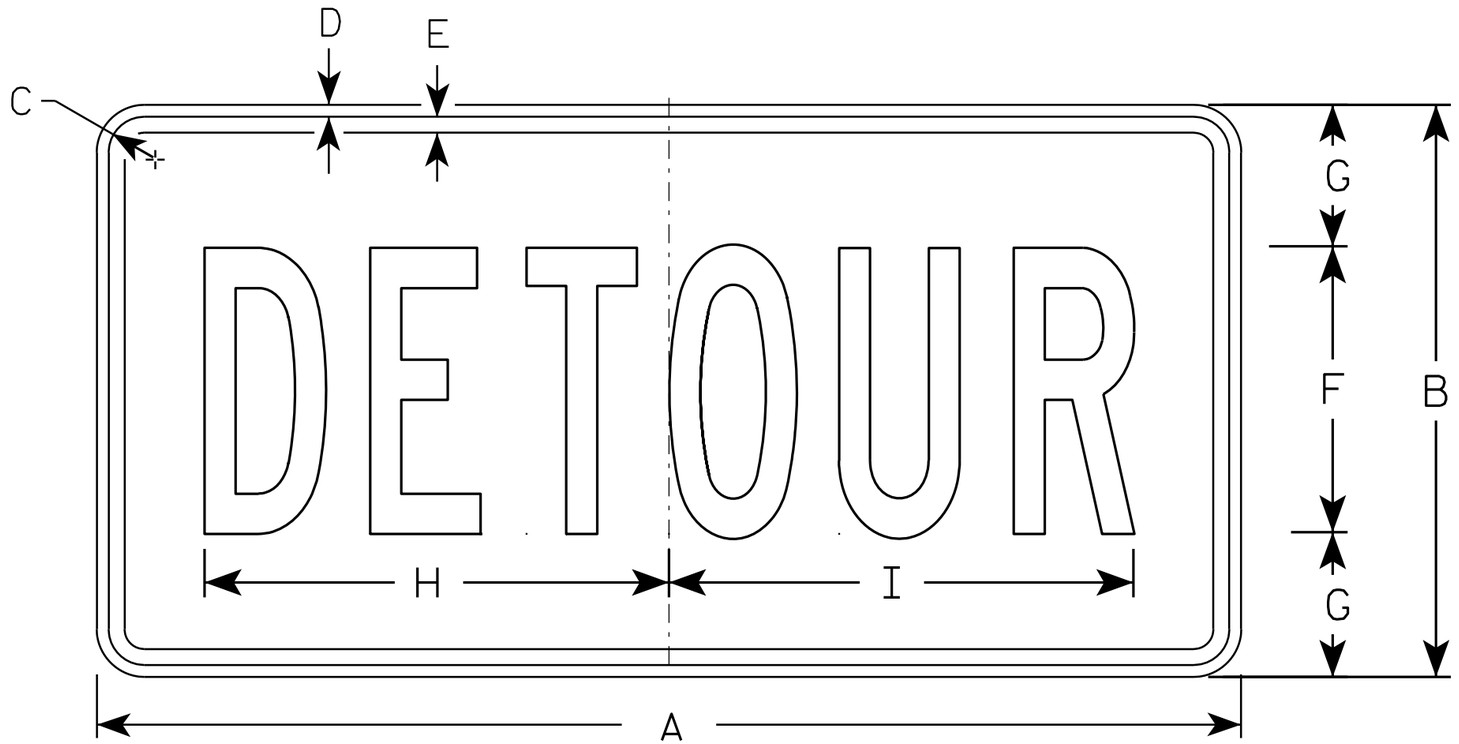
CTH MARKER
M1-5A FOR ASSEMBLIES

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: 230	E



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																											

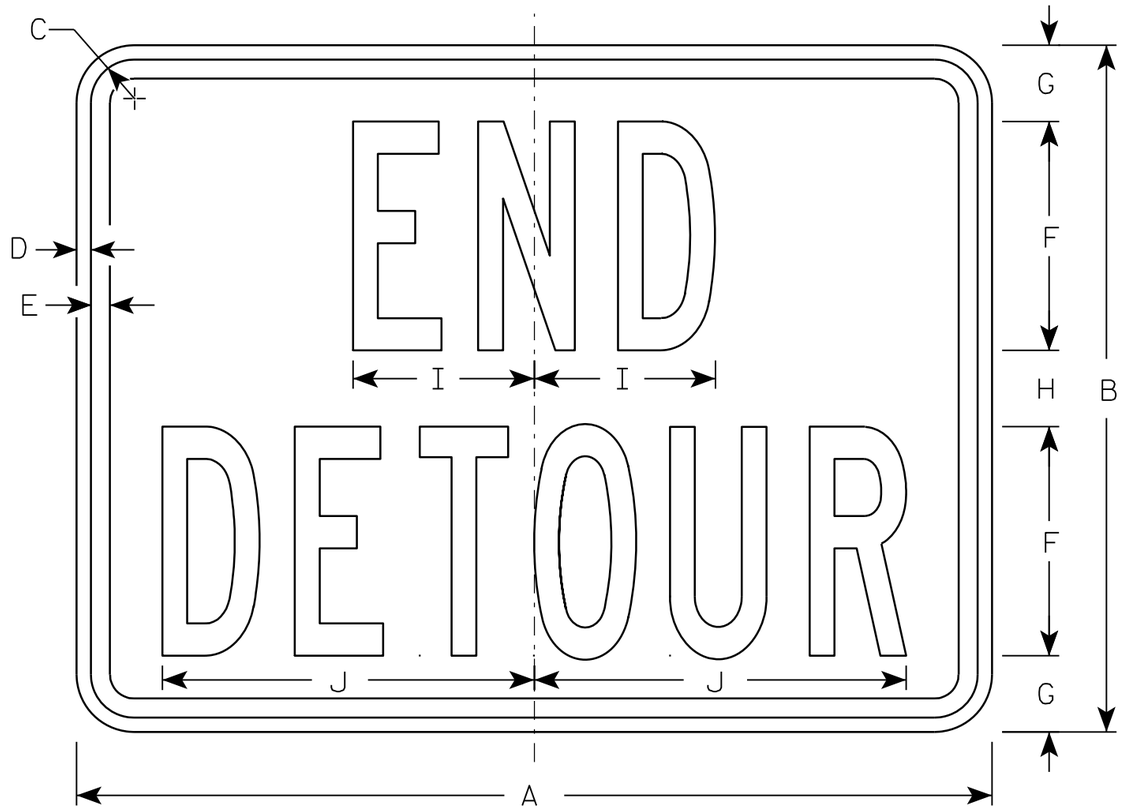
STANDARD SIGN
M4-8

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: 231	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																											

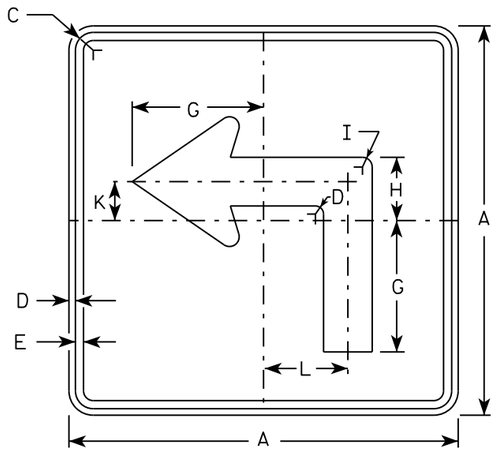
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

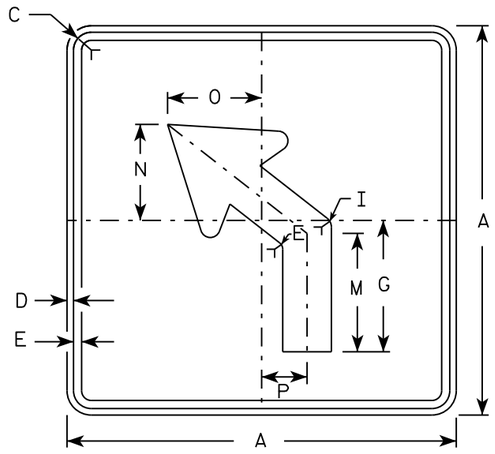
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

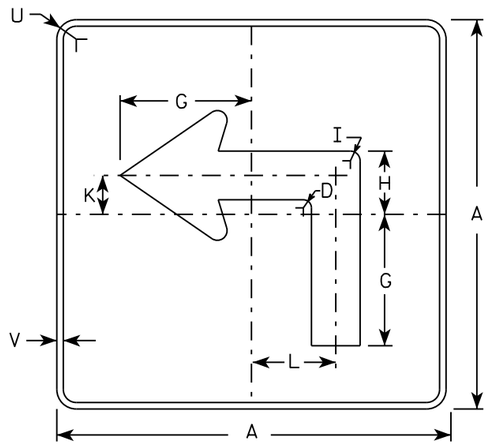
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 232	E



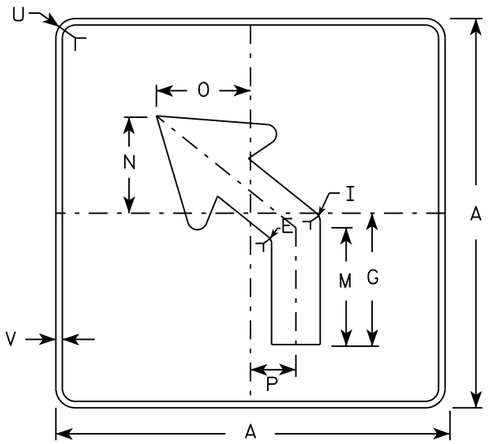
M5-1L
MM5-1L
MO5-1L
MP5-1L



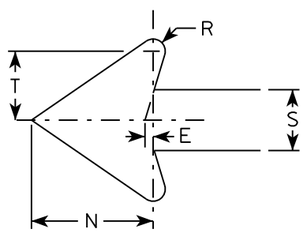
M5-2L
MM5-2L
MO5-2L
MP5-2L



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

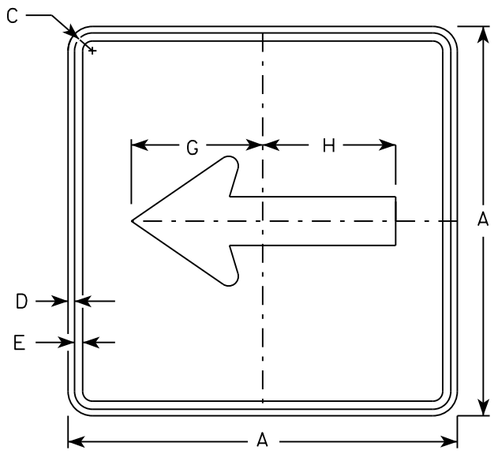
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

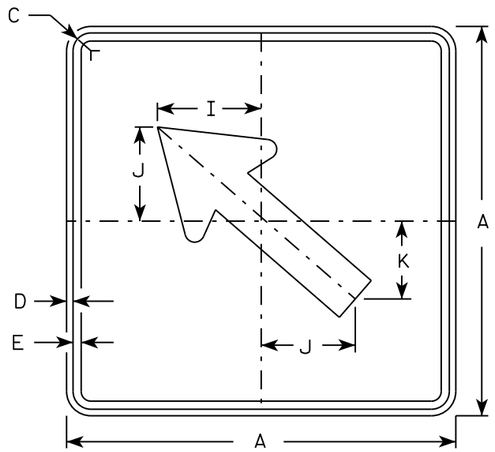
DATE 10/15/15 PLATE No. M5-1.13

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



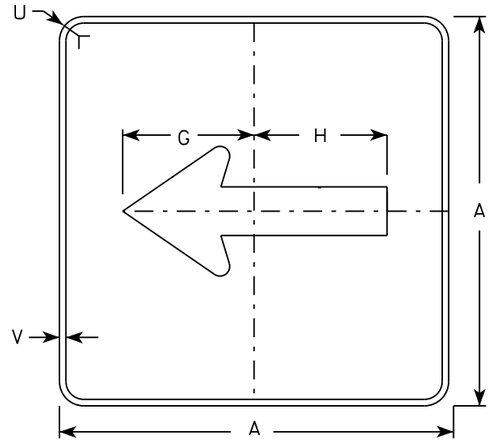
M6-1
MM6-1
MO6-1
MP6-1



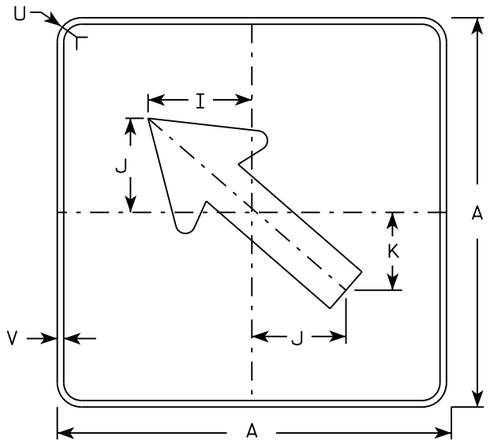
M6-2
MM6-2
MO6-2
MP6-2

NOTES

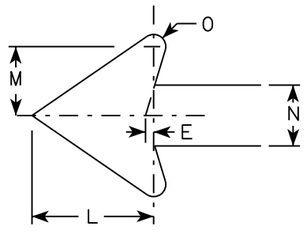
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

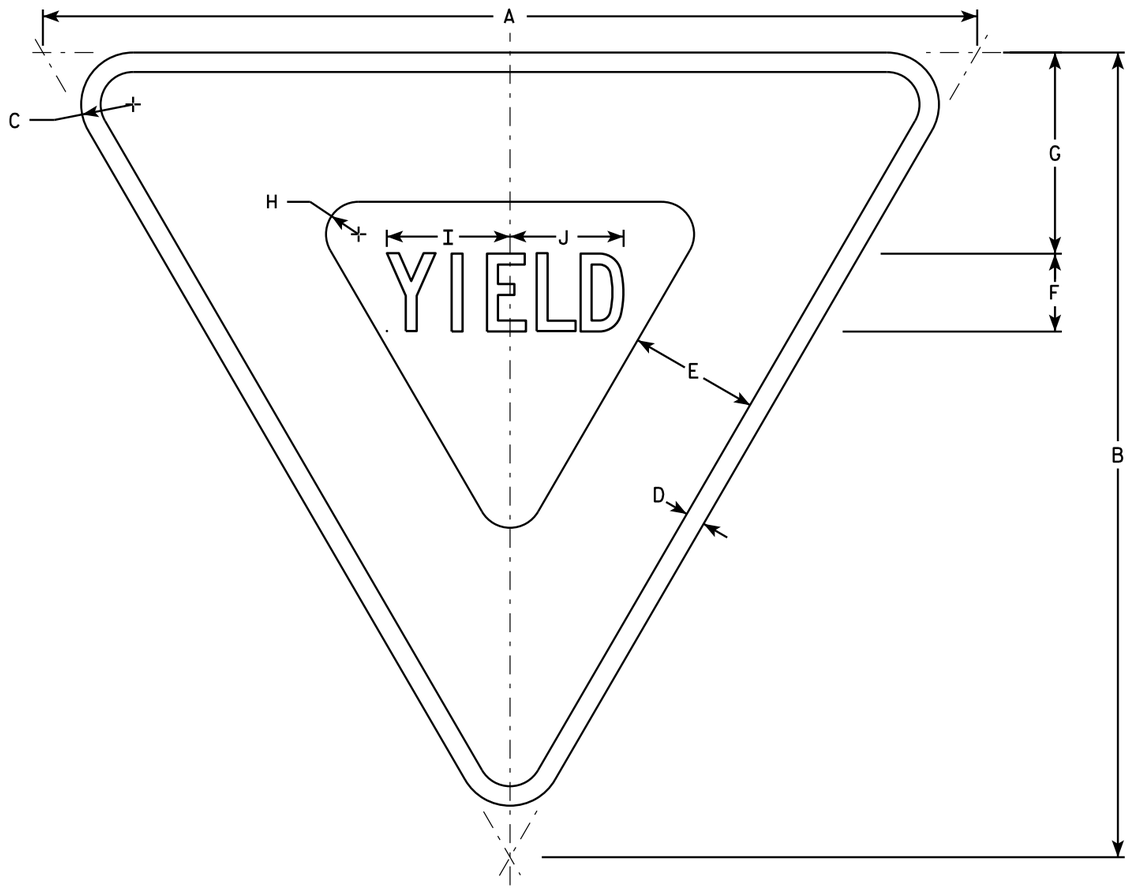
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATI 234 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



R1-2

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 - 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. The border strip and word message are reflectorized red.

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	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

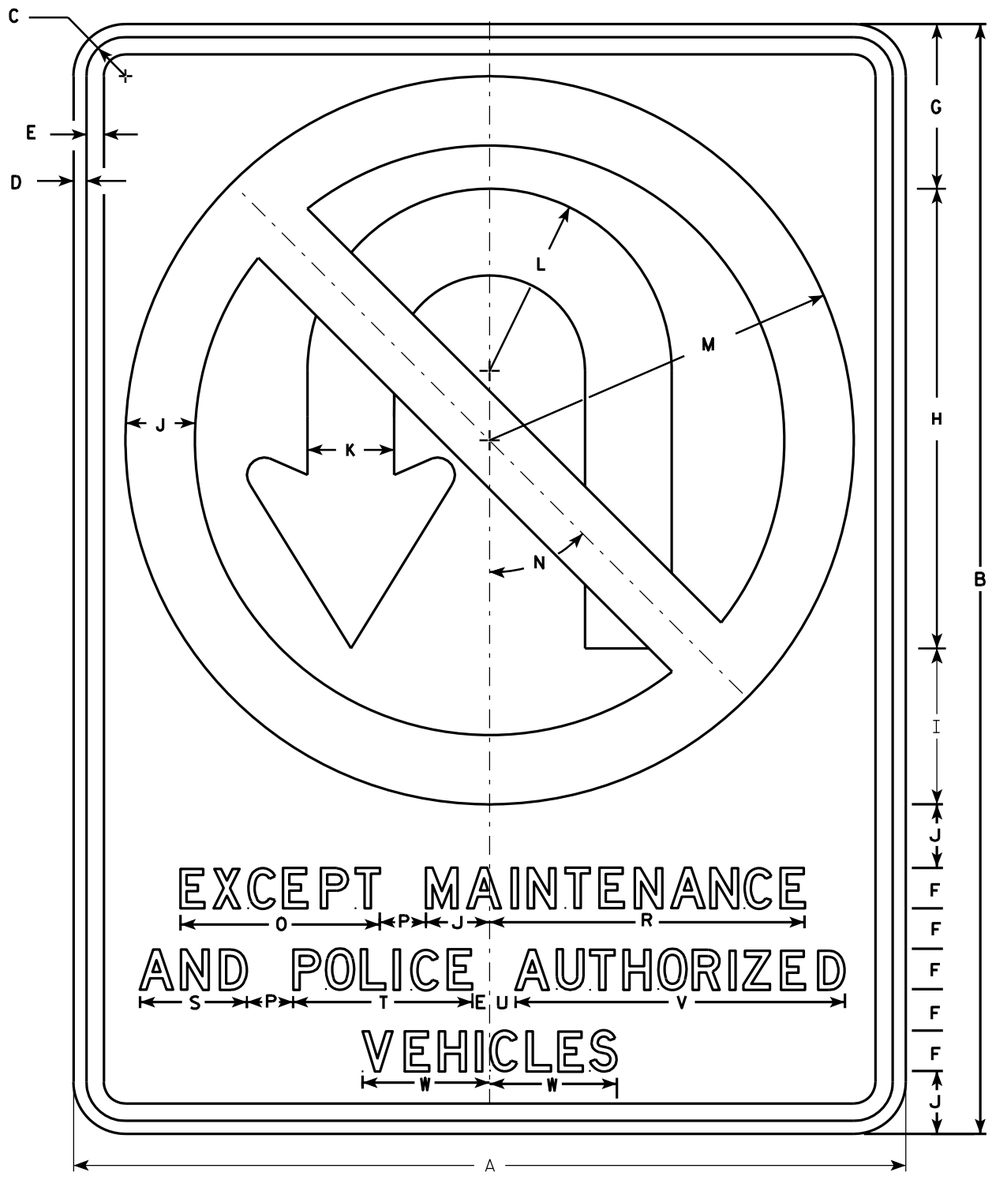
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

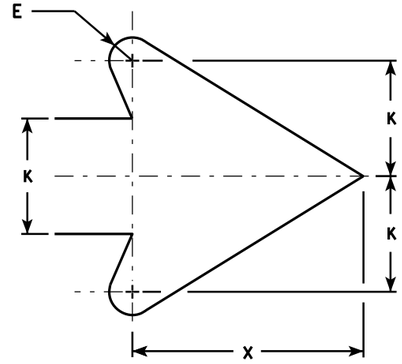
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R3-4B

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 - 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. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



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																											
2S																											
2M																											
3																											
4	36	48	1 5/8	5/8	3/4	1 3/4	7 1/8	19 7/8	6 3/4	2 3/4	3 3/4	7 7/8	15 3/4	45°	8 5/8	2		13 5/8	4 5/8	7 3/4	1 1/8	14 1/4	5 1/2	7 5/8			12.0
5	36	48	1 5/8	5/8	3/4	1 3/4	7 1/8	19 7/8	6 3/4	2 3/4	3 3/4	7 7/8	15 3/4	45°	8 5/8	2		13 5/8	4 5/8	7 3/4	1 1/8	14 1/4	5 1/2	7 5/8			12.0

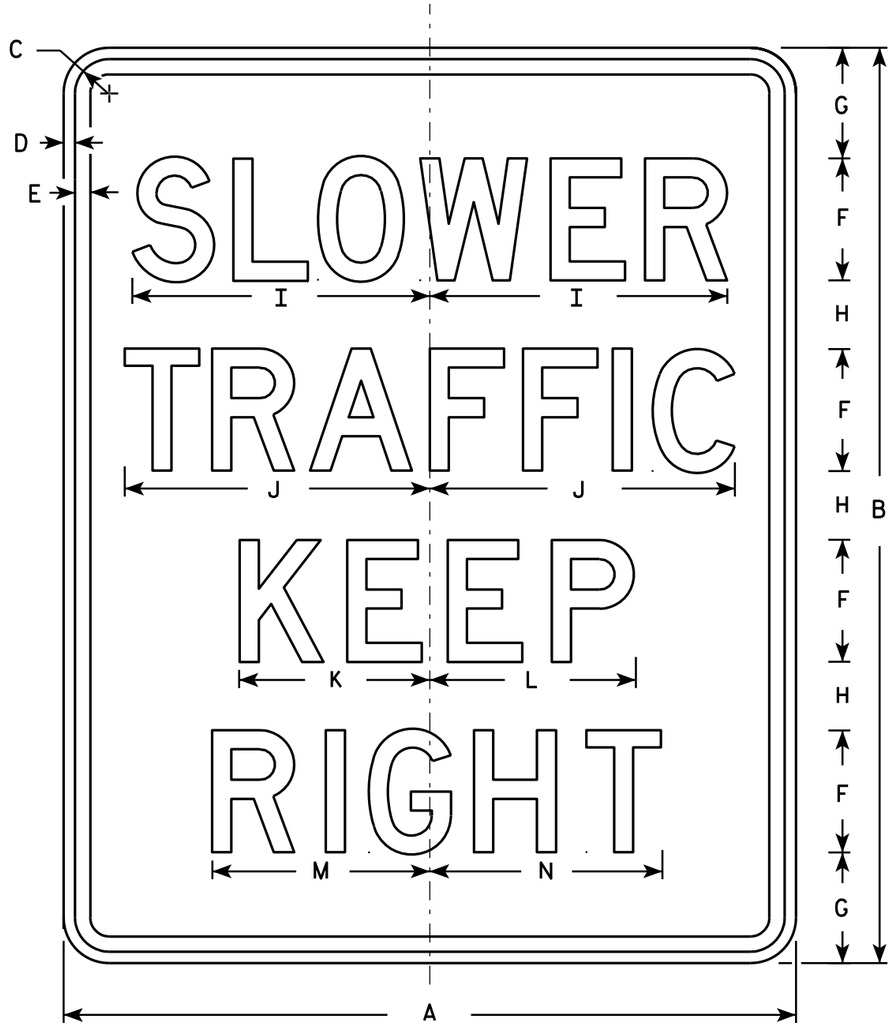
STANDARD SIGN
R3-4B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/2011 PLATE NO. R3-4B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 236	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:

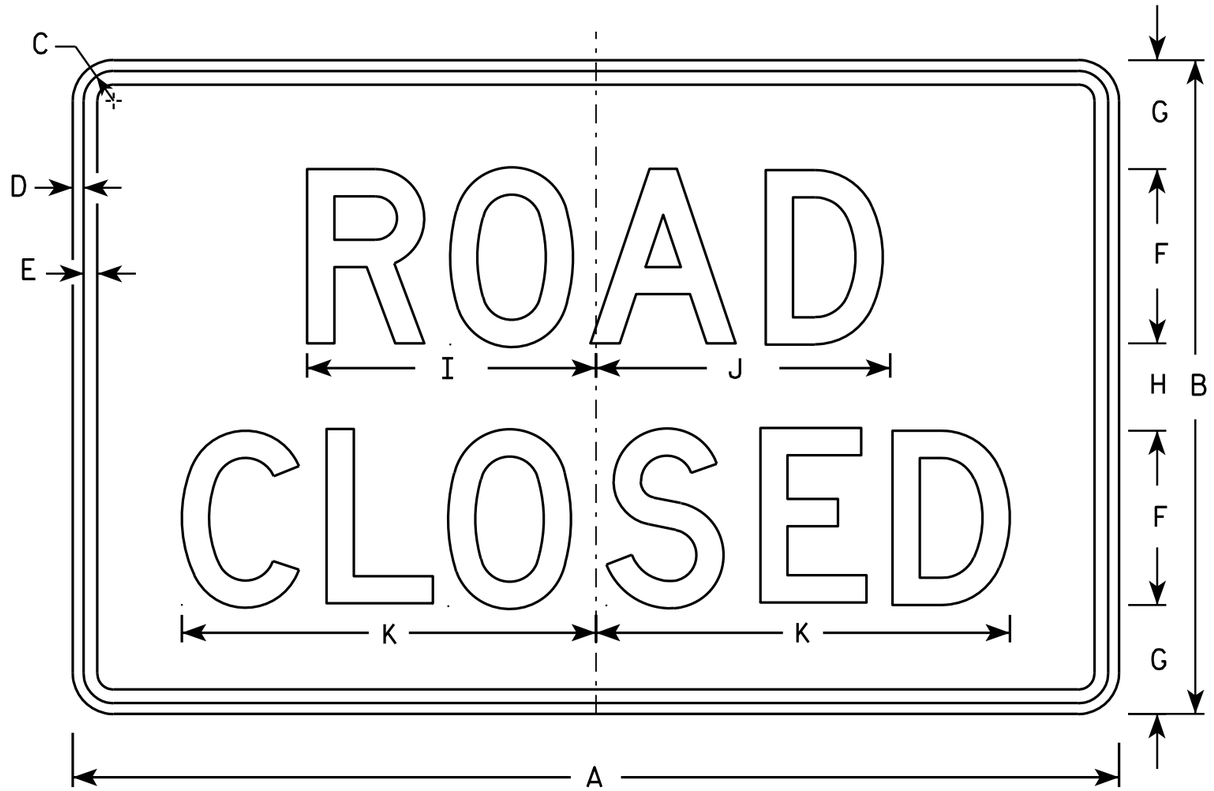
SHEET NO: 237 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R43.DGN PLOT DATE : 25-MAR-2011 13:40 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

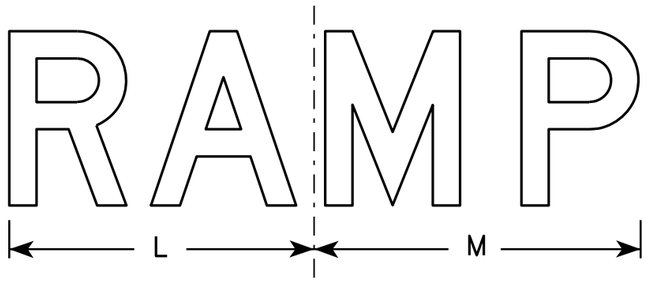
7



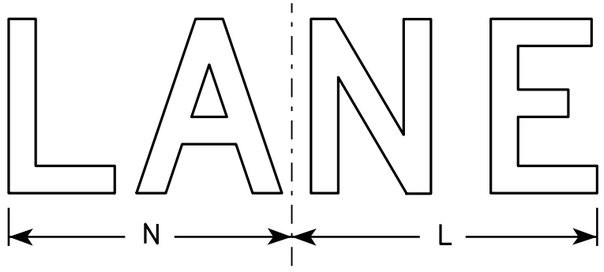
R11-2

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

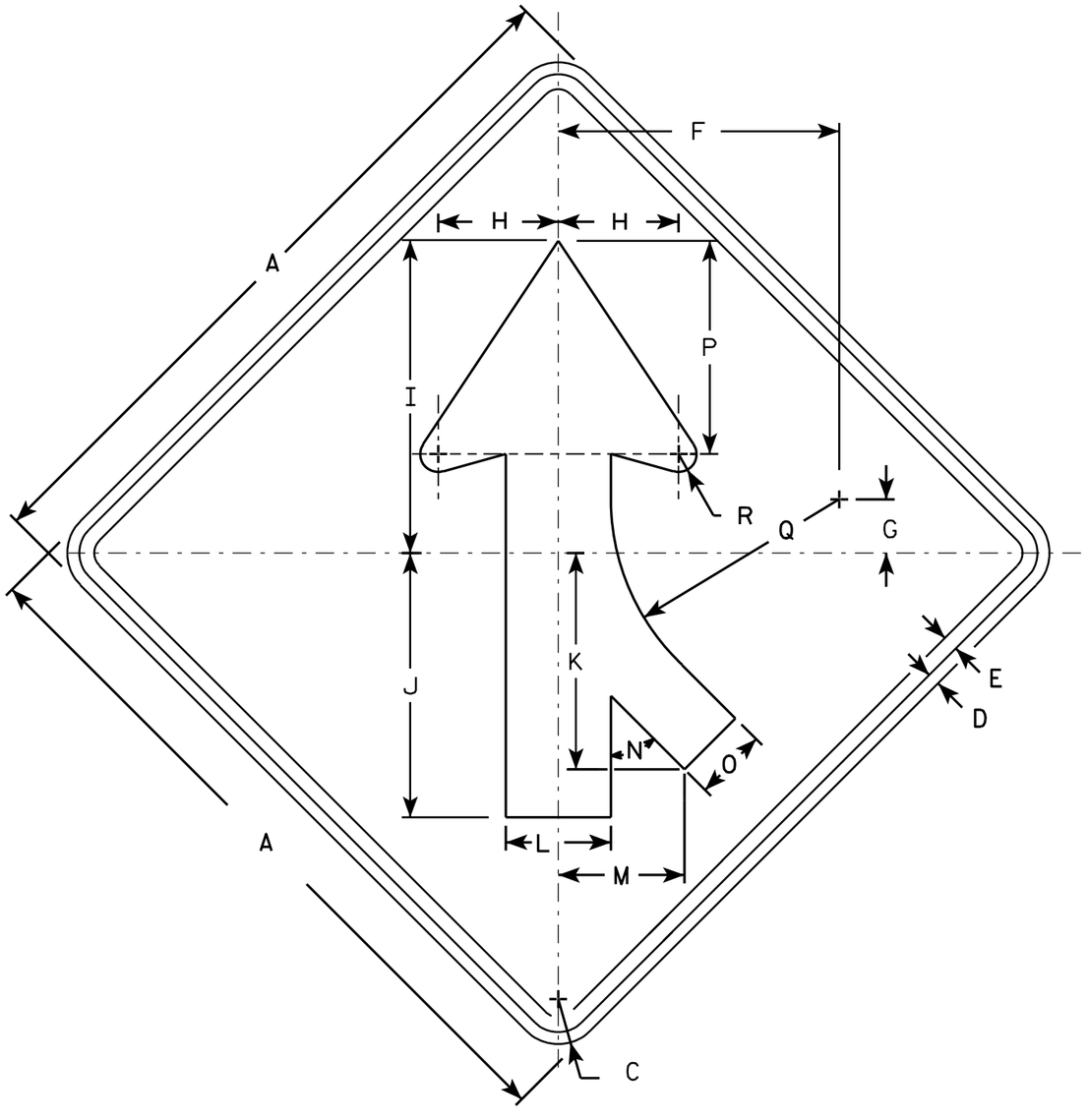
STANDARD SIGN
R11-2

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: 238 | E



W4-1 R

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. W4-1L is the same as W4-1R except the arrow 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	30		1 3/8	1/2	5/8	11 5/8	2 1/2	5	13	11	9	4 3/8	5 1/4	45°	3	8 7/8	9 1/2	3/4									6.25
2S	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2M	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
3	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

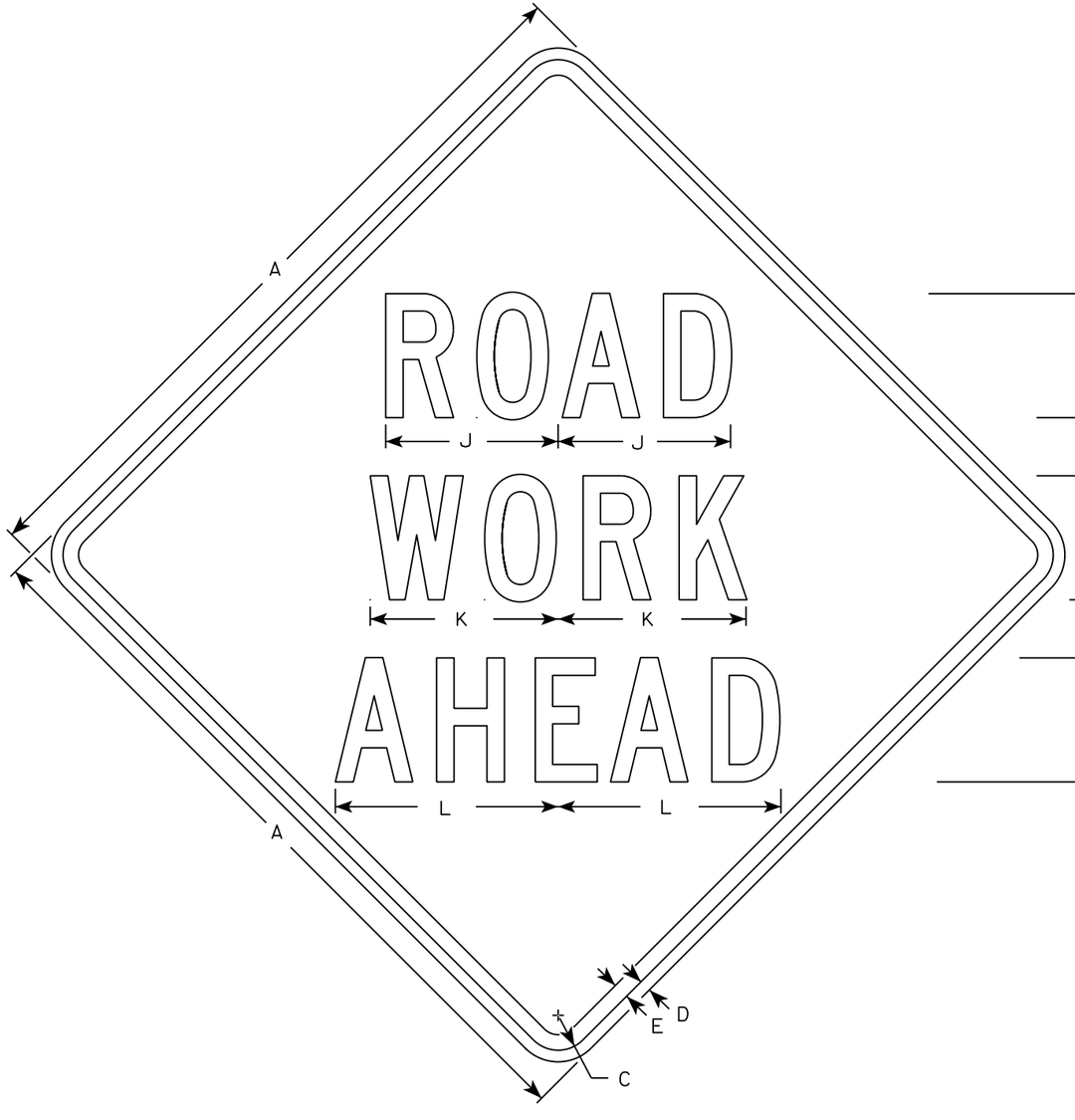
STANDARD SIGN
W4-1

WISCONSIN DEPT OF TRANSPORTATION

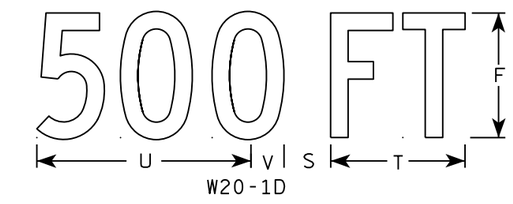
APPROVED Matthew R Rausch for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-1.14

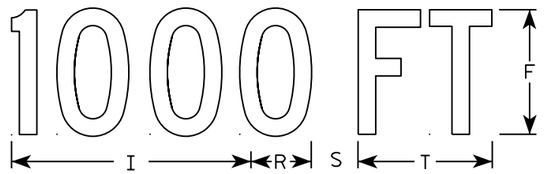
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 239	E



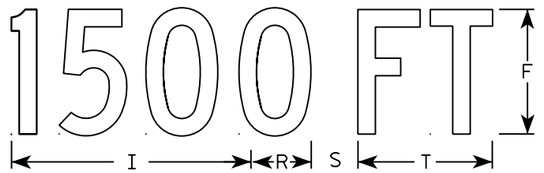
W20-1A



W20-1D

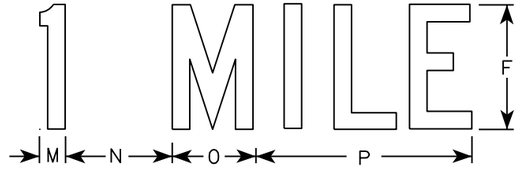


W20-1C

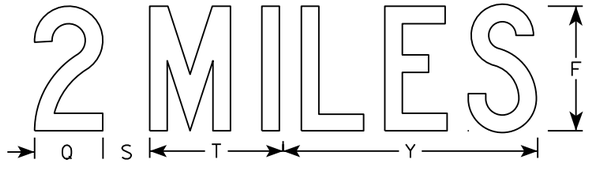


W20-1B

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

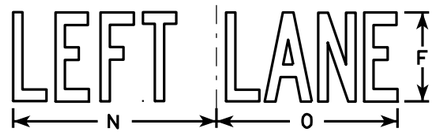
DATE 5/07/15 PLATE NO. W20-1.10

PROJECT NO:

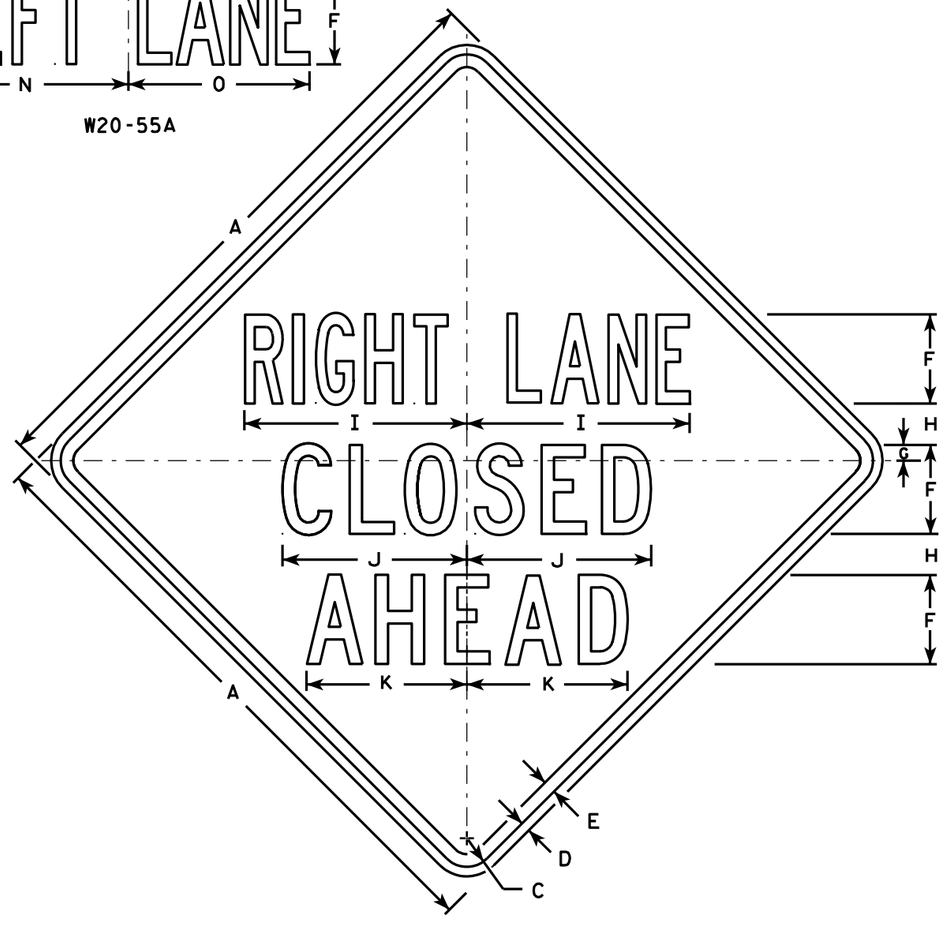
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$

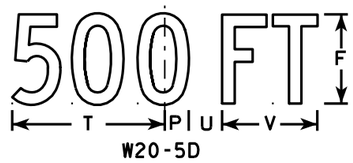
W20-56A



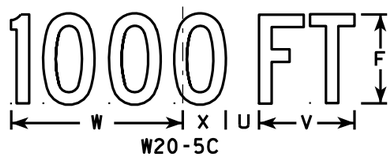
W20-55A



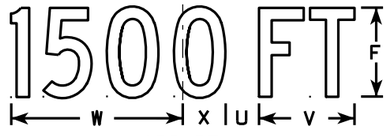
W20-5A



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

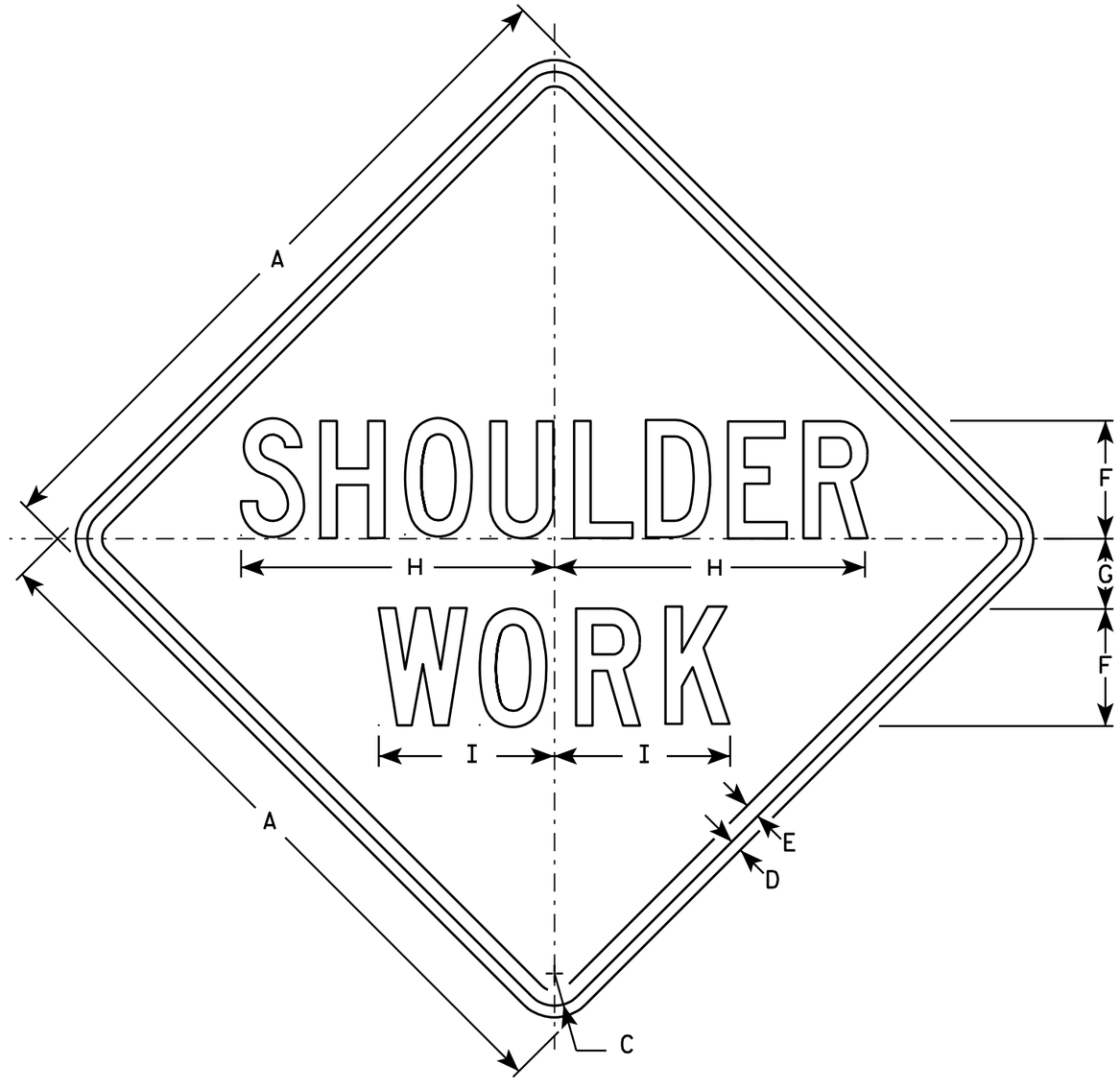
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 241 | 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

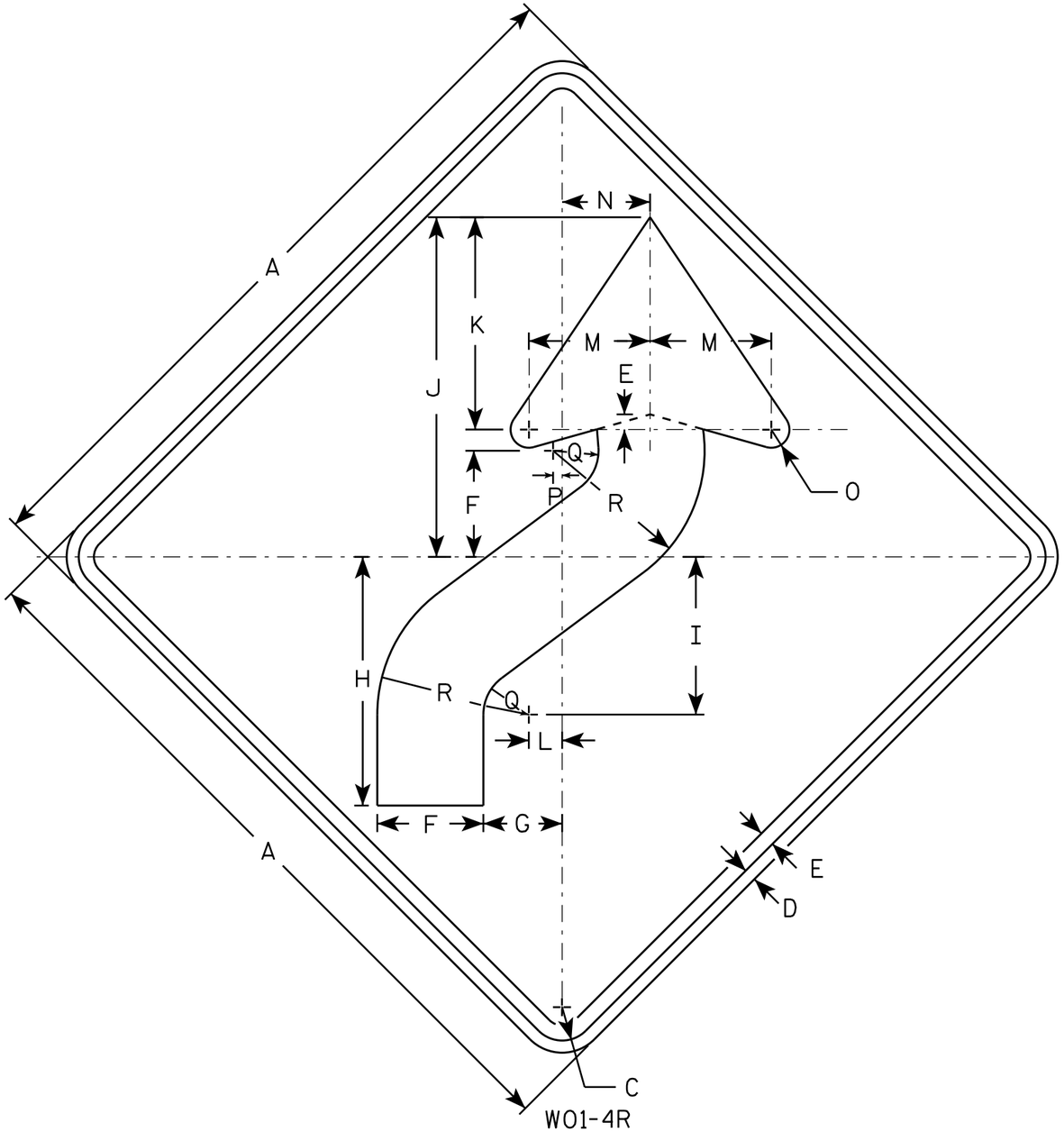
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 242 | 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



W01-4R

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. W01-4L is the same as W01-4R except the arrow 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	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

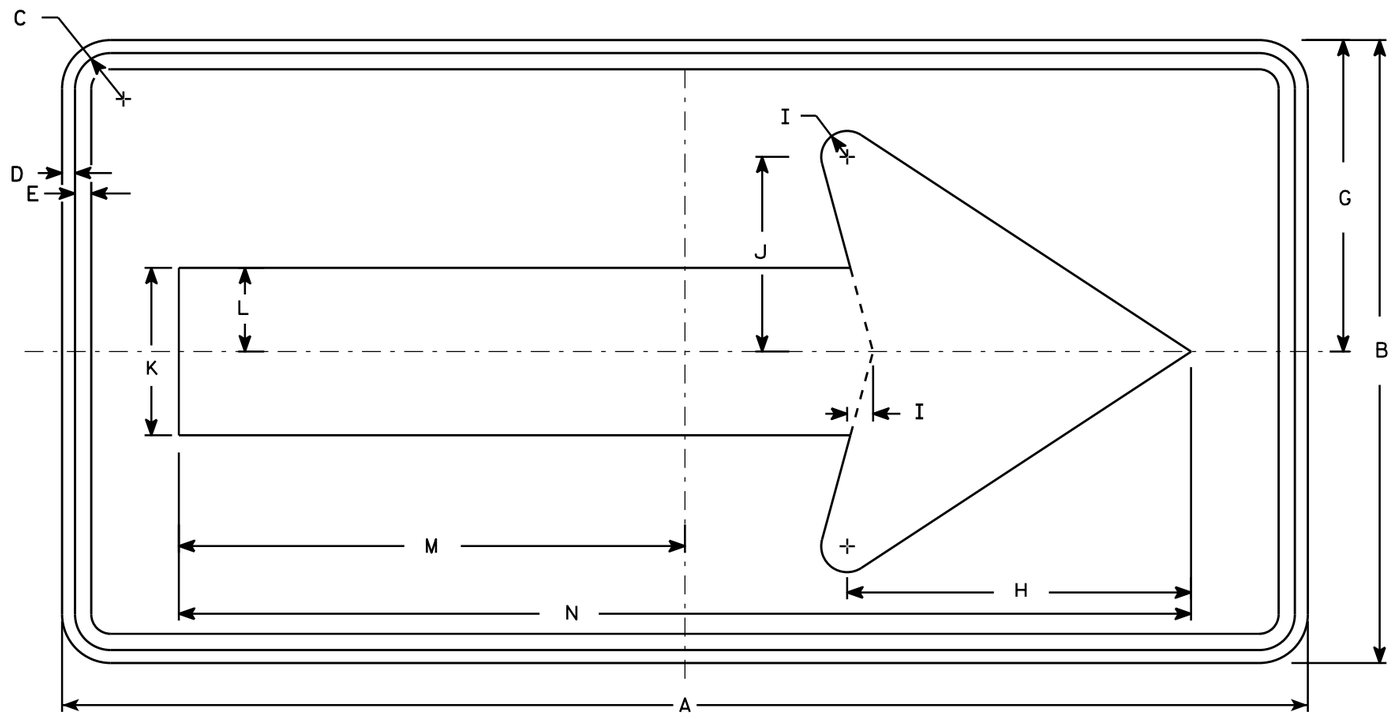
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000 WISDOT/CADDS SHEET 42



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

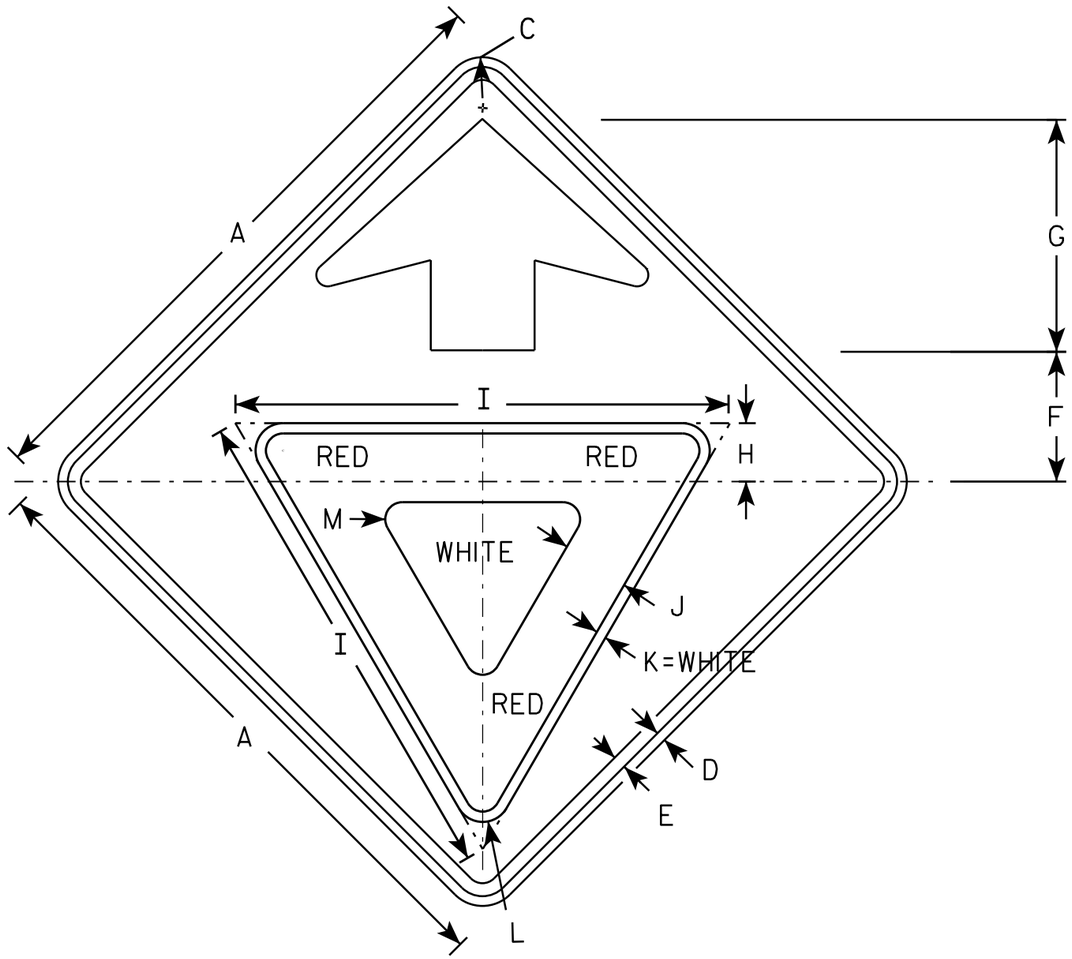
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

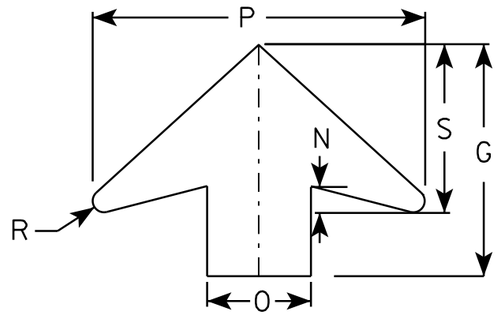
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W03-2

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Yield Symbol - WHITE BORDER ON RED BACKGROUND



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 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2S	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
2M	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
3	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W03-2

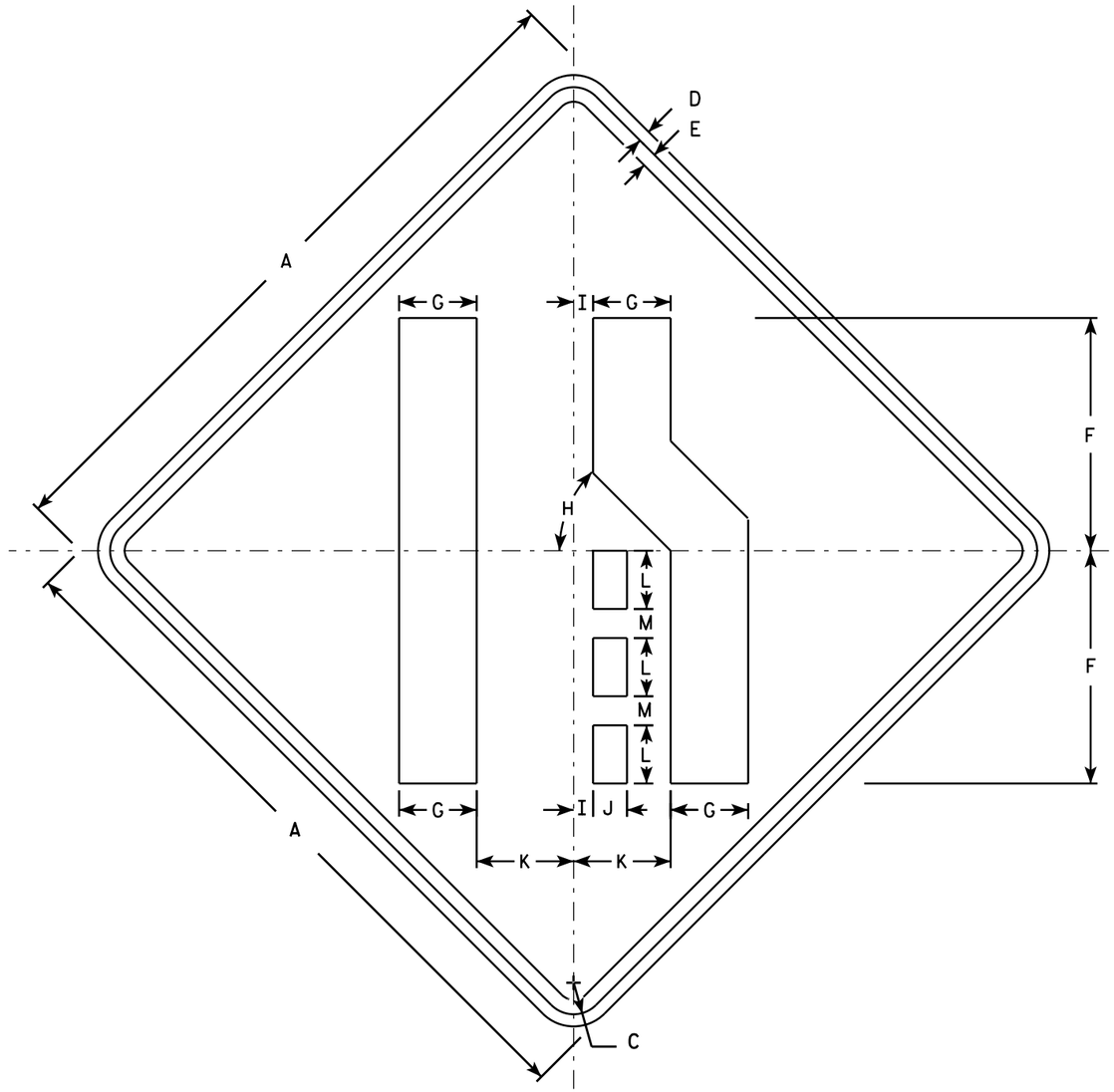
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W03-2.1

PROJECT NO:

SHEET NO: E



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

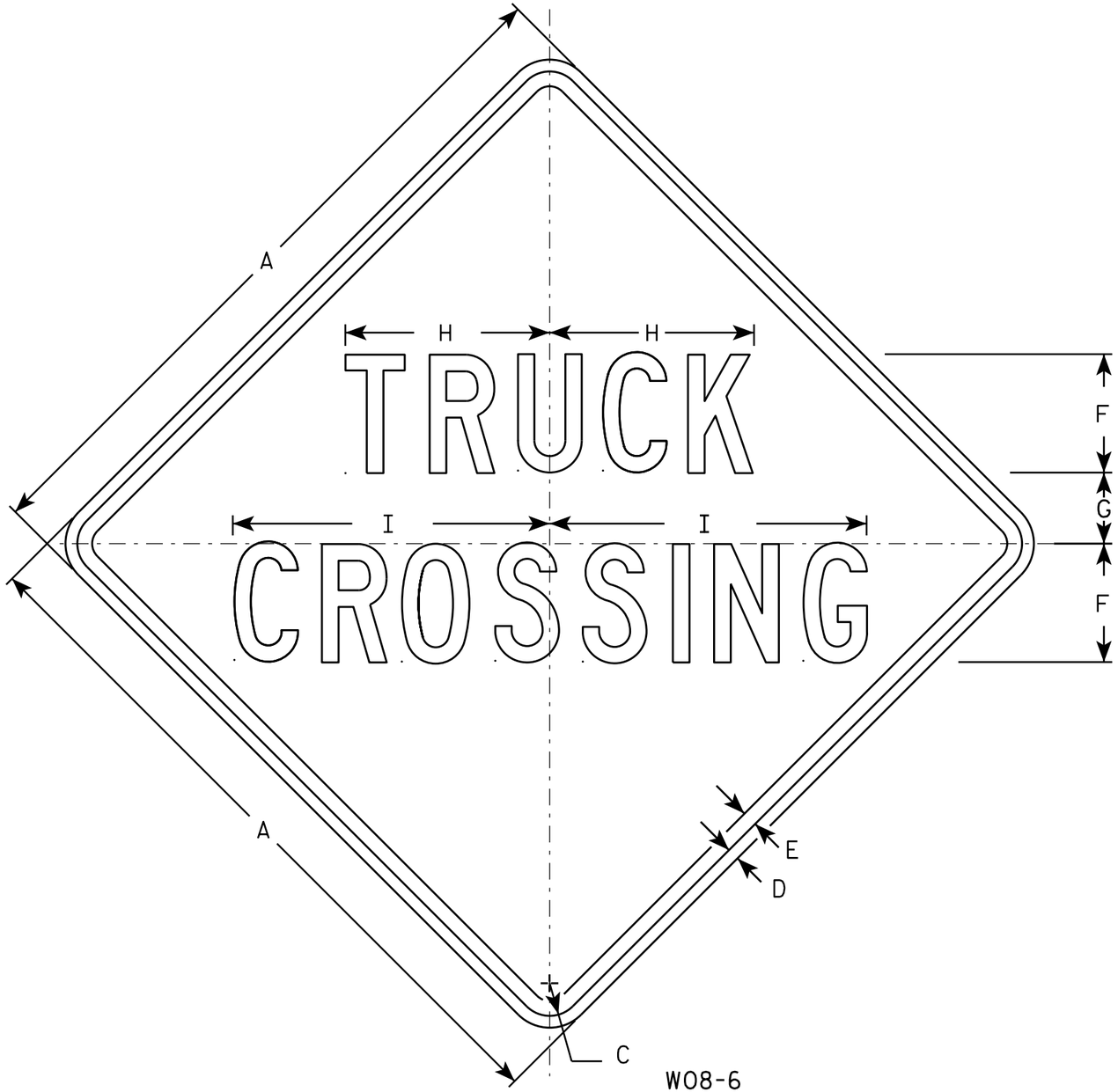
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 246 W04-2.1

PROJECT NO: | 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

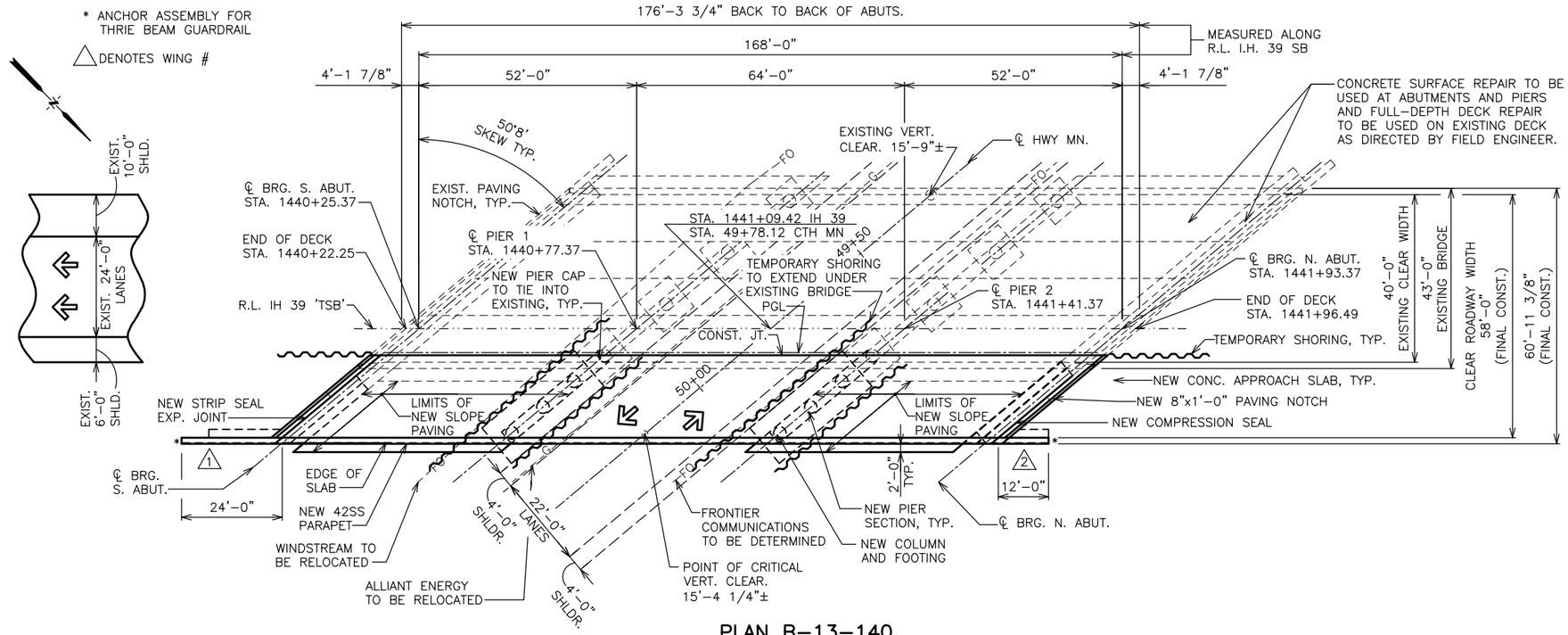
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 247 "W08-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

STATE PROJECT NUMBER
1007-10-84



PLAN B-13-140

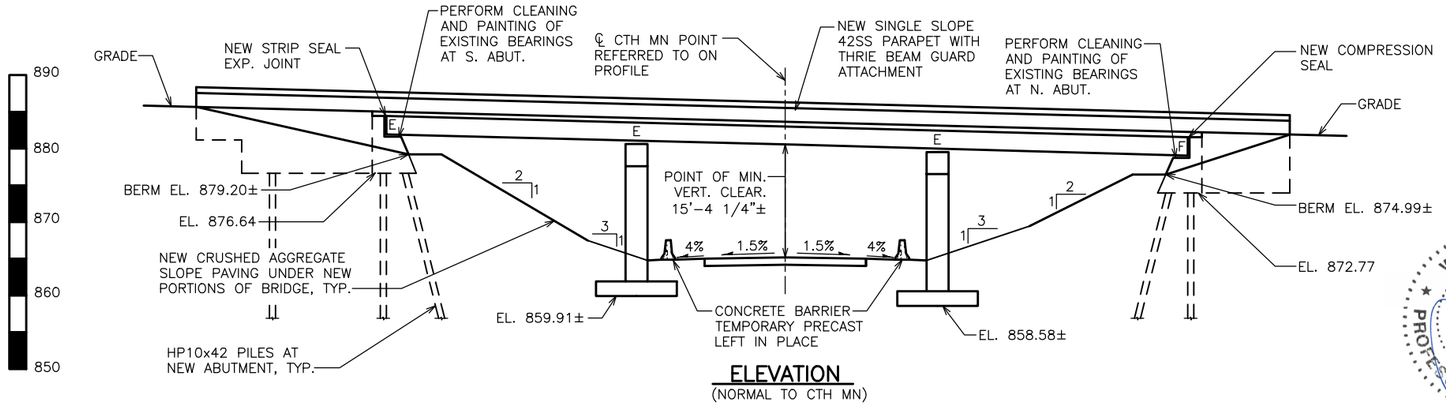
(THREE SPAN STEEL & 28-INCH PRESTRESSED GIRDER BRIDGE)

LIST OF DRAWINGS

1. GENERAL PLAN
2. TYPICAL SECTIONS
3. ESTIMATED QUANTITIES AND NOTES
4. SOUTH ABUTMENT
5. SOUTH ABUTMENT WING 1 DETAILS
6. SOUTH ABUTMENT DETAILS
7. NORTH ABUTMENT
8. NORTH ABUTMENT WING 2 DETAILS
9. NORTH ABUTMENT DETAILS
10. PIER 1 & 2
11. FIXED STEEL BEARING DETAILS
12. LAMINATED ELASTOMERIC BEARINGS
13. COMPRESSION SEAL JOINT DETAILS AT NORTH ABUTMENT
14. STRIP SEAL EXPANSION JOINT DETAILS AT SOUTH ABUTMENT
15. STRIP SEAL EXPANSION JOINT DETAILS AT SOUTH ABUTMENT
16. 28" PRESTRESSED GIRDER DETAILS
17. STEEL DIAPHRAGM DETAILS
18. DECK ELEVATIONS AND TABLE OF DEFLECTIONS
19. SUPERSTRUCTURE
20. SUPERSTRUCTURE PLAN
21. SUPERSTRUCTURE DETAILS AND BILL OF BARS
22. SINGLE SLOPE PARAPET 42SS
23. SLOPE PAVING CRUSHED AGGREGATE

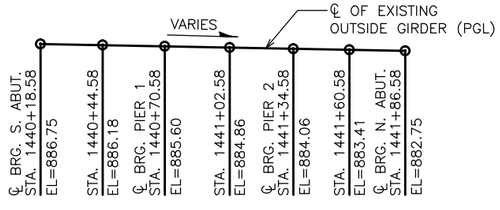
TRAFFIC DATA:

AVERAGE DAILY TRAFFIC (ADT)
IH39 ---------- 56,650 (2020)
58,030 (2022)
R.D.S.---------- 70 MPH
CTH MN -------2,265 (2019)
2,960 (2039)
R.D.S.---------- 60 MPH



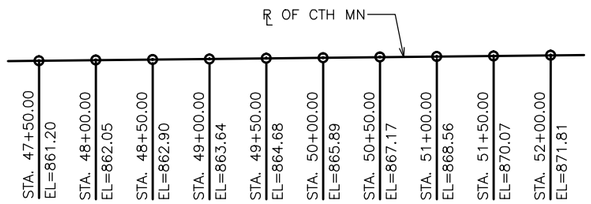
ELEVATION

(NORMAL TO CTH MN)



PROFILE GRADE I.H. 39

(BASED ON SURVEY. OFFSET 5'-8" RIGHT OF RL IH 39 'TSB')



PROFILE GRADE CTH MN

(BASED ON SURVEY)

BENCH MARKS

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
BM1	STA.2386'SB'+78.61	60.35' LT	SET CHISELED 'X' ON NE BOLT OF E. LEG OF SIGN BASE ALONG I-39 SB LANES APPROX. 280 FT S. OF CTH MN OVERPASS.	886.87

FOR DESIGN DATA SEE SHEET 2

WISDOT BRIDGE OFFICE CONTACT:
WILLIAM DREHER, PE
608.266.8489

OTIE CONTACT:
JAMES HALL, PE, SE
608.241.6717

WISCONSIN JAMES J. HALL E-36292 VERONA, WI PROFESSIONAL ENGINEER 2/9/17

WISCONSIN MICHAEL D. RADTKE 40967 Elm Grove WI PROFESSIONAL ENGINEER FEB 9 2017

SHEETS 10-12

NO.	DATE	REVISION	BY

PLANS PREPARED BY
OTIE An Oneida Nation Company
5100 Eastpark Blvd
Suite 300
Madison, WI 53718
www.OTIE.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SDR 02/22/17
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-140

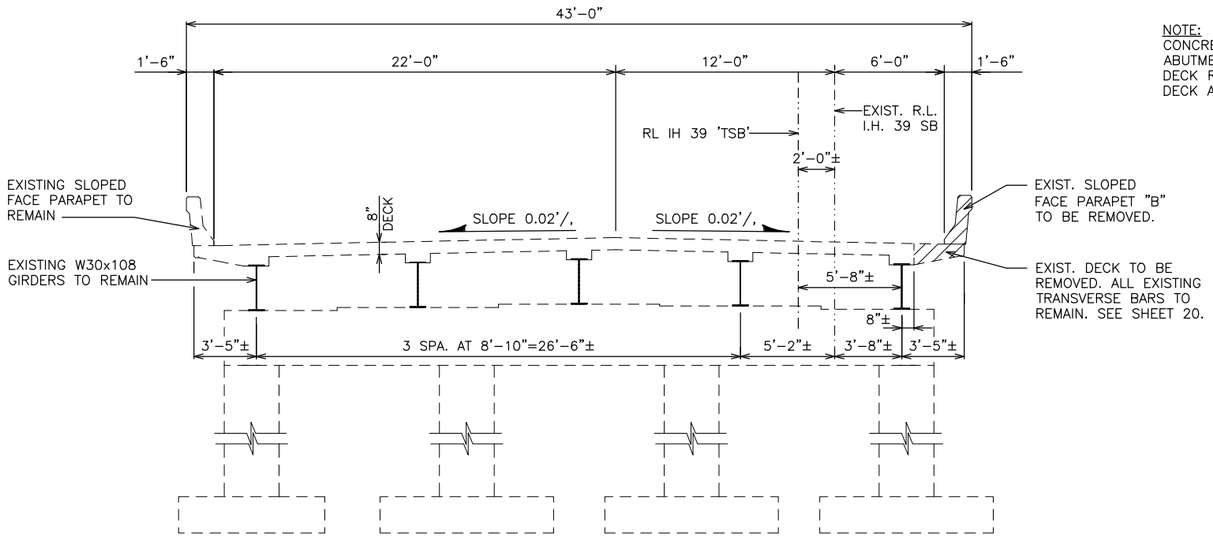
I.H.39 SB OVER C.T.H. MN

COUNTY DANE
TOWN ~~CITY/VILLAGE~~ PLEASANT SPRINGS
DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	SDB	DESIGN CK'D.	JJH	DRAWN BY	KGC	PLANS CK'D.	JJH

GENERAL PLAN

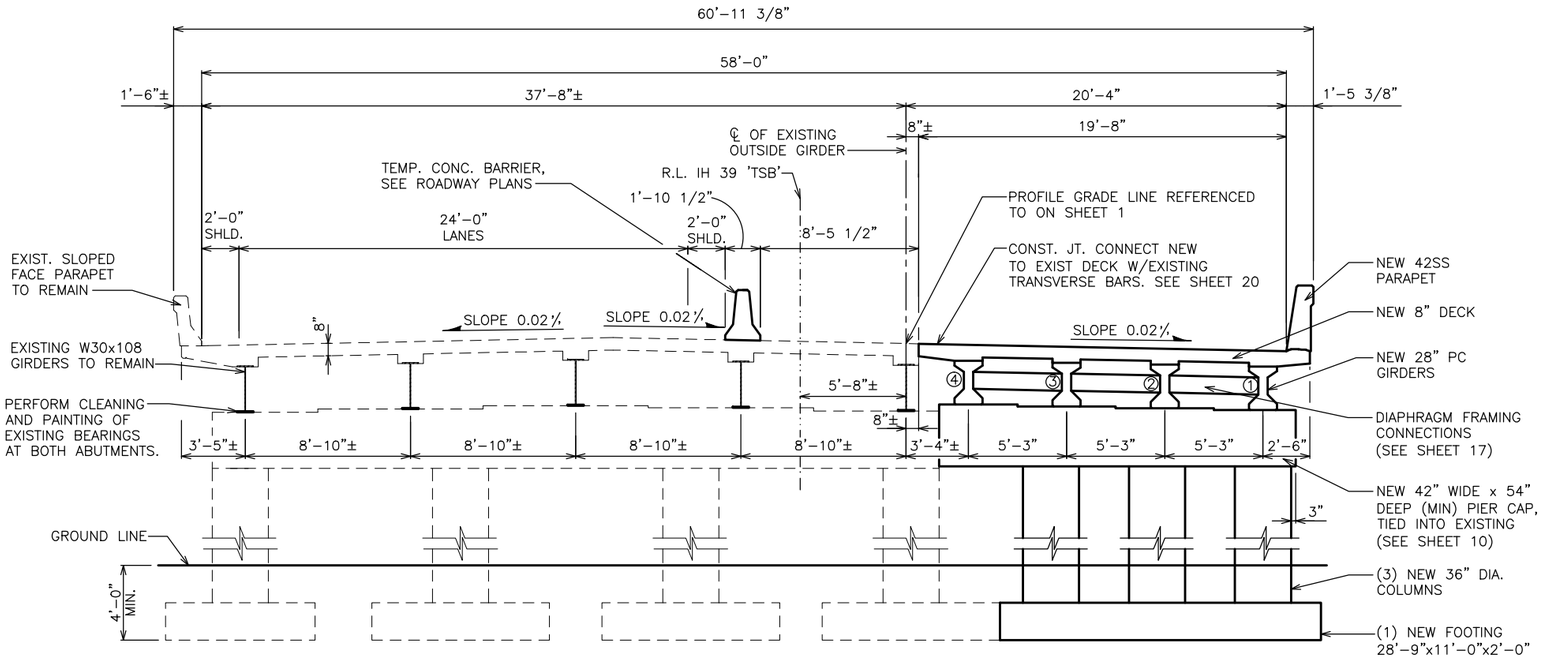
SHEET 1 OF 23



NOTE:
CONCRETE SURFACE REPAIR TO BE USED AT ABUTMENTS AND PIERS AND FULL-DEPTH DECK REPAIR TO BE USED ON EXISTING DECK AS DIRECTED BY FIELD ENGINEER.

CROSS SECTION THRU EXISTING BRIDGE

(LOOKING NORTH)



CROSS SECTION THRU BRIDGE

(LOOKING NORTH)

DESIGN DATA

LRFD DESIGN FOR NEW GIRDERS AND SUBSTRUCTURES.

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.05
OPERATING RATING FACTOR: RF=1.37
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 190 KIPS

- INVENTORY AND OPERATIONAL RATINGS DO NOT INCLUDE A FUTURE WEARING SURFACE.
- STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 PSF

MATERIAL PROPERTIES:
CONCRETE MASONRY -SLAB----------f'c = 4,000 PSI
-ALL OTHERS-----f'c = 3,500 PSI
HIGH STRENGTH BAR STEEL REINF.
AASHTO GRADE 60----------Fy = 60,000 PSI
28" PRESTRESSED GIRDERS,
CONCRETE MASONRY----------f'c = 8,000 PSI FINAL
STRANDS-0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 PSI
STRUCTURAL STEEL
ASTM A709 GRADE 36----------Fy = 36,000 PSI (DIAPHRAGMS)

EXISTING GIRDERS AND SUBSTRUCTURES

DESIGN LOADING = HS-20
INVENTORY RATING = HS-19
OPERATIONAL RATING= HS-32

MATERIAL PROPERTIES:
CONCRETE MASONRY SUPERSTRUCTURE-----f'c = 4,000 P.S.I.
BAR STEEL REINF., GRADE 60----------Fy = 60,000 P.S.I.

FOUNDATION DATA

ABUTMENT WIDENINGS SHALL BE SUPPORTED ON HP 10x42 STEEL PILES WITH A REQUIRED DRIVING RESISTANCE OF 75 TONS* PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH OF 30 FEET FOR BOTH ABUTMENTS.

PIERS SHALL BE SUPPORTED ON SOIL WITH ALLOWABLE SOIL BEARING PRESSURE = 3 KIP/SF.

*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.

ALLOWABLE SOIL BEARING PRESSURES CAME FROM EXISTING 1961 DRAWINGS AVAILABLE THROUGH THE DEPARTMENT OF TRANSPORTATION.

NO.	DATE	REVISION	BY

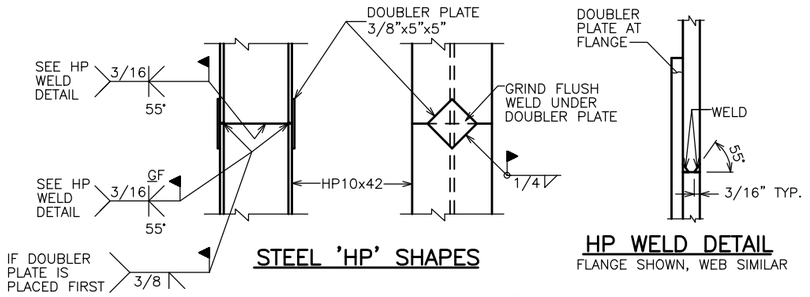
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY KGC | PLANS CHK'D JJH

TYPICAL SECTIONS

SHEET 2 OF 23



STEEL 'HP' SHAPES

HP WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

PILE SPLICE DETAILS

GENERAL NOTES

DRAWINGS ARE NOT TO BE SCALED.

DIMENSIONS AND ELEVATIONS ARE BASED ON EXISTING ORIGINAL STRUCTURE PLANS, DECK REPLACEMENT PLANS, AND FIELD SURVEY.

BAR STEEL REINFORCING SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

SALVAGE EXISTING NAME PLATE IF POSSIBLE, OTHERWISE THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR OF 1961.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAW CUT UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES SHALL BE THE EXISTING GROUNDLINE.

SEE ROADWAY PLANS FOR LANE STAGING AND TRAFFIC.

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, ABUTMENT DETAILS AND ALL DETAILS SHOWN IN PLAN.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON SHEET 16.

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 BACKFILL STRUCTURE TYPE A. SEE SHEETS 6 AND 9 FOR DETAIL.

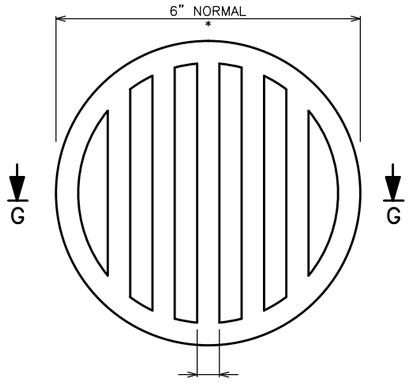
APPLY PROTECTIVE SURFACE TREATMENT TO TOP OF NEW BRIDGE DECK AND PIGMENTED SURFACE SEALER TO TOP AND INSIDE FACES OF NEW PARAPET.

THE EXISTING BRIDGE B-13-140 IS A 3-SPAN CONTINUOUS STEEL GIRDER BRIDGE WITH AN OVERALL LENGTH OF 176'-3 3/4" AND A CLEAR ROADWAY WIDTH OF 40'.

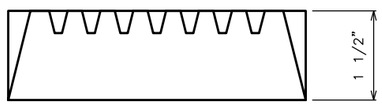
TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	SOUTH ABUT.	PIER 1	PIER 2	NORTH ABUT.	SUPER STRUCT.	TOTALS
	203.0200	REMOVING OLD STRUCTURE STA. 1441'TSB'+09.42	LS	--	--	--	--	--	1
	206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-13-140	LS	--	--	--	--	--	1
	210.1500	BACKFILL STRUCTURE TYPE A	TON	140	--	--	180	--	320
	502.0100	CONCRETE MASONRY BRIDGES	CY	47.6	53.7	53.7	44.4	137.0	336.4
	502.2000	COMPRESSION JOINT SEALER PREFORMED ELASTOMERIC 2 1/2-INCH	LF	--	--	--	33	--	33
	502.3100	EXPANSION DEVICE B-13-140	LS	1	--	--	--	--	1
	502.3200	PROTECTIVE SURFACE TREATMENT	SY	--	--	--	--	380	380
	502.3210	PIGMENTED SURFACE SEALER	SY	--	--	--	--	110	110
	502.4204	ADHESIVE ANCHORS NO. 4 BAR	EA	8	16	16	6	--	46
	502.4205	ADHESIVE ANCHORS NO. 5 BAR	EA	3	--	--	3	--	6
	502.4206	ADHESIVE ANCHORS NO. 6 BAR	EA	11	--	--	11	--	22
	502.4207	ADHESIVE ANCHORS NO. 7 BAR	EA	--	12	12	6	--	30
	502.4210	ADHESIVE ANCHORS NO. 10 BAR	EA	8	--	--	--	--	8
	503.0128	PRESTRESSED GIRDER TYPE I 28-INCH	LF	--	--	--	--	416	416
	505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	3,440	3,970	3,970	2,180	--	13,560
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,950	5,020	5,020	1,190	29,500	42,680
	506.2610	BEARING PADS ELASTOMERIC LAMINATED	EA	4	8	8	--	--	20
	506.4000	STEEL DIAPHRAGMS B-13-140	EA	--	--	--	--	9	9
	506.5000	BEARING ASSEMBLIES FIXED B-13-140	EA	--	--	--	4	--	4
★	509.1500	CONCRETE SURFACE REPAIR	SF	--	--	--	--	--	100
★	509.2000	FULL-DEPTH DECK REPAIR	SY	--	--	--	--	12	12
	511.1200	TEMPORARY SHORING B-13-140	SF	150	600	600	150	--	1,500
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	10	--	--	8	--	18
	550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	270	--	--	240	--	510
	604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	110	--	--	110	--	220
	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	70	--	--	50	--	120
	614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EA	1	--	--	1	--	2
	SPV.0060.700	CLEANING AND PAINTING BEARINGS	EACH	5	--	--	5	--	10
		NON-BID-ITEMS							
		FILLER	SIZE						3/4"

★ CONCRETE SURFACE REPAIR TO BE USED AT ABUTMENTS AND PIERS AND FULL-DEPTH DECK REPAIR TO BE USED ON EXISTING DECK AS DIRECTED BY FIELD ENGINEER.



RODENT SCREEN DETAIL



SECTION G-G

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SCREEN, PIPE COUPLING AND SCREWS SHALL BE INCLUDED WITH THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6 INCH".

THE RODENT SCREEN 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 ATTACHMENT OF THIS SCREEN TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SCREEN SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1" STAINLESS STEEL SHEET METAL SCREWS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY KGC | PLANS CHK'D JJH

ESTIMATED QUANTITIES AND NOTES

STATE PROJECT NUMBER
1007-10-84

EL 886.90 TOP OF DECK AT DECK EDGE

EL 887.43 TOP OF DECK AT WING TIP

1'-9 5/8"

23 SPA. AT 1'-0" = 23'-0"
A507, A509

3"

EXISTING ABUTMENT BODY TO REMAIN

1'-0" LAP

EL 887.02±

A420

INCORPORATE EXIST. VERT. REINFORCEMENT INTO NEW WORK

A521

ADHESIVE ANCHORS NO. 5 BAR, EMBED 1'-0 1/2" MIN.

A510

A509

A408

EL=883.16

EL=883.12

EL=883.09

6" CL.

EL=883.06

EXIST. EL=883.11±
(FROM SURVEY)

A507

ADHESIVE ANCHORS NO. 4
BAR, EMBED 0'-10" MIN.

MIN. CLEAR DISTANCE
OF 6" TO ALL EDGES

J01

A1005
A606

A1003
A604

EXIST. EL=877.05±

BERM

6" CL.

A601
A602

EL=876.64

ADHESIVE ANCHORS NO. 10 BAR, EMBED 2'-1 1/2" MIN.
ADHESIVE ANCHORS NO. 6 BAR, EMBED 1'-3" MIN.

FOR SECTION A SEE SHEET 6

19 SPA. AT 1'-0" = 19'-0"
A601, A602

10'-9 1/2"

4'-3 1/4"

6'-6 1/4"

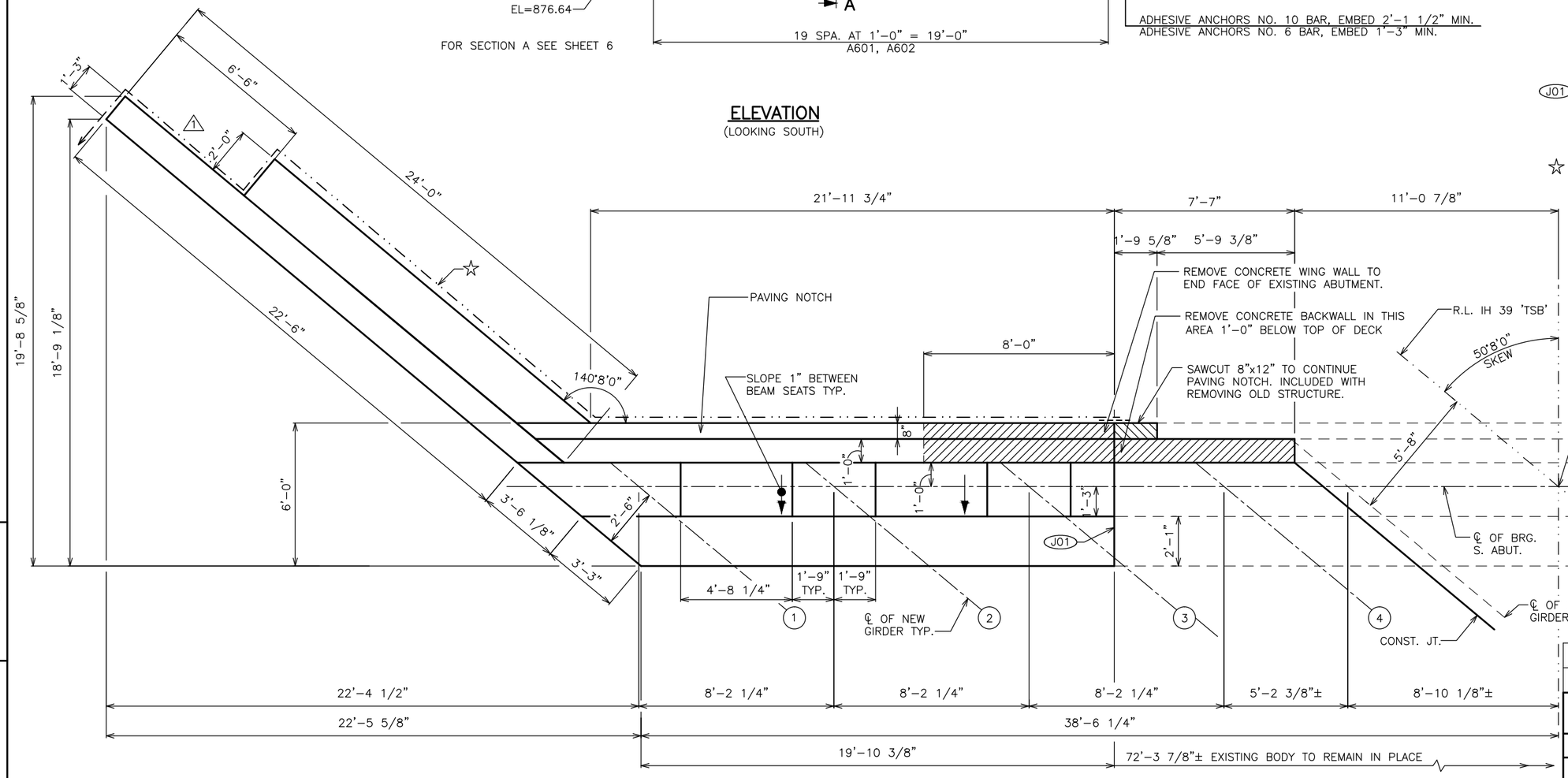
NOTES:
CONCRETE SURFACE REPAIR TO BE USED AT EXISTING ABUTMENTS AS DIRECTED BY FIELD ENGINEER.

PERFORM CLEANING AND PAINTING OF EXISTING BEARINGS AT S. ABUT. FINAL COATING TO MATCH EXISTING GIRDERS.

ELEVATION
(LOOKING SOUTH)

J01 ROUGHEN SURFACE OF CONCRETE 1/4" DEEP MIN. ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

☆ PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPED TO DRAIN. SEE SHEET 6.



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY KGC | PLANS CHK'D JJH

SOUTH ABUTMENT

SHEET 4 OF 23

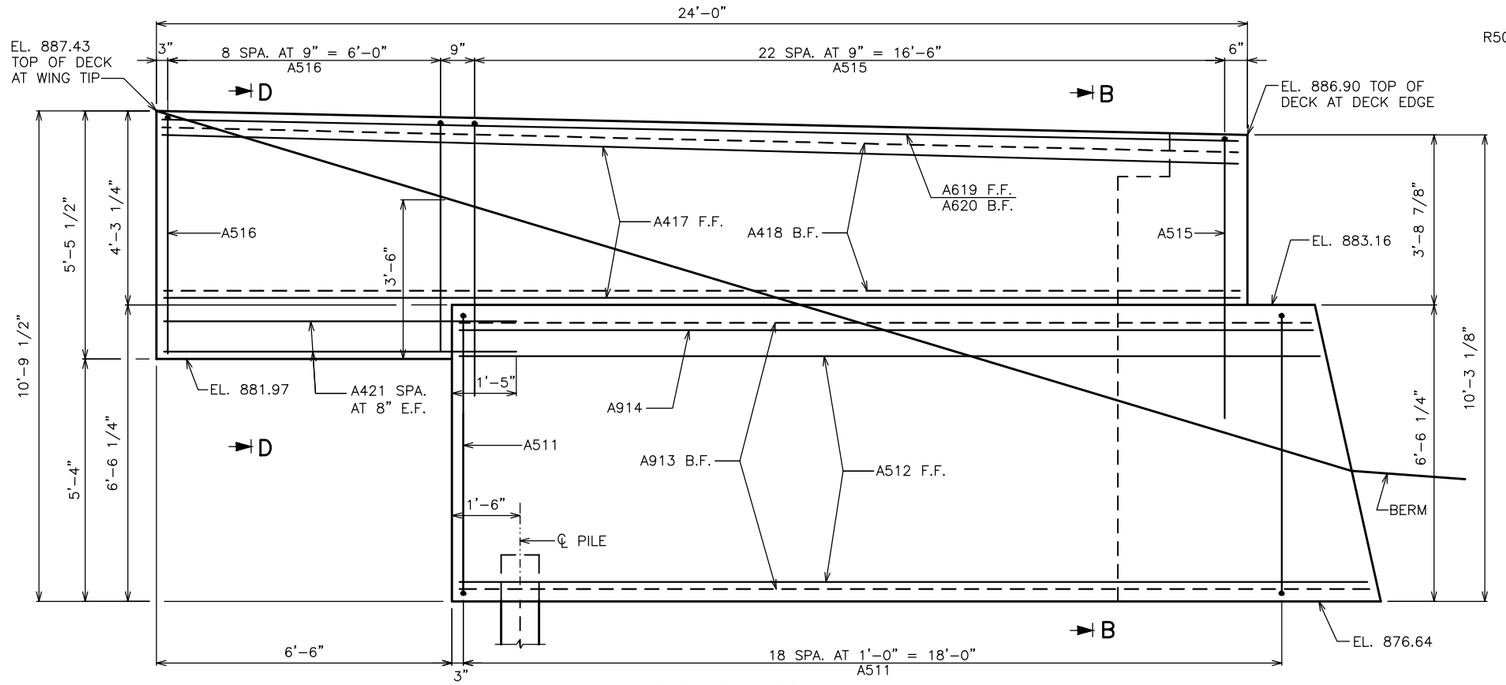
251

8

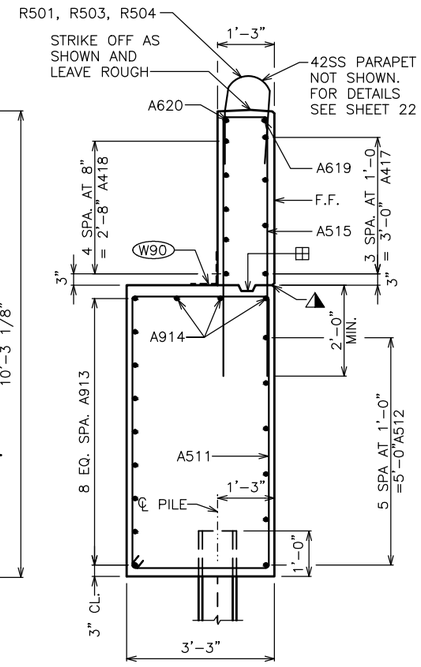
8

STATE PROJECT NUMBER

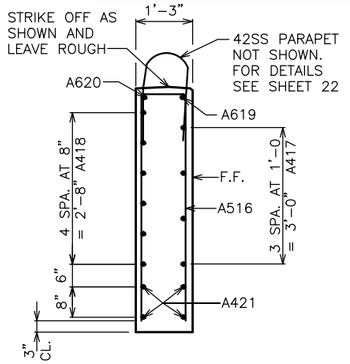
1007-10-84



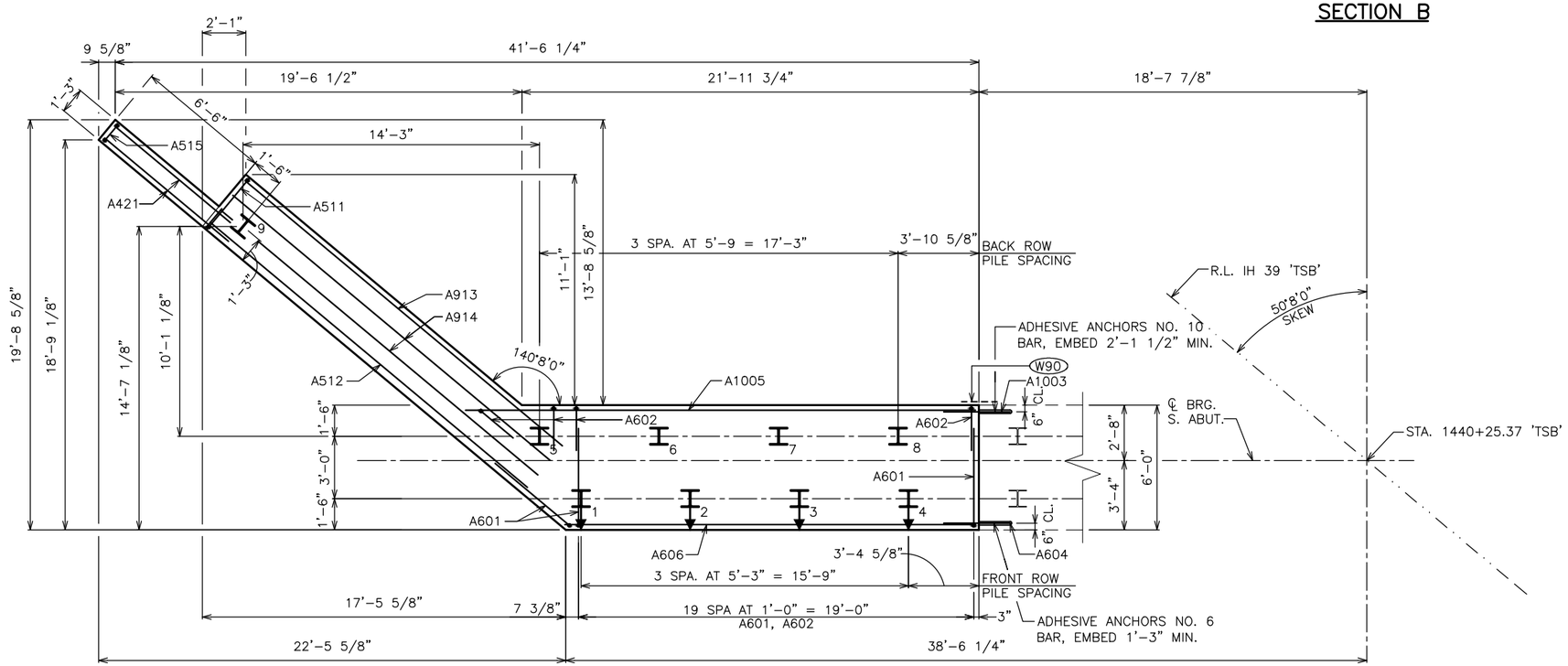
ELEVATION WING 1



SECTION B



SECTION D



PLAN WING 1

DENOTES BATTERED PILES.
BATTER 3"/FOOT IN DIRECTION
SHOWN

W90 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT

OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

3/4" 'V' GROOVE ON F.F. OF WINGWALL. OMIT IF CONST. JOINT NOT USED.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY KGC | PLANS CHK'D JJH

SOUTH ABUTMENT
WING 1 DETAILS

SHEET 5 OF 23

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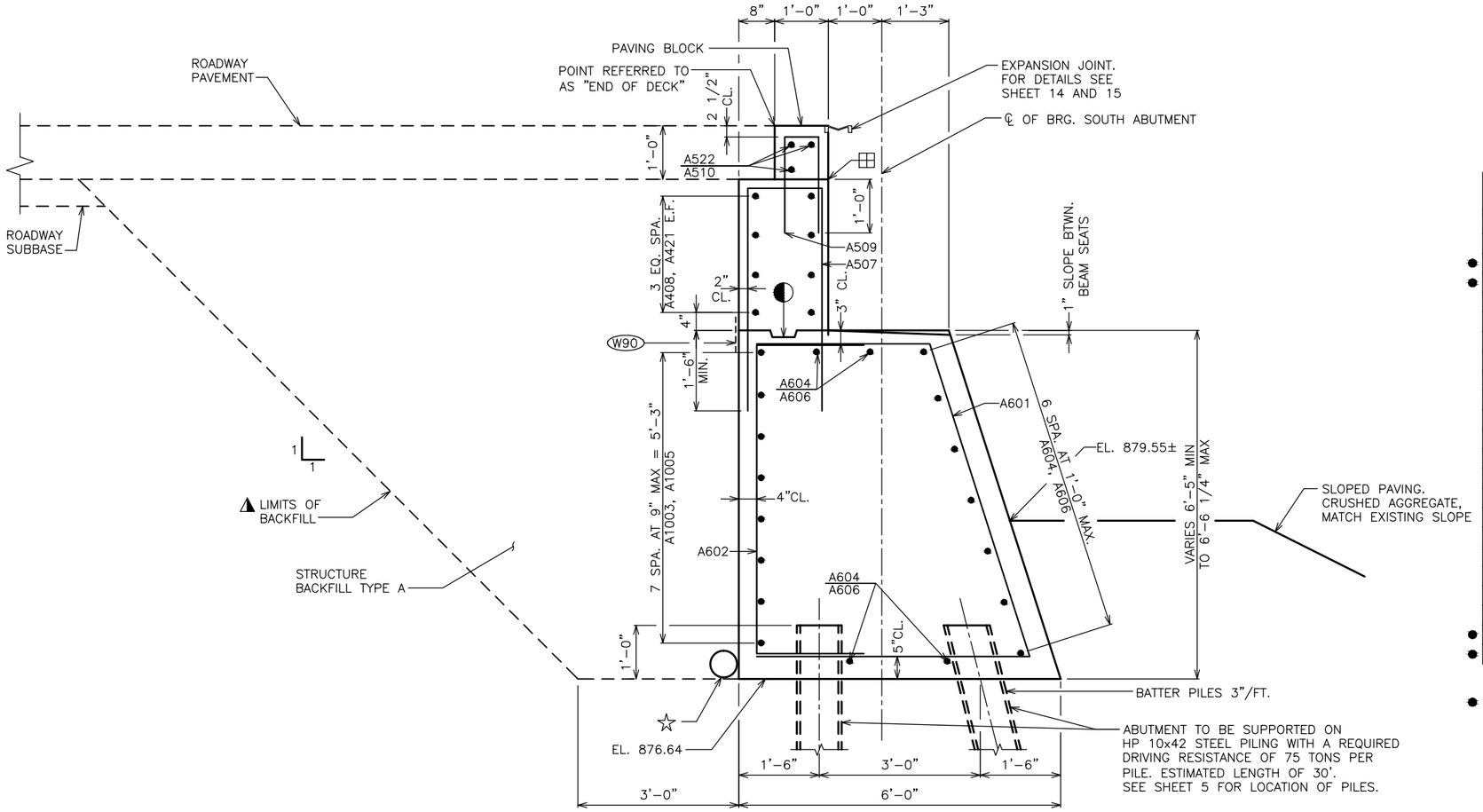
STATE PROJECT NUMBER

1007-10-84



SECTION A

FOR LOCATION OF SECTION "A", SEE SHEET 4.

BILL OF BARS

FOR SOUTH ABUTMENT

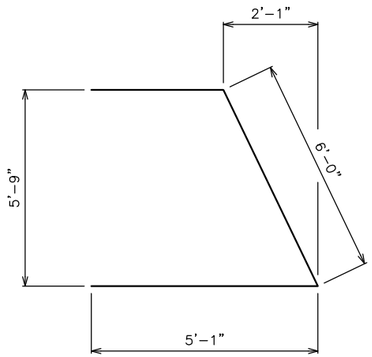
WEIGHTS INCLUDE PARAPET STEEL SHOWN ON SHEET 22

COATED: 1,950 LBS
UNCOATED: 3,440 LBS

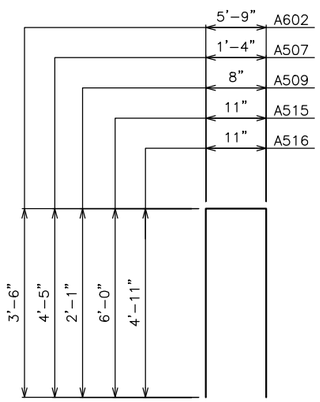
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A601		21	13-11	X		BODY VERT. F.F
A602		22	12-5	X		BODY VERT. B.F.
● A1003		8	4-4			BODY DOWELS B.F.
● A604		11	2-6			BODY DOWELS
A1005		8	24-6			BODY HORIZ. B.F.
A606		11	19-8			BODY HORIZ.
A507	X	24	9-3	X		BACKWALL VERT.
A408	X	8	22-11			BACKWALL HORIZ.
A509	X	24	4-0	X		BACKWALL AT PAVING BLOCK VERT.
A510	X	15	8-0			PAVING BLOCK HORIZ.
A511		19	17-10	X		WING 1 BODY VERT.
A512		5	19-10			WING 1 BODY HORIZ. F.F.
A913		9	19-10			WING 1 BODY HORIZ. B.F.
A914		3	19-10			WING 1 BODY HORIZ.
A515	X	23	12-8	X		WING 1 RAIL VERT.
A516	X	9	11-4	X		WING 1 RAIL VERT.
A417	X	4	22-4			WING 1 RAIL HORIZ. F.F.
A418	X	5	23-5			WING 1 RAIL HORIZ. B.F.
A619	X	1	22-4			WING 1 RAIL HORIZ. TOP F.F.
A620	X	1	23-5			WING 1 RAIL HORIZ. TOP B.F.
A421	X	4	7-9			WING 1 RAIL HORIZ. BOTH FACES
● A422	X	8	1-8			BACKWALL DOWELS
● A523	X	3	2-1			PAVING BLOCK DOWELS

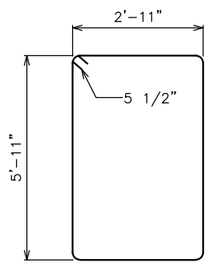
BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

● ADHESIVE ANCHORS



A601





A511

☆ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT DISCHARGE END OF PIPE UNDERDRAIN AND CAP AT THE OTHER END. RODENT SHIELD TO BE INCLUDED IN BID PRICE OF "PIPE UNDERDRAIN WRAPPED 6-INCH". SEE SHEET 3.

(W90) 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT.

◐ OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

⊞ CONSTRUCTION JOINT – POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IN IS PLACE. STRIKE OFF AND LEVEL ROUGH.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-13-140" SHALL BE THE EXISTING GROUNDLINE.

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

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.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

SEE SHEET 3 FOR PILE SPLICE DETAIL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY KGC | PLANS CHK'D JJH

SOUTH ABUTMENT DETAILS

SHEET 6 OF 23

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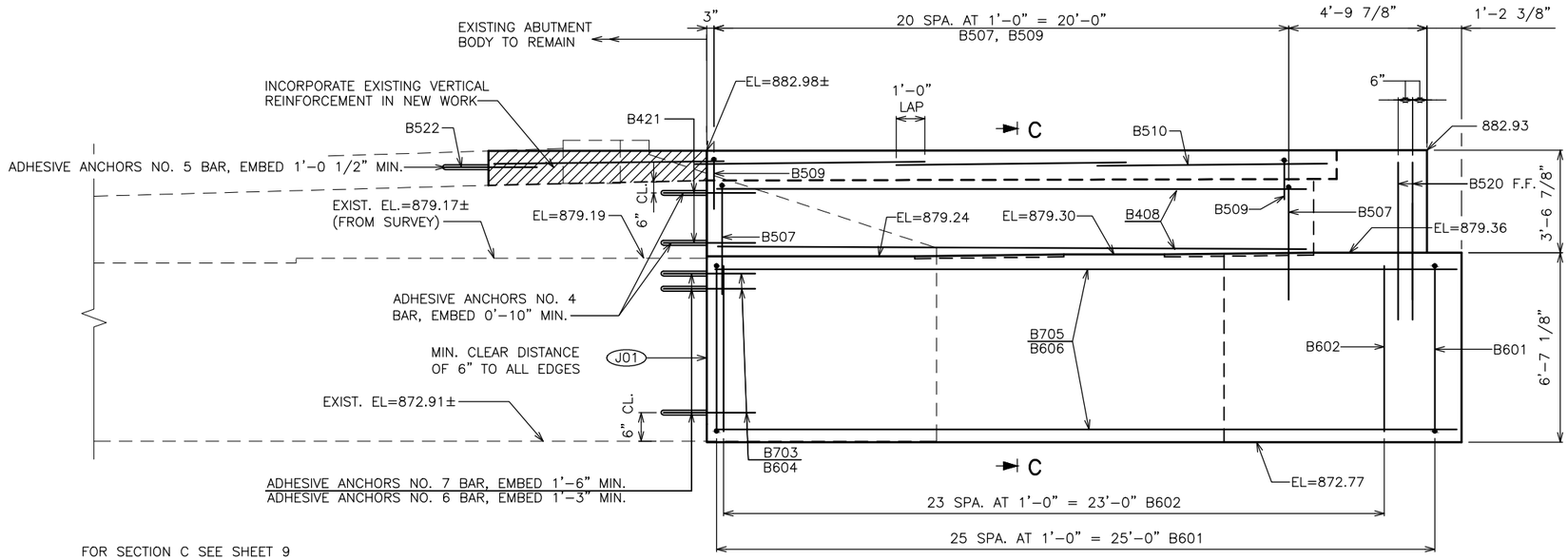
STATE PROJECT NUMBER
1007-10-84



FOR SECTION C SEE SHEET 9

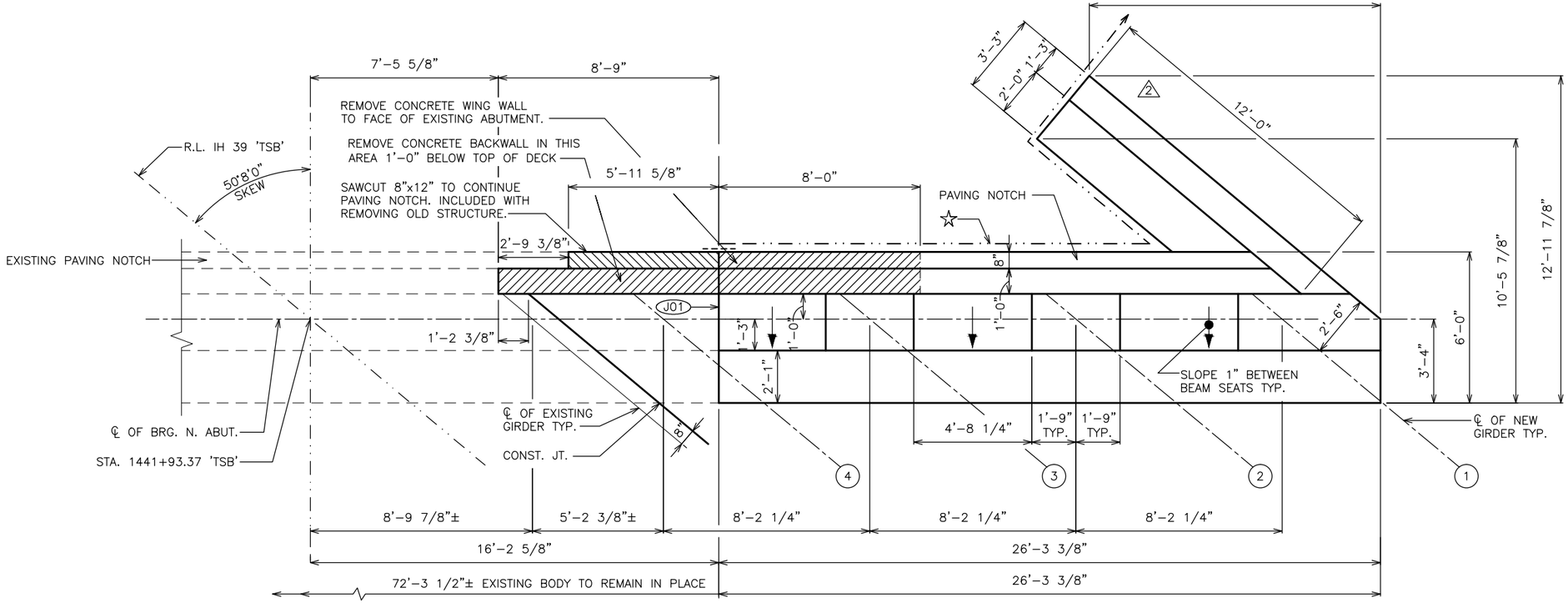
ELEVATION
(LOOKING NORTH)

NOTES:
CONCRETE SURFACE REPAIR TO BE USED AT EXISTING ABUTMENTS AS DIRECTED BY FIELD ENGINEER.

PERFORM CLEANING AND PAINTING OF EXISTING BEARINGS AT N. ABUT. FINAL COATING TO MATCH EXISTING GIRDERS. RE-SHIM BEARINGS AS NECESSARY UNDER THE DIRECTION OF THE ENGINEER AFTER CLEANING OPERATIONS ARE COMPLETE. ALL CLEANING AND PAINTING OPERATIONS, NEW STEEL SHIMS, AND ALL JACKING OPERATIONS ASSOCIATED WITH RE-SHIMMING OF THE BEARINGS IS CONSIDERED INCLUDED IN THE COST OF THE BID ITEM "CLEANING AND PAINTING BEARINGS".

(J01) ROUGHEN SURFACE OF CONCRETE 1/4" DEEP MIN. ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

☆ PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPED TO DRAIN. SEE SHEET 9.



PLAN

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

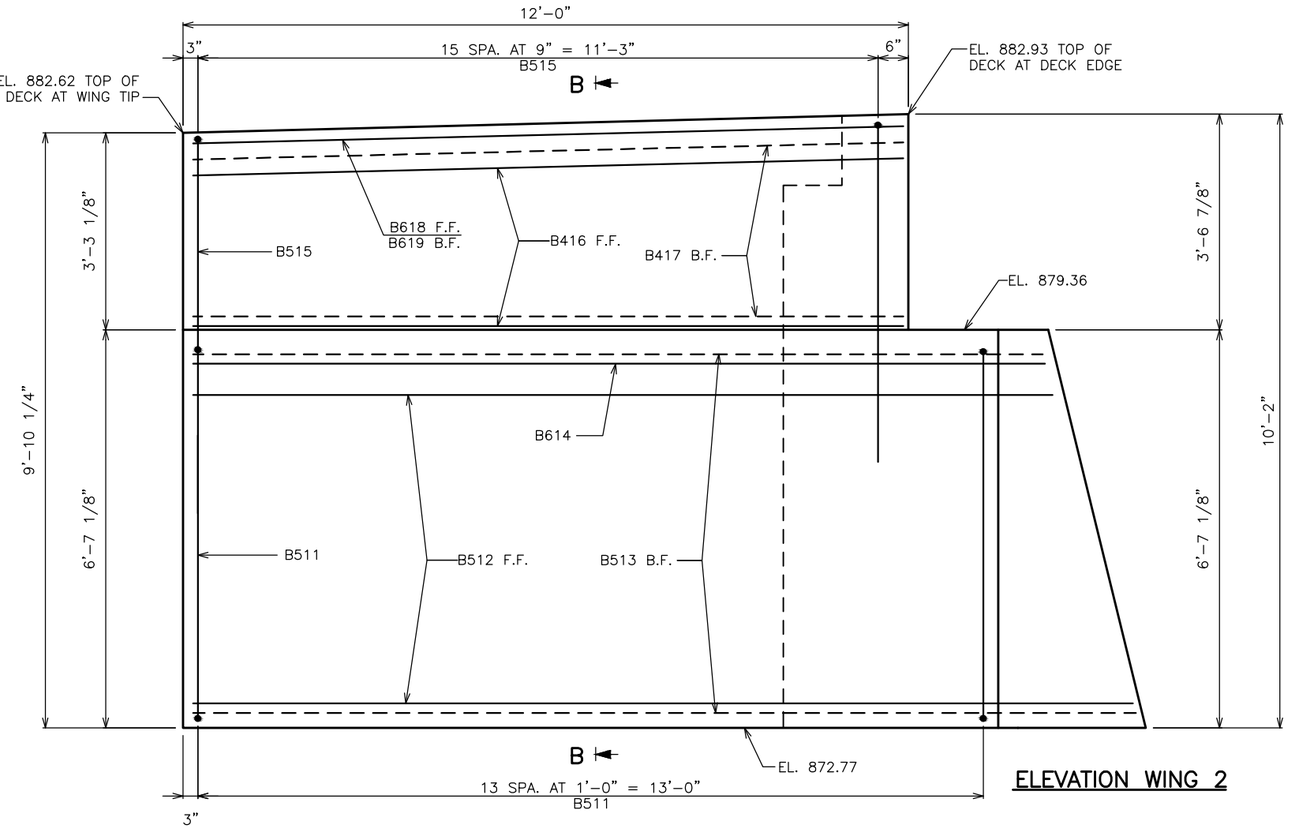
STRUCTURE B-13-140

DRAWN BY KGC | PLANS CHK'D JJH

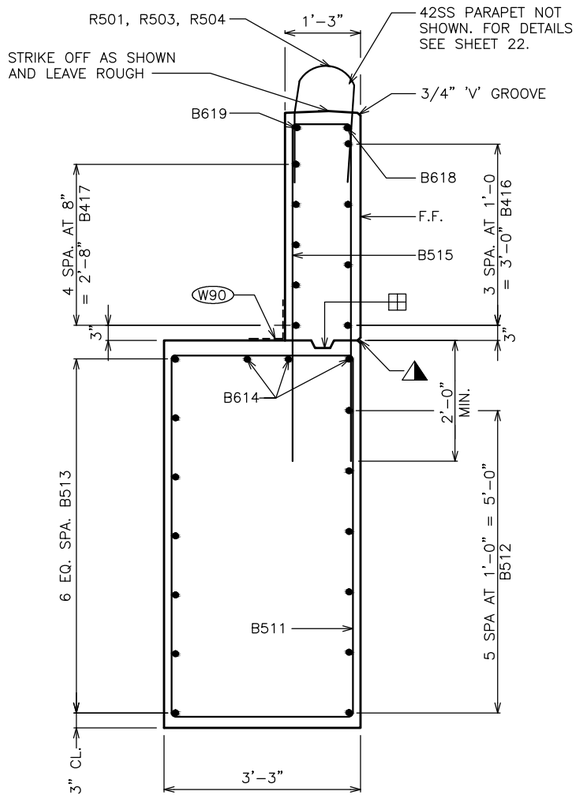
NORTH ABUTMENT

SHEET 7 OF 23

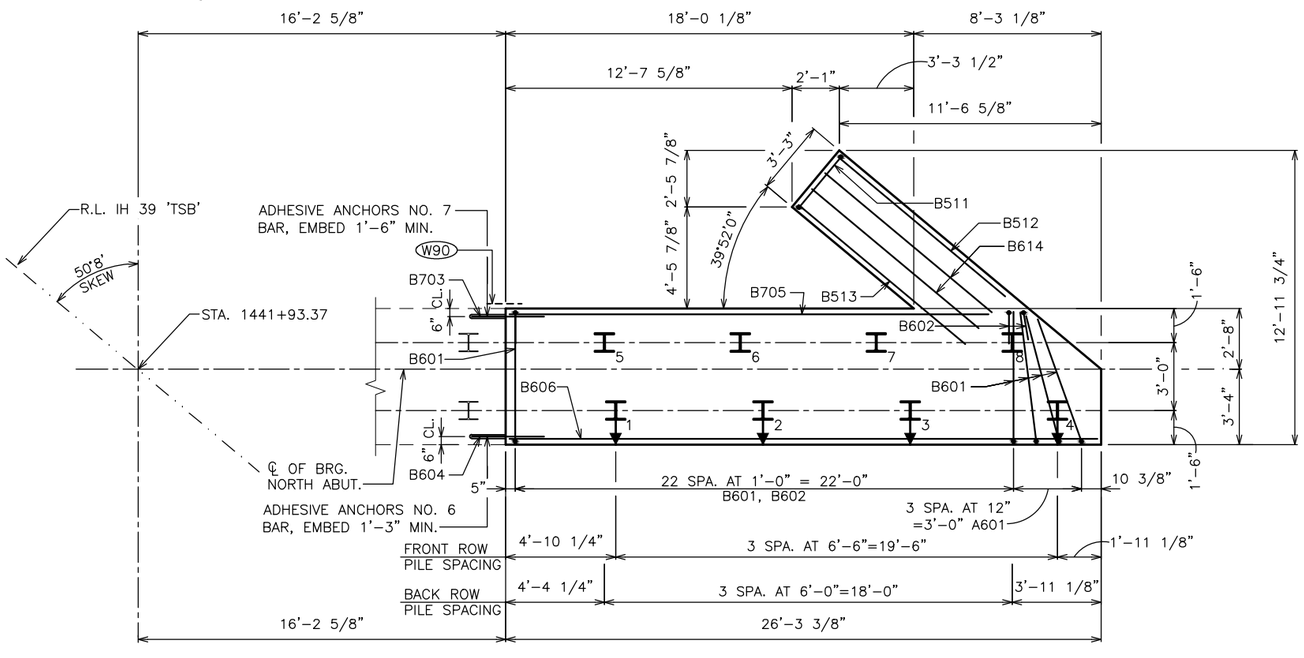
254



ELEVATION WING 2



SECTION B



PLAN WING 2

DENOTES BATTERED PILES. BATTER 3"/FOOT IN DIRECTION SHOWN

W90 — 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT

OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

3/4" 'V' GROOVE ON F.F. OF WINGWALL. OMIT IF CONST. JOINT NOT USED.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE

STATE PROJECT NUMBER
1007-10-84

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY KGC | PLANS CHK'D JJH

NORTH ABUTMENT WING 2 DETAILS

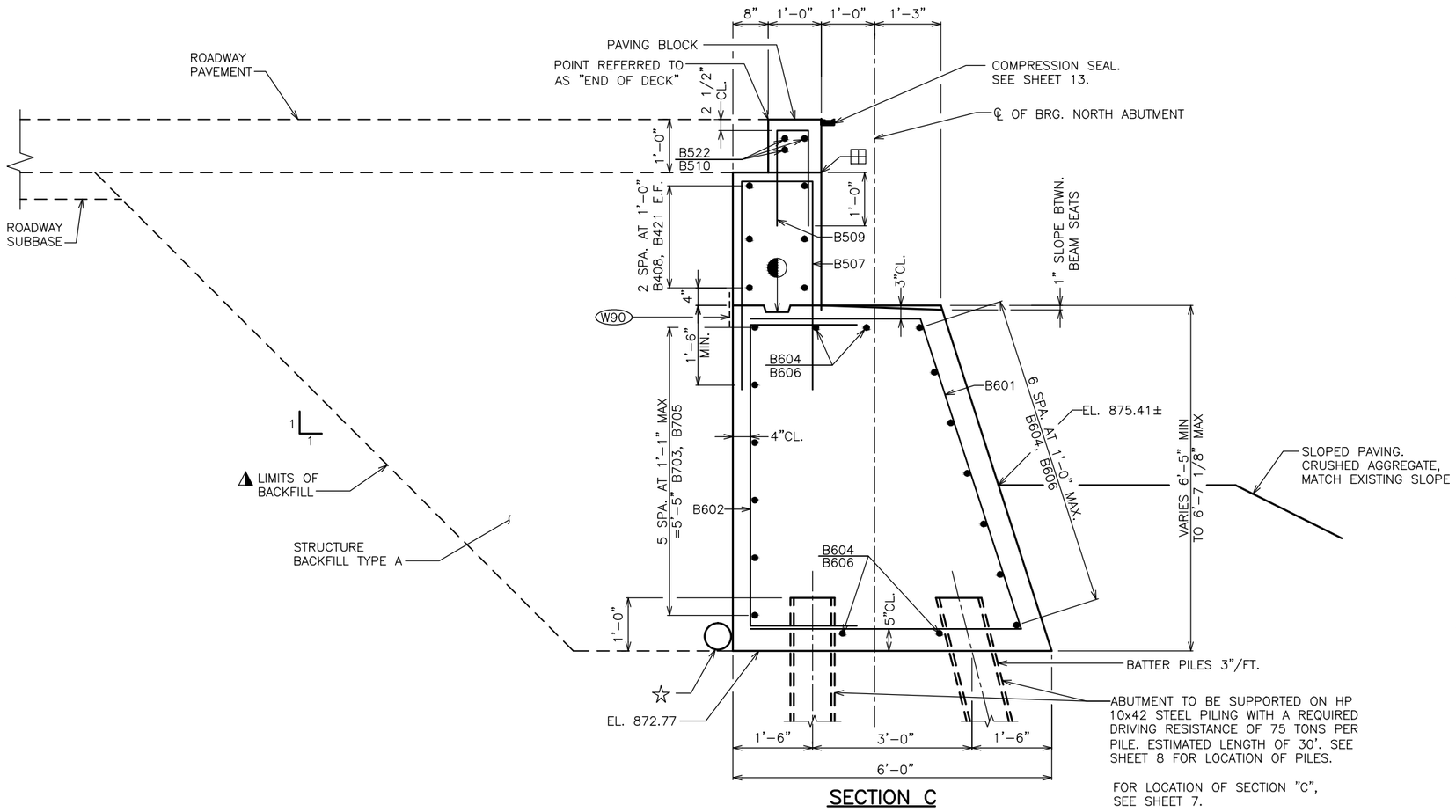
SHEET 8 OF 23

255

8

8

STATE PROJECT NUMBER
1007-10-84



SECTION C

FOR LOCATION OF SECTION "C", SEE SHEET 7.

WEIGHTS INCLUDE PARAPET STEEL SHOWN ON SHEET 22

COATED: 1,190 LBS
UNCOATED: 2,180 LBS

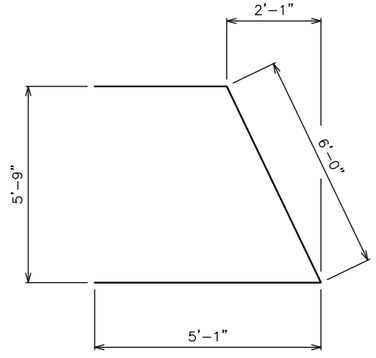
BILL OF BARS

FOR NORTH ABUTMENT

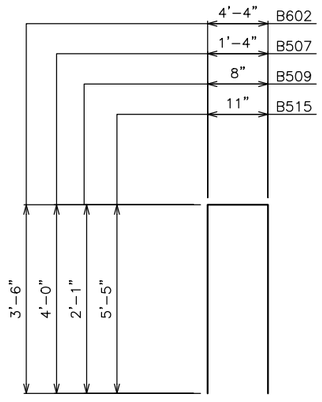
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B601		26	13-11	X		BODY VERT. F.F
B602		24	12-5	X		BODY VERT. B.F.
● B703		6	3-0			BODY DOWELS B.F.
● B604		11	2-6			BODY DOWELS
B705		6	21-1			BODY HORIZ. B.F.
B606		11	25-11			BODY HORIZ.
B507	X	21	9-3	X		BACKWALL VERT.
B408	X	6	21-2			BACKWALL HORIZ.
B509	X	21	4-0	X		BACKWALL AT PAVING BLOCK VERT.
B510	X	12	8-0			PAVING BLOCK HORIZ.
B511		14	17-10	X		WING 2 VERT
B512		5	9-7			WING 2 HORIZ. F.F.
B513		7	9-7			WING 2 HORIZ. B.F.
B614		3	9-7			WING 2 HORIZ.
B515	X	16	11-6	X		WING 2 VERT.
B416	X	4	12-11			WING 2 HORIZ. F.F.
B417	X	5	11-10			WING 2 HORIZ. B.F.
B618	X	1	12-11			WING 2 HORIZ. TOP F.F.
B619	X	1	11-10			WING 2 HORIZ. TOP B.F.
B520	X	2	3-9			BACKWALL VERT. AT WING 2 F.F.
● B421	X	6	3-2			BACKWALL DOWELS
● B522	X	3	4-0			PAVING BLOCK DOWELS

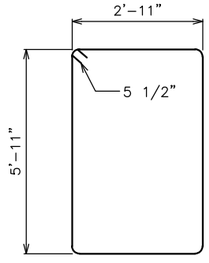
BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

ADHESIVE ANCHORS



B601





B511

☆ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT DISCHARGE END OF PIPE UNDERDRAIN AND CAP AT THE OTHER END. RODENT SHIELD TO BE INCLUDED IN BID PRICE OF "PIPE UNDERDRAIN WRAPPED 6-INCH". SEE SHEET 3.

(W90) 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT.

◐ OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

⊞ CONSTRUCTION JOINT – POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IN IS PLACE. STRIKE OFF AND LEVEL ROUGH.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-13-140" SHALL BE THE EXISTING GROUNDLINE.

◭ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

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.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

SEE SHEET 3 FOR PILE SPLICE DETAIL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY KGC | PLANS CHK'D JJH

NORTH ABUTMENT DETAILS

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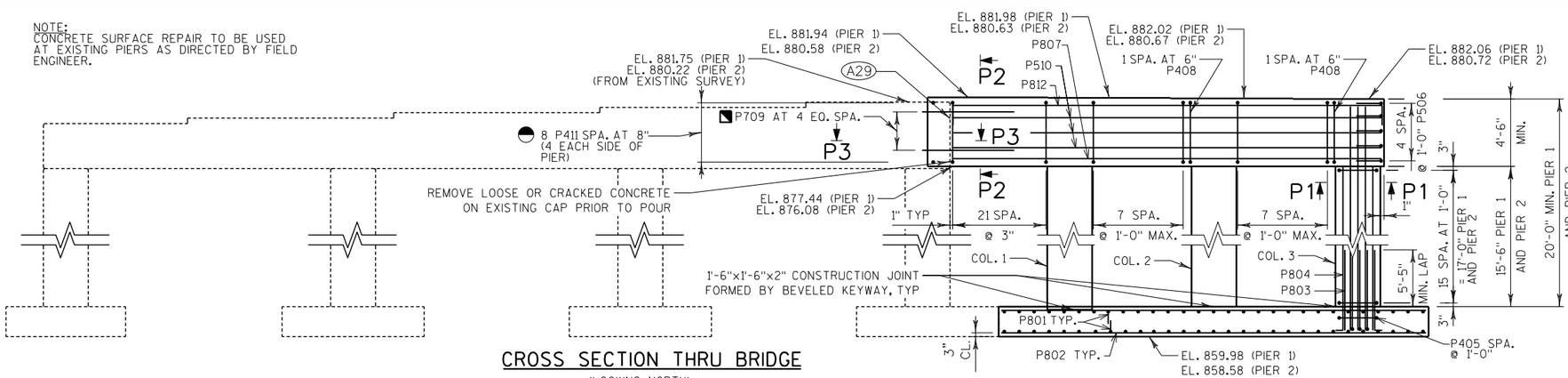
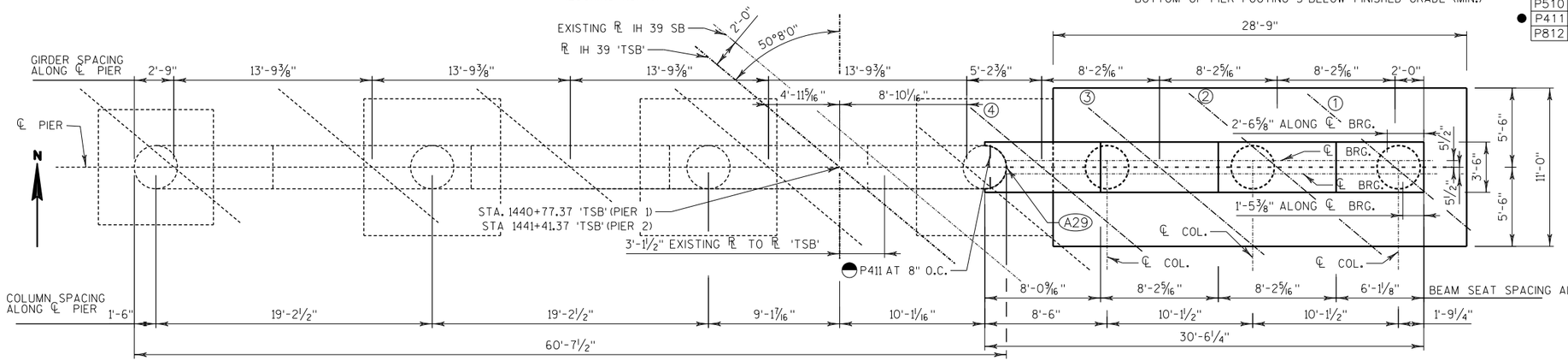
NOTE:
CONCRETE SURFACE REPAIR TO BE USED AT EXISTING PIERS AS DIRECTED BY FIELD ENGINEER.

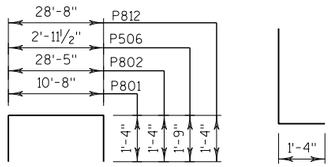


CROSS SECTION THRU BRIDGE

(LOOKING NORTH)



- ADHESIVE ANCHORS NO. 4 BAR, EMBED 10" MIN. INTO EXISTING CONCRETE.
- ADHESIVE ANCHORS NO. 7 BAR, EMBED 1'-6" MIN. INTO EXISTING CONCRETE.
- (A29) ROUGHEN SURFACE OF CONCRETE ¼" DEEP MINIMUM ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.
- AVOID DAMAGE TO EXISTING REINFORCEMENT. DAMAGED REINFORCEMENT WILL BE REPAIRED AT NO EXPENSE TO THE OWNER.
- ④ GIRDER NUMBER

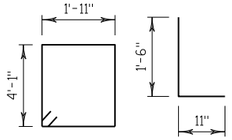


P801,P802,P506,P812

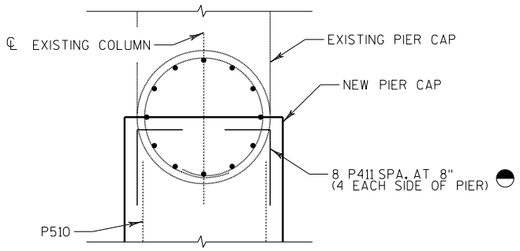
P803

PLAN

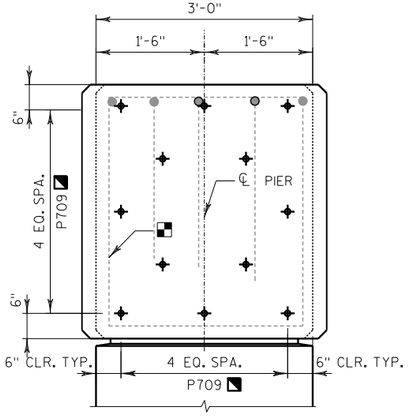
P405



P408 P411



SECTION P3



SECTION THRU CAP

SHOWING ADHESIVE ANCHOR SPACING

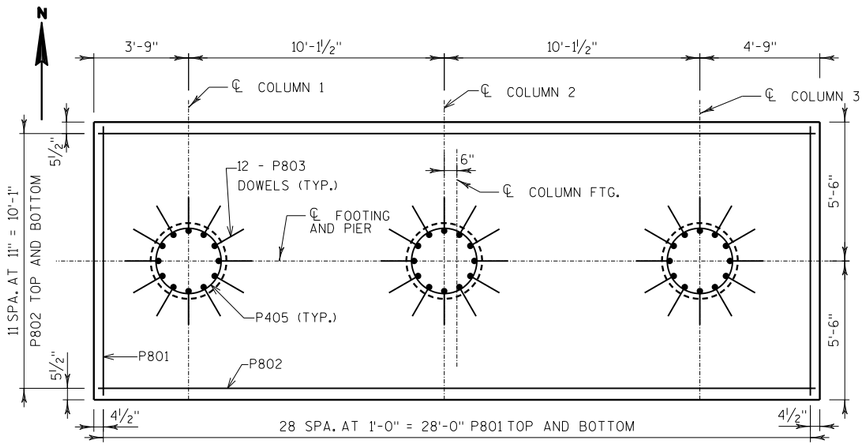
BILL OF BARS

BAR MARK	COAT	PIER 1 NO. REQ'D.	PIER 2 NO. REQ'D.	LENGTH	BENT BAR	BAR SERIES	LOCATION
P801		58	58	12–11	X		FOOTINGS TOP AND BOT.
P802		24	24	30–8	X		FOOTINGS TOP AND BOT.
P803	X	36	36	8–6	X		FOOTING DOWELS
P804	X	36	36	19–3			COLUMNS–VERT.
P405	X	51	51	9–9	X		COLUMN STIRRUPS
P506	X	5	5	6–3	X		CAP–NOSE BARS
P807	X	6	6	28–8			CAP–HORIZ. BOTTOM
P408	X	80	80	12–6	X		CAP–STIRRUPS
● P709	X	12	12	6–2			CAP–CONC. ADHESIVE ANCHORS
P510	X	6	6	30–2			CAP–SIDE
● P411	X	16	16	2-4	X		DOWELS–PIER CAP
P812	X	6	6	30–11	X		CAP–HORIZ. TOP

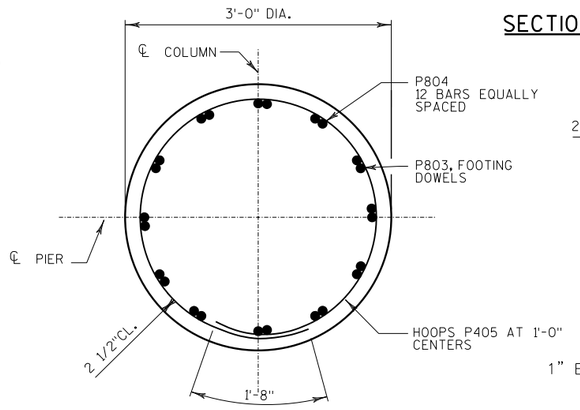
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

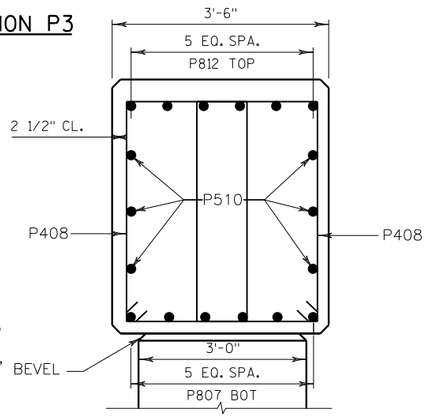
● ADHESIVE ANCHORS



FOOTING REINFORCEMENT PLAN



SECTION P1



SECTION P2

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY MDR | PLANS CK'D. AJC

PIER 1 AND 2

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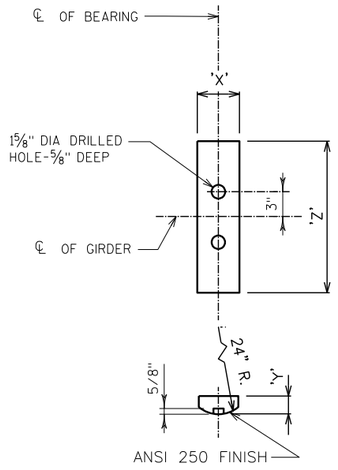
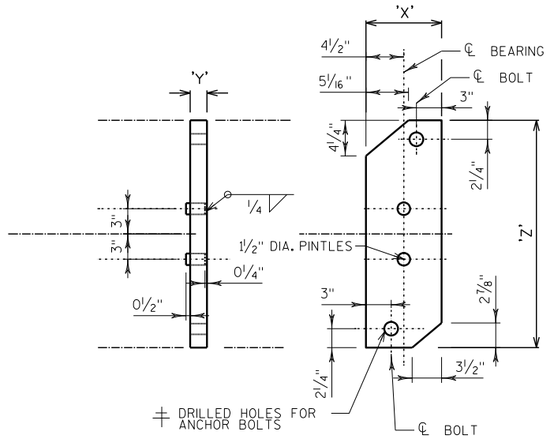


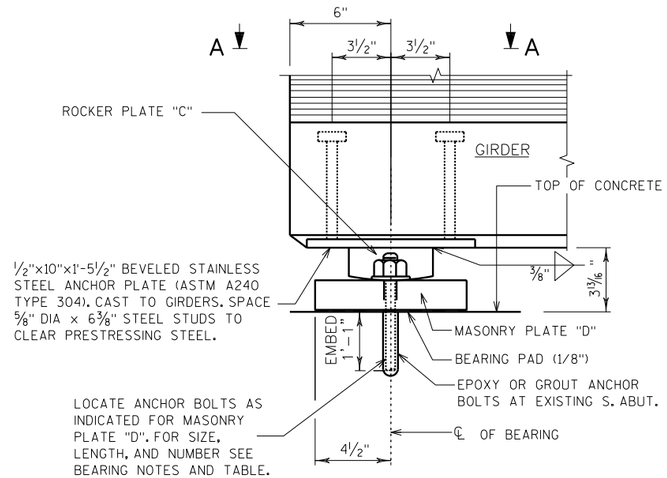
ROCKER PLATE "C"



TYPE I

MASONRY PLATE "D"

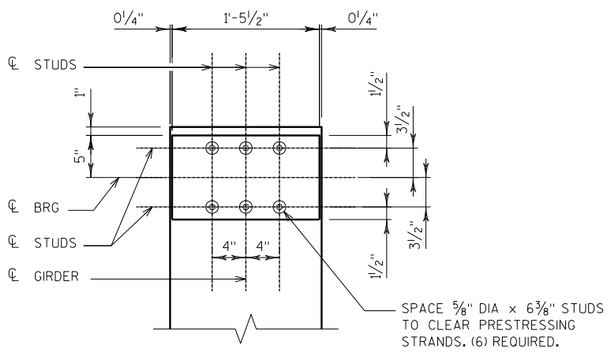
FIXED BEARING



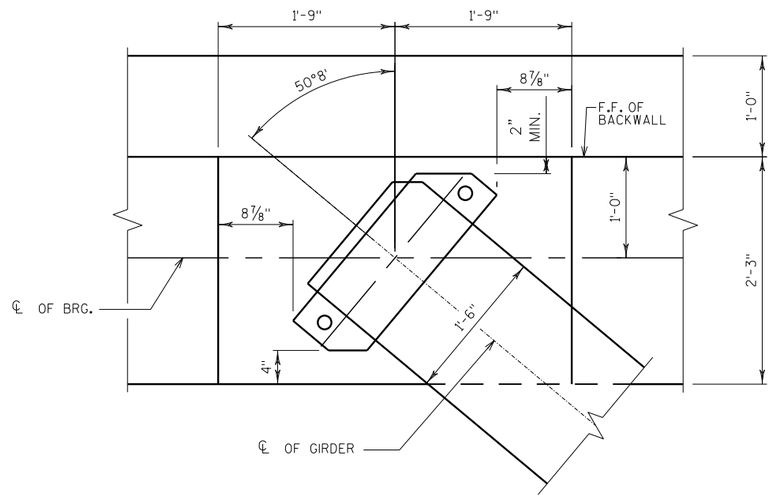
FIXED BEARING ASSEMBLY

NORTH ABUTMENT

	PLATE "C"			PLATE "D"			PLATE "D" TYPE	ANCHOR BOLT SIZE	NO. OF BRGS. REQ'D.	LOCATION
	'X'	'Y'	'Z'	'X'	'Y'	'Z'				
FIXED BEARING	5"	1⅝"	1'-6"	9"	1¾"	2'-3"	I	1¼"	4	NORTH ABUT.



SECTION A-A PLAN VIEW



STEEL FIXED BEARING AT NORTH ABUTMENT

STATE PROJECT NUMBER

1007-10-84

BEARING NOTES

ALL BEARINGS ARE SYMMETRICAL ABOUT ℄ OF GIRDER AND ℄ OF BEARING.

IN LIEU OF USING SHIM PLATES, FABRICATION MAY INCREASE THICKNESS OF MASONRY PLATE "D" BY THE SHIM PLATE THICKNESS.

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.

CHAMFER ANCHOR BOLTS PRIOR TO THREADING.

ANCHOR BOLTS SHALL BE THREADED 3". PROVIDE ONE STANDARD WROUGHT WASHER AND ONE HEX NUT PER BOLT. BOLT LENGTH TO BE 1'-5" FOR 1¼" BOLTS. PROJECT ANCHOR BOLTS, MASONRY PLATE "D" THICKNESS +2¼", ABOVE TOP OF CONCRETE.

FOR GIRDER #1, DRILL ANCHOR INTO EXISTING ABUTMENT.

CHAMFER TOP OF PINTLES⅛". DRILL HOLES FOR ALL PINTLES IN MASONRY PLATE "D" FOR A DRIVING FIT.

ALL MATERIAL IN BEARINGS, INCLUDING SHIM PLATES, BUT EXCLUDING ANCHOR BOLTS, PINTLES, NUTS AND WASHERS SHALL CONFORM TO ASTM A709 GRADE 50W.

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.

PROVIDE⅛" THICK BEARING PAD THE SAME SIZE AS MASONRY PLATE "D" FOR EACH BEARING.

ALL MATERIAL IN BEARINGS, INCLUDING SHIM PLATES AND BEARING PADS, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "BEARING ASSEMBLIES FIXED B-13-140", EACH.

ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153, CLASS C.

ROCKER PLATE "C" SHALL BE SHOP PAINTED WITH A WELDABLE PRIMER.

MASONRY PLATE "D" SHALL BE GALVANIZED.

⏋ DRILLED HOLES FOR ANCHOR BOLTS IN MASONRY PLATE "D" SHALL HAVE A DIAMETER⅜" LARGER THAN ANCHOR BOLT.

F.F. DENOTES FRONT FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY MDR | PLANS CK'D. AJC

FIXED STEEL BEARING DETAILS

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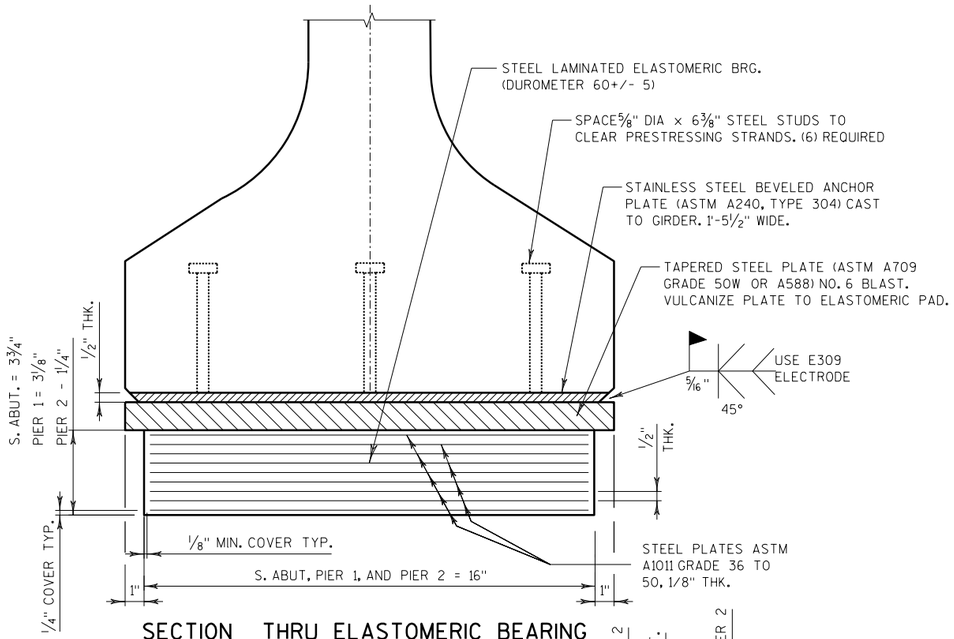
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\09 STRUCTURES\B-13-140\Plan\080111_fb2.dgn

PLOT DATE : 1/30/2017

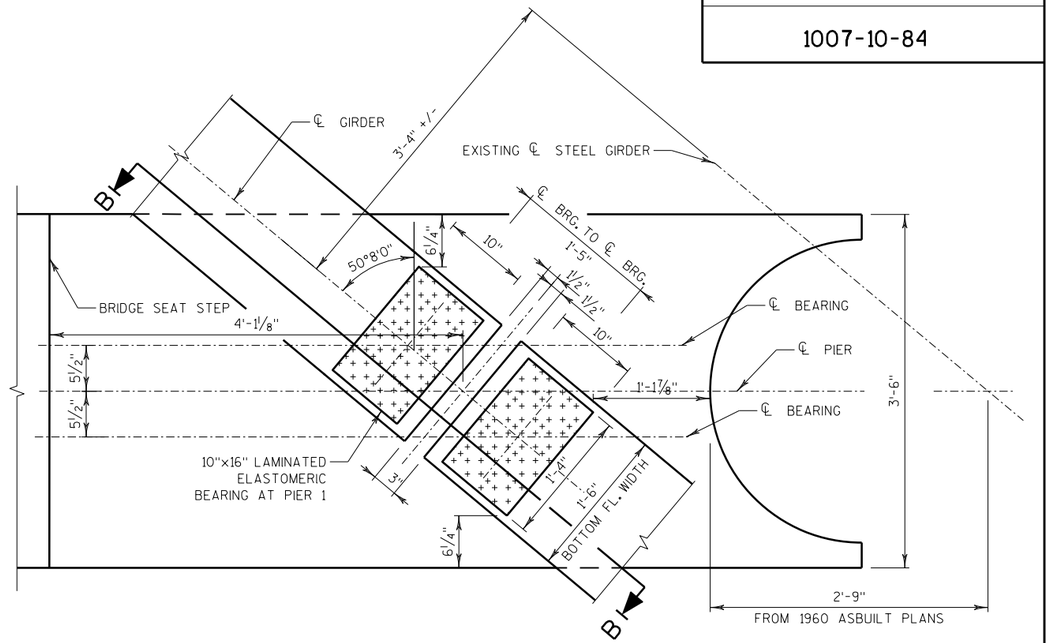
PLOT BY : mdr

STATE PROJECT NUMBER

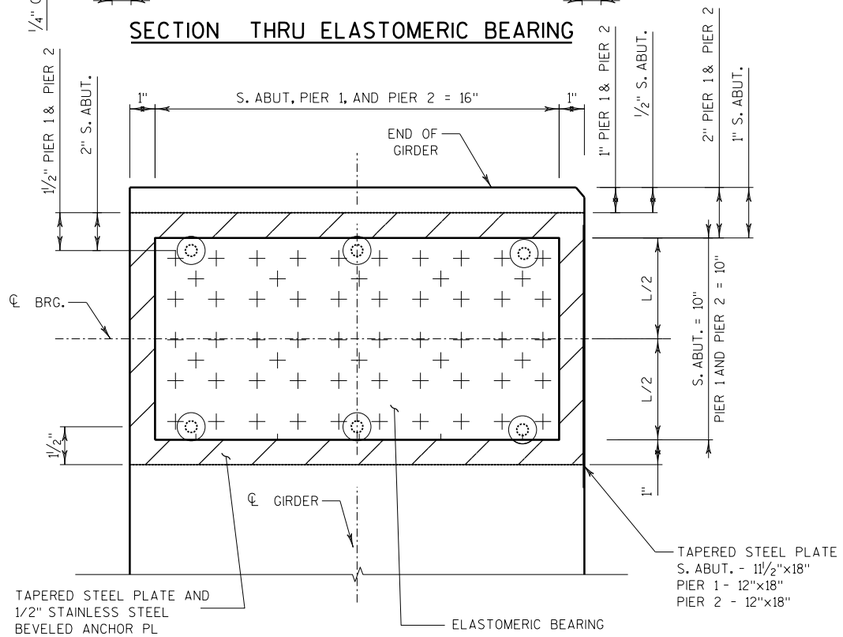
1007-10-84



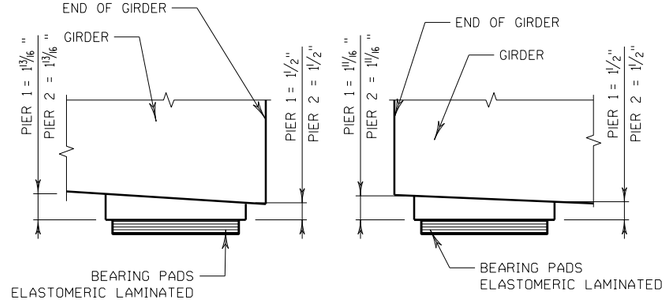
SECTION THRU ELASTOMERIC BEARING



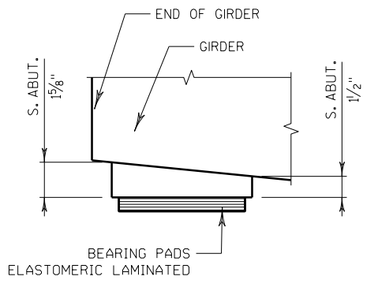
LAMINATED ELASTOMERIC EXP. BRG. AT PIER 1 & PIER 2



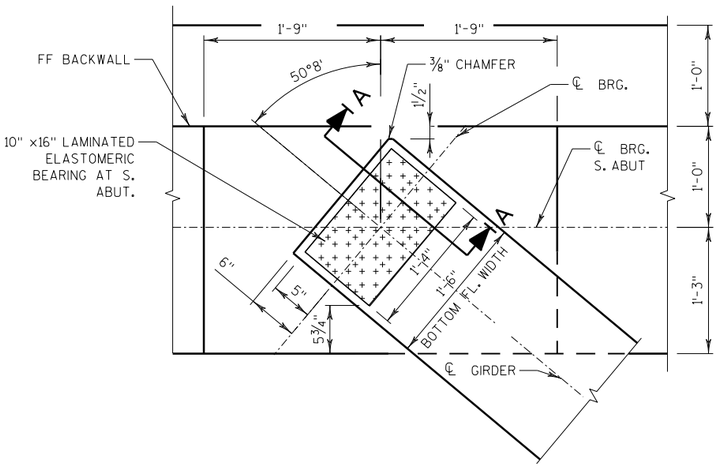
PLAN VIEW



SECTION B



SECTION A



LAMINATED ELASTOMERIC EXP. BRG. AT SKEWED SOUTH ABUTMENT

BEARING 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

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY MDR | PLANS CK'D. AJC

LAMINATED ELASTOMERIC BEARINGS

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FILE NAME : P:\47xx\4739.39_DP.I39.DAN\09 STRUCTURES\B-13-140\Plan\080112_eb2.dgn

PLOT DATE : 1/30/2017

PLOT BY : mdr

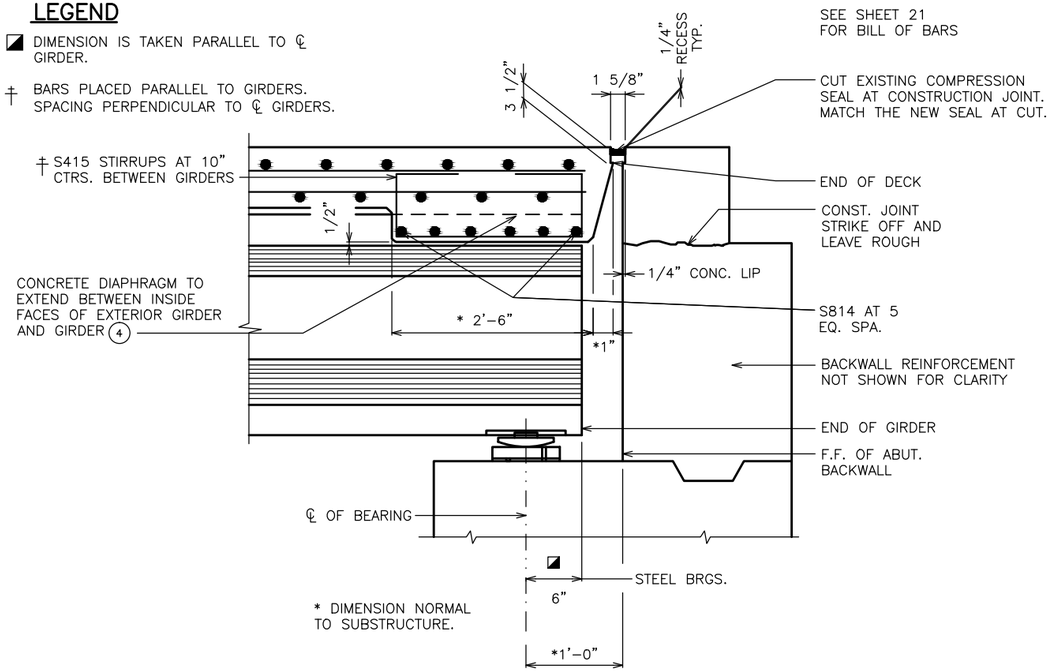
STATE PROJECT NUMBER

1007-10-84

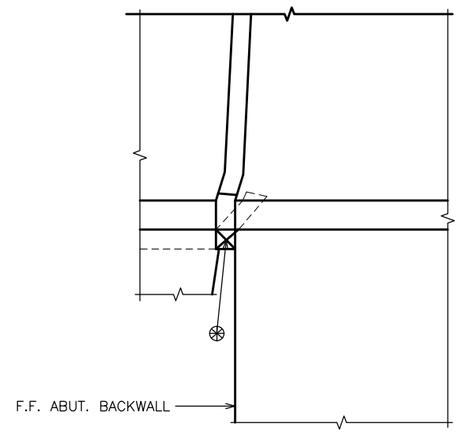
LEGEND

◪ DIMENSION IS TAKEN PARALLEL TO ℄ GIRDER.

‡ BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO ℄ GIRDERS.



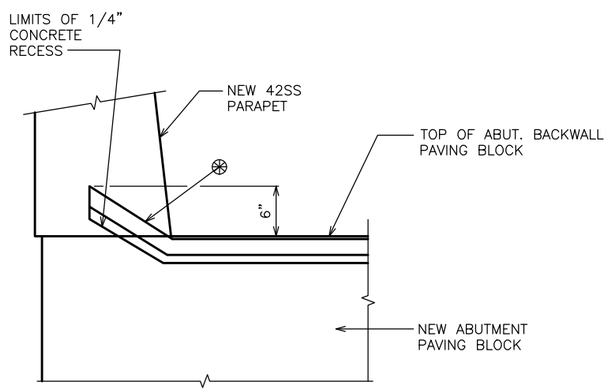
TYP. SECTION COMPRESSION SEAL



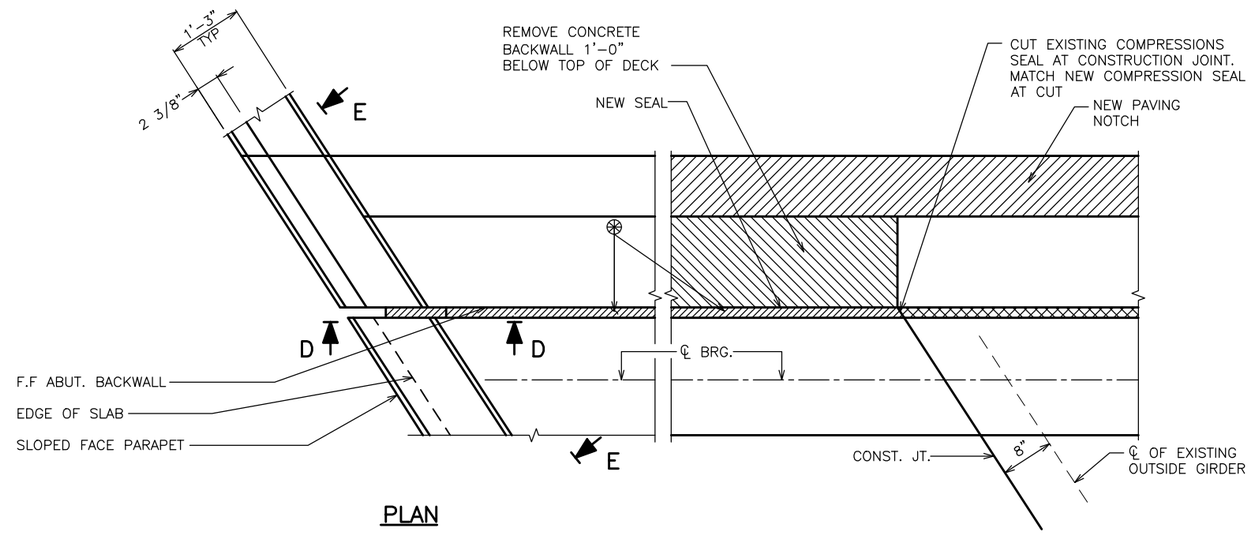
SECTION E-E

⊛ 2 1/2" NEOPRENE COMPRESSION SEAL. NO SPLICING PERMITTED. CAP ENDS OF NEOPRENE SEAL. (VERT. FACES OF JOINT OPENING SHALL BE VERT AND PARALLEL TO WITHIN 1/16" IN EVERY 10'-0") MANUF. TO FURNISH SEAL WITH TOP SURFACE LABELED.

F.F. DENOTES FRONT FACE



SECTION D



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY KGC | PLANS CHK'D JJH

COMPRESSION SEAL JOINT DETAILS AT NORTH ABUTMENT

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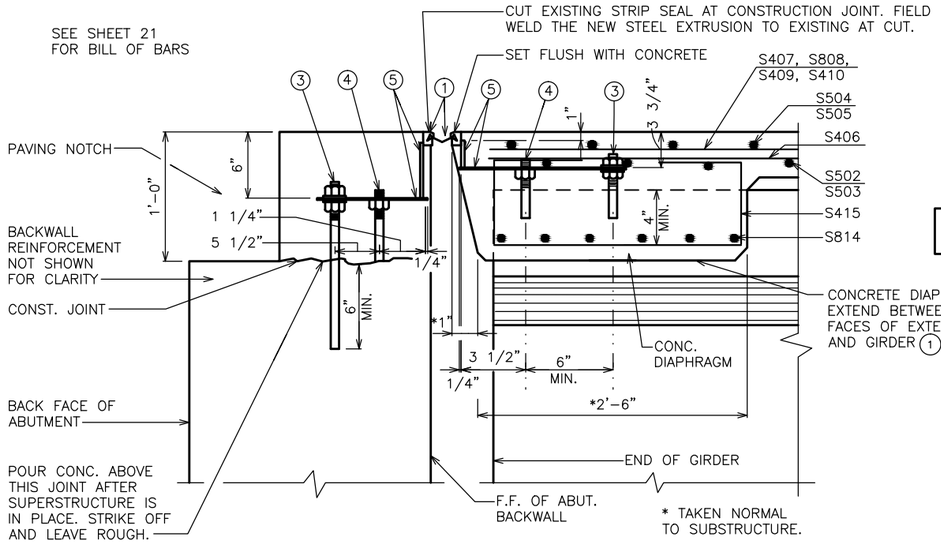
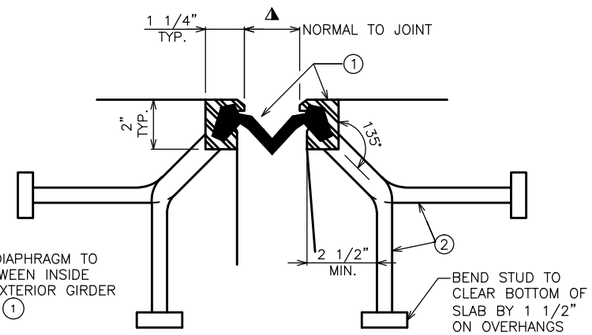


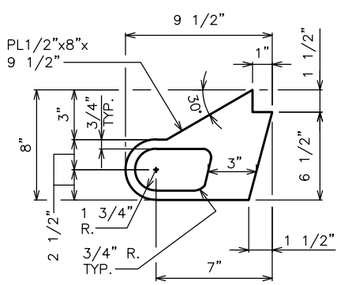
TYPICAL SECTION THRU JOINT AT PRECAST GIRDER

NORMAL TO ℄ SUBSTRUCTURE

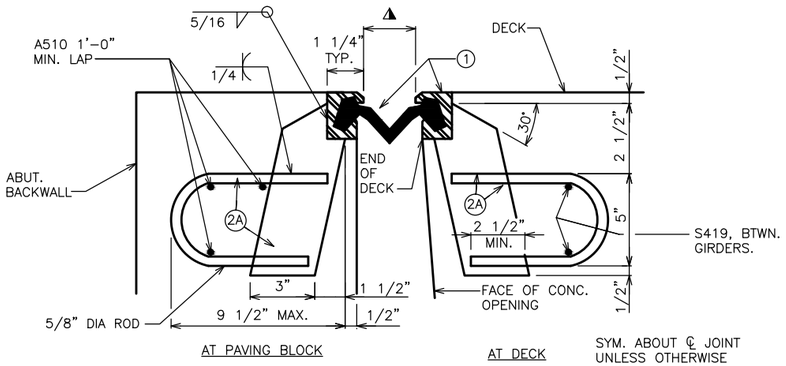


SECTION THRU JOINT

EXTERIOR GIRDER TO EDGE OF DECK, AND AT PARAPETS, AND BETWEEN GIRDER (1) AND CONSTRUCTION JOINT

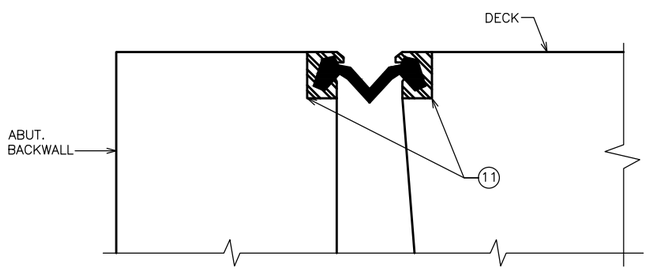


ALTERNATE STRIP SEAL ANCHOR

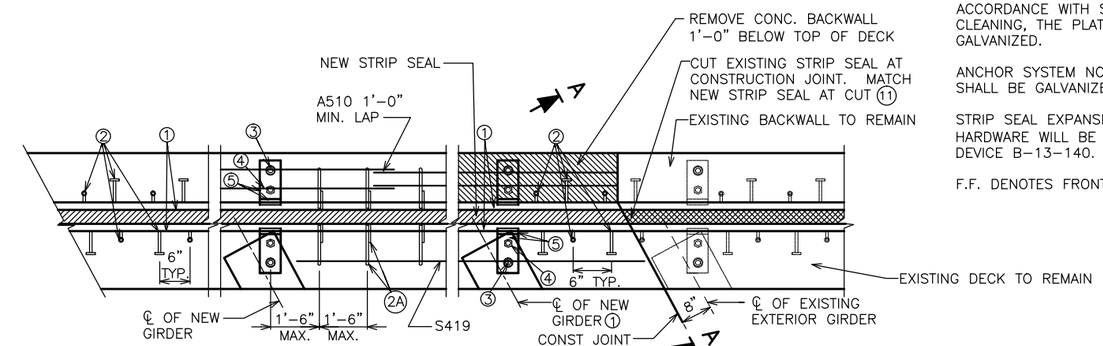


SECTION THRU JOINT

ROADWAY TRAFFIC AREA BETWEEN GIRDERS (1) AND (4)



SECTION A–A



STRIP SEAL AT NEW OVERHANG

STRIP SEAL BETWEEN NEW GIRDERS

STRIP SEAL BETWEEN NEW AND EXISITNG GIRDERS

PARTIAL PLAN

SEE SHEET 15 FOR DETAILS OF STRIP SEAL AT PARAPET

LEGEND

▲ (1) NEOPRENE STRIP SEAL (4–INCH) AND STEEL EXTRUSIONS. SET JOINT OPENING AT 1 3/4"±. MATCH EXISTING OPENING AT TIME OF PLACEMENT.

(2) STUDS 5/8" DIA x 6 3/8" LONG AT 6" ALTERNATE CENTERS. WELD EXTRUSIONS AND BEND AS SHOWN AFTER WELDING.

(2A) 1/2" THICK ANCHOR PLATE WITH 5/8" 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) 3/4" DIA THREADED ROD WITH 2 NUTS AND PLATE WASHERS. GROUT THREADED ROD INTO FIELD DRILLED HOLES ON ℄ OF GIRDER. ON ABUTMENT SIDE, GROUT THREADED ROD INTO FIELD DRILLED HOLES IN ABUTMENT BACK WALL AS SHOWN.

(4) 3/4" DIA THREADED ROD WITH NUT. TACK WELD NUT TO NO. 5.

(5) FABRICATE SUPPORT FROM 3"x1/2" BAR AS SHOWN OR EQUIVALENT. ONE PER GIRDER PER SIDE. SHOP OR FIELD WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY–COATING MATERIAL. PROVIDE 1 1/2" DIA HOLE FOR NO. 3 AND 1" DIA HOLE FOR NO. 4.

(6) GALVANIZED PLATE 3/8"x10"x2'–2" LONG WITH HOLES FOR NO. 7.

(7) 3/4" DIA x 1 1/2" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI–SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLE. RECESS 1/16" BELOW PLATE SURFACE.

(8) 3/4" DIA x 4" GALVANIZED HEX HEAD BOLT. BEND 45°.

(9) 3/4" DIA x 2 1/4" GALVANIZED THREADED COUPLING.

(10) 1" x 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7. PLACE SLOT PARALLEL TO DIRECTION OF MOVEMENT.

(11) FIELD WELD TOP AND VERTICAL FACES OF EXISTING STEEL EXTRUSION TO NEW EXPANSION JOINT. GRIND OFF GALVANIZING FIELD WELD AND FIELD APPLY COLD GALVANIZE TREATMENT. SEAL JOINT BETWEEN RUBBER ELEMENTS WITH AN APPROVED JOINT SEALER. COST IS INCLUDED IN BID ITEM EXPANSION DEVICE B–13–140.

NOTES

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS, UNLESS MORE ARE REQUIRED FOR STAGED CONSTRUCTION, 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 AND SWEEP.

FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN AND SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES, SUPPORTS AND EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PLATES, SUPPORTS AND EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

ANCHOR SYSTEM NO. 8 AND NO. 9 SHALL CONFORM TO ASTM A307 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153 CLASS C AND D.

STRIP SEAL EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE WILL BE PAID FOR AT THE LUMP SUM PRICE BID FOR "EXPANSION DEVICE B–13–140.

F.F. DENOTES FRONT FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–140

DRAWN BY KGC | PLANS CHK'D JJH

STRIP SEAL EXPANSION JOINT DETAILS AT SOUTH ABUTMENT

SHEET 14 OF 23

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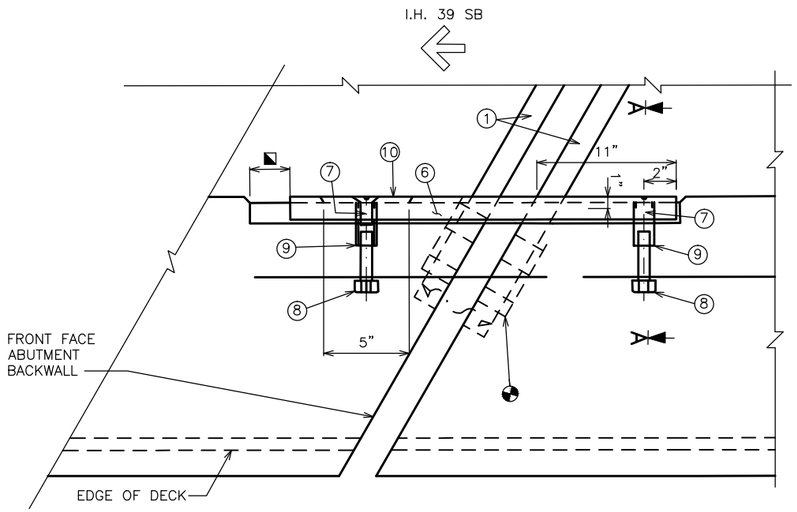
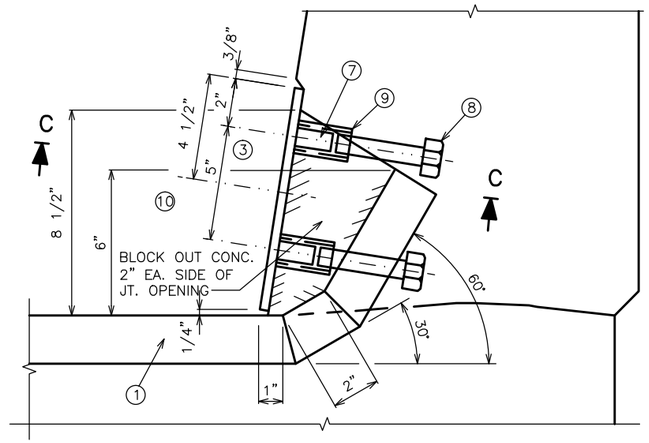
STATE PROJECT NUMBER

1007-10-84



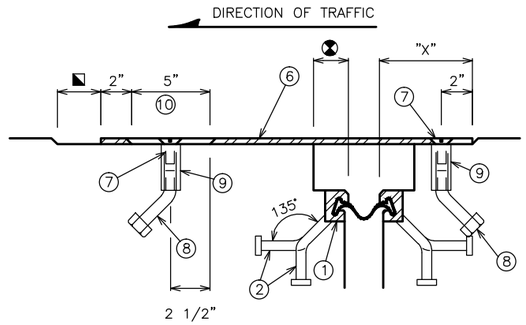
PLAN AT PARAPET

SINGLE SLOPE PARAPET

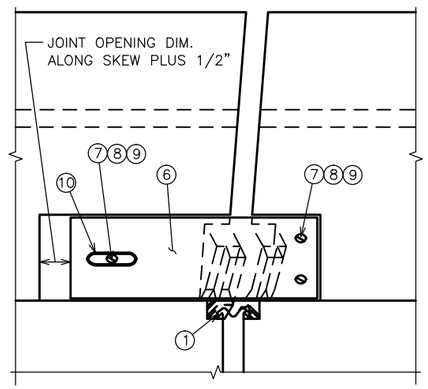


SECTION A-A

SINGLE SLOPE PARAPET



SECTION C-C



VIEW OF PARAPET PLATES FROM ROADWAY

SINGLE SLOPE PARAPET

⊠ BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING

◪ JOINT OPENING DIM. ALONG SKEW PLUS 1/2"

* SEE SHEET 14 FOR LEGEND AND NOTES

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NO.	DATE	REVISION	BY

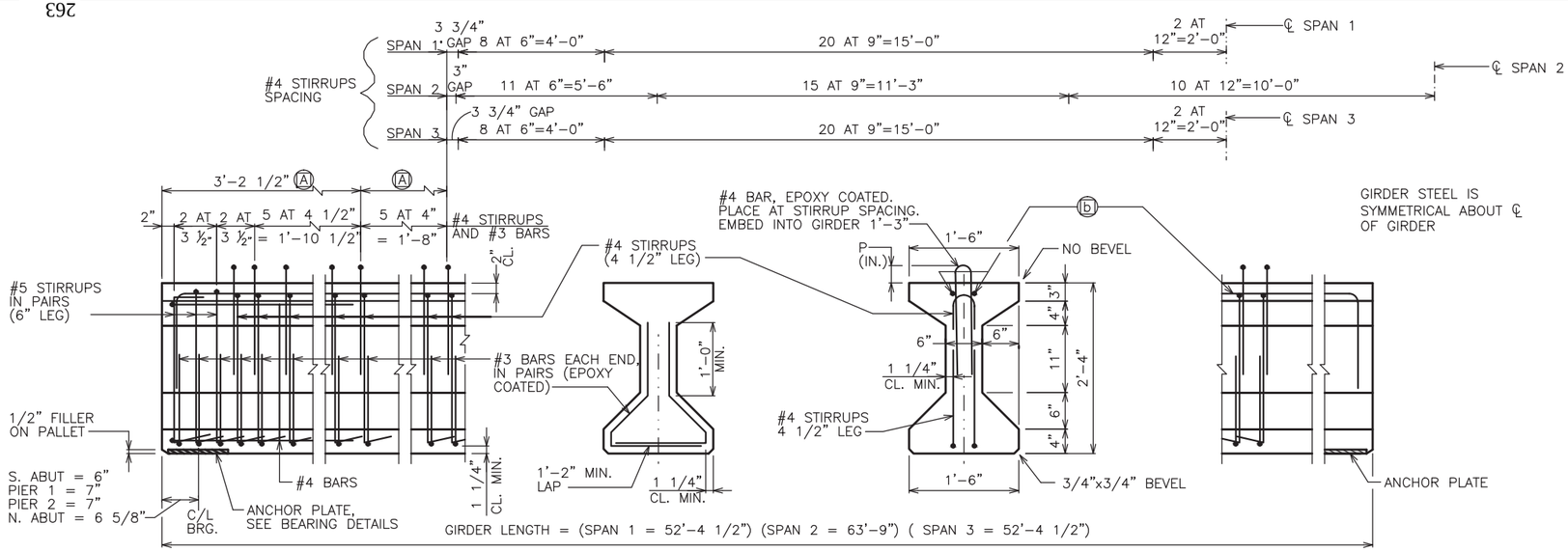
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY KGC | PLANS CHK'D JJH

STRIP SEAL EXPANSION JOINT DETAILS AT SOUTH ABUTMENT

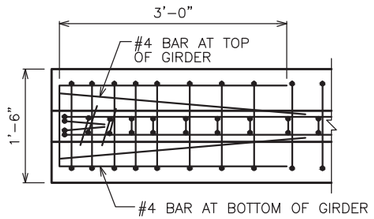
STATE PROJECT NUMBER
1007-10-84



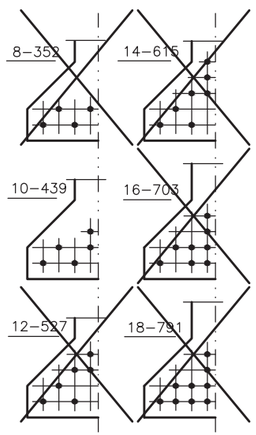
SIDE VIEW & TYPICAL SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ (2) #4 BARS BEND DOWN 16 BAR DIA. AT ENDS

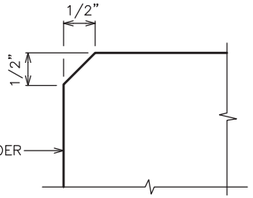


TOP VIEW OF GIRDER ENDS

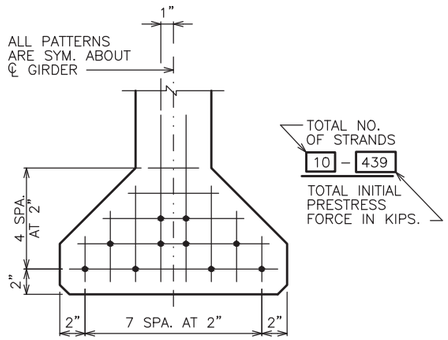


UNDRAPED PATTERN

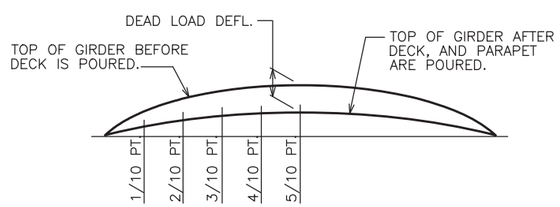
0.6"| STRANDS



FORMED OUT CORNERS AT ABUTMENTS



TYP. STRAND PATTERN



DEAD LOAD DEFLECTION DIAGRAM

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 2" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 2" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER 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 A497 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

28" PRESTRESSED GIRDERS, CONCRETE MASONRY F'C = 6,800 PSI RELEASE

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

BEND EACH END OF #4 STIRRUPS 4 1/2" AND #5 STIRRUPS 6".

FOR DIAPHRAGM INSERT AND CONNECTION DETAILS SEE SHEET 17.

2 3/4" AVERAGE HAUNCH HEIGHT WAS USED FOR CONCRETE MASONRY QUANTITY COMPS. HAUNCH HEIGHT VARIES DUE TO RESIDUAL CAMBER. 1 1/4" MIN HAUNCH IS PERMITTED.

MINIMUM THEORETICAL HAUNCH OF GIRDER 1 AT ℄ OF SPAN 1 AND 3 ARE 1 7/8" AND 1 3/4" BASED ON EXISTING SURVEYED BEAM SEAT ELEVATIONS OF NORTH AND SOUTH ABUTMENTS.

* 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 3/4
2	2 1/8
3	1 3/4

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.
THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

*MINIMUM CYLINDER STRENGTH OF CONCRETE AT 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	1,2,3,4	52'-4 1/2"	SEE DEFLECTION TABLE ON SHEET 18									8,000	7	6 1/4	6	.6							10	6,800
2	1,2,3,4	63'-9"										8,000	7	6 1/4	6	.6							10	6,800
3	1,2,3,4	52'-4 1/2"										8,000	7	6 1/4	6	.6							10	6,800

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY KGC | PLANS CHK'D JJH

28" PRESTRESSED GIRDER DETAILS

SHEET 16 OF 23

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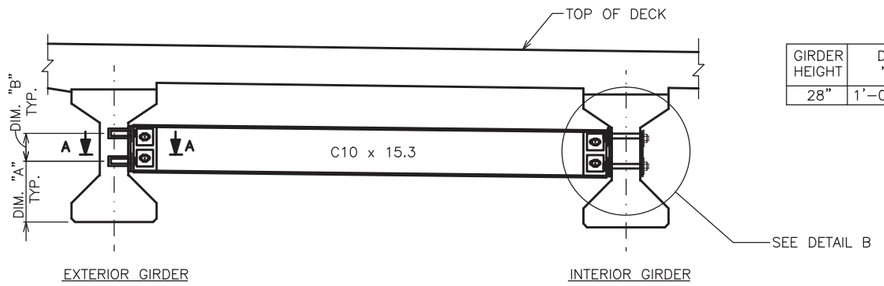
STATE PROJECT NUMBER

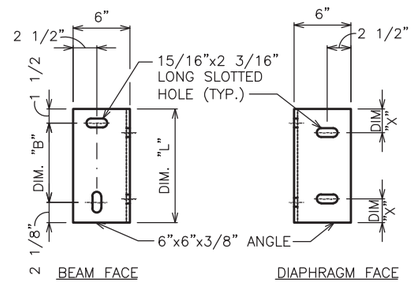
1007-10-84



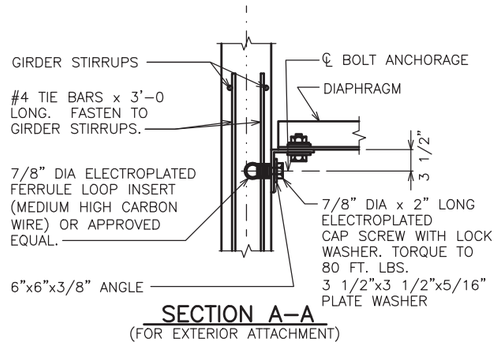
TABLE

GIRDER HEIGHT	DIM. "A"	DIM. "B"	DIM. "L"	* DIM. "X"
28"	1'-0 7/8"	5 7/8"	9 1/2"	2 1/4"

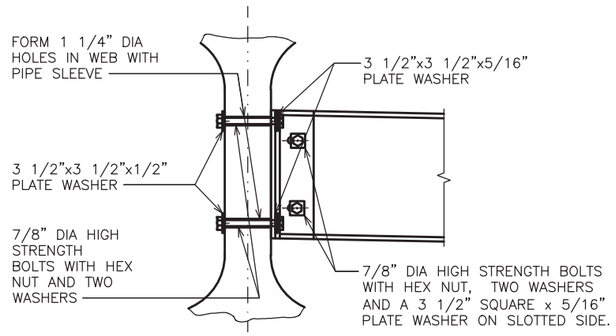
PART TRANSVERSE SECTION AT DIAPHRAGM



DIAPHRAGM SUPPORT

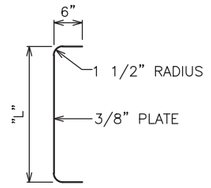


SECTION A-A
(FOR EXTERIOR ATTACHMENT)



DETAIL B

SECTION AT INTERIOR GIRDERS THRU DIAPHRAGM



SECTION THRU ALTERNATE DIAPHRAGM

*DIM "X" = 2 1/2" FOR ALTERNATE PLATE DIAPHRAGM

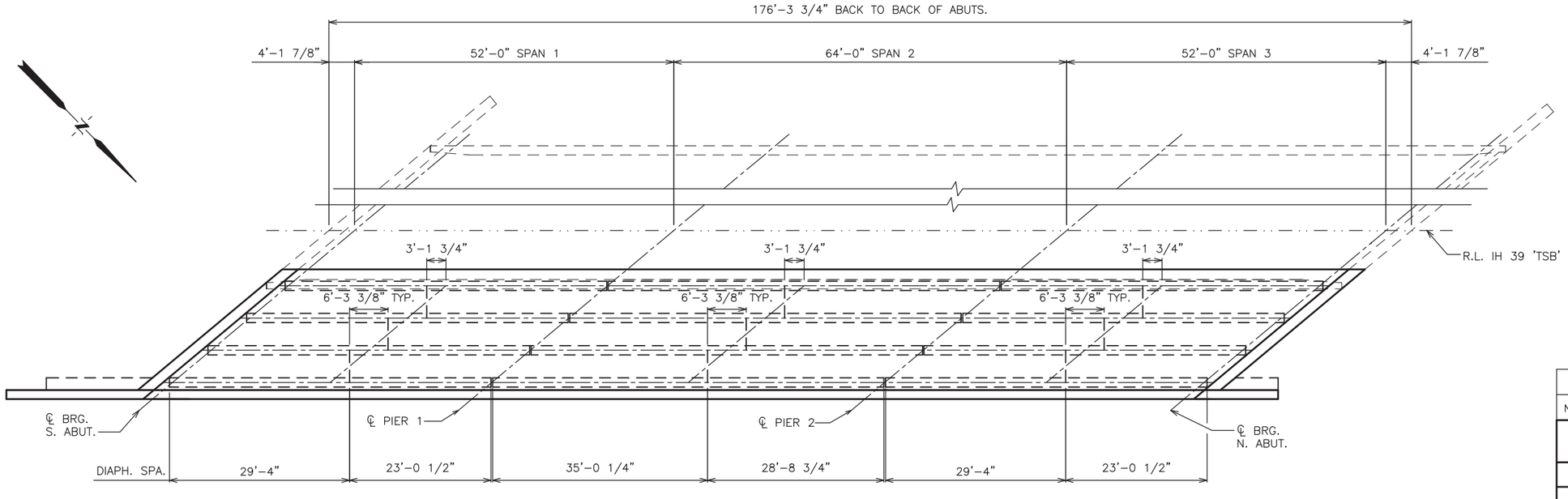
NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-140, EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36. ALL BOLTS, NUTS AND WASHERS SHALL BE ASTM A325 TYPE 1.

ALL DIAPHRAGM STRUCTURAL STEEL SHOWN SHALL BE HOT-DIPPED GALVANIZED. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C. GALVANIZED NUTS SHALL BE TAPPED OVERSIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A563 AND SHALL MEET THE REQUIREMENTS OF SUPPLEMENTARY REQUIREMENT S1 OF ASTM A563, LUBRICANT AND TEST FOR COATED NUTS.



PLAN
SHOWING DIAPH. SPACING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY KGC | PLANS CHK'D JJH

STEEL DIAPHRAGM DETAILS

SHEET 17 OF 23

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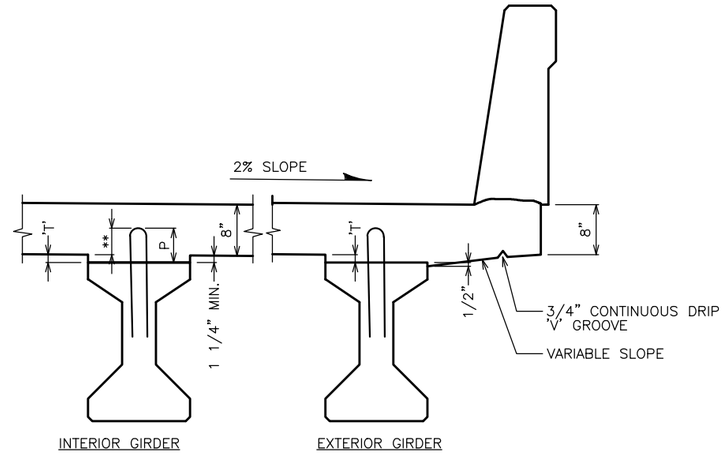
STATE PROJECT NUMBER
1007–10–84

TOP OF DECK ELEVATIONS (FEET)

SPAN	DESCRIPTION	C/L BRG. S. ABUT.	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L PIER 1
1	SURVEY PGL	886.75	886.64	886.52	886.41	886.29	886.18	886.06	885.94	885.83	885.71	885.59
1	NEW GIRDER 4	886.77	886.66	886.54	886.43	886.31	886.20	886.09	885.97	885.85	885.73	885.61
1	NEW GIRDER 3	886.80	886.69	886.58	886.46	886.35	886.23	886.12	886.01	885.89	885.77	885.65
1	NEW GIRDER 2	886.84	886.72	886.61	886.49	886.38	886.27	886.15	886.04	885.92	885.81	885.69
1	NEW GIRDER 1	886.87	886.76	886.64	886.53	886.41	886.30	886.19	886.07	885.96	885.84	885.73
1	EAST EDGE OF DECK	886.88	886.77	886.66	886.54	886.43	886.31	886.20	886.09	885.97	885.86	885.74
SPAN	DESCRIPTION	C/L PIER 1	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L PIER 2
2	SURVEY PGL	885.59	885.44	885.29	885.14	884.99	884.84	884.68	884.53	884.37	884.22	884.06
2	NEW GIRDER 4	885.61	885.47	885.32	885.17	885.02	884.87	884.71	884.56	884.40	884.25	884.09
2	NEW GIRDER 3	885.65	885.51	885.36	885.21	885.06	884.91	884.76	884.61	884.45	884.29	884.14
2	NEW GIRDER 2	885.69	885.54	885.40	885.25	885.10	884.95	884.80	884.65	884.50	884.34	884.19
2	NEW GIRDER 1	885.73	885.58	885.44	885.29	885.14	884.99	884.84	884.69	884.54	884.39	884.24
2	EAST EDGE OF DECK	885.74	885.60	885.45	885.31	885.16	885.01	884.86	884.71	884.56	884.41	884.26
SPAN	DESCRIPTION	C/L PIER 2	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L BRG. N. ABUT.
3	SURVEY PGL	884.06	883.93	883.80	883.67	883.54	883.41	883.28	883.14	883.01	882.87	882.74
3	NEW GIRDER 4	884.09	883.96	883.83	883.70	883.57	883.44	883.31	883.18	883.04	882.91	882.78
3	NEW GIRDER 3	884.14	884.01	883.89	883.76	883.63	883.50	883.37	883.23	883.10	882.97	882.83
3	NEW GIRDER 2	884.19	884.06	883.93	883.81	883.68	883.55	883.42	883.29	883.16	883.02	882.89
3	NEW GIRDER 1	884.24	884.11	883.98	883.86	883.73	883.60	883.47	883.34	883.21	883.08	882.95
3	EAST EDGE OF DECK	884.26	884.13	884.00	883.88	883.75	883.62	883.49	883.36	883.23	883.10	882.97



CONCRETE HAUNCH DETAIL

** NOTIFY THE STRUCTURES SECTION IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T': AFTER ALL PRESTRESSED GIRDERS HAVE BEEN ERECTED, ELEVATIONS OF TOP OF GIRDER SHALL BE TAKEN AT CENTERLINE OF BEARINGS AND AT TENTH POINTS OF EACH SPAN.

TOP OF DECK ELEVATION AT FINAL GRADE
−TOP OF GIRDER ELEVATION AFTER PLACEMENT
+CONCRETE ONLY DEFLECTION: DOWNWARD DEFLECTION IS ADDED. UPWARD DEFLECTION IS SUBTRACTED
−SLAB THICKNESS (8")
=HAUNCH THICKNESS 'T'

TABLE OF THEORETICAL CONCRETE ONLY DEAD LOAD DEFLECTIONS (INCHES)

SPAN	DESCRIPTION	C/L BRG. S. ABUT.	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L PIER 1
1	NEW GIRDER 1	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.3	0.2	0.1	0.0
1	NEW GIRDER 2	0.0	0.1	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.1	0.0
1	NEW GIRDER 3	0.0	0.1	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.1	0.0
1	NEW GIRDER 4	0.0	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.2	0.0
SPAN	DESCRIPTION	C/L PIER 1	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L PIER 2
2	NEW GIRDER 1	0.0	0.3	0.5	0.7	0.9	0.9	0.9	0.7	0.5	0.3	0.0
2	NEW GIRDER 2	0.0	0.3	0.6	0.9	1.0	1.1	1.0	0.9	0.6	0.3	0.0
2	NEW GIRDER 3	0.0	0.3	0.6	0.9	1.0	1.1	1.0	0.9	0.6	0.3	0.0
2	NEW GIRDER 4	1.0	0.3	0.7	0.9	1.1	1.2	1.1	0.9	0.7	0.3	0.0
SPAN	DESCRIPTION	C/L PIER 2	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L BRG. N. ABUT.
3	NEW GIRDER 1	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.3	0.2	0.1	0.0
3	NEW GIRDER 2	0.0	0.1	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.1	0.0
3	NEW GIRDER 3	0.0	0.1	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.1	0.0
3	NEW GIRDER 4	0.0	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.2	0.0

NOTE: DEFLECTIONS ARE THEORETICAL AND MAY VARY IN THE FIELD.
THEORETICAL CONCRETE ONLY DEAD LOAD DEFLECTION = DECK AND HAUNCH DL DEF. + DIAPHRAGM DL DEF. + COMPOSITE DL DEF.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

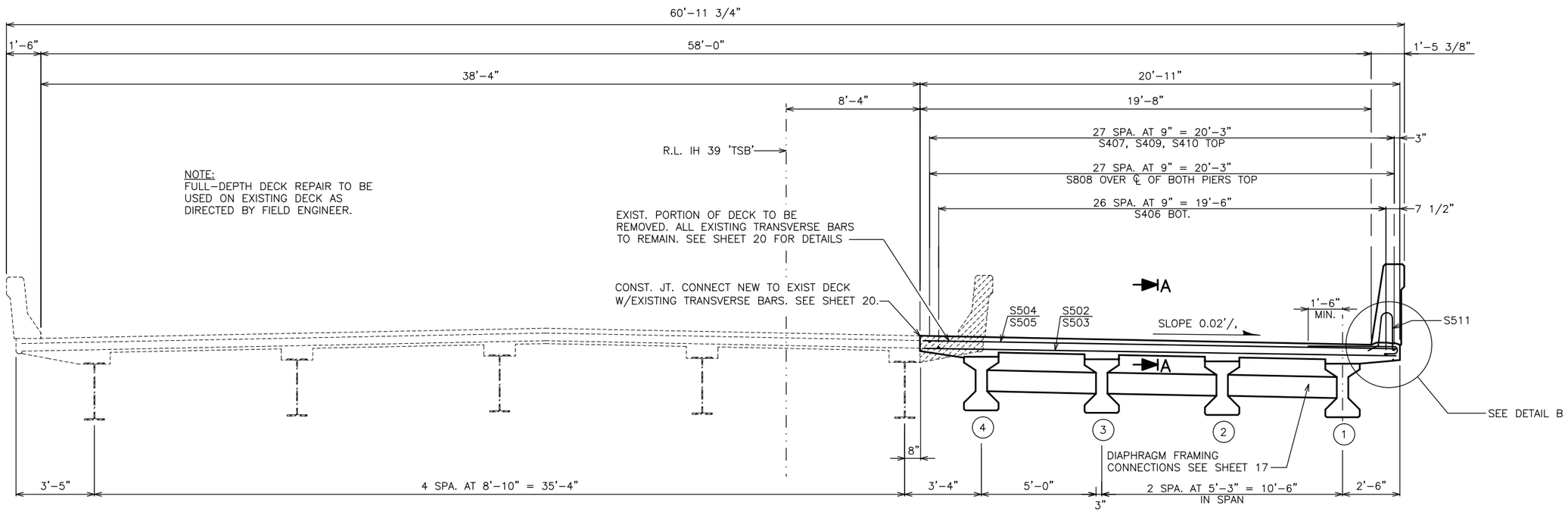
STRUCTURE B–13–140

DRAWN BY KGC | PLANS CHK'D JJH

DECK ELEVATIONS AND TABLE OF DEFLECTIONS

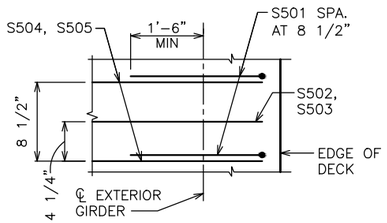
SHEET 18 OF 23

STATE PROJECT NUMBER
1007–10–84

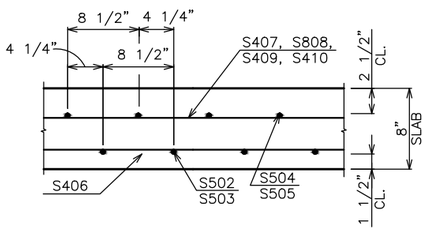


TYPICAL CROSS SECTION THRU DECK

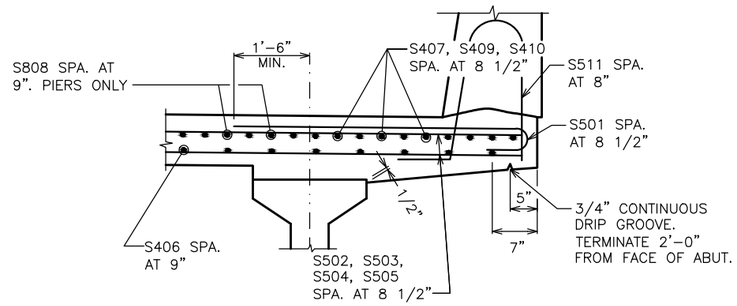
LOOKING NORTH



PLAN VIEW OF ADDITIONAL OVERHANG REINFORCEMENT DETAIL



SECTION A



DETAIL B

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–140

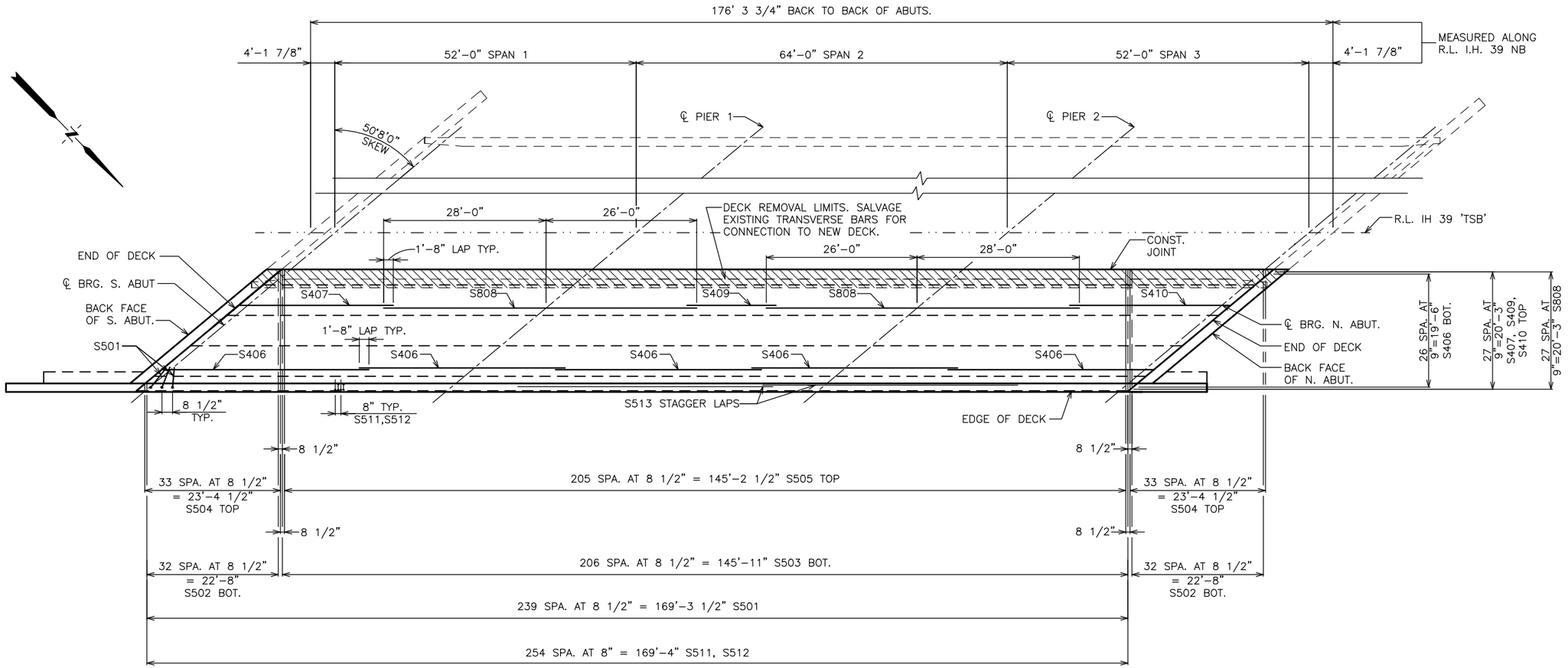
DRAWN BY KGC | PLANS CHK'D JJH

SUPERSTRUCTURE

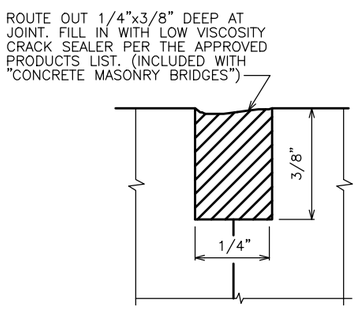
SHEET 19 OF 23

266

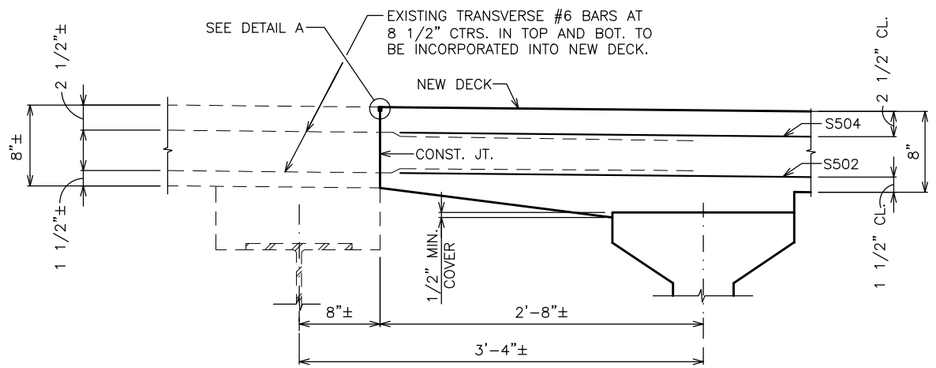
STATE PROJECT NUMBER
1007–10–84



PLAN



DETAIL A



LONGITUDINAL CONSTRUCTION JOINT DETAIL

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–140

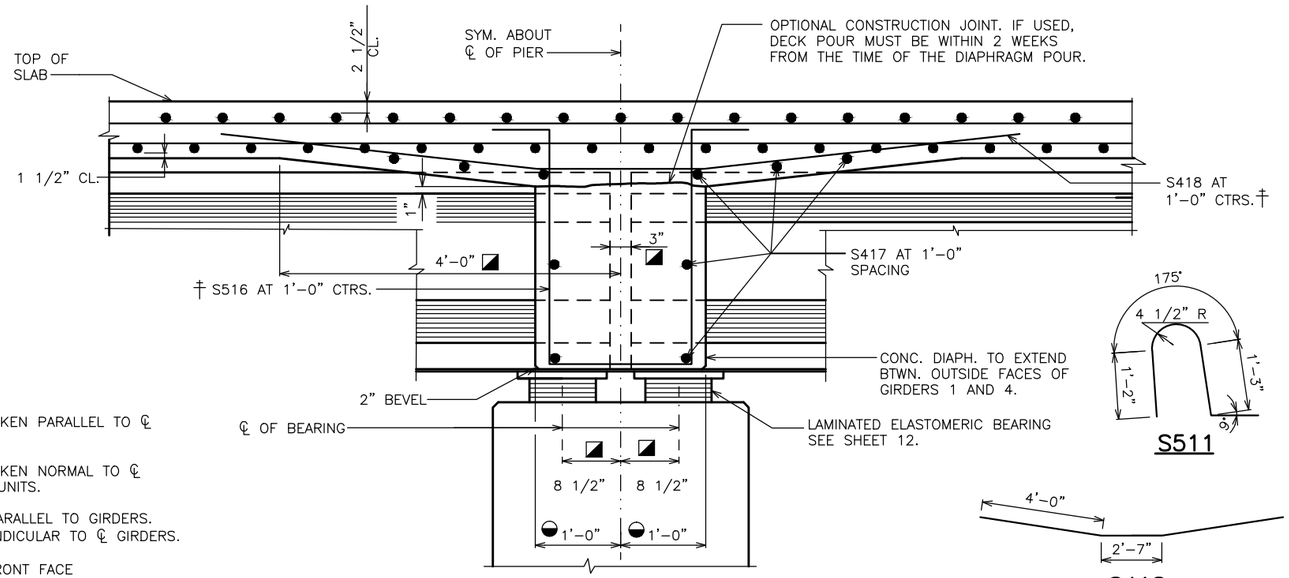
DRAWN BY KGC | PLANS CHK'D JJH

SUPERSTRUCTURE PLAN

SHEET 20 OF 23

267

STATE PROJECT NUMBER
1007-10-84

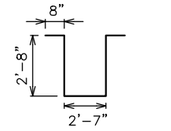


LEGEND

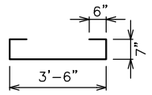
- ◪ DIMENSION IS TAKEN PARALLEL TO ℄ GIRDER.
- ◒ DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.
- ‡ BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO ℄ GIRDERS.

F.F. DENOTES FRONT FACE

DIAPHRAGM AT LAMINATED ELASTOMERIC BEARINGS AT PIERS

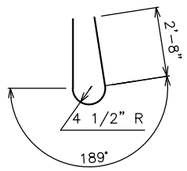


S516



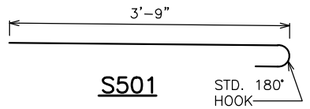
S415

S511



S512

S418



S501

BILL OF BARS

COATED: 29,500 LBS

BAR MARK	COATED BAR	NO. REQ'D	LENGTH	BENT BAR	BAR SERIES	LOCATION
S501	X	240	4-4	X		SLAB TRANS. - OVERHANG
S502	X	66	10-6		*	SLAB TRANS. BOT.
S503	X	207	20-7			SLAB TRANS. BOT.
S504	X	68	10-6		*	SLAB TRANS. TOP.
S505	X	206	20-7			SLAB TRANS. TOP.
S406	X	135	35-6			SLAB LONG. BOT.
S407	X	28	26-5			SLAB LONG. TOP SPAN 1
S808	X	56	54-0			SLAB LONG. TOP AT PIER 1 AND 2
S409	X	28	15-4			SLAB LONG. TOP AT SPAN 2
S410	X	28	27-7			SLAB LONG. TOP AT SPAN 3
S511	X	255	4-5	X		SLAB AT PARAPET VERT.
S512	X	255	6-8	X		PARAPET VERT.
S513	X	32	44-0			PARAPET HORIZ.
S814	X	24	5-6			DIAPH. AT SOUTH AND NORTH ABUT.
S415	X	30	5-4	X		DIAPH. AT S. AND N. ABUT.-STIRRUPS
S516	X	24	8-8	X		DIAPH. AT PIER 1 AND 2
S417	X	60	5-6			DIAPH. AT PIER 1 AND 2 - HORIZ.
S418	X	24	10-7	X		DIAPH. AT PIER 1 AND 2 - VERT.
S419	X	6	5-6			EXP. JOINT AT SOUTH ABUT. - HORIZ.

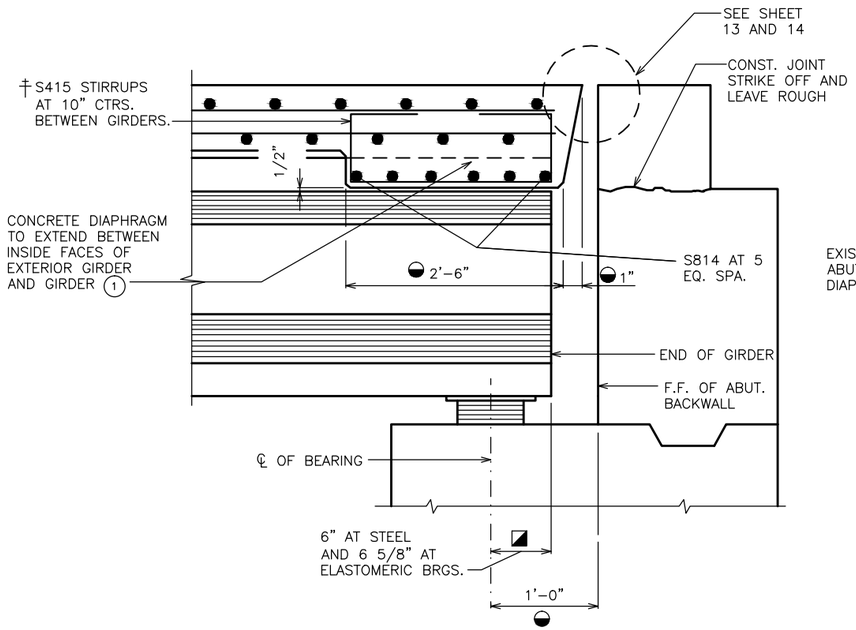
BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

* LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

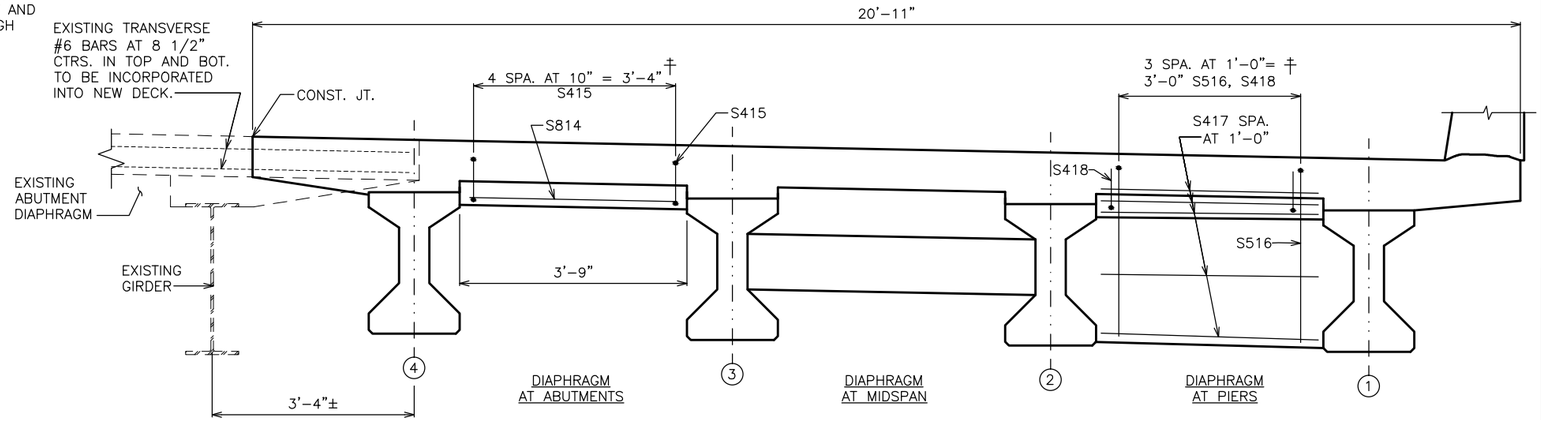
MARK	NO. REQ'D.	LENGTH
S502	2 SERIES OF 33	1'-1" TO 20'-0"
S504	2 SERIES OF 34	0'-9" TO 20'-4"

BUNDLE AND TAG EACH SERIES SEPARATELY.



EXPANSION END DIAPHRAGM AT S. ABUT.

ELASTOMERIC BEARING AT SOUTH ABUTMENT



PARTIAL SECTION THRU ROADWAY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY KGC | PLANS CHK'D JJH

SUPERSTRUCTURE DETAILS AND BILL OF BARS

SHEET 21 OF 23

268

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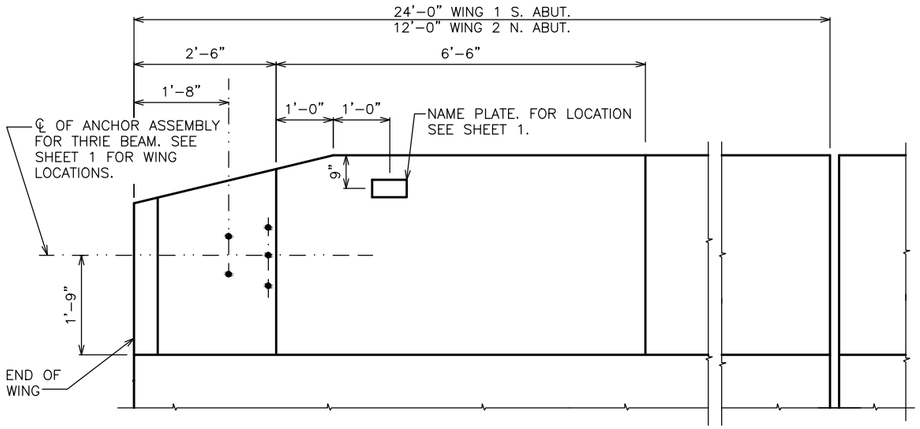
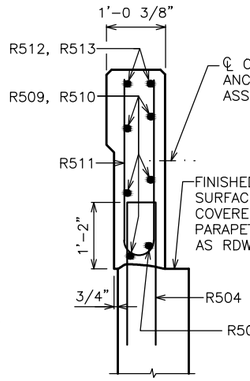
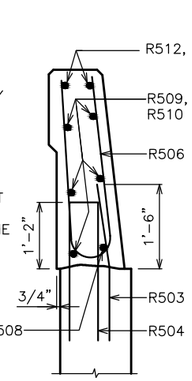


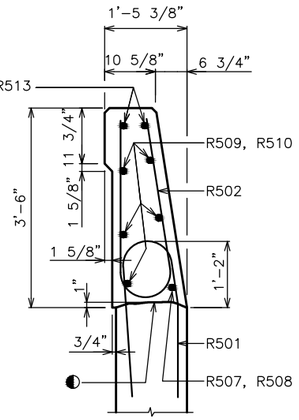
INSIDE ELEVATION



SECTION A



SECTION B



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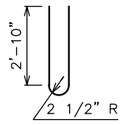
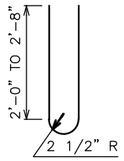


R505



R511

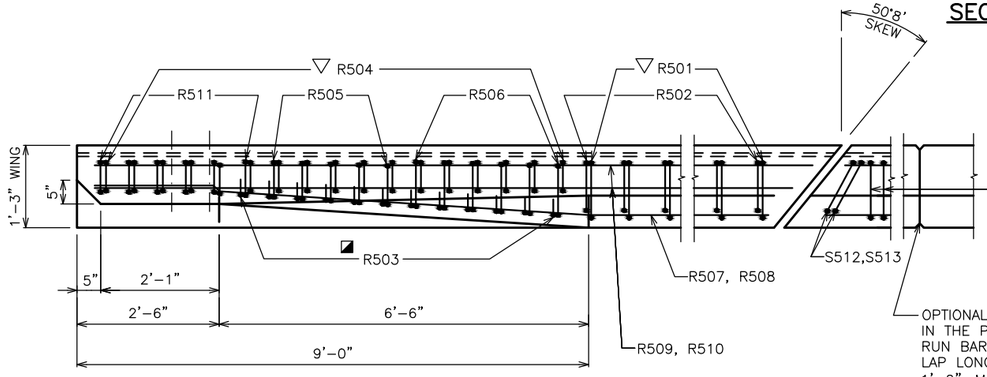
WEIGHTS INCLUDED IN ABUTMENT WEIGHT SHOWN ON SHEET 3, 7, AND 10.

BILL OF BARS

FOR ABUTMENT PARAPETS

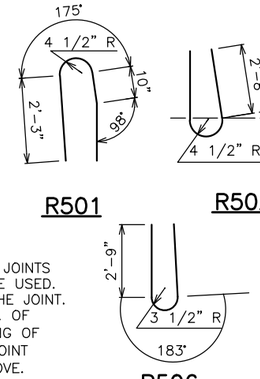
S. ABUT. COATED: 720 LBS
N. ABUT. COATED: 380 LBS

BAR MARK	COAT	S. ABUT.	N. ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	23	3	5-10	X		PARAPET-VERT.
R502	X	23	3	6-8	X		PARAPET-VERT.
R503	X	11	11	3-0	X		PARAPET-VERT.
R504	X	17	17	5-7	X		PARAPET-VERT.
R505	X	5	5	6-5	X		PARAPET-VERT.
R506	X	6	6	6-6	X		PARAPET-VERT.
R507	X	1	--	23-7	X		PARAPET-HORIZ.
R508	X	--	1	11-7	X		PARAPET-HORIZ.
R509	X	5	--	23-8			PARAPET-HORIZ.
R510	X	--	5	11-8			PARAPET-HORIZ.
R511	X	6	6	5-5	X	⚠	PARAPET-VERT.
R512	X	2	--	11-7	X		PARAPET-HORIZ.
R513	X	--	2	9-7	X		PARAPET-HORIZ.

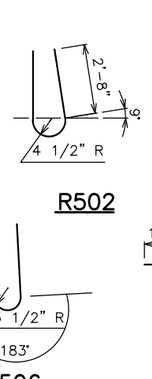


PLAN

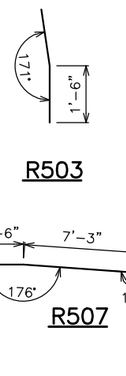
OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0" DEFINE CONST. JOINT WITH A 3/4" - 'V' GROOVE.



R501

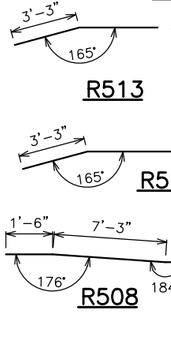


R502



R503

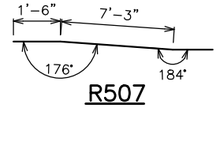
R504



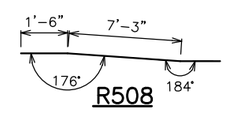
R513

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.



R507



R508

R512

BAR SERIES TABLE

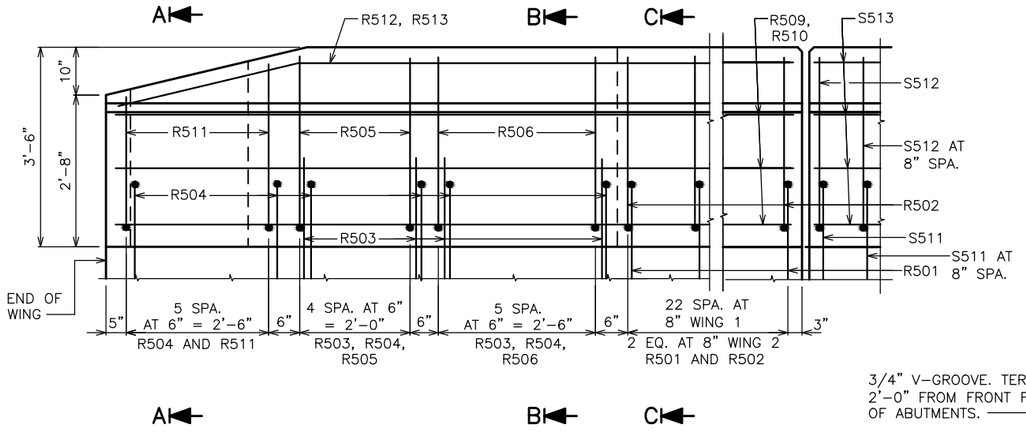
MARK	NO. REQ'D	LENGTH
R511	2 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.

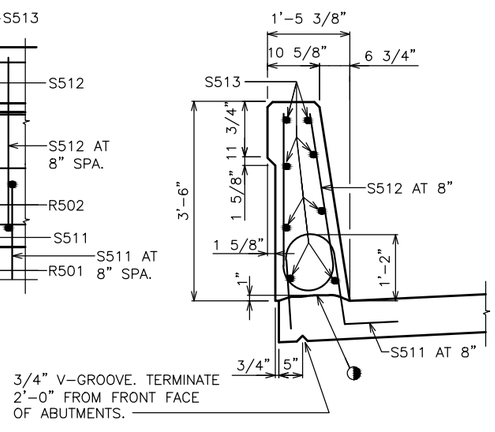
◐ CONST. JOINT - STRIKE OFF AS SHOWN.

◪ R503 BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. USE CARE TO PLACE R503 OR S503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

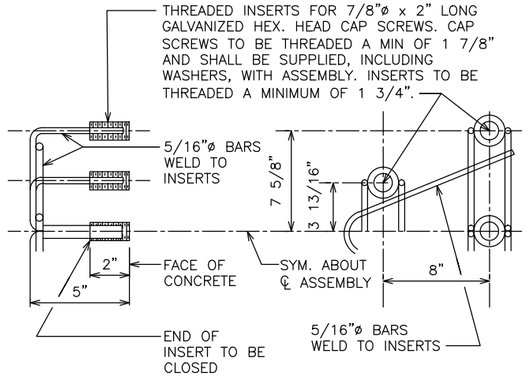
▽ R501 AND R504 BARS TO BE TIED TO WING STEEL BEFORE WING IS POURED.



OUTSIDE ELEVATION



SECTION THRU PARAPET ON BRIDGE



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX. HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-140

DRAWN BY KGC | PLANS CHK'D JJH

SINGLE SLOPE PARAPET 42SS

SHEET 22 OF 23

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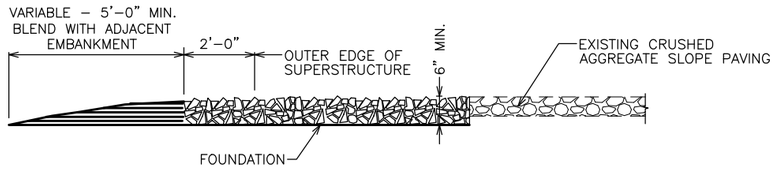
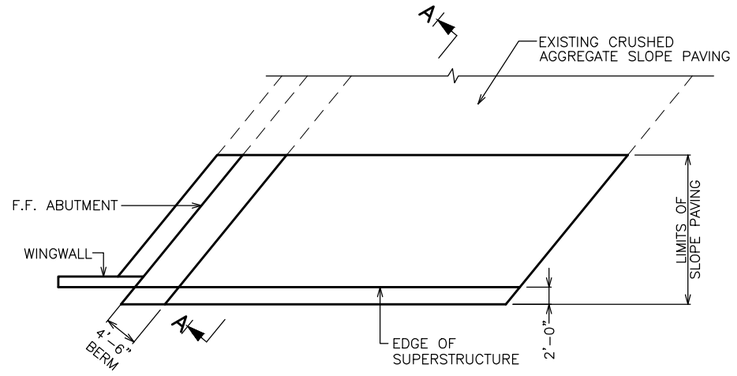
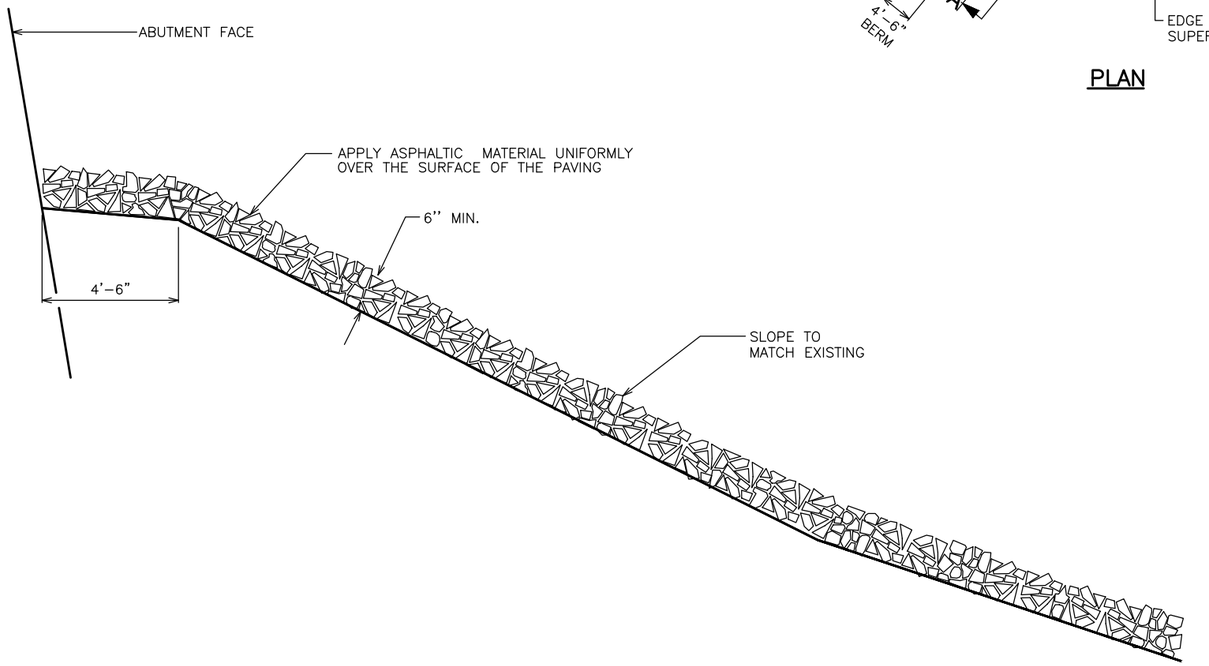
STATE PROJECT NUMBER
1007–10–84



SECTION A–A



PLAN



STANDARD CROSS SECTION THRU CRUSHED AGGREGATE

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.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–140

DRAWN BY KGC | PLANS CHK'D JJH

SLOPE PAVING
CRUSHED AGGREGATE

SHEET 23 OF 23

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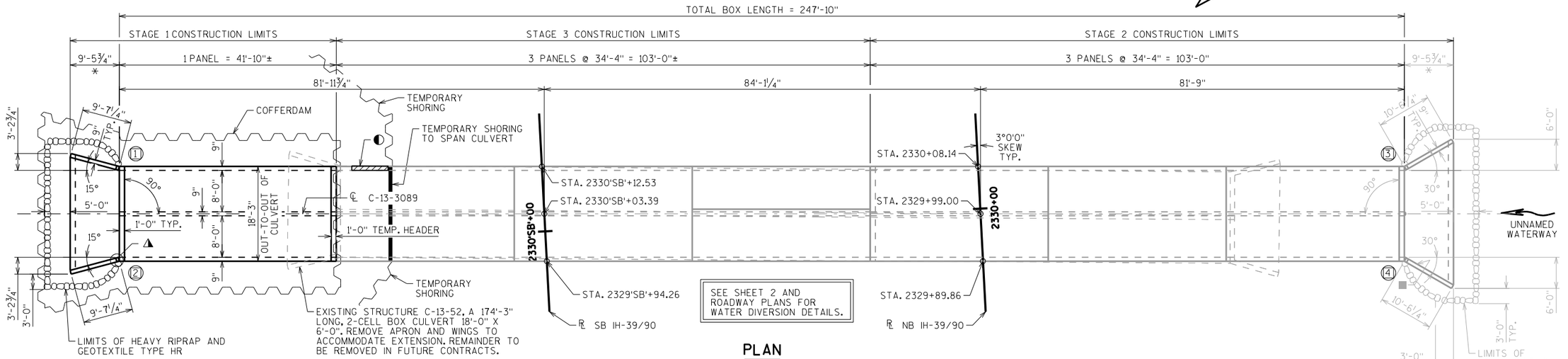
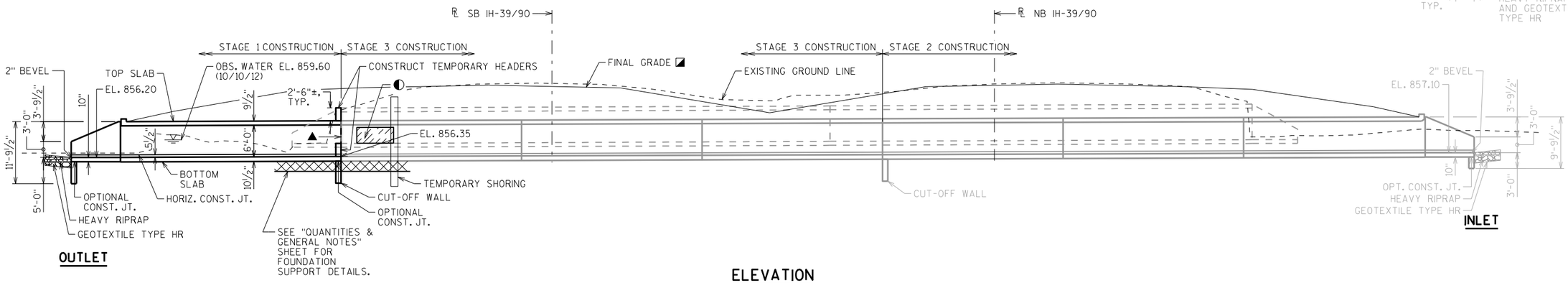
STATE PROJECT NUMBER

1007-10-84



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

◐ REMOVE PORTION OF EXISTING WALL AND DIVERT FLOW AS NEEDED. SEE "QUANTITIES & GENERAL NOTES" SHEET FOR DETAILS.

■ 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 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

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 2/1/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-13-3089 STG 1

IH-39/90 OVER UNNAMED WATERWAY

COUNTY	TOWN ~~CITY/VILLAGE~~
DANE	PLEASANT SPRINGS

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
ABS	NAR	ABS	NAR

GENERAL PLAN

SHEET 1 OF 5

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I.D. 1007-10-01Z

DATE: **OCT. 2016**

SCALE = 10

STATE PROJECT NUMBER

1007-10-84

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	997	TON
☆	311.0115	BREAKER RUN	51	CY
	504.0100	CONCRETE MASONRY CULVERTS	88	CY
	505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	7,660	LB
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	530	LB
	509.2000	FULL-DEPTH DECK REPAIR	3	SY
	511.1200	TEMPORARY SHORING C-13-3089	525	SF
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	9	SY
	606.0300	RIPRAP HEAVY	16	CY
	645.0105	GEOTEXTILE TYPE C	168	SY
	645.0120	GEOTEXTILE TYPE HR	47	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.

⚠ 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.

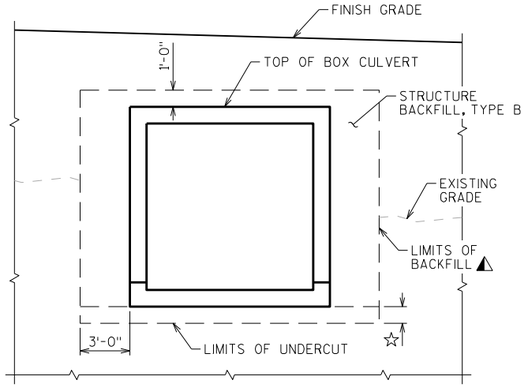
THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

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.

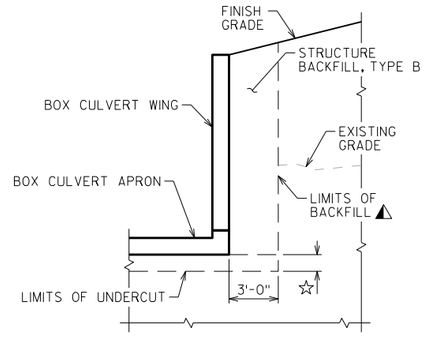
IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COURSE AGGREGATE, SELECT CRUSHED MATERIAL, OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE 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.

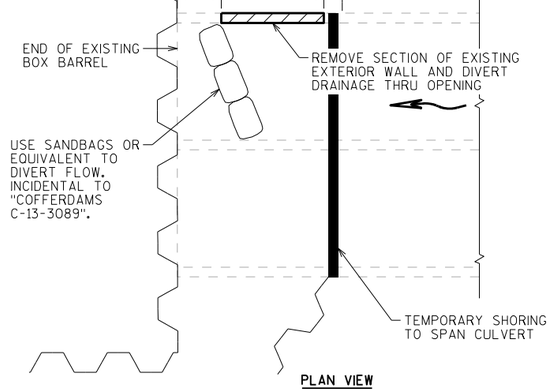
☆ UNDER CUT 8'-6". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. BACKFILL THE BOTTOM 7'-6" WITH "STRUCTURE BACKFILL TYPE B". PLACE "GEOTEXTILE TYPE C" AND BACKFILL THE TOP 1'-0" WITH "BREAKER RUN".



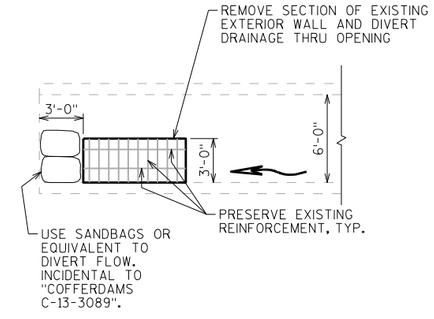
TYPICAL SECTION THRU BOX CULVERT WING

⚠ 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 8'-6". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. BACKFILL THE BOTTOM 7'-6" WITH "STRUCTURE BACKFILL TYPE B". PLACE "GEOTEXTILE TYPE C" AND BACKFILL THE TOP 1'-0" WITH "BREAKER RUN".



PLAN VIEW



ELEVATION VIEW

CULVERT WALL REMOVAL AND REPLACEMENT DETAIL

REMOVAL OF WALL SECTION TO BE INCLUDED IN "REMOVING OLD STRUCTURE STA. 2330+00" BID ITEM.

REPLACEMENT OF WALL SECTION TO BE INCLUDED IN "FULL DEPTH DECK REPAIR" BID ITEM.

← INDICATES FLOW DIRECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3089 STG 1

DRAWN BY ABS | PLANS CK'D. NAR

QUANTITIES & GENERAL NOTES

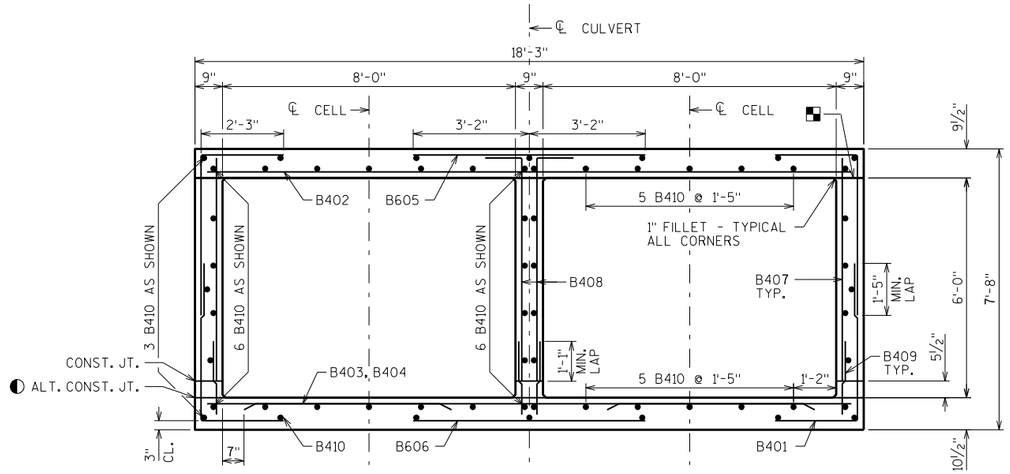
SHEET 2

272

SCALE = 1.0

8

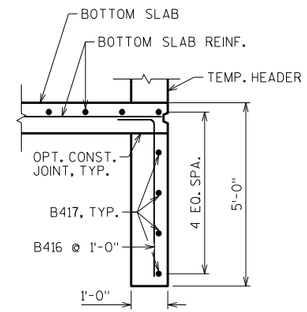
8



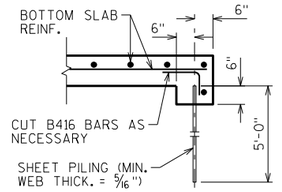
TYPICAL SECTION THRU BOX

▪ OPTIONAL CONST. JOINT. OMIT 1" FILLET IF OPTIONAL CONST. JOINT IS USED.

◐ OMIT 1" FILLET IF ALT. CONST. JOINT IS USED.



CUT-OFF WALL



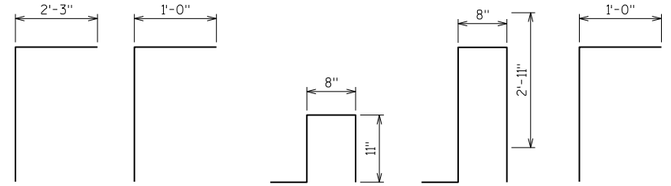
ALTERNATE CUT-OFF WALL

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.

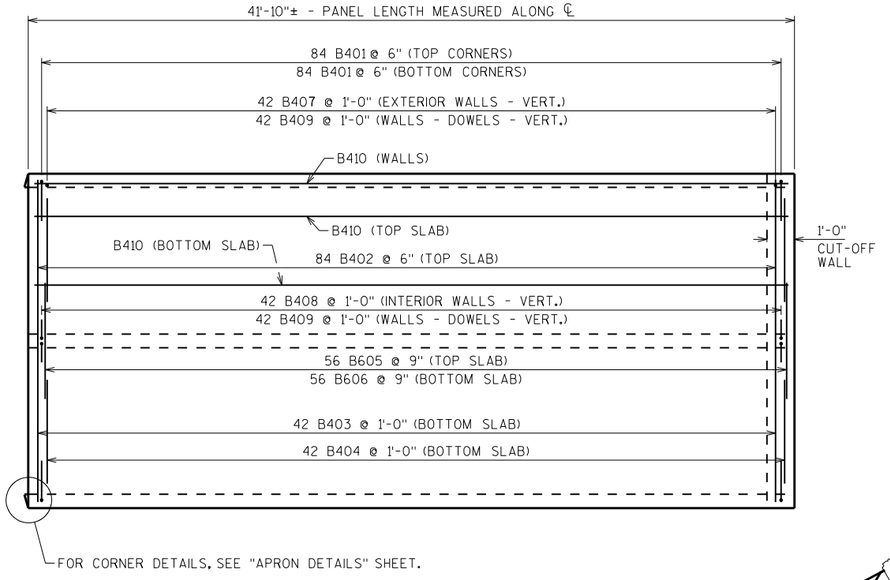
BILL OF BARS

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		336	6'-7"	X		CORNERS
B402		84	17'-9"			TOP - TRANS.
B403		42	17'-9"			BOTTOM - TRANS.
B404		42	5'-8"			BOTTOM - TRANS.
B605		56	6'-4"			TOP - TRANS.
B606		56	6'-4"			BOTTOM - TRANS.
B407		84	6'-1"			EXTERIOR WALLS - VERT.
B408		84	7'-1"	X		INTERIOR WALLS - VERT.
B409		168	2'-2"			WALLS - DOWELS - VERT.
B410		60	41'-4"			TOP & BOTTOM SLAB & WALLS - LONGIT.
B311		24	2'-9"	X		OUTLET HEADER - STIRRUPS - VERT.
B412		8	17'-9"			HEADERS - HORIZ.
B313		24	6'-9"	X		TOP SLAB HEADER - STIRRUPS - VERT.
B414		24	2'-11"			BOT. SLAB HEADER - STIRRUPS - VERT.
B415		12	7'-6"			BOT. SLAB HEADER - HORIZ.
B416		18	5'-6"	X		CUT-OFF WALL - VERT.
B417		4	17'-9"			CUT-OFF WALL - HORIZ.

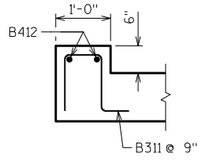


B401 B408 B311 B313 B416

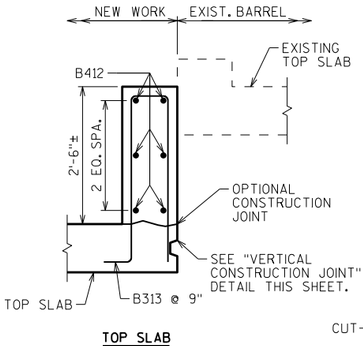


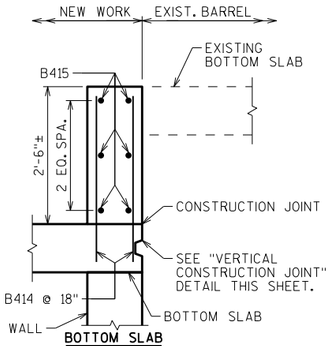
PLAN VIEW OF OUTLET PANEL

HEADER BARS & APRON NOT SHOWN FOR CLARITY.



SECTION THRU HEADER

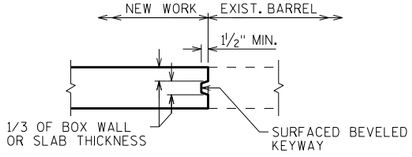




HEADER TO EXTEND BETWEEN WALLS IN EACH CELL

TEMPORARY HEADER DETAILS

NOTE: BOTTOM SLAB TEMPORARY HEADER TO BE REMOVED IN STAGE 3 (CONTRACT 1007-11-79). TOP SLAB HEADER TO REMAIN.



VERTICAL CONSTRUCTION JOINT

TYP. WALLS, TOP SLAB, & BOTTOM SLAB.

VERT. CONST. JOINT. REQUIRED FOR STAGED CONSTRUCTION WITH FUTURE CONTRACT 1007-11-80.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3089 STG 1

DRAWN BY ABS | PLANS CK'D. NAR

BOX DETAILS

SHEET 3

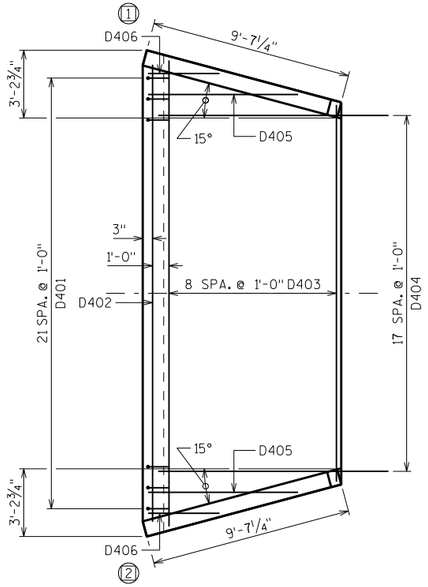
273

SCALE = 4.0

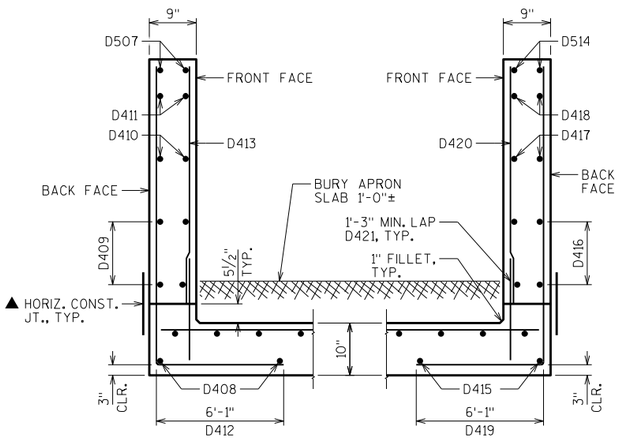
8

8

STATE PROJECT NUMBER
1007-10-84



OUTLET APRON PLAN



WING 1 SECTION WING 2 SECTION

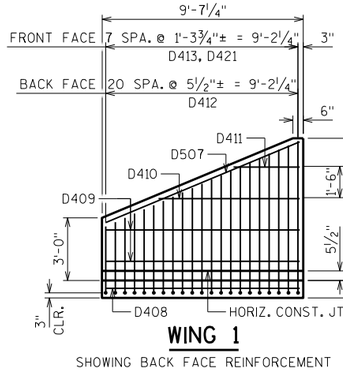
▲ 18" RUBBERIZED MEMBRANE WATERPROOFING, PLACE ALONG HORIZ. CONST. JT. FOR ENTIRE WING LENGTH, TYP.

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

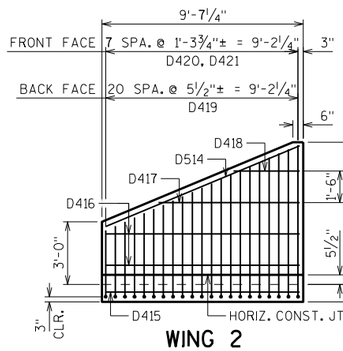
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
D401		22	5'-6"	X		OUTLET APRON AND CUTOFF WALL VERT.
D402		5	21'-8"			OUTLET APRON AND CUTOFF WALL HORIZ.
D403		9	20'-2"		⚠	OUTLET APRON SLAB HORIZ.
D404		18	11'-5"			OUTLET APRON AND BOX SLAB HORIZ.
D405		2	7'-2"			OUTLET APRON SLAB HORIZ.
D406		2	3'-5"			OUTLET APRON SLAB HORIZ.
D507	X	2	9'-10"			WING 1 HORIZ. TOP BOTH FACES
D408	X	2	9'-3"			WING 1 HORIZ. APRON SLAB
D409	X	4	9'-3"			WING 1 HORIZ. BOTTOM BOTH FACES
D410	X	2	6'-8"			WING 1 HORIZ.
D411	X	2	3'-1"			WING 1 HORIZ.
D412	X	21	11'-4"	X	⚠	WING 1 VERT. BACK FACE
D413	X	8	4'-4"		⚠	WING 1 VERT. FRONT FACE
D514	X	2	9'-10"			WING 2 HORIZ. TOP BOTH FACES
D415	X	2	9'-3"			WING 2 HORIZ. APRON SLAB
D416	X	4	9'-3"			WING 2 HORIZ. BOTTOM BOTH FACES
D417	X	2	6'-8"			WING 2 HORIZ.
D418	X	2	3'-1"			WING 2 HORIZ.
D419	X	21	11'-4"	X	⚠	WING 2 VERT. BACK FACE
D420	X	8	4'-4"		⚠	WING 2 VERT. FRONT FACE
D421	X	16	2'-3"			WINGS 1 & 2 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.



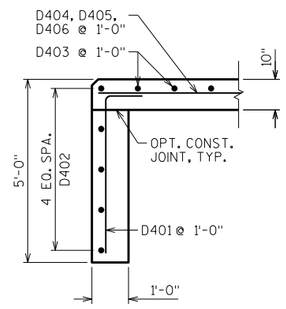
WING 1

SHOWING BACK FACE REINFORCEMENT

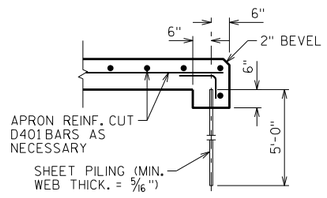


WING 2

SHOWING BACK FACE REINFORCEMENT

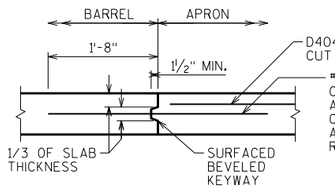


OUTLET CUT-OFF WALL



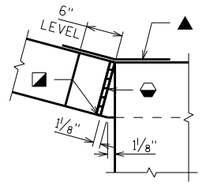
ALTERNATE CUT-OFF WALL

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.

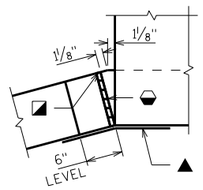


OPTIONAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.



CORNER 1



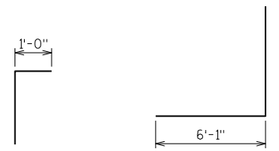
CORNER 2

CORNER DETAILS

BAR SERIES TABLE

BAR MARK	NO. REQ'D	LENGTH
D403	1 SERIES OF 9	18'-0" TO 22'-3"
D412	1 SERIES OF 21	9'-5" TO 13'-2"
D413	1 SERIES OF 8	2'-5" TO 6'-2"
D419	1 SERIES OF 21	9'-5" TO 13'-2"
D420	1 SERIES OF 8	2'-5" TO 6'-2"

BUNDLE AND TAG EACH SERIES SEPARATELY



◒ 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.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3089 STG 1

DRAWN BY ABS | PLANS CK'D. NAR

APRON DETAILS

SHEET 4

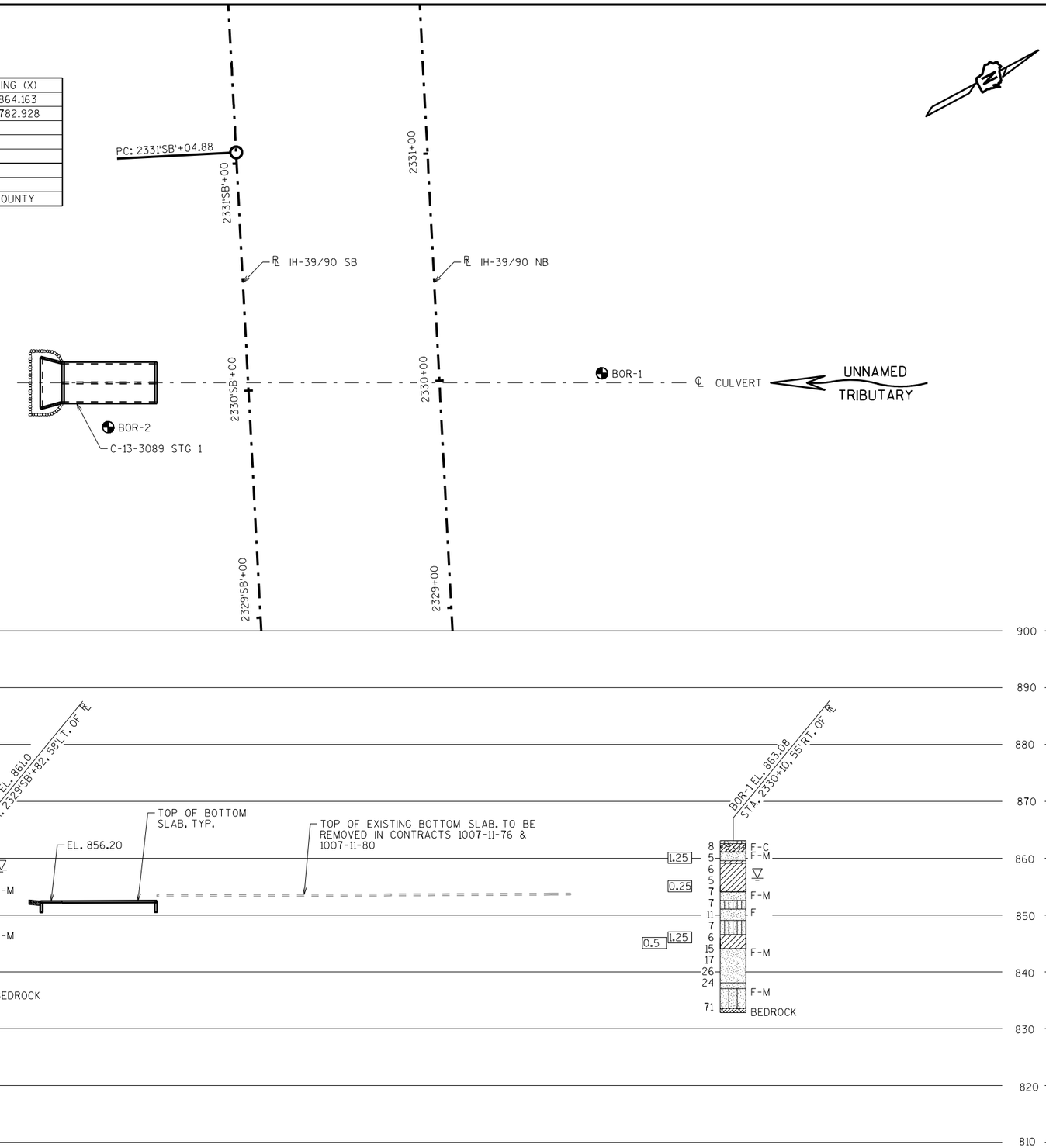
274

SCALE = 3.5

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			



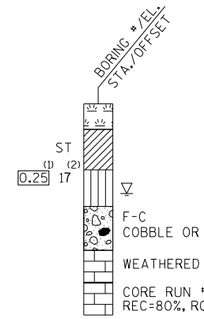
STATE PROJECT NUMBER

1007-10-84

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 1

DRAWN BY TLP/ABS | PLANS CK'D. NAR

SUBSURFACE EXPLORATION

SHEET 5

275

SCALE = 25

8

8

PROJECT ID 1007-10-84

STAGE 1 - SB IH 39 OUTSIDE TEMPORARY WIDENING

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Fill	Excavation Marsh (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	Excavation Marsh	Excavation Rock	Cut	Fill	Excavation Marsh	Excavation Rock	
1246+00 AH	124600	0.00	27.74	7.71	0.00	0.00	0	0	0	0	0	0	0	0	0
1246+50	124650	50.00	29.47	7.49	0.00	0.00	53	14	0	0	53	14	0	0	39
1247+00	124700	50.00	29.54	6.91	0.00	0.00	55	13	0	0	108	27	0	0	80
1247+50	124750	50.00	26.37	8.55	0.00	0.00	52	14	0	0	159	42	0	0	118
1248+00	124800	50.00	27.36	10.53	0.00	0.00	50	18	0	0	209	59	0	0	150
1248+50	124850	50.00	27.54	12.32	0.00	0.00	51	21	0	0	260	81	0	0	179
1249+00	124900	50.00	26.27	16.71	0.00	0.00	50	27	0	0	310	107	0	0	202
1249+50	124950	50.00	24.39	26.82	0.00	0.00	47	40	0	0	357	148	0	0	209
1250+00	125000	50.00	26.15	18.85	0.00	0.00	47	42	0	0	403	190	0	0	213
1250+50	125050	50.00	27.11	12.06	0.00	0.00	49	29	0	0	453	219	0	0	234
1251+00	125100	50.00	26.76	8.79	0.00	0.00	50	19	0	0	503	238	0	0	265
1251+35	125135.062	35.06	25.90	8.03	0.00	0.00	34	11	0	0	537	249	0	0	288
1251+50	125150	14.94	25.42	7.99	0.00	0.00	14	4	0	0	551	253	0	0	298
1252+00	125200	50.00	26.69	4.87	0.00	0.00	48	12	0	0	599	265	0	0	334
1252+50	125250	50.00	27.34	3.47	0.00	0.00	50	8	0	0	649	273	0	0	376
1253+00	125300	50.00	26.88	3.57	0.00	0.00	50	7	0	0	700	279	0	0	420
1253+50	125350	50.00	25.73	4.99	0.00	0.00	49	8	0	0	748	287	0	0	461
1254+00	125400	50.00	24.64	2.06	0.00	0.00	47	7	0	0	795	294	0	0	501
1254+50	125450	50.00	25.98	0	0.00	0.00	47	2	0	0	842	296	0	0	546
1255+00	125500	50.00	27.55	0	0.00	0.00	50	0	0	0	891	296	0	0	596
1255+50	125550	50.00	27.05	0	0.00	0.00	51	0	0	0	942	296	0	0	646
1256+00	125600	50.00	28.15	0	0.00	0.00	51	0	0	0	993	296	0	0	697
1256+50	125650	50.00	28.61	0	0.00	0.00	53	0	0	0	1046	296	0	0	750
1257+00	125700	50.00	27.58	0	0.00	0.00	52	0	0	0	1098	296	0	0	802
1257+50	125750	50.00	25.26	0	0.00	0.00	49	0	0	0	1147	296	0	0	851
1258+00	125800	50.00	25.50	0	0.00	0.00	47	0	0	0	1194	296	0	0	898
1258+50	125850	50.00	26.19	0	0.00	0.00	48	0	0	0	1241	296	0	0	946
1259+00	125900	50.00	26.40	0	0.00	0.00	49	0	0	0	1290	296	0	0	994
1259+50	125950	50.00	25.19	0	0.00	0.00	48	0	0	0	1338	296	0	0	1042
1260+00	126000	50.00	23.75	16.14	0.00	0.00	45	15	0	0	1383	311	0	0	1072
1260+50	126050	50.00	24.98	0	0.00	0.00	45	15	0	0	1428	326	0	0	1103
1261+00	126100	50.00	25.77	0	0.00	0.00	47	0	0	0	1475	326	0	0	1150
1261+33	126133.048	33.05	27.05	0	0.00	0.00	32	0	0	0	1508	326	0	0	1182
1261+50	126150	16.95	25.52	0	0.00	0.00	17	0	0	0	1524	326	0	0	1198
1262+00	126200	50.00	25.42	0	0.00	0.00	47	0	0	0	1571	326	0	0	1246
1262+50	126250	50.00	25.55	0	0.00	0.00	47	0	0	0	1618	326	0	0	1293
1263+00	126300	50.00	25.74	0	0.00	0.00	47	0	0	0	1666	326	0	0	1340
1263+50	126350	50.00	24.37	0	0.00	0.00	46	0	0	0	1712	326	0	0	1387
1264+00	126400	50.00	24.00	0	0.00	0.00	45	0	0	0	1757	326	0	0	1431
1264+50	126450	50.00	22.53	0	0.00	0.00	43	0	0	0	1800	326	0	0	1475
1265+00	126500	50.00	25.11	0	0.00	0.00	44	0	0	0	1844	326	0	0	1519
1265+25	126525	25.00	14.44	0	0.00	0.00	18	0	0	0	1863	326	0	0	1537
1265+50	126550	25.00	14.74	0	0.00	0.00	14	0	0	0	1876	326	0	0	1550
1266+00	126600	50.00	14.59	0	0.00	0.00	27	0	0	0	1903	326	0	0	1578
1266+50	126650	50.00	14.24	0	0.00	0.00	27	0	0	0	1930	326	0	0	1604
1267+00	126700	50.00	14.74	0	0.00	0.00	27	0	0	0	1957	326	0	0	1631
1267+46	126746.25	46.25	14.33	0	0.00	0.00	25	0	0	0	1982	326	0	0	1656
1267+50	126750	3.75	14.27	0	0.00	0.00	2	0	0	0	1984	326	0	0	1658
1268+00	126800	50.00	13.58	0	0.00	0.00	26	0	0	0	2010	326	0	0	1684
1268+50	126850	50.00	14.07	0	0.00	0.00	26	0	0	0	2035	326	0	0	1709
1269+00	126900	50.00	13.91	0	0.00	0.00	26	0	0	0	2061	326	0	0	1735
1269+50	126950	50.00	13.94	0	0.00	0.00	26	0	0	0	2087	326	0	0	1761
1270+00	127000	50.00	13.98	0	0.00	0.00	26	0	0	0	2113	326	0	0	1787
1270+50	127050	50.00	14.49	0	0.00	0.00	26	0	0	0	2139	326	0	0	1813
1271+00	127100	50.00	15.04	0	0.00	0.00	27	0	0	0	2166	326	0	0	1841
1271+50	127150	50.00	15.40	0	0.00	0.00	28	0	0	0	2195	326	0	0	1869
1272+00	127200	50.00	15.10	0	0.00	0.00	28	0	0	0	2223	326	0	0	1897
1272+50	127250	50.00	14.95	0	0.00	0.00	28	0	0	0	2251	326	0	0	1925
1273+00	127300	50.00	14.99	0	0.00	0.00	28	0	0	0	2278	326	0	0	1953
1273+50	127350	50.00	14.48	0	0.00	0.00	27	0	0	0	2306	326	0	0	1980
1274+00	127400	50.00	14.94	0	0.00	0.00	27	0	0	0	2333	326	0	0	2007
1274+50	127450	50.00	15.38	0	0.00	0.00	28	0	0	0	2361	326	0	0	2035
1275+00	127500	50.00	16.30	0	0.00	0.00	29	0	0	0	2390	326	0	0	2065

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STAGE 1 - SB IH 39 OUTSIDE TEMPORARY WIDENING

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Fill	Excavation Marsh (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	Excavation Marsh	Excavation Rock	Cut	Fill	Excavation Marsh	Excavation Rock	
1275+50	127550	50.00	16.40	0	0.00	0.00	61	0	0	0	2451	326	0	0	2125
1276+00	127600	50.00	16.74	0	0.00	0.00	31	0	0	0	2482	326	0	0	2156
1276+50	127650	50.00	17.03	0	0.00	0.00	31	0	0	0	2513	326	0	0	2187
1277+00	127700	50.00	17.74	0	0.00	0.00	32	0	0	0	2545	326	0	0	2219
1277+50	127750	50.00	17.67	0	0.00	0.00	33	0	0	0	2578	326	0	0	2252
1278+00	127800	50.00	17.92	0	0.00	0.00	33	0	0	0	2611	326	0	0	2285
1278+50	127850	50.00	18.49	0	0.00	0.00	34	0	0	0	2644	326	0	0	2319
1279+00	127900	50.00	18.53	0	0.00	0.00	34	0	0	0	2679	326	0	0	2353
1279+50	127950	50.00	18.79	0	0.00	0.00	35	0	0	0	2713	326	0	0	2388
1280+00	128000	50.00	18.80	0	0.00	0.00	35	0	0	0	2748	326	0	0	2422
1280+50	128050	50.00	19.09	0	0.00	0.00	35	0	0	0	2783	326	0	0	2457
1280+97	128096.5	46.50	18.92	0	0.00	0.00	33	0	0	0	2816	326	0	0	2490
1281+00	128100	3.50	18.90	0	0.00	0.00	2	0	0	0	2818	326	0	0	2493
1281+50	128150	50.00	18.65	0	0.00	0.00	35	0	0	0	2853	326	0	0	2527
1282+00	128200	50.00	18.40	0	0.00	0.00	34	0	0	0	2887	326	0	0	2562
1282+50	128250	50.00	17.93	0	0.00	0.00	34	0	0	0	2921	326	0	0	2595
1283+00	128300	50.00	17.79	0	0.00	0.00	33	0	0	0	2954	326	0	0	2628
1283+50	128350	50.00	17.53	0	0.00	0.00	33	0	0	0	2987	326	0	0	2661
1283+79	128378.873	28.87	17.48	0	0.00	0.00	19	0	0	0	3006	326	0	0	2680
1284+00	128400	21.13	17.50	0	0.00	0.00	14	0	0	0	3019	326	0	0	2694
1284+50	128450	50.00	17.43	0	0.00	0.00	32	0	0	0	3052	326	0	0	2726
1285+00	128500	50.00	17.63	0	0.00	0.00	32	0	0	0	3084	326	0	0	2758
1285+50	128550	50.00	17.79	0	0.00	0.00	33	0	0	0	3117	326	0	0	2791
1286+00	128600	50.00	18.01	0	0.00	0.00	33	0	0	0	3150	326	0	0	2824
1286+50	128650	50.00	18.02	0	0.00	0.00	33	0	0	0	3183	326	0	0	2858
1286+95	128694.899	44.90	17.38	0	0.00	0.00	29	0	0	0	3213	326	0	0	2887
1287+00	128700	5.10	17.32	0	0.00	0.00	3	0	0	0	3216	326	0	0	2890
1287+50	128750	50.00	17.15	0	0.00	0.00	32	0	0	0	3248	326	0	0	2922
1288+00	128800	50.00	17.16	0	0.00	0.00	32	0	0	0	3280	326	0	0	2954
1288+50	128850	50.00	17.34	0	0.00	0.00	32	0	0	0	3312	326	0	0	2986
1289+00	128900	50.00	17.02	0	0.00	0.00	32	0	0	0	3343	326	0	0	3018
1289+37	128936.873	36.87	16.66	0	0.00	0.00	23	0	0	0	3366	326	0	0	3041
1289+50	128950	13.13	16.66	0	0.00	0.00	8	0	0	0	3375	326	0	0	3049
1290+00	129000	50.00	16.43	0	0.00	0.00	31	0	0	0	3405	326	0	0	3080
1290+50	129050	50.00	16.17	0	0.00	0.00	30	0	0	0	3435	326	0	0	3110
1291+00	129100	50.00	16.58	0	0.00	0.00	30	0	0	0	3466	326	0	0	3140
1291+50	129150	50.00	16.57	0	0.00	0.00	31	0	0	0	3496	326	0	0	3171
1292+00	129200	50.00	16.50	0	0.00	0.00	31	0	0	0	3527	326	0	0	3201
1292+50	129250	50.00	16.29	0	0.00	0.00	30	0	0	0	3557	326	0	0	3232
1293+00	129300	50.00	16.58	0	0.00	0.00	30	0	0	0	3588	326	0	0	3262
1293+50	129350	50.00	16.89	0	0.00	0.00	31	0	0	0	3619	326	0	0	3293
1294+00	129400	50.00	17.02	0	0.00	0.00	31	0	0	0	3650	326	0	0	3325
1294+18	129417.864	17.86	17.10	0	0.00	0.00	11	0	0	0	3662	326	0	0	3336
1294+50	129450	32.14	17.17	0	0.00	0.00	20	0	0	0	3682	326	0	0	3356
1295+00	129500	50.00	16.87	0	0.00	0.00	32	0	0	0	3713	326	0	0	3388
1295+50	129550	50.00	16.60	0	0.00	0.00	31	0	0	0	3744	326	0	0	3419
1296+00	129600	50.00	16.56	0	0.00	0.00	31	0	0	0	3775	326	0	0	3449
1296+50	129650	50.00	16.25	0	0.00	0.00	30	0	0	0	3806	326	0	0	3480
1297+00	129700	50.00	15.97	0	0.00	0.00	30	0	0	0	3835	326	0	0	3510
1297+50	129750	50.00	15.64	0	0.00	0.00	29	0	0	0	3865	326	0	0	3539
1298+00	129800	50.00	15.51	0	0.00	0.00	29	0	0	0	3893	326	0	0	3568
1298+50	129850	50.00	15.63	0	0.00	0.00	29	0	0	0	3922	326	0	0	3597
1299+00	129900	50.00	15.31	0	0.00	0.00	29	0	0	0	3951	326	0	0	3625
1299+50	129950	50.00	14.78	0	0.00	0.00	28	0	0	0	3979	326	0	0	3653
1300+00	130000	50.00	14.60	0	0.00	0.00	27	0	0	0	4006	326	0	0	3680
1300+15	130014.847	14.85	14.60	0	0.00	0.00	8	0	0	0	4014	326	0	0	3688
1300+50	130050	35.15	14.39	0	0.00	0.00	19	0	0	0	4033	326	0	0	3707
1301+00	130100	50.00	14.29	0	0.00	0.00	27	0	0	0	4059	326	0	0	3734
1301+50	130150	50.00	14.12	0	0.00	0.00	26	0	0	0	4086	326	0	0	3760
1302+00	130200	50.00	13.88	0	0.00	0.00	26	0	0	0	4112	326	0	0	3786
1302+50	130250	50.00	14.09	0	0.00	0.00	26	0	0	0	4138	326	0	0	3812
1303+00	130300	50.00	13.83	0	0.00	0.00	26	0	0	0	4163	326	0	0	3838
1303+50	130350	50.00	13.54	0	0.00	0.00	25	0	0	0	4189	326	0	0	3863

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STAGE 1 - SB IH 39 OUTSIDE TEMPORARY WIDENING

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Fill	Excavation Marsh (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	Excavation Marsh	Excavation Rock	Cut	Fill	Excavation Marsh	Excavation Rock	
1303+63	130363.088	13.09	13.60	0	0.00	0.00	13	0	0	0	4202	326	0	0	3876
1304+00	130400	36.91	13.86	0	0.00	0.00	19	0	0	0	4221	326	0	0	3895
1304+50	130450	50.00	14.04	0	0.00	0.00	26	0	0	0	4247	326	0	0	3921
1305+00	130500	50.00	23.85	0	0.00	0.00	35	0	0	0	4282	326	0	0	3956
1305+50	130550	50.00	24.35	0	0.00	0.00	45	0	0	0	4326	326	0	0	4001
1306+00	130600	50.00	23.61	0	0.00	0.00	44	0	0	0	4371	326	0	0	4045
1306+50	130650	50.00	22.72	0	0.00	0.00	43	0	0	0	4414	326	0	0	4088
1307+00	130700	50.00	22.96	0	0.00	0.00	42	0	0	0	4456	326	0	0	4130
1307+50	130750	50.00	22.26	0.15	0.00	0.00	42	0	0	0	4498	326	0	0	4172
1308+00	130800	50.00	23.28	1.83	0.00	0.00	42	2	0	0	4540	328	0	0	4212
1308+26 BK	130826.12	26.12	29.49	0.07	0.00	0.00	26	1	0	0	4565	329	0	0	4237
1369+30 AH	136930	0.00	70.75	0.01	0.00	0.00	0	0	0	0	4565	329	0	0	4237
1369+50	136950	20.00	39.68	2.92	0.00	0.00	41	1	0	0	4606	330	0	0	4277
1369+86	136986.05	36.05	78.17	0	0.00	0.00	79	2	0	0	4685	332	0	0	4353
1370+00	137000	13.95	105.43	0	0.00	0.00	47	0	0	0	4732	332	0	0	4401
1370+50	137050	50.00	33.17	10.62	0.00	0.00	128	10	0	0	4861	341	0	0	4519
1371+00	137100	50.00	40.43	1.11	0.00	0.00	68	11	0	0	4929	352	0	0	4577
1371+50	137150	50.00	45.74	5.26	0.00	0.00	80	6	0	0	5009	358	0	0	4650
1372+00	137199.89	49.89	32.32	6.83	0.00	0.00	72	11	0	0	5081	369	0	0	4711
1372+50	137250	50.11	26.41	32.05	0.00	0.00	54	36	0	0	5135	405	0	0	4730
1373+00	137300	50.00	26.56	35.96	0.00	0.00	49	63	0	0	5184	468	0	0	4716
1373+50	137350	50.00	26.74	40.26	0.00	0.00	49	71	0	0	5234	539	0	0	4695
1374+00	137400	50.00	27.60	46.58	0.00	0.00	50	80	0	0	5284	619	0	0	4665
1374+50	137450	50.00	29.66	54.38	0.00	0.00	53	93	0	0	5337	713	0	0	4624
1375+00	137500	50.00	29.78	53.27	0.00	0.00	55	100	0	0	5392	813	0	0	4580
1375+50	137550	50.00	31.70	55.63	0.00	0.00	57	101	0	0	5449	913	0	0	4536
1376+00	137600	50.00	28.21	61.23	0.00	0.00	55	108	0	0	5504	1022	0	0	4483
1376+50	137650	50.00	26.68	58.66	0.00	0.00	51	111	0	0	5555	1133	0	0	4423
1377+00	137700	50.00	26.86	59.15	0.00	0.00	50	109	0	0	5605	1242	0	0	4363
1377+50	137750	50.00	27.28	51.65	0.00	0.00	50	103	0	0	5655	1344	0	0	4311
1378+00	137800	50.00	27.45	53.66	0.00	0.00	51	98	0	0	5706	1442	0	0	4264
1378+50	137850	50.00	27.36	55.35	0.00	0.00	51	101	0	0	5756	1543	0	0	4214
1379+00	137900	50.00	27.08	58.98	0.00	0.00	50	106	0	0	5807	1649	0	0	4158
1379+36	137936.114	36.11	26.53	62.69	0.00	0.00	36	81	0	0	5843	1730	0	0	4113
1379+50	137950	13.89	26.14	66.2	0.00	0.00	14	33	0	0	5856	1763	0	0	4093
1380+00	138000	50.00	23.08	91.52	0.00	0.00	46	146	0	0	5902	1909	0	0	3993
1380+50	138050	50.00	21.49	115.66	0.00	0.00	41	192	0	0	5943	2101	0	0	3842
1381+00	138100	50.00	21.69	117.53	0.00	0.00	40	216	0	0	5983	2317	0	0	3666
1381+50	138150	50.00	21.26	114.34	0.00	0.00	40	215	0	0	6023	2532	0	0	3491
1381+64	138163.893	13.89	20.62	89.44	0.00	0.00	11	52	0	0	6034	2584	0	0	3450
1381+72	138172.019	8.13	20.47	139.29	0.00	0.00	6	34	0	0	6040	2618	0	0	3421
1381+77	138176.878	4.86	20.43	177.84	0.00	0.00	4	29	0	0	6043	2647	0	0	3396
1381+85	138185.027	8.15	20.31	266.85	0.00	0.00	6	67	0	0	6050	2714	0	0	3336
1382+00	138200	14.97	20.08	113.56	0.00	0.00	11	105	0	0	6061	2820	0	0	3241
1382+50	138250	50.00	20.74	110.94	0.00	0.00	38	208	0	0	6099	3027	0	0	3071
1383+00	138300	50.00	22.80	82.4	0.00	0.00	40	179	0	0	6139	3206	0	0	2932
1383+50	138350	50.00	22.77	76.81	0.00	0.00	42	147	0	0	6181	3354	0	0	2827
1384+00	138400	50.00	22.44	71.53	0.00	0.00	42	137	0	0	6223	3491	0	0	2732
1384+50	138450	50.00	21.74	63.44	0.00	0.00	41	125	0	0	6264	3616	0	0	2648
1385+00	138500	50.00	22.41	54.15	0.00	0.00	41	109	0	0	6305	3725	0	0	2580
1385+50	138550	50.00	22.19	46.09	0.00	0.00	41	93	0	0	6346	3818	0	0	2528
1386+00	138600	50.00	22.47	44.96	0.00	0.00	41	84	0	0	6387	3902	0	0	2485
1386+50	138650	50.00	22.03	38.2	0.00	0.00	41	77	0	0	6429	3979	0	0	2449
1387+00	138700	50.00	23.74	30.53	0.00	0.00	42	64	0	0	6471	4043	0	0	2428
1387+50	138750	50.00	23.67	32.17	0.00	0.00	44	58	0	0	6515	4101	0	0	2414
1388+00	138800	50.00	24.12	31.32	0.00	0.00	44	59	0	0	6559	4160	0	0	2399
1388+50	138850	50.00	23.83	38.11	0.00	0.00	44	64	0	0	6604	4224	0	0	2380
1389+00	138900	50.00	23.07	32.03	0.00	0.00	43	65	0	0	6647	4289	0	0	2358
1389+50	138950	50.00	23.21	26.75	0.00	0.00	43	54	0	0	6690	4343	0	0	2346
1390+00	139000	50.00	22.59	68.14	0.00	0.00	42	88	0	0	6732	4431	0	0	2301
1390+36	139035.622	35.62	22.34	102.89	0.00	0.00	30	113	0	0	6762	4544	0	0	2218
1390+50	139050	14.38	24.65	97.38	0.00	0.00	13	53	0	0	6774	4597	0	0	2177
1391+00	139100	50.00	22.20	88.04	0.00	0.00	43	172	0	0	6818	4769	0	0	2049

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STAGE 1 - SB IH 39 OUTSIDE TEMPORARY WIDENING

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Fill	Excavation Marsh (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	Excavation Marsh	Excavation Rock	Cut	Fill	Excavation Marsh	Excavation Rock	
1391+50	139150	50.00	21.83	78.81	0.00	0.00	82	309	0	0	6899	5078	0	0	1821
1392+00	139200	50.00	21.75	58.99	0.00	0.00	40	128	0	0	6940	5206	0	0	1734
1392+50	139250	50.00	20.69	39.97	0.00	0.00	39	92	0	0	6979	5297	0	0	1682
1393+00	139300	50.00	18.67	25.85	0.00	0.00	36	61	0	0	7015	5358	0	0	1657
1393+50	139350	50.00	18.06	16.28	0.00	0.00	34	39	0	0	7049	5397	0	0	1652
1394+00	139400	50.00	18.72	8.02	0.00	0.00	34	23	0	0	7083	5420	0	0	1664
1394+50	139450	50.00	16.86	6.56	0.00	0.00	33	14	0	0	7116	5433	0	0	1683
1395+00	139500	50.00	16.29	4.59	0.00	0.00	31	10	0	0	7147	5444	0	0	1704
1395+50	139550	50.00	16.83	2.59	0.00	0.00	31	7	0	0	7178	5450	0	0	1728
1396+00	139600	50.00	17.73	1.34	0.00	0.00	32	4	0	0	7210	5454	0	0	1756
1396+50	139650	50.00	17.69	0.13	0.00	0.00	33	1	0	0	7243	5455	0	0	1787
1397+00	139700	50.00	17.68	0	0.00	0.00	33	0	0	0	7275	5455	0	0	1820
1397+50	139750	50.00	18.09	0	0.00	0.00	33	0	0	0	7308	5455	0	0	1853
1398+00	139800	50.00	17.04	0	0.00	0.00	33	0	0	0	7341	5455	0	0	1886
1398+50	139850	50.00	19.13	0	0.00	0.00	33	0	0	0	7374	5455	0	0	1919
1399+00	139900	50.00	20.06	0	0.00	0.00	36	0	0	0	7411	5455	0	0	1955
1399+50	139950	50.00	22.10	0	0.00	0.00	39	0	0	0	7450	5455	0	0	1994
1400+00	140000	50.00	22.68	0	0.00	0.00	41	0	0	0	7491	5455	0	0	2036
1400+50	140050	50.00	21.93	0	0.00	0.00	41	0	0	0	7533	5455	0	0	2077
1401+00	140100	50.00	19.92	0	0.00	0.00	39	0	0	0	7571	5455	0	0	2116
1401+50	140150	50.00	20.47	0	0.00	0.00	37	0	0	0	7609	5455	0	0	2153
1402+00	140200	50.00	20.55	0	0.00	0.00	38	0	0	0	7647	5455	0	0	2191
1402+50	140250	50.00	21.27	0	0.00	0.00	39	0	0	0	7685	5455	0	0	2230
1403+00	140300	50.00	22.69	0	0.00	0.00	41	0	0	0	7726	5455	0	0	2271
1403+50	140350	50.00	25.18	0	0.00	0.00	44	0	0	0	7770	5455	0	0	2315
1404+00	140400	50.00	44.02	0	0.00	0.00	64	0	0	0	7834	5455	0	0	2379
1404+50	140450	50.00	22.56	0.37	0.00	0.00	62	0	0	0	7896	5456	0	0	2441
1405+00	140500	50.00	21.54	0.11	0.00	0.00	41	0	0	0	7937	5456	0	0	2481
1405+50	140550	50.00	22.83	0	0.00	0.00	41	0	0	0	7978	5456	0	0	2522
1406+00	140600	50.00	21.98	0	0.00	0.00	41	0	0	0	8020	5456	0	0	2563
1406+50	140650	50.00	21.57	0.29	0.00	0.00	40	0	0	0	8060	5456	0	0	2603
1407+00	140700	50.00	21.58	0.44	0.00	0.00	40	1	0	0	8100	5457	0	0	2643
1407+50	140750	50.00	22.25	0	0.00	0.00	41	0	0	0	8140	5458	0	0	2683
1408+00	140800	50.00	23.45	0	0.00	0.00	42	0	0	0	8183	5458	0	0	2725
1408+50	140850	50.00	23.91	0	0.00	0.00	44	0	0	0	8227	5458	0	0	2769
1409+00	140900	50.00	24.27	0	0.00	0.00	45	0	0	0	8271	5458	0	0	2814
1409+50	140950	50.00	24.31	0	0.00	0.00	45	0	0	0	8316	5458	0	0	2859
1410+00	141000	50.00	24.47	0	0.00	0.00	45	0	0	0	8361	5458	0	0	2904
1410+50	141050	50.00	24.61	0	0.00	0.00	45	0	0	0	8407	5458	0	0	2949
1411+00	141100	50.00	24.79	0	0.00	0.00	46	0	0	0	8453	5458	0	0	2995
1411+50	141150	50.00	23.86	0	0.00	0.00	45	0	0	0	8498	5458	0	0	3040
1412+00	141200	50.00	23.46	0	0.00	0.00	44	0	0	0	8541	5458	0	0	3084
1412+50	141250	50.00	22.90	0	0.00	0.00	43	0	0	0	8584	5458	0	0	3127
1413+00	141300	50.00	23.08	0	0.00	0.00	43	0	0	0	8627	5458	0	0	3169
1413+50	141350	50.00	23.31	0	0.00	0.00	43	0	0	0	8670	5458	0	0	3212
1414+00	141400	50.00	22.74	0	0.00	0.00	43	0	0	0	8712	5458	0	0	3255
1414+50	141450	50.00	22.34	0	0.00	0.00	42	0	0	0	8754	5458	0	0	3297
1415+00	141500	50.00	20.71	0	0.00	0.00	40	0	0	0	8794	5458	0	0	3337
1415+50	141550	50.00	20.71	0	0.00	0.00	38	0	0	0	8832	5458	0	0	3375
1416+00	141600	50.00	19.41	0.05	0.00	0.00	37	0	0	0	8870	5458	0	0	3412
1416+50	141650	50.00	19.46	0.11	0.00	0.00	36	0	0	0	8906	5458	0	0	3448
1416+76	141676.478	26.48	19.28	0.18	0.00	0.00	19	0	0	0	8925	5458	0	0	3467
1417+00	141700	23.52	19.13	0.63	0.00	0.00	17	0	0	0	8941	5458	0	0	3483
1417+50	141750	50.00	19.53	0.29	0.00	0.00	36	1	0	0	8977	5459	0	0	3518
1418+00	141800	50.00	20.51	0	0.00	0.00	37	0	0	0	9014	5459	0	0	3555
1418+50	141850	50.00	23.65	0	0.00	0.00	41	0	0	0	9055	5459	0	0	3596
1419+00	141900	50.00	25.18	0	0.00	0.00	45	0	0	0	9100	5459	0	0	3641
1419+35	141935.396	35.40	26.17	0	0.00	0.00	34	0	0	0	9134	5459	0	0	3675
1419+50	141950	14.60	26.27	0	0.00	0.00	14	0	0	0	9148	5459	0	0	3689
1420+00	142000	50.00	25.62	0	0.00	0.00	48	0	0	0	9196	5459	0	0	3737
1420+50	142050	50.00	27.90	0	0.00	0.00	50	0	0	0	9246	5459	0	0	3786
1421+00	142100	50.00	33.27	0	0.00	0.00	57	0	0	0	9302	5459	0	0	3843
1421+50	142150	50.00	29.98	0	0.00	0.00	59	0	0	0	9361	5459	0	0	3902

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STAGE 1 - SB IH 39 OUTSIDE TEMPORARY WIDENING

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Fill	Excavation Marsh (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	Excavation Marsh	Excavation Rock	Cut	Fill	Excavation Marsh	Excavation Rock	
1422+00	142200	50.00	28.75	0	0.00	0.00	109	0	0	0	9470	5459	0	0	4010
1422+50	142250	50.00	27.13	0	0.00	0.00	52	0	0	0	9521	5459	0	0	4062
1423+00	142300	50.00	26.15	0	0.00	0.00	49	0	0	0	9571	5459	0	0	4111
1423+50	142350	50.00	21.55	0	0.00	0.00	44	0	0	0	9615	5459	0	0	4156
1424+00	142400	50.00	0.00	0	0.00	0.00	20	0	0	0	9635	5459	0	0	4176
1424+50	142450	50.00	0.00	0	0.00	0.00	0	0	0	0	9635	5459	0	0	4176
1425+00	142500	50.00	0.00	0	0.00	0.00	0	0	0	0	9635	5459	0	0	4176
1425+50	142550	50.00	12.80	7.58	0.00	0.00	12	7	0	0	9647	5466	0	0	4180
1426+00	142600	50.00	13.03	7.08	0.00	0.00	24	14	0	0	9671	5480	0	0	4191
1426+50	142650	50.00	13.43	5.66	0.00	0.00	25	12	0	0	9695	5492	0	0	4203
1427+00	142700	50.00	13.45	4.9	0.00	0.00	25	10	0	0	9720	5501	0	0	4219
1427+50	142750	50.00	13.50	3.78	0.00	0.00	25	8	0	0	9745	5510	0	0	4235
1428+00	142800	50.00	13.97	3.03	0.00	0.00	25	6	0	0	9770	5516	0	0	4255
1428+50	142850	50.00	14.20	3.63	0.00	0.00	26	6	0	0	9796	5522	0	0	4274
1429+00	142900	50.00	14.73	6.97	0.00	0.00	27	10	0	0	9823	5532	0	0	4291
1429+50	142950	50.00	16.41	13.59	0.00	0.00	29	19	0	0	9852	5551	0	0	4301
1429+62	142961.861	11.86	16.99	18.59	0.00	0.00	7	7	0	0	9859	5558	0	0	4302
1430+00	143000	38.14	17.71	42.02	0.00	0.00	25	43	0	0	9884	5601	0	0	4283
1430+50	143050	50.00	19.93	71.63	0.00	0.00	35	105	0	0	9919	5706	0	0	4213
1431+00	143100	50.00	19.99	103.1	0.00	0.00	37	162	0	0	9956	5868	0	0	4088
1431+50	143150	50.00	20.44	128.5	0.00	0.00	37	214	0	0	9993	6082	0	0	3911
1432+00	143200	50.00	20.11	153.1	0.00	0.00	38	261	0	0	10031	6343	0	0	3688
1432+50	143250	50.00	20.08	178.56	0.00	0.00	37	307	0	0	10068	6650	0	0	3418
1433+00	143300	50.00	20.47	186.5	0.00	0.00	38	338	0	0	10106	6988	0	0	3117
1433+50	143350	50.00	21.68	190.85	0.00	0.00	39	349	0	0	10145	7337	0	0	2807
1434+00	143400	50.00	23.54	180.29	0.00	0.00	42	344	0	0	10186	7681	0	0	2505
1434+50	143450	50.00	23.74	213.22	0.00	0.00	44	364	0	0	10230	8045	0	0	2185
1435+00	143500	50.00	23.57	153.61	0.00	0.00	44	340	0	0	10274	8385	0	0	1889
1435+50	143550	50.00	22.99	168.51	0.00	0.00	43	298	0	0	10317	8683	0	0	1634
1436+00	143600	50.00	23.42	181.51	0.00	0.00	43	324	0	0	10360	9007	0	0	1353
1436+50	143650	50.00	22.66	184.65	0.00	0.00	43	339	0	0	10403	9347	0	0	1056
1437+00	143700	50.00	23.50	216.69	0.00	0.00	43	372	0	0	10445	9718	0	0	727
1437+50	143750	50.00	23.38	180.44	0.00	0.00	43	368	0	0	10489	10086	0	0	403
1438+00	143800	50.00	23.63	118.52	0.00	0.00	44	277	0	0	10532	10363	0	0	170
1438+50	143850	50.00	18.35	0	0.00	0.00	39	110	0	0	10571	10472	0	0	99
1439+00	143900	50.00	18.04	0	0.00	0.00	34	0	0	0	10605	10472	0	0	133
1439+38	143937.782	37.78	16.70	0	0.00	0.00	24	0	0	0	10629	10472	0	0	157
1439+50	143950	12.22	16.16	0	0.00	0.00	7	0	0	0	10637	10472	0	0	164
1439+91 BK	143991.475	41.48	15.00	0	0.00	0.00	24	0	0	0	10661	10472	0	0	188
1442+42 AH	144242.296	0.00	14.89	0	0.00	0.00	0	0	0	0	10661	10472	0	0	188
1442+50	144250	7.70	15.27	0	0.00	0.00	4	0	0	0	10665	10472	0	0	193
1443+00	144300	50.00	15.46	0	0.00	0.00	28	0	0	0	10693	10472	0	0	221
1443+50	144350	50.00	15.06	0	0.00	0.00	28	0	0	0	10722	10472	0	0	249
1444+00	144400	50.00	14.96	0	0.00	0.00	28	0	0	0	10749	10472	0	0	277
1444+50	144450	50.00	14.89	0	0.00	0.00	28	0	0	0	10777	10472	0	0	305
1445+00	144500	50.00	15.08	0	0.00	0.00	28	0	0	0	10805	10472	0	0	332
1445+50	144550	50.00	15.02	0	0.00	0.00	28	0	0	0	10833	10472	0	0	360
1446+00	144600	50.00	14.81	0	0.00	0.00	28	0	0	0	10860	10472	0	0	388
1446+50	144650	50.00	14.80	0	0.00	0.00	27	0	0	0	10888	10472	0	0	415
1447+00	144700	50.00	15.18	0	0.00	0.00	28	0	0	0	10916	10472	0	0	443
1447+50	144750	50.00	14.90	0	0.00	0.00	28	0	0	0	10943	10472	0	0	471
1448+00	144800	50.00	15.03	0	0.00	0.00	28	0	0	0	10971	10472	0	0	499
1448+50	144850	50.00	24.22	0	0.00	0.00	36	0	0	0	11007	10472	0	0	535
1449+00	144900	50.00	22.15	0	0.00	0.00	43	0	0	0	11050	10472	0	0	578
1449+50	144950	50.00	14.82	0	0.00	0.00	34	0	0	0	11085	10472	0	0	612
1450+00	145000	50.00	14.74	0	0.00	0.00	27	0	0	0	11112	10472	0	0	640
1450+37	145036.59	36.59	15.07	0	0.00	0.00	20	0	0	0	11132	10472	0	0	660
1450+50	145050	13.41	15.14	0	0.00	0.00	8	0	0	0	11140	10472	0	0	667
1451+00	145100	50.00	15.22	0	0.00	0.00	28	0	0	0	11168	10472	0	0	695
1451+50	145150	50.00	14.12	0	0.00	0.00	27	0	0	0	11195	10472	0	0	723
1451+65 BK	145164.978	14.98	0.00	0	0.00	0.00	4	0	0	0	11199	10472	0	0	726
1452+86 AH	145286.437	0.00	14.16	0	0.00	0.00	0	0	0	0	11199	10472	0	0	726
1453+00	145300	13.56	14.00	0	0.00	0.00	7	0	0	0	11206	10472	0	0	734

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STAGE 1 - SB IH 39 OUTSIDE TEMPORARY WIDENING

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Fill	Excavation Marsh (In Cross Sections)	Excavation Rock (In Cross Sections)	Cut	Fill	Excavation Marsh	Excavation Rock	Cut	Fill	Excavation Marsh	Excavation Rock	
1453+50	145350	50.00	15.41	0	0.00	0.00	54	0	0	0	11260	10472	0	0	788
1454+00	145400	50.00	17.08	0	0.00	0.00	30	0	0	0	11290	10472	0	0	818
1454+36	145436.197	36.20	17.08	0	0.03	0.00	23	0	0	0	11313	10472	0	0	841
1454+50	145450	13.80	26.25	0	11.58	0.00	11	0	3	0	11324	10472	3	0	852
1455+00	145500	50.00	22.49	6.35	62.3	0.00	45	6	68	0	11370	10478	71	0	891
1455+50	145550	50.00	21.13	12.61	66.5	0.00	40	18	119	0	11410	10496	191	0	914
1456+00	145600	50.00	20.87	17.01	78.58	0.00	39	27	134	0	11449	10523	325	0	926
1456+50	145650	50.00	20.65	20.6	54.33	0.00	38	35	123	0	11487	10558	448	0	929
1457+00	145700	50.00	20.51	20.77	96.61	0.00	38	38	140	0	11525	10596	588	0	929
1457+50	145750	50.00	20.04	19.9	1.55	0.00	38	38	91	0	11563	10634	679	0	929
1458+00	145800	50.00	19.45	17.86	0.00	0.00	37	35	1	0	11600	10669	680	0	931
1458+50	145850	50.00	18.11	17.15	0.00	0.00	35	32	0	0	11634	10701	680	0	933
1459+00	145900	50.00	18.16	16.09	0.00	0.00	34	31	0	0	11668	10732	680	0	936
1459+50	145950	50.00	18.66	17.03	0.00	0.00	34	31	0	0	11702	10763	680	0	939
1460+00	146000	50.00	18.55	17.3	0.00	0.00	34	32	0	0	11736	10795	680	0	942
1460+35	146035.181	35.18	19.21	17.91	0.00	0.00	25	23	0	0	11761	10818	680	0	943
1460+37	146037.193	2.01	19.19	17.97	0.00	0.00	1	1	0	0	11762	10819	680	0	944
1460+50	146050	12.81	19.16	18.36	0.00	0.00	9	9	0	0	11772	10828	680	0	944
1461+00	146100	50.00	19.64	20.17	0.00	0.00	36	36	0	0	11807	10863	680	0	944
1461+50	146150	50.00	20.52	17.52	0.00	0.00	37	35	0	0	11845	10898	680	0	947
1462+00	146200	50.00	21.09	14.58	0.00	0.00	39	30	0	0	11883	10928	680	0	955
1462+50	146250	50.00	21.46	9.6	0.00	0.00	39	22	0	0	11923	10950	680	0	972
1463+00	146300	50.00	28.53	5.06	0.00	0.00	46	14	0	0	11969	10964	680	0	1005
1463+50	146350	50.00	50.01	2.37	0.00	0.00	73	7	0	0	12042	10971	680	0	1071
1464+00	146400	50.00	68.48	0.96	0.00	0.00	110	3	0	0	12151	10974	680	0	1178
1464+50	146450	50.00	79.90	0.54	0.00	0.00	137	1	0	0	12289	10975	680	0	1314
1465+00	146500	50.00	83.15	0.63	0.00	0.00	151	1	0	0	12440	10976	680	0	1463
1465+50	146550	50.00	64.74	0.76	0.00	0.00	137	1	0	0	12577	10978	680	0	1599
1466+00	146600	50.00	66.01	0.73	0.00	0.00	121	1	0	0	12698	10979	680	0	1719
1466+50	146650	50.00	60.30	0.7	0.00	0.00	117	1	0	0	12815	10980	680	0	1834
1467+00	146700	50.00	51.54	2.14	0.00	0.00	104	3	0	0	12918	10983	680	0	1935
1467+50	146750	50.00	32.90	3.81	0.00	0.00	78	6	0	0	12996	10988	680	0	2008
1468+00	146800	50.00	41.32	5.81	0.00	0.00	69	9	0	0	13065	10997	680	0	2068
1468+50	146850	50.00	38.03	6.5	0.00	0.00	73	11	0	0	13139	11009	680	0	2130
1469+00	146900	50.00	24.10	7.49	0.00	0.00	58	13	0	0	13196	11022	680	0	2174
1469+50	146950	50.00	24.41	7.42	0.00	0.00	45	14	0	0	13241	11035	680	0	2206
1470+00	147000	50.00	21.34	3.98	0.00	0.00	42	11	0	0	13283	11046	680	0	2237
1470+38	147037.665	37.67	21.35	19.03	0.00	0.00	30	16	0	0	13313	11062	680	0	2251
1470+50	147050	12.33	21.42	14.25	0.00	0.00	10	8	0	0	13323	11070	680	0	2253
1471+00	147100	50.00	22.18	3.64	0.00	0.00	40	17	0	0	13363	11086	680	0	2277
1471+50	147150	50.00	22.50	3.08	0.00	0.00	41	6	0	0	13405	11092	680	0	2312
1472+00	147200	50.00	22.76	3.73	0.00	0.00	42	6	0	0	13447	11099	680	0	2348
1472+50	147250	50.00	21.97	5.02	0.00	0.00	41	8	0	0	13488	11107	680	0	2381
1473+00	147300	50.00	21.44	7.6	0.00	0.00	40	12	0	0	13528	11119	680	0	2410
1473+50	147350	50.00	22.92	0	0.00	0.00	41	7	0	0	13569	11126	680	0	2444
1474+00	147400	50.00	26.26	4.14	0.00	0.00	46	4	0	0	13615	11129	680	0	2485
1474+50	147450	50.00	27.03	0	0.00	0.00	49	4	0	0	13664	11133	680	0	2531
1475+00	147500	50.00	26.45	0	0.00	0.00	50	0	0	0	13714	11133	680	0	2580
1475+50	147550	50.00	26.01	0	0.00	0.00	49	0	0	0	13762	11133	680	0	2629
1476+00	147600	50.00	25.57	0	0.00	0.00	48	0	0	0	13810	11133	680	0	2677
1476+50	147650	50.00	25.29	0.06	0.00	0.00	47	0	0	0	13857	11133	680	0	2724
1477+00	147700	50.00	25.31	0.11	0.00	0.00	47	0	0	0	13904	11133	680	0	2771
1477+50	147750	50.00	25.70	0	0.00	0.00	47	0	0	0	13951	11134	680	0	2818
1478+00	147800	50.00	25.83	0	0.00	0.00	48	0	0	0	13999	11134	680	0	2865
1478+50	147850	50.00	25.61	0	0.00	0.00	48	0	0	0	14047	11134	680	0	2913
1479+00	147900	50.00	24.59	0.03	0.00	0.00	46	0	0	0	14093	11134	680	0	2959
1479+50	147950	50.00	23.66	0.28	0.00	0.00	45	0	0	0	14138	11134	680	0	3004
1480+00	148000	50.00	23.81	0.15	0.00	0.00	44	0	0	0	14182	11134	680	0	3047
1480+50	148050	50.00	23.63	5.09	0.00	0.00	44	5	0	0	14226	11139	680	0	3086
1481+00	148100	50.00	23.69	13.63	0.00	0.00	44	17	0	0	14269	11156	680	0	3113
1481+50	148150	50.00	24.68	0.47	0.00	0.00	45	13	0	0	14314	11169	680	0	3145
1482+00	148200	50.00	24.67	4.08	0.00	0.00	46	4	0	0	14360	11174	680	0	3186
1482+37	148237.036	37.04	25.25	3.1	0.00	0.00	34	5	0	0	14394	11179	680	0	3215
1482+50	148250	12.96	25.32	2.69	0.00	0.00	12	1	0	0	14406	11180	680	0	3226
1483+00	148300	50.00	25.55	0.78	0.00	0.00	47	3	0	0	14453	11183	680	0	3270
1483+50	148350	50.00	25.57	0.68	0.00	0.00	47	1	0	0	14501	11185	680	0	3316
1484+00	148400	50.00	25.49	0.61	0.00	0.00	47	1	0	0	14548	11186	680	0	3362
1484+30 BK	148429.986	29.99	25.20	1.08	0.00	0.00	28	1	0	0	14576	11187	680	0	3389
						COLUMN TOTALS	14576	11187	680	0					

PROJECT ID 1007-10-84

STAGE 1 - NB Shoulder Replacement

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	
1020+93 AH	102093.235	0.00	22.40	1.98	0.00	0.00	0	0	0	0	0	0	0	0	0
1021+00	102100	6.76	22.50	2.1	0.00	0.00	6	1	0	0	6	1	0	0	5
1021+50	102150	50.00	23.19	1.6	0.00	0.00	42	3	0	0	48	4	0	0	44
1022+00	102200	50.00	23.25	3.4	0.00	0.00	43	5	0	0	91	9	0	0	82
1022+50	102250	50.00	22.56	3.01	0.00	0.00	42	6	0	0	133	15	0	0	119
1023+00	102300	50.00	22.85	1.09	0.00	0.00	42	4	0	0	175	18	0	0	157
1023+50	102350	50.00	23.10	0.51	0.00	0.00	43	1	0	0	218	20	0	0	198
1024+00	102400	50.00	24.00	0	0.00	0.00	44	0	0	0	262	20	0	0	241
1024+50	102450	50.00	23.96	0	0.00	0.00	44	0	0	0	306	20	0	0	286
1025+00	102500	50.00	24.64	0	0.00	0.00	45	0	0	0	351	20	0	0	331
1025+50	102550	50.00	25.24	0	0.00	0.00	46	0	0	0	397	20	0	0	377
1026+00	102600	50.00	25.53	0	0.00	0.00	47	0	0	0	444	20	0	0	424
1026+50	102650	50.00	25.22	0	0.00	0.00	47	0	0	0	491	20	0	0	471
1027+00	102700	50.00	23.90	0	0.00	0.00	45	0	0	0	537	20	0	0	516
1027+50	102750	50.00	22.76	2.38	0.00	0.00	43	2	0	0	580	22	0	0	557
1028+00	102800	50.00	22.22	4.67	0.00	0.00	42	7	0	0	621	29	0	0	592
1028+50	102850	50.00	22.91	4.9	0.00	0.00	42	9	0	0	663	38	0	0	625
1029+00	102900	50.00	22.97	6.8	0.00	0.00	42	11	0	0	706	49	0	0	657
1029+50	102950	50.00	23.59	3.8	0.00	0.00	43	10	0	0	749	58	0	0	690
1030+00	103000	50.00	22.88	1.54	0.00	0.00	43	5	0	0	792	63	0	0	728
1030+50	103050	50.00	22.96	2.27	0.00	0.00	42	4	0	0	834	67	0	0	767
1031+00	103100	50.00	23.36	2.63	0.00	0.00	43	5	0	0	877	72	0	0	806
1031+50	103150	50.00	23.62	1.74	0.00	0.00	44	4	0	0	921	76	0	0	845
1031+92	103191.789	41.79	23.17	0.3	0.00	0.00	36	2	0	0	957	77	0	0	880
1032+00	103200	8.21	23.51	1.46	0.00	0.00	7	0	0	0	964	77	0	0	887
1032+50	103250	50.00	25.06	0	0.00	0.00	45	1	0	0	1009	79	0	0	930
1033+00	103300	50.00	24.69	0	0.00	0.00	46	0	0	0	1055	79	0	0	976
1033+50	103350	50.00	27.28	0	0.00	0.00	48	0	0	0	1103	79	0	0	1024
1034+00	103400	50.00	26.60	0	0.00	0.00	50	0	0	0	1153	79	0	0	1074
1034+50	103450	50.00	24.68	0	0.00	0.00	47	0	0	0	1201	79	0	0	1122
1034+59 BK	103458.606	8.61	24.43	0	0.00	0.00	8	0	0	0	1208	79	0	0	1130
						COLUMN TOTALS	1208	79	0	0					

PROJECT ID 1007-10-84

STAGE 2 - SB IH 39 MEDIAN

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	
1246+00 AH	124600	0.00	30.15	30.08	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
1246+50	124650	50.00	30.26	34.59	0.00	0.00	0.00	56	60	0	0	0	56	60	0	0	0	-4
1247+00	124700	50.00	29.51	40.55	0.00	0.00	0.00	55	70	0	0	0	111	129	0	0	0	-18
1247+50	124750	50.00	30.35	43.92	0.00	0.00	0.00	55	78	0	0	0	167	208	0	0	0	-41
1248+00	124800	50.00	32.72	46.34	0.00	0.00	0.00	58	84	0	0	0	225	291	0	0	0	-66
1248+50	124850	50.00	31.77	52.49	0.00	0.00	0.00	60	92	0	0	0	285	383	0	0	0	-98
1249+00	124900	50.00	38.11	58.75	7.59	0.00	0.00	65	103	7	0	0	350	486	7	0	0	-136
1249+50	124950	50.00	41.65	64.06	5.36	0.00	0.00	74	114	12	0	0	423	599	19	0	0	-176
1250+00	125000	50.00	43.59	57.5	23.19	0.00	0.00	79	113	26	0	0	502	712	45	0	0	-210
1250+50	125050	50.00	41.71	56.72	16.86	0.00	0.00	79	106	37	0	0	581	818	83	0	0	-237
1251+00	125100	50.00	28.13	67.19	8.84	0.00	0.00	65	115	24	0	0	646	933	106	0	0	-287
1251+35	125135.062	35.06	46.36	78.22	42.2	0.00	0.00	48	94	33	0	0	694	1027	139	0	0	-333
1251+50	125150	14.94	41.79	72.54	29.97	0.00	0.00	24	42	20	0	0	719	1069	159	0	0	-350
1252+00	125200	50.00	36.78	59.27	25.99	0.00	0.00	73	122	52	0	0	791	1191	211	0	0	-399
1252+50	125250	50.00	36.65	48.35	38.69	0.00	0.00	68	100	60	0	0	859	1290	271	0	0	-431
1253+00	125300	50.00	20.92	44.47	23.22	0.00	0.00	53	86	57	0	0	913	1376	328	0	0	-464
1253+50	125350	50.00	20.81	51.8	9.39	0.00	0.00	39	89	30	0	0	951	1465	359	0	0	-514
1254+00	125400	50.00	21.85	42.89	10.82	0.00	0.00	40	88	19	0	0	991	1553	377	0	0	-562
1254+50	125450	50.00	21.25	35.14	0.00	0.00	0.00	40	72	10	0	0	1031	1625	387	0	0	-595
1255+00	125500	50.00	19.77	33.57	0.00	0.00	0.00	38	64	0	0	0	1069	1689	387	0	0	-620
1255+50	125550	50.00	20.08	31.2	0.00	0.00	0.00	37	60	0	0	0	1106	1749	387	0	0	-643
1256+00	125600	50.00	20.97	24.98	0.00	0.00	0.00	38	52	0	0	0	1144	1801	387	0	0	-657
1256+50	125650	50.00	22.69	34.72	0.00	0.00	0.00	40	55	0	0	0	1184	1856	387	0	0	-672
1257+00	125700	50.00	23.45	40.32	0.00	0.00	0.00	43	69	0	0	0	1227	1926	387	0	0	-699
1257+50	125750	50.00	25.41	41.48	0.00	0.00	0.00	45	76	0	0	0	1272	2001	387	0	0	-729
1258+00	125800	50.00	27.87	44.86	0.00	0.00	0.00	49	80	0	0	0	1321	2081	387	0	0	-760
1258+50	125850	50.00	22.51	54.46	0.00	0.00	0.00	47	92	0	0	0	1368	2173	387	0	0	-805
1259+00	125900	50.00	21.49	56.81	0.00	0.00	0.00	41	103	0	0	0	1409	2276	387	0	0	-868
1259+50	125950	50.00	25.77	52.65	0.00	0.00	0.00	44	101	0	0	0	1453	2378	387	0	0	-925
1260+00	126000	50.00	24.02	64.02	0.00	0.00	0.00	46	108	0	0	0	1499	2486	387	0	0	-987
1260+50	126050	50.00	31.05	75.73	0.00	0.00	0.00	51	129	0	0	0	1550	2615	387	0	0	-1066
1261+00	126100	50.00	41.61	85.07	0.00	0.00	0.00	67	149	0	0	0	1617	2764	387	0	0	-1147
1261+33	126133.048	33.05	64.64	100.04	0.00	0.00	0.00	65	113	0	0	0	1682	2877	387	0	0	-1195
1261+50	126150	16.95	69.55	79.65	0.00	0.00	0.00	42	56	0	0	0	1724	2934	387	0	0	-1210
1262+00	126200	50.00	19.51	67.37	0.00	0.00	0.00	82	136	0	0	0	1807	3070	387	0	0	-1263
1262+50	126250	50.00	17.55	50.89	18.89	0.00	0.00	34	110	17	0	0	1841	3179	405	0	0	-1339
1263+00	126300	50.00	18.04	44.49	19.32	0.00	0.00	33	88	35	0	0	1874	3268	440	0	0	-1394
1263+50	126350	50.00	15.80	59.23	10.23	0.00	0.00	31	96	27	0	0	1905	3364	468	0	0	-1459
1264+00	126400	50.00	15.42	60.56	7.09	0.00	0.00	29	111	16	0	0	1934	3475	484	0	0	-1541
1264+50	126450	50.00	15.44	73.56	0.00	0.00	0.00	29	124	7	0	0	1963	3599	490	0	0	-1636
1265+00	126500	50.00	15.70	105.86	0.00	0.00	0.00	29	166	0	0	0	1991	3765	490	0	0	-1774
1265+25	126525	25.00	16.13	192.64	0.00	0.00	0.00	15	138	0	0	0	2006	3903	490	0	0	-1897
1265+50	126550	25.00	16.09	145.28	0.00	0.00	0.00	15	156	0	0	0	2021	4060	490	0	0	-2038
1266+00	126600	50.00	16.58	156.73	0.00	0.00	0.00	30	280	0	0	0	2051	4339	490	0	0	-2288
1266+50	126650	50.00	16.97	173.94	0.00	0.00	0.00	31	306	0	0	0	2082	4645	490	0	0	-2563
1267+00	126700	50.00	20.20	190.81	23.85	0.00	0.00	34	338	22	0	0	2117	4983	512	0	0	-2866
1267+46	126746.25	46.25	21.23	196.32	37.25	0.00	0.00	35	332	52	0	0	2152	5315	565	0	0	-3162
1267+50	126750	3.75	21.24	195.49	39.45	0.00	0.00	3	27	5	0	0	2155	5342	570	0	0	-3187
1268+00	126800	50.00	19.13	188.98	11.06	0.00	0.00	37	356	47	0	0	2193	5698	617	0	0	-3505
1268+50	126850	50.00	18.21	177.23	18.71	0.00	0.00	35	339	28	0	0	2227	6037	644	0	0	-3810
1269+00	126900	50.00	19.43	159.32	3.75	0.00	0.00	35	312	21	0	0	2262	6349	665	0	0	-4087
1269+50	126950	50.00	20.81	136.79	0.00	0.00	0.00	37	274	3	0	0	2299	6623	669	0	0	-4323
1270+00	127000	50.00	20.40	128.02	0.00	0.00	0.00	38	245	0	0	0	2337	6868	669	0	0	-4530
1270+50	127050	50.00	19.02	132.49	0.00	0.00	0.00	37	241	0	0	0	2374	7109	669	0	0	-4735
1271+00	127100	50.00	18.86	153.16	0.00	0.00	0.00	35	264	0	0	0	2409	7374	669	0	0	-4965
1271+50	127150	50.00	18.88	159.51	0.00	0.00	0.00	35	290	0	0	0	2444	7663	669	0	0	-5219
1272+00	127200	50.00	18.68	151.08	0.00	0.00	0.00	35	288	0	0	0	2479	7951	669	0	0	-5472
1272+50	127250	50.00	18.40	147.06	0.00	0.00	0.00	34	276	0	0	0	2513	8227	669	0	0	-5714
1273+00	127300	50.00	16.87	157.58	0.00	0.00	0.00	33	282	0	0	0	2546	8509	669	0	0	-5963
1273+50	127350	50.00	16.50	132.08	0.00	0.00	0.00	31	268	0	0	0	2577	8777	669	0	0	-6200
1274+00	127400	50.00	16.27	78.81	0.00	0.00	0.00	30	195	0	0	0	2607	8972	669	0	0	-6365
1274+50	127450	50.00	122.01	29.6	0.00	0.00	0.00	128	100	0	0	0	2735	9073	669	0	0	-6338
1275+00	127500	50.00	116.16	15.55	0.00	0.00	220.41	221	42	0	0	204	2956	9115	669	0	204	-6159

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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	
1275+50	127550	50.00	139.46	7.53	0.00	0.00	425.92	473	43	0	0	1197	3429	9157	669	0	1401	-5728
1276+00	127600	50.00	248.09	3.02	0.00	0.00	531.91	359	10	0	0	887	3788	9167	669	0	2288	-5379
1276+50	127650	50.00	-579.52	2.44	0.00	0.00	598.7	-307	5	0	0	1047	3481	9172	669	0	3335	-5691
1277+00	127700	50.00	156.87	1.36	0.00	0.00	601.63	-391	4	0	0	1111	3090	9176	669	0	4446	-6086
1277+50	127750	50.00	148.70	0.33	0.00	0.00	591.43	283	2	0	0	1105	3373	9177	669	0	5551	-5805
1278+00	127800	50.00	198.95	0.73	0.00	0.00	597.2	322	1	0	0	1101	3694	9178	669	0	6651	-5484
1278+50	127850	50.00	157.15	1.7	0.00	0.00	645.18	330	2	0	0	1150	4024	9180	669	0	7802	-5156
1279+00	127900	50.00	166.63	2.9	0.00	0.00	623.04	300	4	0	0	1174	4324	9185	669	0	8976	-4861
1279+50	127950	50.00	158.55	3.35	0.00	0.00	589.11	301	6	0	0	1122	4625	9190	669	0	10098	-4565
1280+00	128000	50.00	167.44	4.15	0.00	0.00	766.37	302	7	0	0	1255	4927	9197	669	0	11353	-4271
1280+50	128050	50.00	145.92	4.99	0.00	0.00	300.99	290	8	0	0	988	5217	9206	669	0	12342	-3989
1280+97	128096.5	46.50	395.70	22.91	0.00	0.00	0.00	466	24	0	0	259	5683	9230	669	0	12601	-3547
1281+00	128100	3.50	496.81	21.66	0.00	0.00	0.00	58	3	0	0	0	5741	9233	669	0	12601	-3492
1281+50	128150	50.00	505.60	8.05	0.00	0.00	0.00	928	28	0	0	0	6669	9260	669	0	12601	-2591
1282+00	128200	50.00	203.31	19.76	0.00	0.00	0.00	656	26	0	0	0	7326	9286	669	0	12601	-1960
1282+50	128250	50.00	42.68	52.66	0.00	0.00	0.00	228	67	0	0	0	7554	9353	669	0	12601	-1800
1283+00	128300	50.00	17.30	105.73	0.00	0.00	0.00	56	147	0	0	0	7609	9500	669	0	12601	-1891
1283+50	128350	50.00	17.04	150.74	0.00	0.00	0.00	32	237	0	0	0	7641	9737	669	0	12601	-2096
1283+79	128378.873	28.87	16.72	177.97	0.00	0.00	0.00	18	176	0	0	0	7659	9913	669	0	12601	-2254
1284+00	128400	21.13	16.91	140.45	0.00	0.00	0.00	13	125	0	0	0	7672	10038	669	0	12601	-2365
1284+50	128450	50.00	17.19	99.1	0.00	0.00	0.00	32	222	0	0	0	7704	10259	669	0	12601	-2556
1285+00	128500	50.00	28.74	65.96	0.00	0.00	0.00	43	153	0	0	0	7746	10412	669	0	12601	-2666
1285+50	128550	50.00	43.25	66.95	0.00	0.00	0.00	67	123	0	0	0	7813	10535	669	0	12601	-2722
1286+00	128600	50.00	42.12	96.98	0.00	0.00	0.00	79	152	0	0	0	7892	10687	669	0	12601	-2795
1286+50	128650	50.00	16.62	138.39	0.00	0.00	0.00	54	218	0	0	0	7946	10905	669	0	12601	-2959
1286+95	128694.899	44.90	18.00	223.03	0.00	0.00	0.00	29	301	0	0	0	7975	11206	669	0	12601	-3230
1287+00	128700	5.10	18.06	225.13	0.00	0.00	0.00	3	42	0	0	0	7979	11248	669	0	12601	-3269
1287+50	128750	50.00	19.52	192.05	0.00	0.00	0.00	35	386	0	0	0	8013	11634	669	0	12601	-3621
1288+00	128800	50.00	19.00	207.66	0.00	0.00	0.00	36	370	0	0	0	8049	12004	669	0	12601	-3955
1288+50	128850	50.00	18.26	227.07	0.00	0.00	0.00	35	403	0	0	0	8083	12407	669	0	12601	-4323
1289+00	128900	50.00	53.81	242.44	0.00	0.00	0.00	67	435	0	0	0	8150	12841	669	0	12601	-4691
1289+37	128936.873	36.87	102.59	245.89	0.00	0.00	0.00	107	333	0	0	0	8257	13175	669	0	12601	-4918
1289+50	128950	13.13	17.77	225.88	0.00	0.00	0.00	29	115	0	0	0	8286	13290	669	0	12601	-5003
1290+00	129000	50.00	78.40	213.5	0.00	0.00	0.00	89	407	0	0	0	8375	13696	669	0	12601	-5321
1290+50	129050	50.00	30.04	238.06	0.00	0.00	0.00	100	418	0	0	0	8476	14115	669	0	12601	-5639
1291+00	129100	50.00	28.89	258.78	0.00	0.00	0.00	55	460	0	0	0	8530	14575	669	0	12601	-6044
1291+50	129150	50.00	28.67	267.85	0.00	0.00	0.00	53	488	0	0	0	8584	15062	669	0	12601	-6479
1292+00	129200	50.00	27.54	253.59	0.00	0.00	0.00	52	483	0	0	0	8636	15545	669	0	12601	-6909
1292+50	129250	50.00	28.86	201.4	0.00	0.00	0.00	52	421	0	0	0	8688	15966	669	0	12601	-7279
1293+00	129300	50.00	29.28	130.41	0.00	0.00	0.00	54	307	0	0	0	8742	16274	669	0	12601	-7532
1293+50	129350	50.00	41.06	94.17	0.00	0.00	0.00	65	208	0	0	0	8807	16482	669	0	12601	-7675
1294+00	129400	50.00	76.98	194.72	0.00	0.00	0.00	109	267	0	0	0	8916	16749	669	0	12601	-7833
1294+18	129417.864	17.86	108.15	193.8	0.00	0.00	0.00	61	129	0	0	0	8977	16878	669	0	12601	-7900
1294+50	129450	32.14	31.13	109.41	0.00	0.00	0.00	83	180	0	0	0	9060	17058	669	0	12601	-7998
1295+00	129500	50.00	56.18	89.92	0.00	0.00	0.00	81	185	0	0	0	9141	17243	669	0	12601	-8101
1295+50	129550	50.00	30.40	80.22	0.00	0.00	0.00	80	158	0	0	0	9221	17400	669	0	12601	-8179
1296+00	129600	50.00	80.02	40.44	0.00	0.00	0.71	102	112	0	0	1	9323	17512	669	0	12602	-8188
1296+50	129650	50.00	170.73	15.78	0.00	0.00	44.63	232	52	0	0	42	9556	17564	669	0	12644	-8008
1297+00	129700	50.00	204.19	7.86	0.00	0.00	70.12	347	22	0	0	106	9903	17586	669	0	12750	-7683
1297+50	129750	50.00	305.66	3.76	0.00	0.00	130.31	472	11	0	0	186	10375	17597	669	0	12935	-7222
1298+00	129800	50.00	422.16	2.28	0.00	0.00	263.17	674	6	0	0	364	11049	17602	669	0	13300	-6553
1298+50	129850	50.00	381.94	2.26	0.00	0.00	215.46	745	4	0	0	443	11793	17606	669	0	13743	-5813
1299+00	129900	50.00	218.25	12.33	0.00	0.00	31.28	556	14	0	0	228	12349	17620	669	0	13971	-5271
1299+50	129950	50.00	44.89	37.56	0.00	0.00	0.00	244	46	0	0	29	12593	17666	669	0	14000	-5073
1300+00	130000	50.00	45.81	136.55	0.00	0.00	0.00	84	161	0	0	0	12677	17827	669	0	14000	-5151
1300+15	130014.847	14.85	114.45	138.95	0.00	0.00	0.00	44	76	0	0	0	12721	17903	669	0	14000	-5182
1300+50	130050	35.15	50.56	123.43	0.00	0.00	0.00	107	171	0	0	0	12828	18074	669	0	14000	-5246
1301+00	130100	50.00	28.82	114.45	0.00	0.00	0.00	74	220	0	0	0	12902	18294	669	0	14000	-5392
1301+50	130150	50.00	29.51	100.66	0.00	0.00	0.00	54	199	0	0	0	12956	18493	669	0	14000	-5538
1302+00	130200	50.00	30.24	67.61	0.00	0.00	0.00	55	156	0	0	0	13011	18649	669	0	14000	-5638
1302+50	130250	50.00	67.52	23.84	0.00	0.00	3.87	91	85	0	0	4	13102	18734	669	0	14004	-5632
1303+00	130300	50.00	113.62	35.4	0.00	0.00	0.00	168	55	0	0	4	13269	18789	669	0	14008	-5519
1303+50	130350	50.00	90.51	82.34	0.00	0.00	2.11	189	109	0	0	2	13458	18898	669	0	14009	-5439

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STAGE 2 - SB IH 39 MEDIAN

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	
1303+63	130363.088	13.09	34.85	104.97	0.00	0.00	21.62	61	91	0	0	12	13519	18988	669	0	14021	-5469
1304+00	130400	36.91	124.35	64.27	0.00	0.00	44.06	109	116	0	0	45	13628	19104	669	0	14066	-5476
1304+50	130450	50.00	80.76	21.11	0.00	0.00	37.22	190	79	0	0	75	13818	19183	669	0	14141	-5365
1305+00	130500	50.00	44.23	13.09	0.00	0.00	66.51	116	32	0	0	96	13933	19215	669	0	14237	-5281
1305+50	130550	50.00	62.35	10.87	0.00	0.00	94.94	99	22	0	0	149	14032	19237	669	0	14387	-5205
1306+00	130600	50.00	73.37	10.82	0.00	0.00	105.7	126	20	0	0	186	14158	19257	669	0	14572	-5099
1306+50	130650	50.00	73.36	10.27	0.00	0.00	108.34	136	20	0	0	198	14294	19277	669	0	14771	-4983
1307+00	130700	50.00	66.29	8.53	0.00	0.00	110.66	129	17	0	0	203	14423	19294	669	0	14973	-4871
1307+50	130750	50.00	64.83	5.69	0.00	0.00	117.2	121	13	0	0	211	14544	19307	669	0	15184	-4763
1308+00	130800	50.00	125.89	6.18	0.00	0.00	119.69	177	11	0	0	219	14721	19318	669	0	15404	-4597
1308+26 BK	130826.12	26.12	66.38	6.08	0.00	0.00	0.00	93	6	0	0	58	14814	19324	669	0	15462	-4510
1369+30 AH	136930	0.00	31.04	0.09	0.00	0.00	0.00	0	0	0	0	0	14814	19324	669	0	15462	-4510
1369+50	136950	20.00	33.91	0	0.00	0.00	0.00	24	0	0	0	0	14838	19324	669	0	15462	-4486
1369+86	136986.05	36.05	31.13	0	0.00	0.00	0.00	43	0	0	0	0	14881	19324	669	0	15462	-4443
1370+00	137000	13.95	38.25	0	0.00	0.00	0.00	18	0	0	0	0	14899	19324	669	0	15462	-4425
1370+50	137050	50.00	37.46	0	0.00	0.00	0.00	70	0	0	0	0	14970	19324	669	0	15462	-4355
1371+00	137100	50.00	37.00	0	0.00	0.00	0.00	69	0	0	0	0	15038	19324	669	0	15462	-4286
1371+50	137150	50.00	12.45	0	0.00	0.00	0.00	46	0	0	0	0	15084	19324	669	0	15462	-4240
1372+00	137199.89	49.89	12.56	0	0.00	0.00	0.00	23	0	0	0	0	15107	19324	669	0	15462	-4217
1372+50	137250	50.11	12.69	0	0.00	0.00	0.00	23	0	0	0	0	15131	19324	669	0	15462	-4193
1373+00	137300	50.00	12.75	0	0.00	0.00	0.00	24	0	0	0	0	15154	19324	669	0	15462	-4170
1373+50	137350	50.00	33.83	0	0.00	0.00	0.00	43	0	0	0	0	15197	19324	669	0	15462	-4127
1374+00	137400	50.00	31.57	0	0.00	0.00	0.00	61	0	0	0	0	15258	19324	669	0	15462	-4066
1374+50	137450	50.00	29.66	0	0.00	0.00	0.00	57	0	0	0	0	15315	19324	669	0	15462	-4009
1375+00	137500	50.00	29.49	0	0.00	0.00	0.00	55	0	0	0	0	15369	19324	669	0	15462	-3955
1375+50	137550	50.00	26.18	0	0.00	0.00	0.00	52	0	0	0	0	15421	19324	669	0	15462	-3903
1376+00	137600	50.00	26.75	0	0.00	0.00	0.00	49	0	0	0	0	15470	19324	669	0	15462	-3854
1376+50	137650	50.00	27.16	0	0.00	0.00	0.00	50	0	0	0	0	15520	19324	669	0	15462	-3804
1377+00	137700	50.00	27.41	0	0.00	0.00	0.00	51	0	0	0	0	15570	19324	669	0	15462	-3754
1377+50	137750	50.00	28.02	0	0.00	0.00	0.00	51	0	0	0	0	15622	19324	669	0	15462	-3702
1378+00	137800	50.00	31.31	0	0.00	0.00	0.00	55	0	0	0	0	15677	19324	669	0	15462	-3647
1378+50	137850	50.00	32.50	0	0.00	0.00	0.00	59	0	0	0	0	15736	19324	669	0	15462	-3588
1379+00	137900	50.00	29.62	0	0.00	0.00	0.00	58	0	0	0	0	15793	19324	669	0	15462	-3531
1379+36	137936.114	36.11	30.15	0	0.00	0.00	0.00	40	0	0	0	0	15833	19324	669	0	15462	-3491
1379+50	137950	13.89	30.34	0	0.00	0.00	0.00	16	0	0	0	0	15849	19324	669	0	15462	-3475
1380+00	138000	50.00	31.04	0	0.00	0.00	0.00	57	0	0	0	0	15906	19324	669	0	15462	-3418
1380+50	138050	50.00	27.91	0.23	0.00	0.00	0.00	55	0	0	0	0	15960	19324	669	0	15462	-3364
1381+00	138100	50.00	28.18	0.77	0.00	0.00	0.00	52	1	0	0	0	16012	19325	669	0	15462	-3313
1381+50	138150	50.00	21.54	0.31	0.00	0.00	0.00	46	1	0	0	0	16058	19326	669	0	15462	-3268
1381+64	138163.893	13.89	21.38	0.48	0.00	0.00	0.00	11	0	0	0	0	16069	19326	669	0	15462	-3257
1381+72	138172.019	8.13	21.28	0.59	0.00	0.00	0.00	6	0	0	0	0	16076	19327	669	0	15462	-3251
1381+77	138176.878	4.86	21.23	0.65	0.00	0.00	0.00	4	0	0	0	0	16080	19327	669	0	15462	-3247
1381+85	138185.027	8.15	21.03	0.81	0.00	0.00	0.00	6	0	0	0	0	16086	19327	669	0	15462	-3241
1382+00	138200	14.97	20.55	1.21	0.00	0.00	0.00	12	1	0	0	0	16097	19327	669	0	15462	-3230
1382+50	138250	50.00	19.91	2.37	0.00	0.00	0.00	37	3	0	0	0	16135	19331	669	0	15462	-3196
1383+00	138300	50.00	19.39	3.47	0.00	0.00	0.00	36	5	0	0	0	16171	19336	669	0	15462	-3165
1383+50	138350	50.00	19.48	4.23	0.00	0.00	0.00	36	7	0	0	0	16207	19343	669	0	15462	-3136
1384+00	138400	50.00	19.83	4.87	0.00	0.00	0.00	36	8	0	0	0	16244	19352	669	0	15462	-3108
1384+50	138450	50.00	19.35	6.29	0.00	0.00	0.00	36	10	0	0	0	16280	19362	669	0	15462	-3082
1385+00	138500	50.00	19.73	7.16	0.00	0.00	0.00	36	12	0	0	0	16316	19375	669	0	15462	-3058
1385+50	138550	50.00	20.10	7.6	0.00	0.00	0.00	37	14	0	0	0	16353	19388	669	0	15462	-3035
1386+00	138600	50.00	21.04	8.33	0.00	0.00	0.00	38	15	0	0	0	16391	19403	669	0	15462	-3012
1386+50	138650	50.00	21.31	10.29	0.00	0.00	0.00	39	17	0	0	0	16430	19420	669	0	15462	-2990
1387+00	138700	50.00	20.71	12.11	0.00	0.00	0.00	39	21	0	0	0	16469	19441	669	0	15462	-2972
1387+50	138750	50.00	20.19	13.55	0.00	0.00	0.00	38	24	0	0	0	16507	19465	669	0	15462	-2958
1388+00	138800	50.00	20.17	15.88	0.00	0.00	0.00	37	27	0	0	0	16544	19492	669	0	15462	-2947
1388+50	138850	50.00	20.19	17.59	0.00	0.00	0.00	37	31	0	0	0	16582	19523	669	0	15462	-2941
1389+00	138900	50.00	19.95	18.42	0.00	0.00	0.00	37	33	0	0	0	16619	19556	669	0	15462	-2937
1389+50	138950	50.00	19.36	22.14	0.00	0.00	0.00	36	38	0	0	0	16655	19594	669	0	15462	-2938
1390+00	139000	50.00	19.36	27.86	0.00	0.00	0.00	36	46	0	0	0	16691	19640	669	0	15462	-2949
1390+36	139035.622	35.62	17.93	83.52	0.00	0.00	0.00	25	73	0	0	0	16716	19714	669	0	15462	-2998
1390+50	139050	14.38	17.38	85.44	0.00	0.00	0.00	9	45	0	0	0	16725	19759	669	0	15462	-3033
1391+00	139100	50.00	17.27	68.18	0.00	0.00	0.00	32	142	0	0	0	16757	19901	669	0	15462	-3143

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STAGE 2 - SB IH 39 MEDIAN

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	
1391+50	139150	50.00	17.29	62.81	0.00	0.00	0.00	64	243	0	0	0	16821	20143	669	0	15462	-3322
1392+00	139200	50.00	17.76	51.31	0.00	0.00	0.00	32	106	0	0	0	16854	20249	669	0	15462	-3395
1392+50	139250	50.00	18.72	46.5	0.00	0.00	0.00	34	91	0	0	0	16888	20340	669	0	15462	-3452
1393+00	139300	50.00	19.42	43.47	0.00	0.00	0.00	35	83	0	0	0	16923	20423	669	0	15462	-3500
1393+50	139350	50.00	20.37	40.23	0.00	0.00	0.00	37	78	0	0	0	16960	20500	669	0	15462	-3541
1394+00	139400	50.00	21.53	34.27	0.00	0.00	0.00	39	69	0	0	0	16999	20569	669	0	15462	-3571
1394+50	139450	50.00	22.09	28.98	0.00	0.00	0.00	40	59	0	0	0	17039	20628	669	0	15462	-3589
1395+00	139500	50.00	22.17	25.88	0.00	0.00	0.00	41	51	0	0	0	17080	20679	669	0	15462	-3599
1395+50	139550	50.00	20.87	26.11	0.00	0.00	0.00	40	48	0	0	0	17120	20727	669	0	15462	-3607
1396+00	139600	50.00	20.35	23.26	0.00	0.00	0.00	38	46	0	0	0	17158	20773	669	0	15462	-3615
1396+50	139650	50.00	20.35	20.77	0.00	0.00	0.00	38	41	0	0	0	17196	20813	669	0	15462	-3618
1397+00	139700	50.00	21.50	11.17	0.00	0.00	0.00	39	30	0	0	0	17234	20843	669	0	15462	-3609
1397+50	139750	50.00	21.93	7.77	0.00	0.00	0.00	40	18	0	0	0	17275	20861	669	0	15462	-3586
1398+00	139800	50.00	27.79	3.37	0.00	0.00	0.00	46	10	0	0	0	17321	20871	669	0	15462	-3550
1398+50	139850	50.00	27.88	2.72	0.00	0.00	0.00	52	6	0	0	0	17372	20876	669	0	15462	-3504
1399+00	139900	50.00	28.26	4.68	0.00	0.00	0.00	52	7	0	0	0	17424	20883	669	0	15462	-3459
1399+50	139950	50.00	37.44	3.58	0.00	0.00	0.00	61	8	0	0	0	17485	20891	669	0	15462	-3406
1400+00	140000	50.00	38.08	3.31	0.00	0.00	0.00	70	6	0	0	0	17555	20897	669	0	15462	-3342
1400+50	140050	50.00	38.30	4.61	8.26	0.00	0.00	71	7	8	0	0	17626	20905	676	0	15462	-3279
1401+00	140100	50.00	36.65	14.35	14.24	0.00	0.00	69	18	21	0	0	17695	20922	697	0	15462	-3227
1401+50	140150	50.00	37.35	15.49	16.08	0.00	0.00	69	28	28	0	0	17764	20950	725	0	15462	-3186
1402+00	140200	50.00	36.26	19.17	15.61	0.00	0.00	68	32	29	0	0	17832	20982	754	0	15462	-3150
1402+50	140250	50.00	37.79	20.85	26.99	0.00	0.00	69	37	39	0	0	17900	21019	794	0	15462	-3119
1403+00	140300	50.00	30.51	28.94	5.04	0.00	0.00	63	46	30	0	0	17964	21065	824	0	15462	-3102
1403+50	140350	50.00	30.77	39.06	5.13	0.00	0.00	57	63	9	0	0	18020	21128	833	0	15462	-3108
1404+00	140400	50.00	29.62	49.12	9.04	0.00	0.00	56	82	13	0	0	18076	21210	846	0	15462	-3134
1404+50	140450	50.00	28.16	59.22	10.31	0.00	0.00	54	100	18	0	0	18130	21310	864	0	15462	-3180
1405+00	140500	50.00	27.53	71.01	8.50	0.00	0.00	52	121	17	0	0	18181	21431	881	0	15462	-3249
1405+50	140550	50.00	27.80	73.99	12.88	0.00	0.00	51	134	20	0	0	18232	21565	901	0	15462	-3332
1406+00	140600	50.00	27.78	76.99	10.59	0.00	0.00	51	140	22	0	0	18284	21705	923	0	15462	-3421
1406+50	140650	50.00	27.98	82.45	21.63	0.00	0.00	52	148	30	0	0	18336	21852	953	0	15462	-3517
1407+00	140700	50.00	27.80	80.51	76.53	0.00	0.00	52	151	91	0	0	18387	22003	1044	0	15462	-3616
1407+50	140750	50.00	28.34	87.05	16.27	0.00	0.00	52	155	86	0	0	18439	22158	1130	0	15462	-3719
1408+00	140800	50.00	29.66	87.04	15.30	0.00	0.00	54	161	29	0	0	18493	22320	1159	0	15462	-3827
1408+50	140850	50.00	31.23	82.03	16.47	0.00	0.00	56	157	29	0	0	18549	22476	1188	0	15462	-3927
1409+00	140900	50.00	22.64	81.6	0.00	0.00	0.00	50	152	15	0	0	18599	22628	1204	0	15462	-4028
1409+50	140950	50.00	21.93	81.4	0.00	0.00	0.00	41	151	0	0	0	18640	22779	1204	0	15462	-4138
1410+00	141000	50.00	21.52	82.15	0.00	0.00	0.00	40	151	0	0	0	18681	22930	1204	0	15462	-4249
1410+50	141050	50.00	21.26	80.72	0.00	0.00	0.00	40	151	0	0	0	18720	23081	1204	0	15462	-4361
1411+00	141100	50.00	20.75	80.73	0.00	0.00	0.00	39	149	0	0	0	18759	23230	1204	0	15462	-4471
1411+50	141150	50.00	19.98	79.1	0.00	0.00	0.00	38	148	0	0	0	18797	23378	1204	0	15462	-4581
1412+00	141200	50.00	20.15	74.55	0.00	0.00	0.00	37	142	0	0	0	18834	23521	1204	0	15462	-4686
1412+50	141250	50.00	19.23	79.51	0.00	0.00	0.00	36	143	0	0	0	18870	23663	1204	0	15462	-4793
1413+00	141300	50.00	19.64	80.31	0.00	0.00	0.00	36	148	0	0	0	18906	23811	1204	0	15462	-4905
1413+50	141350	50.00	19.28	90.99	0.00	0.00	0.00	36	159	0	0	0	18943	23970	1204	0	15462	-5027
1414+00	141400	50.00	17.88	104.42	0.00	0.00	0.00	34	181	0	0	0	18977	24151	1204	0	15462	-5174
1414+50	141450	50.00	18.21	121.12	0.00	0.00	0.00	33	209	0	0	0	19010	24360	1204	0	15462	-5349
1415+00	141500	50.00	17.78	144.94	0.00	0.00	0.00	33	246	0	0	0	19044	24606	1204	0	15462	-5562
1415+50	141550	50.00	18.15	159.75	0.00	0.00	0.00	33	282	0	0	0	19077	24888	1204	0	15462	-5811
1416+00	141600	50.00	17.31	163.57	0.00	0.00	0.00	33	299	0	0	0	19110	25187	1204	0	15462	-6078
1416+50	141650	50.00	17.64	160.52	0.00	0.00	0.00	32	300	0	0	0	19142	25487	1204	0	15462	-6345
1416+76	141676.478	26.48	17.78	174.55	0.00	0.00	0.00	17	164	0	0	0	19159	25652	1204	0	15462	-6492
1417+00	141700	23.52	17.77	151.52	0.00	0.00	0.00	15	142	0	0	0	19175	25794	1204	0	15462	-6619
1417+50	141750	50.00	17.82	155.14	0.00	0.00	0.00	33	284	0	0	0	19208	26078	1204	0	15462	-6870
1418+00	141800	50.00	17.47	165.66	0.00	0.00	0.00	33	297	0	0	0	19241	26375	1204	0	15462	-7134
1418+50	141850	50.00	19.54	166.76	0.00	0.00	0.00	34	308	0	0	0	19275	26683	1204	0	15462	-7408
1419+00	141900	50.00	20.43	158.79	0.00	0.00	0.00	37	301	0	0	0	19312	26984	1204	0	15462	-7672
1419+35	141935.396	35.40	21.04	158.72	0.00	0.00	0.00	27	208	0	0	0	19339	27192	1204	0	15462	-7853
1419+50	141950	14.60	21.00	160.11	0.00	0.00	0.00	11	86	0	0	0	19350	27278	1204	0	15462	-7928
1420+00	142000	50.00	21.16	166.21	0.00	0.00	0.00	39	302	0	0	0	19389	27580	1204	0	15462	-8191
1420+50	142050	50.00	20.42	164.15	0.00	0.00	0.00	39	306	0	0	0	19428	27886	1204	0	15462	-8458
1421+00	142100	50.00	19.24	157.51	0.00	0.00	0.00	37	298	0	0	0	19465	28184	1204	0	15462	-8720
1421+50	142150	50.00	17.92	125.94	0.00	0.00	0.00	34	262	0	0	0	19499	28447	1204	0	15462	-8948

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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	
1422+00	142200	50.00	16.95	97.37	0.00	0.00	0.00	65	414	0	0	0	19564	28860	1204	0	15462	-9297
1422+50	142250	50.00	18.59	67.7	0.00	0.00	0.00	33	153	0	0	0	19597	29013	1204	0	15462	-9416
1423+00	142300	50.00	40.30	25.07	0.00	0.00	0.00	55	86	0	0	0	19651	29099	1204	0	15462	-9448
1423+50	142350	50.00	78.95	12.21	0.00	0.00	0.00	110	35	0	0	0	19762	29133	1204	0	15462	-9372
1424+00	142400	50.00	109.35	8.95	0.00	0.00	0.00	174	20	0	0	0	19936	29153	1204	0	15462	-9217
1424+50	142450	50.00	139.46	8.72	0.00	0.00	0.00	230	16	0	0	0	20166	29169	1204	0	15462	-9003
1425+00	142500	50.00	163.76	9.95	0.00	0.00	0.00	281	17	0	0	0	20447	29187	1204	0	15462	-8740
1425+50	142550	50.00	186.19	7.59	0.00	0.00	0.00	324	16	0	0	0	20771	29203	1204	0	15462	-8432
1426+00	142600	50.00	205.52	4.54	0.00	0.00	0.00	363	11	0	0	0	21134	29214	1204	0	15462	-8080
1426+50	142650	50.00	208.98	3.31	0.00	0.00	0.00	384	7	0	0	0	21518	29221	1204	0	15462	-7704
1427+00	142700	50.00	188.29	4.73	0.00	0.00	0.00	368	7	0	0	0	21885	29229	1204	0	15462	-7344
1427+50	142750	50.00	170.55	7.2	0.00	0.00	0.00	332	11	0	0	0	22218	29240	1204	0	15462	-7022
1428+00	142800	50.00	132.19	9.91	0.00	0.00	0.00	280	16	0	0	0	22498	29256	1204	0	15462	-6758
1428+50	142850	50.00	94.48	13.34	0.00	0.00	0.00	210	22	0	0	0	22708	29277	1204	0	15462	-6569
1429+00	142900	50.00	51.14	15.45	0.00	0.00	0.00	135	27	0	0	0	22843	29304	1204	0	15462	-6461
1429+50	142950	50.00	25.10	25.91	0.00	0.00	0.00	71	38	0	0	0	22913	29342	1204	0	15462	-6429
1429+62	142961.861	11.86	25.08	27	0.00	0.00	0.00	11	12	0	0	0	22924	29354	1204	0	15462	-6430
1430+00	143000	38.14	20.72	23.6	0.00	0.00	0.00	32	36	0	0	0	22957	29390	1204	0	15462	-6433
1430+50	143050	50.00	21.57	22.85	0.00	0.00	0.00	39	43	0	0	0	22996	29433	1204	0	15462	-6437
1431+00	143100	50.00	22.50	22.6	0.00	0.00	0.00	41	42	0	0	0	23037	29475	1204	0	15462	-6438
1431+50	143150	50.00	23.07	21.2	0.00	0.00	0.00	42	41	0	0	0	23079	29515	1204	0	15462	-6436
1432+00	143200	50.00	23.45	19.33	0.00	0.00	0.00	43	38	0	0	0	23122	29553	1204	0	15462	-6431
1432+50	143250	50.00	24.37	15.49	0.00	0.00	0.00	44	32	0	0	0	23166	29585	1204	0	15462	-6419
1433+00	143300	50.00	24.35	13.17	0.00	0.00	0.00	45	27	0	0	0	23211	29612	1204	0	15462	-6400
1433+50	143350	50.00	30.10	3.04	0.00	0.00	0.00	50	15	0	0	0	23262	29627	1204	0	15462	-6365
1434+00	143400	50.00	57.73	0	0.00	0.00	0.00	81	3	0	0	0	23343	29629	1204	0	15462	-6286
1434+50	143450	50.00	22.90	9.19	0.00	0.00	0.00	75	9	0	0	0	23418	29638	1204	0	15462	-6220
1435+00	143500	50.00	21.77	9.74	0.00	0.00	0.00	41	18	0	0	0	23459	29655	1204	0	15462	-6196
1435+50	143550	50.00	23.71	9.45	0.00	0.00	0.00	42	18	0	0	0	23501	29673	1204	0	15462	-6172
1436+00	143600	50.00	33.73	7.67	0.00	0.00	0.00	53	16	0	0	0	23554	29689	1204	0	15462	-6135
1436+50	143650	50.00	35.73	6.89	0.00	0.00	0.00	64	13	0	0	0	23619	29703	1204	0	15462	-6084
1437+00	143700	50.00	29.78	10.06	0.00	0.00	0.00	61	16	0	0	0	23679	29718	1204	0	15462	-6039
1437+50	143750	50.00	30.62	9.81	0.00	0.00	0.00	56	18	0	0	0	23735	29737	1204	0	15462	-6001
1438+00	143800	50.00	37.85	6.53	0.00	0.00	0.00	63	15	0	0	0	23799	29752	1204	0	15462	-5953
1438+50	143850	50.00	48.40	0	0.00	0.00	0.00	80	6	0	0	0	23878	29758	1204	0	15462	-5879
1439+00	143900	50.00	43.82	0.02	0.00	0.00	0.00	85	0	0	0	0	23964	29758	1204	0	15462	-5794
1439+38	143937.782	37.78	50.18	3.29	0.00	0.00	0.00	66	2	0	0	0	24030	29760	1204	0	15462	-5731
1439+50	143950	12.22	57.22	0	0.00	0.00	0.00	24	1	0	0	0	24054	29761	1204	0	15462	-5707
1439+91 BK	143991.475	41.48	0.00	0	0.00	0.00	0.00	44	0	0	0	0	24098	29761	1204	0	15462	-5663
1442+42 AH	144242.296	0.00	35.01	0	0.00	0.00	0.00	0	0	0	0	0	24098	29761	1204	0	15462	-5663
1442+50	144250	7.70	34.54	0.03	0.00	0.00	0.00	10	0	0	0	0	24108	29761	1204	0	15462	-5653
1443+00	144300	50.00	34.19	3.05	0.00	0.00	0.00	64	3	0	0	0	24171	29764	1204	0	15462	-5592
1443+50	144350	50.00	34.43	4.14	0.00	0.00	0.00	64	7	0	0	0	24235	29770	1204	0	15462	-5535
1444+00	144400	50.00	33.57	3.81	0.00	0.00	0.00	63	7	0	0	0	24298	29778	1204	0	15462	-5480
1444+50	144450	50.00	32.77	3.66	0.00	0.00	0.00	61	7	0	0	0	24359	29785	1204	0	15462	-5425
1445+00	144500	50.00	36.41	2.16	0.00	0.00	0.00	64	5	0	0	0	24423	29790	1204	0	15462	-5367
1445+50	144550	50.00	39.14	0.84	0.00	0.00	0.00	70	3	0	0	0	24493	29793	1204	0	15462	-5299
1446+00	144600	50.00	38.03	1.71	0.00	0.00	0.00	71	2	0	0	0	24565	29795	1204	0	15462	-5230
1446+50	144650	50.00	36.22	0.42	0.00	0.00	0.00	69	2	0	0	0	24634	29797	1204	0	15462	-5164
1447+00	144700	50.00	33.35	0	0.00	0.00	0.00	64	0	0	0	0	24698	29798	1204	0	15462	-5100
1447+50	144750	50.00	33.22	0	0.00	0.00	0.00	62	0	0	0	0	24760	29798	1204	0	15462	-5038
1448+00	144800	50.00	32.60	0	0.00	0.00	0.00	61	0	0	0	0	24821	29798	1204	0	15462	-4977
1448+50	144850	50.00	32.74	0.18	0.00	0.00	0.00	61	0	0	0	0	24881	29798	1204	0	15462	-4917
1449+00	144900	50.00	32.30	0.92	0.00	0.00	0.00	60	1	0	0	0	24941	29799	1204	0	15462	-4857
1449+50	144950	50.00	30.65	1.38	0.00	0.00	0.00	58	2	0	0	0	25000	29801	1204	0	15462	-4801
1450+00	145000	50.00	28.56	3.12	0.00	0.00	0.00	55	4	0	0	0	25054	29805	1204	0	15462	-4751
1450+37	145036.59	36.59	29.26	4.57	0.00	0.00	0.00	39	5	0	0	0	25094	29810	1204	0	15462	-4717
1450+50	145050	13.41	31.98	3.91	0.00	0.00	0.00	15	2	0	0	0	25109	29812	1204	0	15462	-4704
1451+00	145100	50.00	69.27	0	0.00	0.00	0.00	94	4	0	0	0	25203	29816	1204	0	15462	-4613
1451+50	145150	50.00	78.86	0	0.00	0.00	0.00	137	0	0	0	0	25340	29816	1204	0	15462	-4476
1451+65 BK	145164.978	14.98	58.12	0	0.00	0.00	0.00	38	0	0	0	0	25378	29816	1204	0	15462	-4438
1452+86 AH	145286.437	0.00	0.00	0	0.00	0.00	0.00	0	0	0	0	0	25378	29816	1204	0	15462	-4438
1453+00	145300	13.56	86.34	0	0.00	0.00	0.00	22	0	0	0	0	25399	29816	1204	0	15462	-4417

PROJECT ID 1007-10-84

STAGE 2 - SB IH 39 MEDIAN

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	
1453+50	145350	50.00	85.20	0	0.00	0.00	0.00	318	0	0	0	0	25717	29816	1204	0	15462	-4099
1454+00	145400	50.00	63.78	0	0.00	0.00	0.00	138	0	0	0	0	25855	29816	1204	0	15462	-3961
1454+36	145436.197	36.20	34.59	3.63	0.00	0.00	0.00	66	2	0	0	0	25921	29818	1204	0	15462	-3897
1454+50	145450	13.80	26.78	8.46	0.00	0.00	0.00	16	3	0	0	0	25937	29822	1204	0	15462	-3885
1455+00	145500	50.00	22.24	13.18	0.00	0.00	0.00	45	20	0	0	0	25982	29842	1204	0	15462	-3860
1455+50	145550	50.00	20.63	12.73	0.00	0.00	0.00	40	24	0	0	0	26022	29866	1204	0	15462	-3844
1456+00	145600	50.00	21.09	9.81	0.00	0.00	0.00	39	21	0	0	0	26060	29886	1204	0	15462	-3826
1456+50	145650	50.00	21.51	7.08	0.00	0.00	0.00	39	16	0	0	0	26100	29902	1204	0	15462	-3802
1457+00	145700	50.00	21.34	6.39	0.00	0.00	0.00	40	12	0	0	0	26139	29915	1204	0	15462	-3775
1457+50	145750	50.00	20.30	7.43	0.00	0.00	0.00	39	13	0	0	0	26178	29927	1204	0	15462	-3749
1458+00	145800	50.00	20.29	8.64	0.00	0.00	0.00	38	15	0	0	0	26216	29942	1204	0	15462	-3727
1458+50	145850	50.00	20.39	10.25	0.00	0.00	0.00	38	17	0	0	0	26253	29960	1204	0	15462	-3706
1459+00	145900	50.00	19.99	12.1	0.00	0.00	0.00	37	21	0	0	0	26291	29980	1204	0	15462	-3690
1459+50	145950	50.00	20.17	14.17	0.00	0.00	0.00	37	24	0	0	0	26328	30005	1204	0	15462	-3677
1460+00	146000	50.00	19.63	18.83	0.00	0.00	0.00	37	31	0	0	0	26365	30035	1204	0	15462	-3671
1460+35	146035.181	35.18	20.46	23.27	0.00	0.00	0.00	26	27	0	0	0	26391	30063	1204	0	15462	-3672
1460+37	146037.193	2.01	20.59	23.63	0.00	0.00	0.00	2	2	0	0	0	26392	30064	1204	0	15462	-3672
1460+50	146050	12.81	18.55	25.76	0.00	0.00	0.00	9	12	0	0	0	26402	30076	1204	0	15462	-3675
1461+00	146100	50.00	18.57	31.61	0.00	0.00	0.00	34	53	0	0	0	26436	30129	1204	0	15462	-3693
1461+50	146150	50.00	18.37	33.74	0.00	0.00	0.00	34	61	0	0	0	26470	30190	1204	0	15462	-3720
1462+00	146200	50.00	18.77	34.93	0.00	0.00	0.00	34	64	0	0	0	26505	30253	1204	0	15462	-3749
1462+50	146250	50.00	19.19	33.03	0.00	0.00	0.00	35	63	0	0	0	26540	30316	1204	0	15462	-3777
1463+00	146300	50.00	19.68	28.18	0.00	0.00	0.00	36	57	0	0	0	26576	30373	1204	0	15462	-3797
1463+50	146350	50.00	21.45	23.46	0.00	0.00	0.00	38	48	0	0	0	26614	30421	1204	0	15462	-3807
1464+00	146400	50.00	21.73	19.45	0.00	0.00	0.00	40	40	0	0	0	26654	30461	1204	0	15462	-3807
1464+50	146450	50.00	22.54	14.82	0.00	0.00	0.00	41	32	0	0	0	26695	30492	1204	0	15462	-3797
1465+00	146500	50.00	24.11	10.49	0.00	0.00	0.00	43	23	0	0	0	26738	30516	1204	0	15462	-3778
1465+50	146550	50.00	26.48	7.47	0.00	0.00	0.00	47	17	0	0	0	26785	30532	1204	0	15462	-3747
1466+00	146600	50.00	28.42	6.34	0.00	0.00	0.00	51	13	0	0	0	26836	30545	1204	0	15462	-3709
1466+50	146650	50.00	28.81	5.38	0.00	0.00	0.00	53	11	0	0	0	26889	30556	1204	0	15462	-3667
1466+92 BK	146692.461	42.46	29.84	3.91	0.00	0.00	0.00	46	7	0	0	0	26935	30563	1204	0	15462	-3628
							COLUMN TOTALS	26935	30563	1204	0	15462						

PROJECT ID 1007-10-84
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
1466+92	AH	146691.68	0.00	38.19	4.88	0.00	0.00	0	0	0	0	0	0	0	0	0
1467+00		146700	8.32	38.48	4.54	0.00	0.00	12	1	0	0	12	1	0	0	10
1467+50		146750	50.00	40.47	3.69	0.00	0.00	73	8	0	0	85	9	0	0	76
1468+00		146800	50.00	40.80	3.80	0.00	0.00	75	7	0	0	160	16	0	0	144
1468+50		146850	50.00	40.23	3.86	0.00	0.00	75	7	0	0	235	23	0	0	212
1469+00		146900	50.00	38.94	3.57	0.00	0.00	73	7	0	0	308	30	0	0	279
1469+50		146950	50.00	35.99	3.20	0.00	0.00	69	6	0	0	378	36	0	0	342
1470+00		147000	50.00	35.32	1.94	0.00	0.00	66	5	0	0	444	41	0	0	403
1470+34		147034.309	34.31	33.56	5.73	0.00	0.00	44	5	0	0	488	46	0	0	442
1470+41		147040.821	6.51	32.90	7.14	0.00	0.00	8	2	0	0	496	47	0	0	448
1470+50		147050	9.18	31.62	7.51	0.00	0.00	11	2	0	0	507	50	0	0	457
1471+00		147100	50.00	28.76	11.23	0.00	0.00	56	17	0	0	563	67	0	0	495
1471+50		147150	50.00	29.35	10.24	0.00	0.00	54	20	0	0	616	87	0	0	529
1472+00		147200	50.00	33.09	8.87	0.00	0.00	58	18	0	0	674	105	0	0	569
1472+50		147250	50.00	39.44	10.69	0.00	0.00	67	18	0	0	741	123	0	0	618
1473+00		147300	50.00	47.84	12.80	0.00	0.00	81	22	0	0	822	145	0	0	677
1473+50		147350	50.00	38.72	13.34	0.00	0.00	80	24	0	0	902	169	0	0	733
1474+00		147400	50.00	40.50	15.63	0.00	0.00	73	27	0	0	976	196	0	0	780
1474+50		147450	50.00	48.88	15.46	0.00	0.00	83	29	0	0	1058	225	0	0	834
1475+00		147500	50.00	58.90	20.93	0.00	0.00	100	34	0	0	1158	258	0	0	900
1475+50		147550	50.00	58.25	23.21	0.00	0.00	108	41	0	0	1267	299	0	0	968
1476+00		147600	50.00	57.70	24.64	0.00	0.00	107	44	0	0	1374	343	0	0	1031
1476+50		147650	50.00	58.45	24.84	0.00	0.00	108	46	0	0	1482	389	0	0	1092
1477+00		147700	50.00	58.80	21.83	0.00	0.00	109	43	0	0	1590	432	0	0	1158
1477+50		147750	50.00	58.64	13.03	0.00	0.00	109	32	0	0	1699	465	0	0	1234
1478+00		147800	50.00	59.38	9.43	0.00	0.00	109	21	0	0	1808	485	0	0	1323
1478+50		147850	50.00	61.92	6.84	0.00	0.00	112	15	0	0	1920	501	0	0	1420
1479+00		147900	50.00	63.21	4.91	0.00	0.00	116	11	0	0	2036	511	0	0	1525
1479+50		147950	50.00	64.84	4.44	0.00	0.00	119	9	0	0	2155	520	0	0	1635
1480+00		148000	50.00	61.46	1.70	0.00	0.00	117	6	0	0	2272	526	0	0	1746
1480+50		148050	50.00	41.78	0.42	0.00	0.00	96	2	0	0	2367	528	0	0	1840
1481+00		148100	50.00	43.53	0.00	0.00	0.00	79	0	0	0	2446	528	0	0	1918
1481+50		148150	50.00	43.51	0.00	0.00	0.00	81	0	0	0	2527	528	0	0	1999
1482+00		148200	50.00	24.20	0.00	0.00	0.00	63	0	0	0	2590	528	0	0	2062
1482+37		148237.238	37.24	23.33	0.00	0.00	0.00	33	0	0	0	2623	528	0	0	2094
1482+50		148250	12.76	23.19	0.00	0.00	0.00	11	0	0	0	2633	528	0	0	2105
1482+68	BK	148268.29	18.29	23.05	0.00	0.00	0.00	16	0	0	0	2649	528	0	0	2121
							COLUMN TOTALS	2649	528	0	0					

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PROJECT ID 1007-10-84
STAGE 2 - CTH MN

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
47+72	AH	4772.42	0.00	9.56	0.49	0.00	0.00	0	0	0	0	0	0	0	0	0
47+75		4775	2.58	9.62	0.45	0.00	0.00	1	0	0	0	1	0	0	0	1
48+00		4800	25.00	10.23	0.22	0.00	0.00	9	0	0	0	10	0	0	0	10
48+25		4825	25.00	15.16	7.16	0.00	0.00	12	3	0	0	22	4	0	0	18
48+50		4850	25.00	16.02	0.52	0.00	0.00	14	4	0	0	36	7	0	0	29
48+75		4875	25.00	15.80	0.37	0.00	0.00	15	0	0	0	51	8	0	0	43
49+00		4900	25.00	16.96	0.13	0.00	0.00	15	0	0	0	66	8	0	0	58
49+25		4925	25.00	17.19	0.08	0.00	0.00	16	0	0	0	82	8	0	0	74
49+50		4950	25.00	17.52	0.06	0.00	0.00	16	0	0	0	98	8	0	0	90
49+75		4975	25.00	17.74	0.03	0.00	0.00	16	0	0	0	114	8	0	0	106
50+00		5000	25.00	17.94	0.02	0.00	0.00	17	0	0	0	131	8	0	0	123
50+25		5025	25.00	17.69	0.02	0.00	0.00	16	0	0	0	147	8	0	0	139
50+50		5050	25.00	16.50	0.42	0.00	0.00	16	0	0	0	163	8	0	0	155
50+75		5075	25.00	16.28	0.62	0.00	0.00	15	0	0	0	178	9	0	0	170
51+00		5100	25.00	16.48	0.95	0.00	0.00	15	1	0	0	194	10	0	0	184
51+25		5125	25.00	16.95	0.12	0.00	0.00	15	0	0	0	209	10	0	0	199
51+50		5150	25.00	17.23	0.22	0.00	0.00	16	0	0	0	225	10	0	0	215
51+75		5175	25.00	15.95	0.27	0.00	0.00	15	0	0	0	240	11	0	0	230
52+00		5200	25.00	15.76	0.33	0.00	0.00	15	0	0	0	255	11	0	0	244
52+25		5225	25.00	15.49	0.97	0.00	0.00	14	1	0	0	269	11	0	0	258
52+50		5250	25.00	10.47	0.4	0.00	0.00	12	1	0	0	281	12	0	0	269
52+75		5275	25.00	9.88	0.35	0.00	0.00	9	0	0	0	291	12	0	0	278
52+82	BK	5281.67	6.67	9.90	0.37	0.00	0.00	2	0	0	0	293	12	0	0	281
							COLUMN TOTALS	293	12	0	0					

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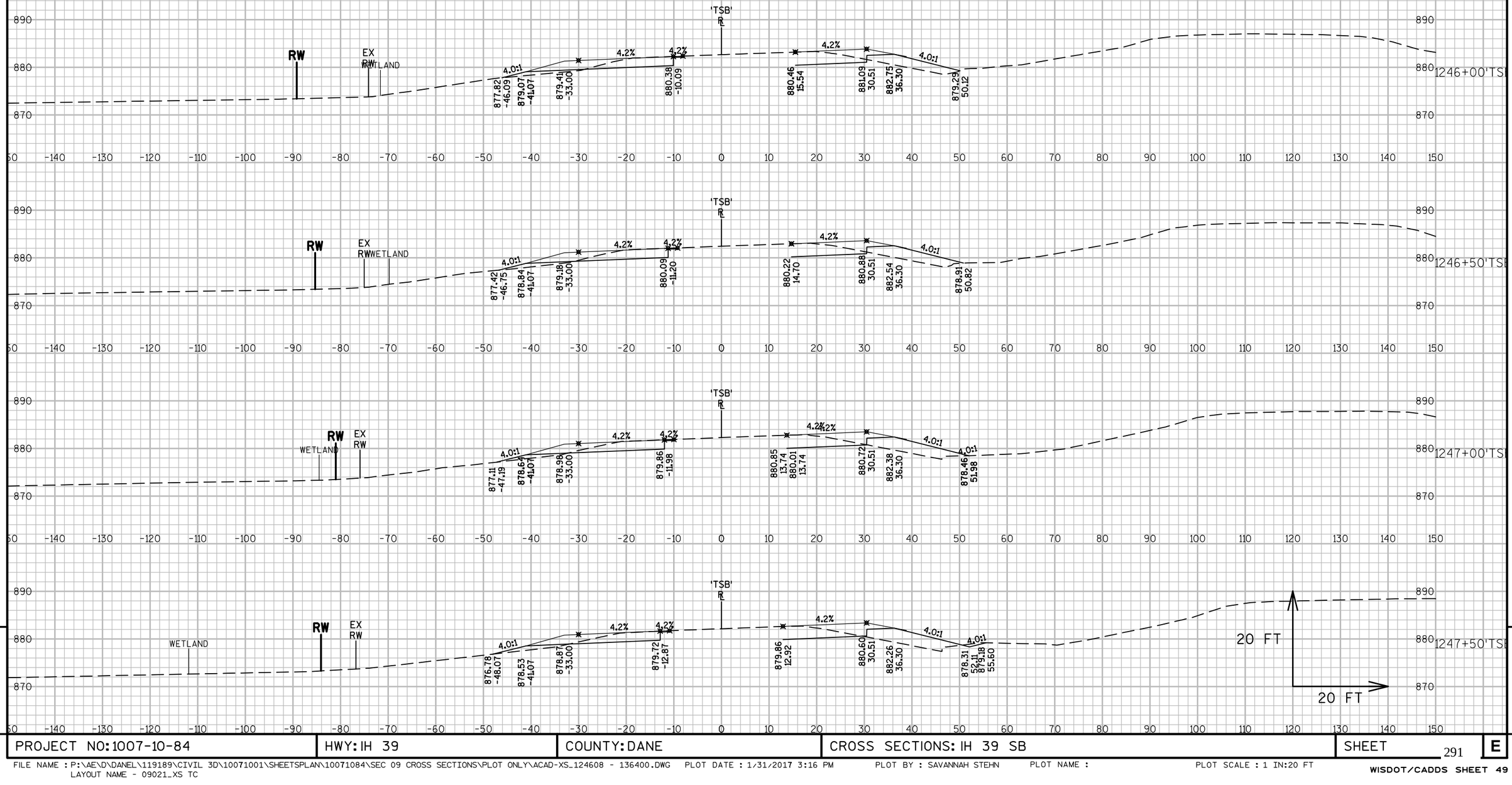
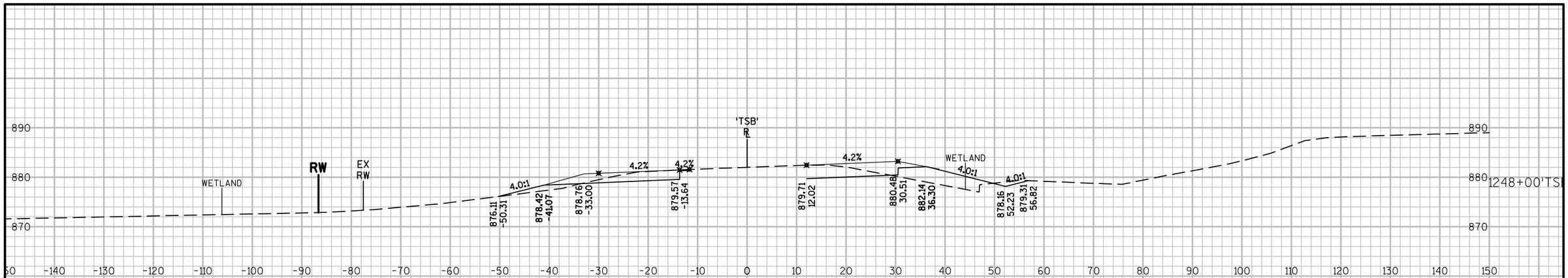
PROJECT NO: 1007-10-84 | HWY: IH 39 | COUNTY: DANE | COMPUTER EARTHWORK DATA | SHEET E

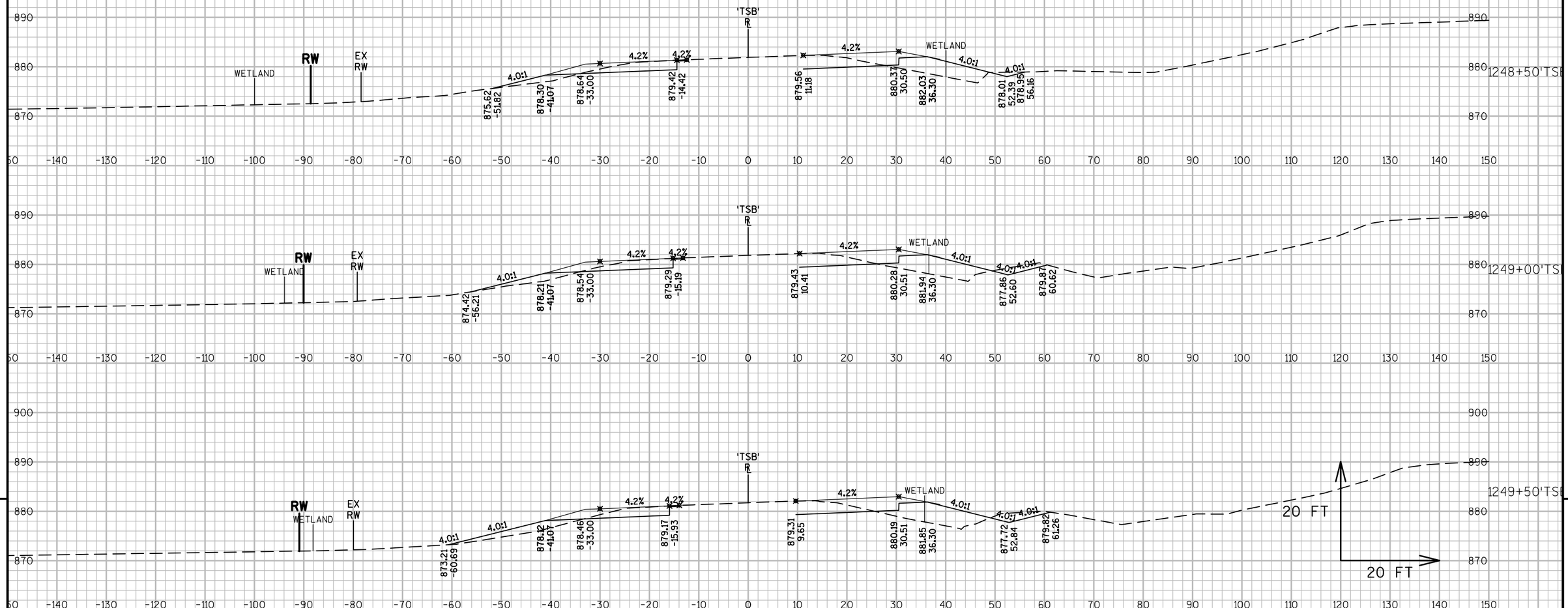
FILE NAME : P:\AE\D\DANEL\119189\Civil 3D\10071001\SheetsPlan\10071084\SEC 09 Computer Earthwork Data\090100_ew.dwg PLOT DATE : 3/3/2017 9:28 AM PLOT BY : SEH INC LAYOUT NAME : 090115_EW PLOT SCALE : NTS
WISDOT/CADDS SHEET 49

BEGIN CONSTRUCTION
STA 1246+00'TSB'



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 291	E

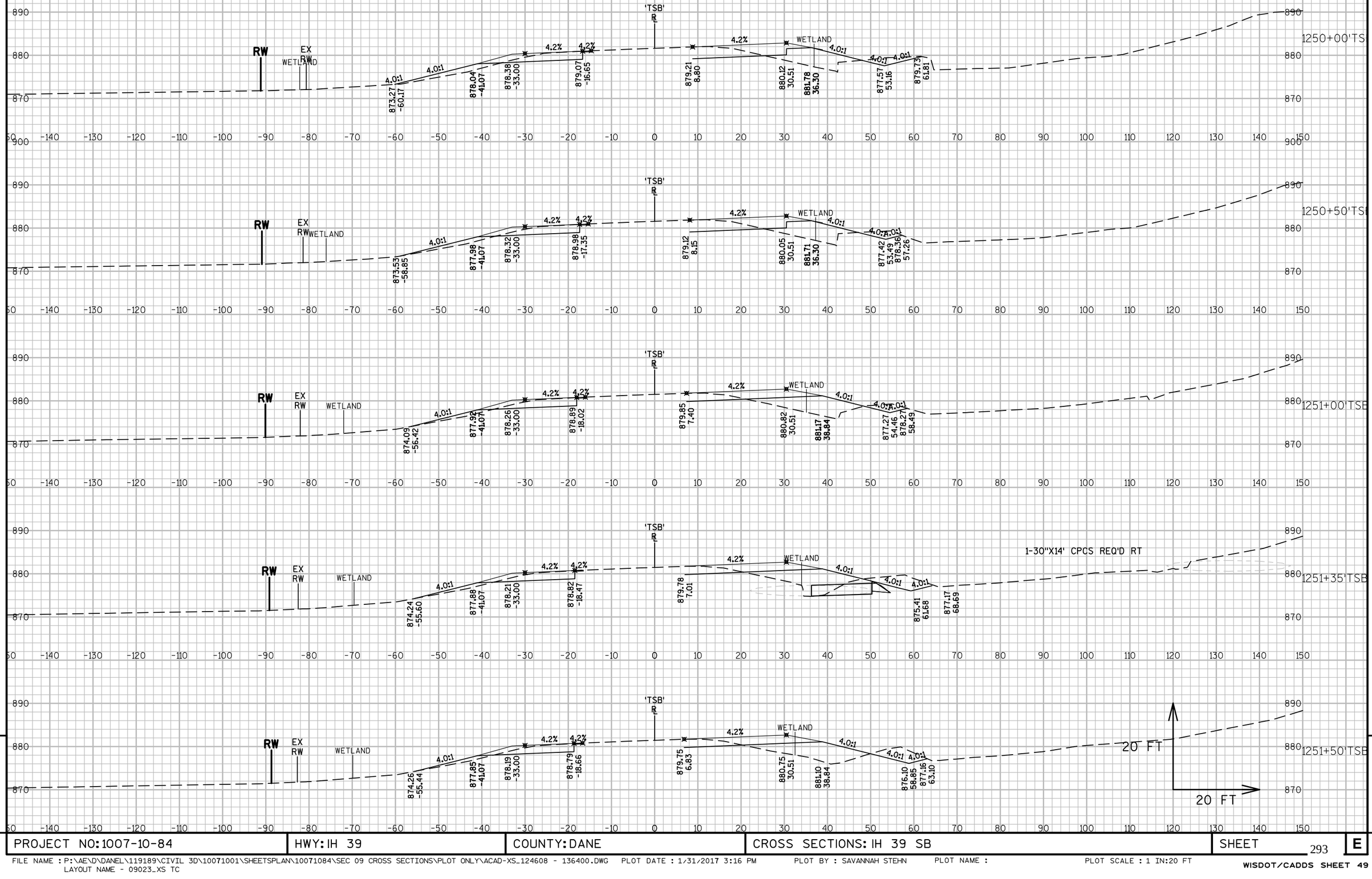




PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 292 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:16 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 09022_XS TC

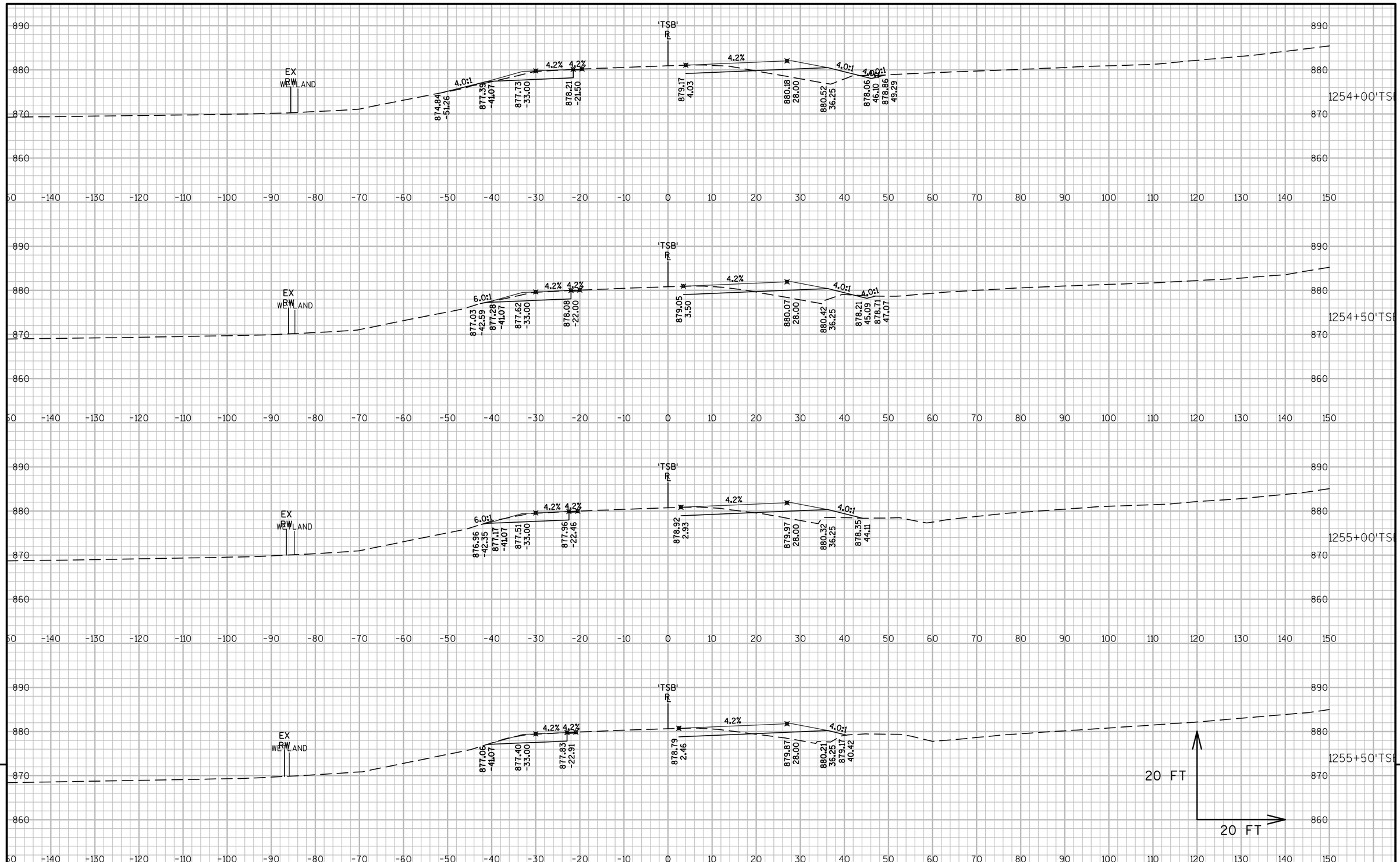
WISDOT/CADDS SHEET 49


1250+00'TS
RW
EX RW
WETLAND
'TSB'
4.0:1
4.2%
873.27 -60.17
878.04 -41.07
878.38 -33.00
879.07 -16.65
879.21 8.80
880.12 30.51
881.78 36.30
877.57 53.16
879.73 61.81
1250+50'TSB
873.53 -58.85
877.98 -41.07
878.32 -33.00
878.98 -17.35
879.12 8.15
880.05 30.51
881.71 36.30
877.42 53.49
878.36 57.26
1251+00'TSB
874.09 -56.42
877.92 -41.07
878.26 -33.00
878.89 -18.02
879.85 7.40
880.82 30.51
881.17 38.84
877.27 54.46
878.27 58.49
1251+35'TSB
1-30"X14" CPCS REQ'D RT
874.24 -55.60
877.88 -41.07
878.21 -33.00
878.82 -18.47
879.78 7.01
875.41 61.88
877.17 68.69
1251+50'TSB
20 FT
874.26 -55.44
877.85 -41.07
878.19 -33.00
878.79 -18.66
879.75 6.83
880.75 30.51
881.10 38.84
876.10 58.85
877.16 63.10

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 294	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:16 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 09024_XS TC

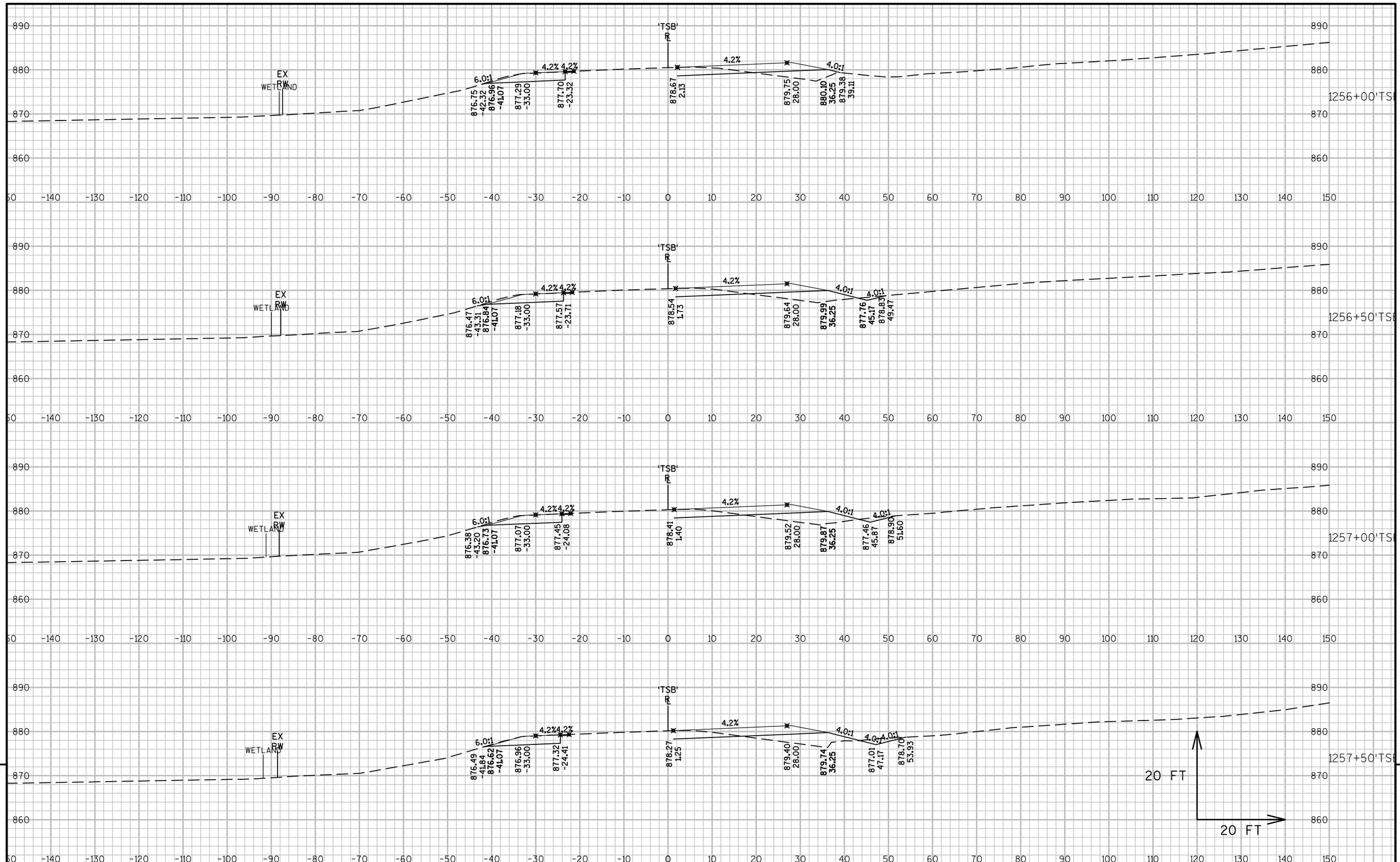
WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 295 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:16 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 09025_XS TC
WISDOT/CADDS SHEET 49



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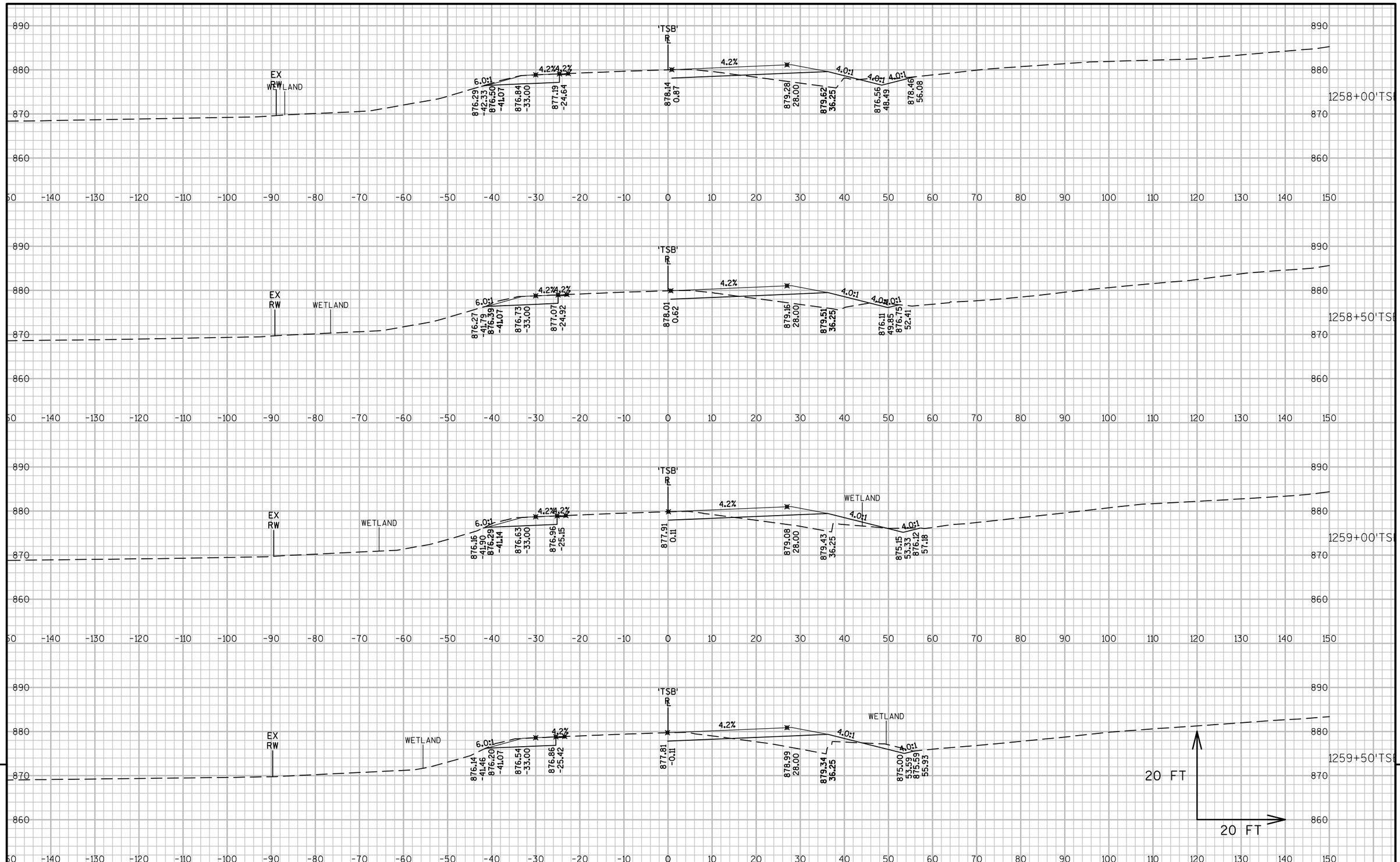
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 296	E

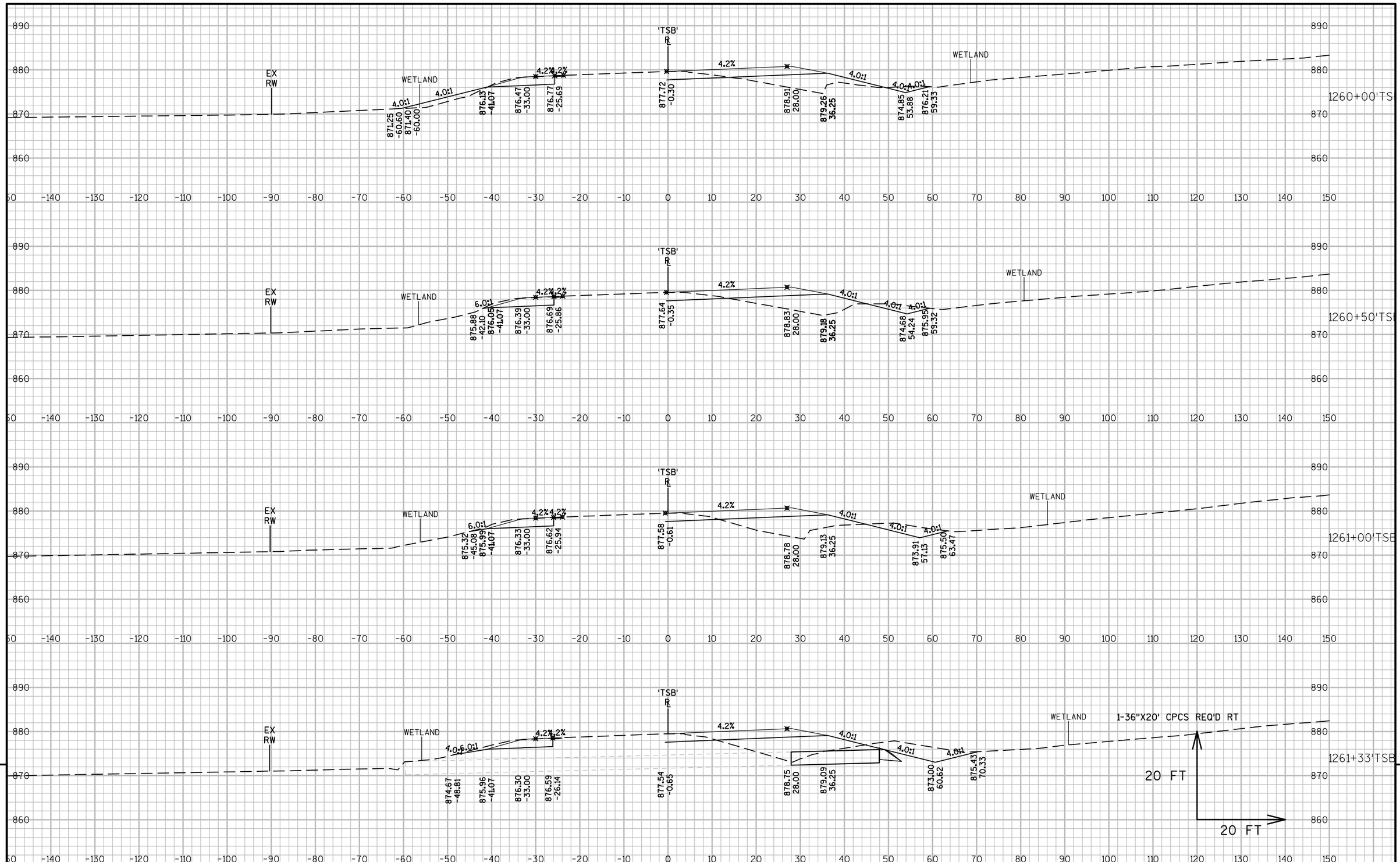
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:16 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 09026_XS TC
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 297 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:16 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 09027_XS TC

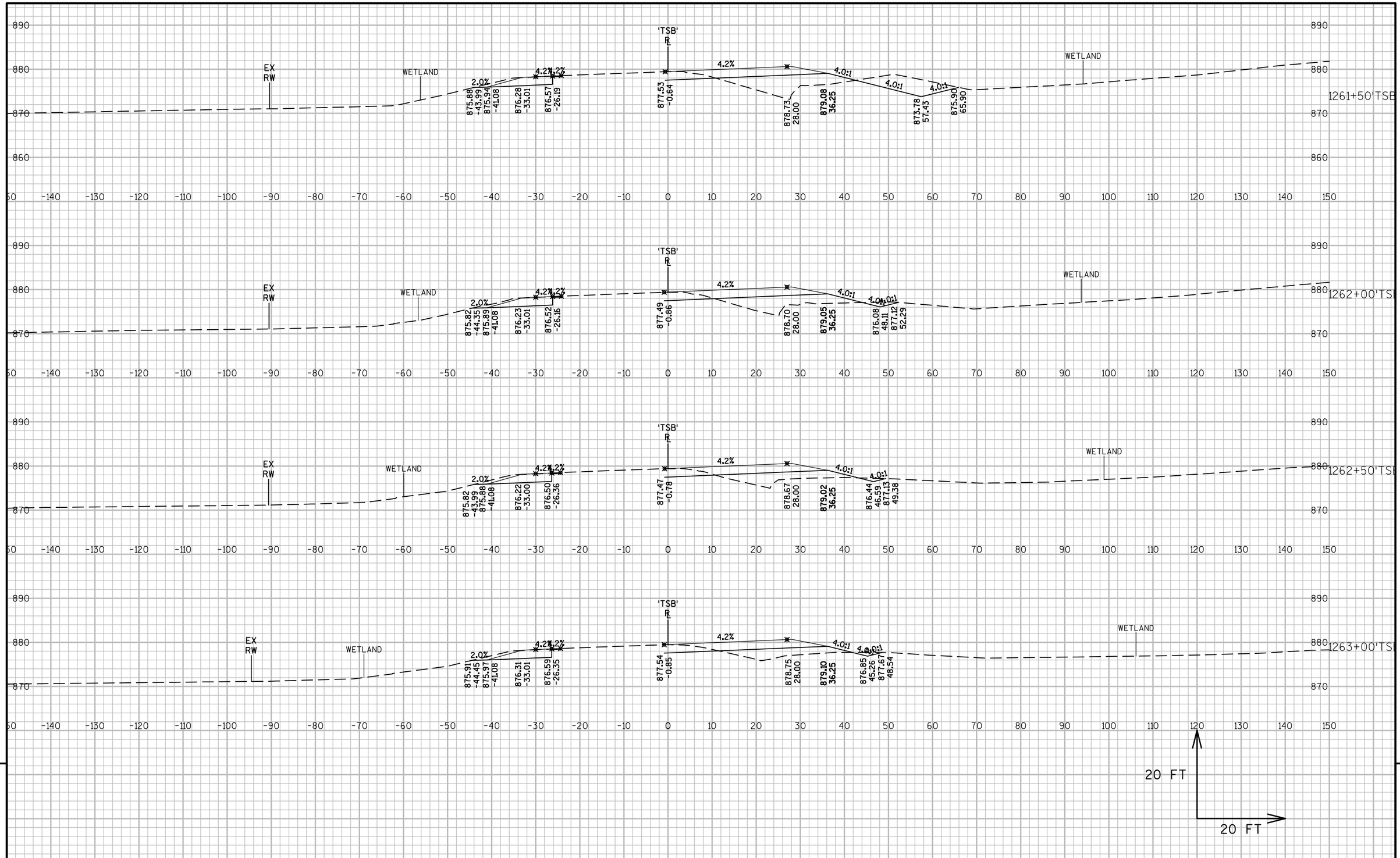
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 298 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:16 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 09028_XS TC

WISDOT/CADDS SHEET 49



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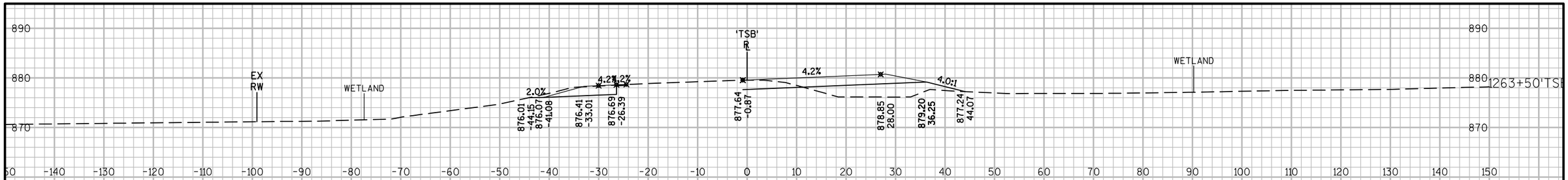
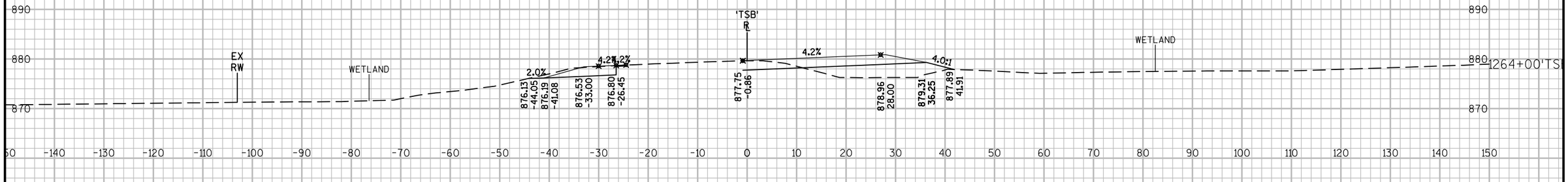
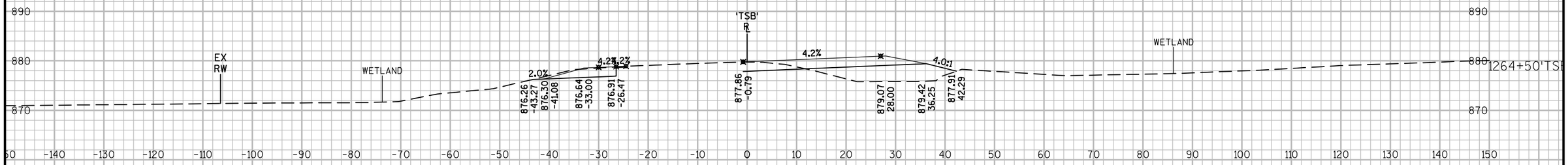
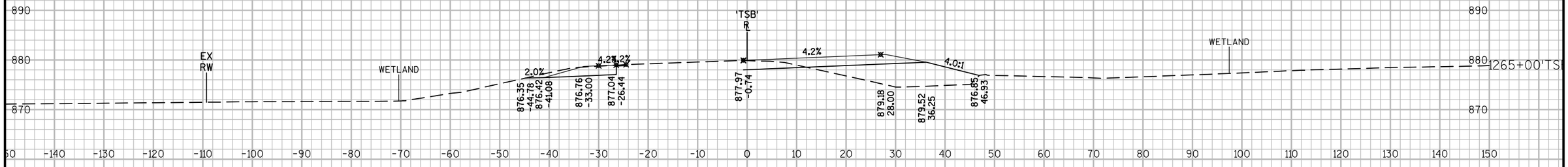
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 299	E

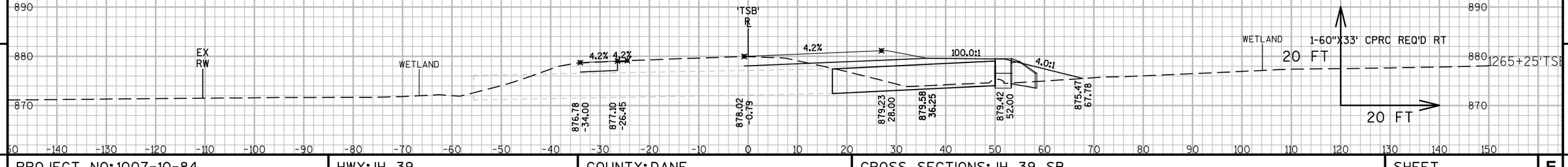
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:16 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 09029_XS TC











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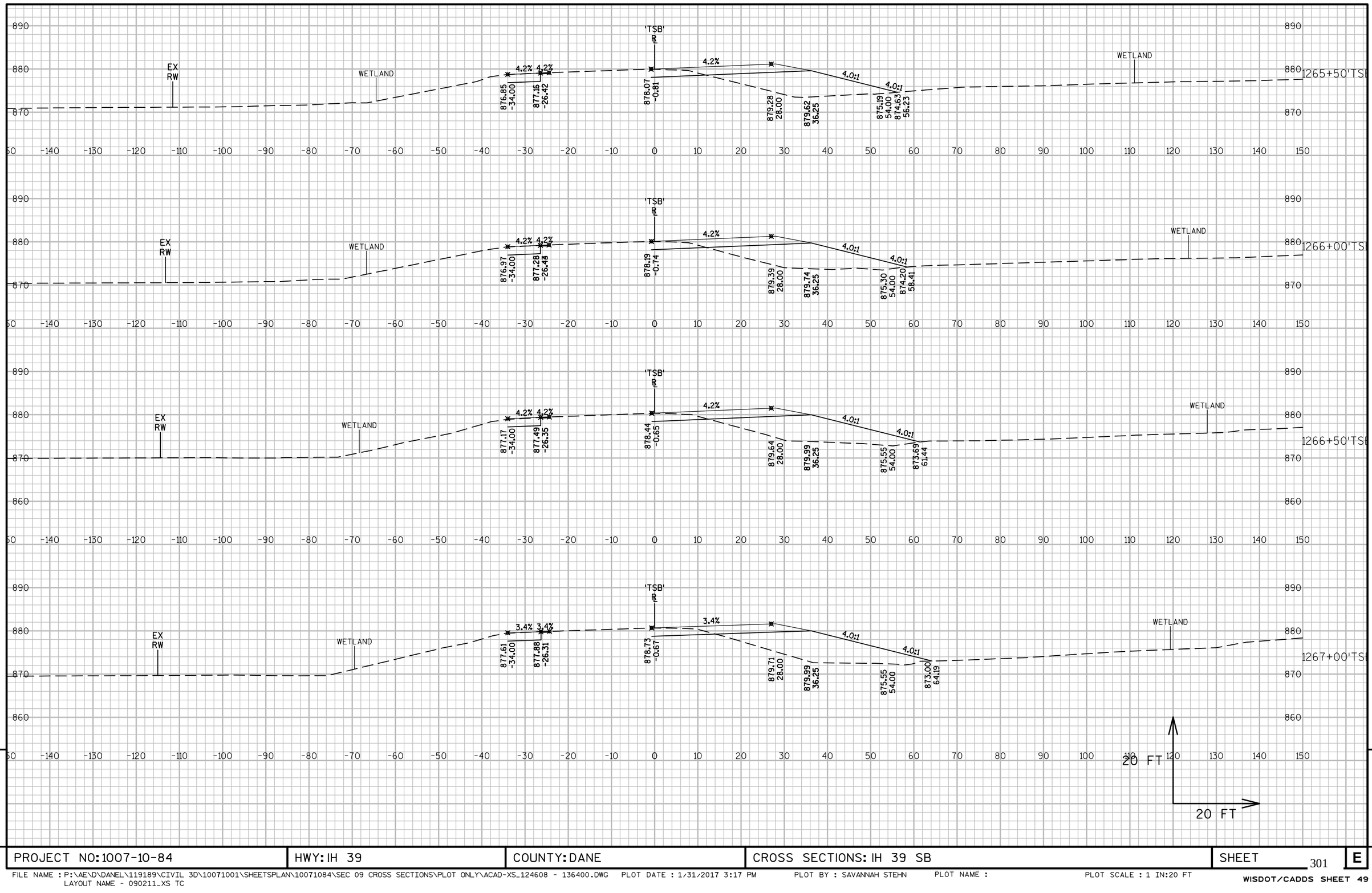
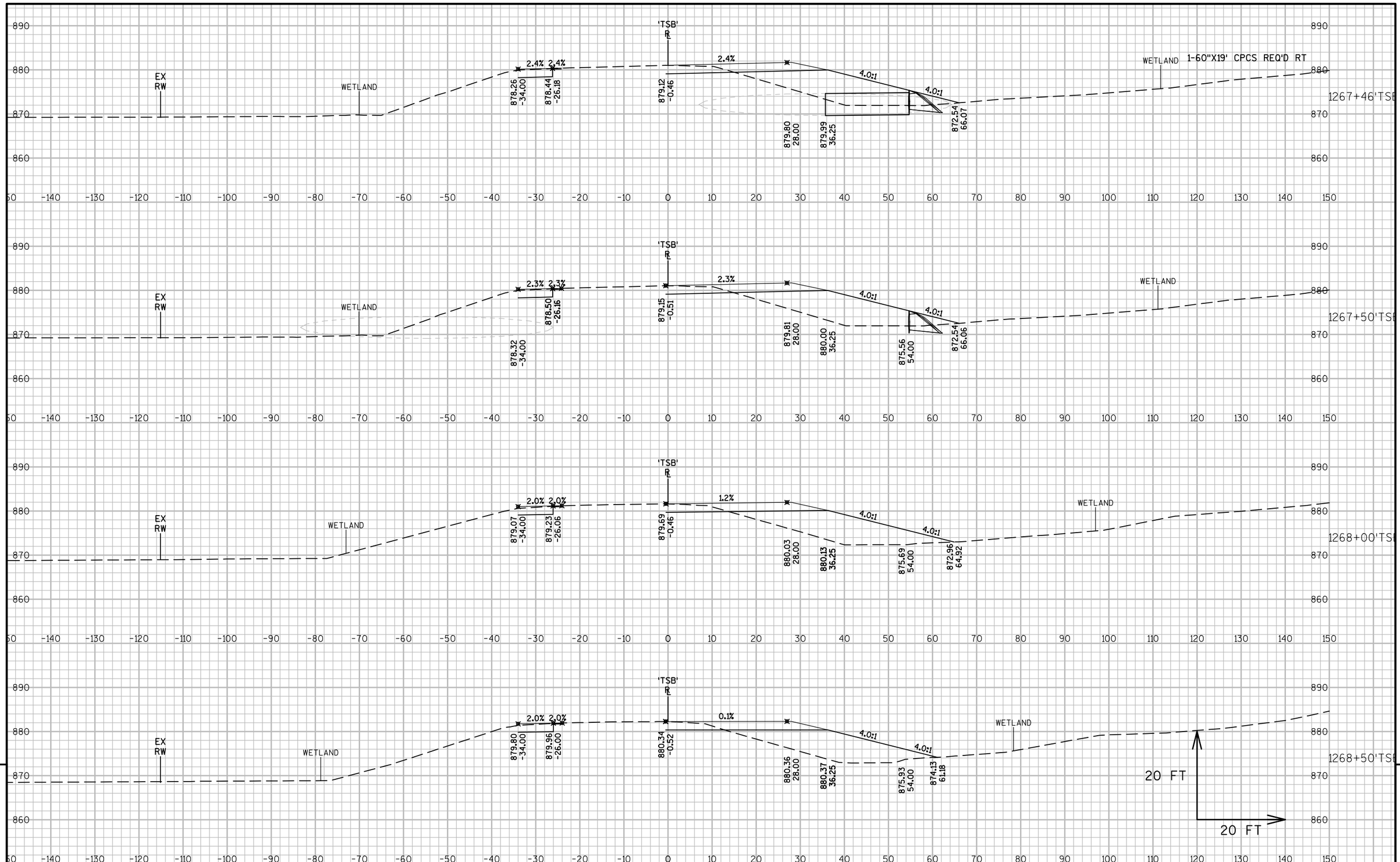
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 300	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:16 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090210_XS TC



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 301	E

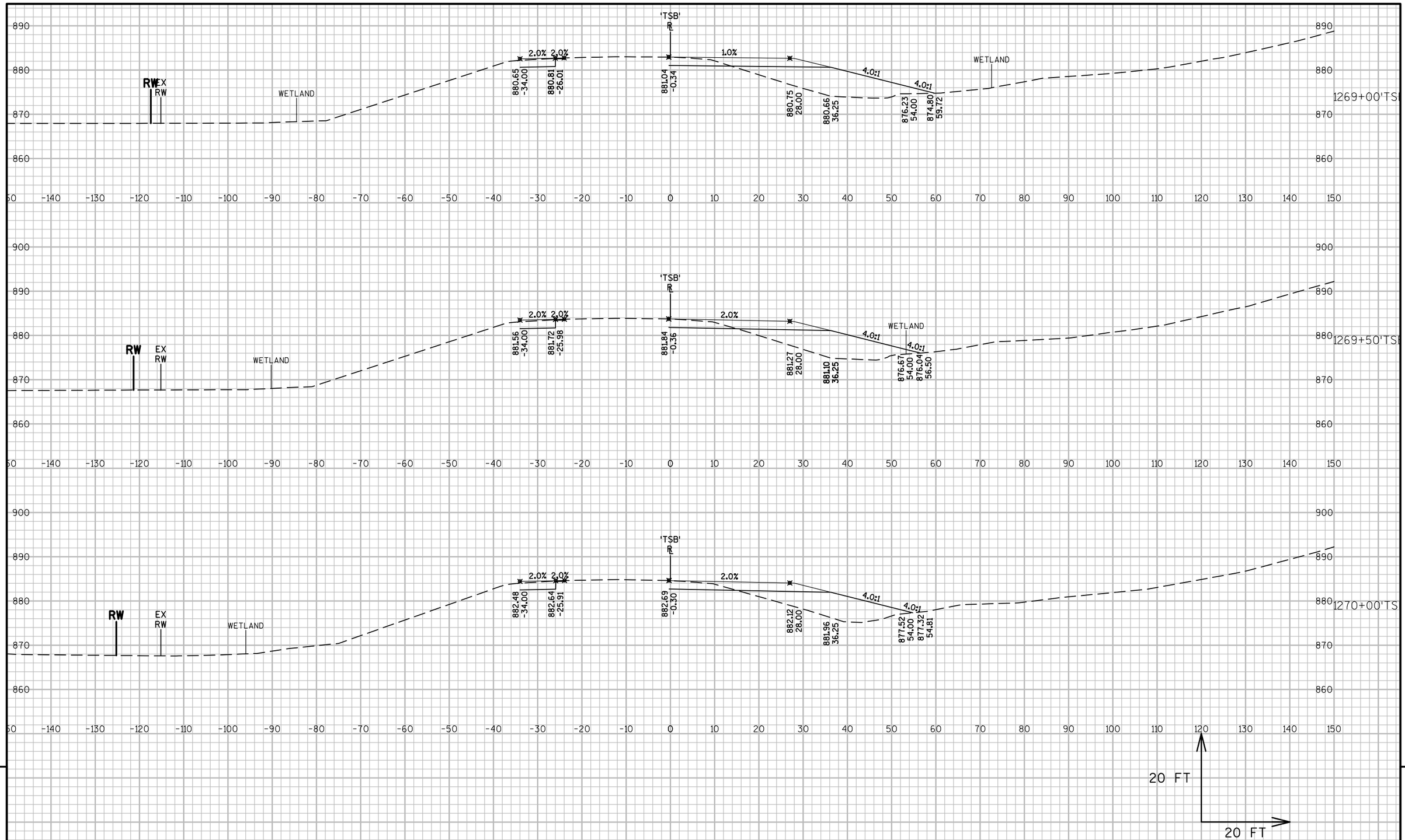
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090211_XS TC



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 302 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090212_XS TC

WISDOT/CADDS SHEET 49



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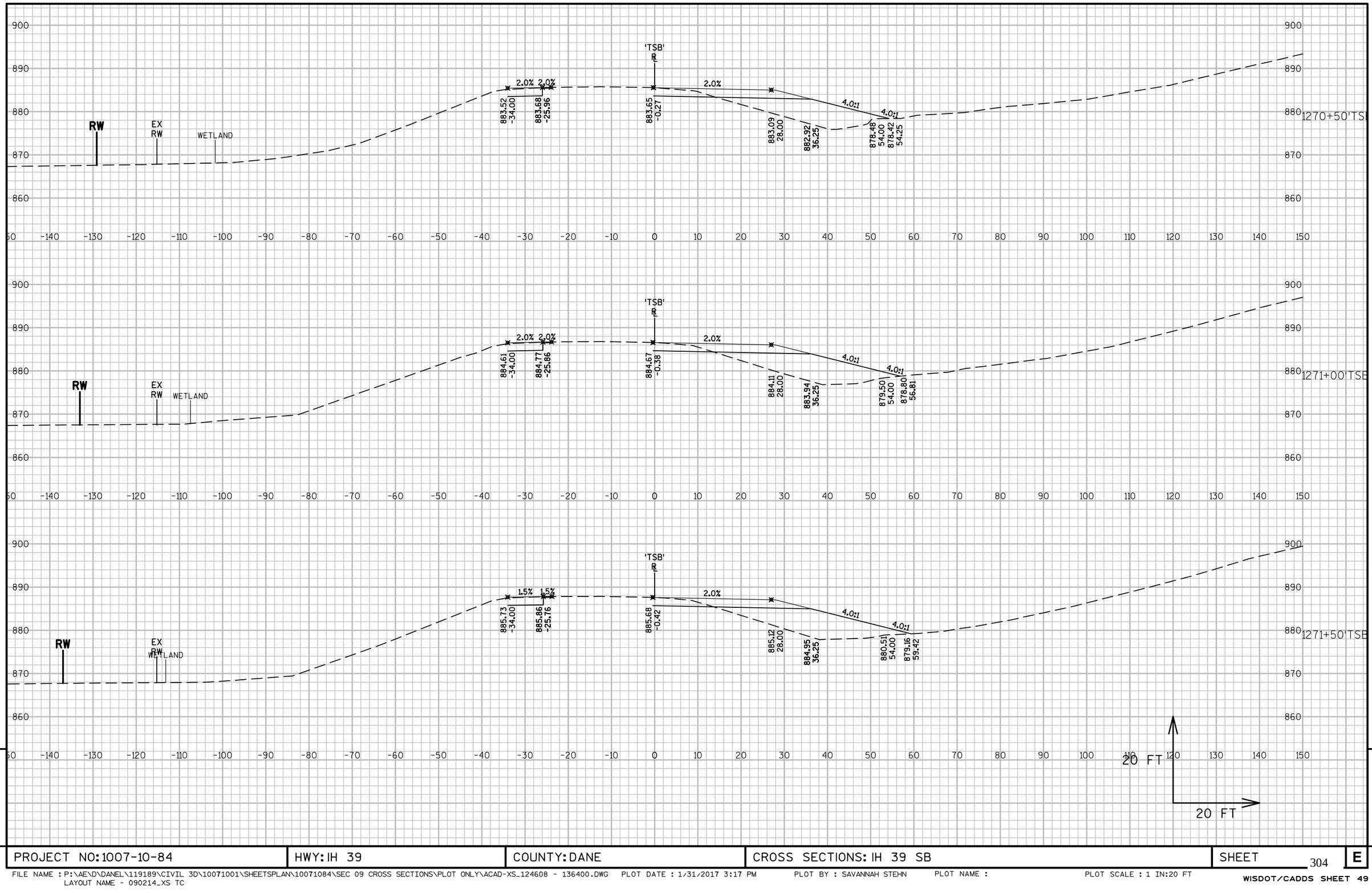
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 303	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090213_XS TC

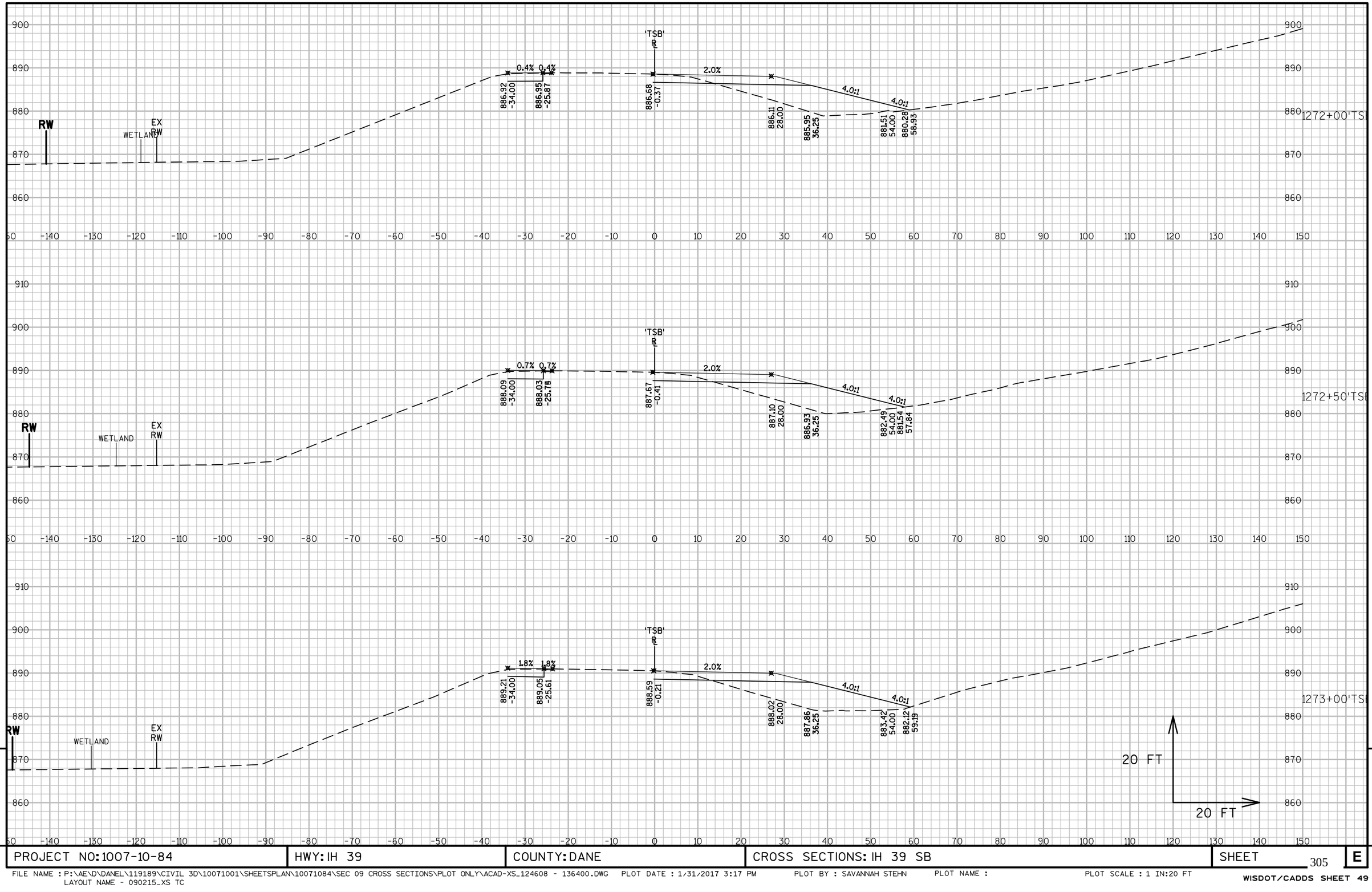
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 304	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090214_XS TC

WISDOT/CADDS SHEET 49



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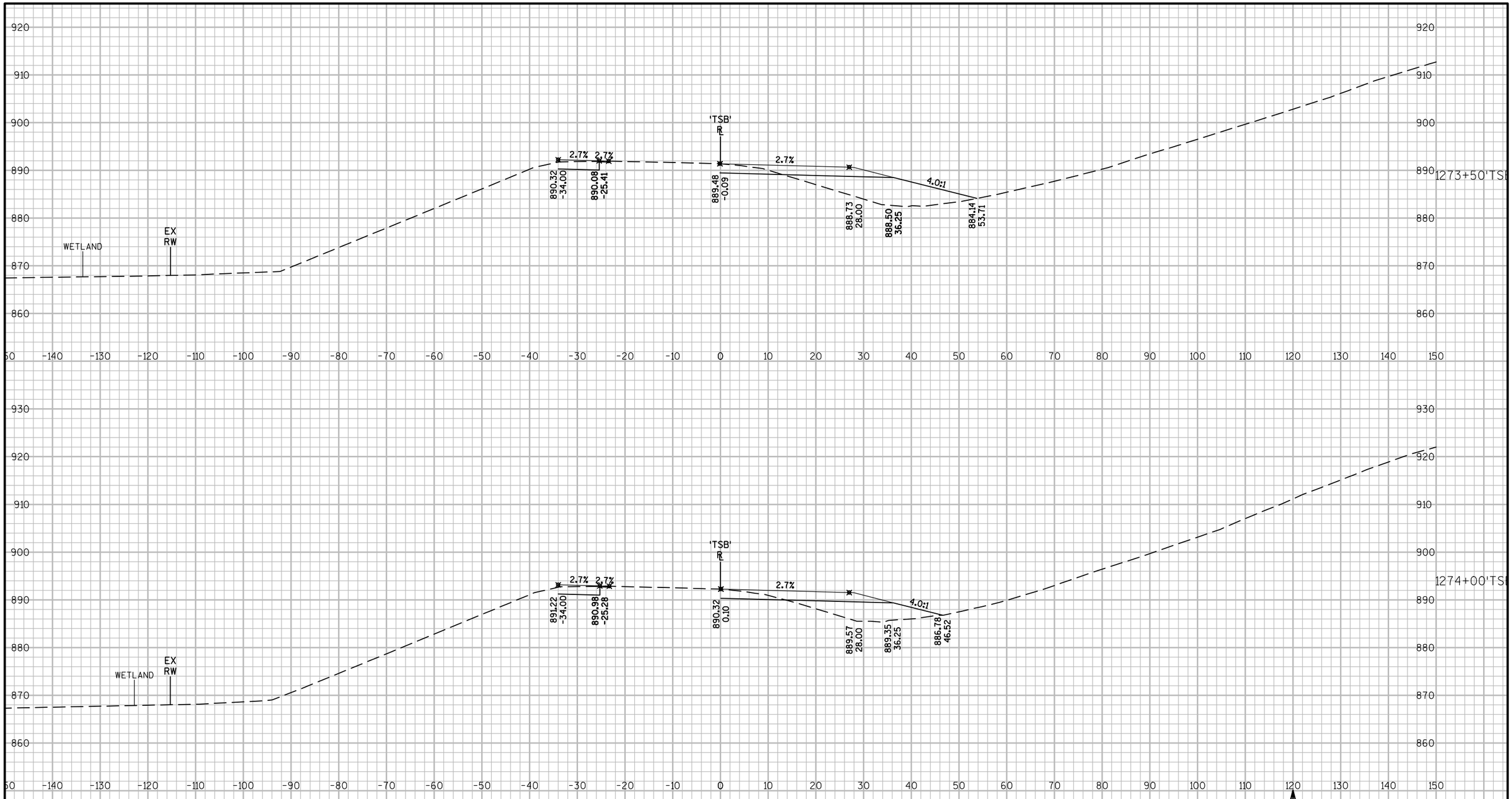
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 305	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090215_XS TC

WISDOT/CADDS SHEET 49



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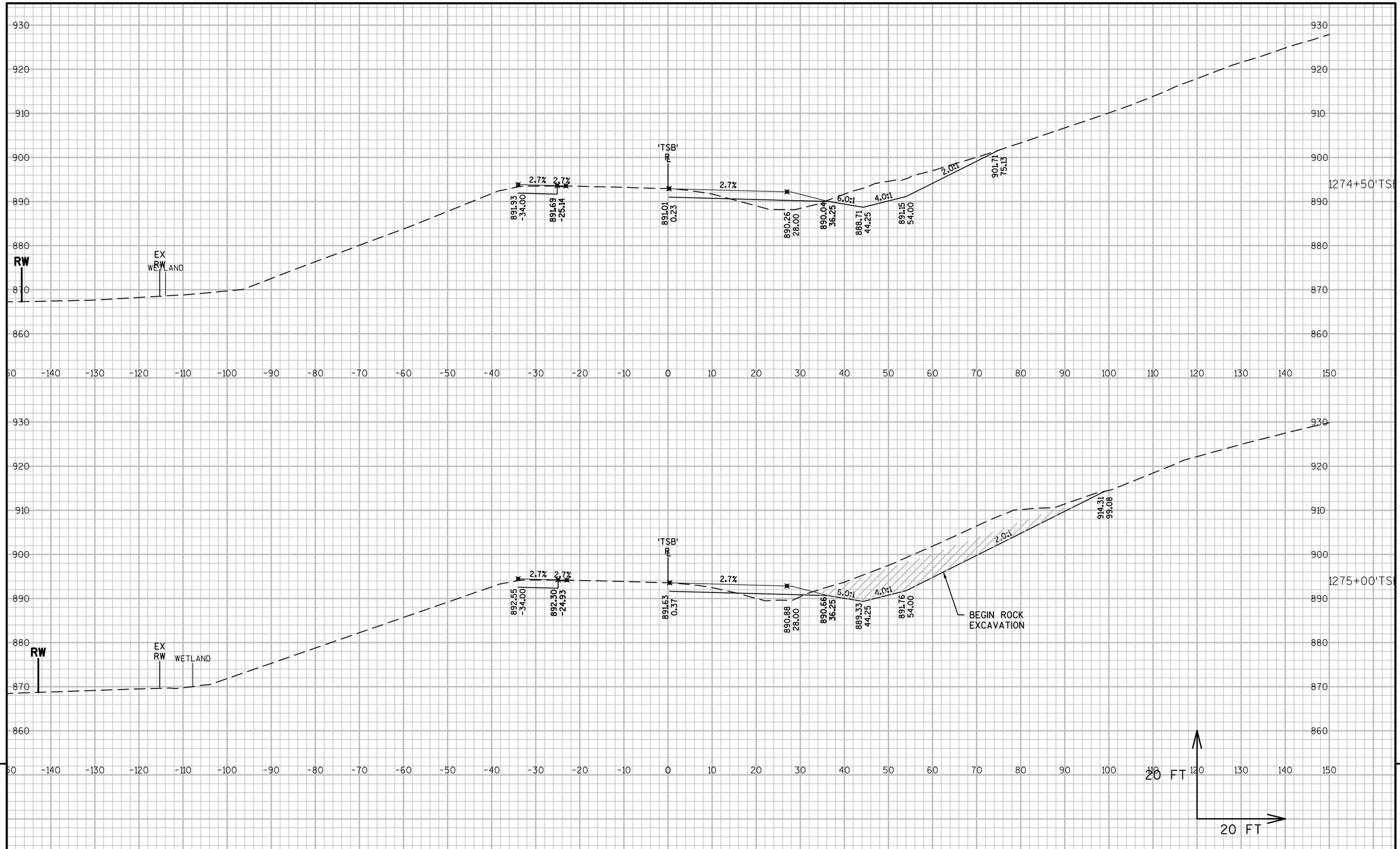
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 306	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090216_XS TC



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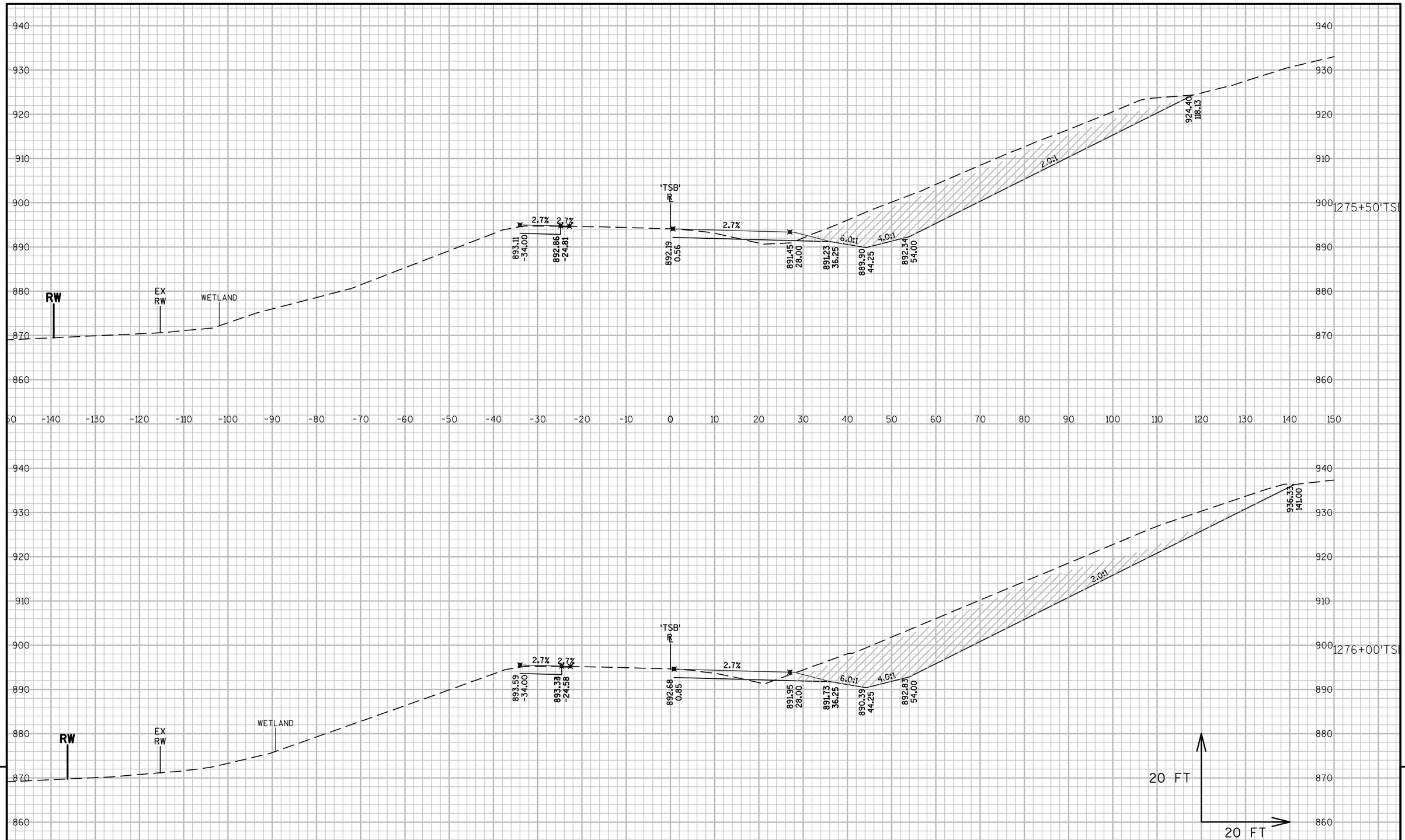
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 307	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090217_XS TC



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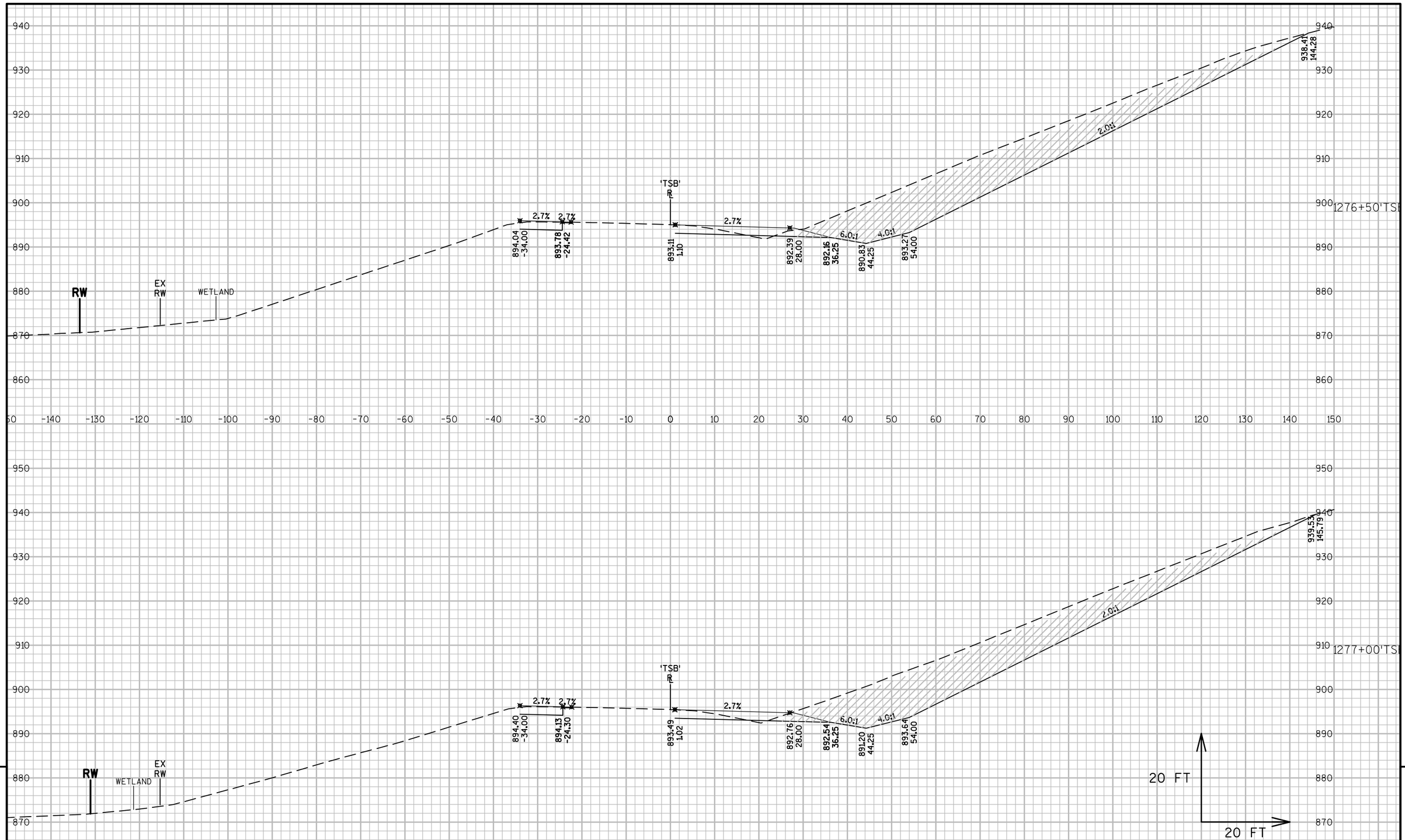
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 308	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090218_XS TC
WISDOT/CADDS SHEET 49



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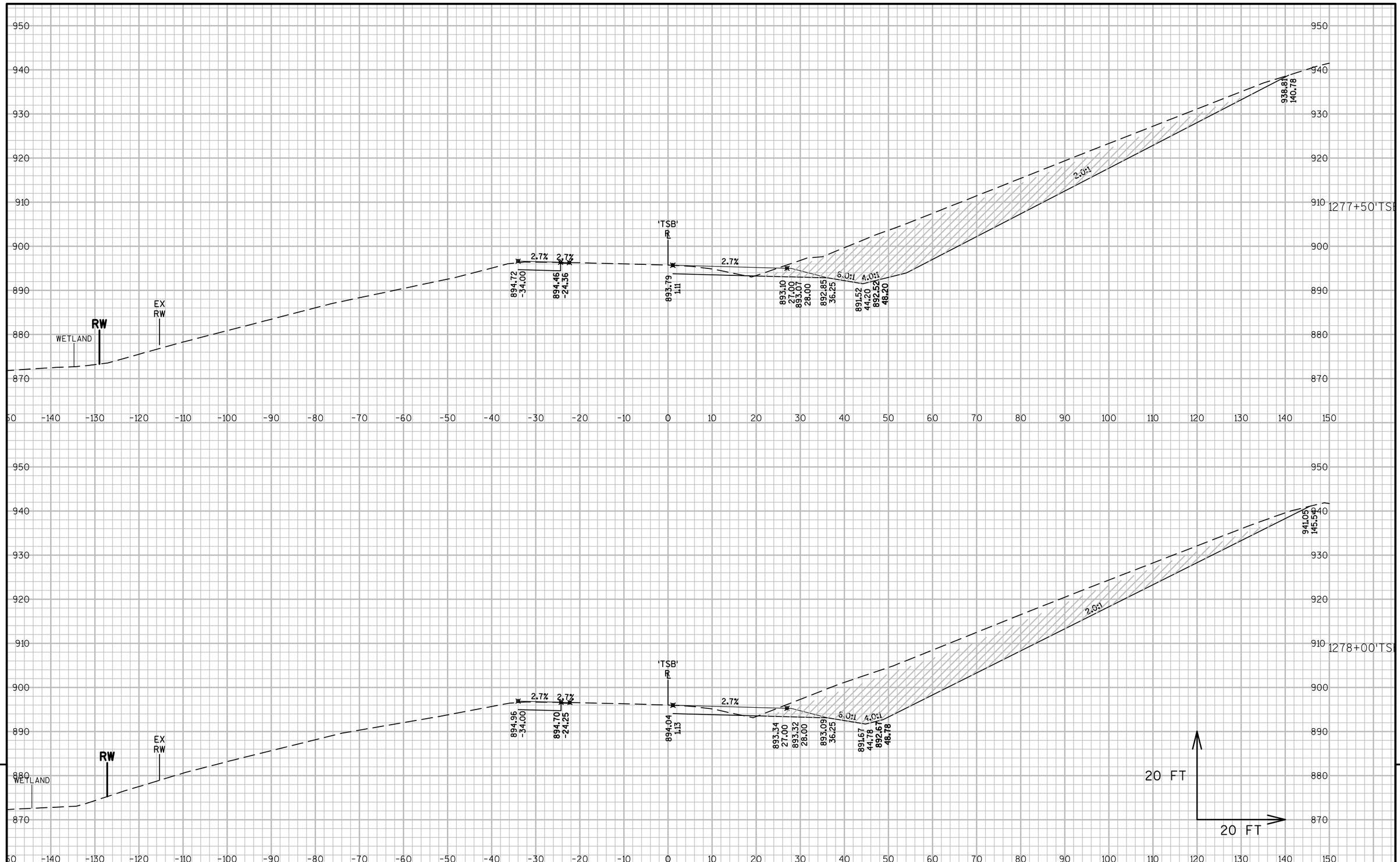
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 309 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090219_XS TC

WISDOT/CADDS SHEET 49



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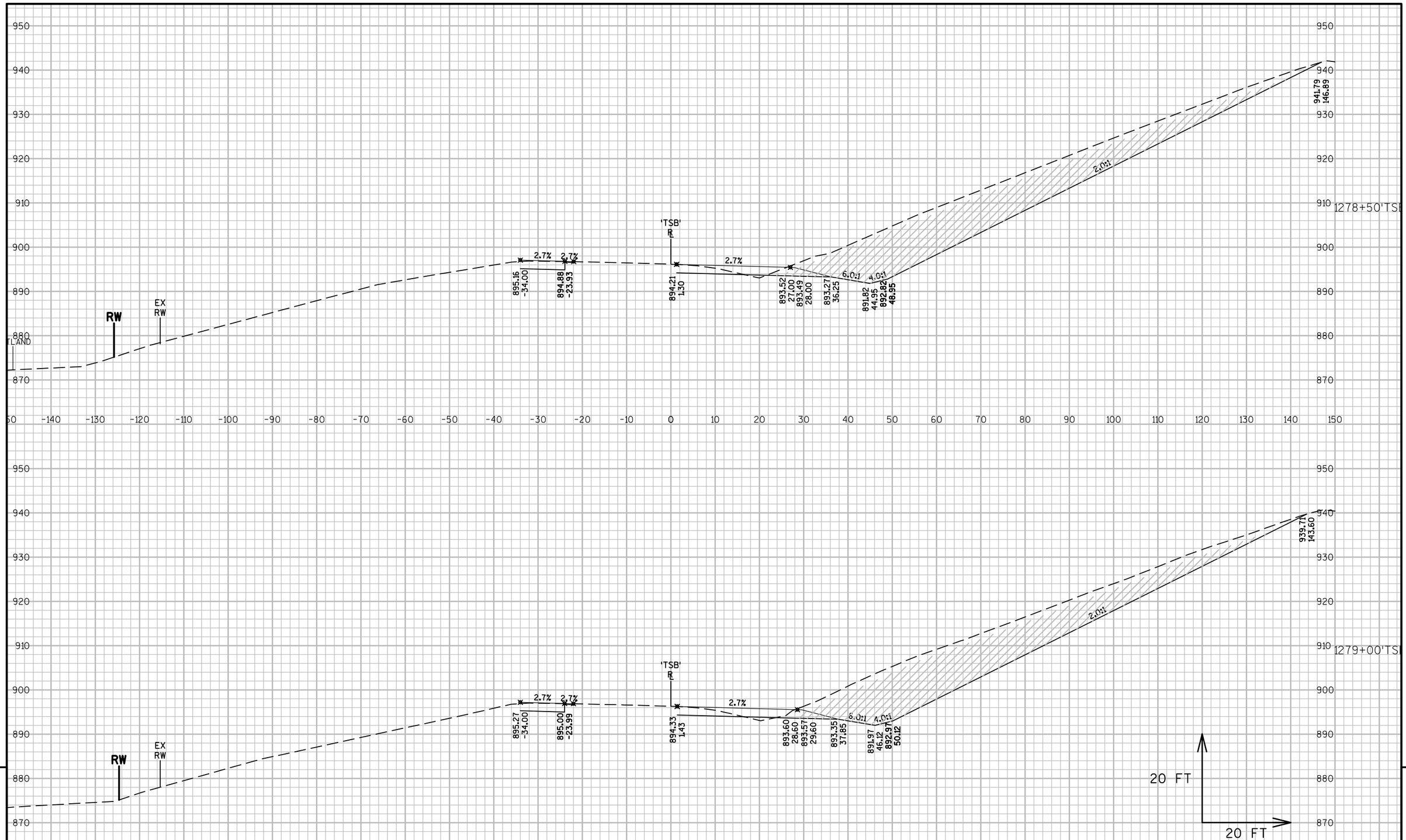
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 310	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090220_XS TC

WISDOT/CADDS SHEET 49



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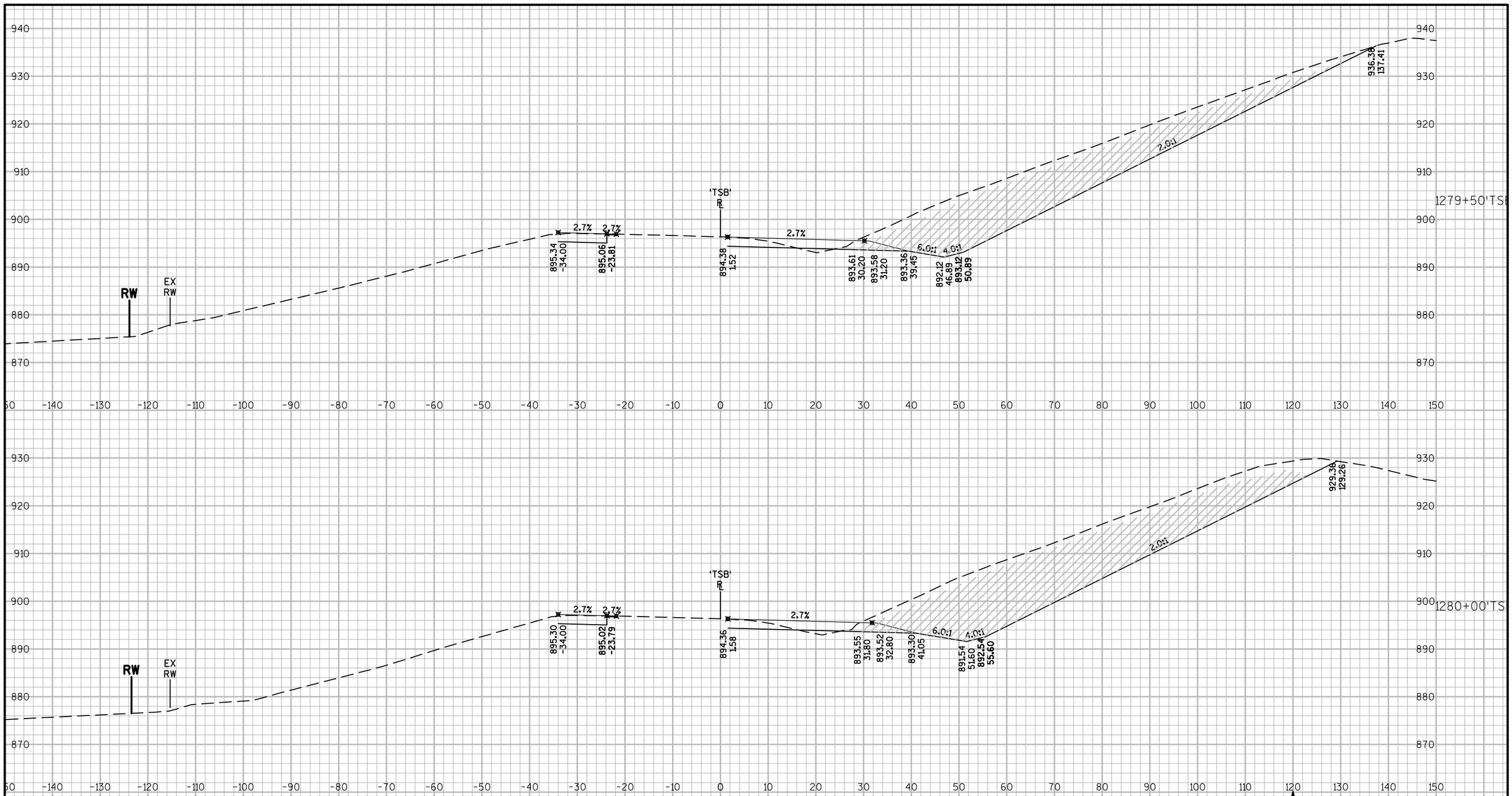
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 311 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090221_XS TC

WISDOT/CADDS SHEET 49



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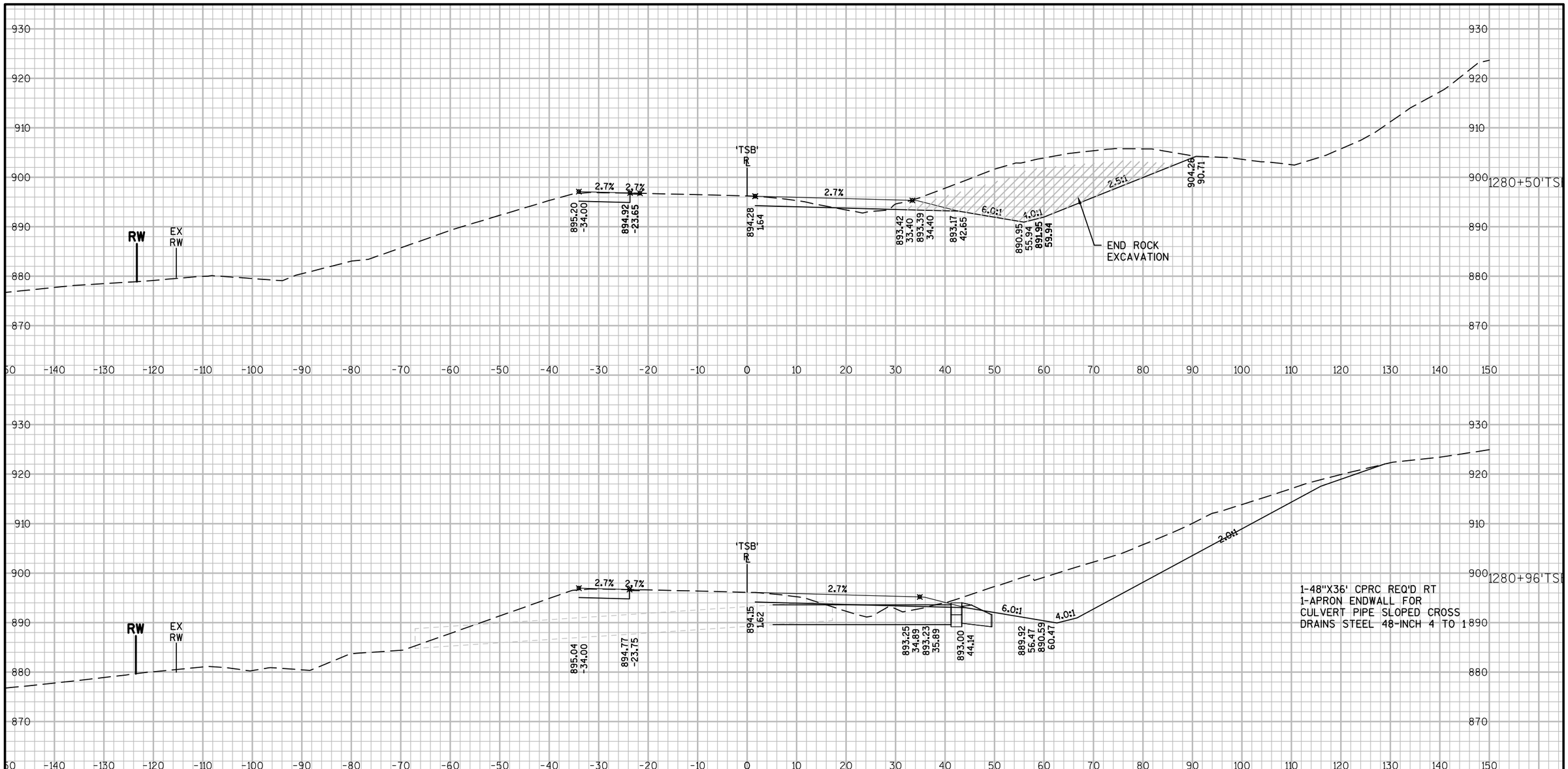
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 312	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090222_XS TC



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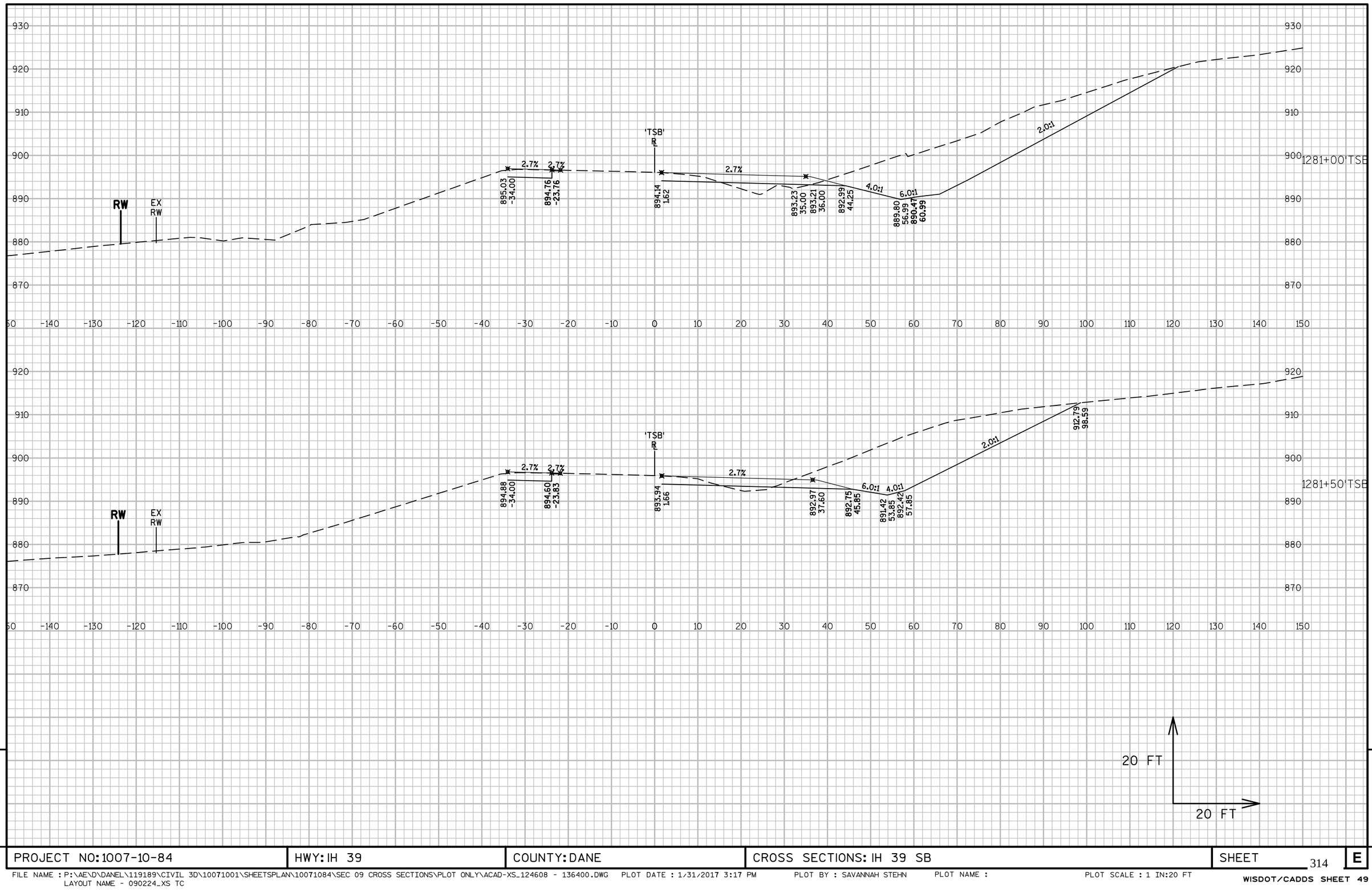
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 313	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090223_XS TC
WISDOT/CADDS SHEET 49



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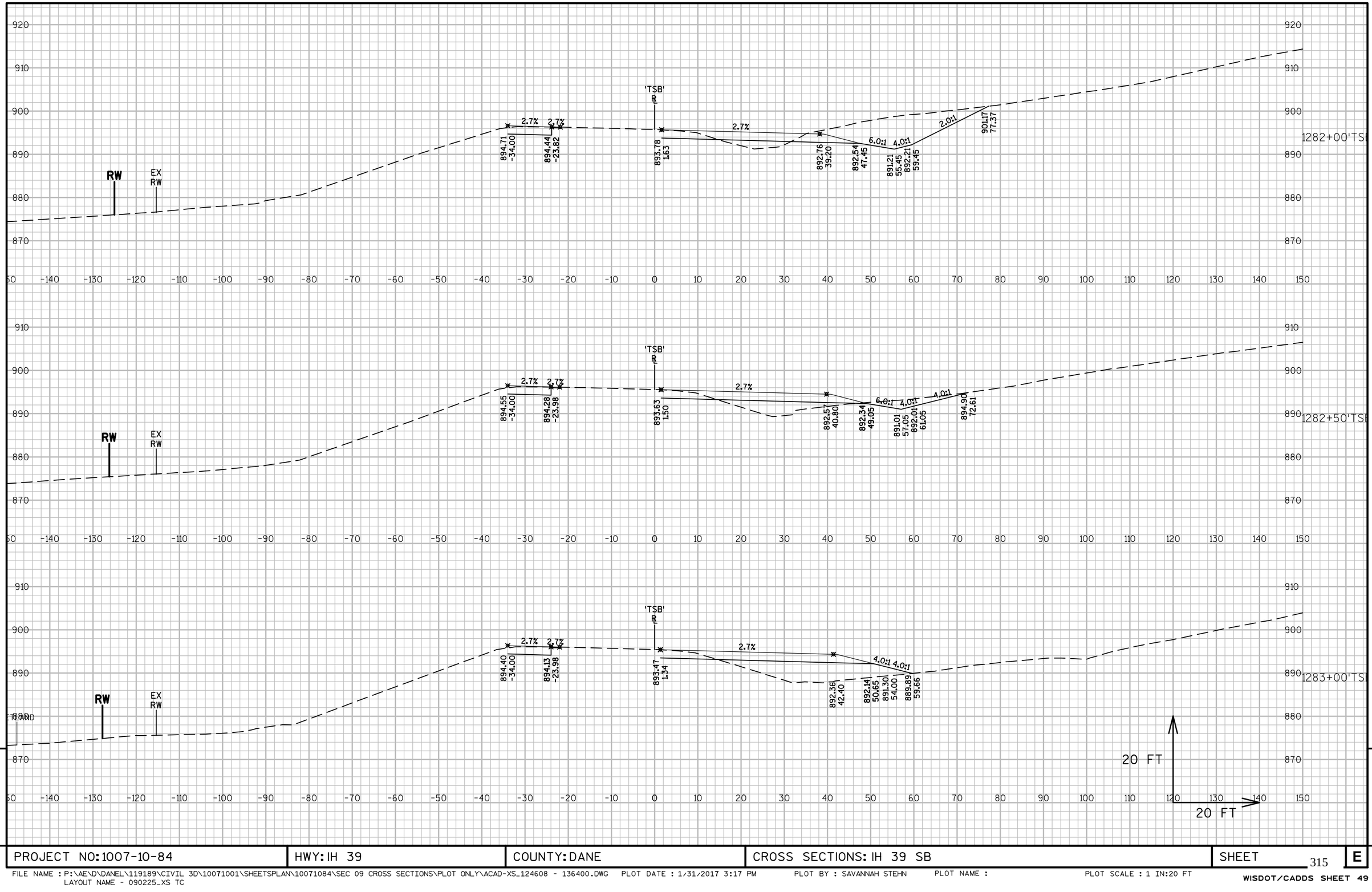
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 314	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090224_XS TC

WISDOT/CADDS SHEET 49



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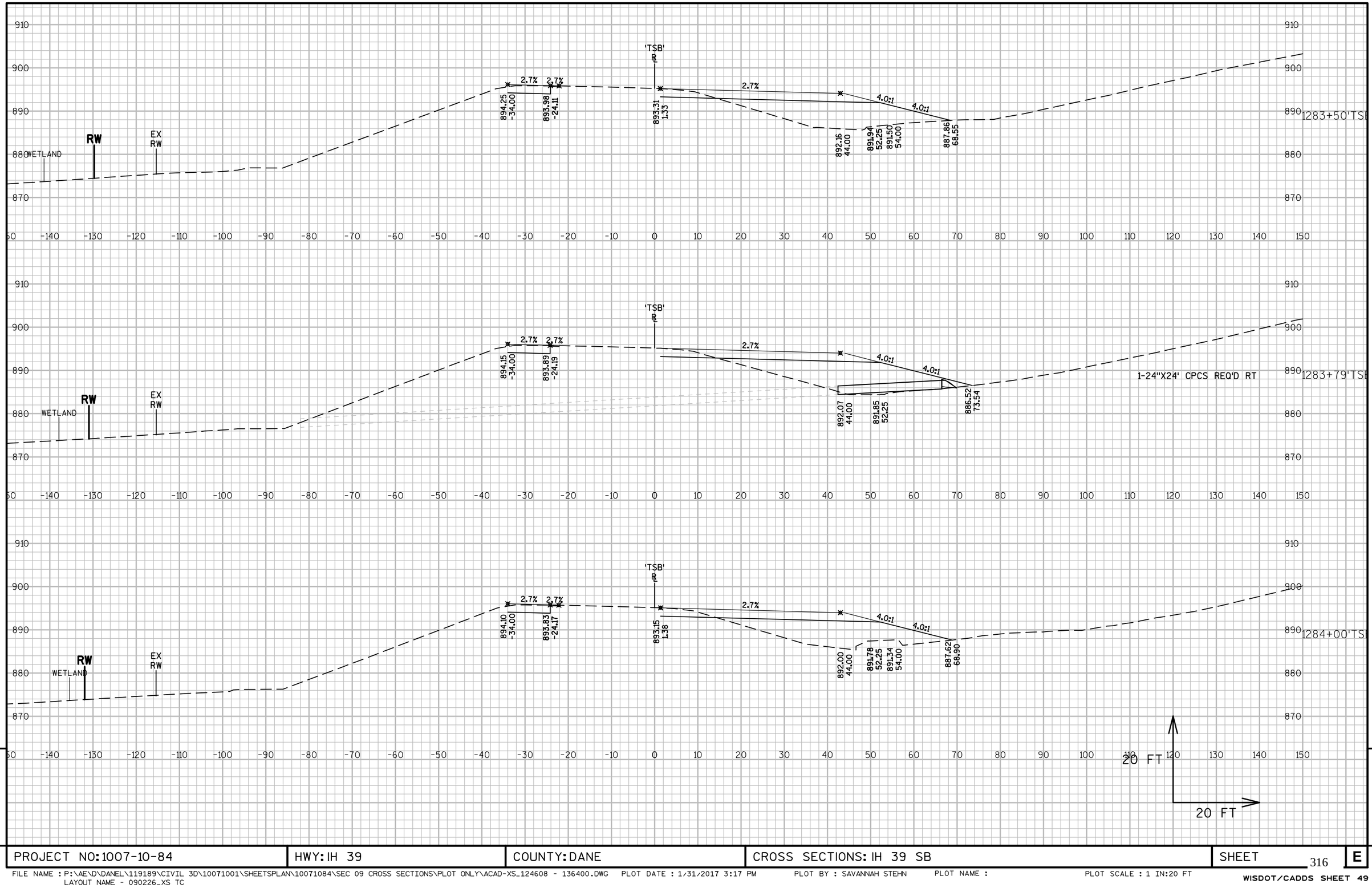
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 315	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090225_XS TC



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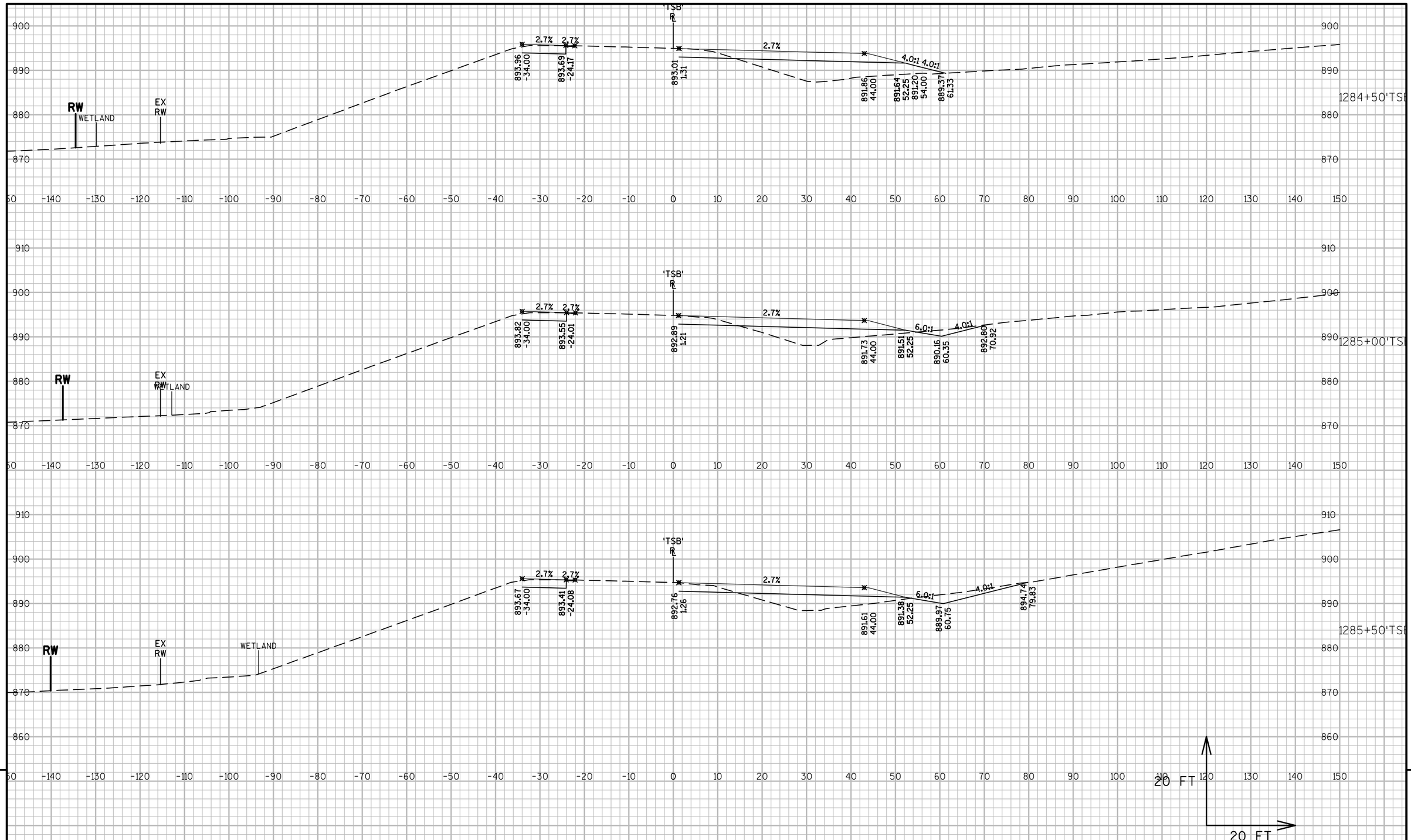
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 316	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME :
LAYOUT NAME - 090226_XS TC
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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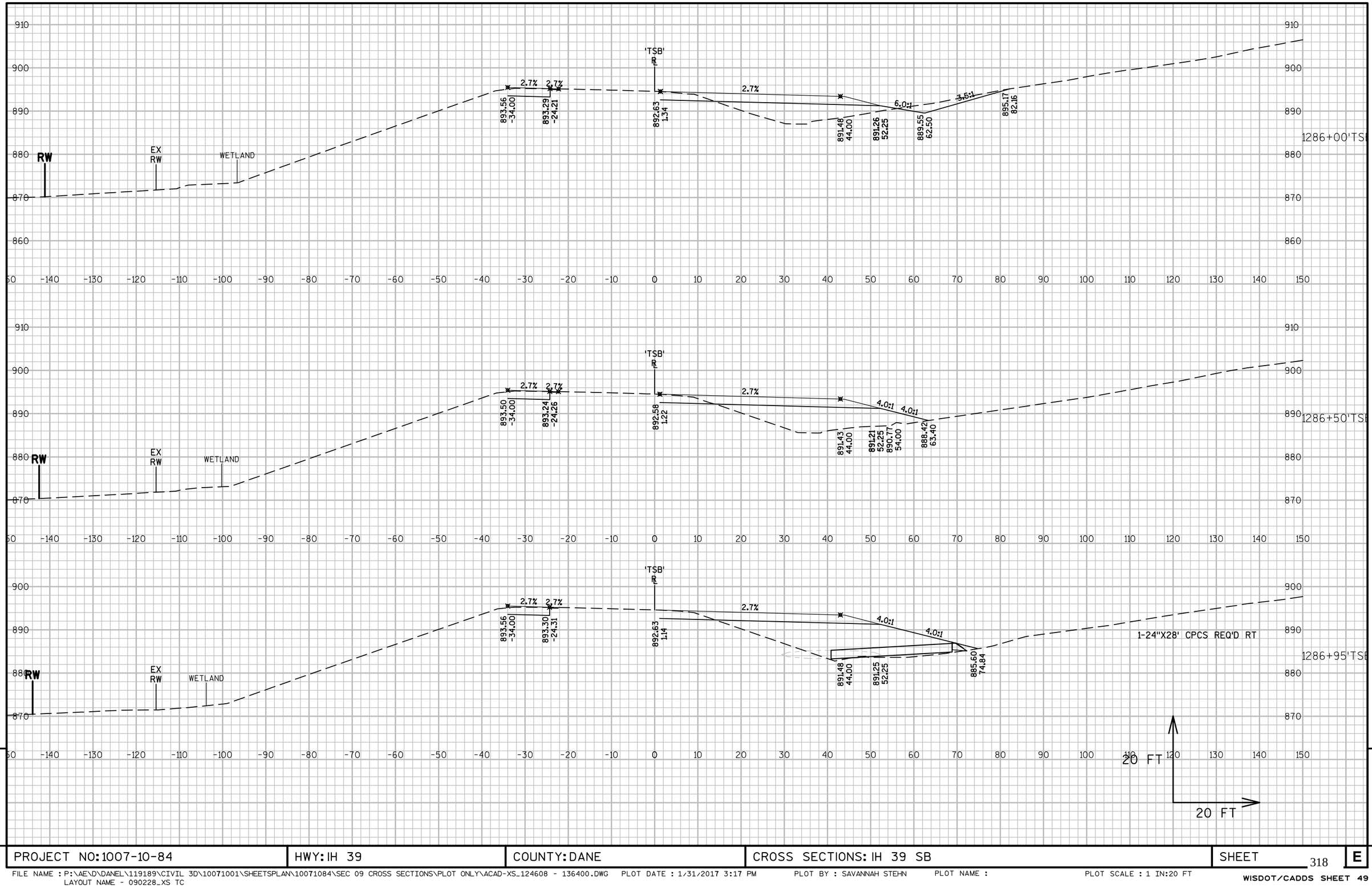
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 317	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090227_XS TC
WISDOT/CADDS SHEET 49



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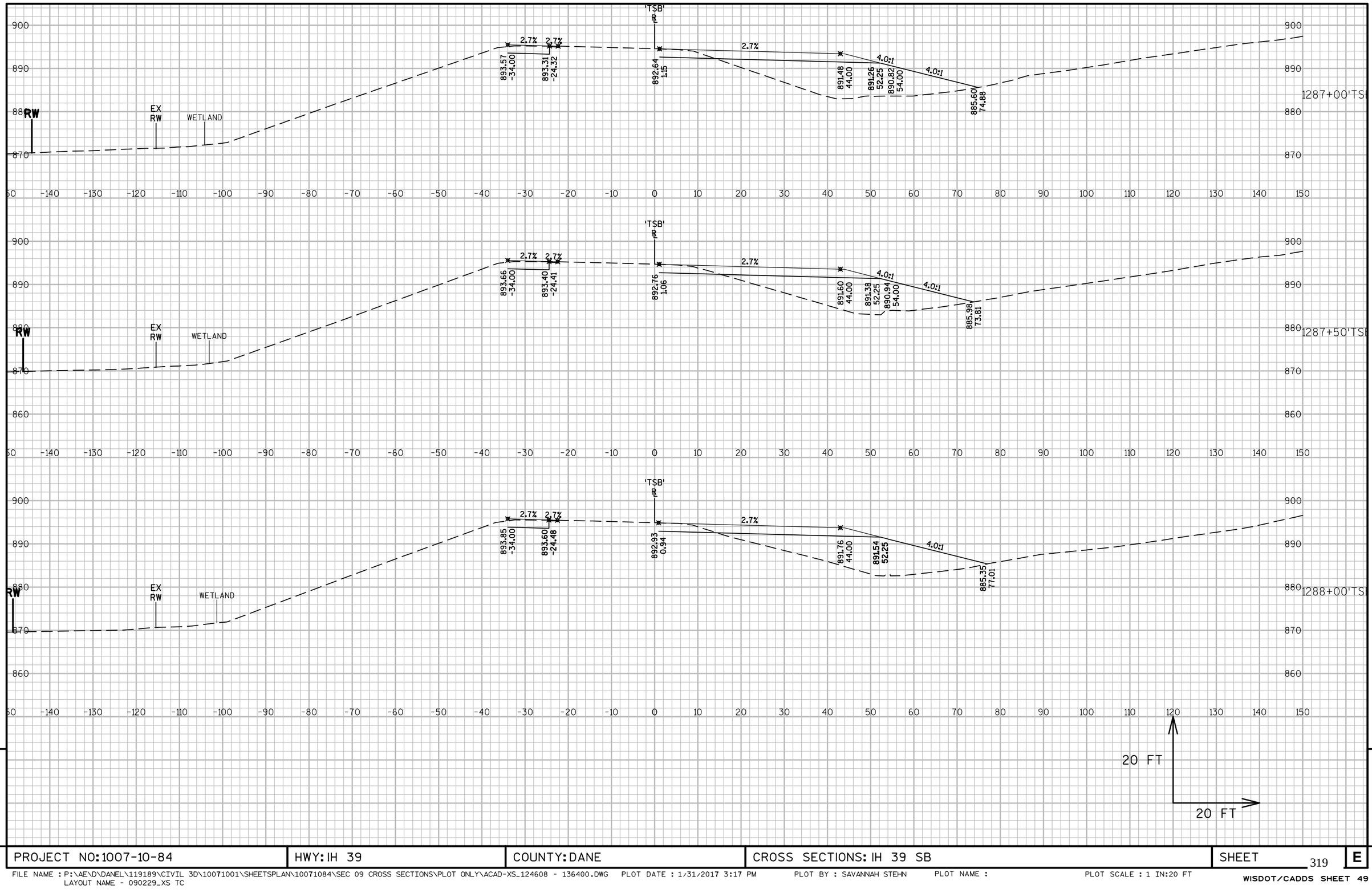
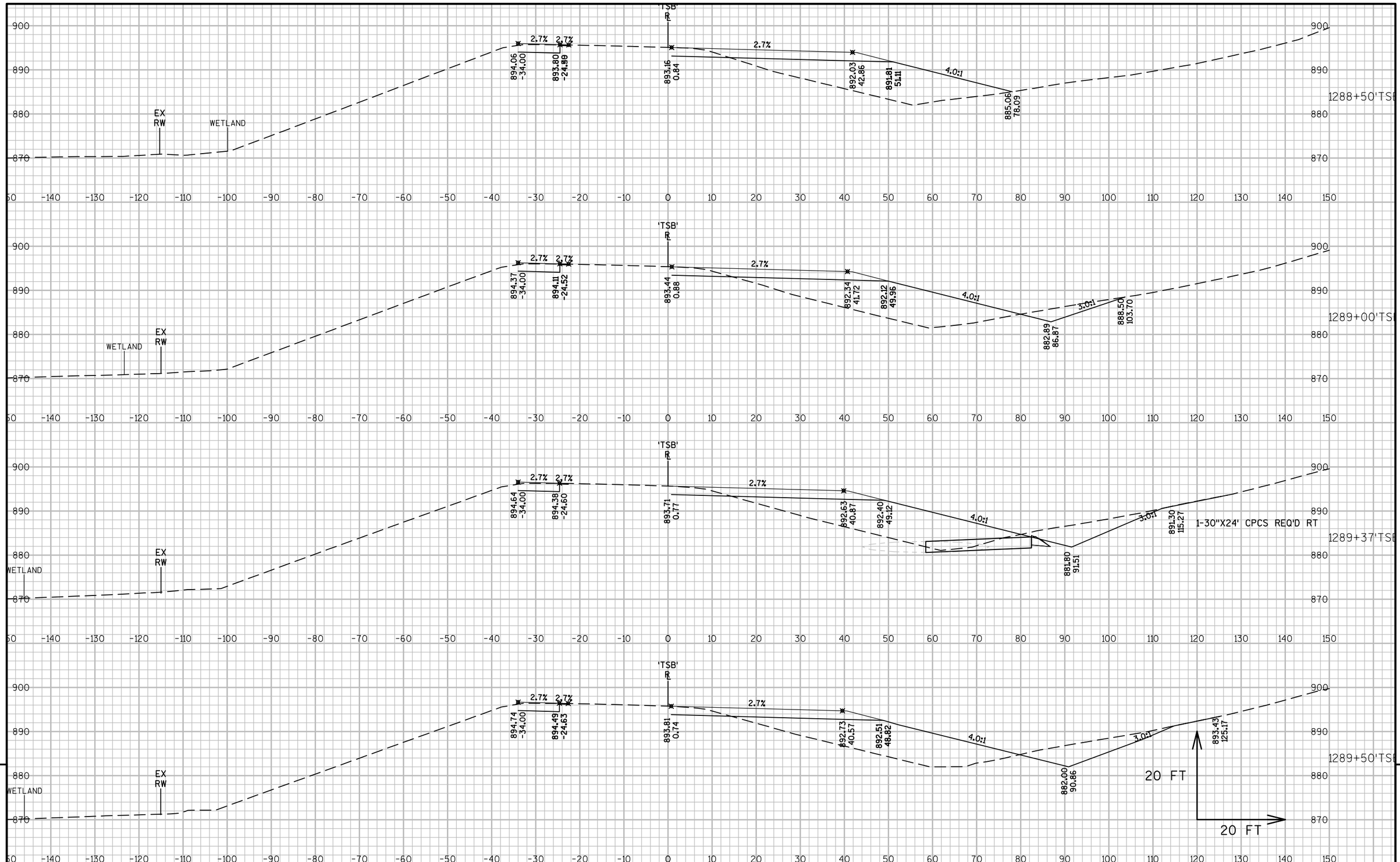
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 318	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME :
LAYOUT NAME - 090228_XS TC
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 319	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090229_XS TC



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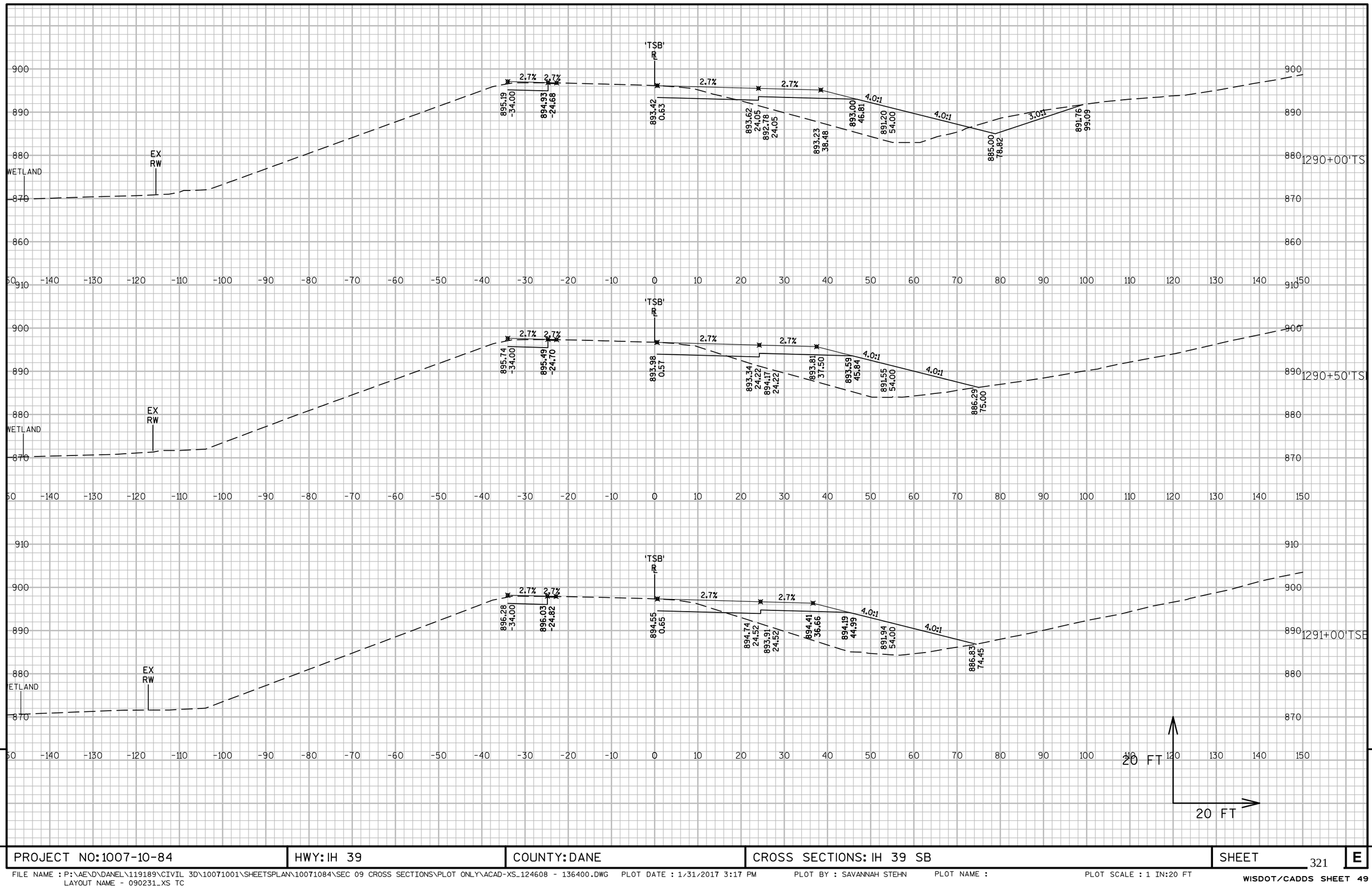
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 320	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090230_XS TC

WISDOT/CADDS SHEET 49



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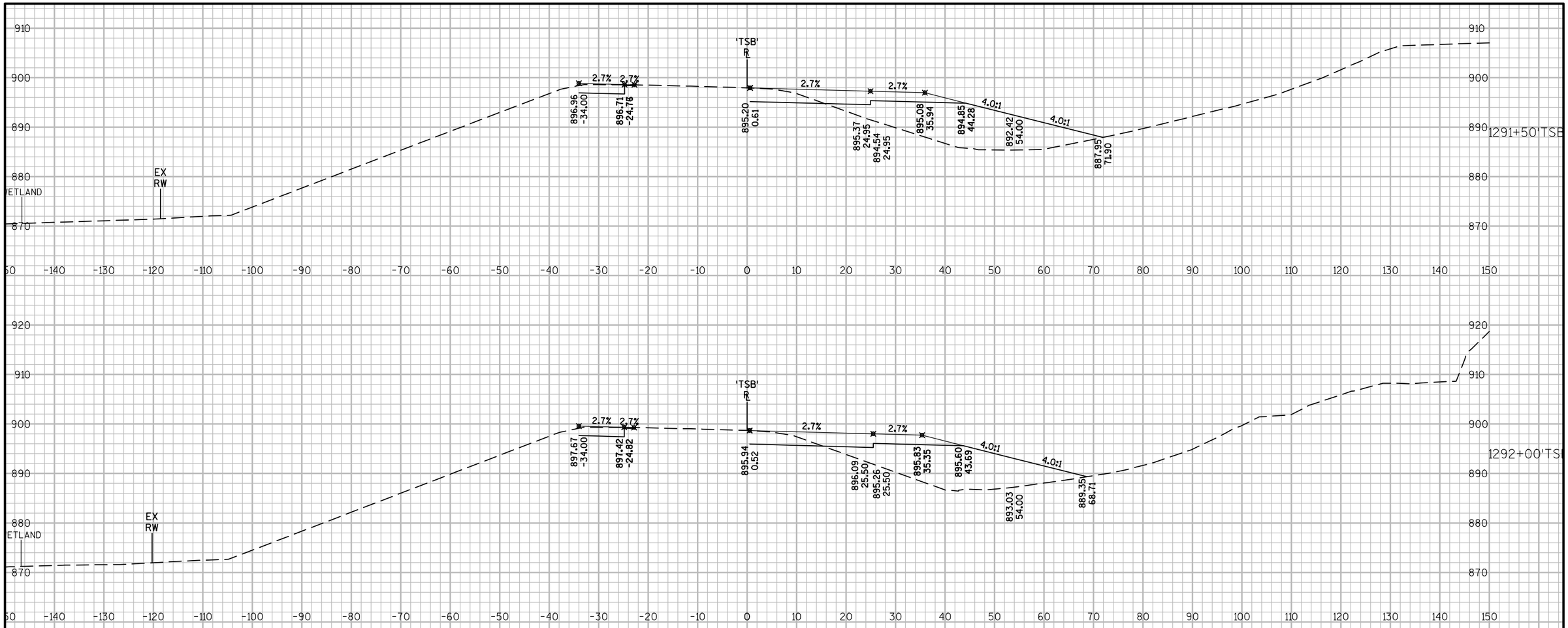
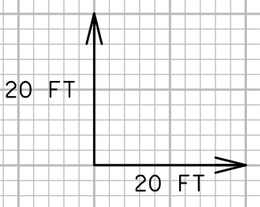
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 321	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090231_XS TC





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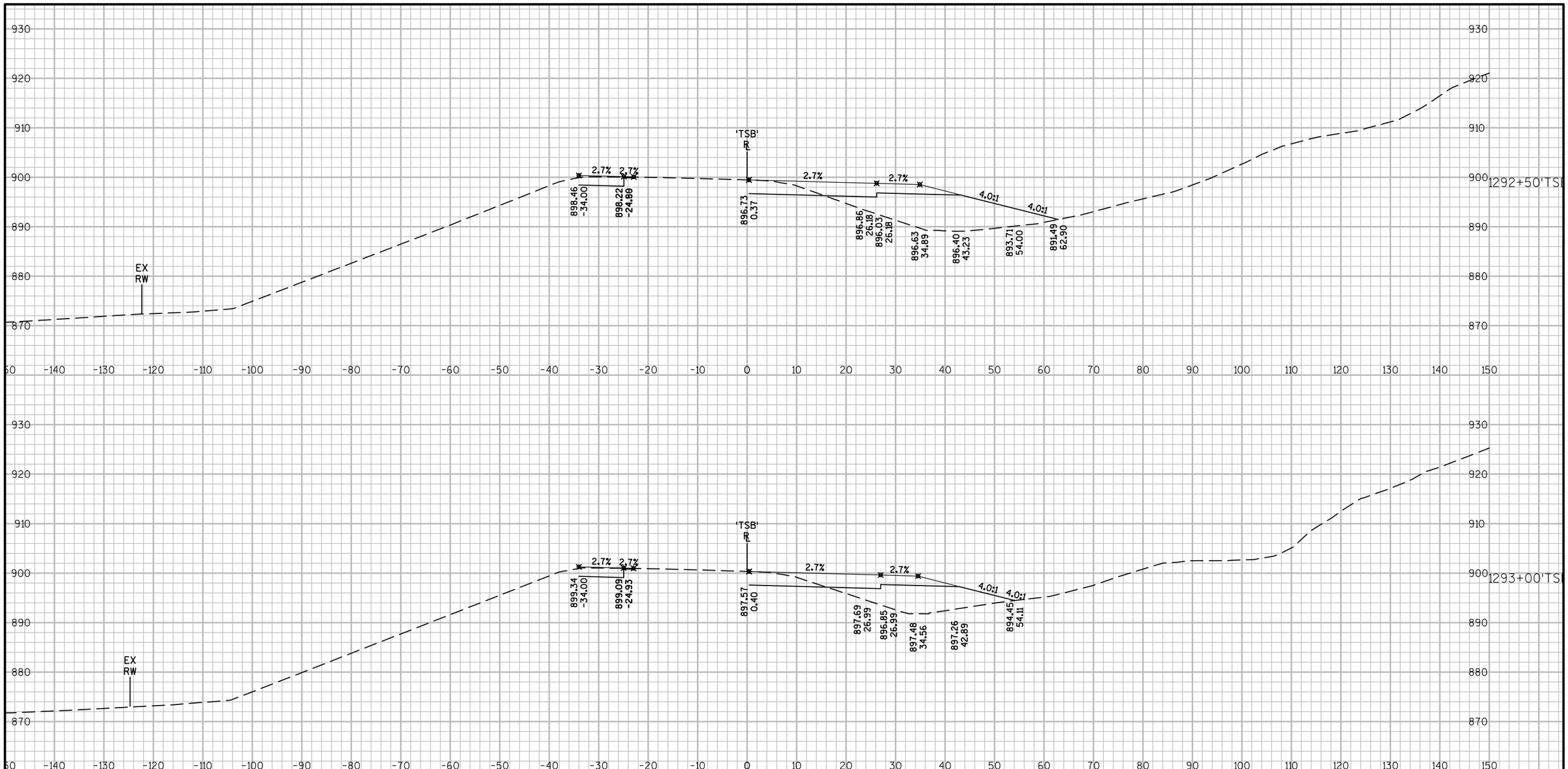
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 322	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090232_XS TC

WISDOT/CADDS SHEET 49



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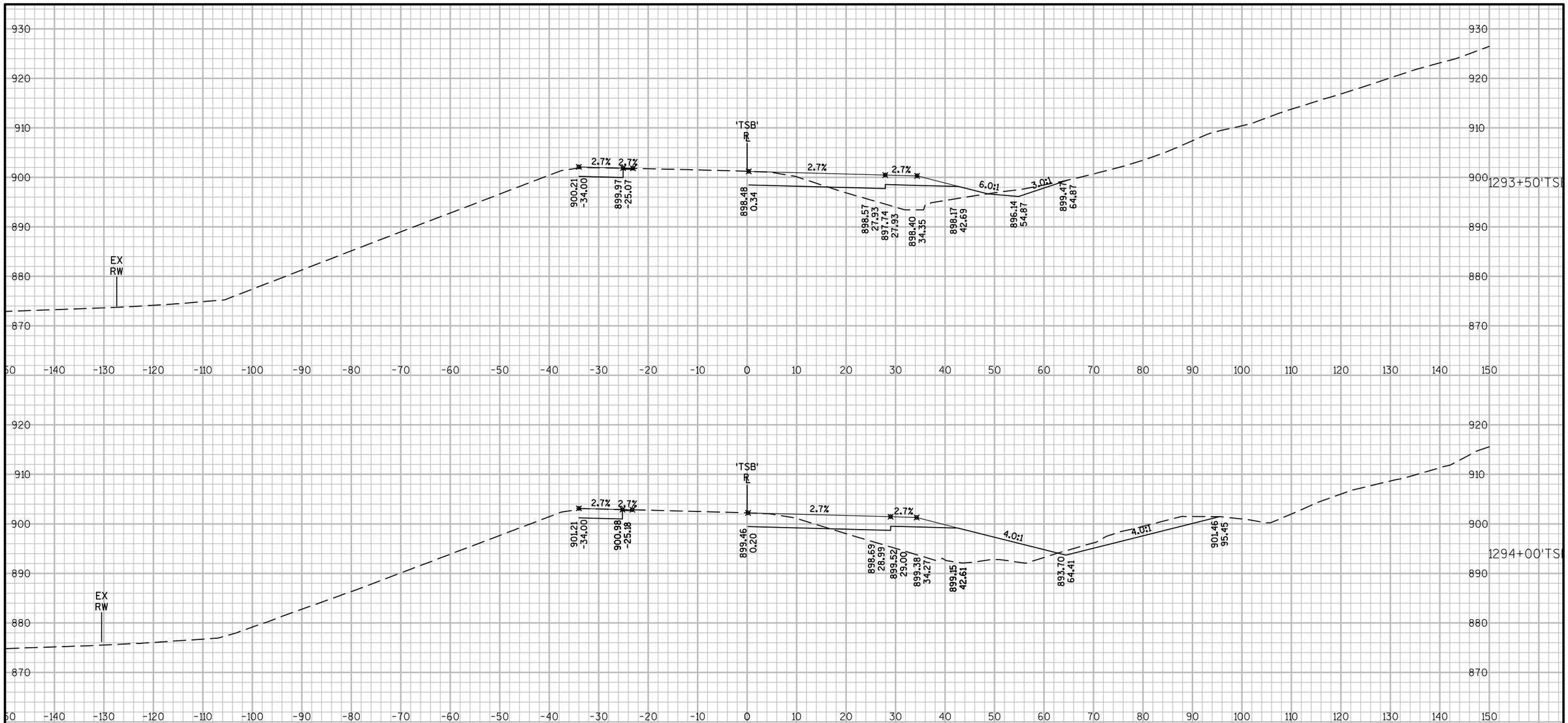
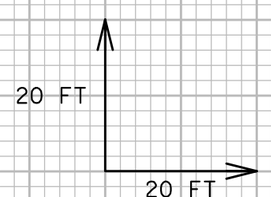
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 323	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090233_XS TC
WISDOT/CADDS SHEET 49





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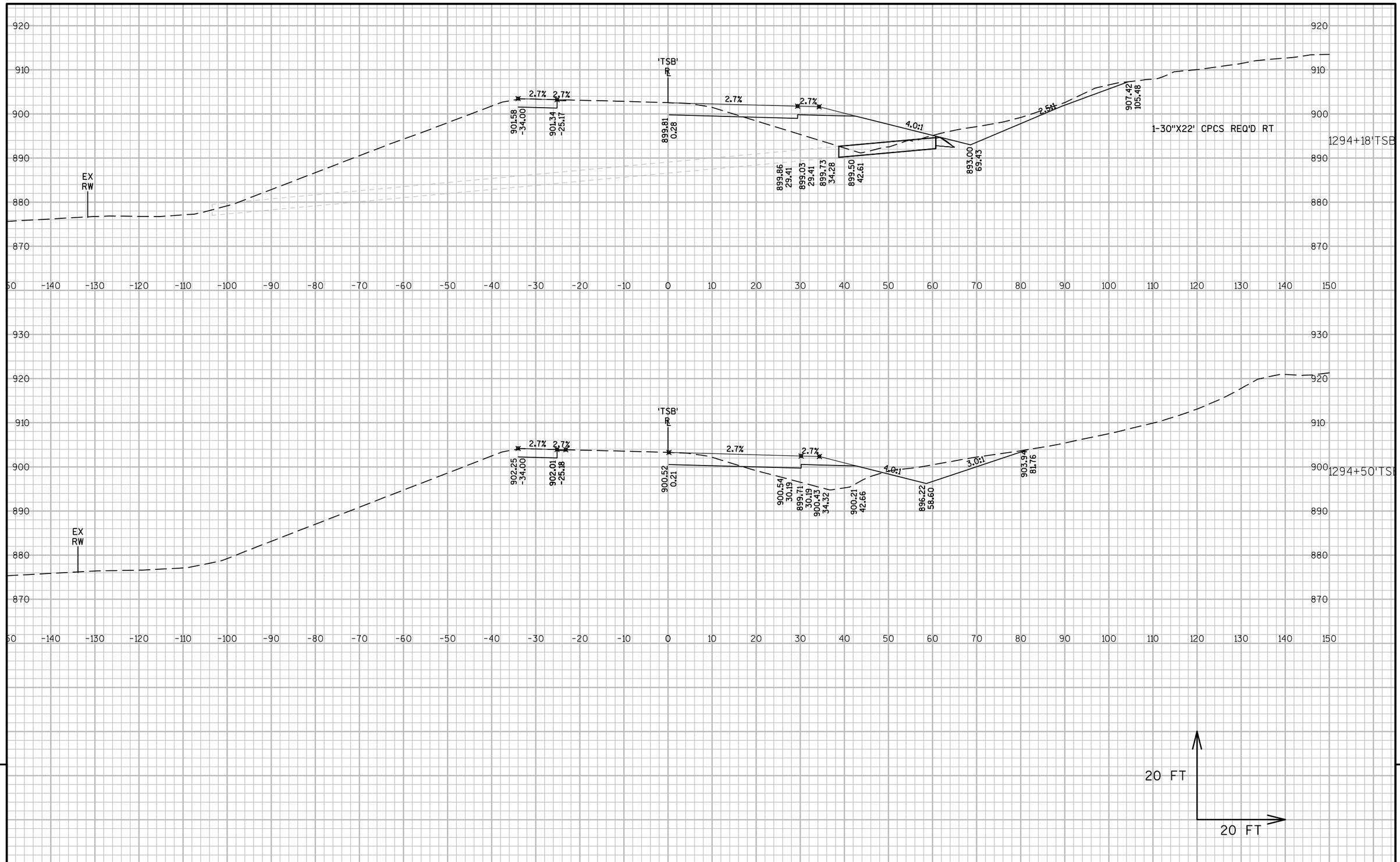
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 324	E

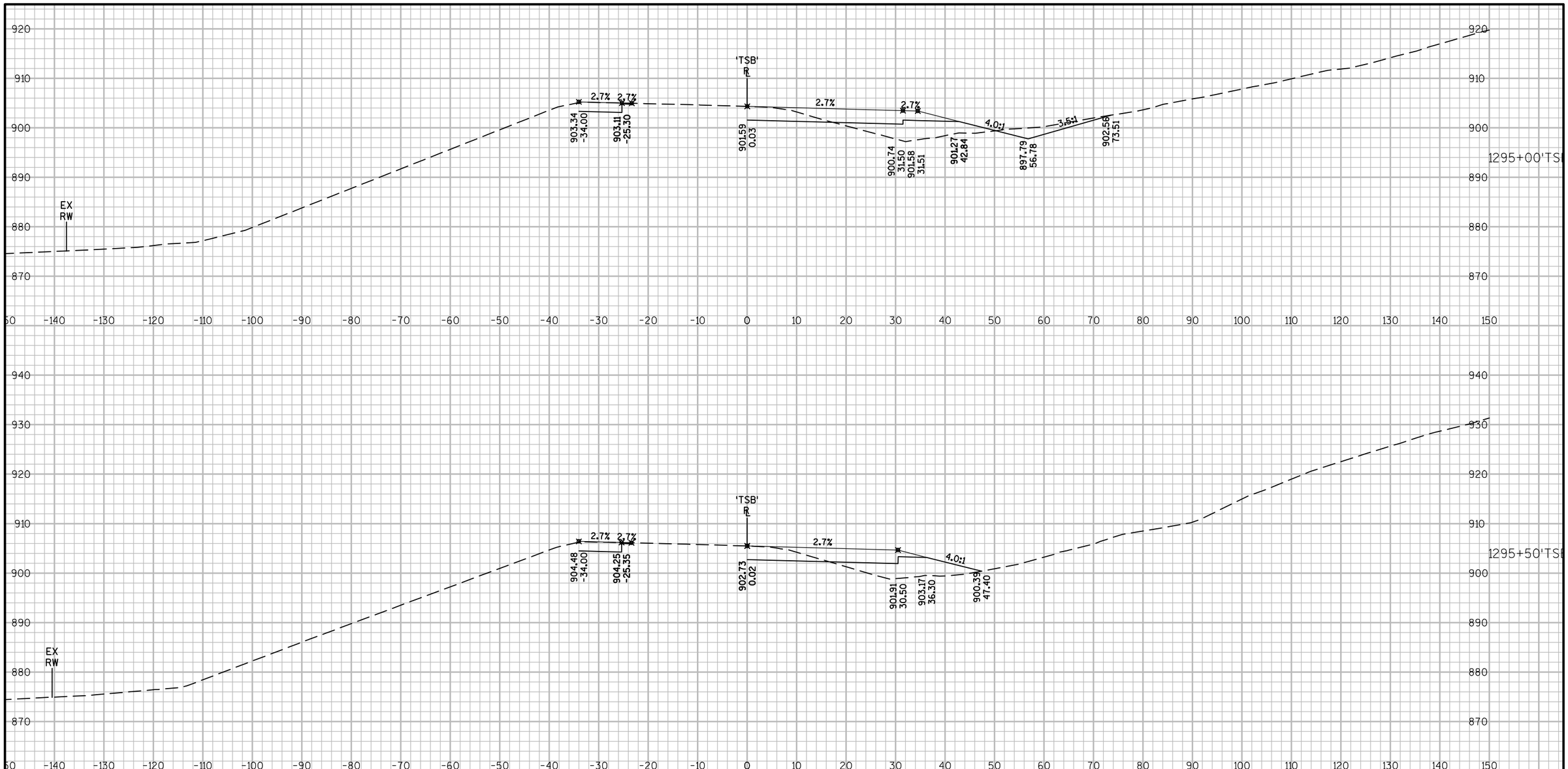
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090234_XS TC

WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 325	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME :
LAYOUT NAME - 090235_XS TC PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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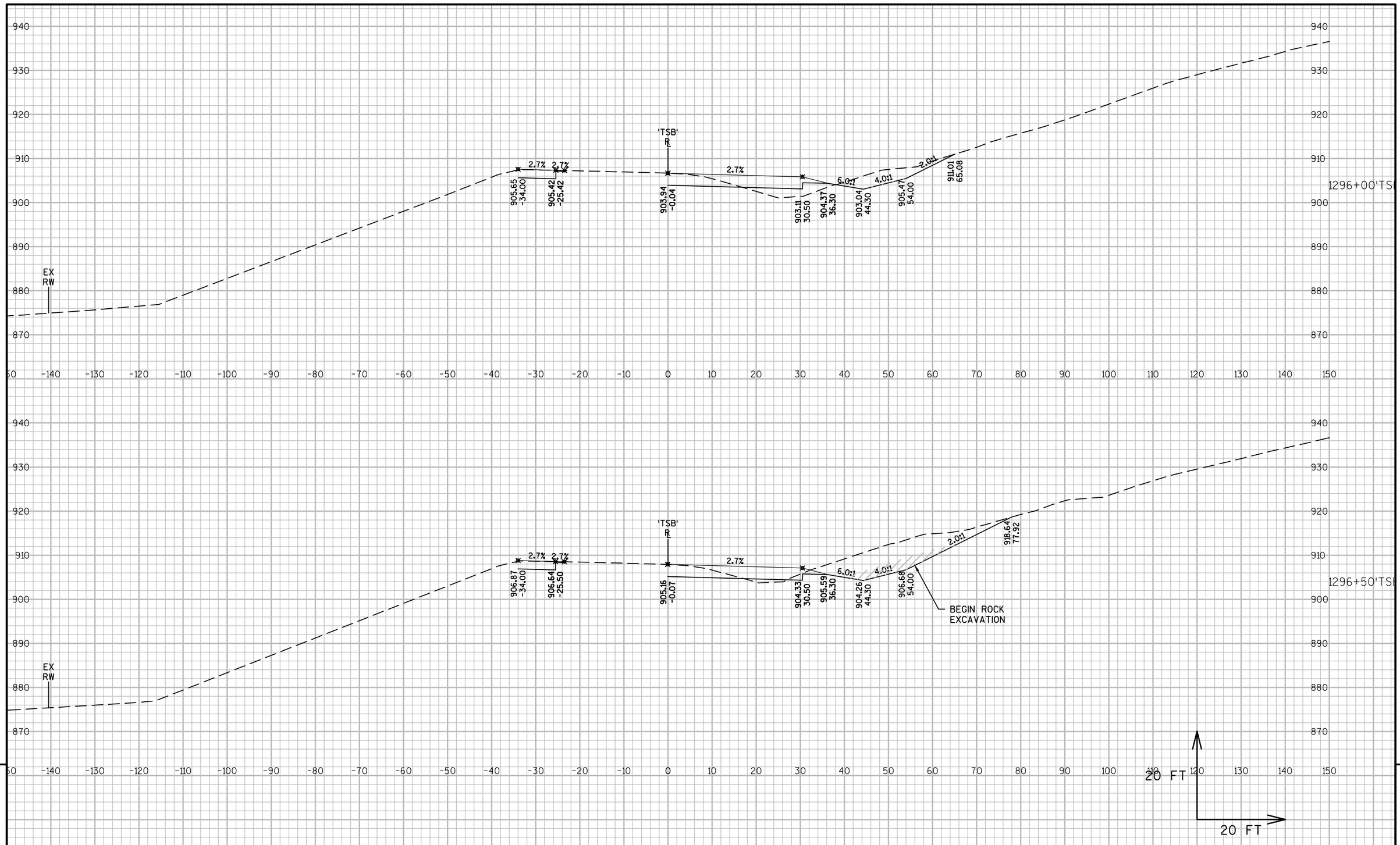
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 326	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090236_XS TC

WISDOT/CADDS SHEET 49



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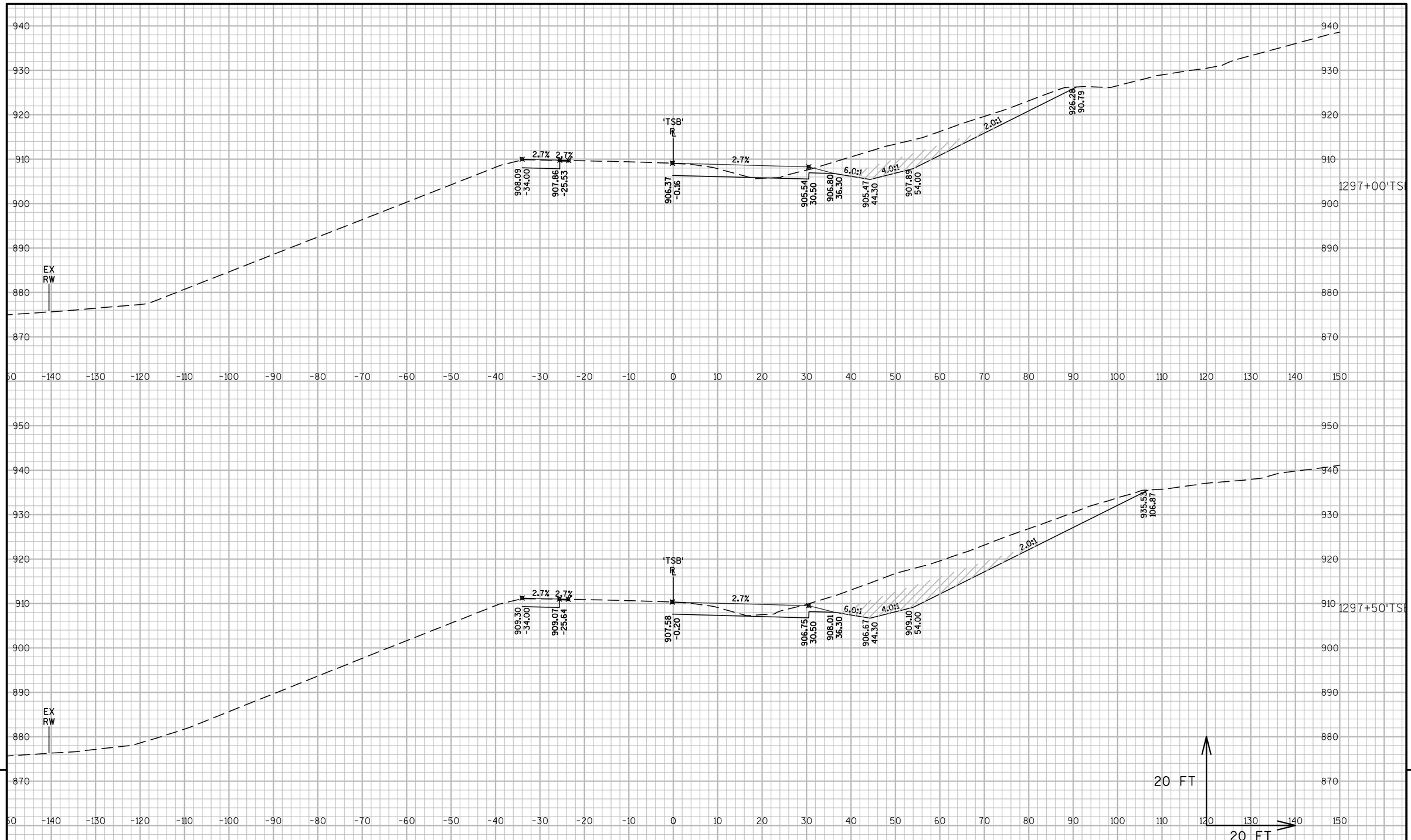
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 327	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090237_XS TC



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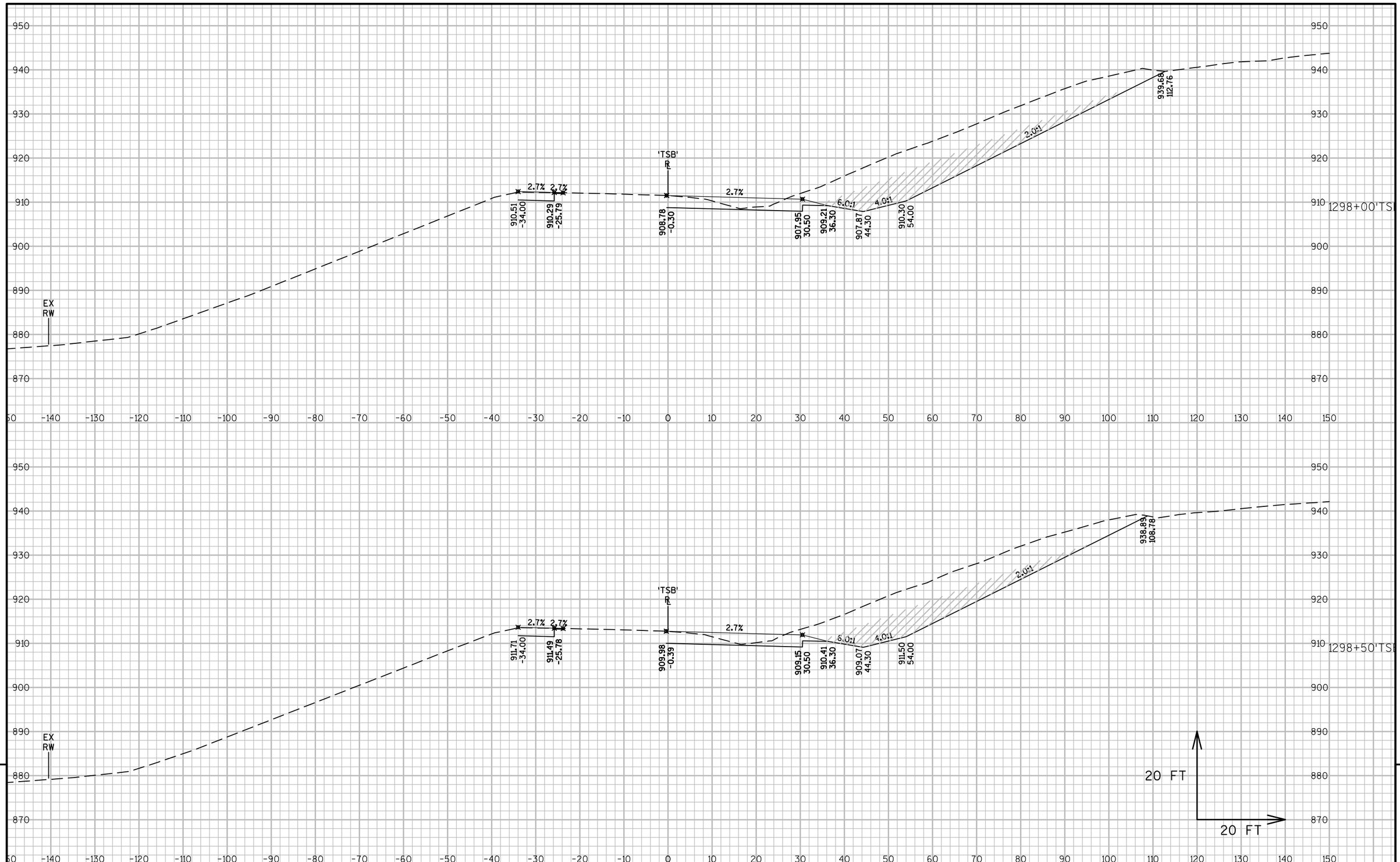
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 328	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090238_XS TC

WISDOT/CADDS SHEET 49



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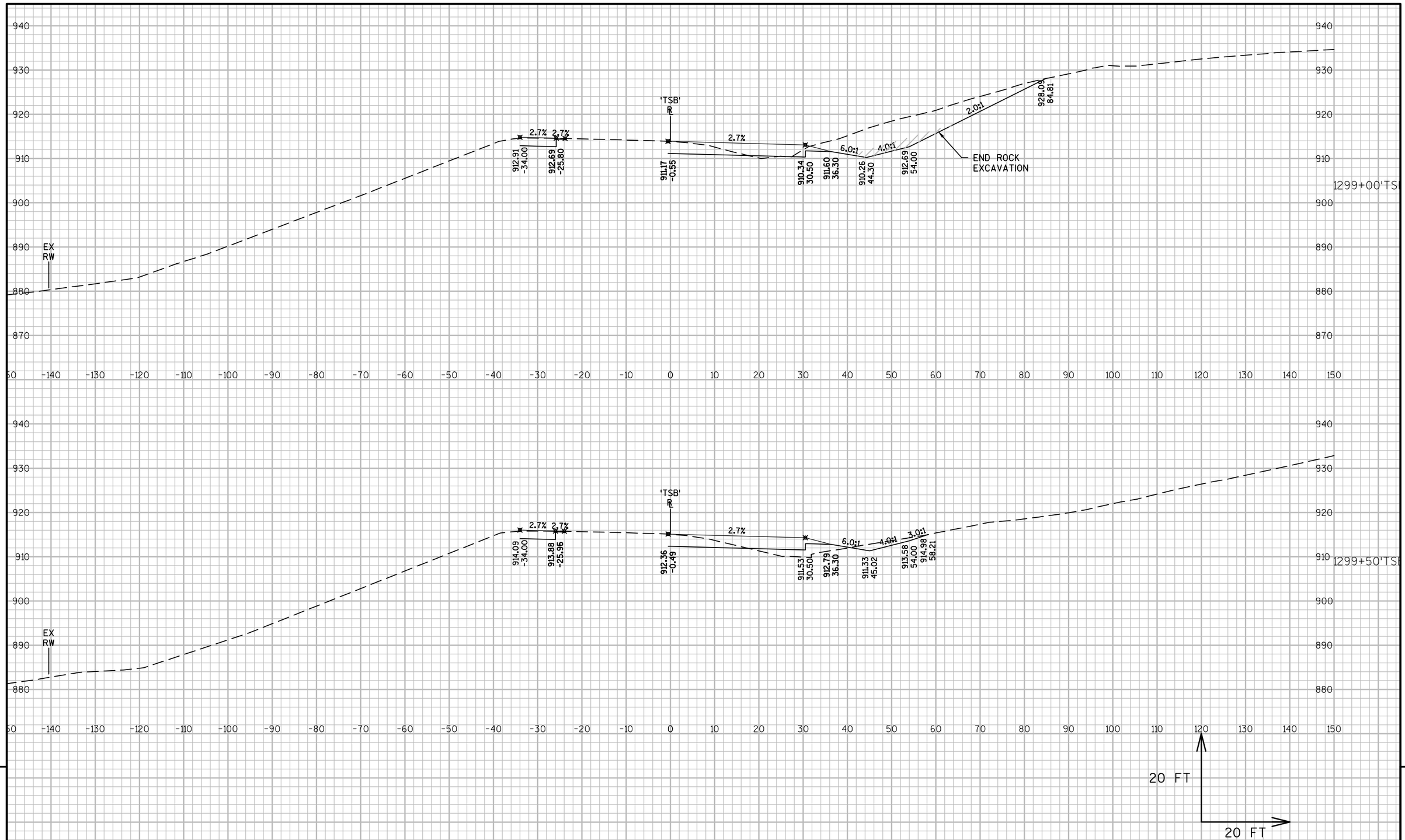
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 329 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090239_XS TC

WISDOT/CADDS SHEET 49



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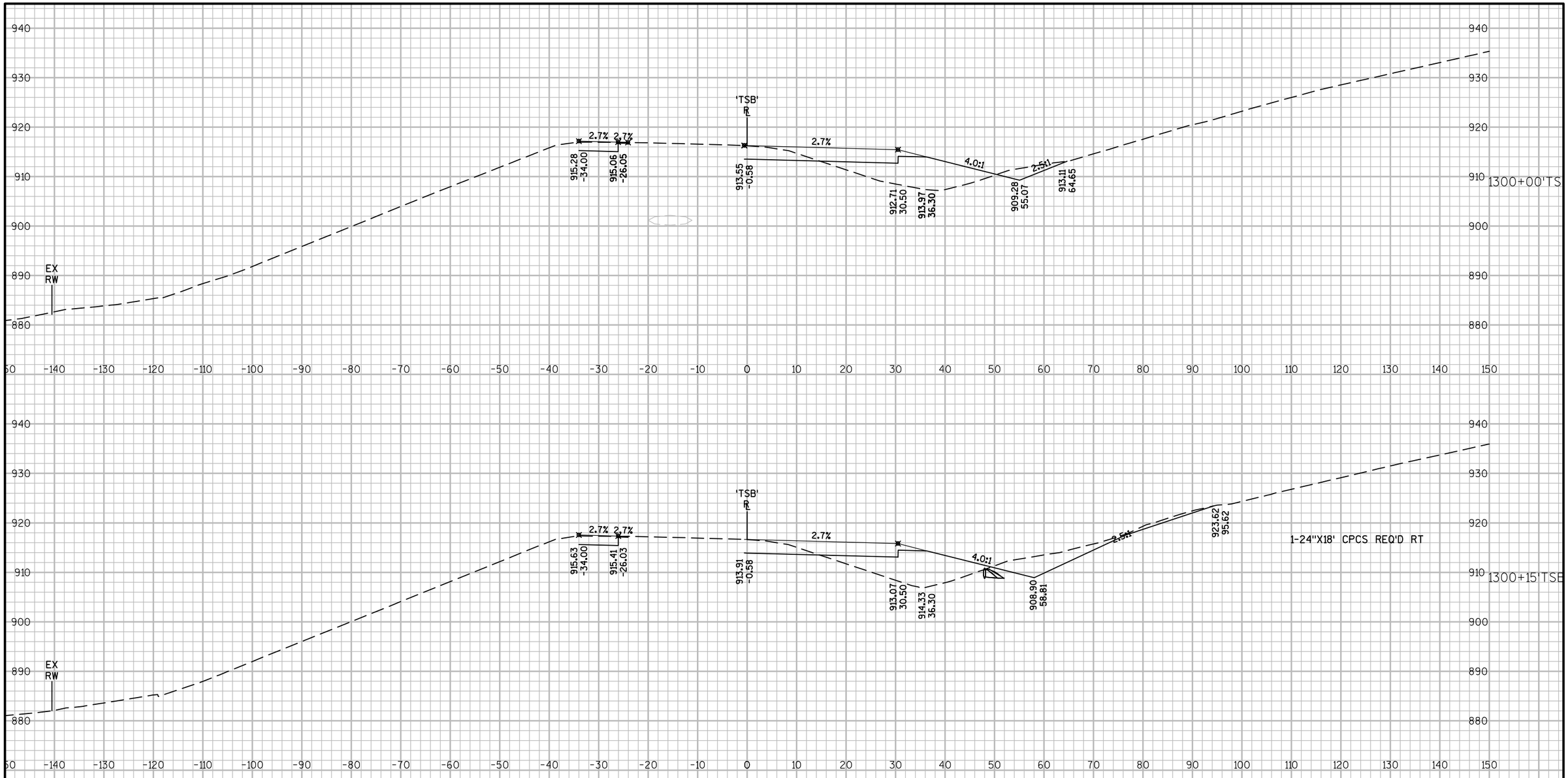
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 330	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090240_XS TC



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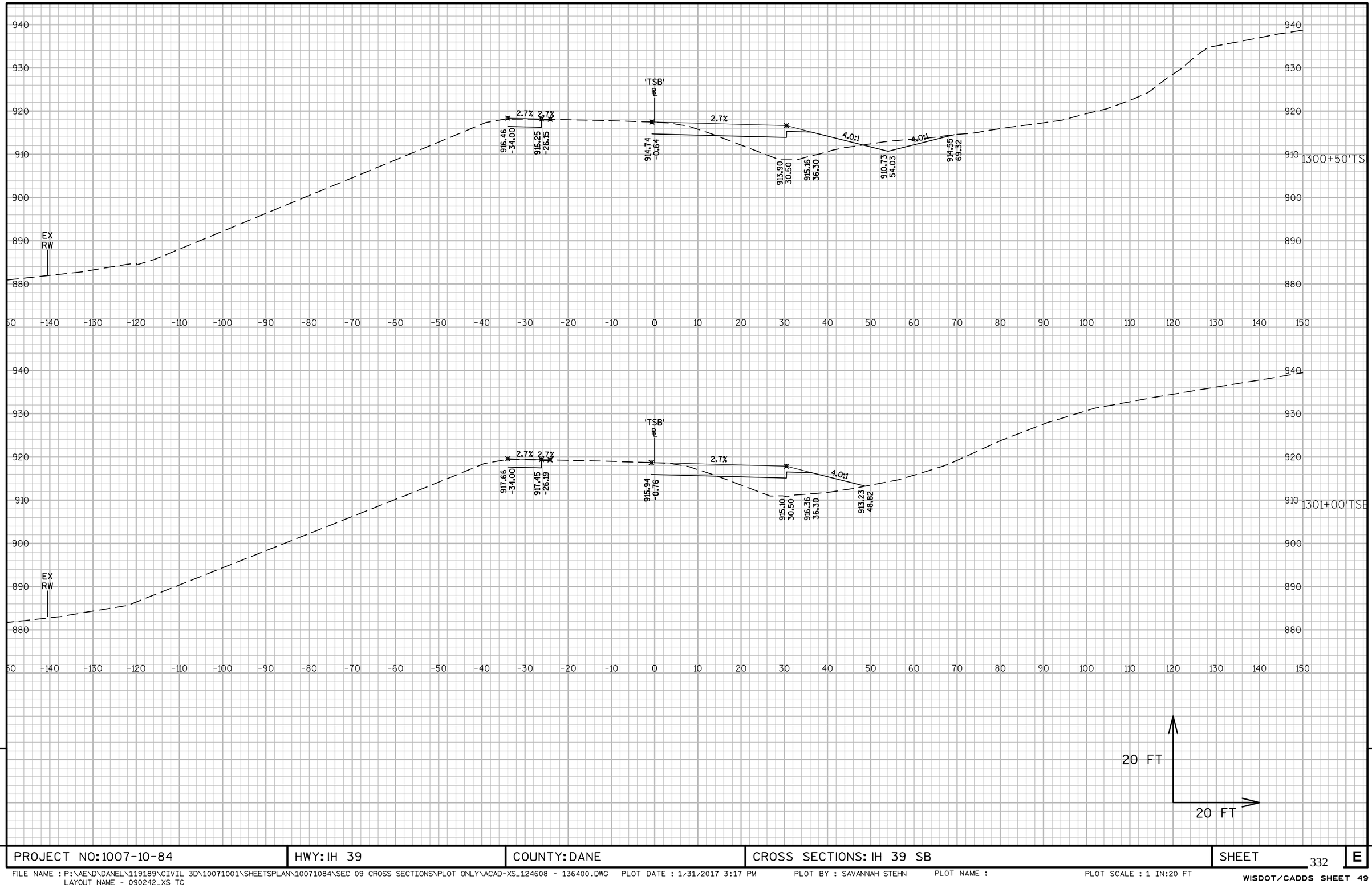
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 331	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090241_XS TC



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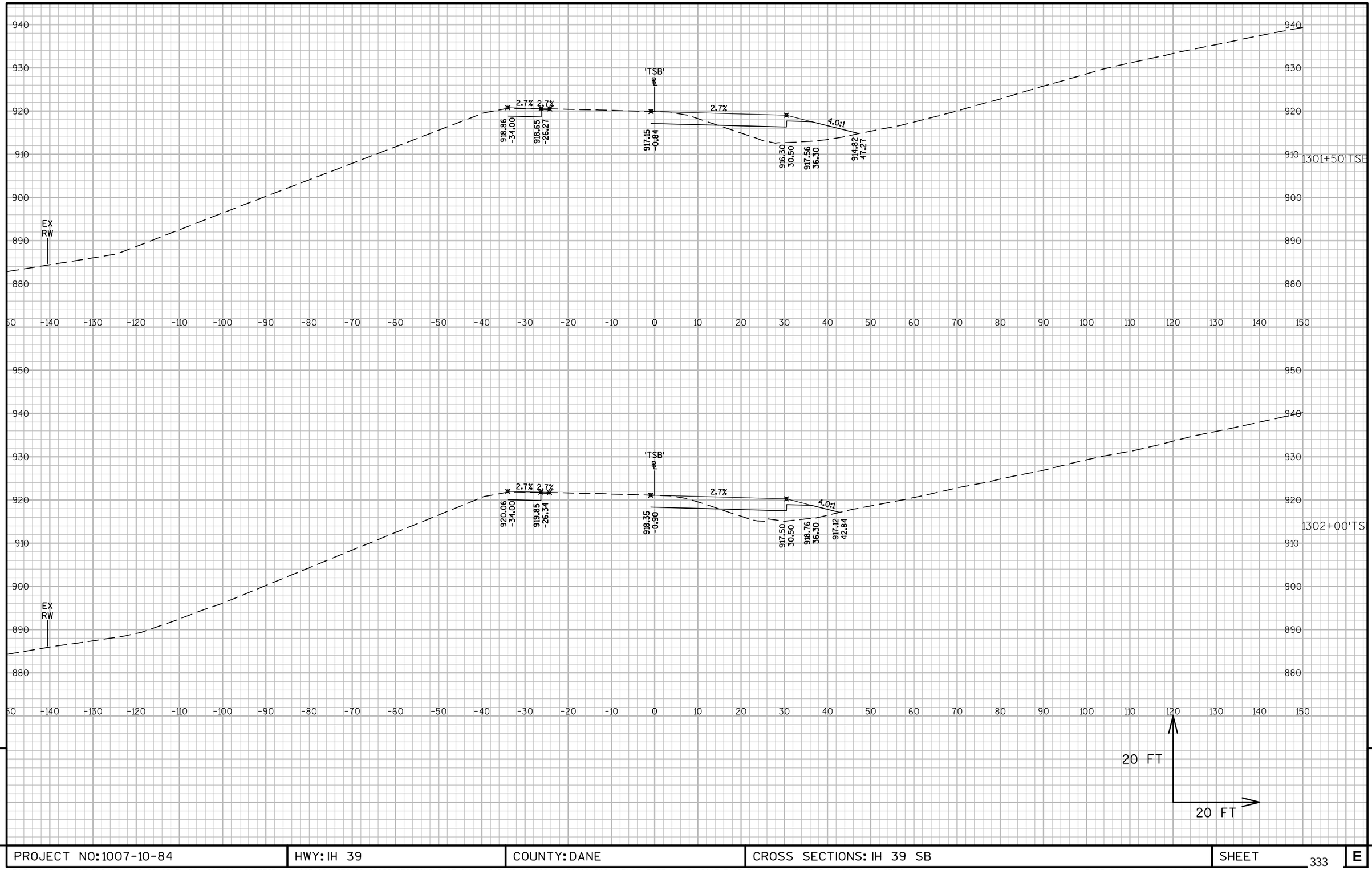
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 332	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090242_XS TC

WISDOT/CADDS SHEET 49



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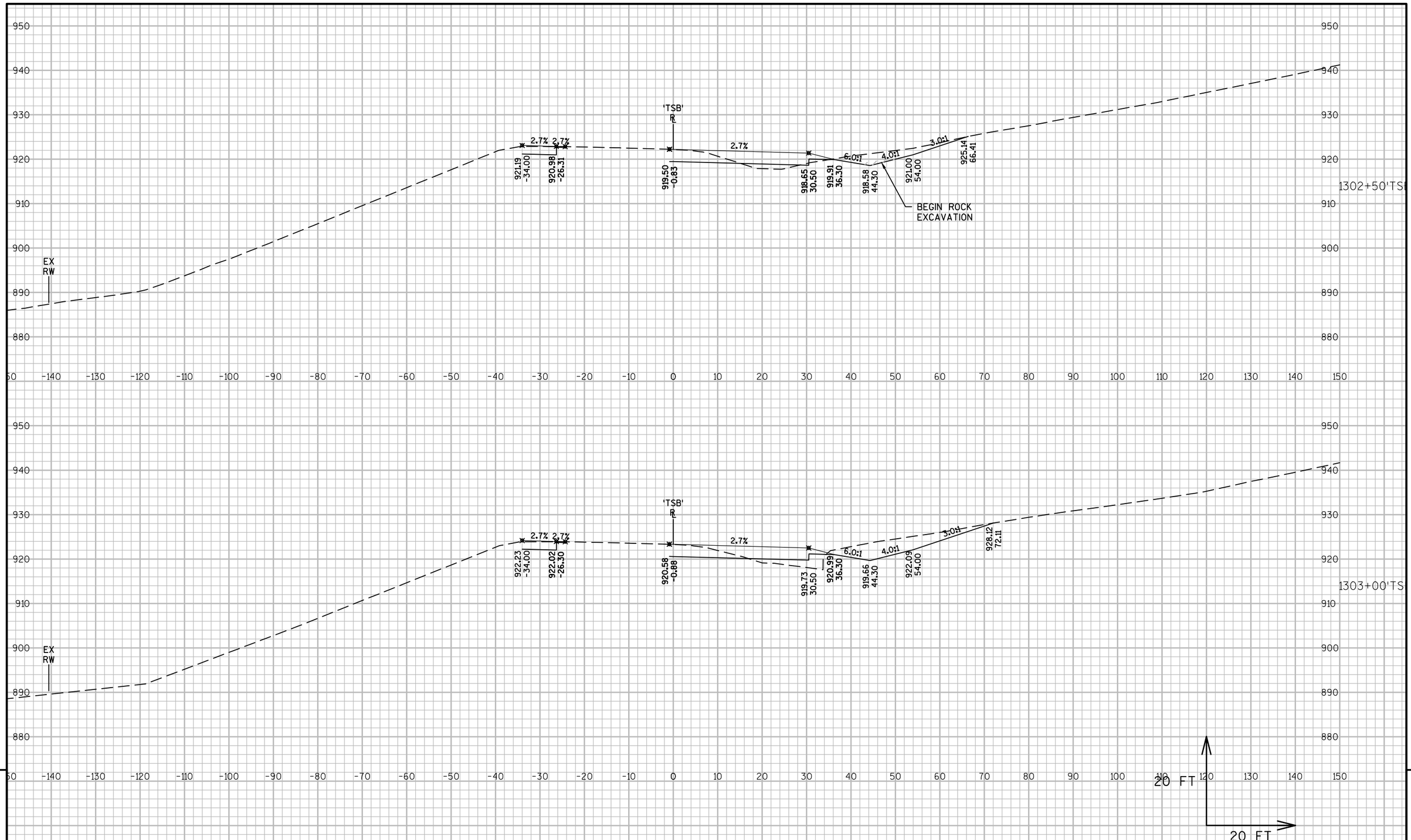
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 333	E

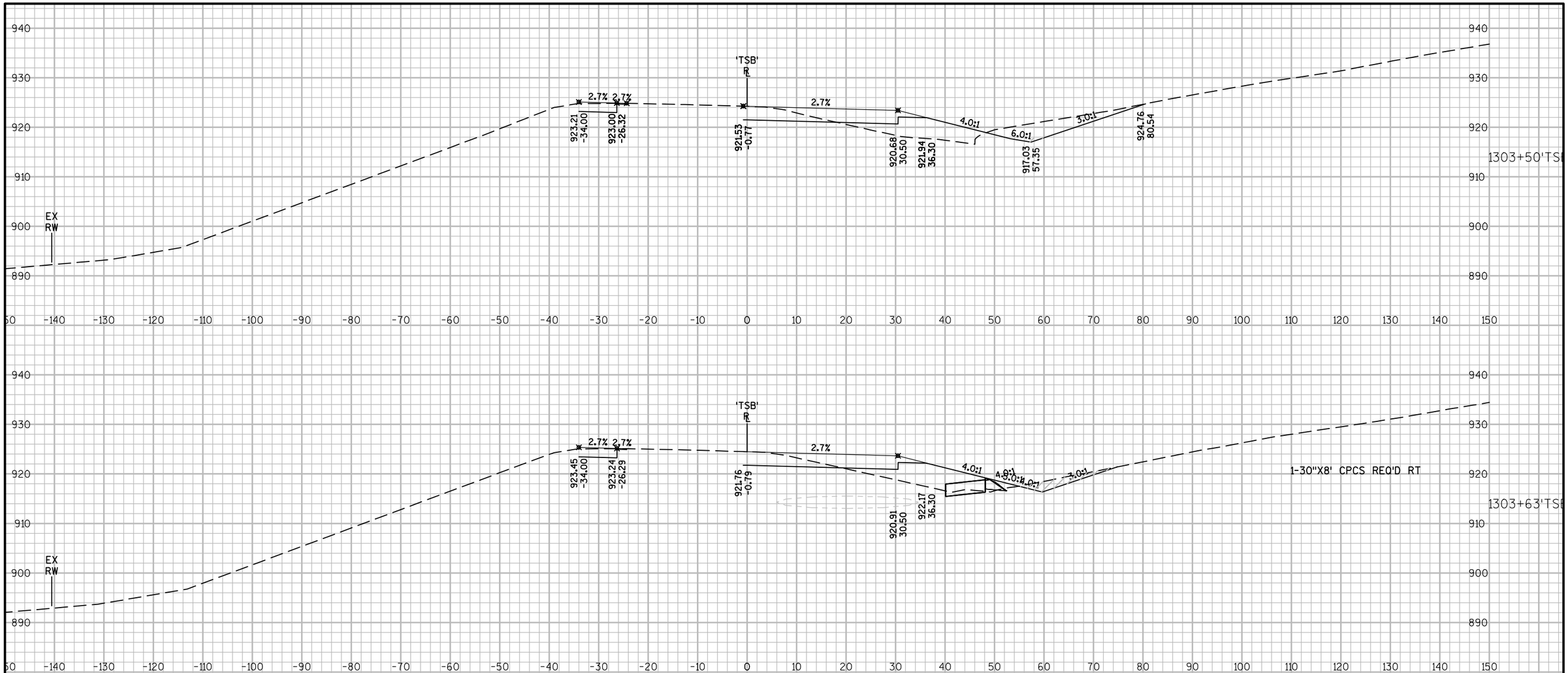
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090243_XS TC
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 334	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090244_XS TC

WISDOT/CADDS SHEET 49



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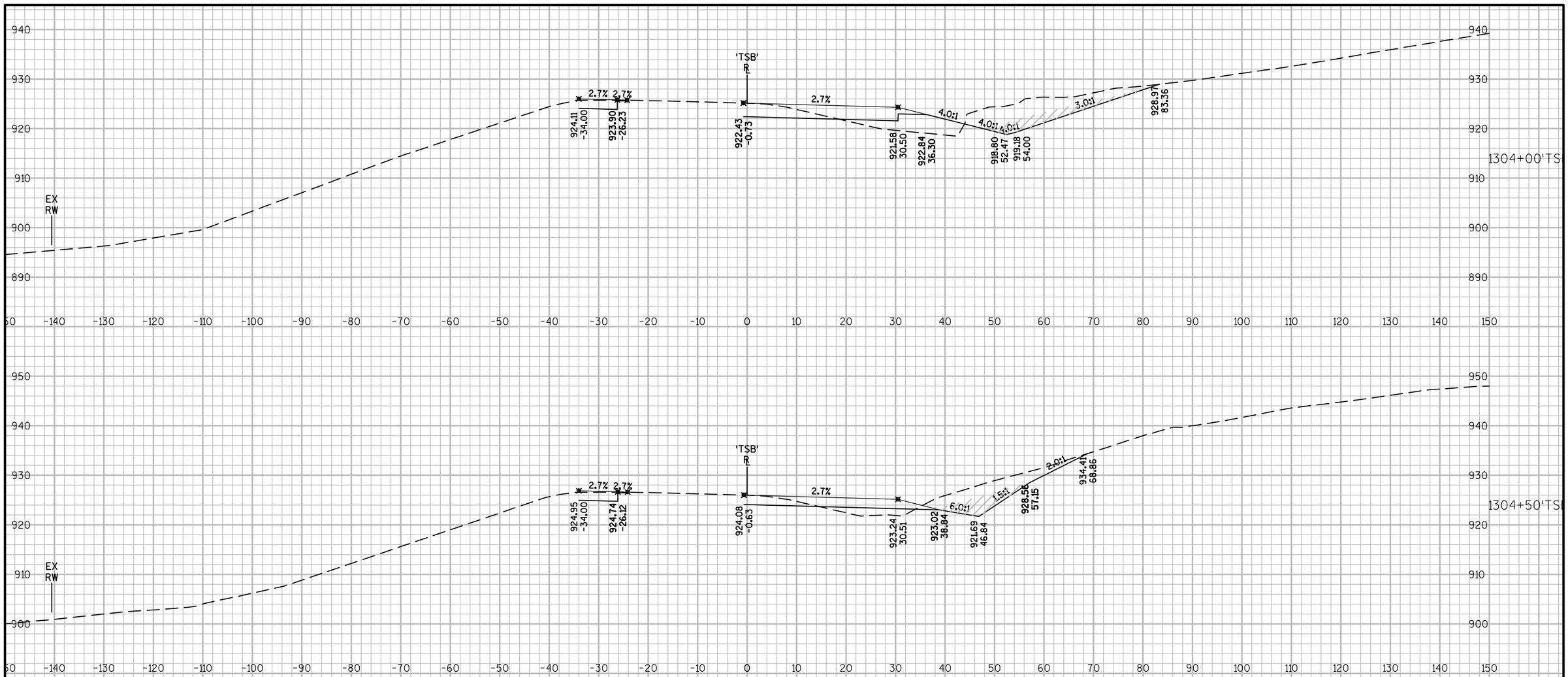
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 335	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090245_XS TC



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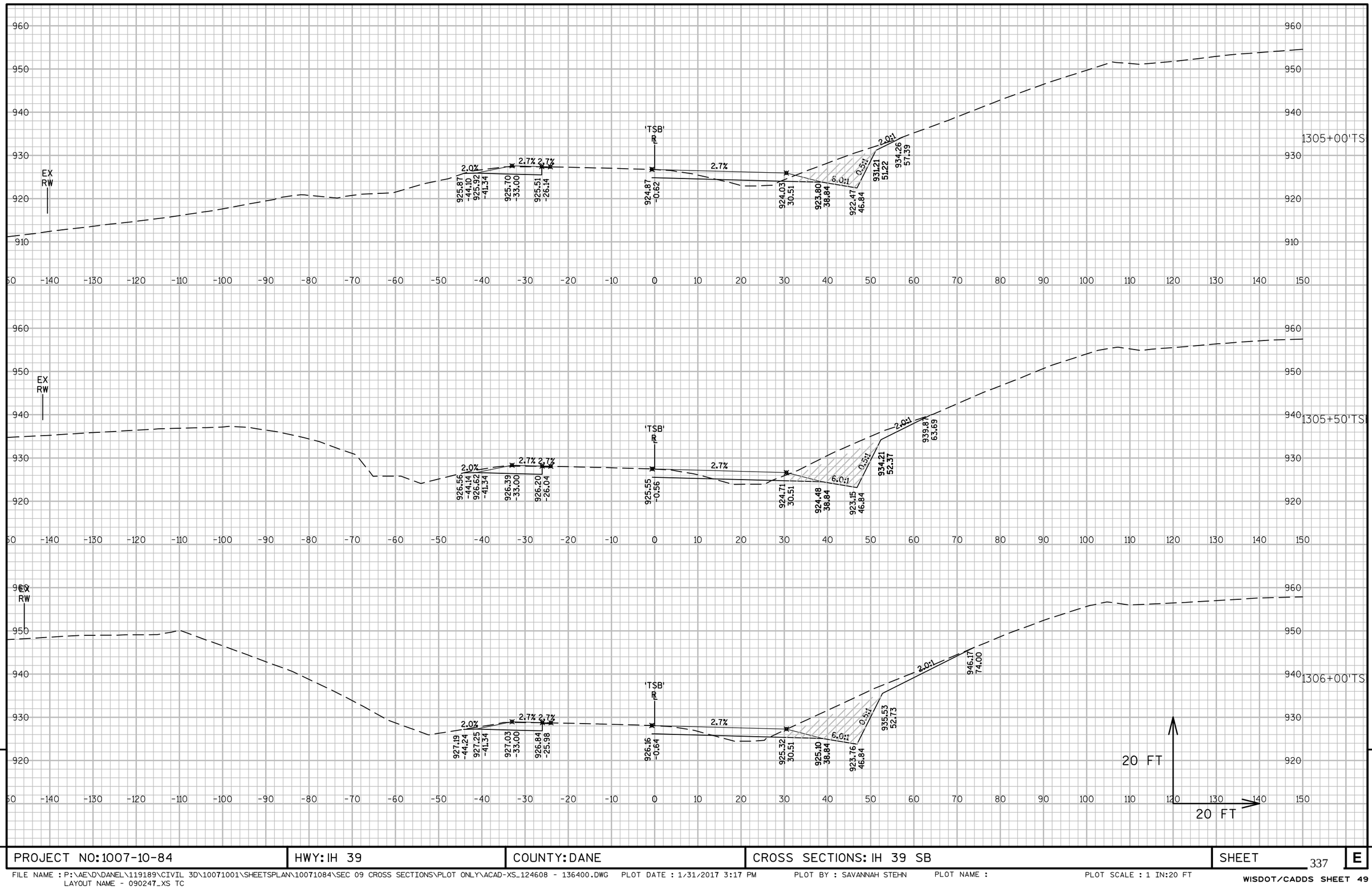
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 336	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090246_XS TC

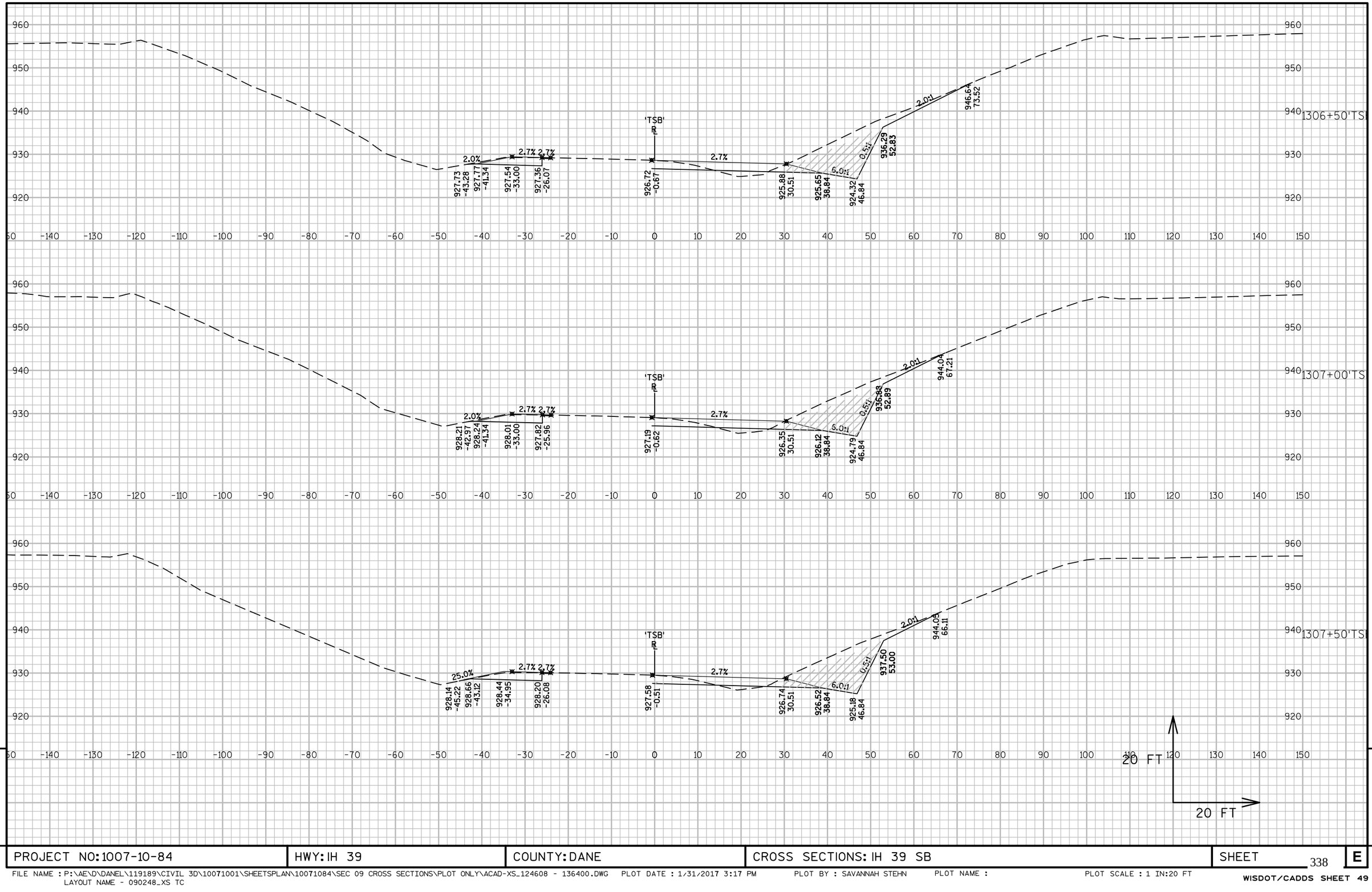
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 337	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090247_XS TC

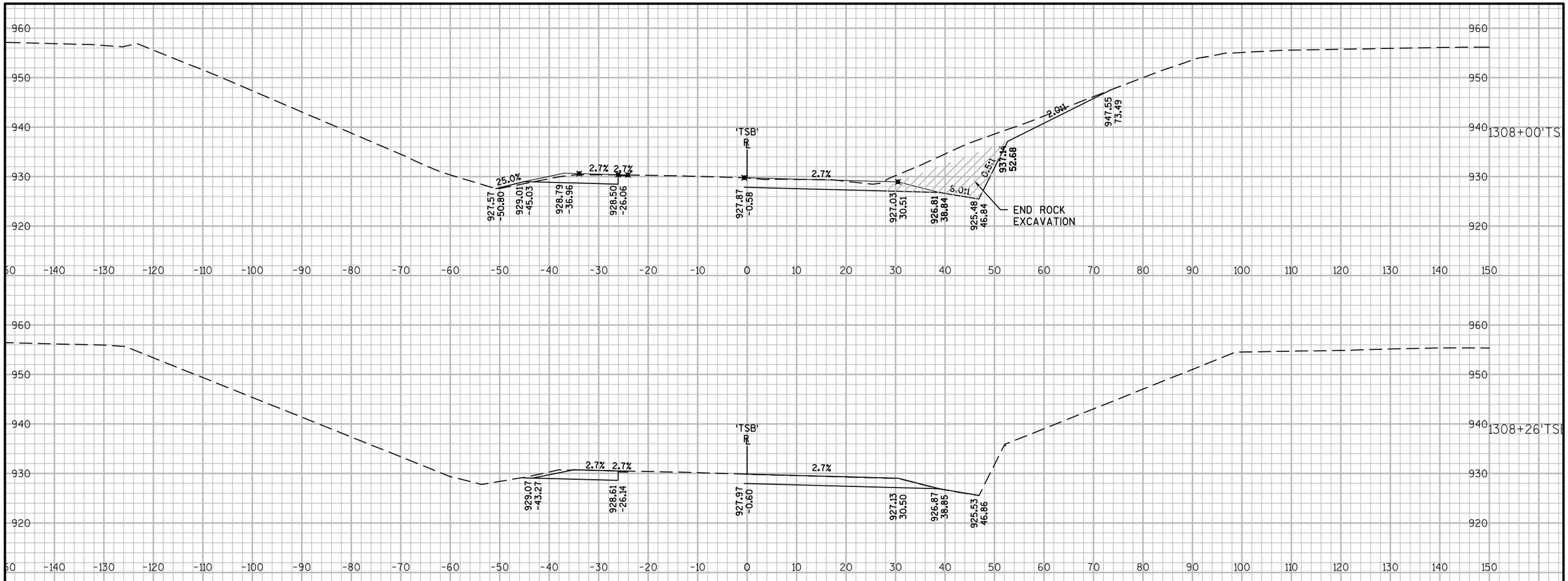
WISDOT/CADDS SHEET 49



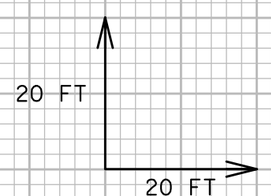
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 338	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090248_XS TC

WISDOT/CADDS SHEET 49



END CONSTRUCTION
STA 1308+26'TSB'



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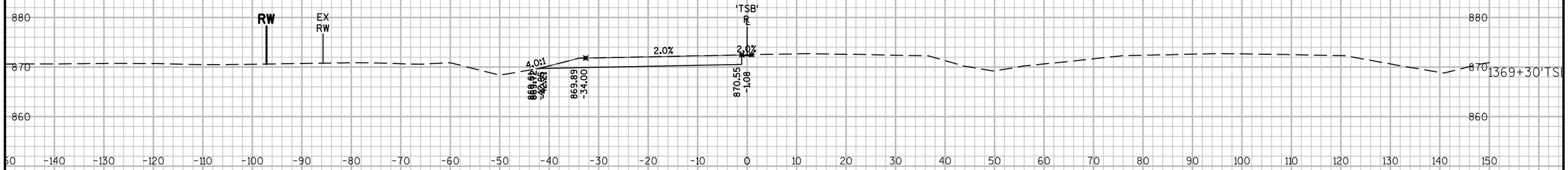
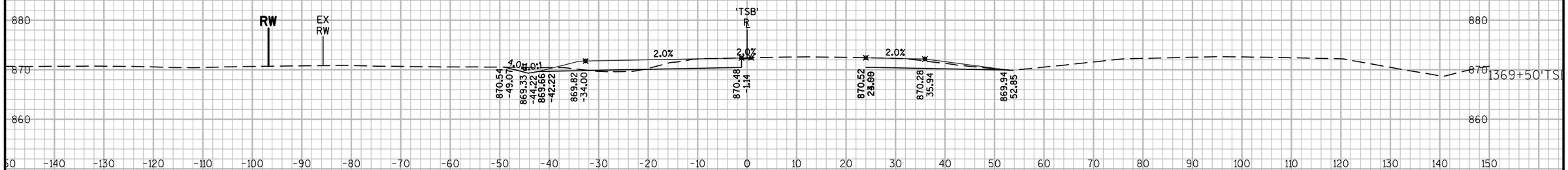
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 339	E

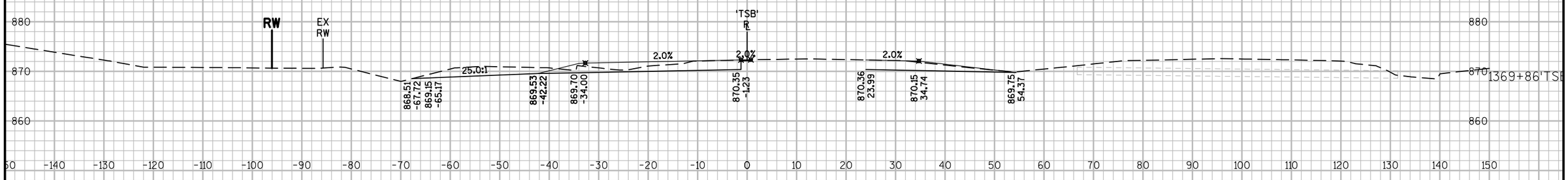
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_124608 - 136400.DWG PLOT DATE : 1/31/2017 3:17 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090249_XS TC

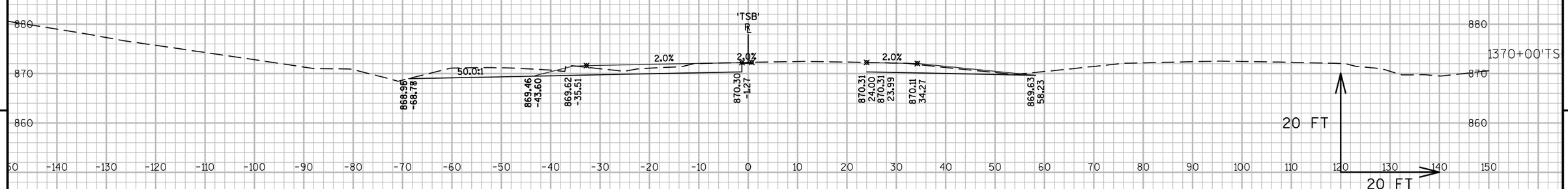
WISDOT/CADDS SHEET 49

BEGIN CONSTRUCTION
STA 1369+30'TSB'





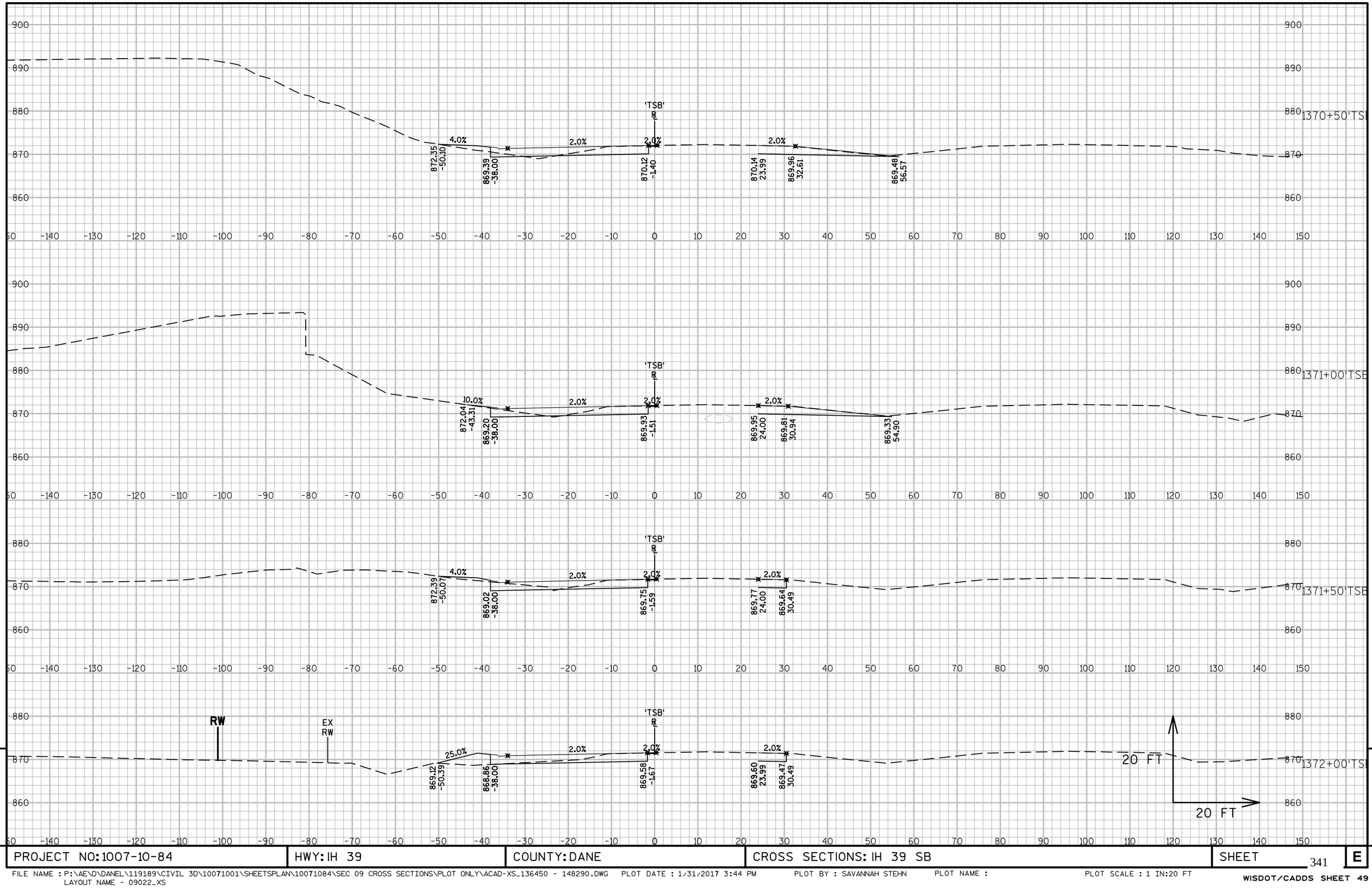




PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 340	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 09021_XS

WISDOT/CADDS SHEET 49



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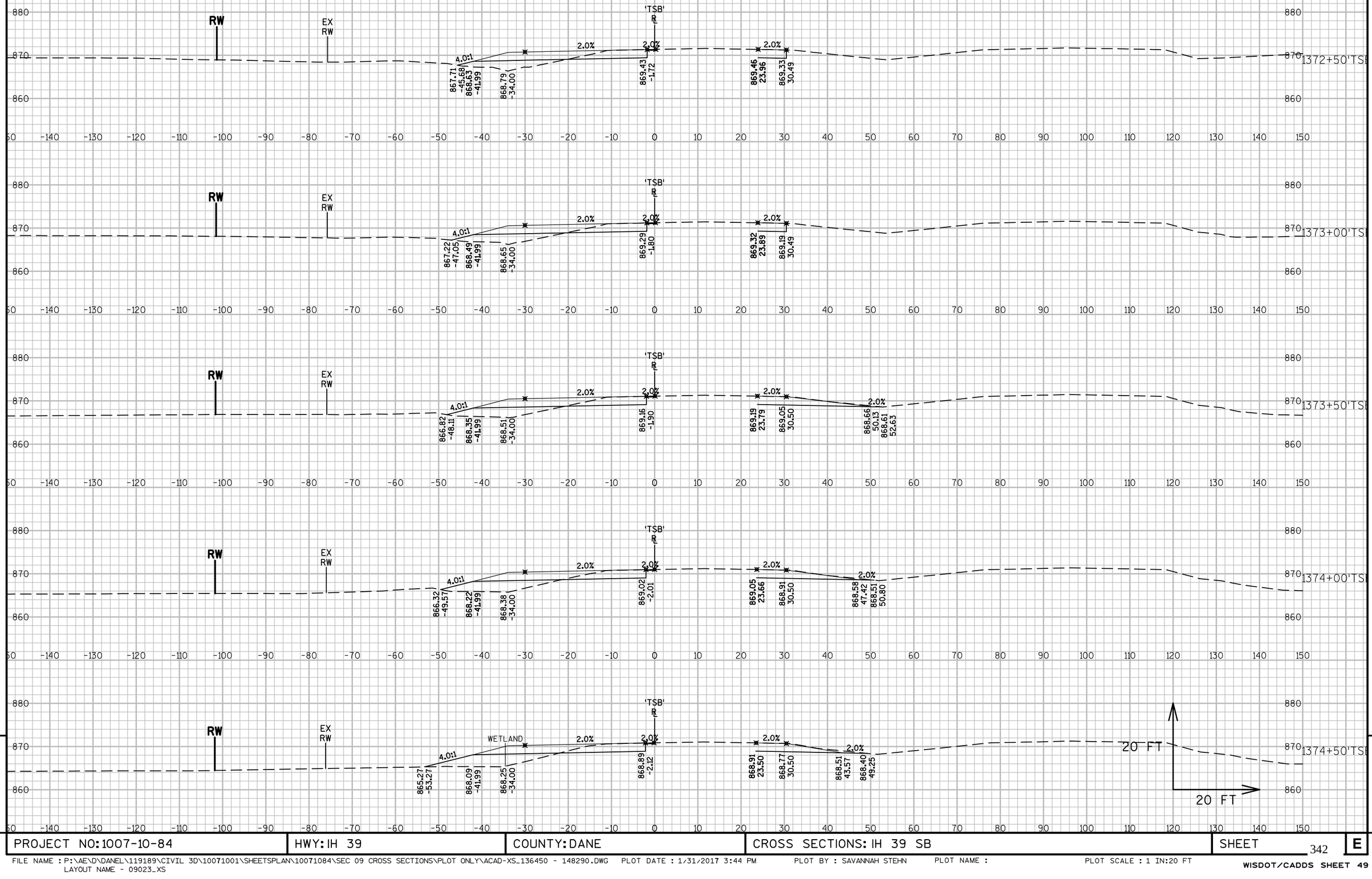
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 341	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 09022_XS

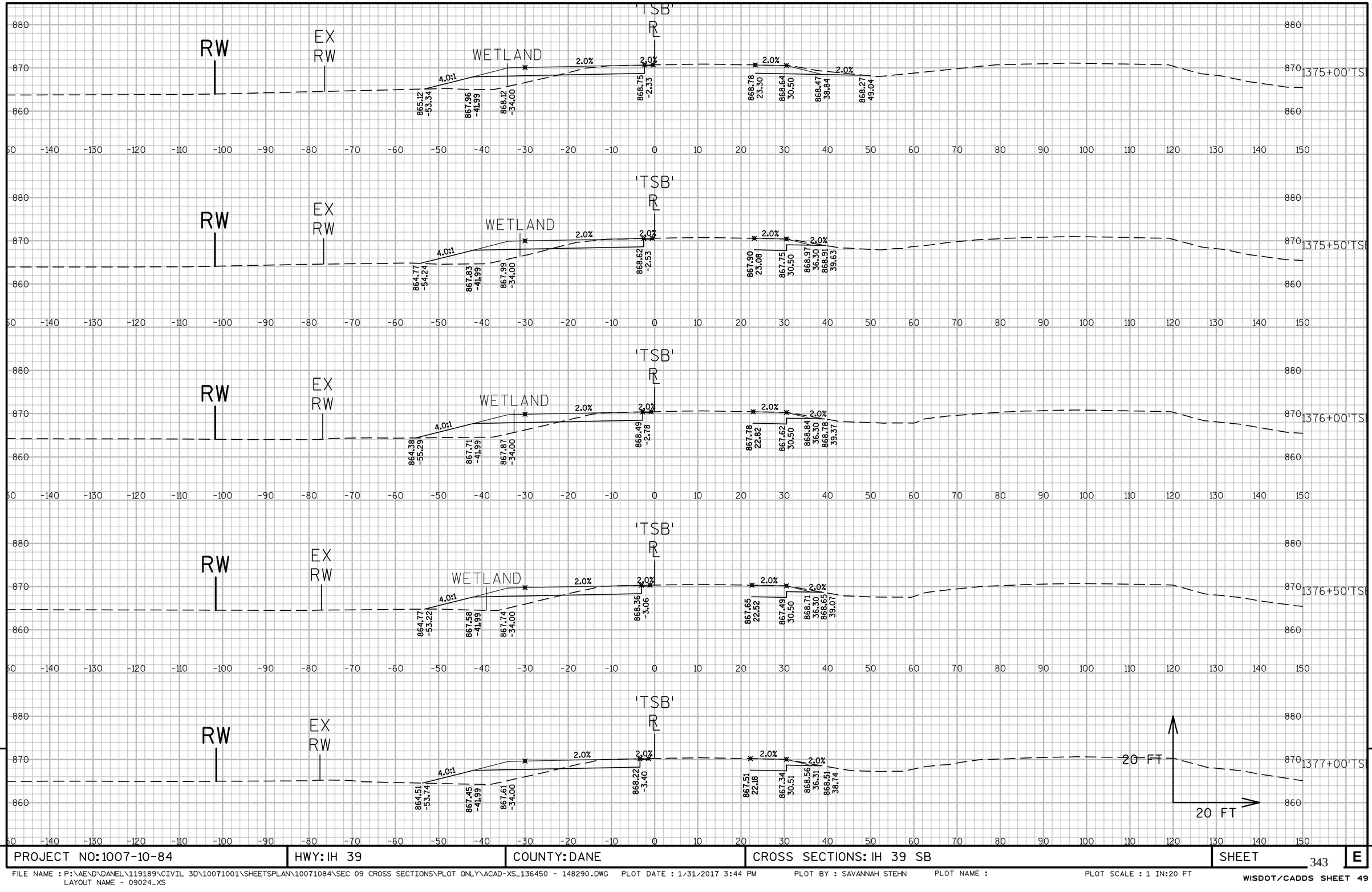


PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 342	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME :
LAYOUT NAME - 09023_XS

PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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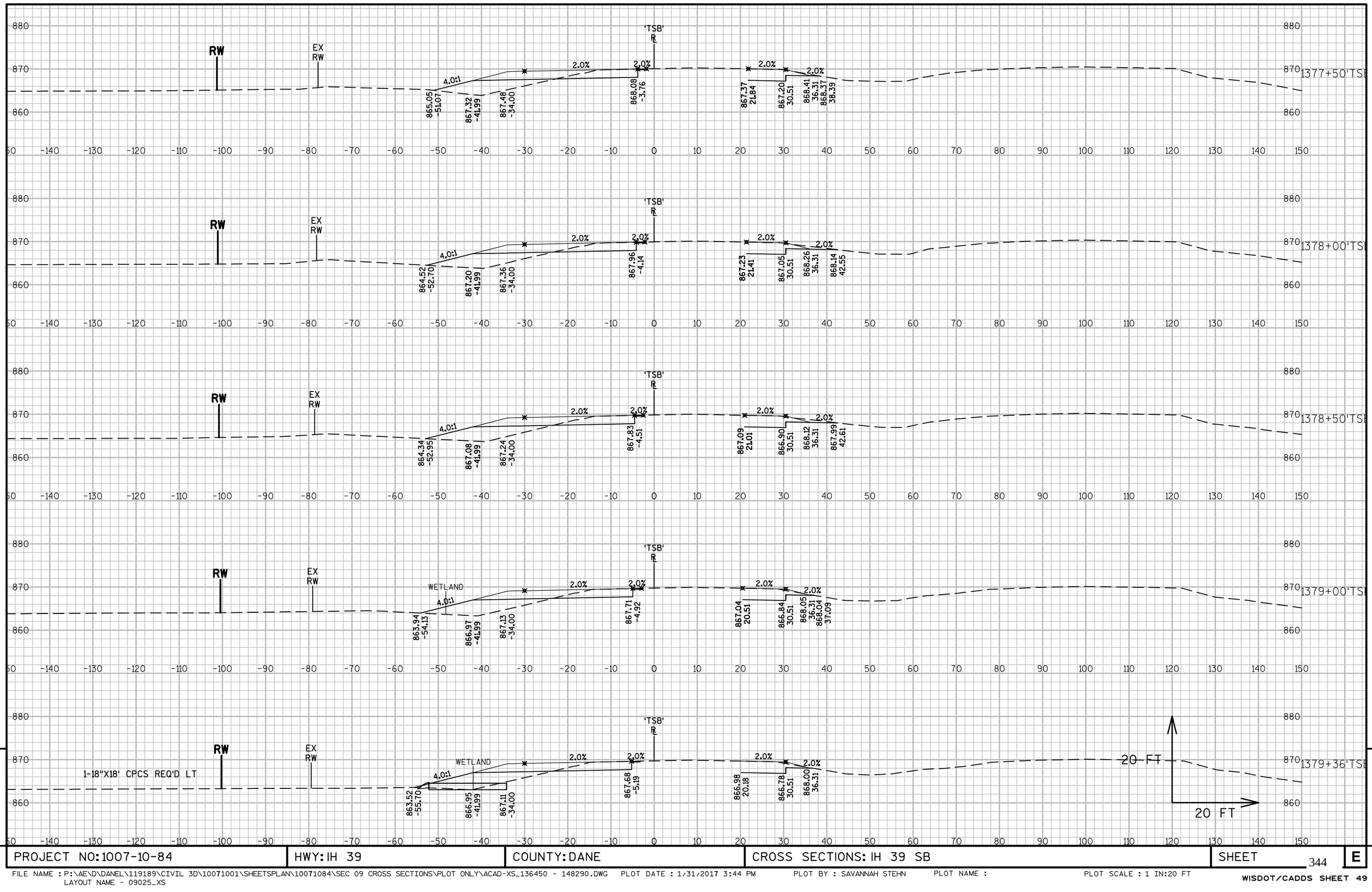
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 343	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 09024_XS

WISDOT/CADDS SHEET 49



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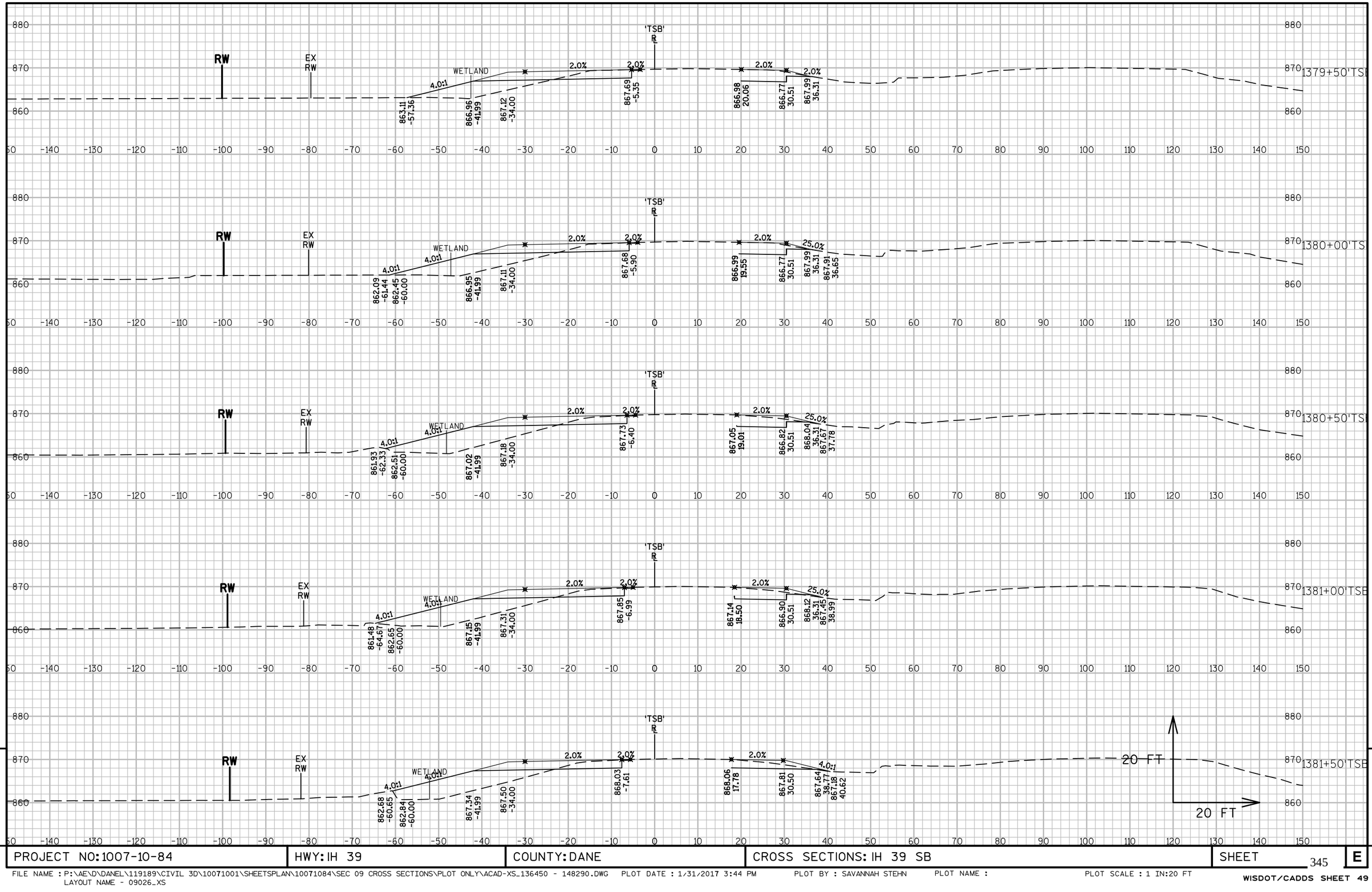
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 344	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 09025_XS



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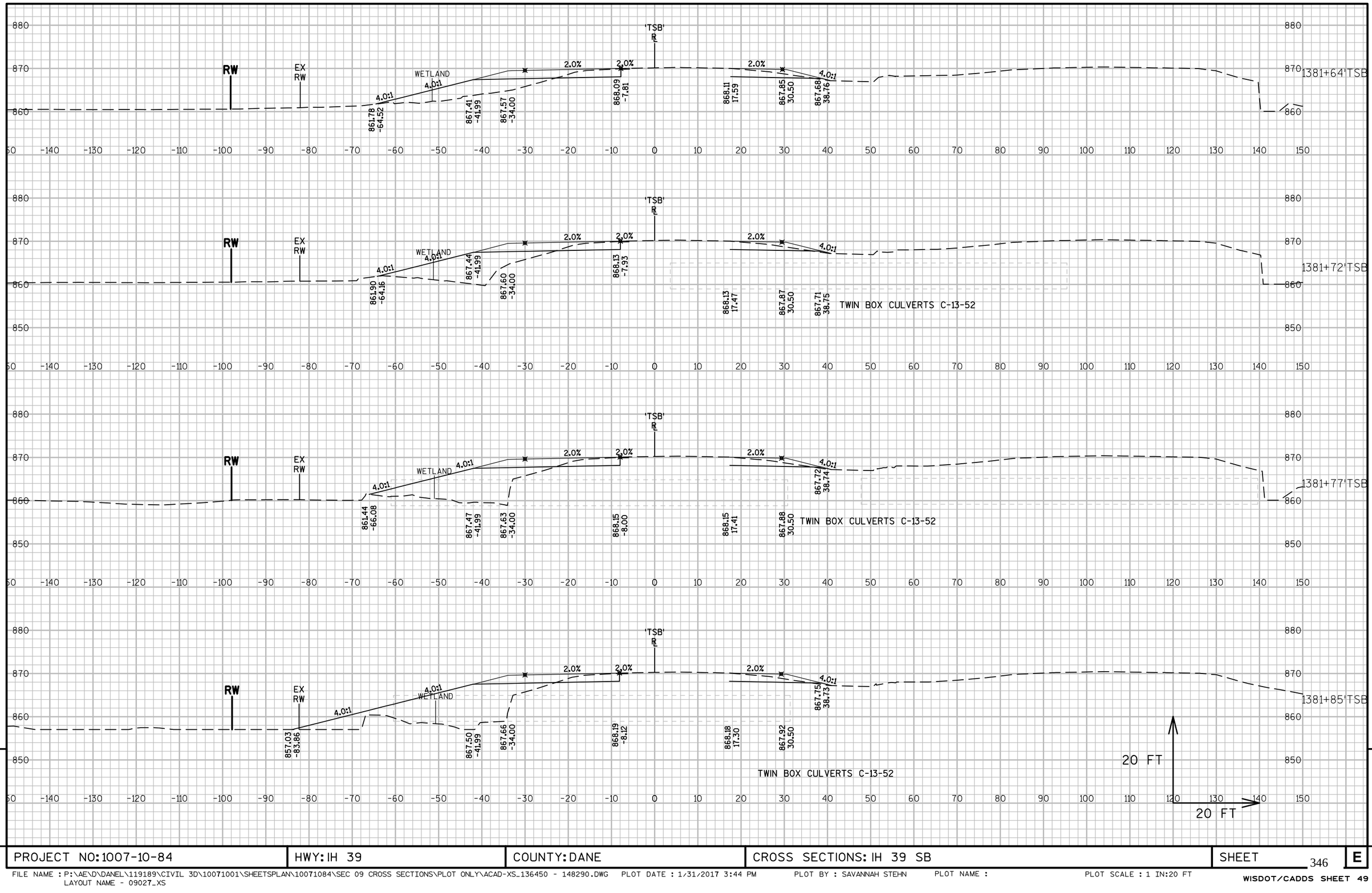
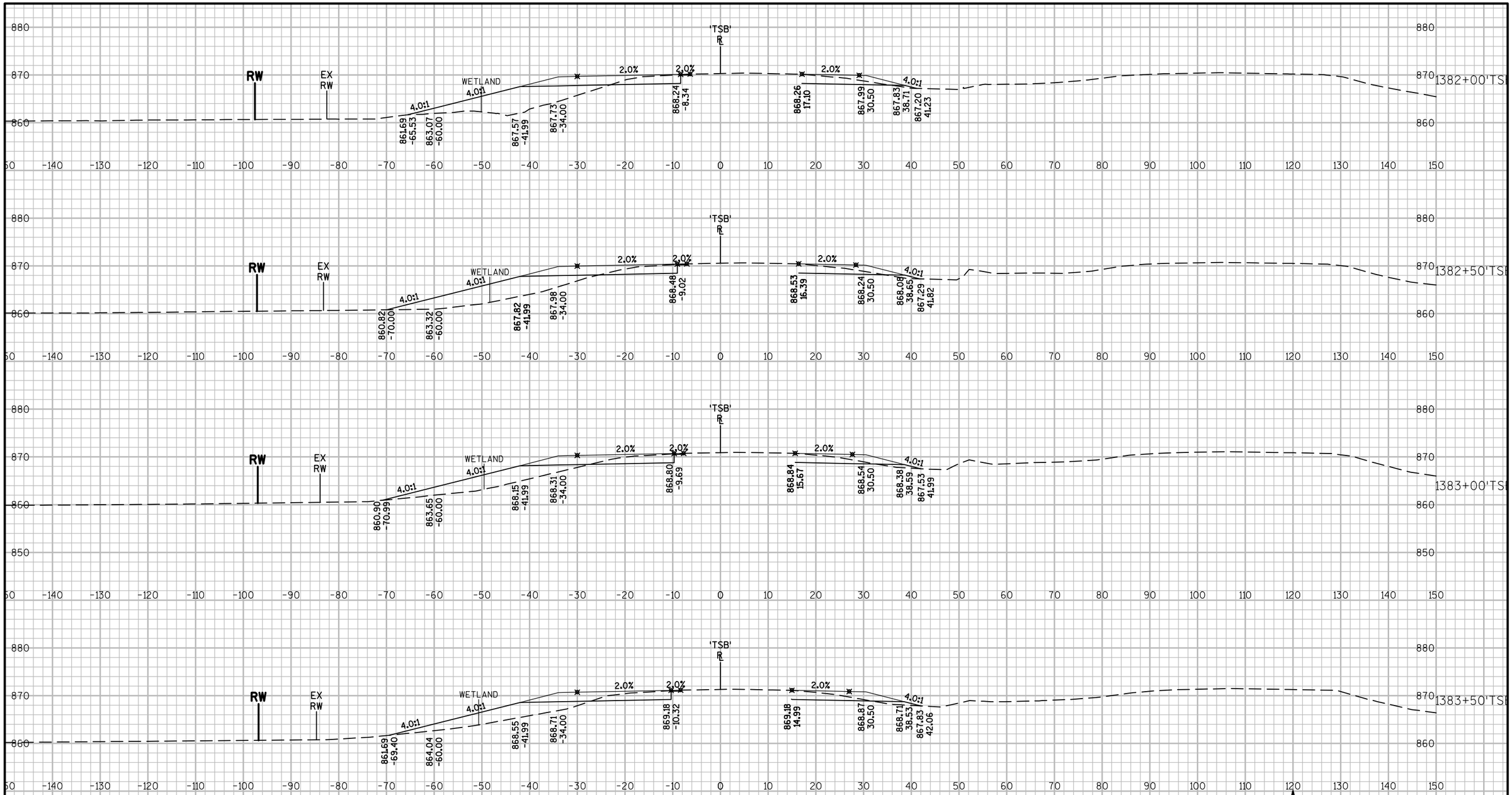
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 345	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 09026_XS



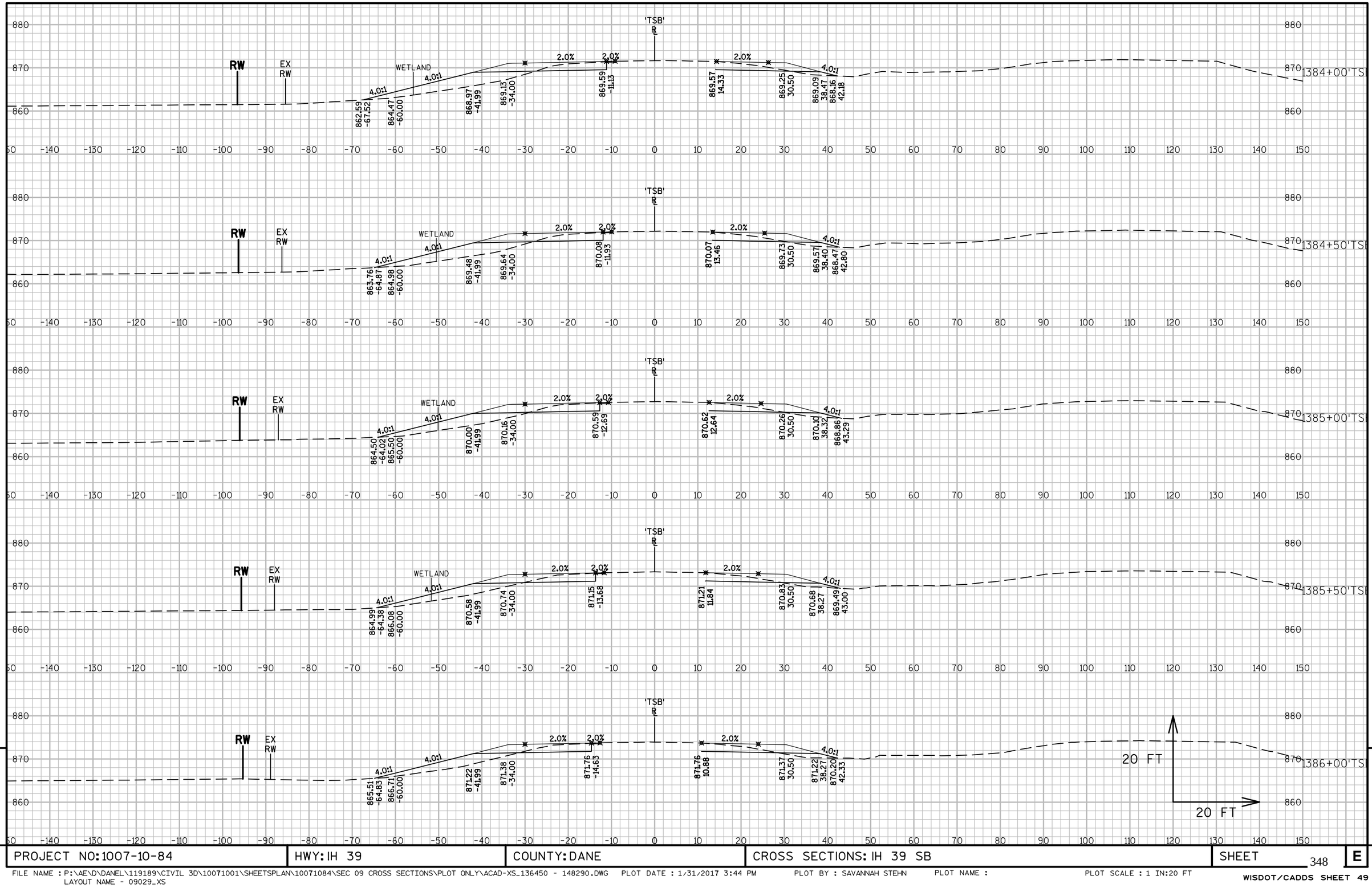
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 346	E



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 347	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 09028_XS

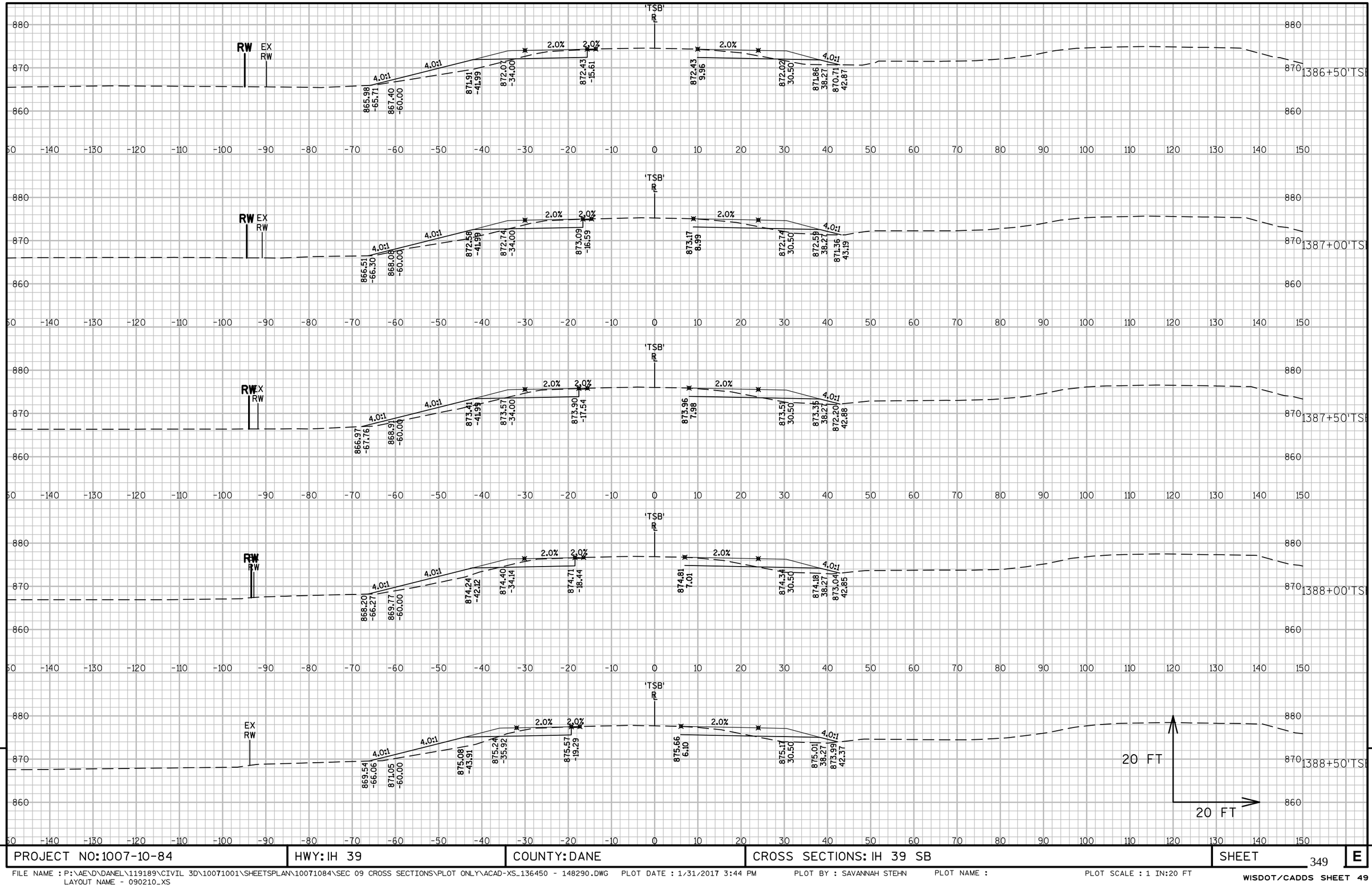
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 348	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 09029_XS

WISDOT/CADDS SHEET 49

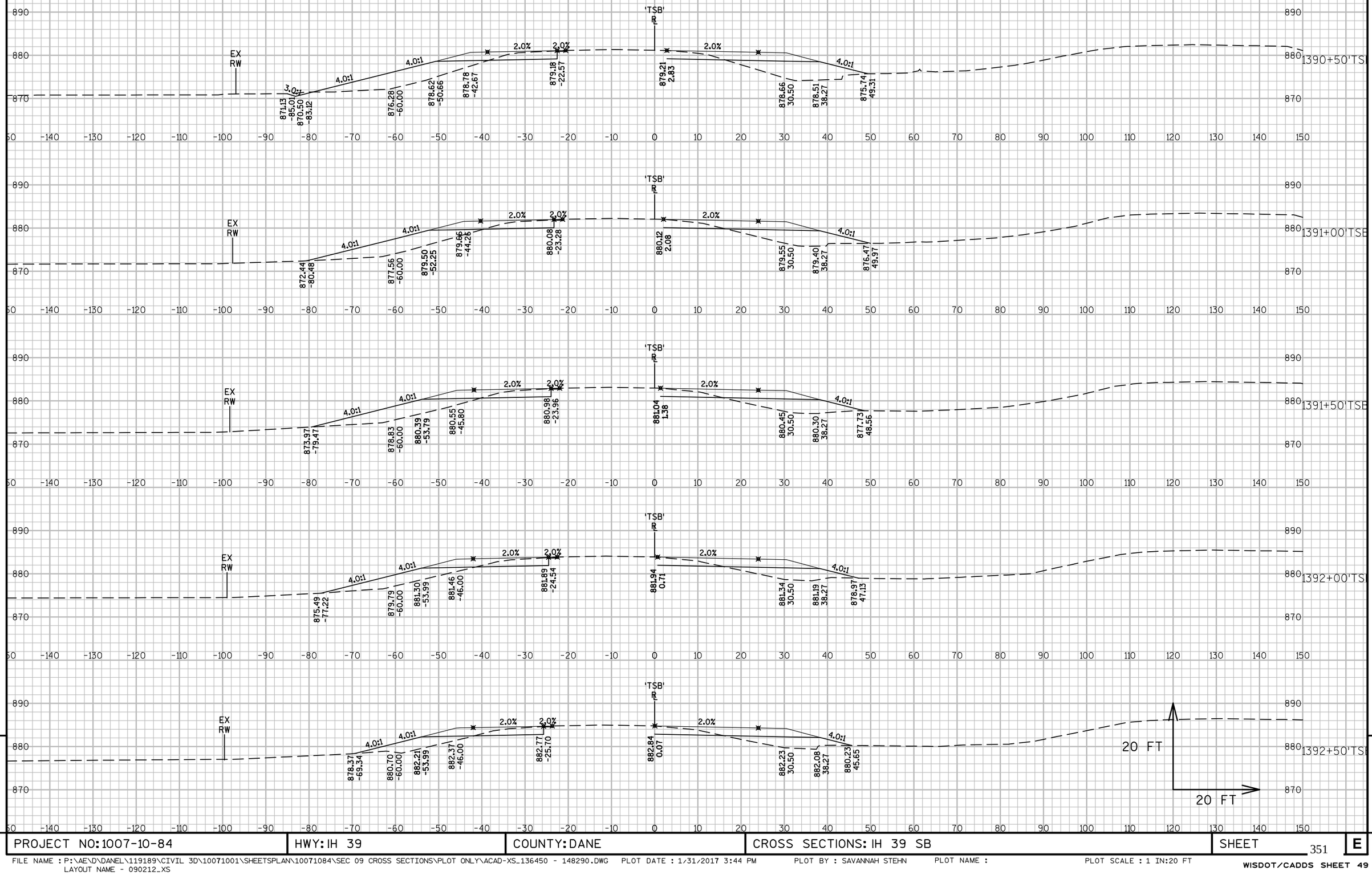


PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 349	E

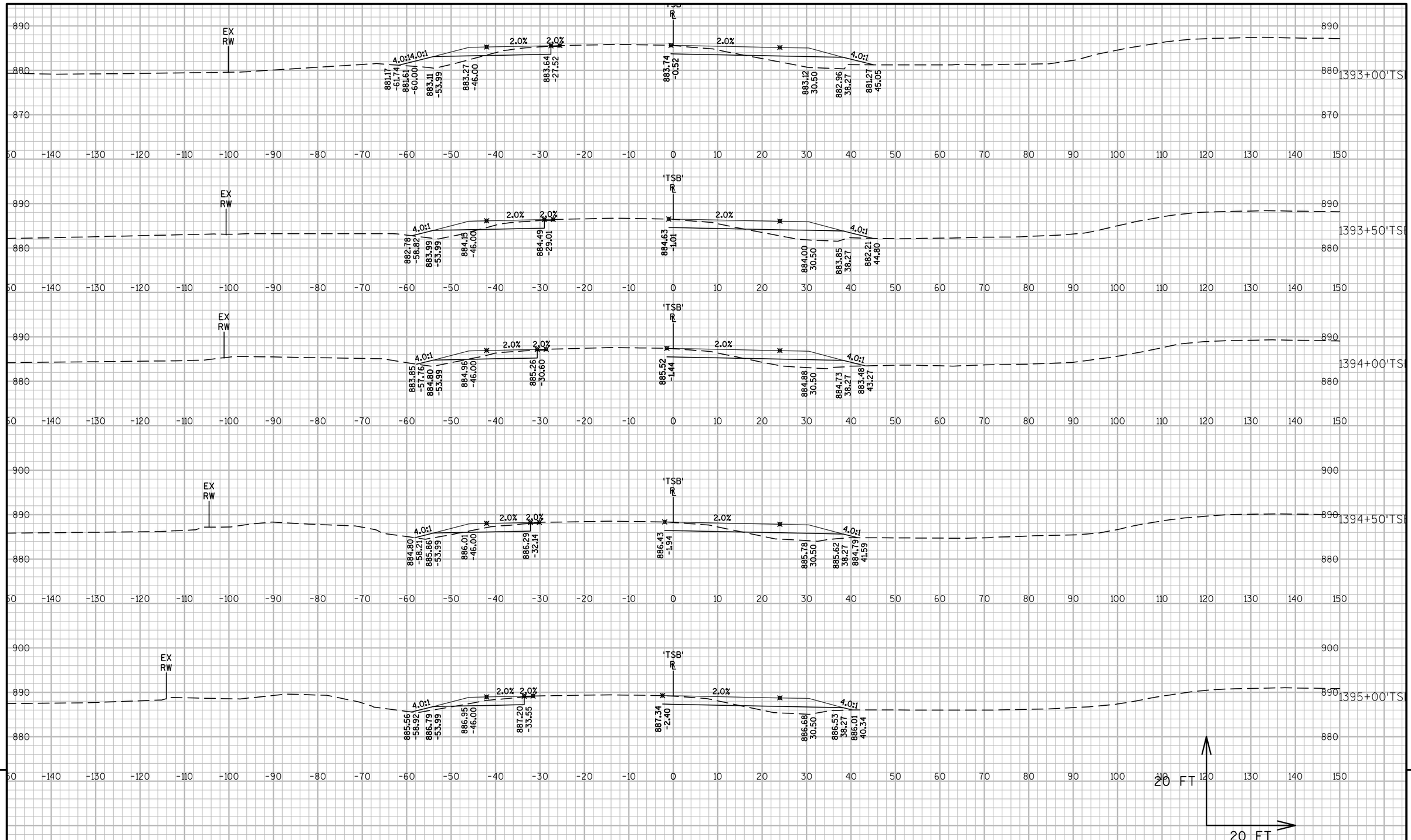
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 350	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090211_XS

WISDOT/CADDS SHEET 49

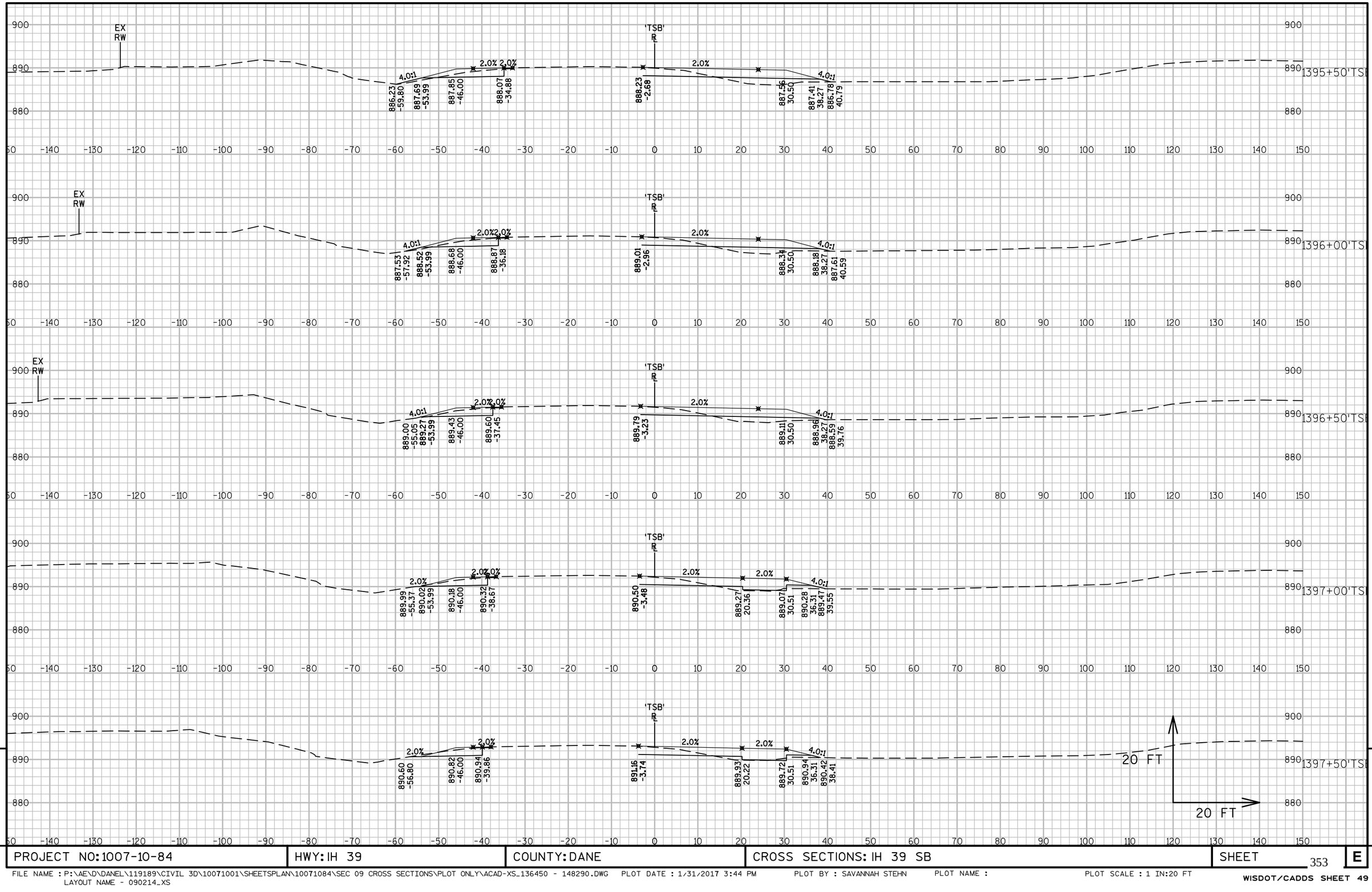


PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 351	E



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 352	E

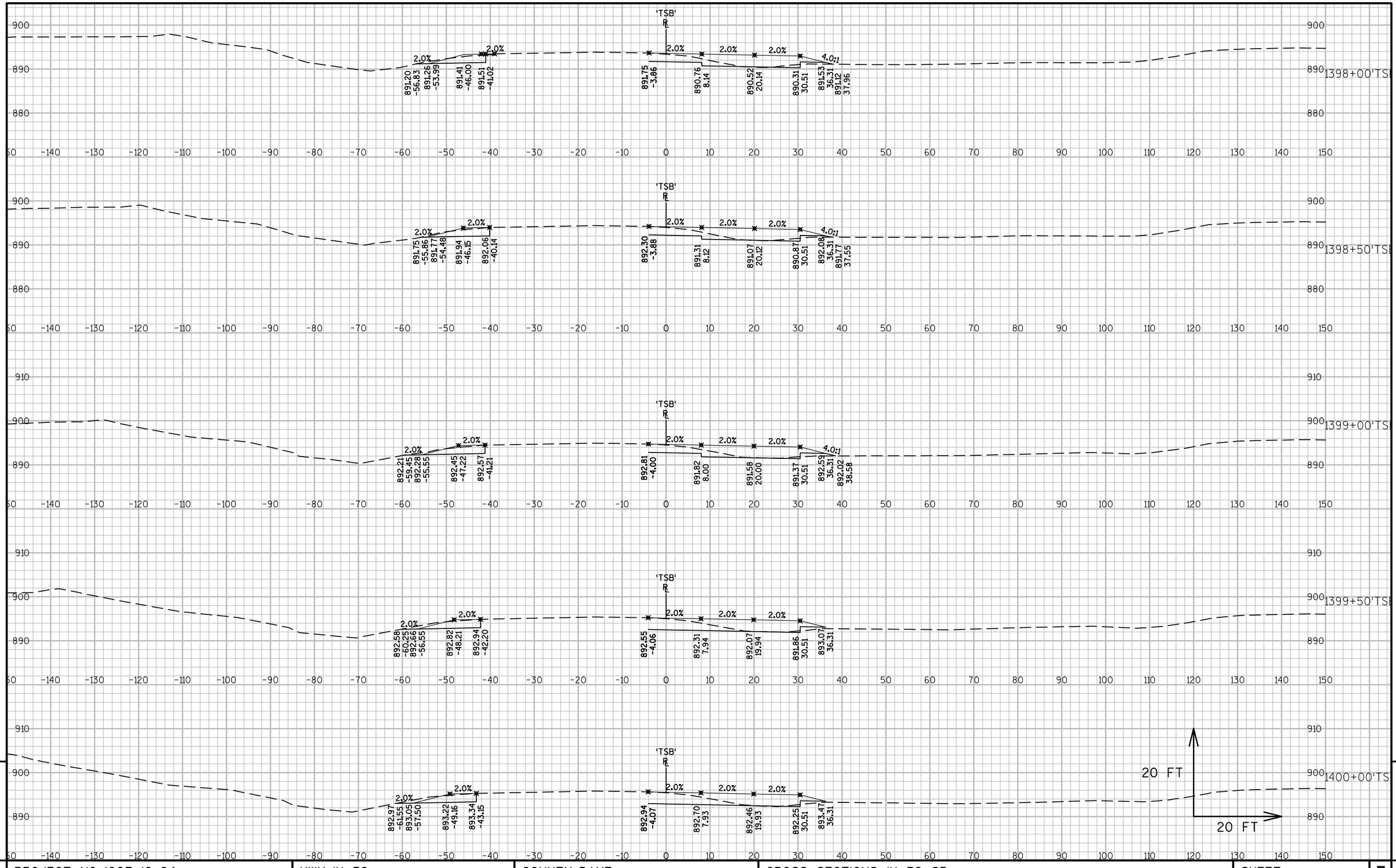
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090213_XS
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 353	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090214_XS

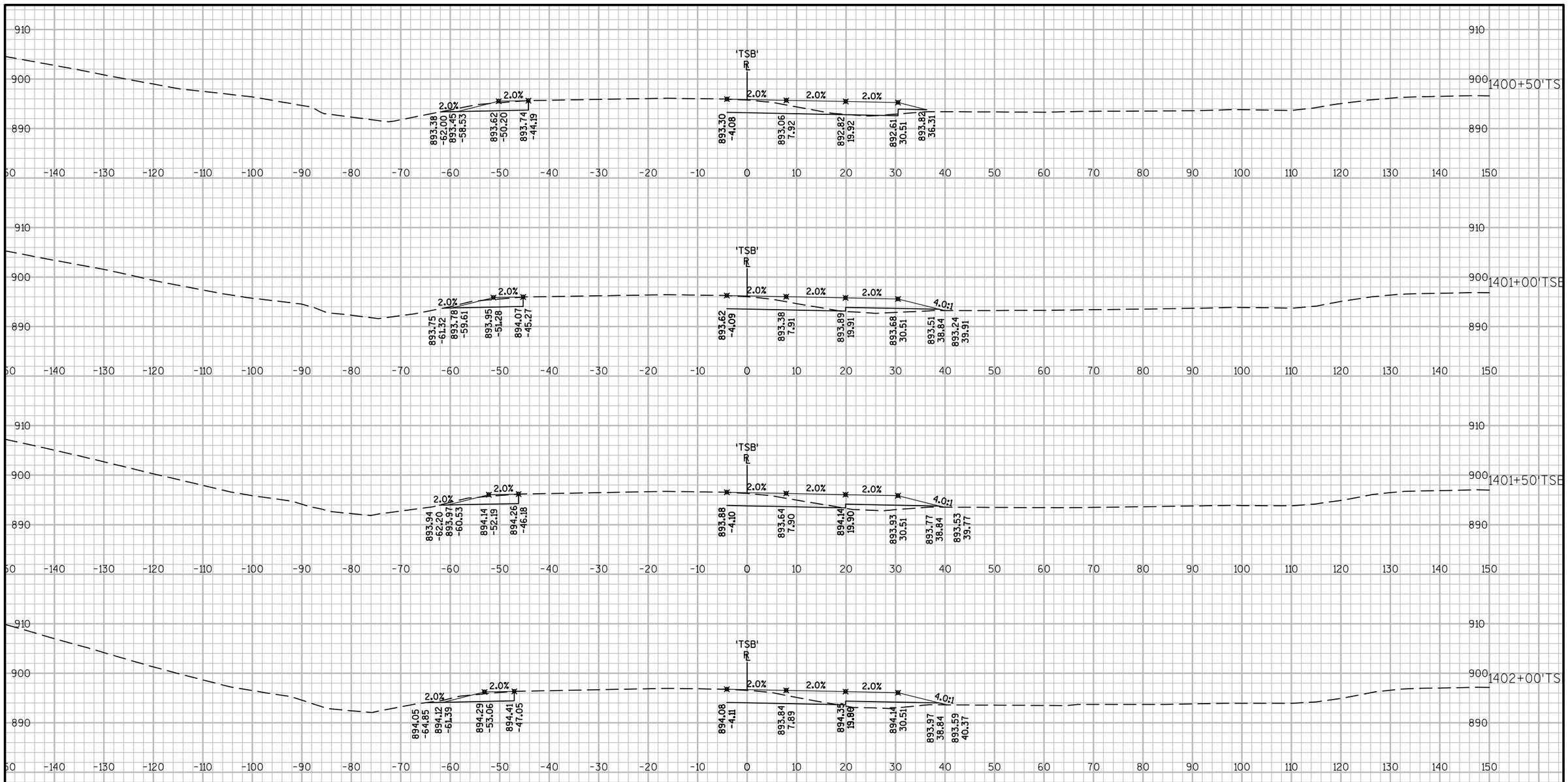
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 354	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090215_XS

WISDOT/CADDS SHEET 49



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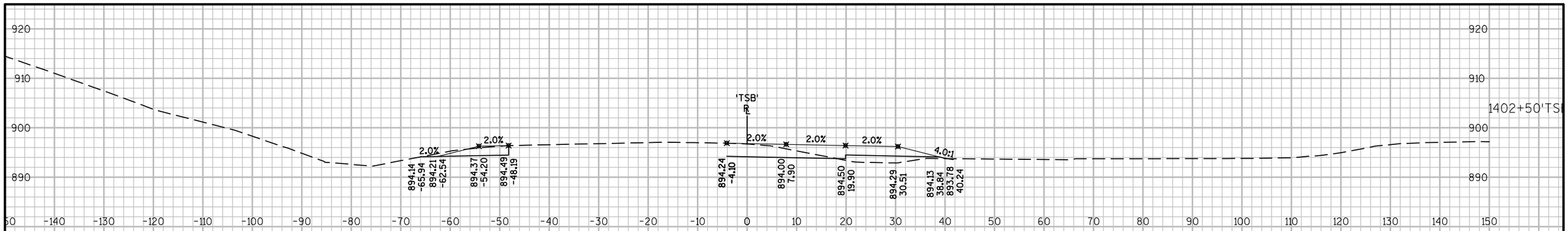
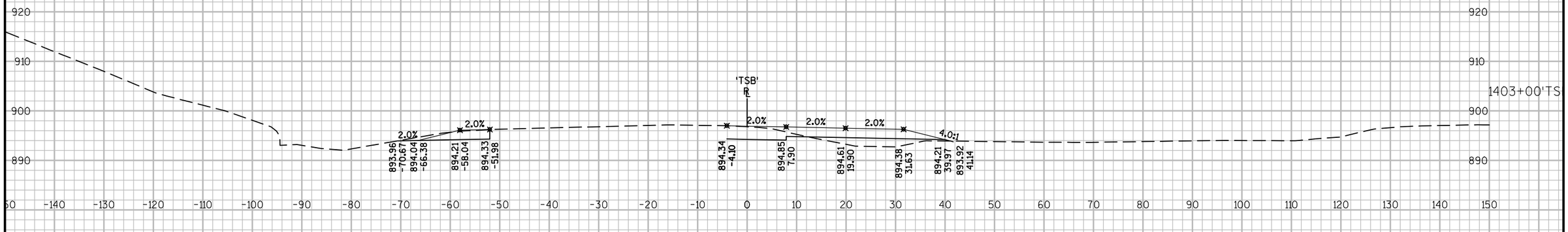
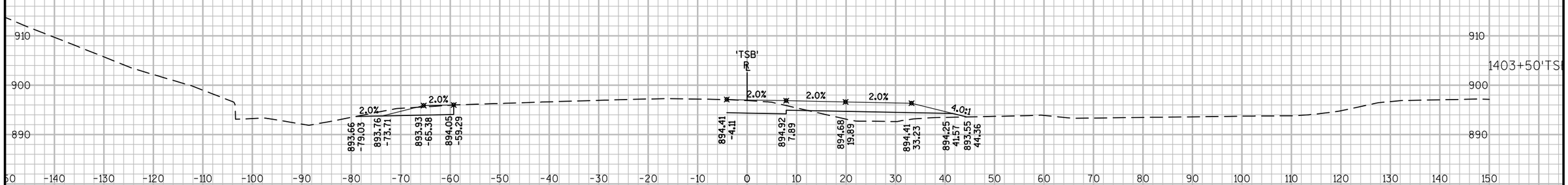
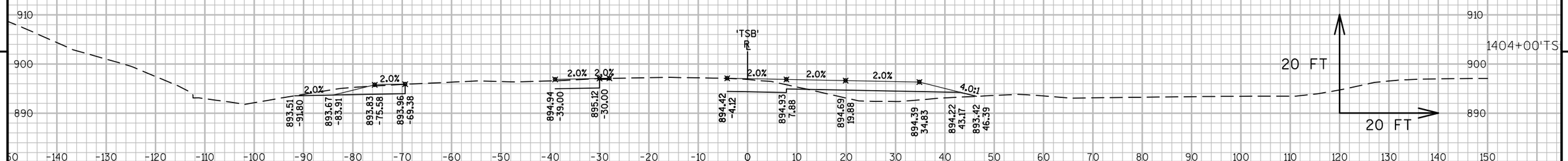
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 355	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090216_XS









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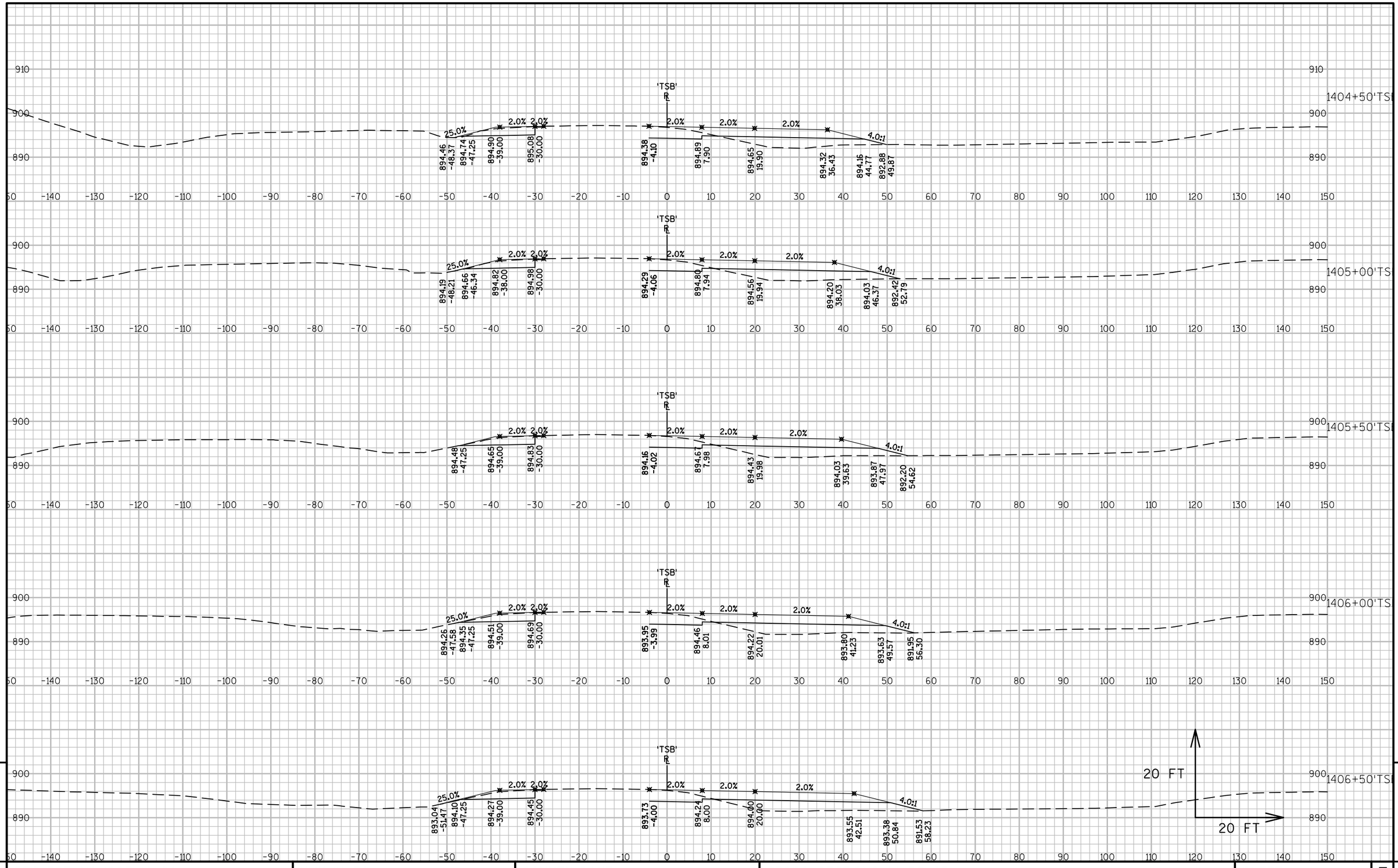
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 356 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090217_XS
WISDOT/CADDS SHEET 49



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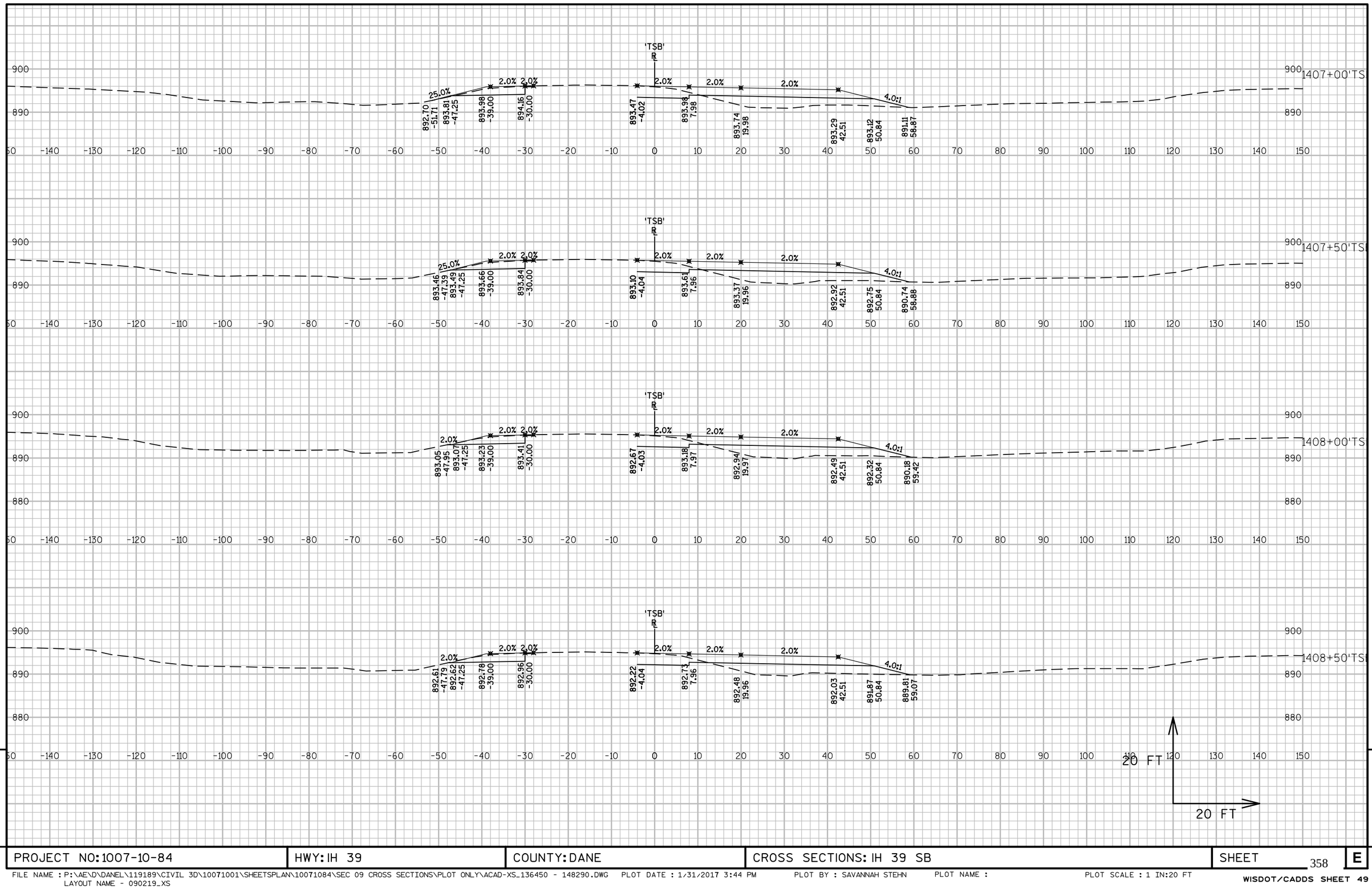
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 357	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090218_XS

WISDOT/CADDS SHEET 49



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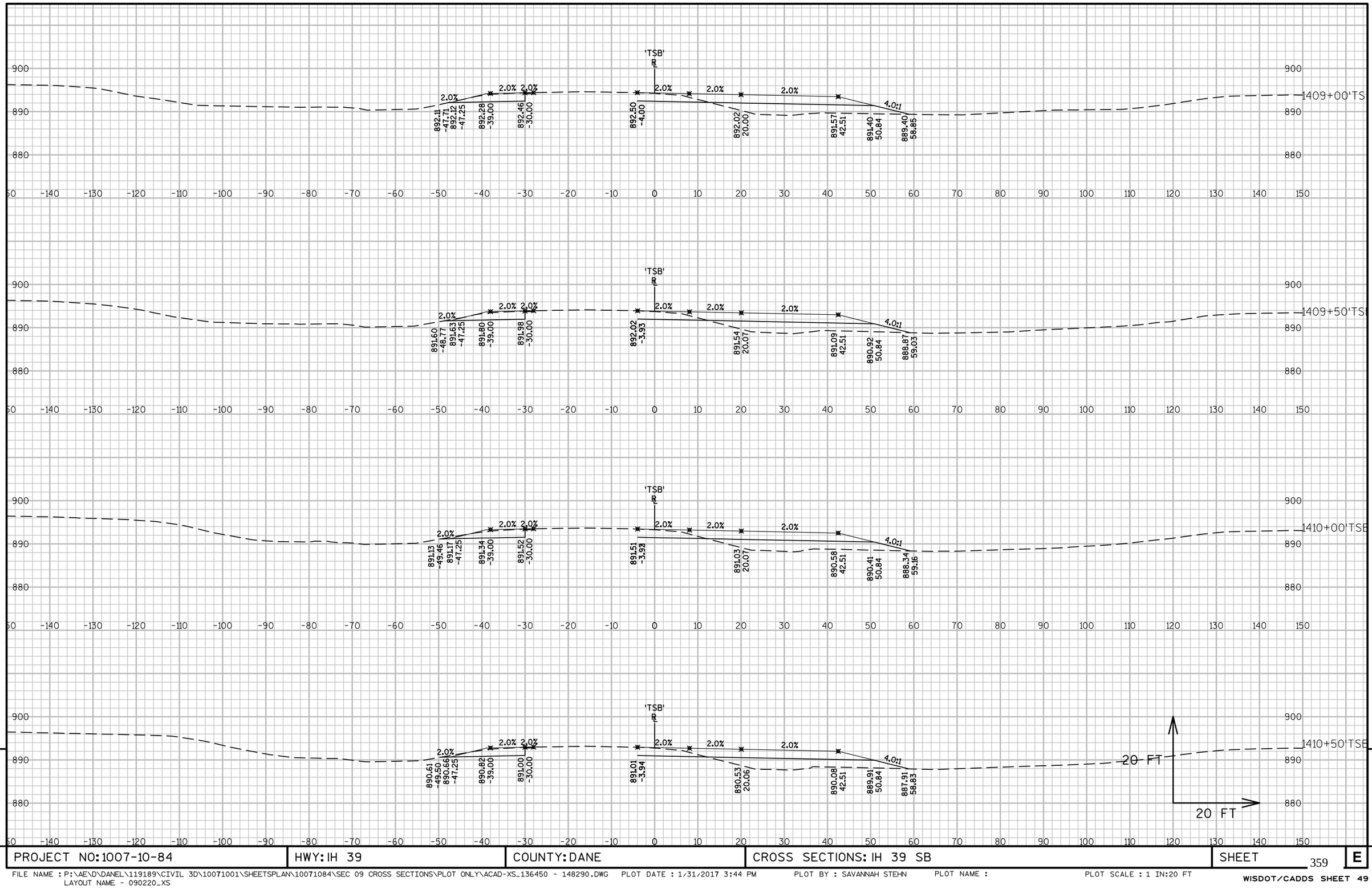
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 358	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090219_XS



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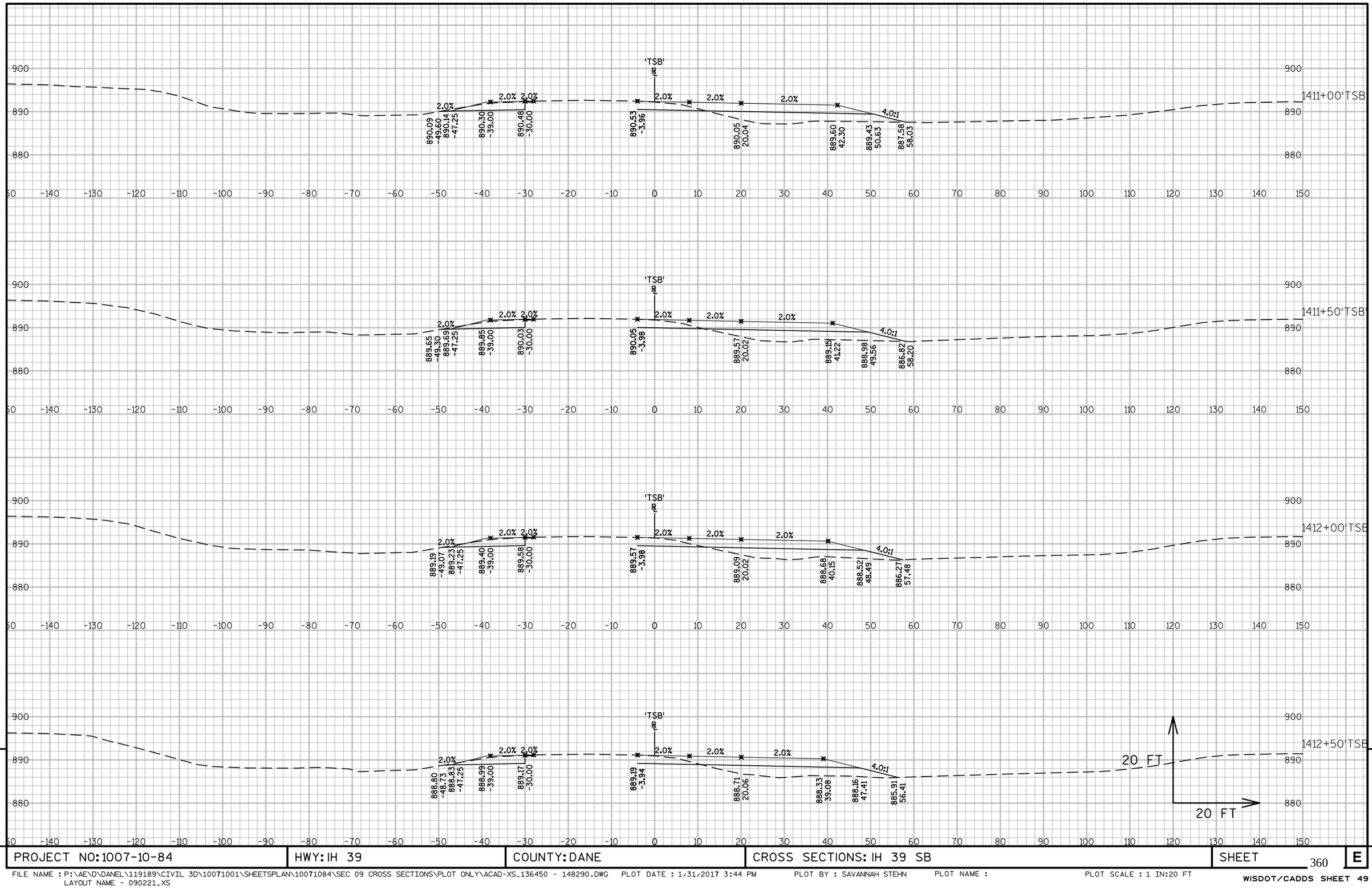
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 359	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090220_XS

WISDOT/CADDS SHEET 49



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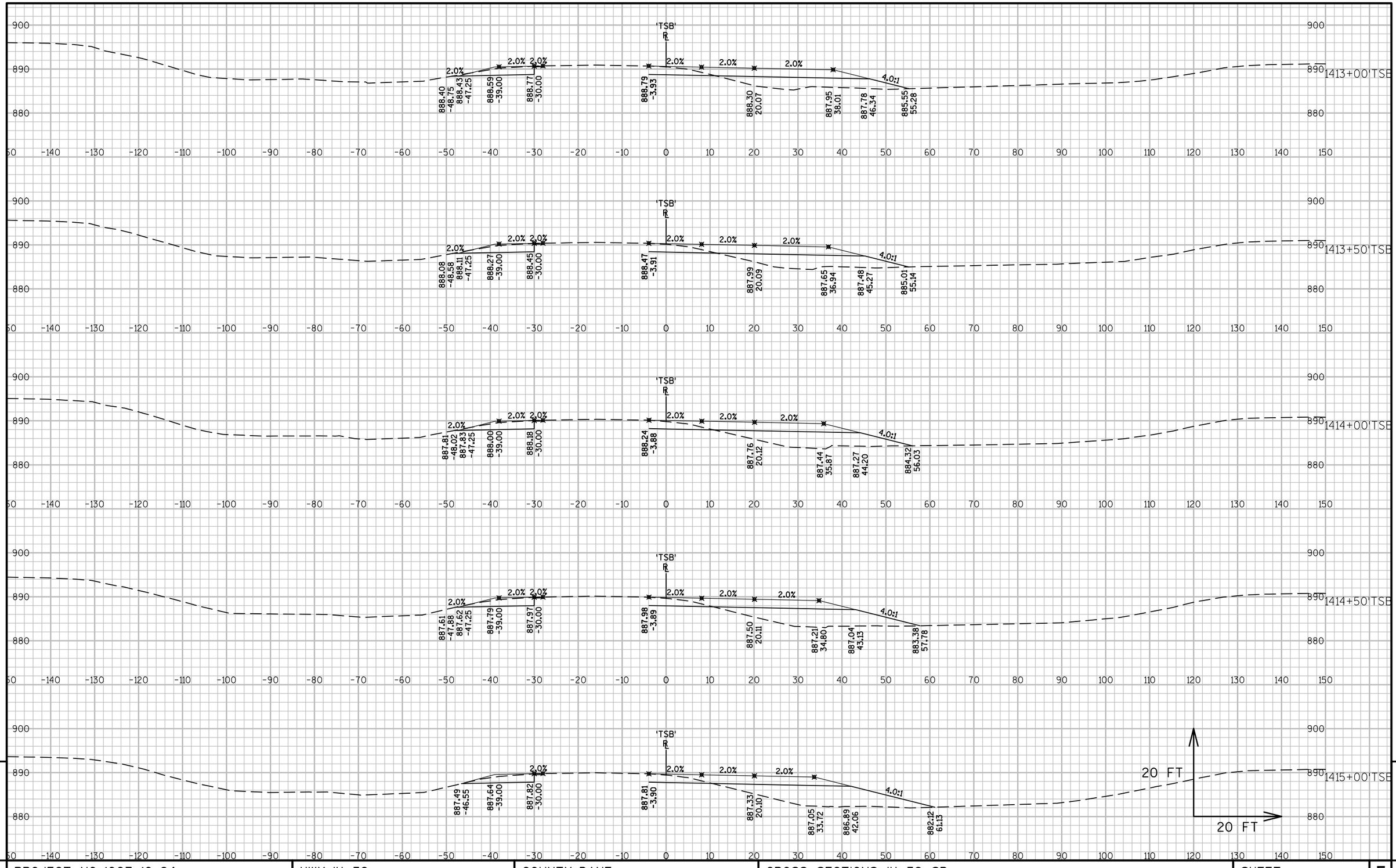
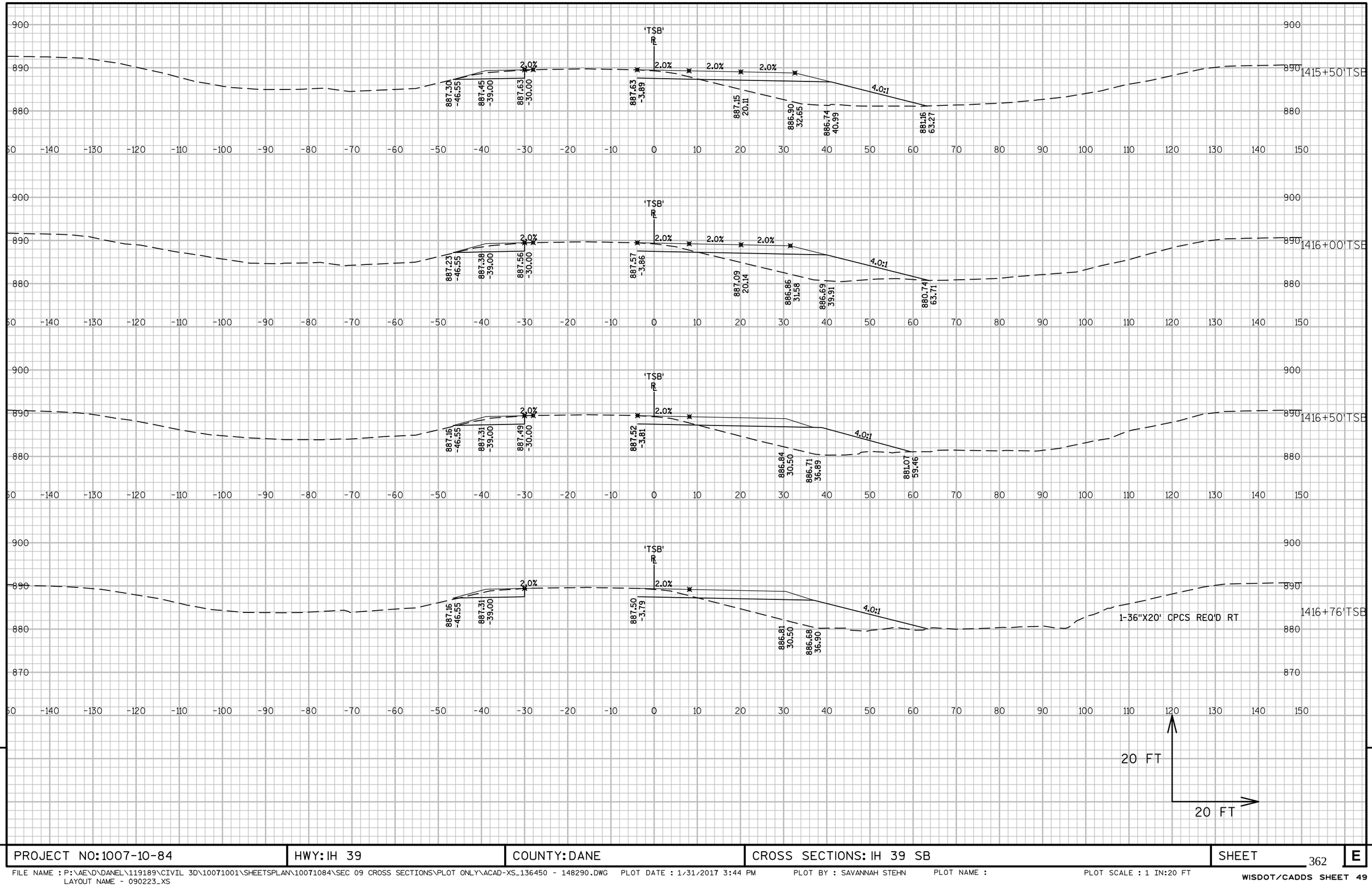
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 360	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090221_XS
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 361	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090222_XS



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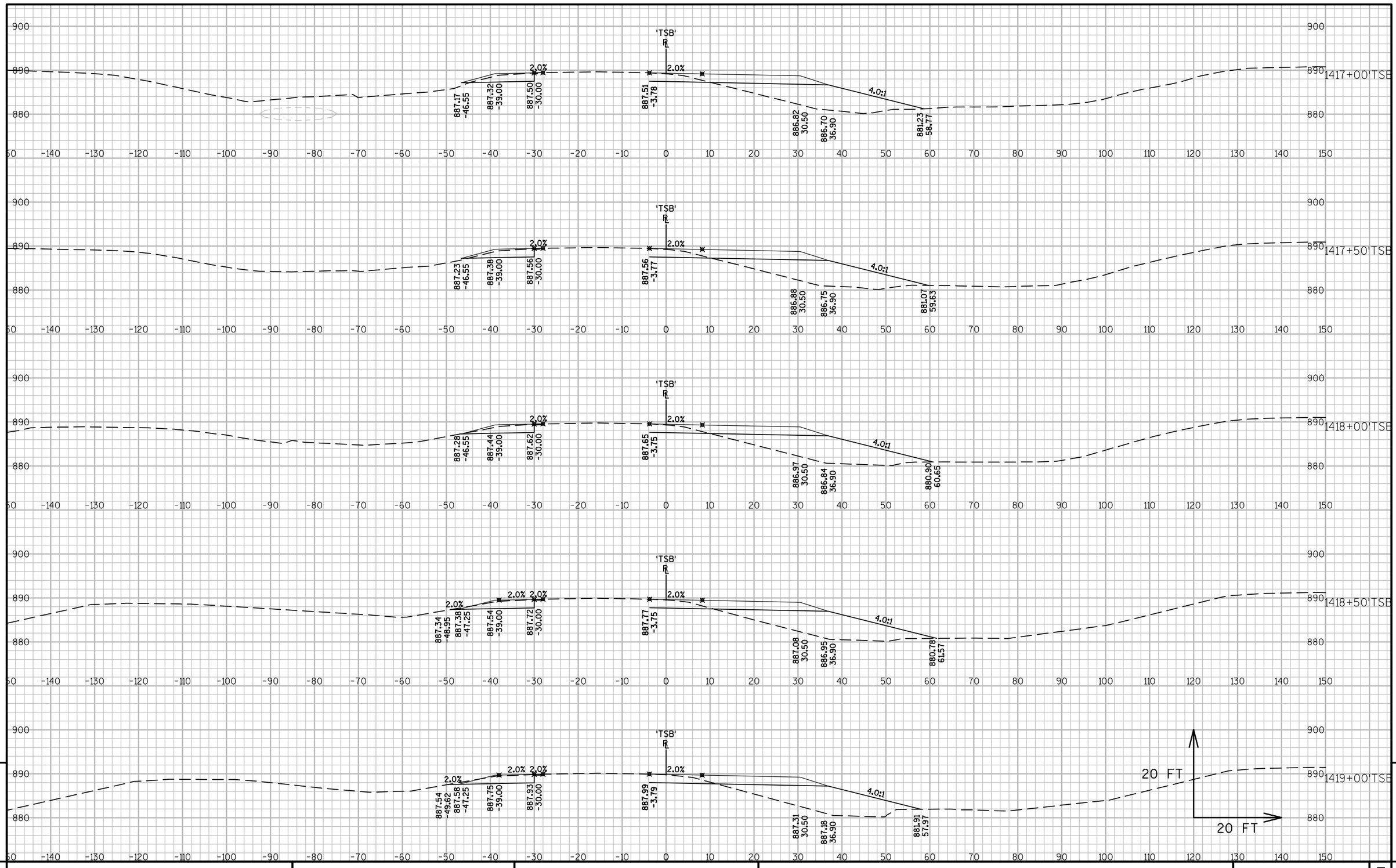
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 362	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:44 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090223_XS



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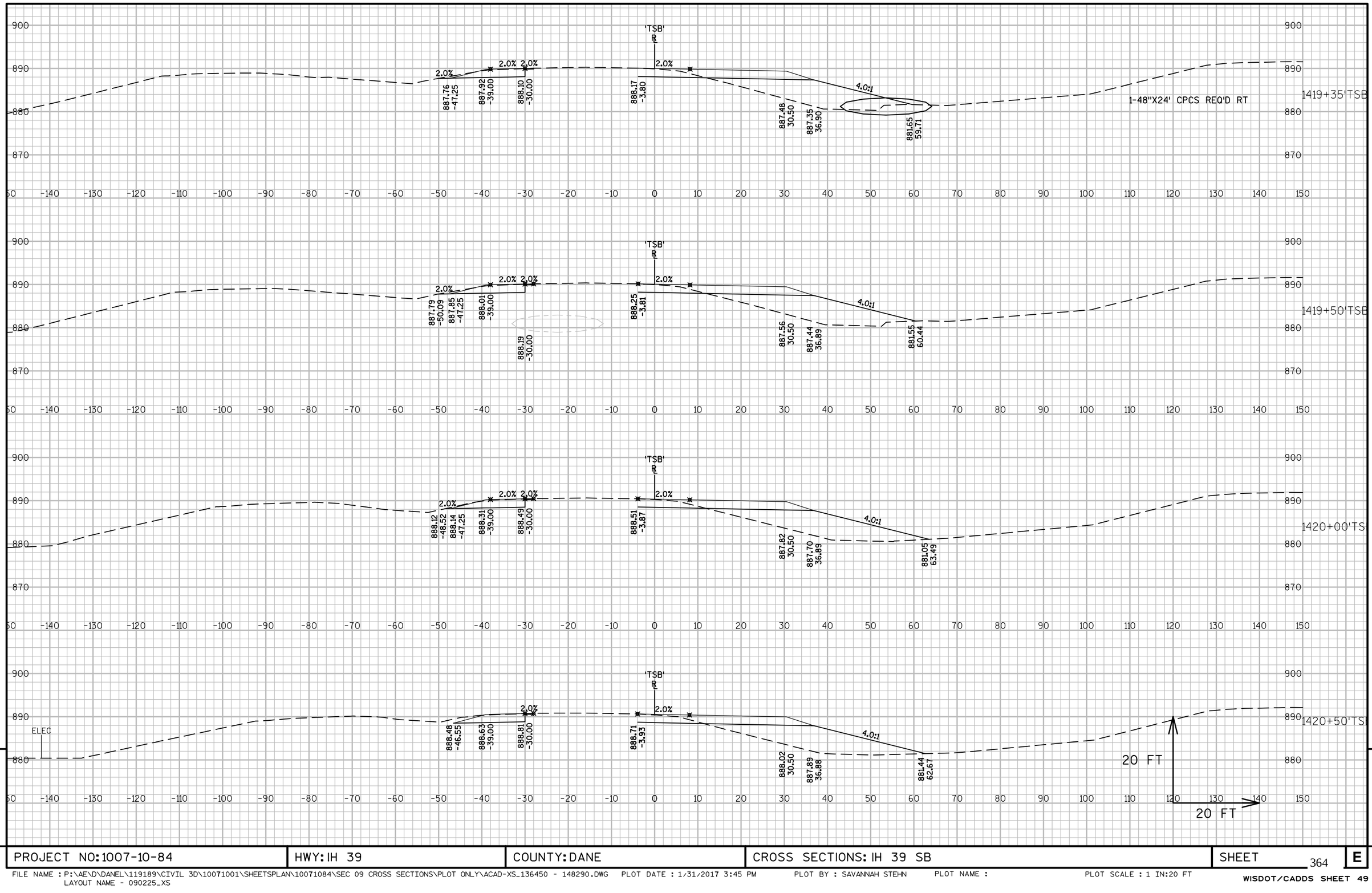
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 363	E

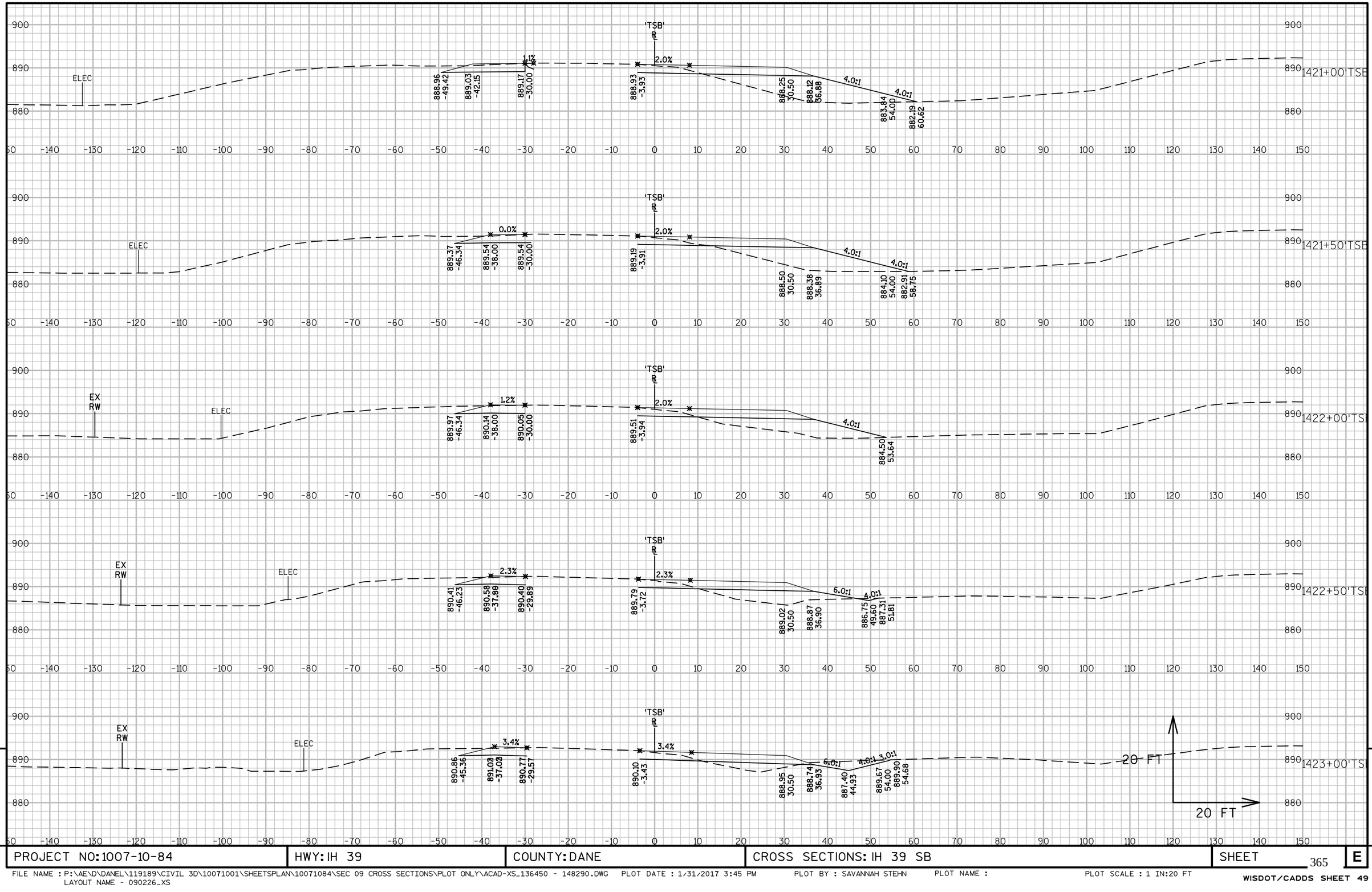
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090224_XS



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 364	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090225_XS

WISDOT/CADDS SHEET 49



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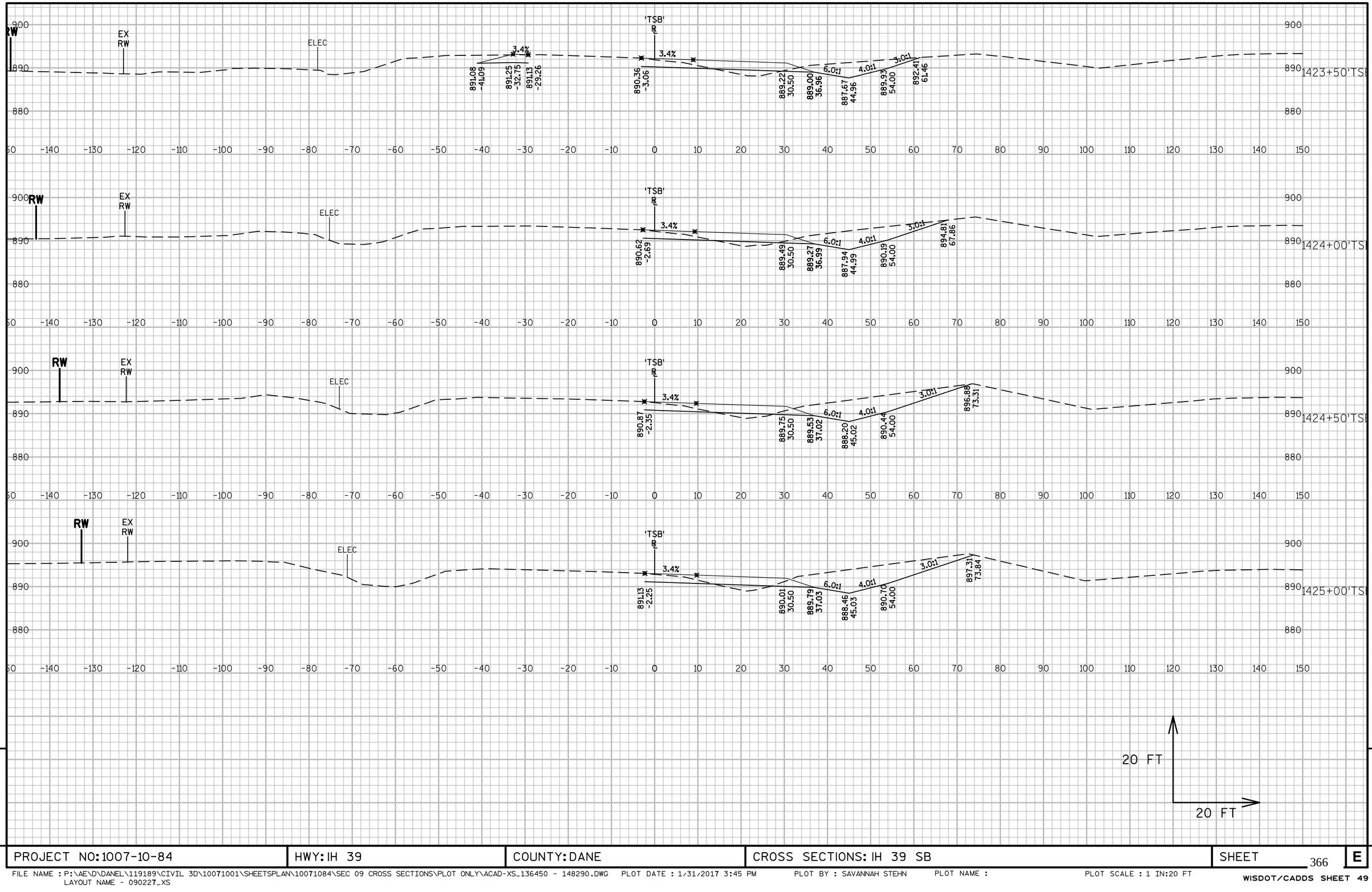
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 365	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090226_XS



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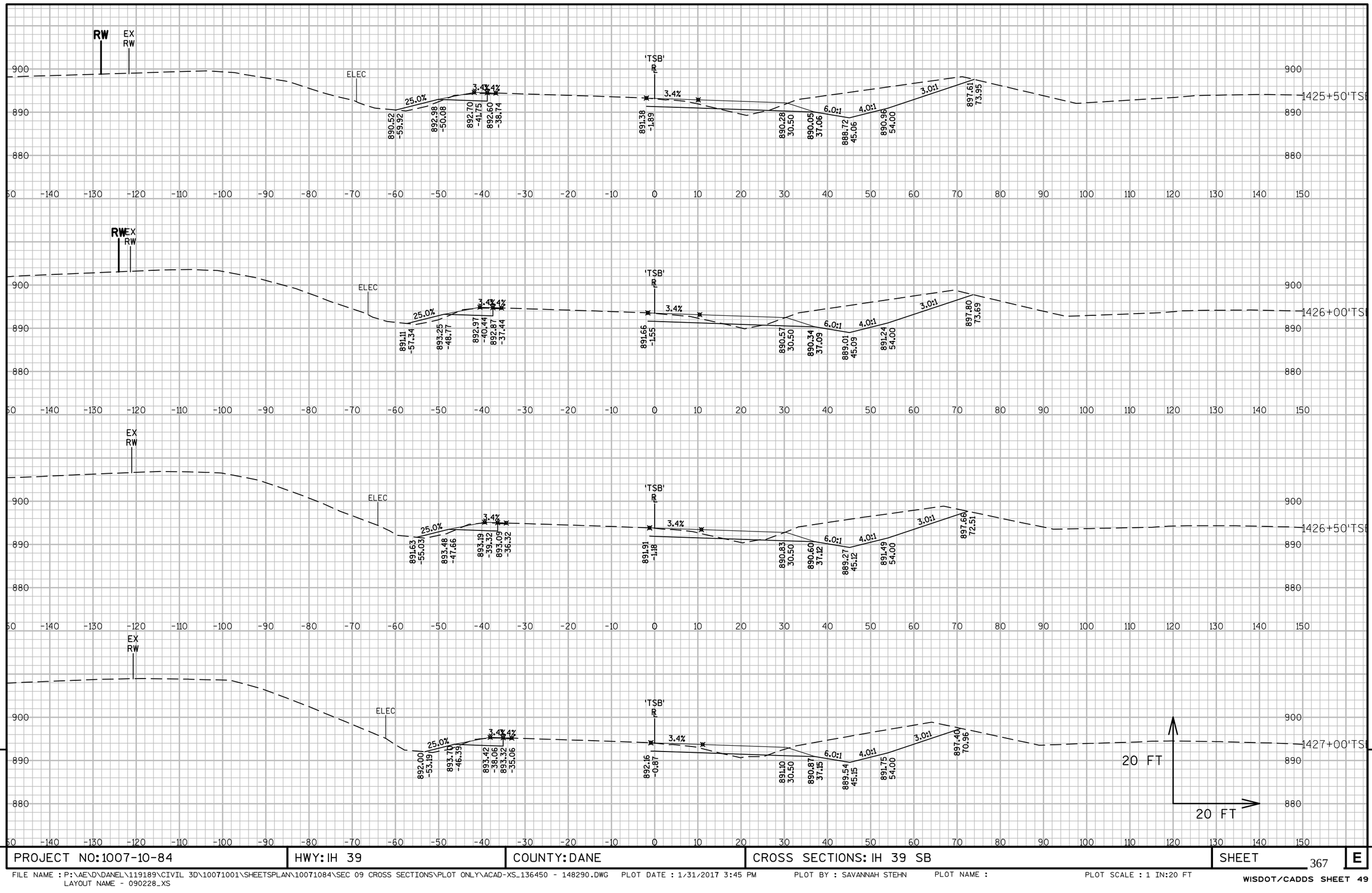
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 366	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090227_XS
WISDOT/CADDS SHEET 49



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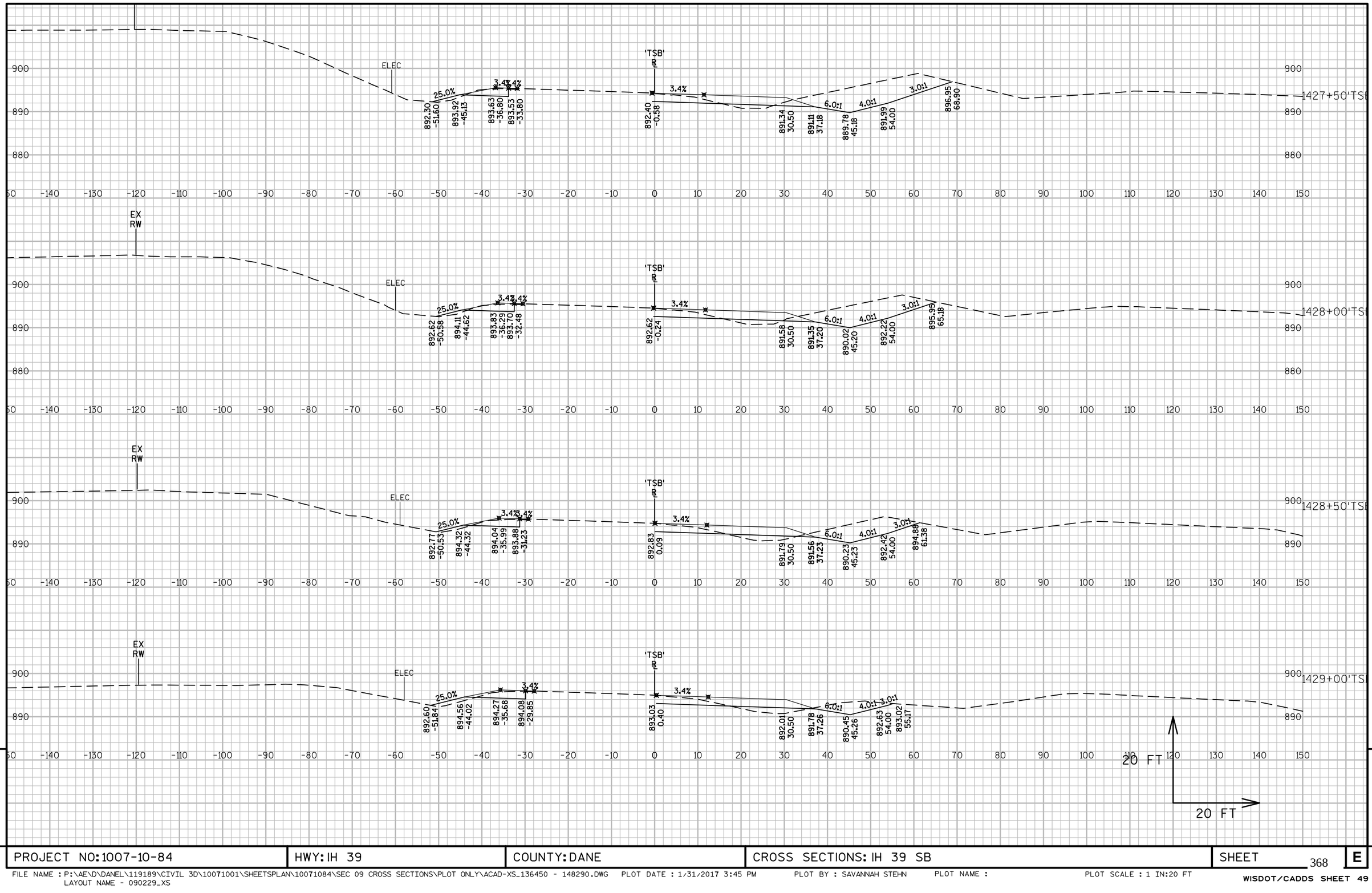
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 367	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090228_XS

WISDOT/CADDS SHEET 49



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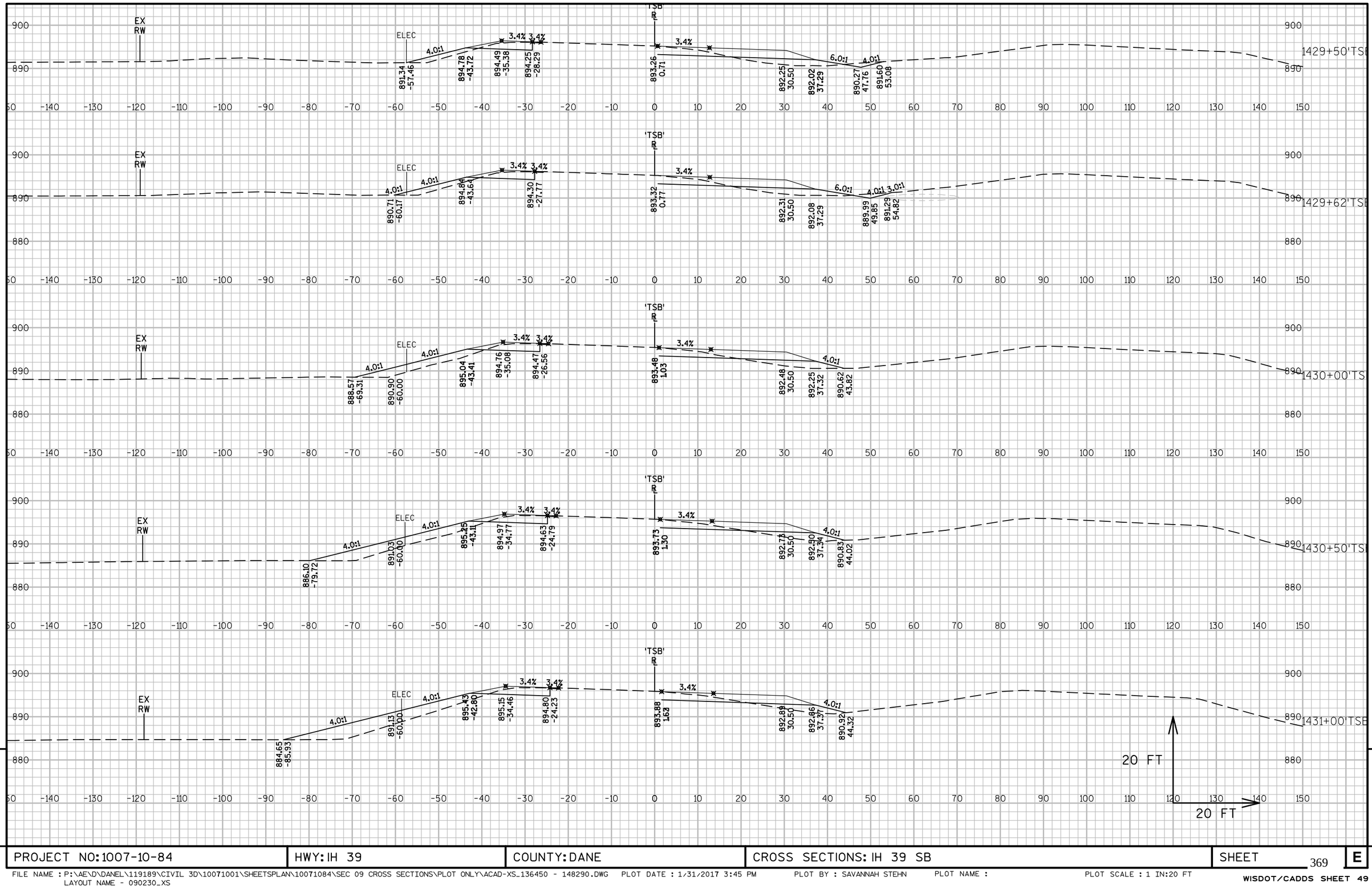
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 368	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090229_XS

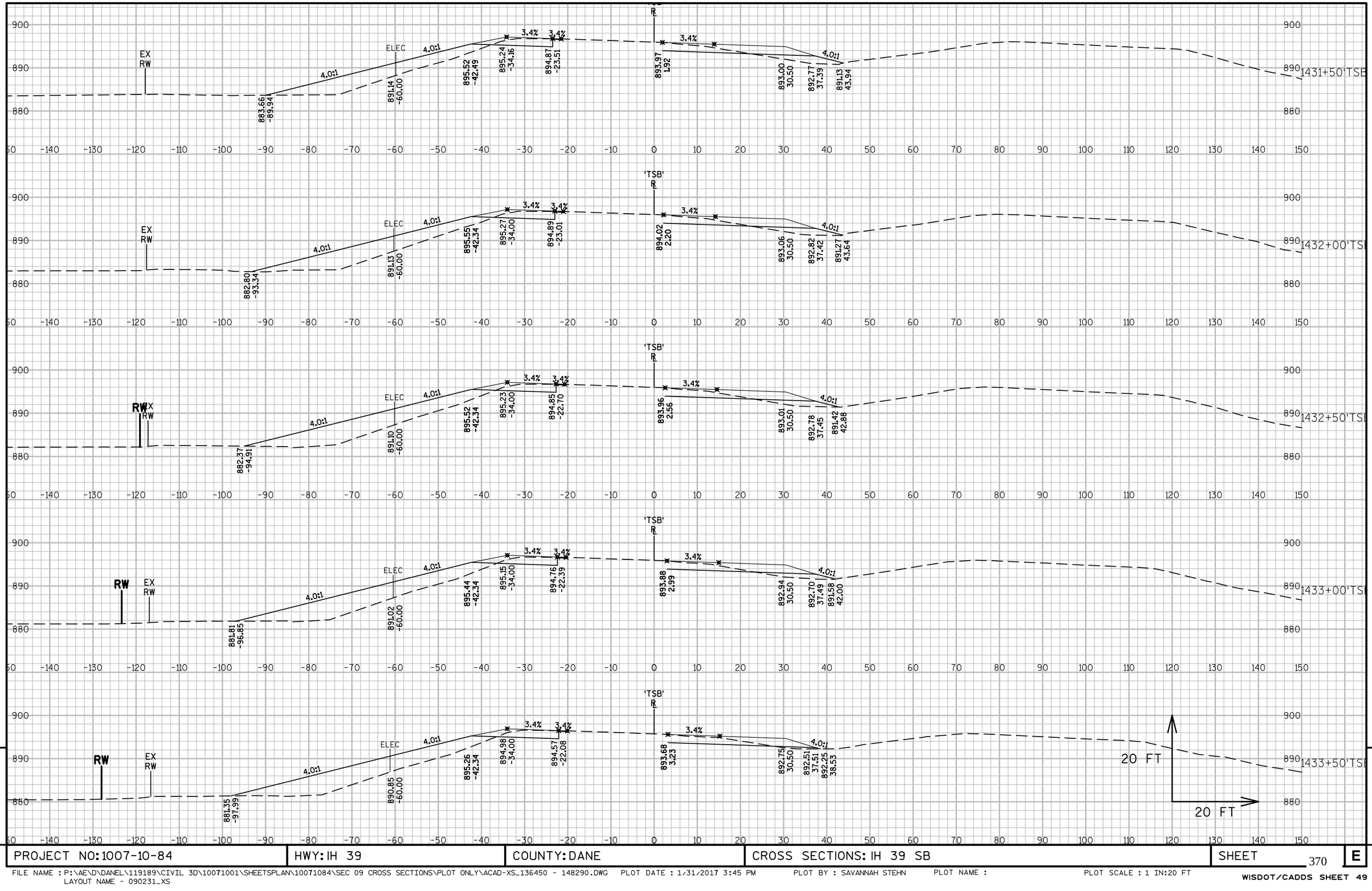
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 369	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090230_XS

WISDOT/CADDS SHEET 49



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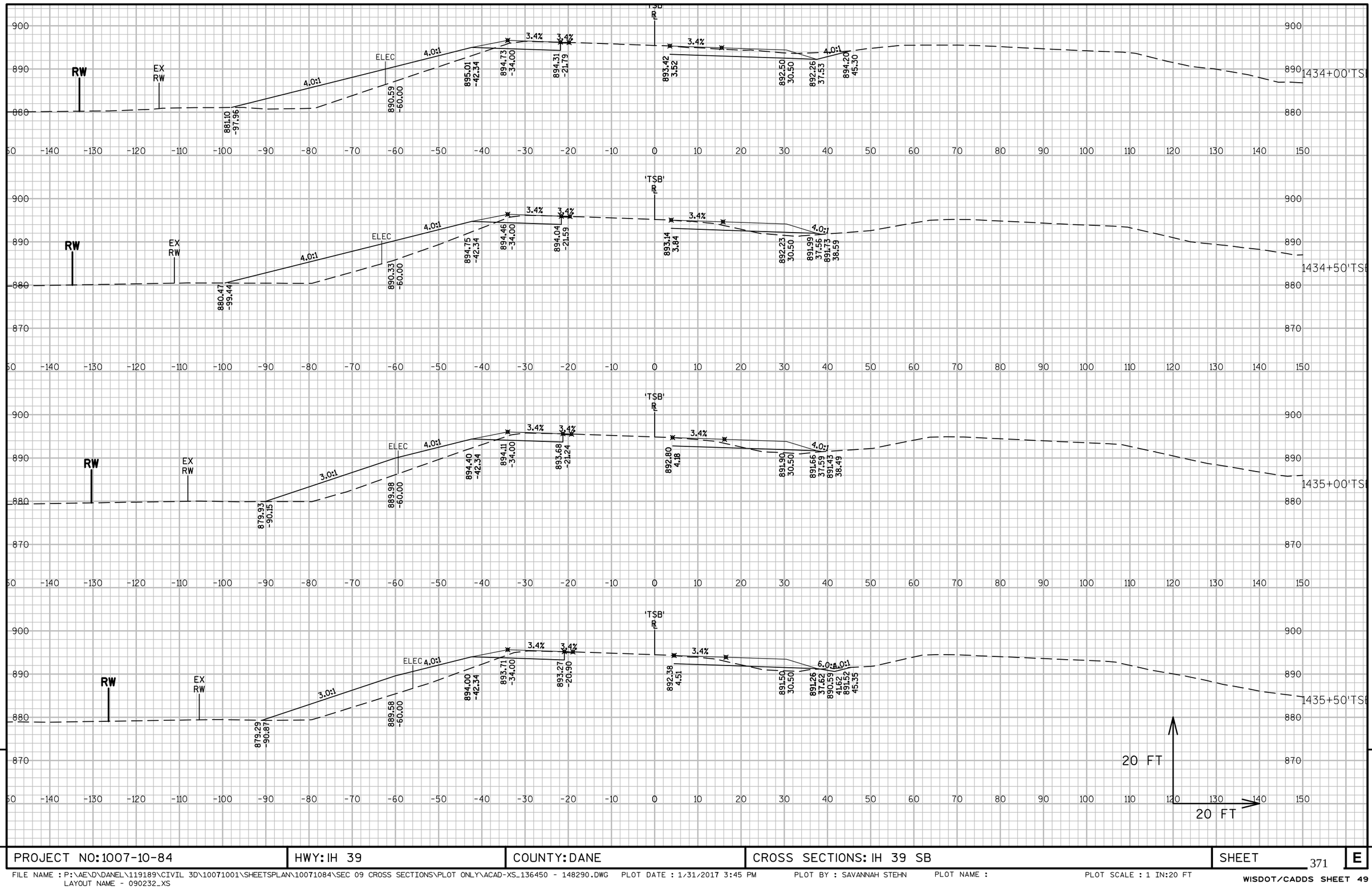
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 370	E

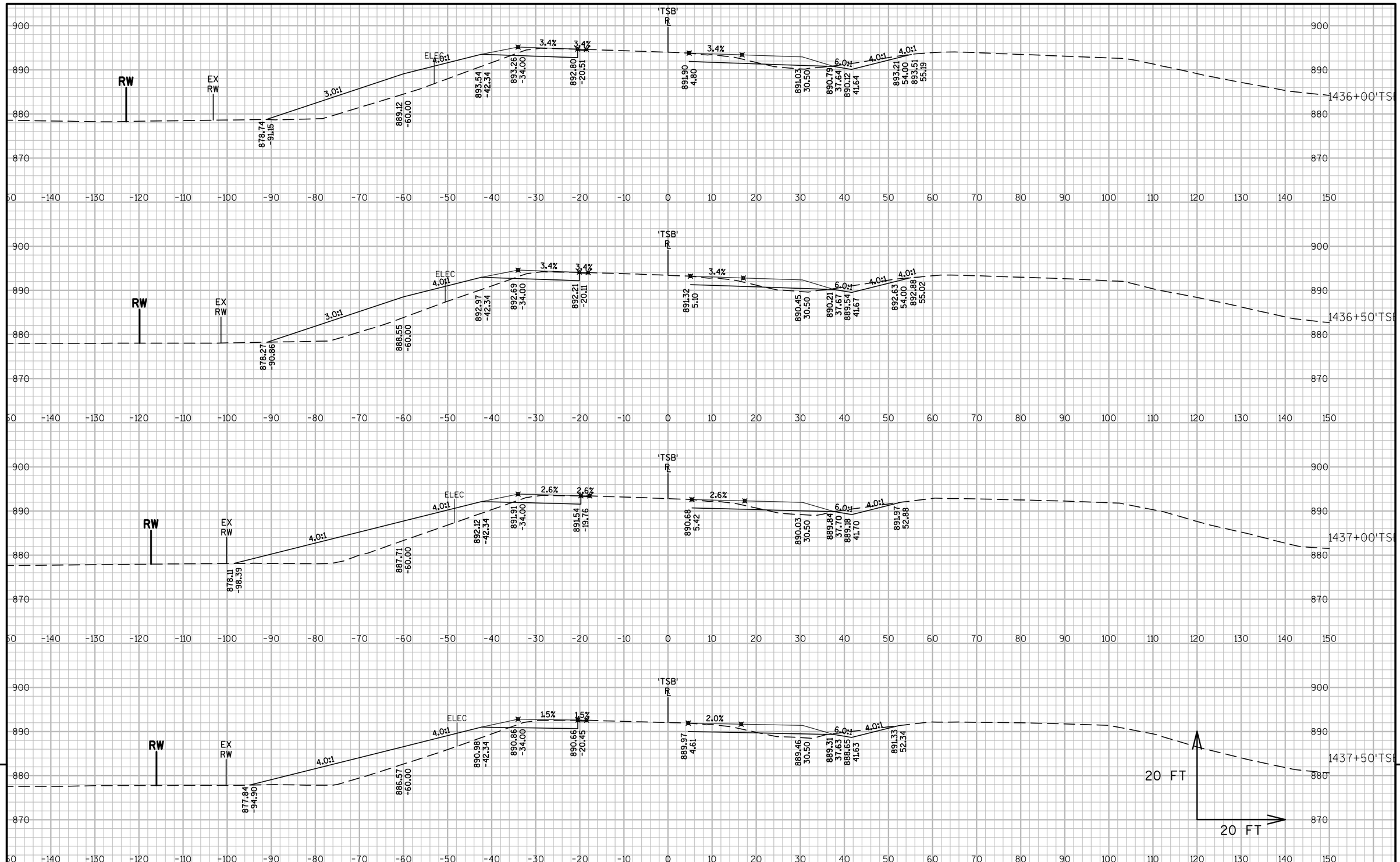
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090231_XS



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 371	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090232_XS

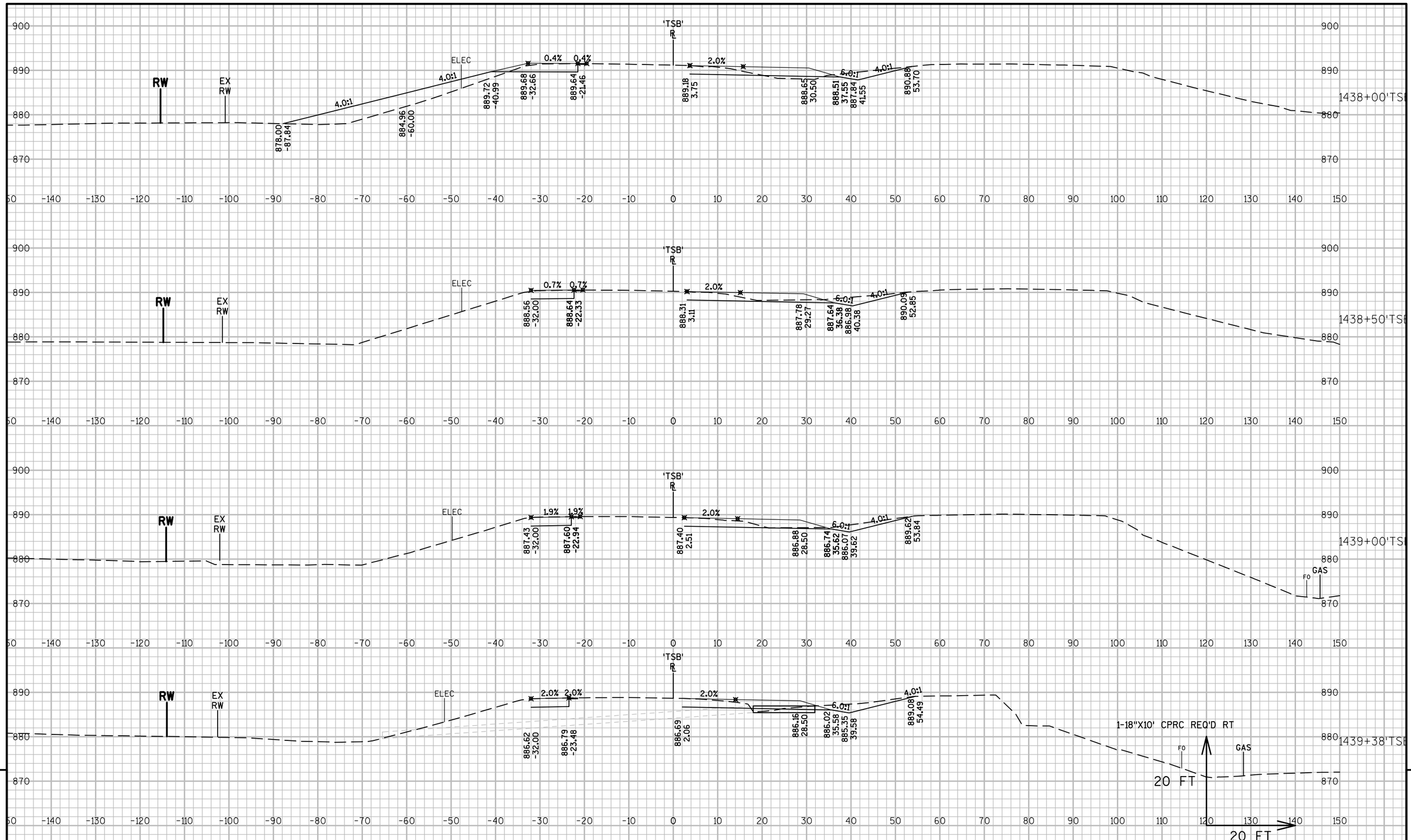
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 372 E

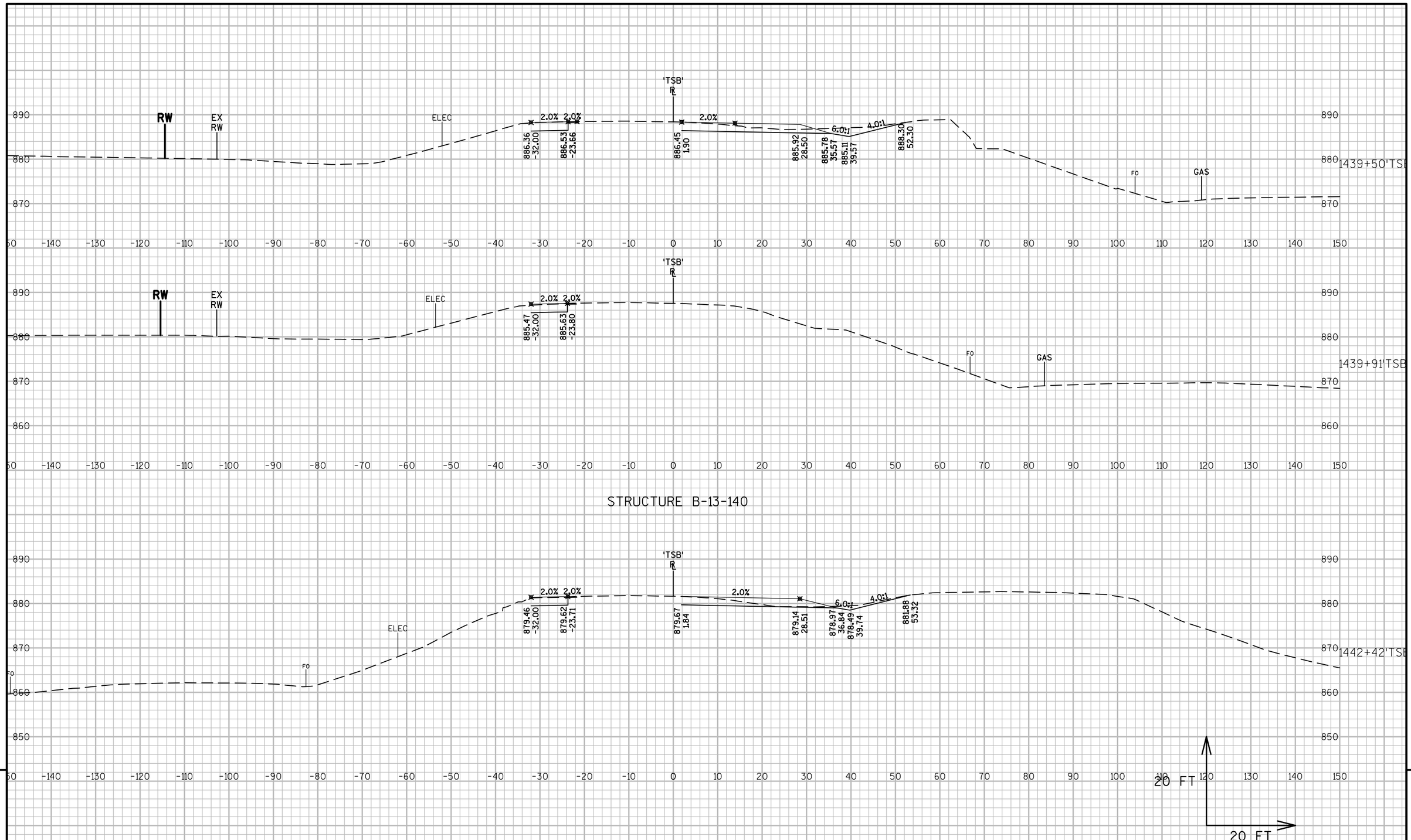
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090233_XS

WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 373	E

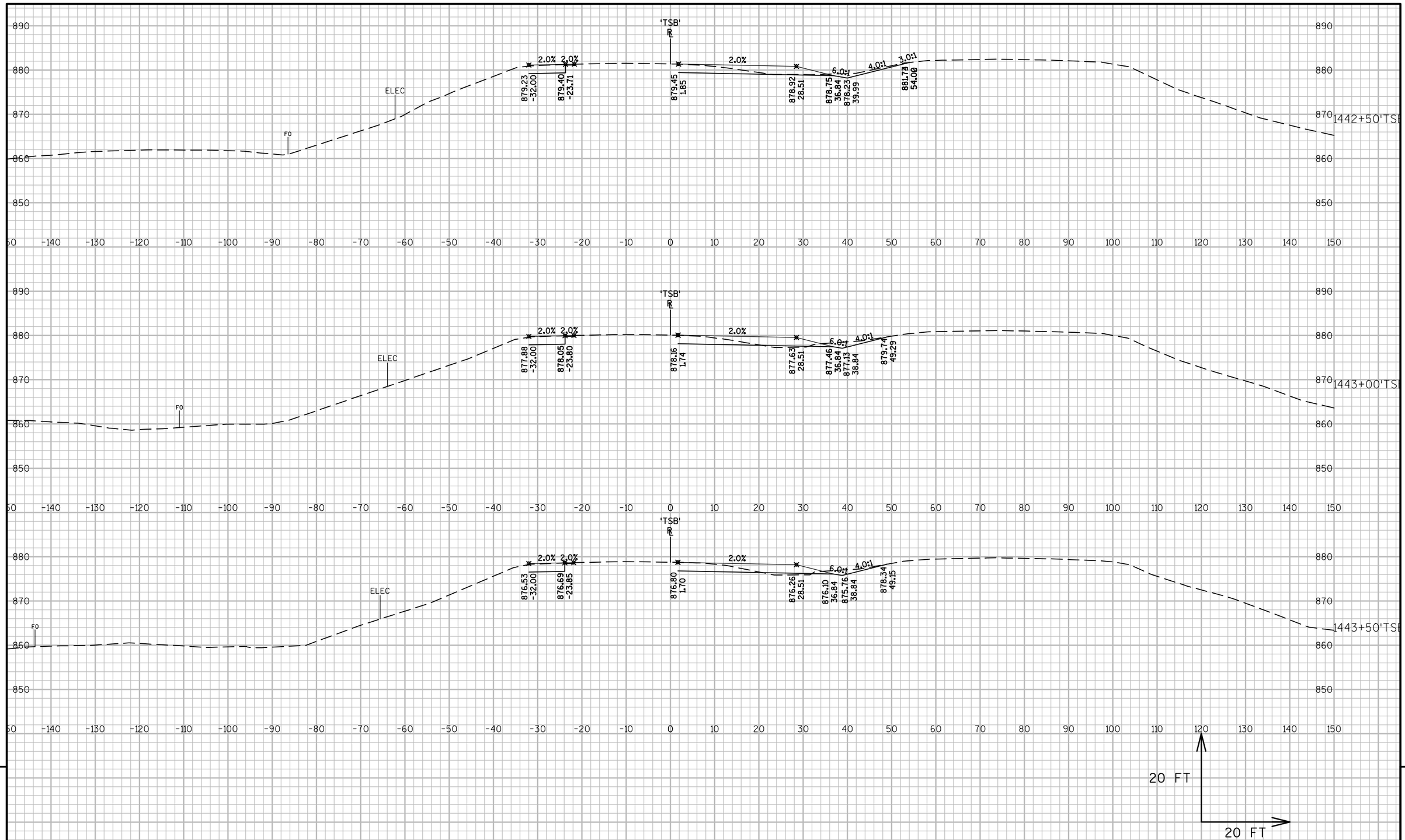
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090234_XS
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 374	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090235_XS

WISDOT/CADDS SHEET 49



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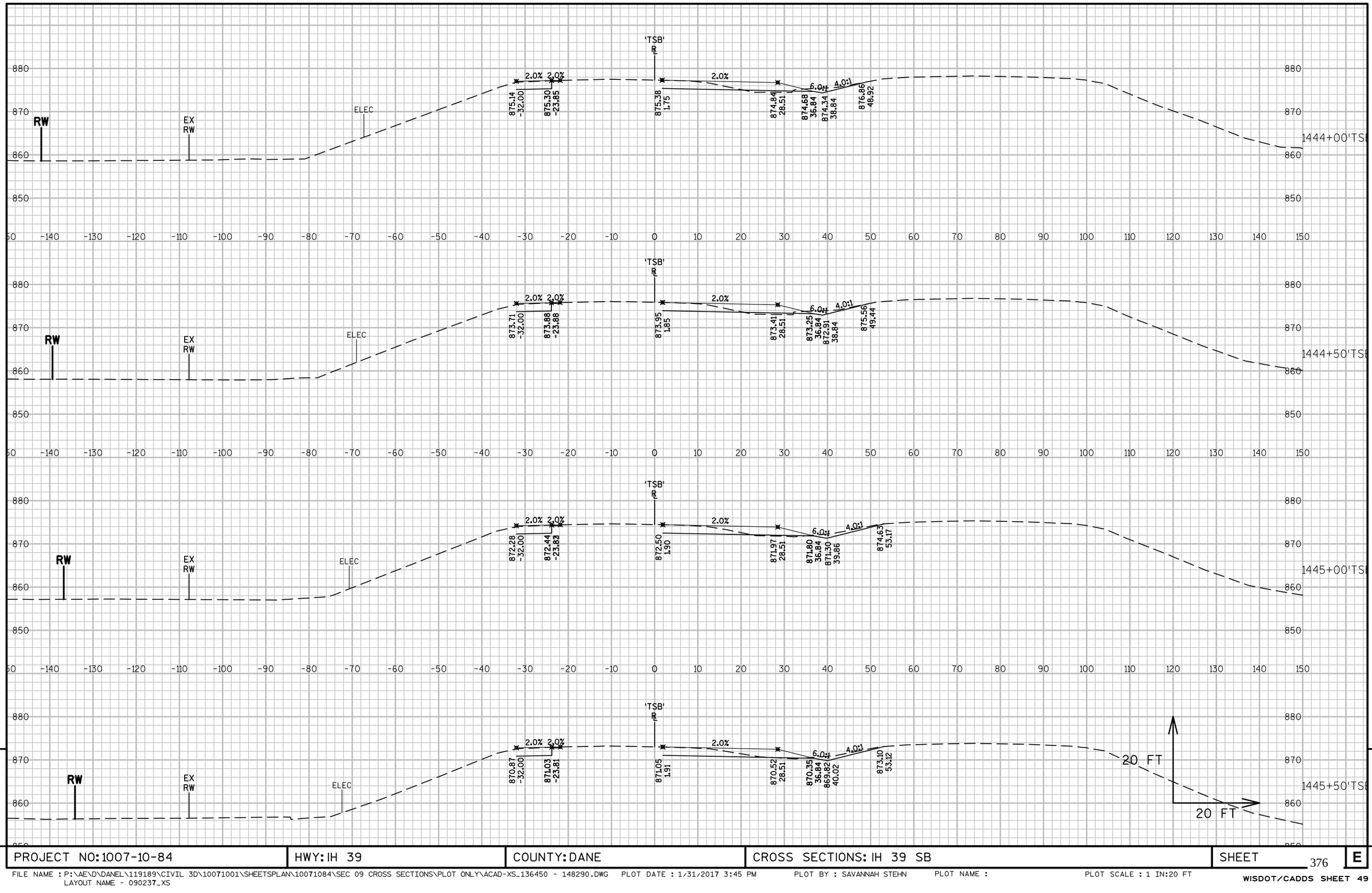
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 375	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090236_XS

WISDOT/CADDS SHEET 49



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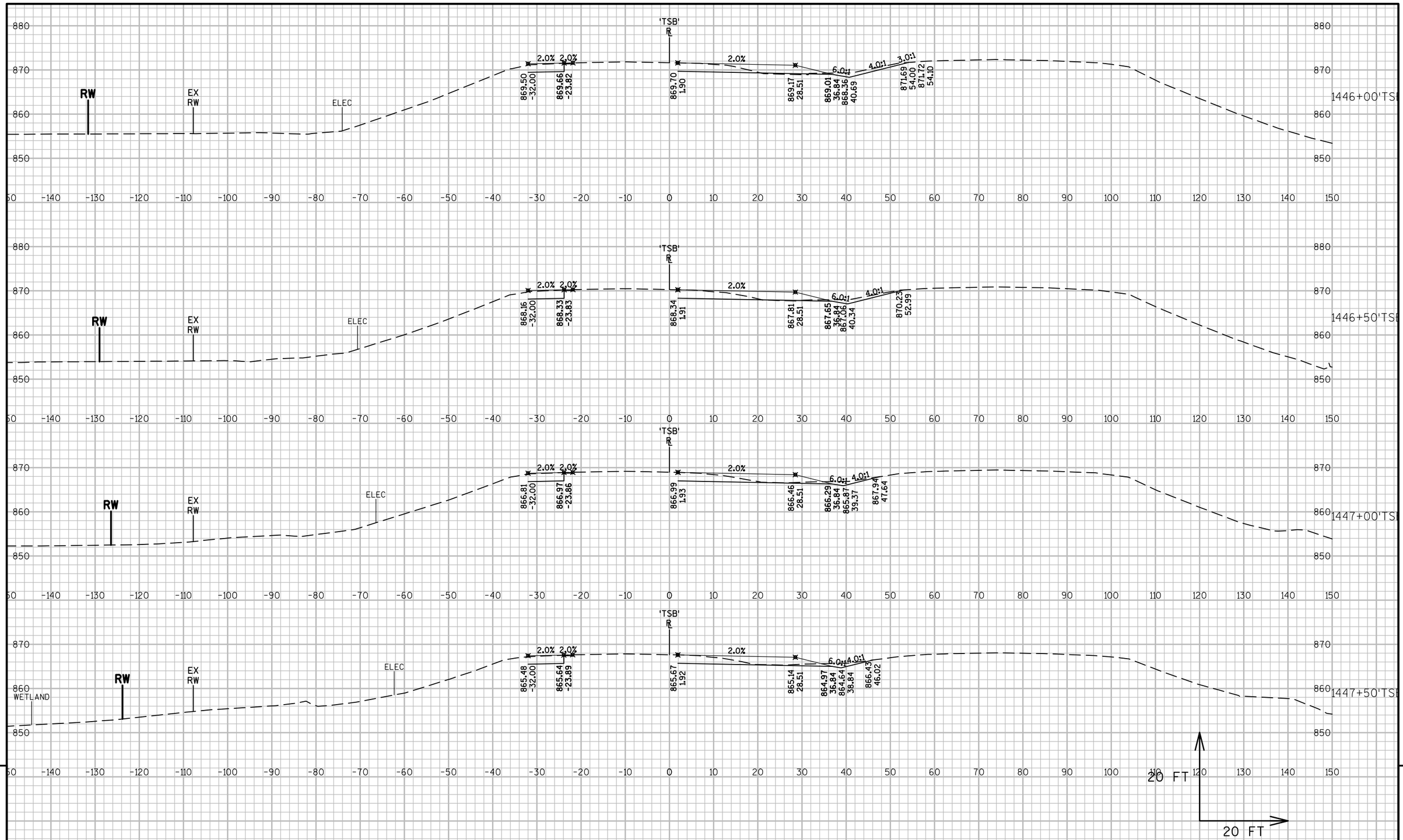
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 376	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090237_XS

WISDOT/CADDS SHEET 49



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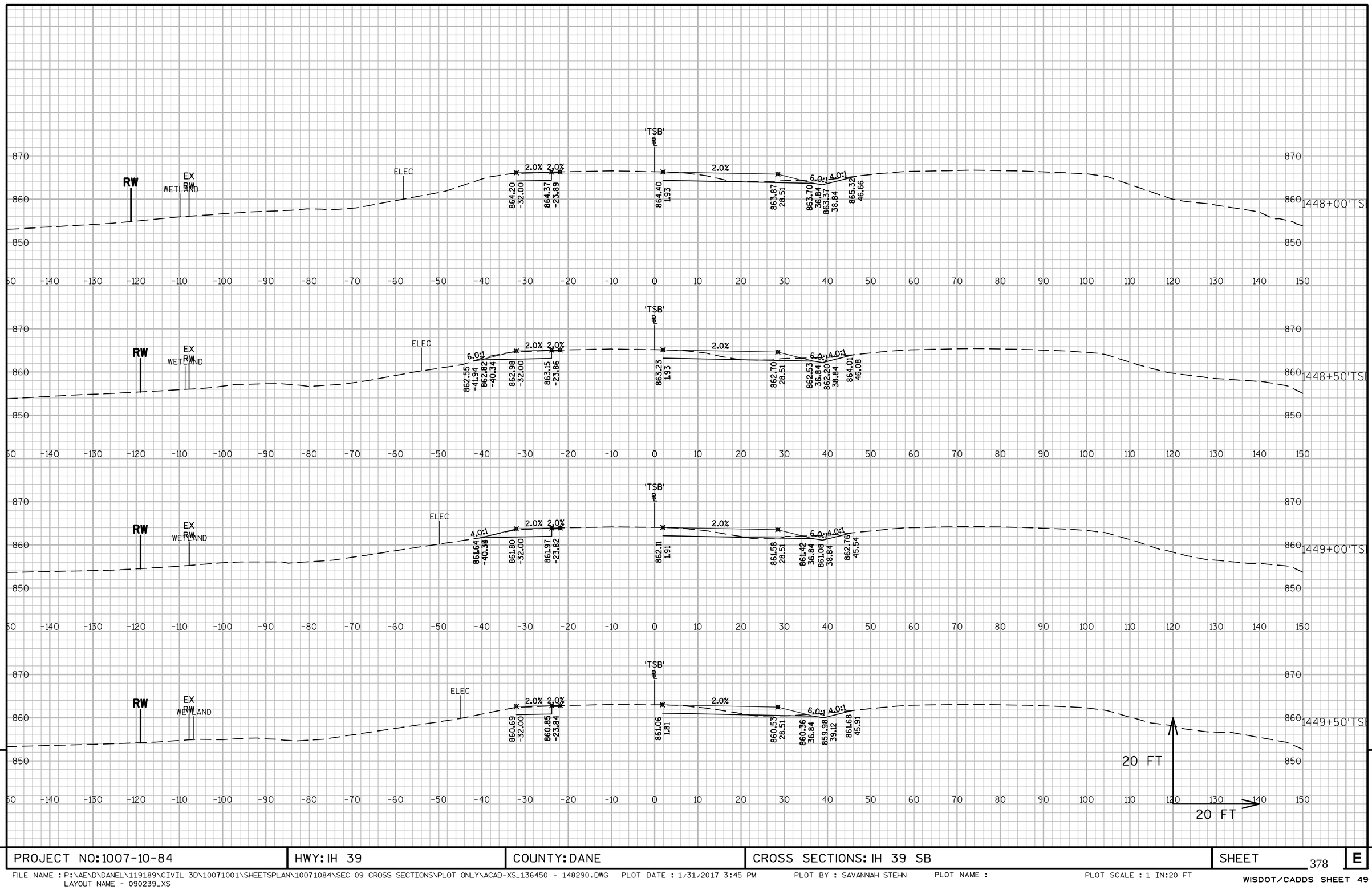
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 377	E

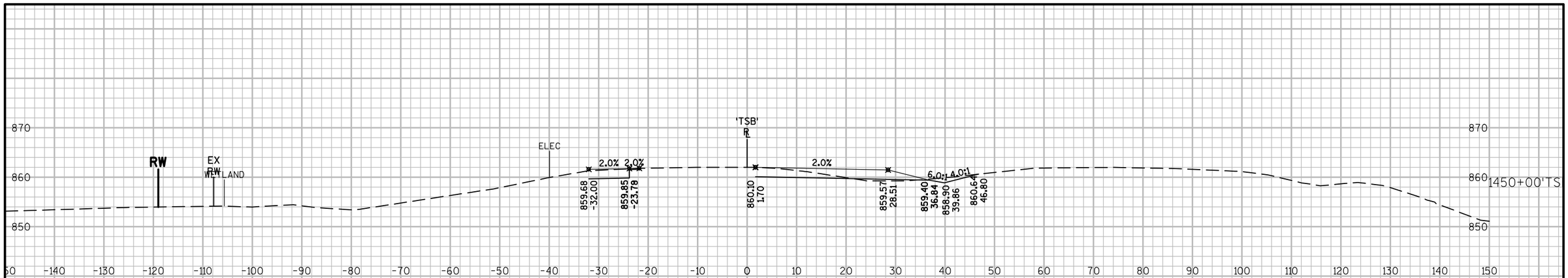
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090238_XS

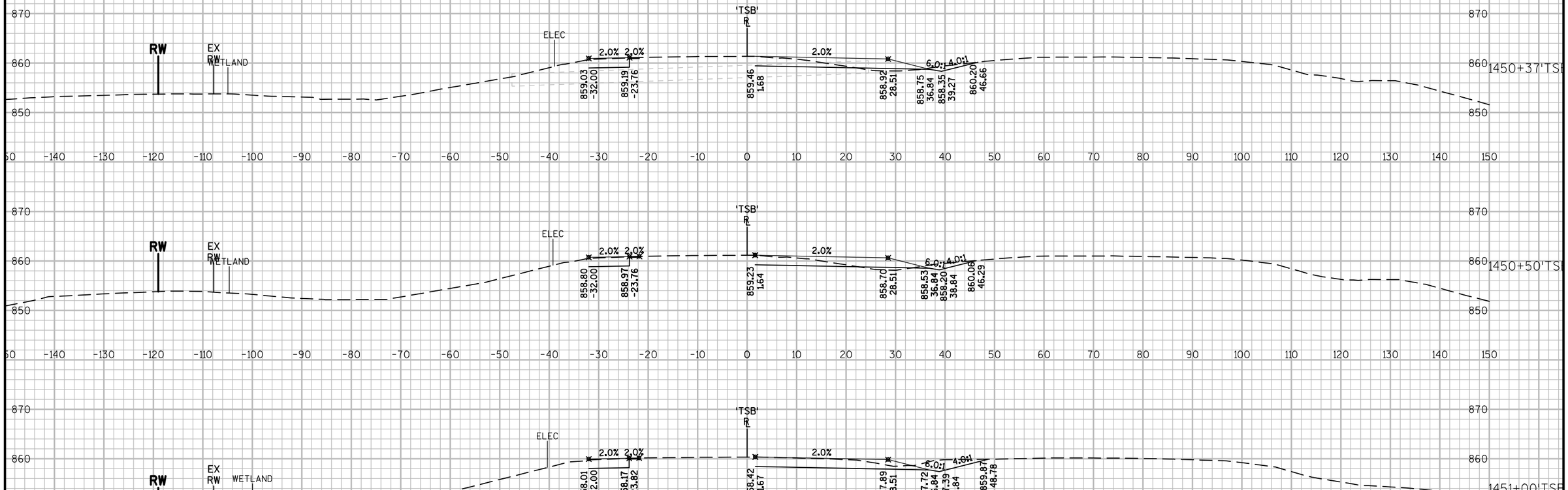


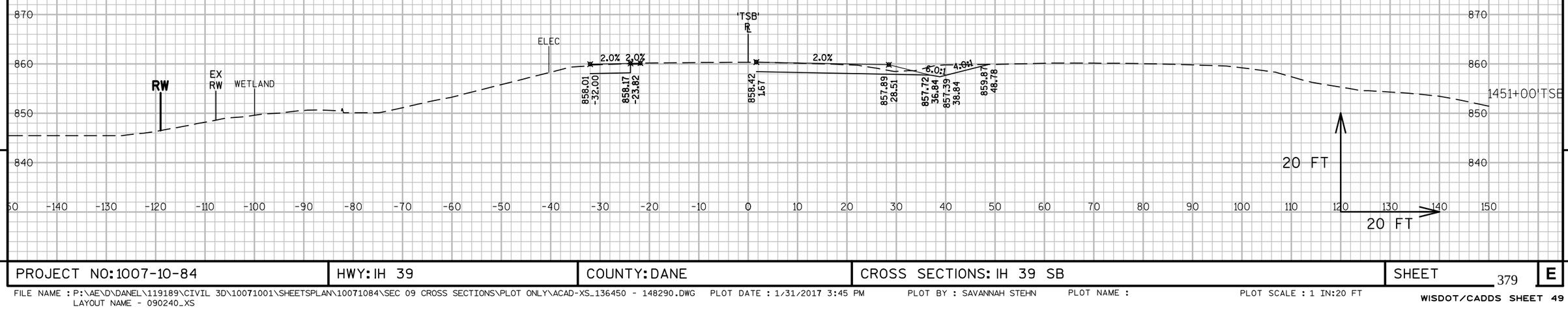
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 378	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090239_XS

WISDOT/CADDS SHEET 49







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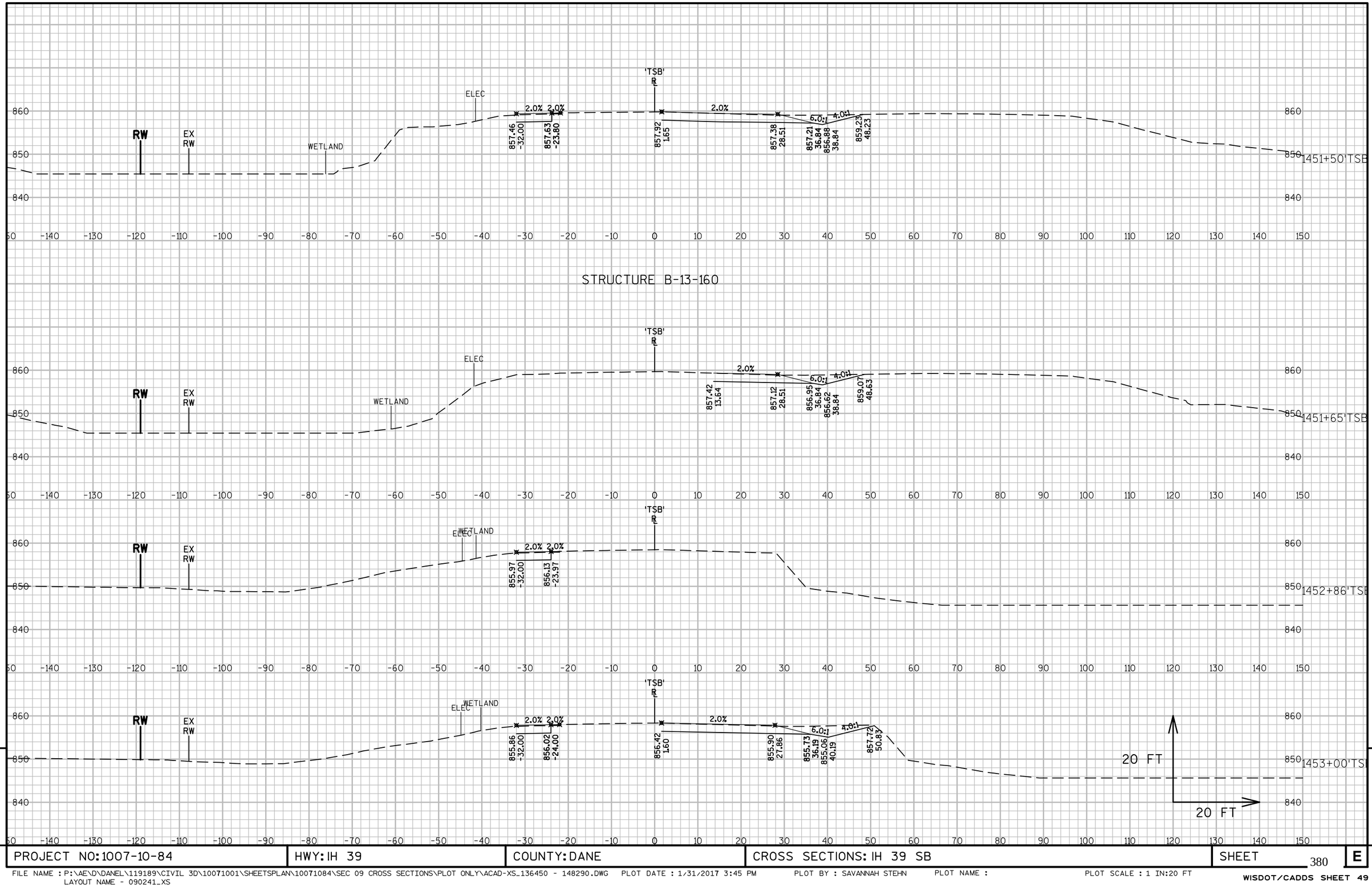
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 379	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090240_XS

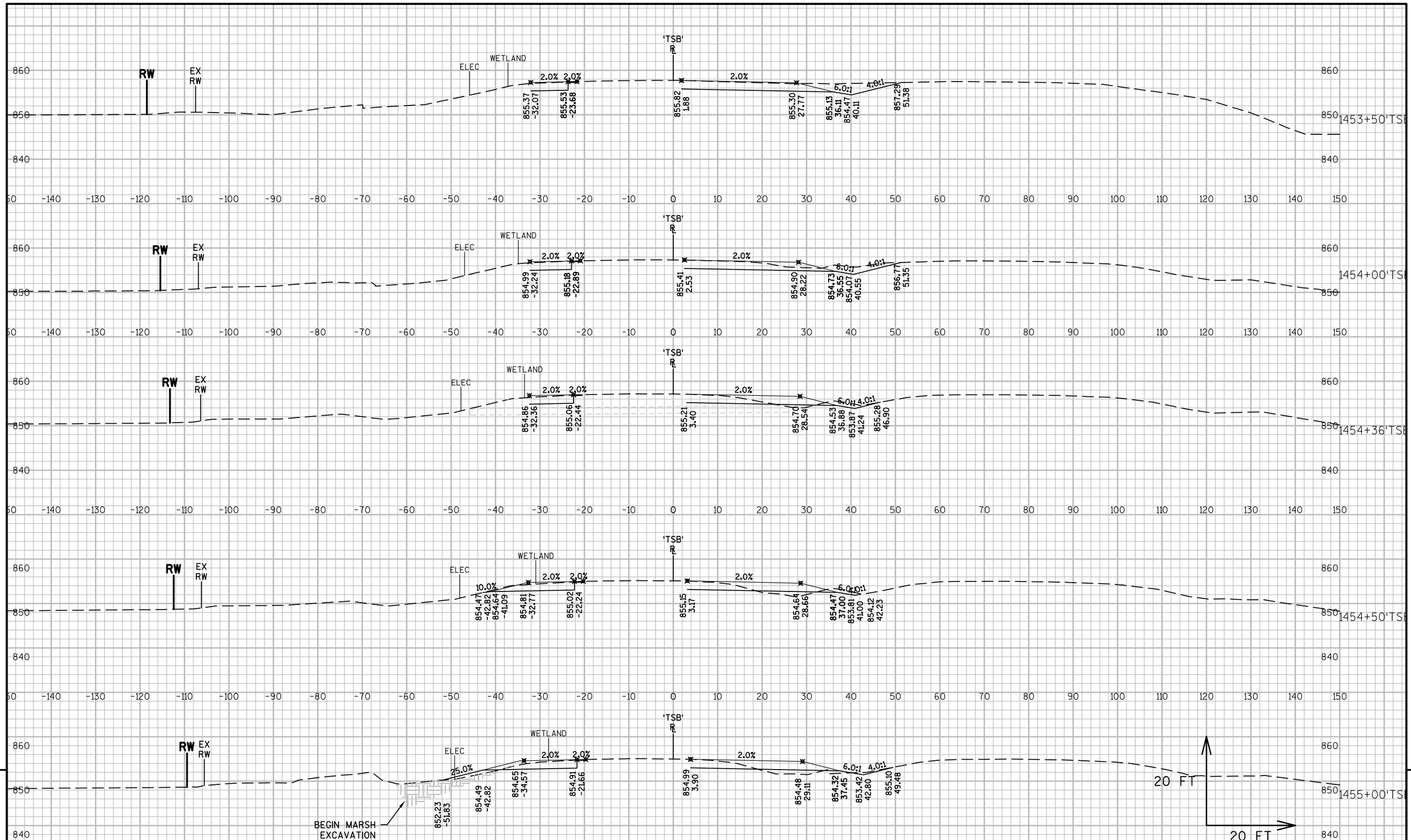
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 380	E

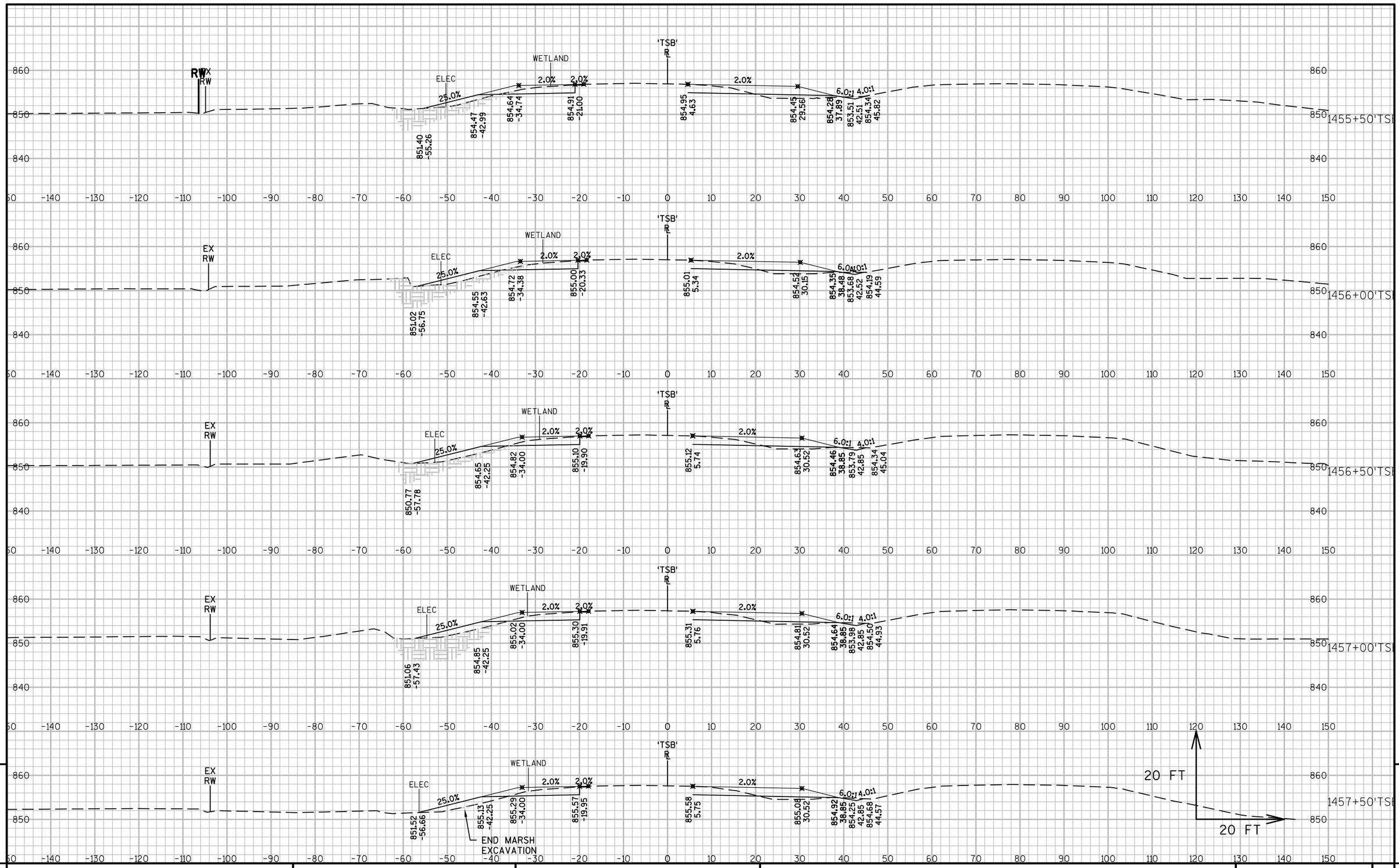
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090241_XS

WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 381	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090242_XS
WISDOT/CADDS SHEET 49



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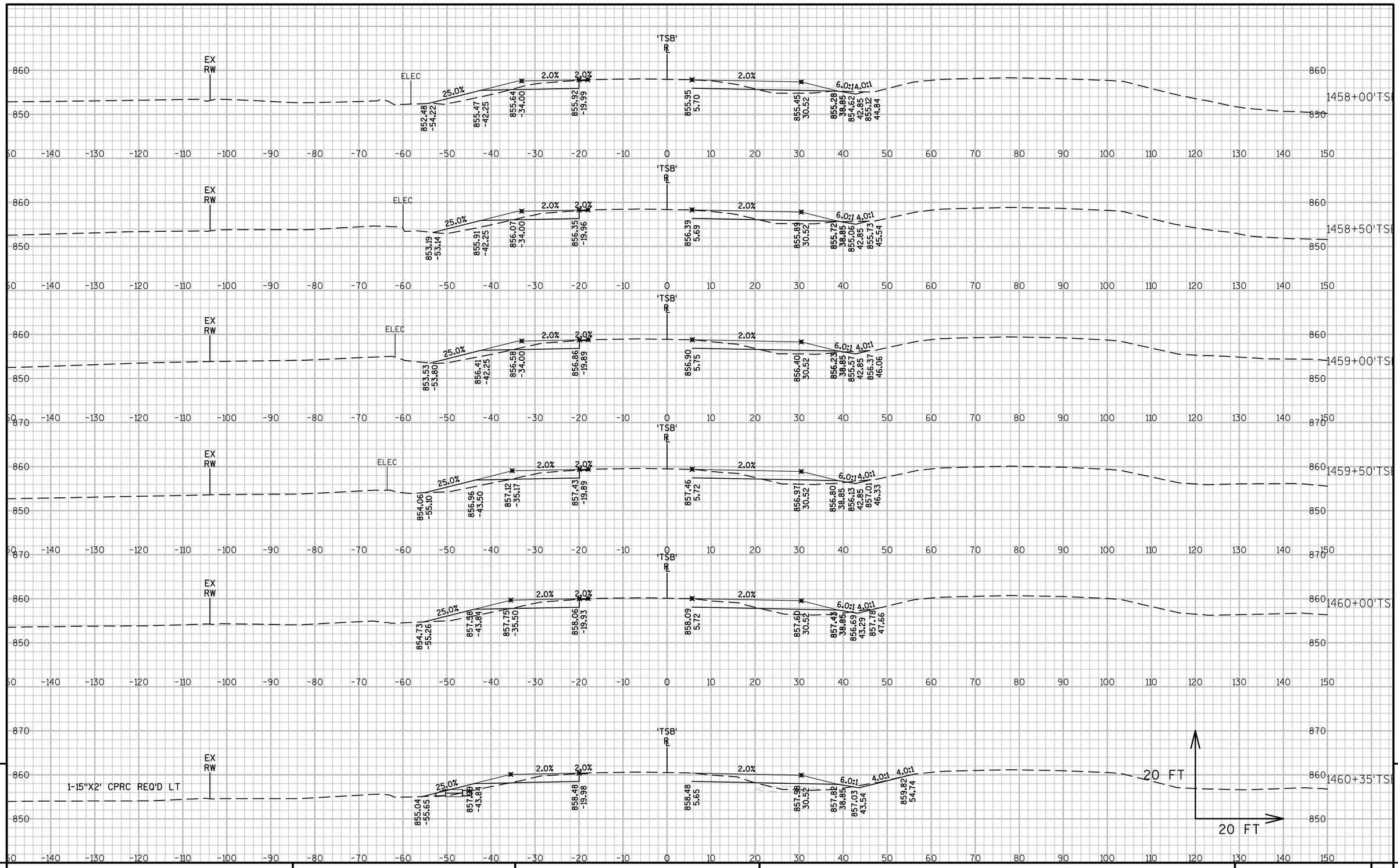
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 382	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090243_XS



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PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 383	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME :
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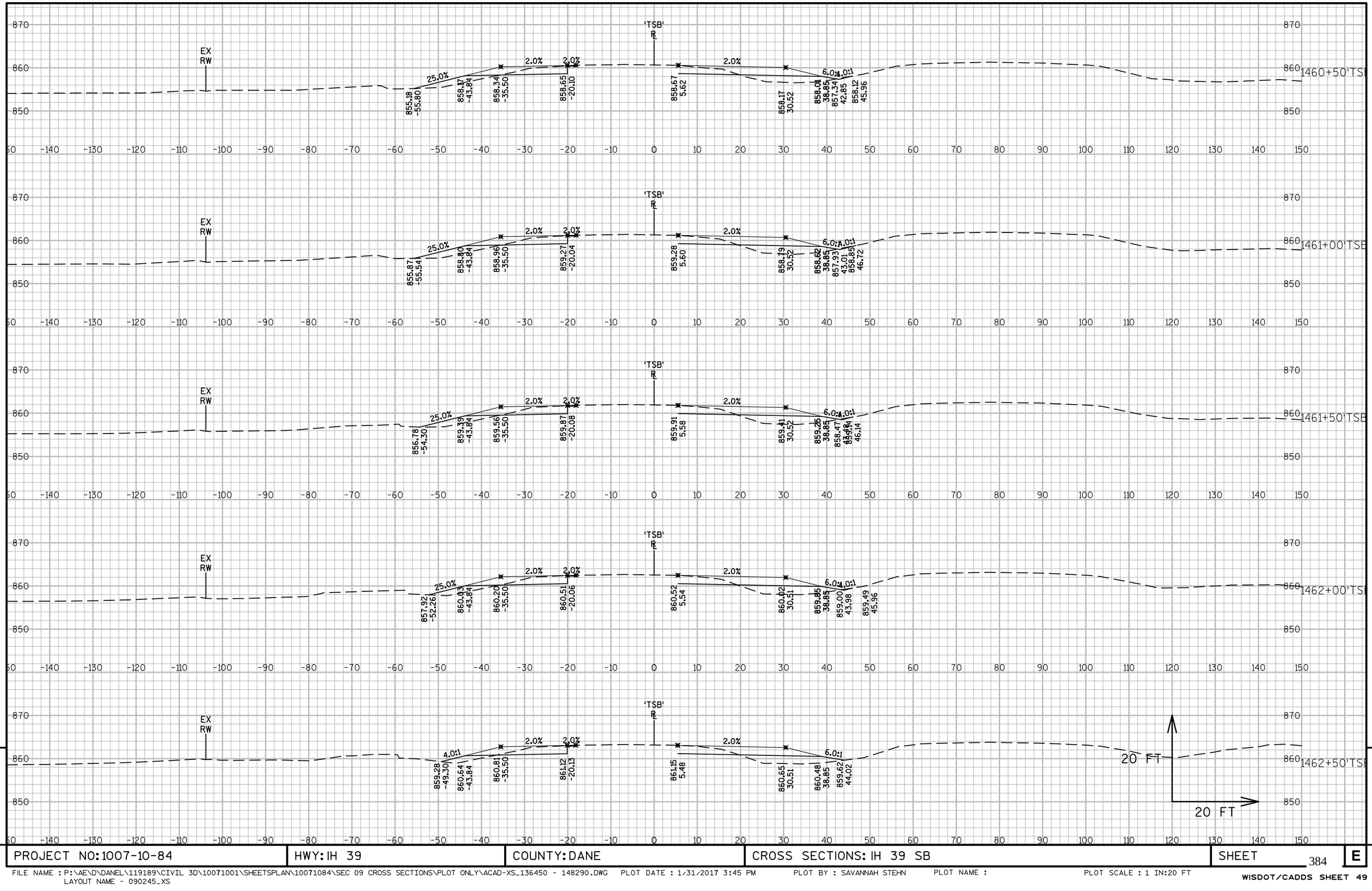

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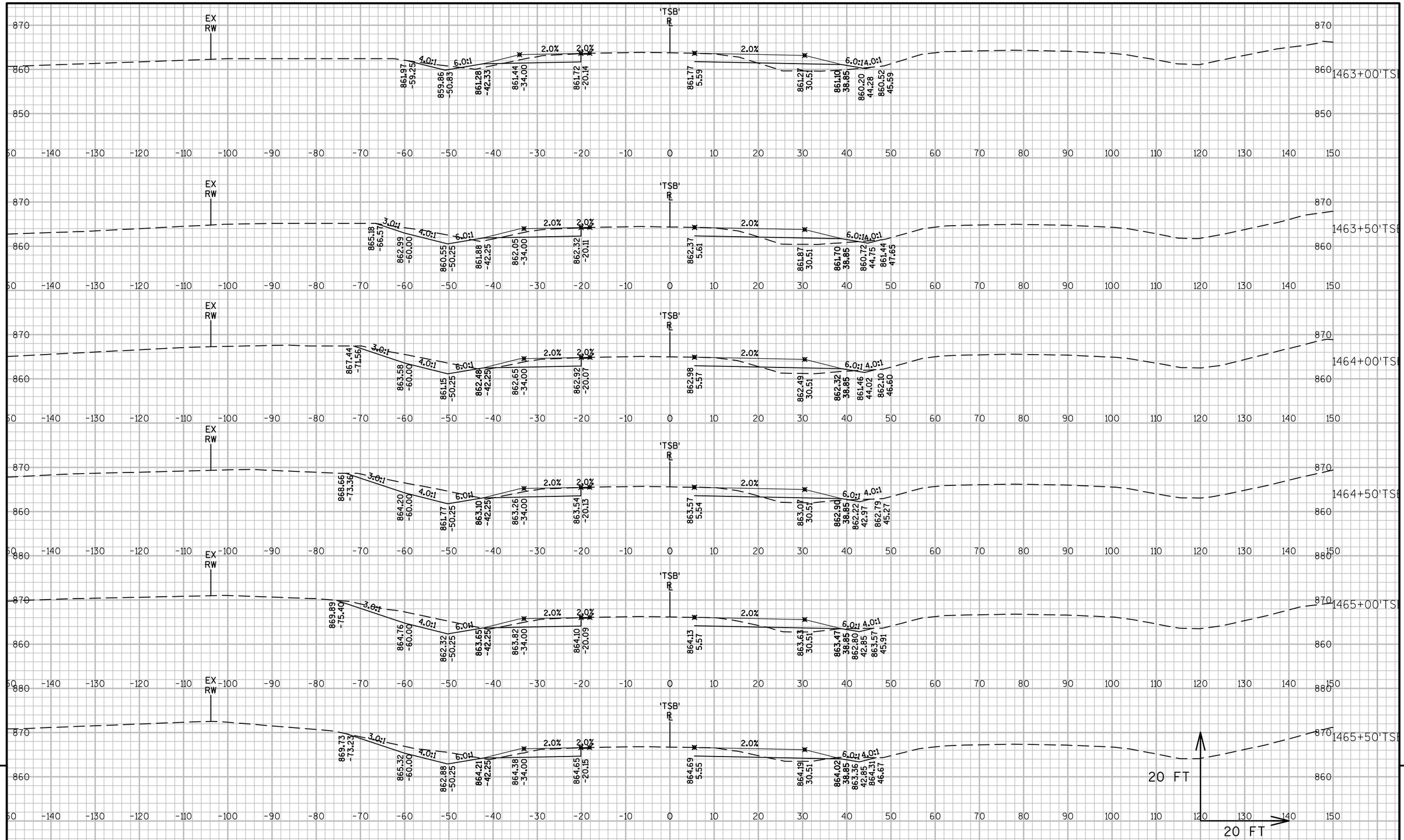
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 384	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090245_XS

WISDOT/CADDS SHEET 49



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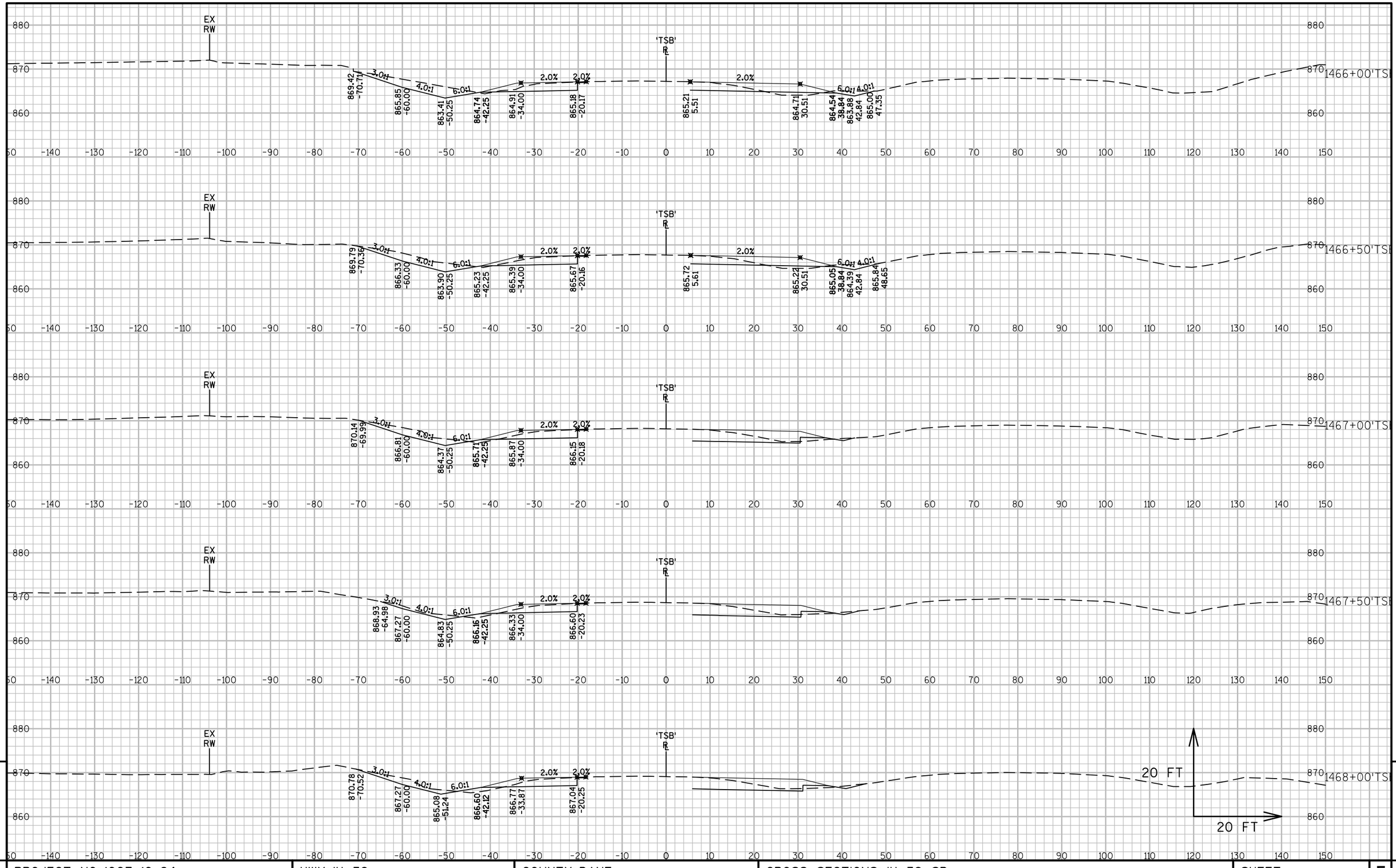
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 385	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090246_XS

WISDOT/CADDS SHEET 49



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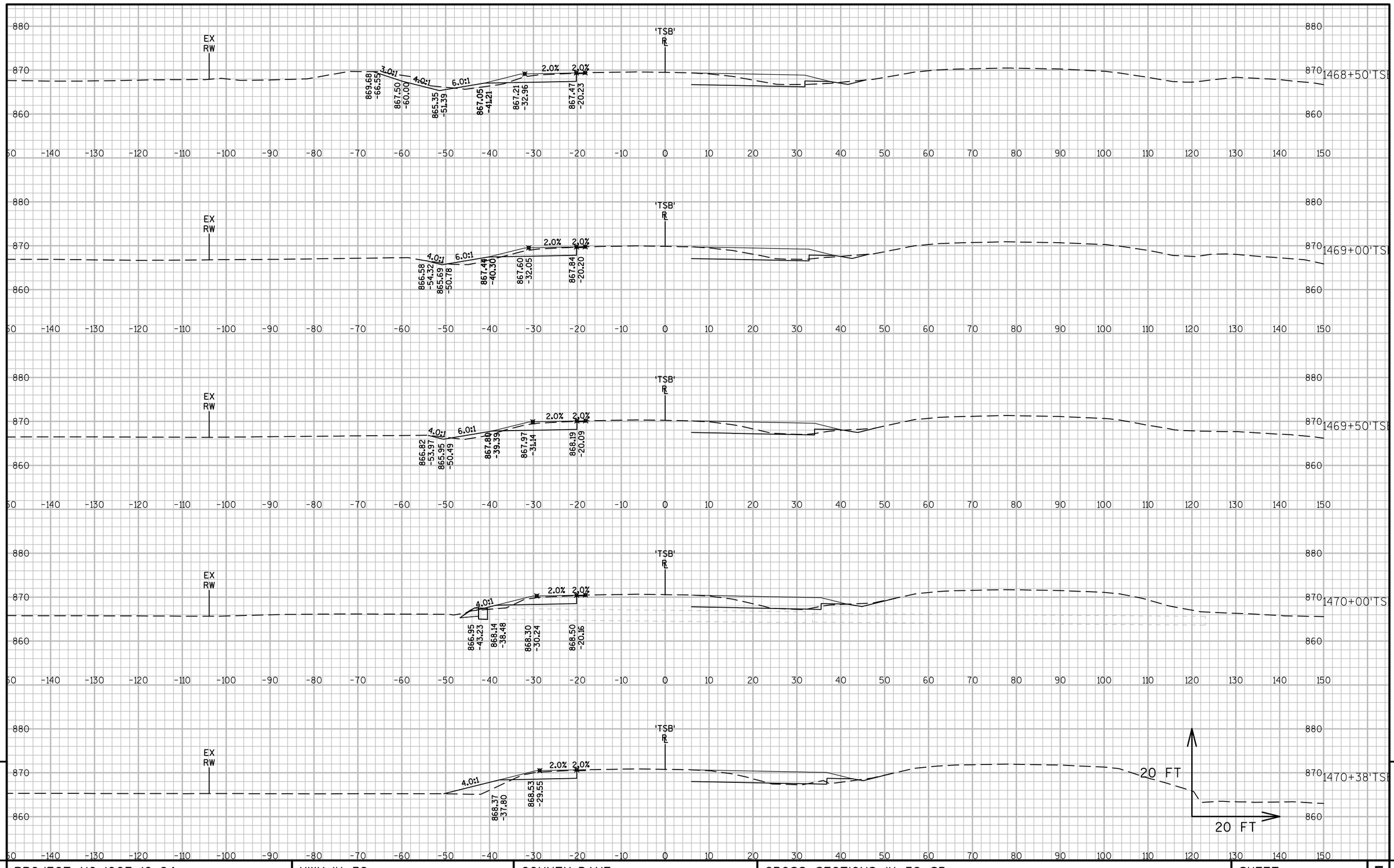
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 386	E

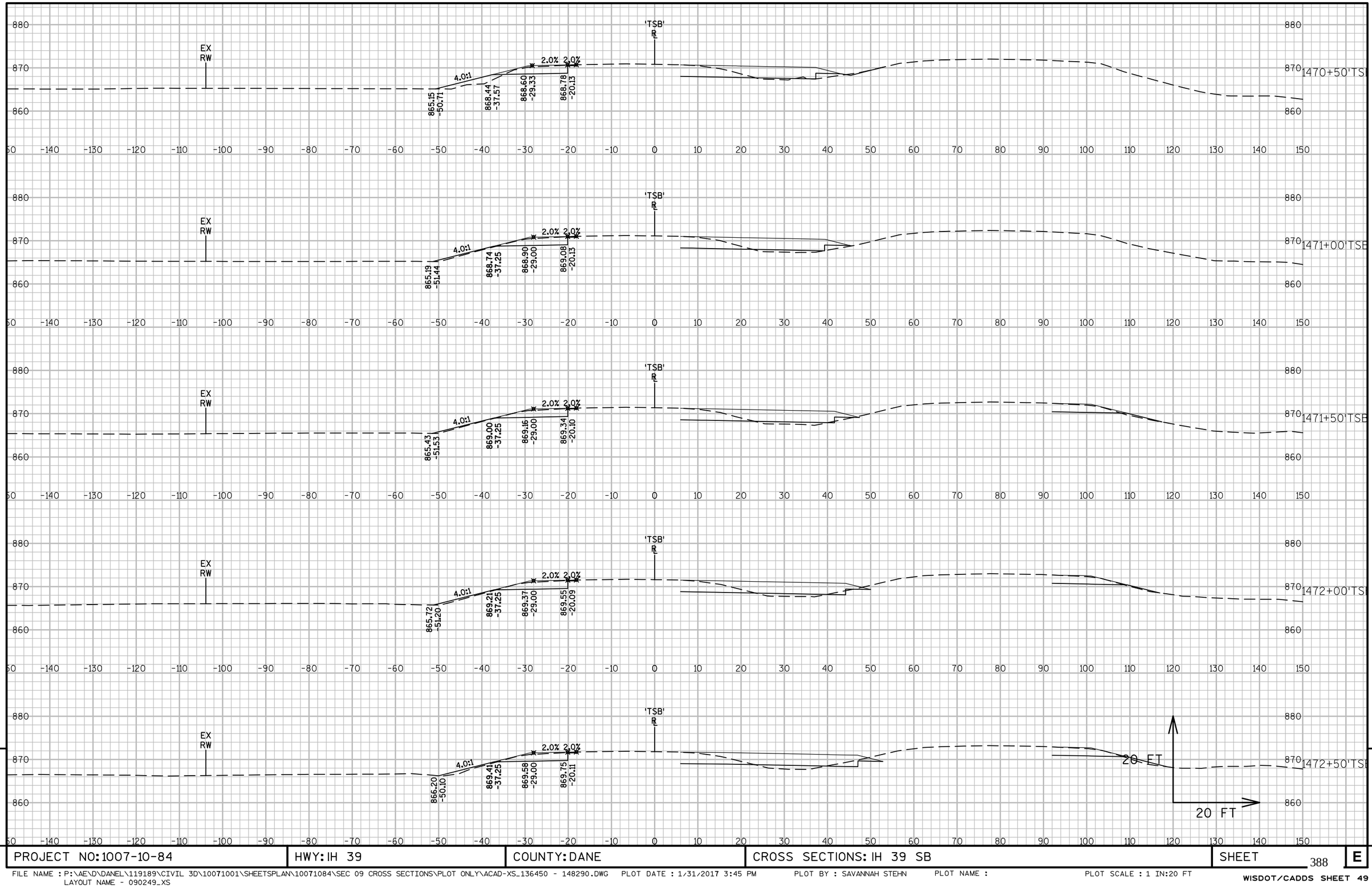
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090247_XS

WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 387	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090248_XS



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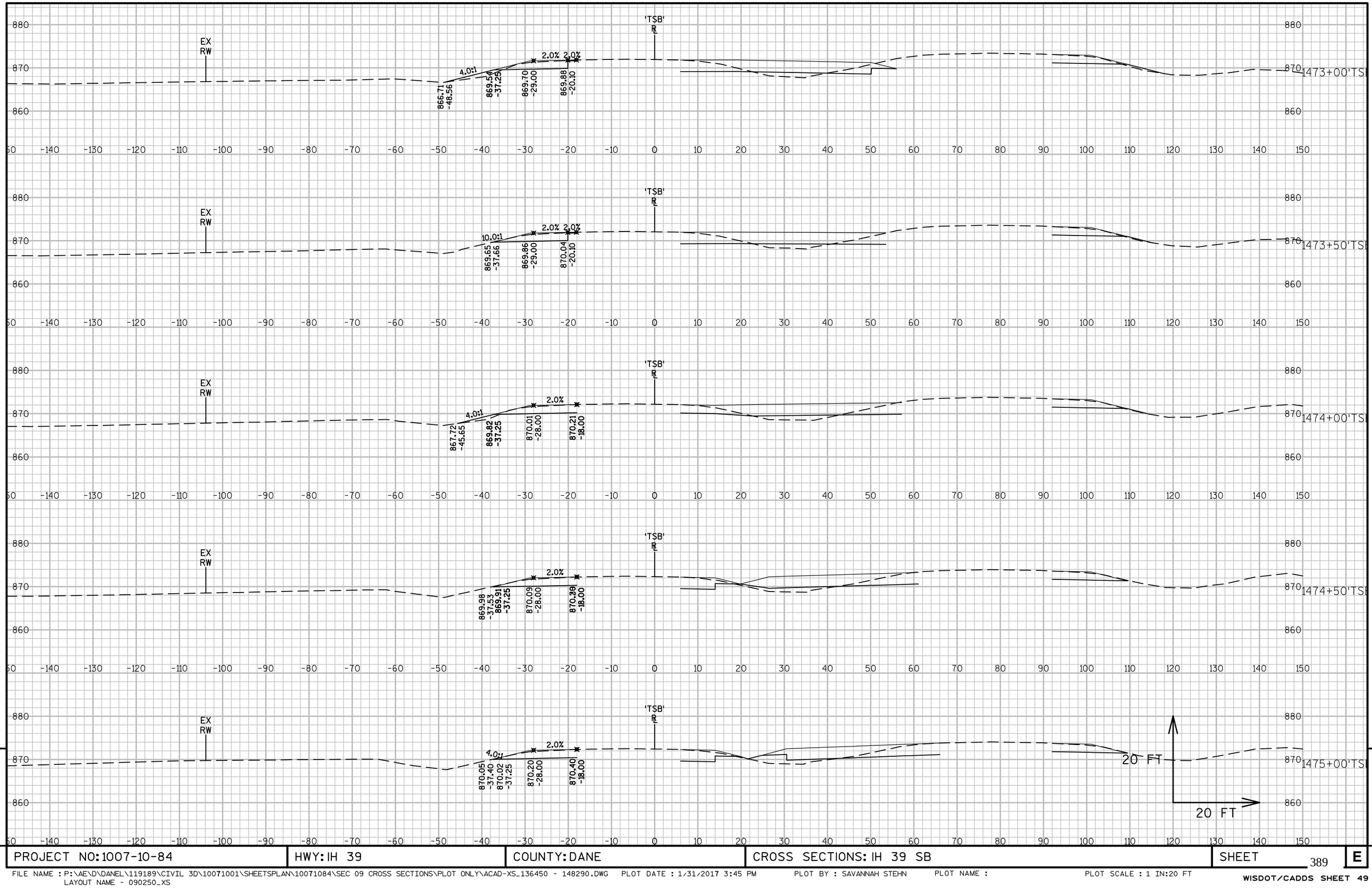
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 388	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090249_XS



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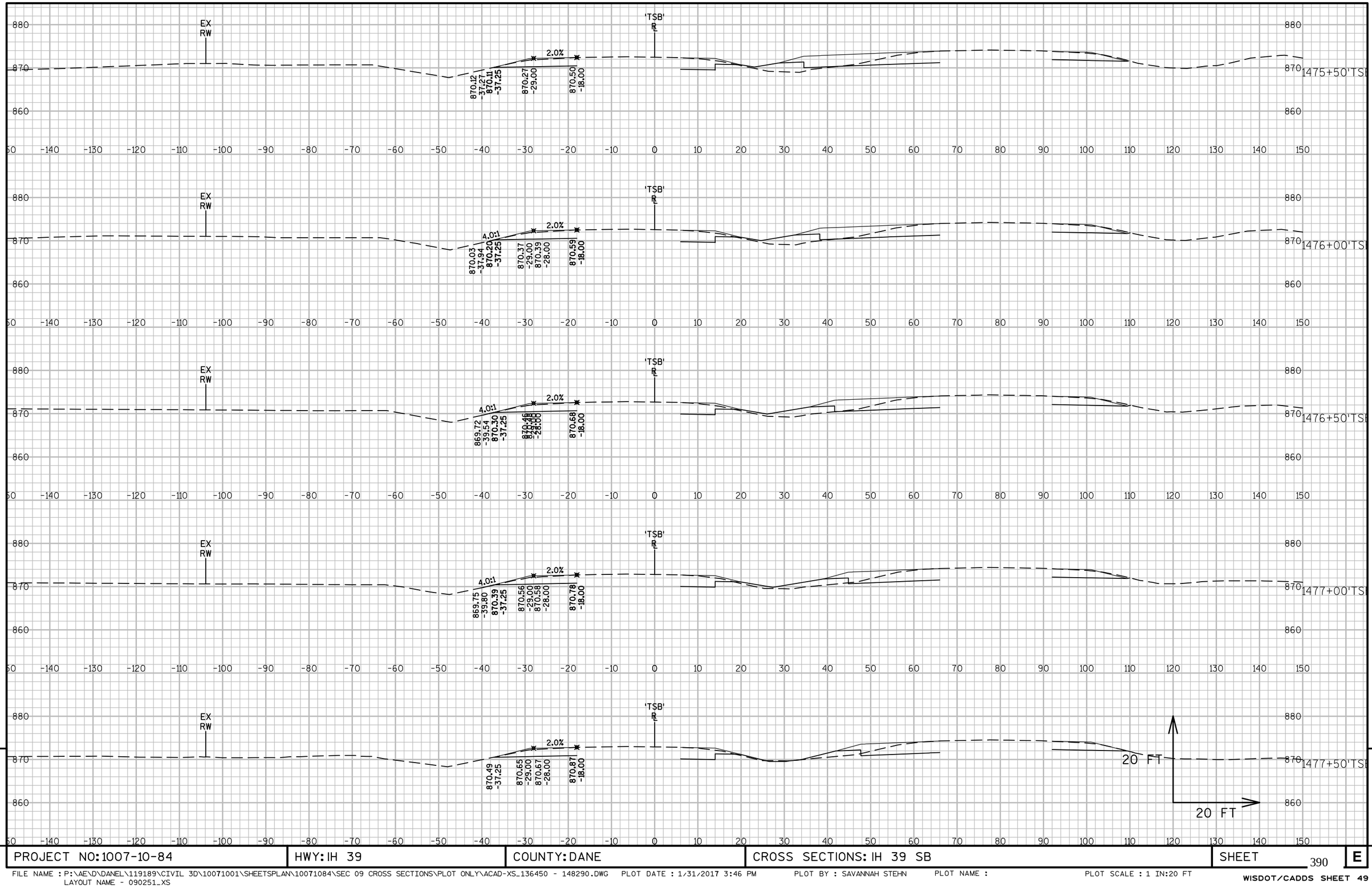
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 389	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:45 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090250_XS



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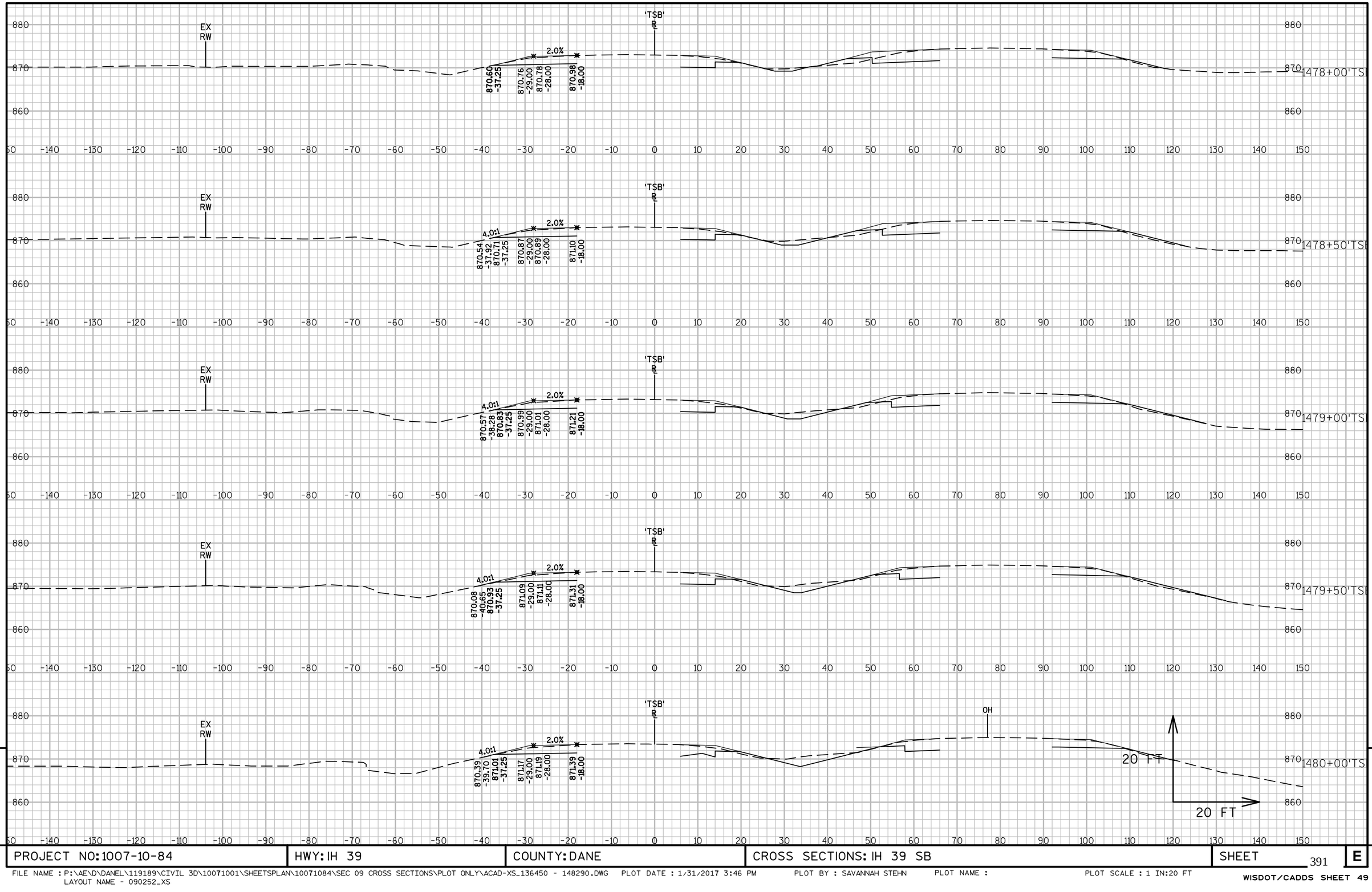
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 390	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:46 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090251_XS



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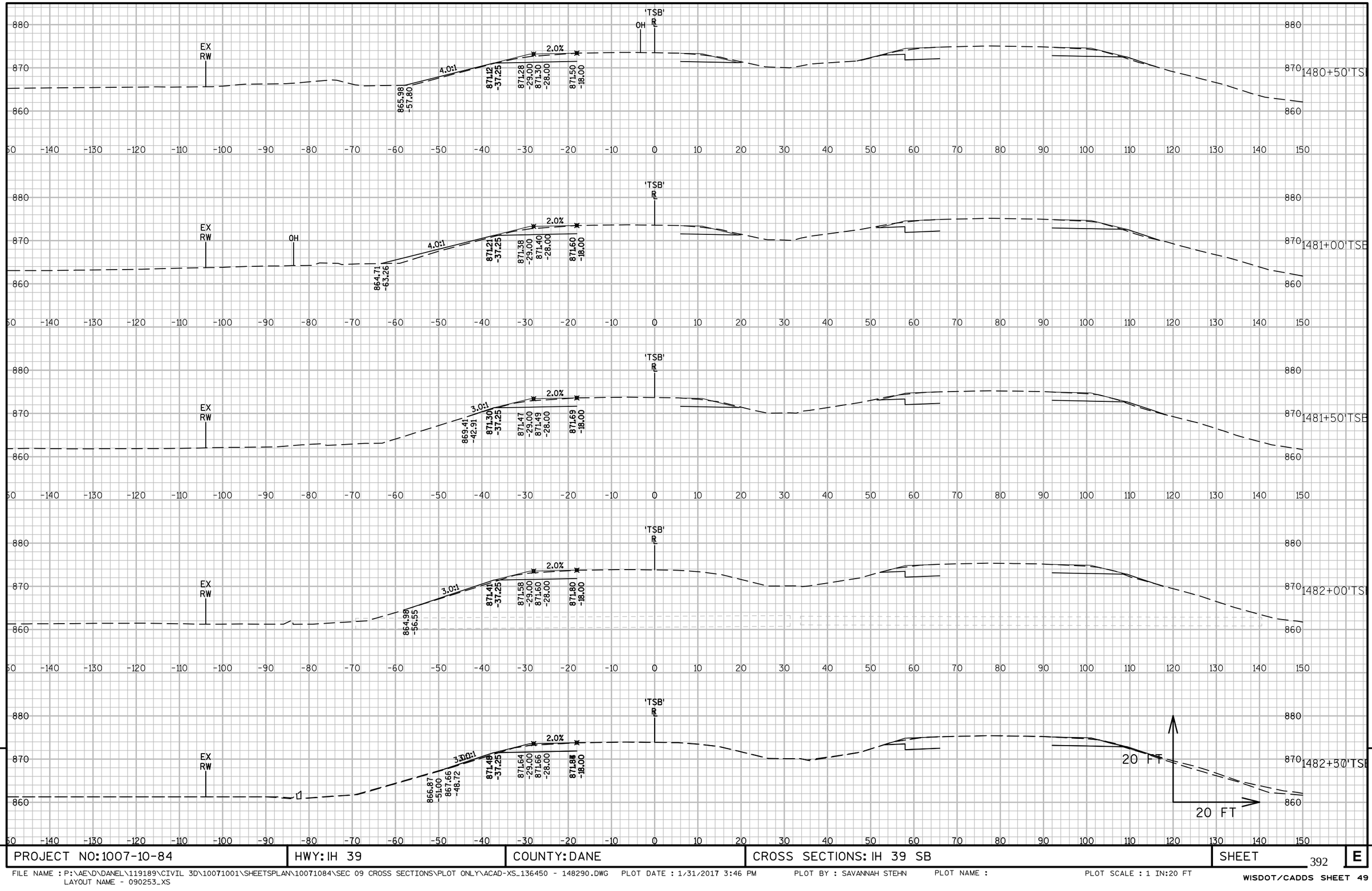
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 391	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:46 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090252_XS



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PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 392	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:46 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
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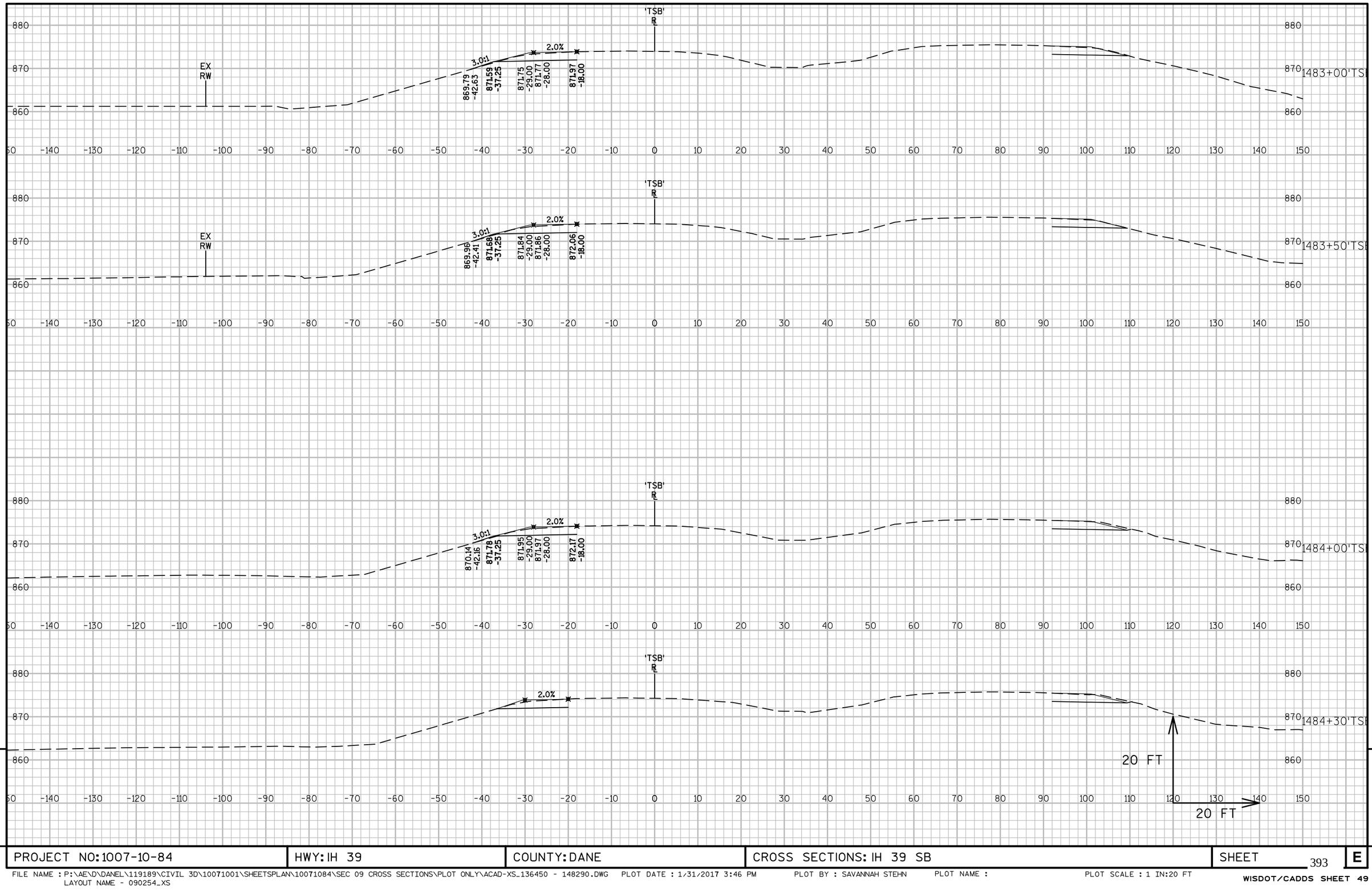

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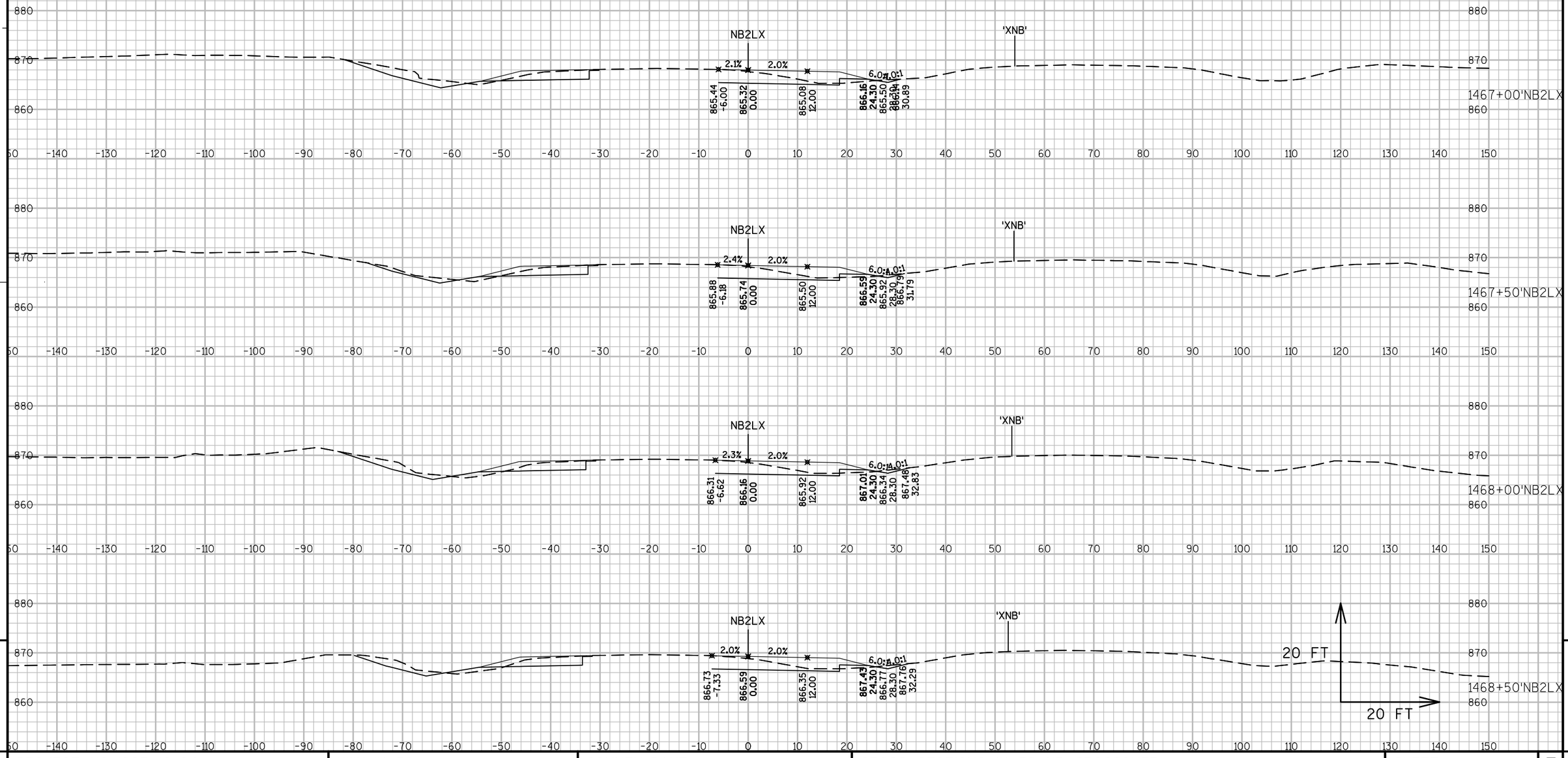
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 393	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_136450 - 148290.DWG PLOT DATE : 1/31/2017 3:46 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - 090254_XS

WISDOT/CADDS SHEET 49

BEGIN CONSTRUCTION
STA 1467+00



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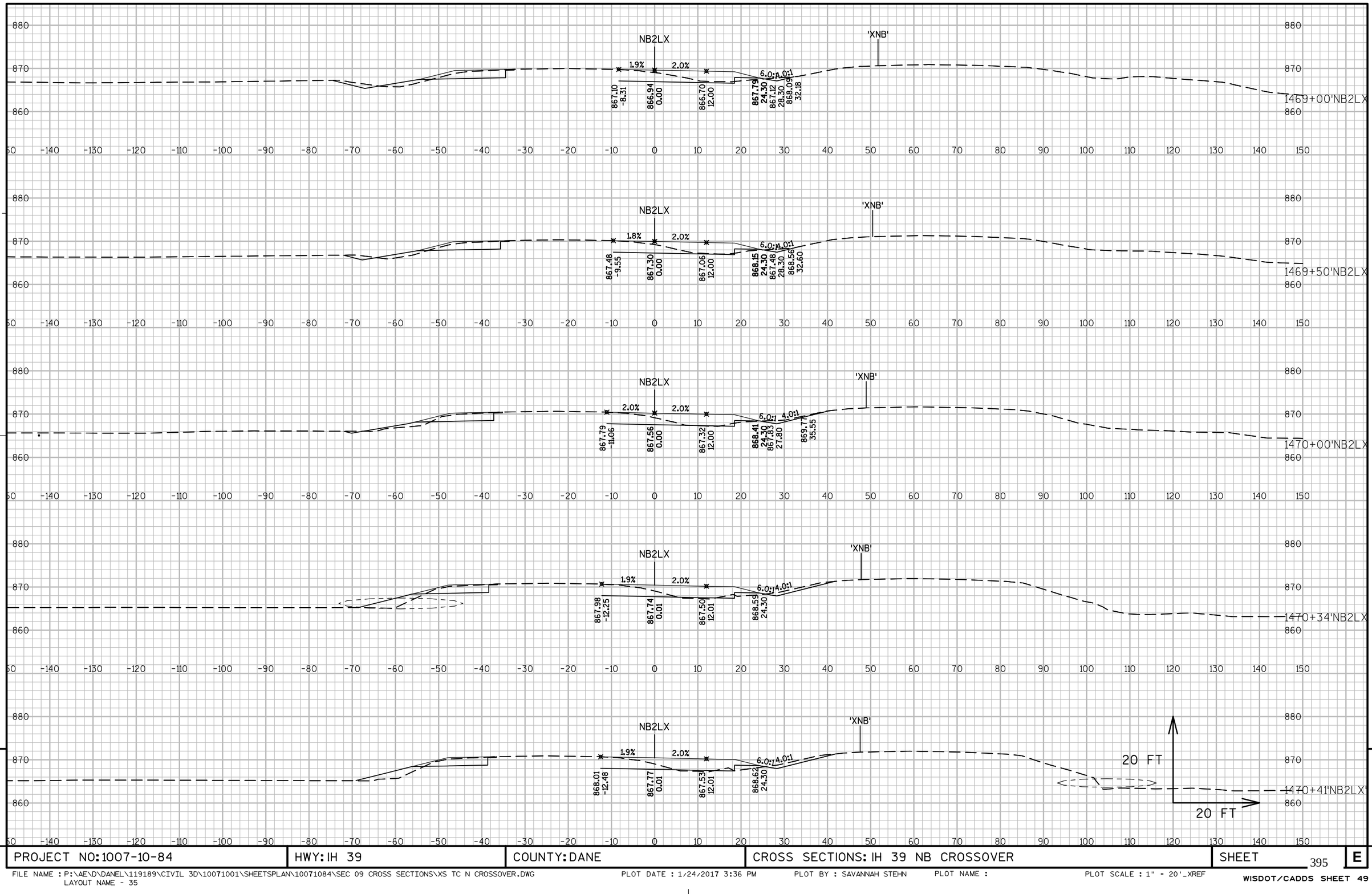
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 394	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\XS TC N CROSSOVER.DWG
LAYOUT NAME - 34
PLOT DATE : 1/24/2017 3:36 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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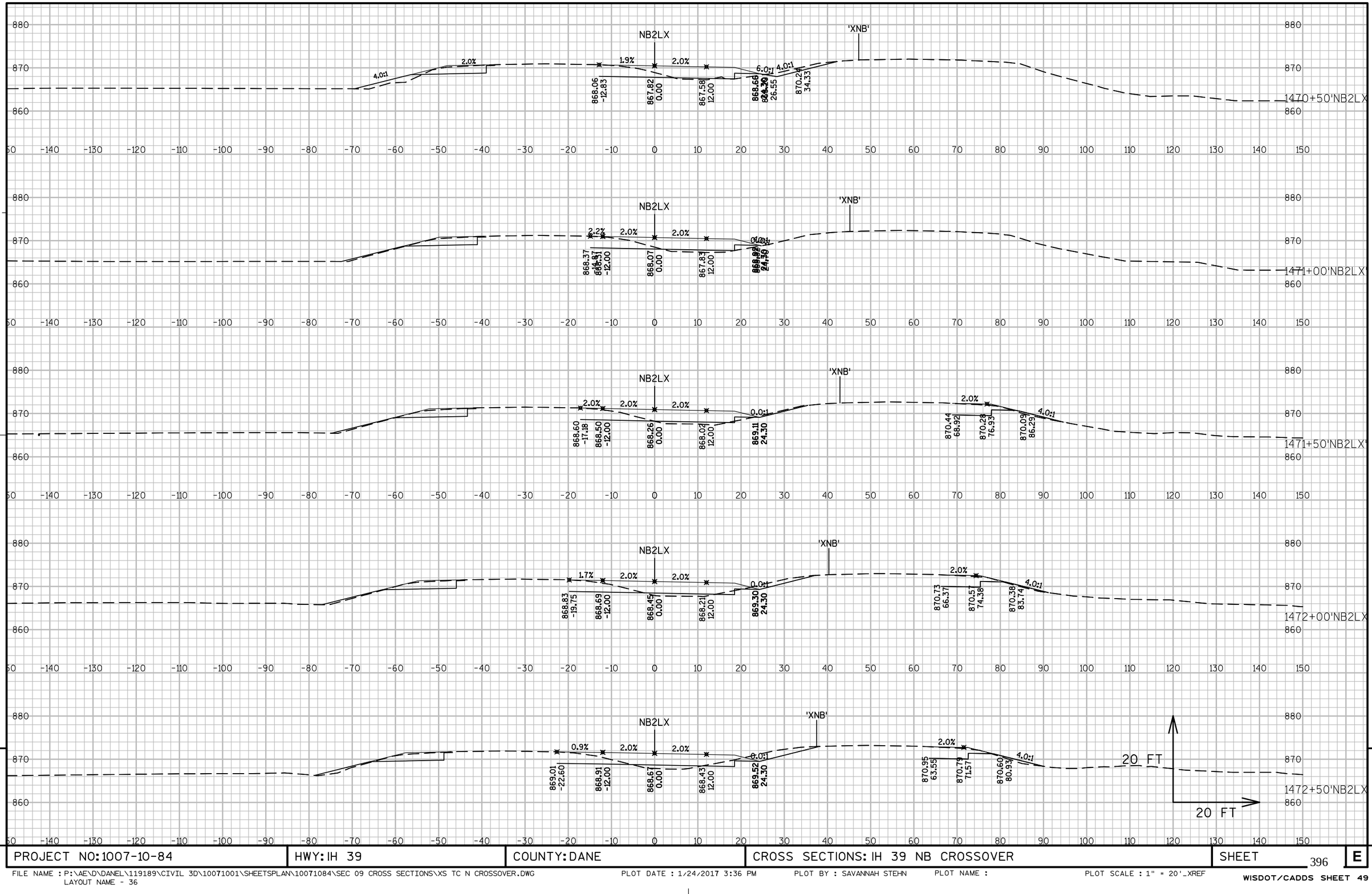
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 395	E

9

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\XS TC N CROSSOVER.DWG
LAYOUT NAME - 35

PLOT DATE : 1/24/2017 3:36 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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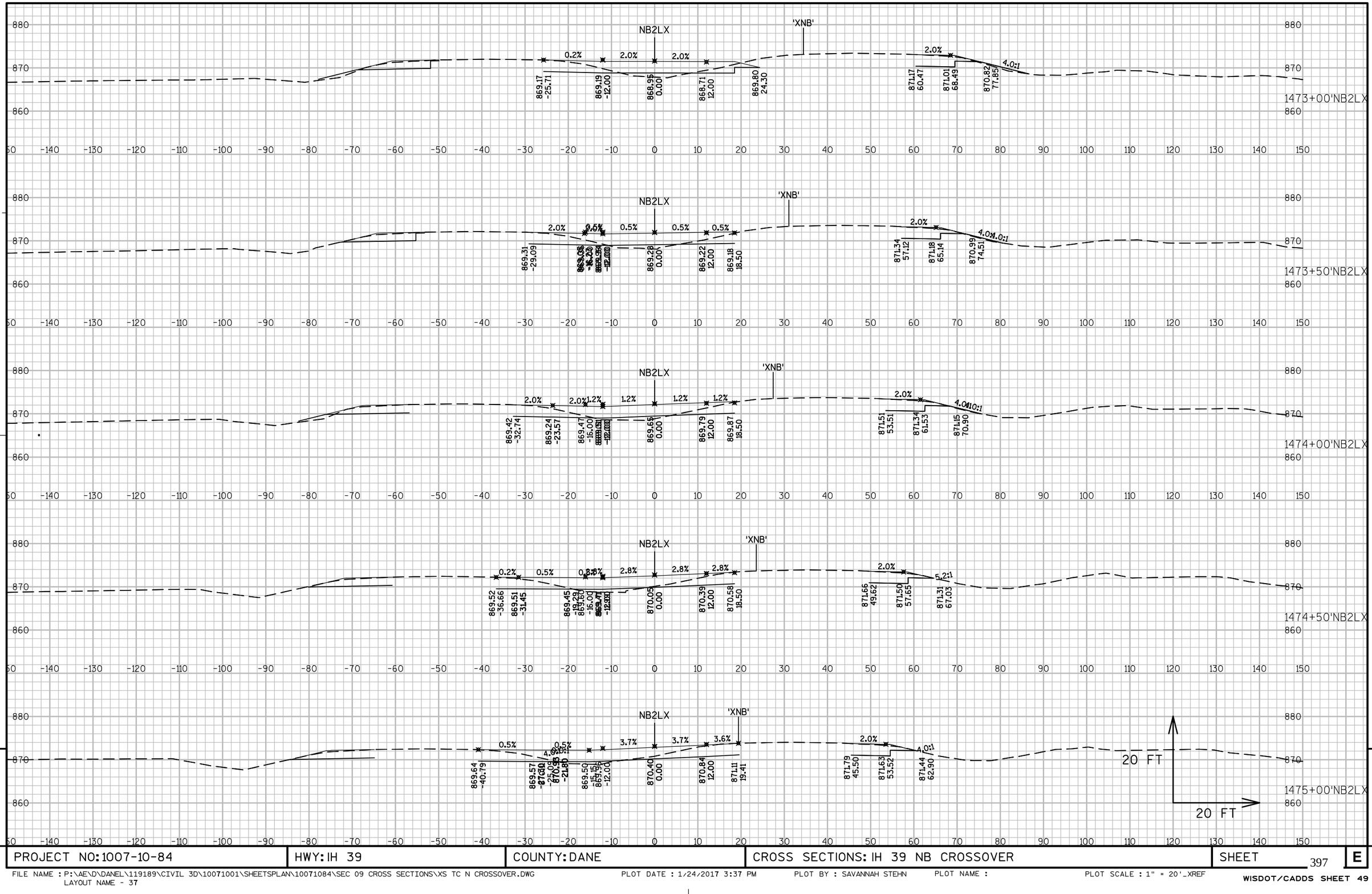
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 396	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\XS TC N CROSSOVER.DWG
LAYOUT NAME - 36
PLOT DATE : 1/24/2017 3:36 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF
WISDOT/CADDS SHEET 49



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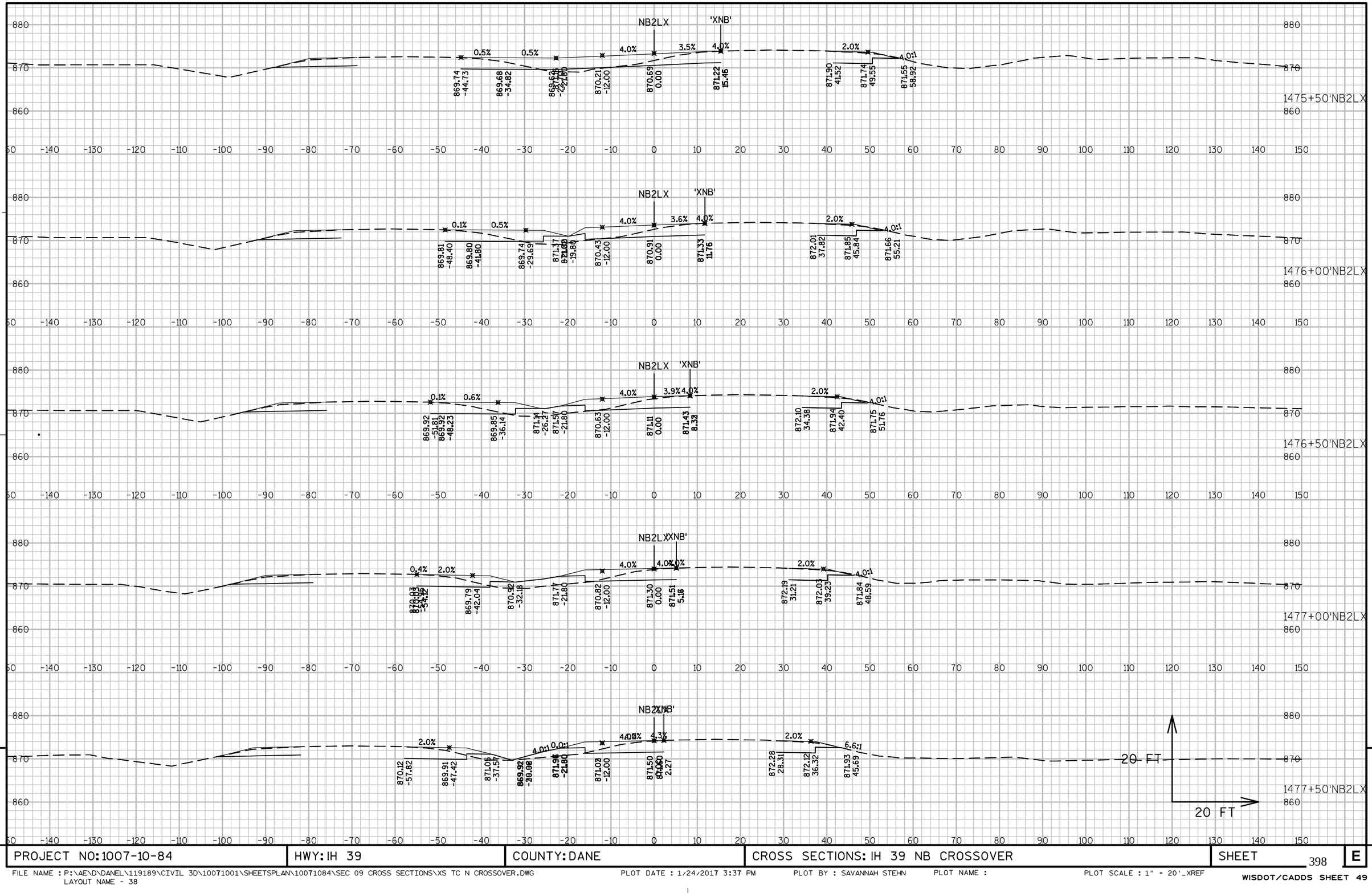
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 397	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\XS TC N CROSSOVER.DWG
LAYOUT NAME - 37

PLOT DATE : 1/24/2017 3:37 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49

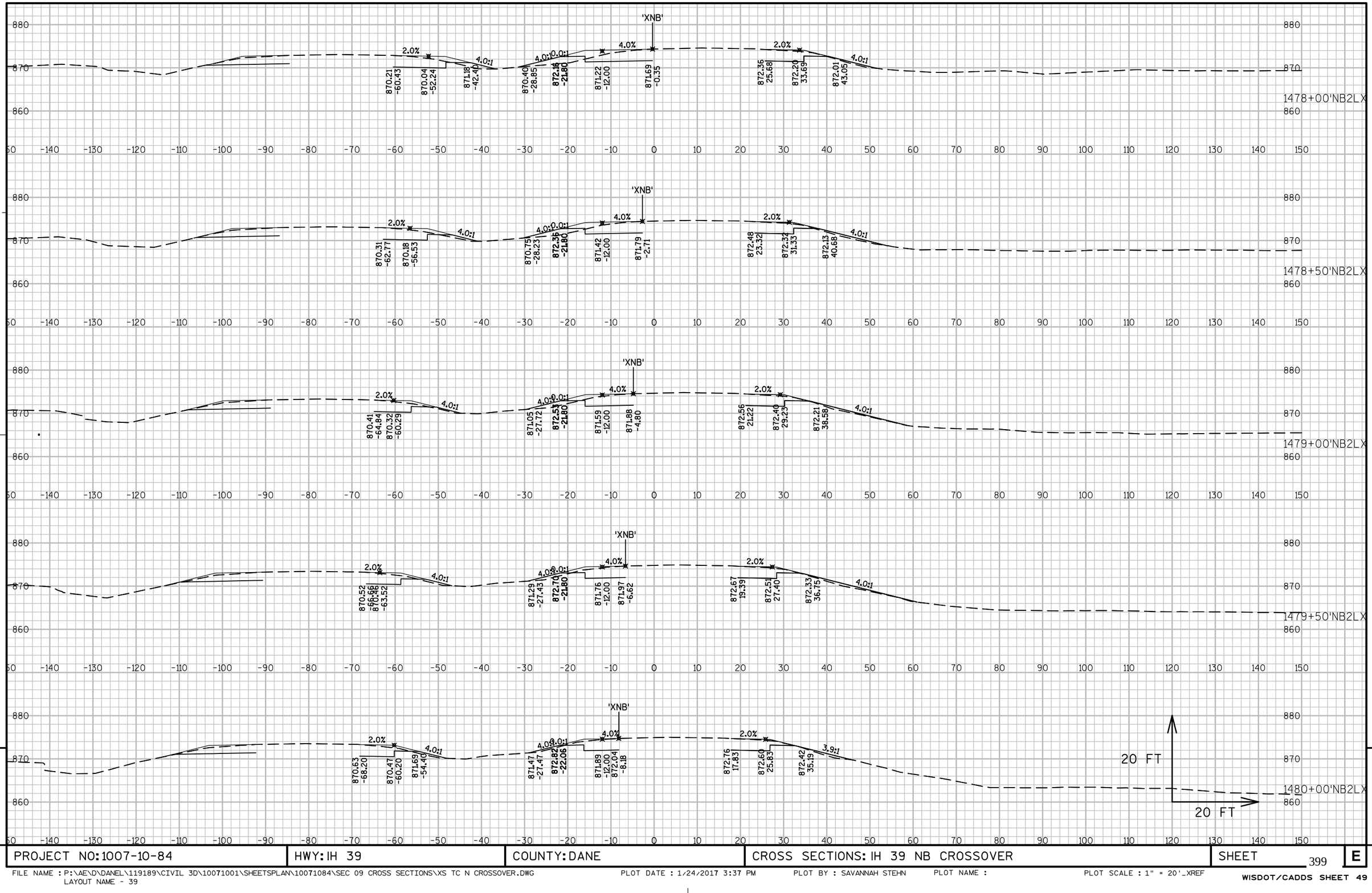


PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 398	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\XS TC N CROSSOVER.DWG
LAYOUT NAME - 38

PLOT DATE : 1/24/2017 3:37 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



9

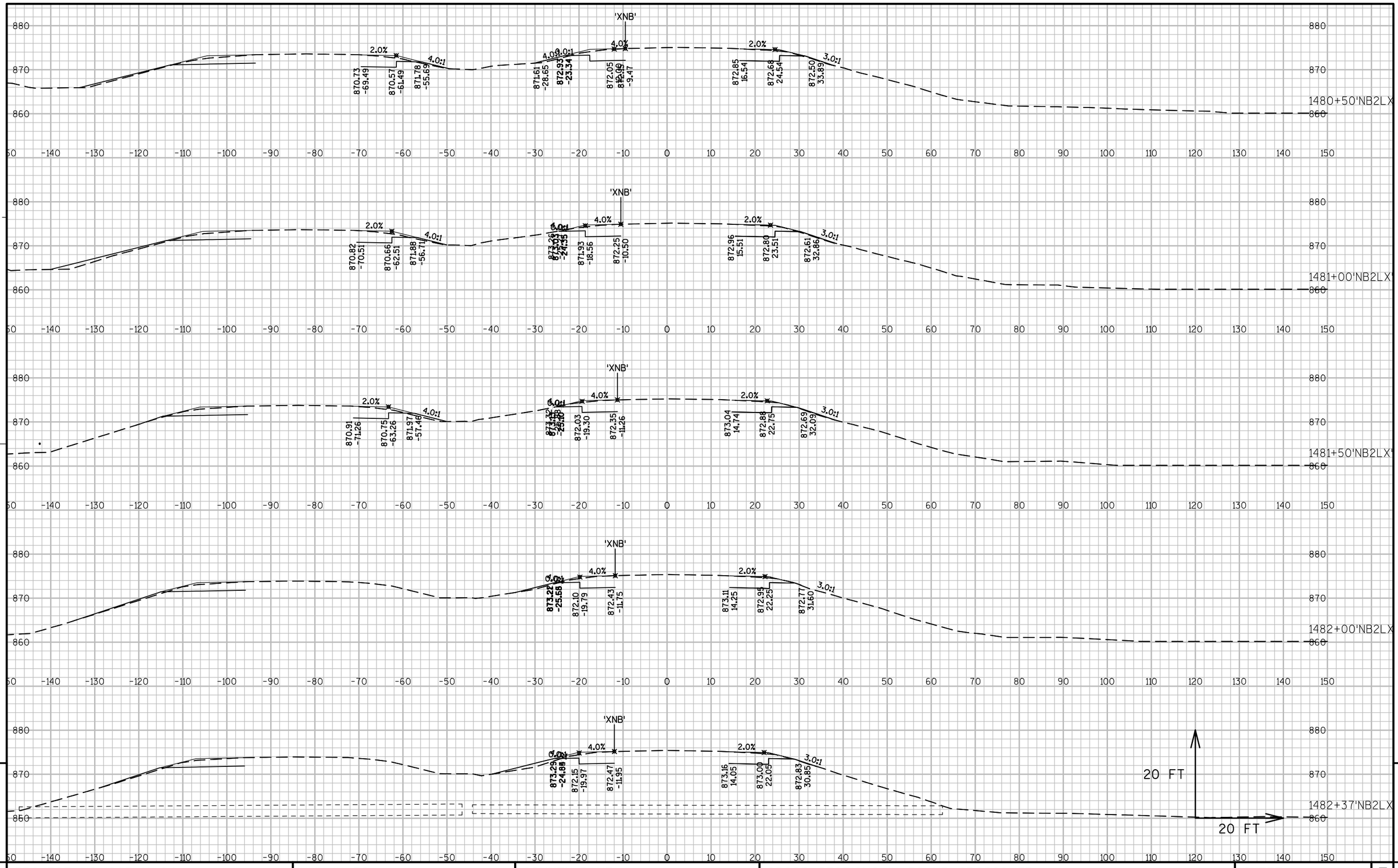
9

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 399	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\XS TC N CROSSOVER.DWG
LAYOUT NAME - 39

PLOT DATE : 1/24/2017 3:37 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49

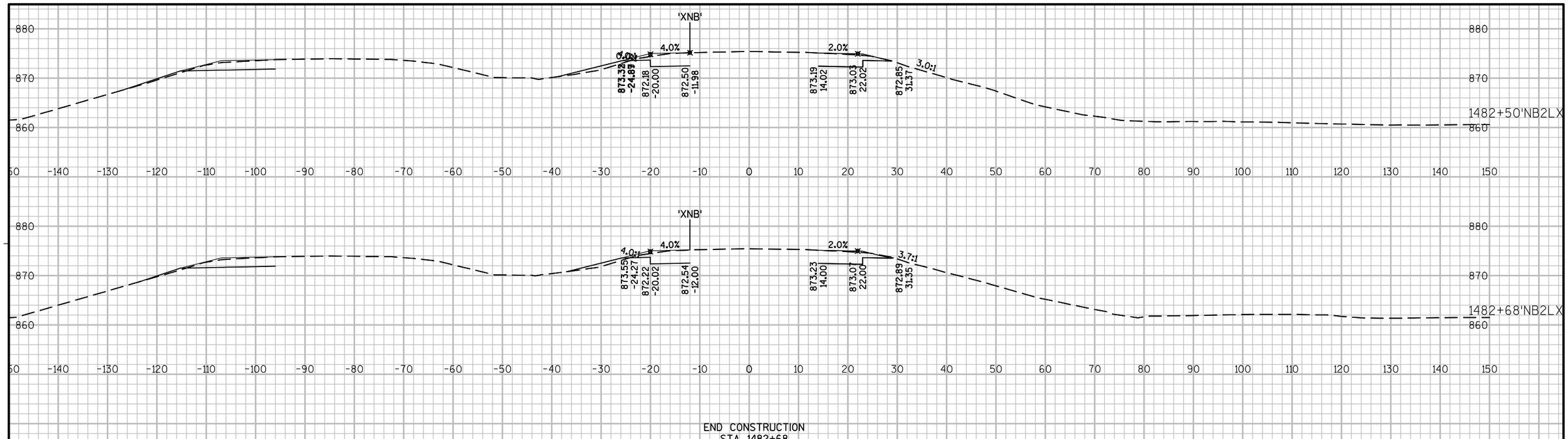


9 9

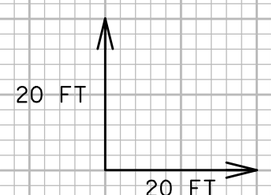
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 400	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\XS TC N CROSSOVER.DWG
LAYOUT NAME - 40

PLOT DATE : 1/24/2017 3:37 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF



END CONSTRUCTION
STA 1482+68



9 9

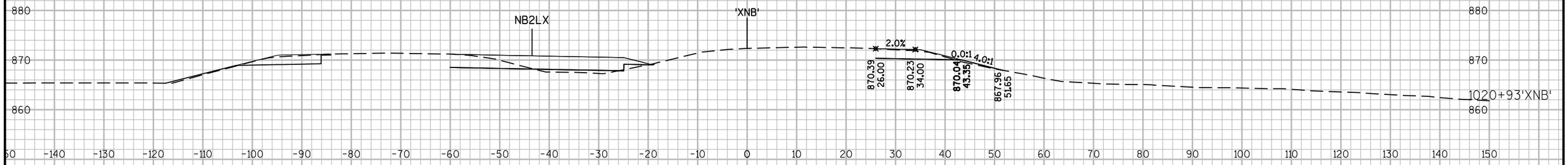
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 401	E

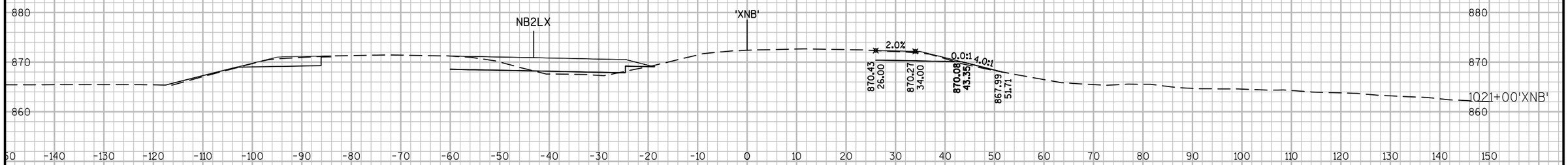
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\XS TC N CROSSOVER.DWG
LAYOUT NAME - 41

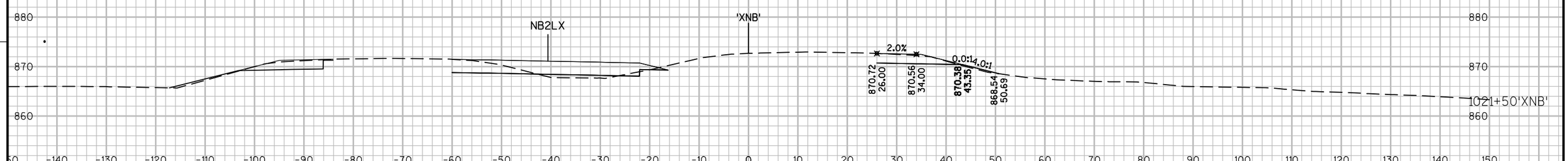
PLOT DATE : 1/24/2017 3:37 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

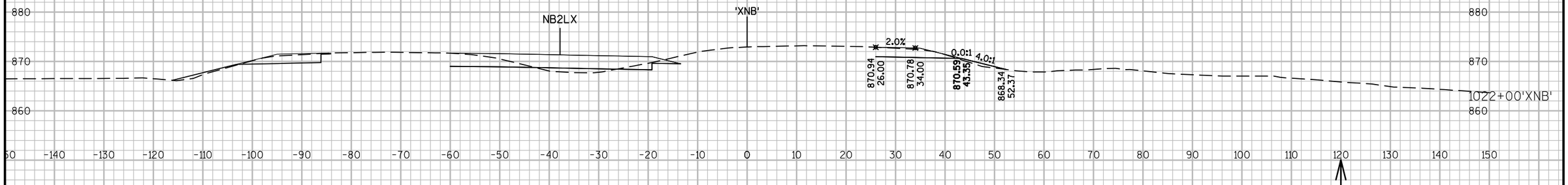
WISDOT/CADDS SHEET 49

BEGIN CONSTRUCTION
STA 1020+93'XNB'









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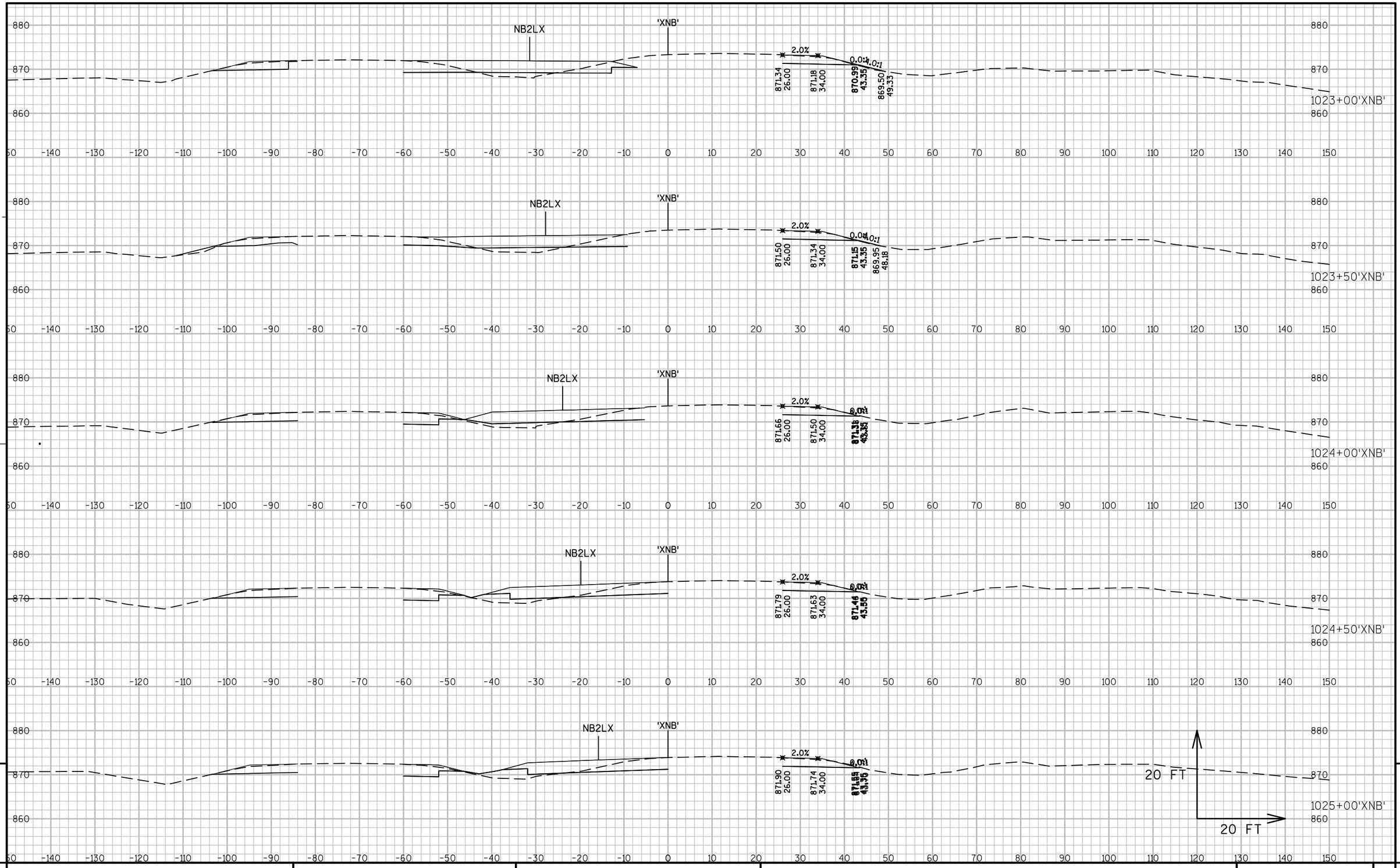
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB OUTSIDE SHLD	SHEET 402	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\XS TC N CROSSOVER.DWG
LAYOUT NAME - 42

PLOT DATE : 1/24/2017 3:38 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

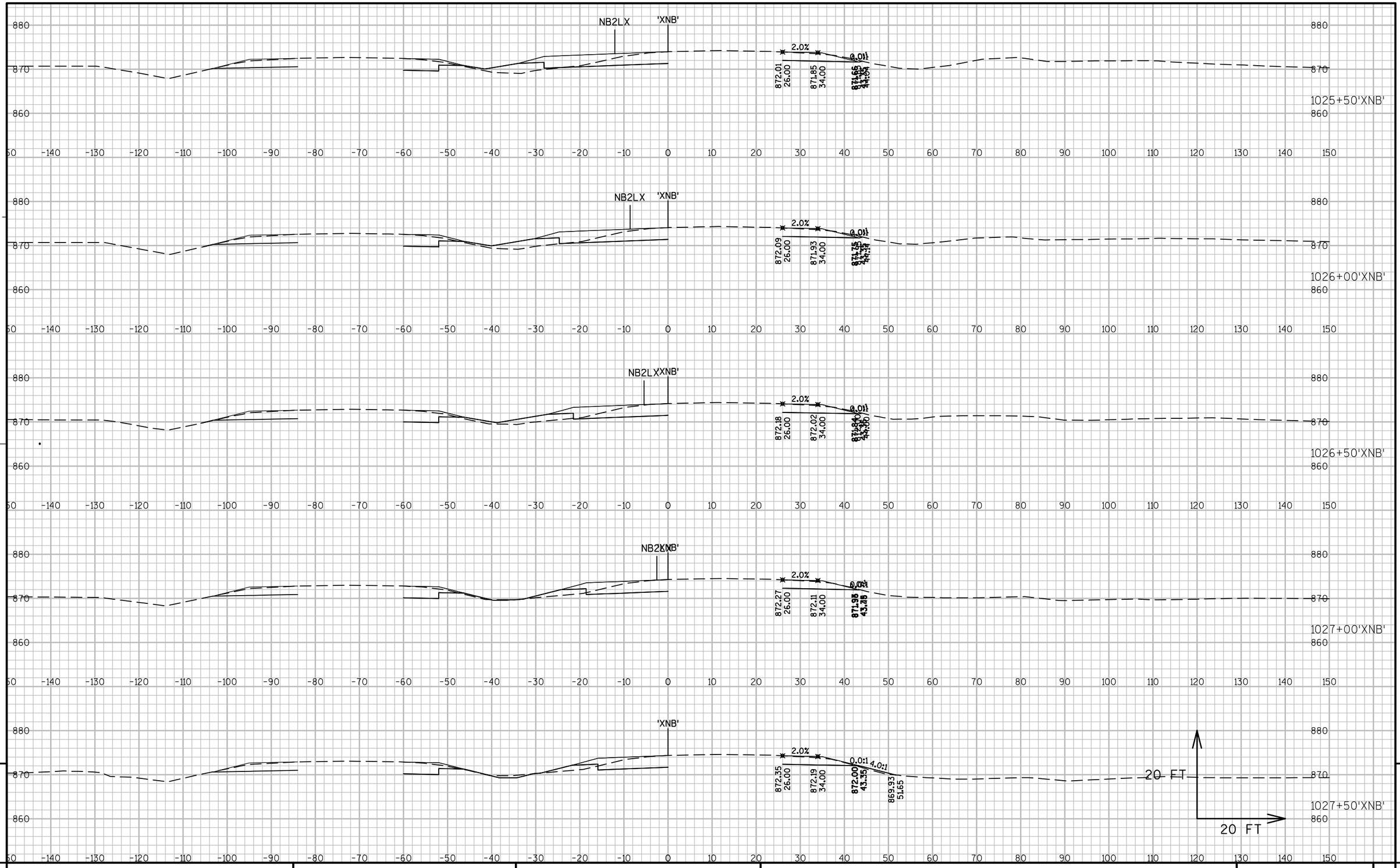


PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB OUTSIDE SHLD	SHEET 403	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\XS TC N CROSSOVER.DWG
LAYOUT NAME - 43

PLOT DATE : 1/24/2017 3:38 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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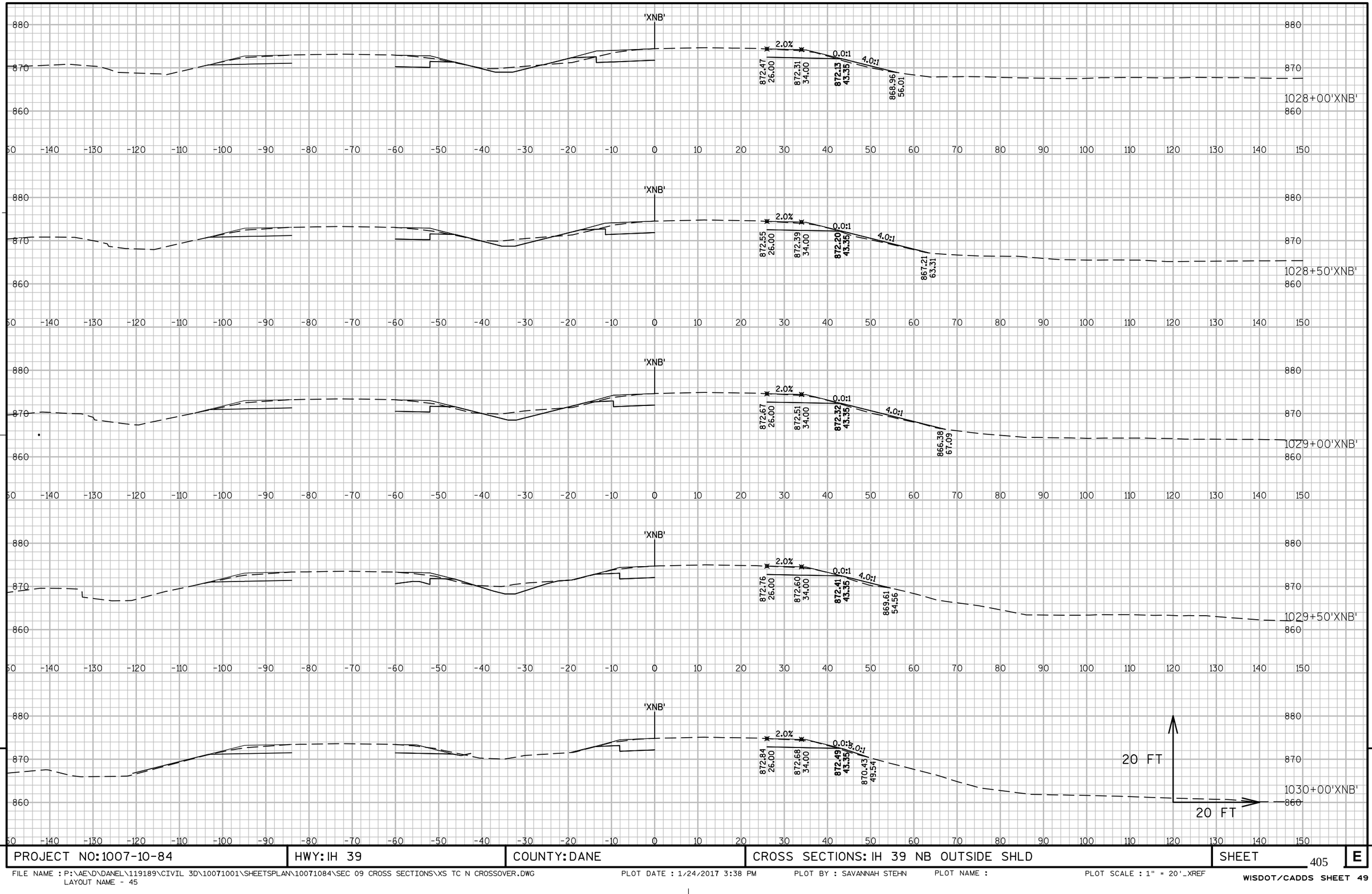
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB OUTSIDE SHLD	SHEET 404	E



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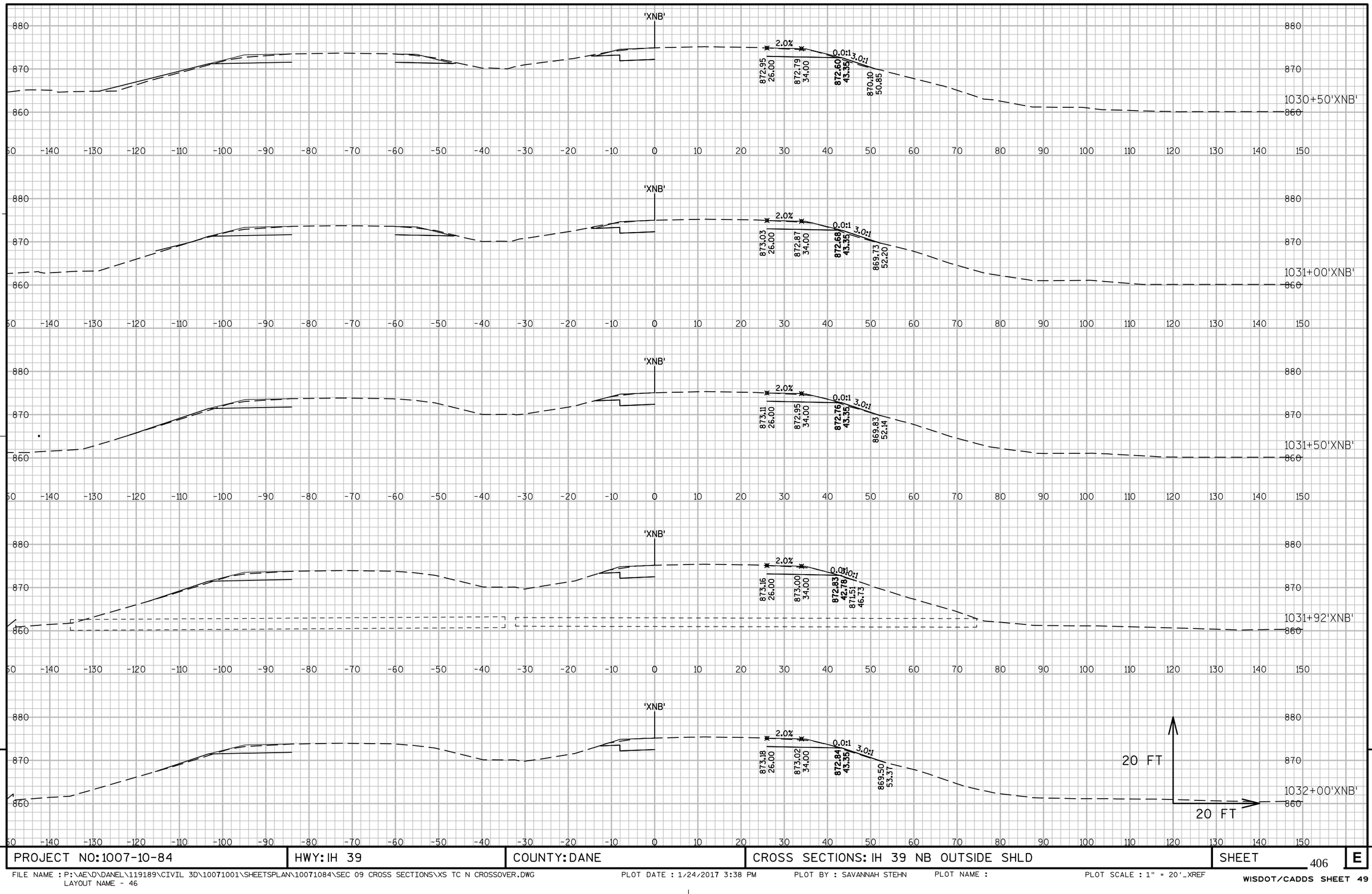
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB OUTSIDE SHLD	SHEET 405	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\XS TC N CROSSOVER.DWG
LAYOUT NAME - 45
PLOT DATE : 1/24/2017 3:38 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB OUTSIDE SHLD	SHEET 406	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\XS TC N CROSSOVER.DWG
LAYOUT NAME - 46

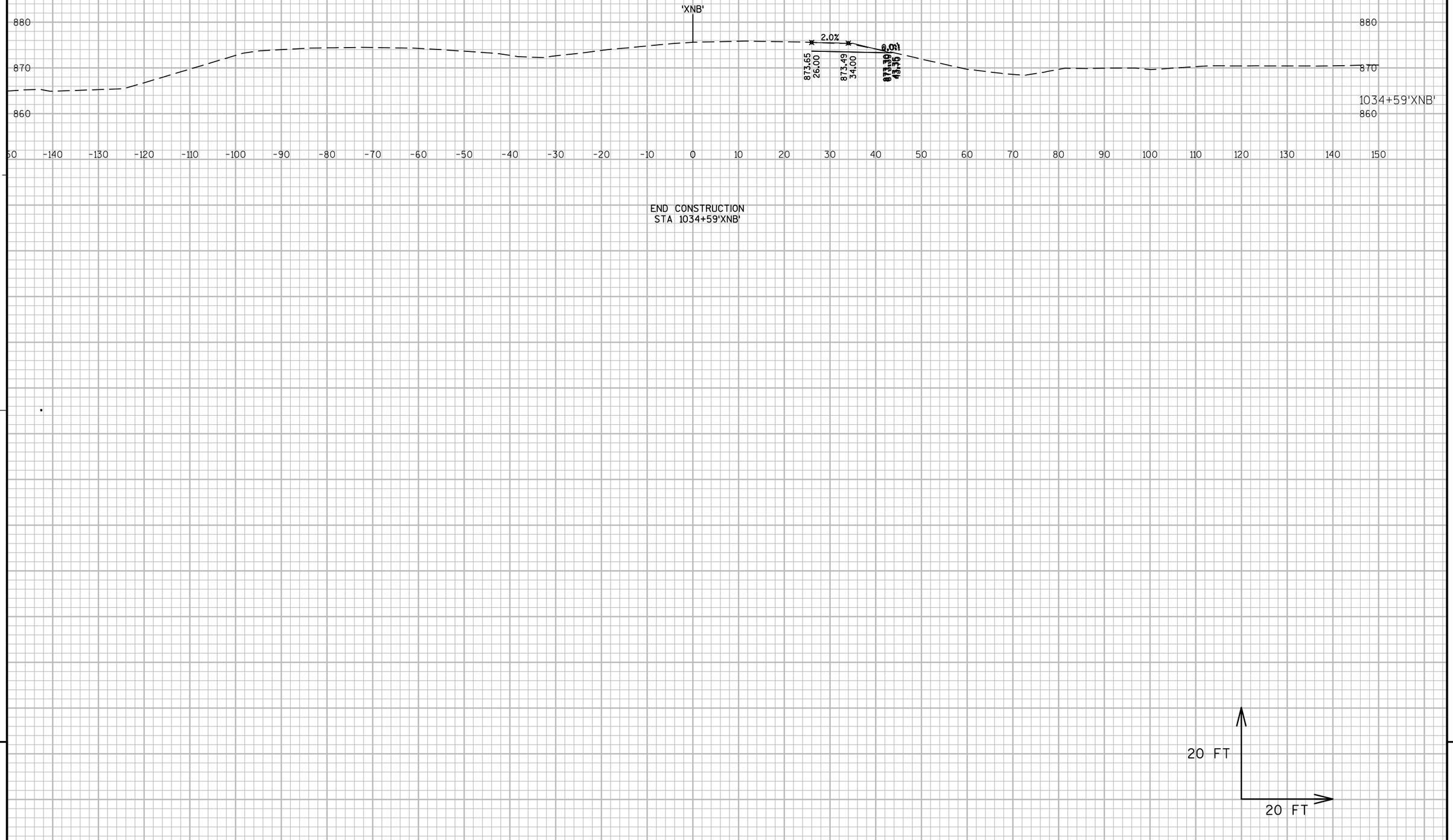
PLOT DATE : 1/24/2017 3:38 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49

'XNB'
2.0%
873.28
26.00
873.12
34.00
1032+50'XNB'
'XNB'
2.0%
873.38
26.00
873.22
34.00
1033+00'XNB'
'XNB'
2.0%
873.49
26.00
873.33
34.00
1033+50'XNB'
'XNB'
2.0%
873.56
26.00
873.40
34.00
1034+00'XNB'
'XNB'
2.0%
873.64
26.00
873.48
34.00
1034+50'XNB'
20 FT
20 FT

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB OUTSIDE SHLD	SHEET 407	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\XS TC N CROSSOVER.DWG
LAYOUT NAME - 46
PLOT DATE : 1/24/2017 3:39 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF
WISDOT/CADDS SHEET 49



9

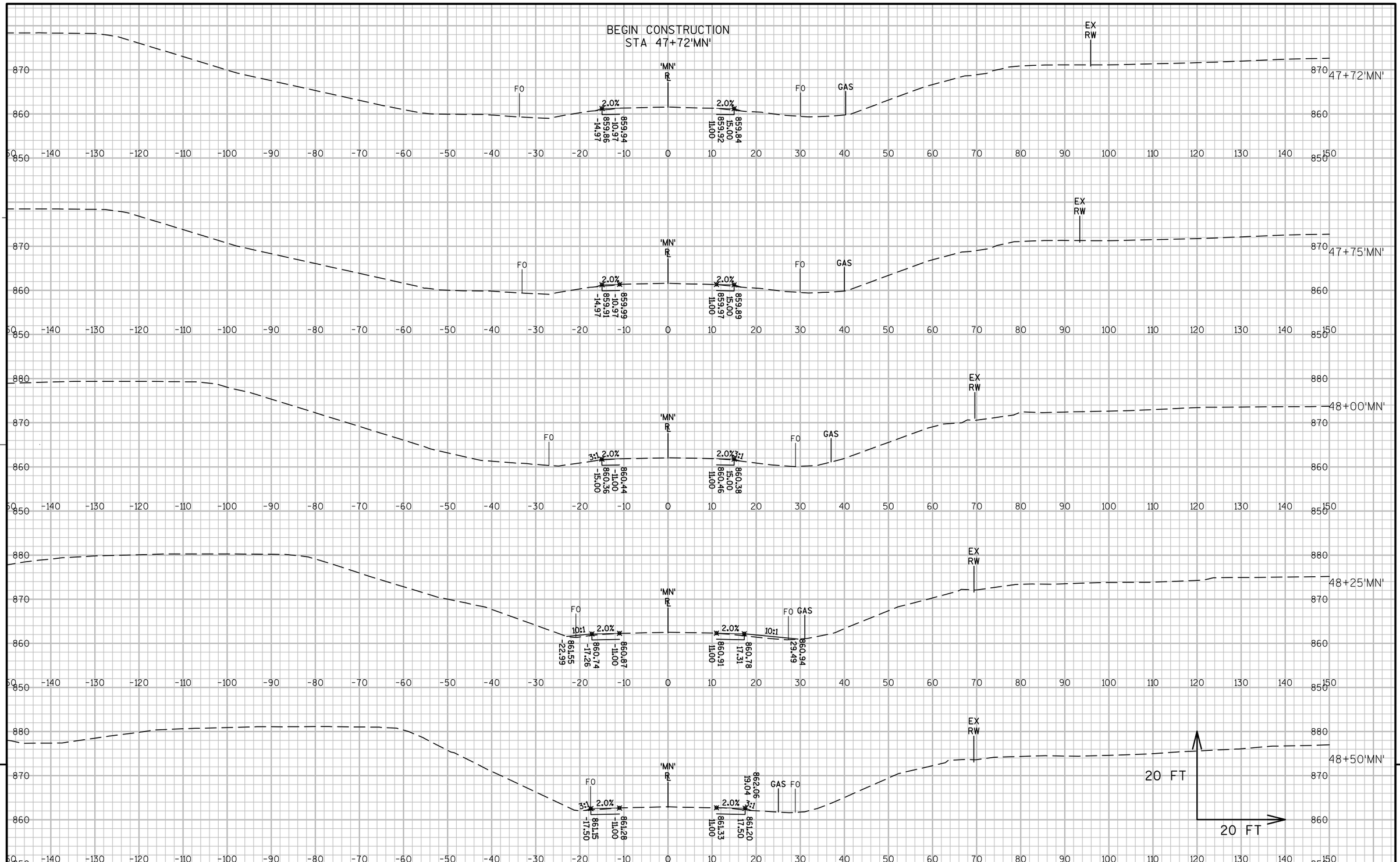
9

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB OUTSIDE SHLD	SHEET 408	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\XS TC N CROSSOVER.DWG
LAYOUT NAME - 46

PLOT DATE : 1/24/2017 3:39 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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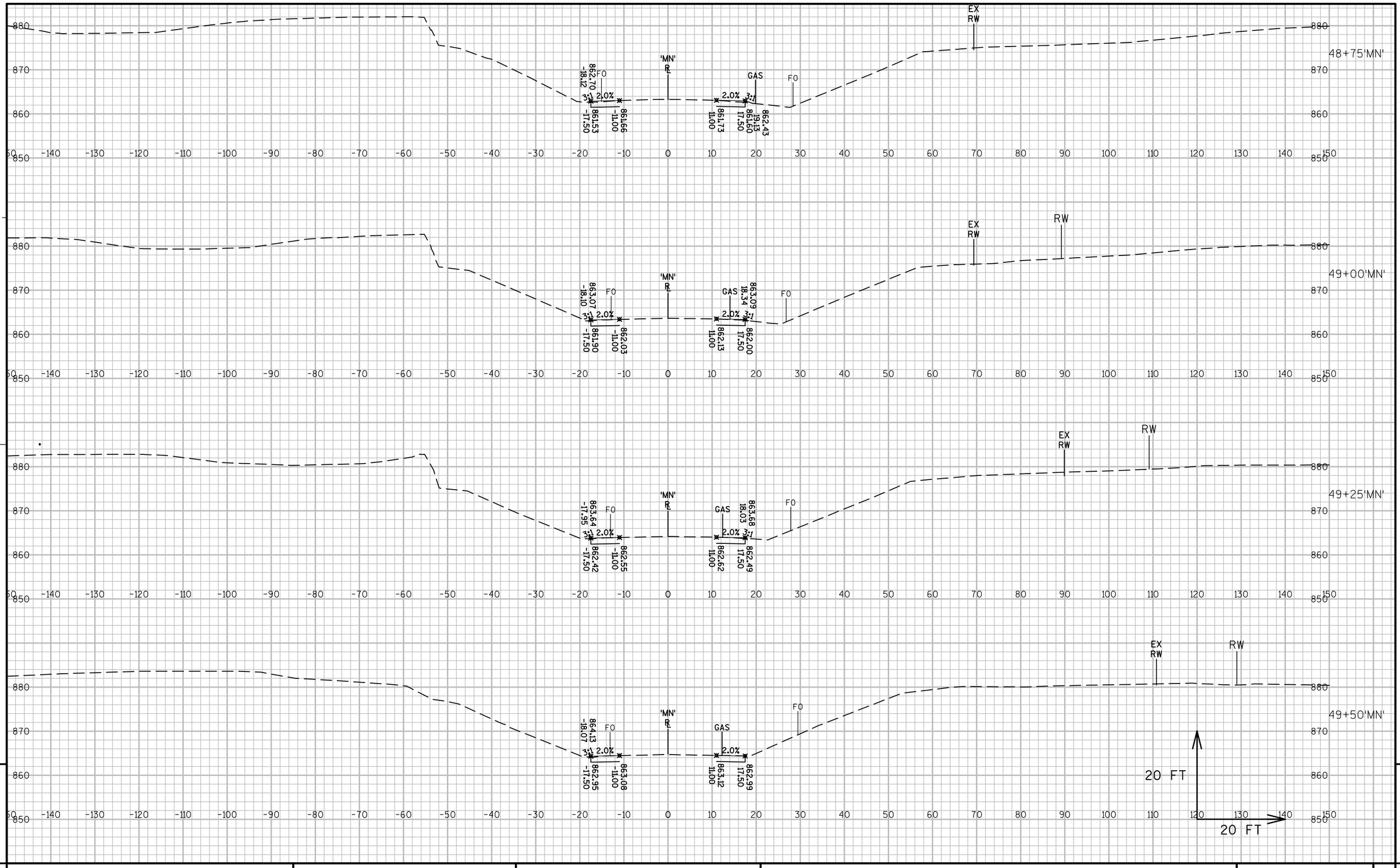
9

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH MN	SHEET 409	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH MN.DWG
LAYOUT NAME - 090101_MN
PLOT DATE : 2/1/2017 7:38 AM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

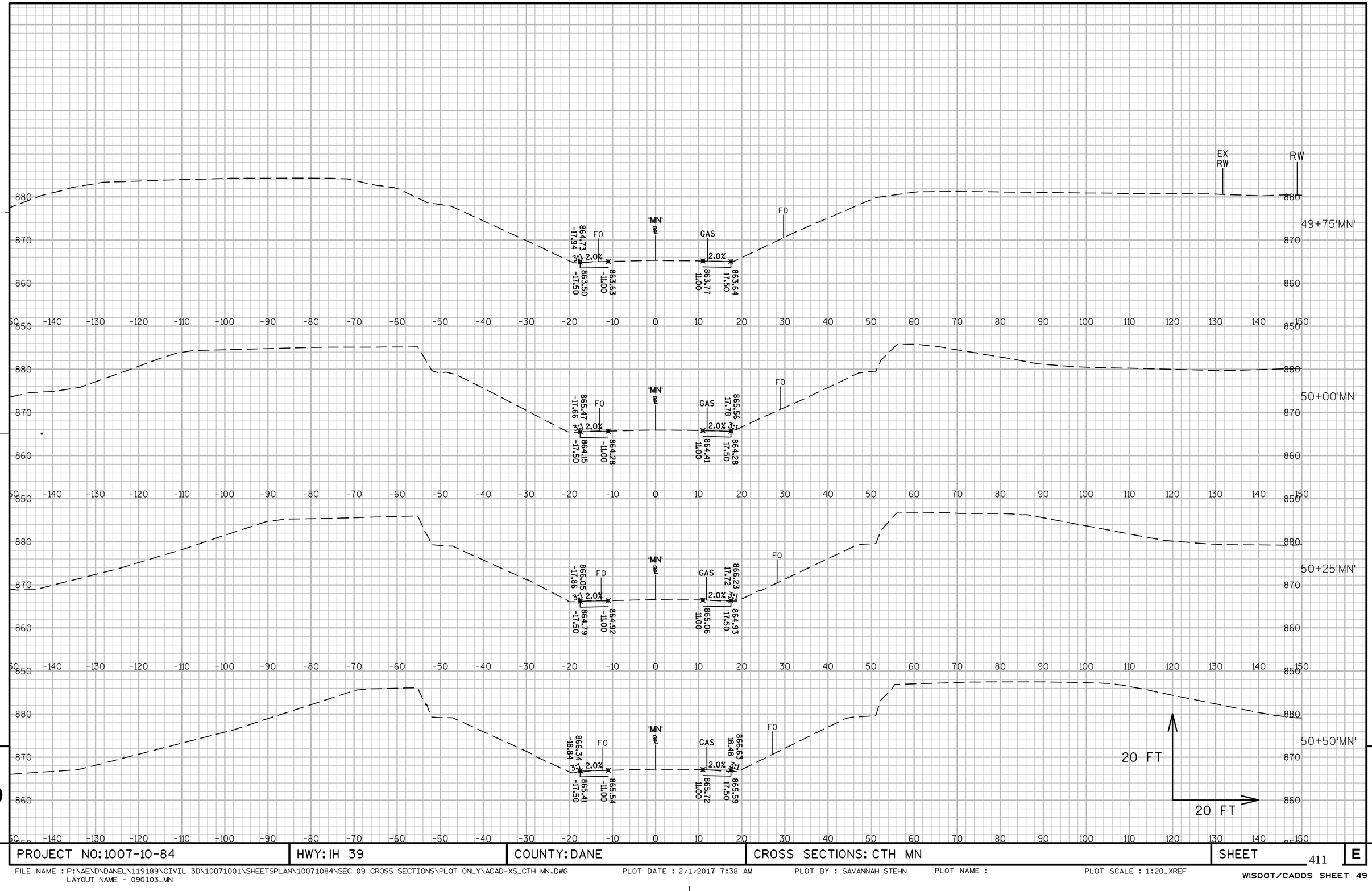


9 9

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH MN	SHEET 410	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH MN.DWG
LAYOUT NAME - 090102_MN

PLOT DATE : 2/1/2017 7:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF



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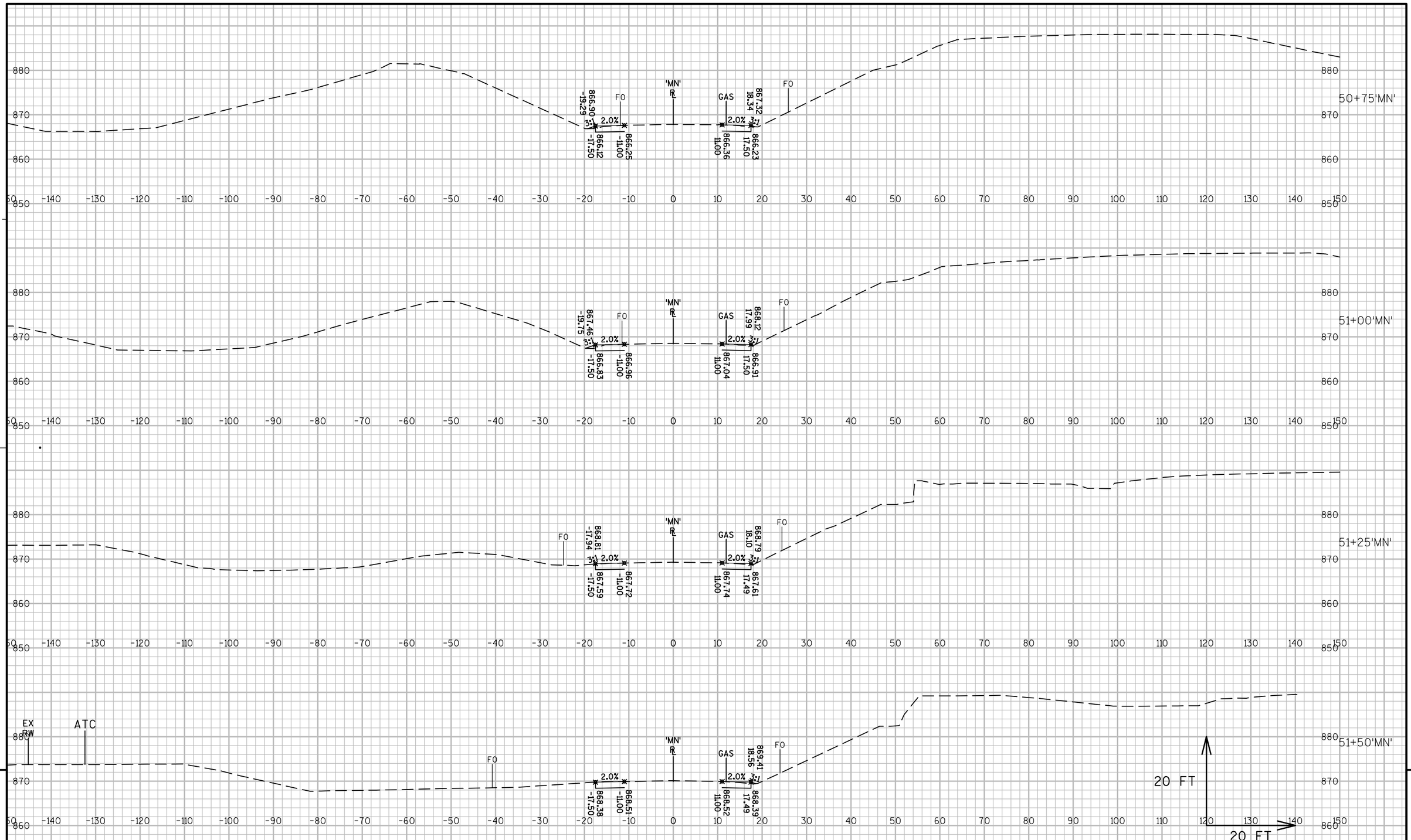
9

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH MN	SHEET 411	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH MN.DWG
LAYOUT NAME - 090103_MN

PLOT DATE : 2/1/2017 7:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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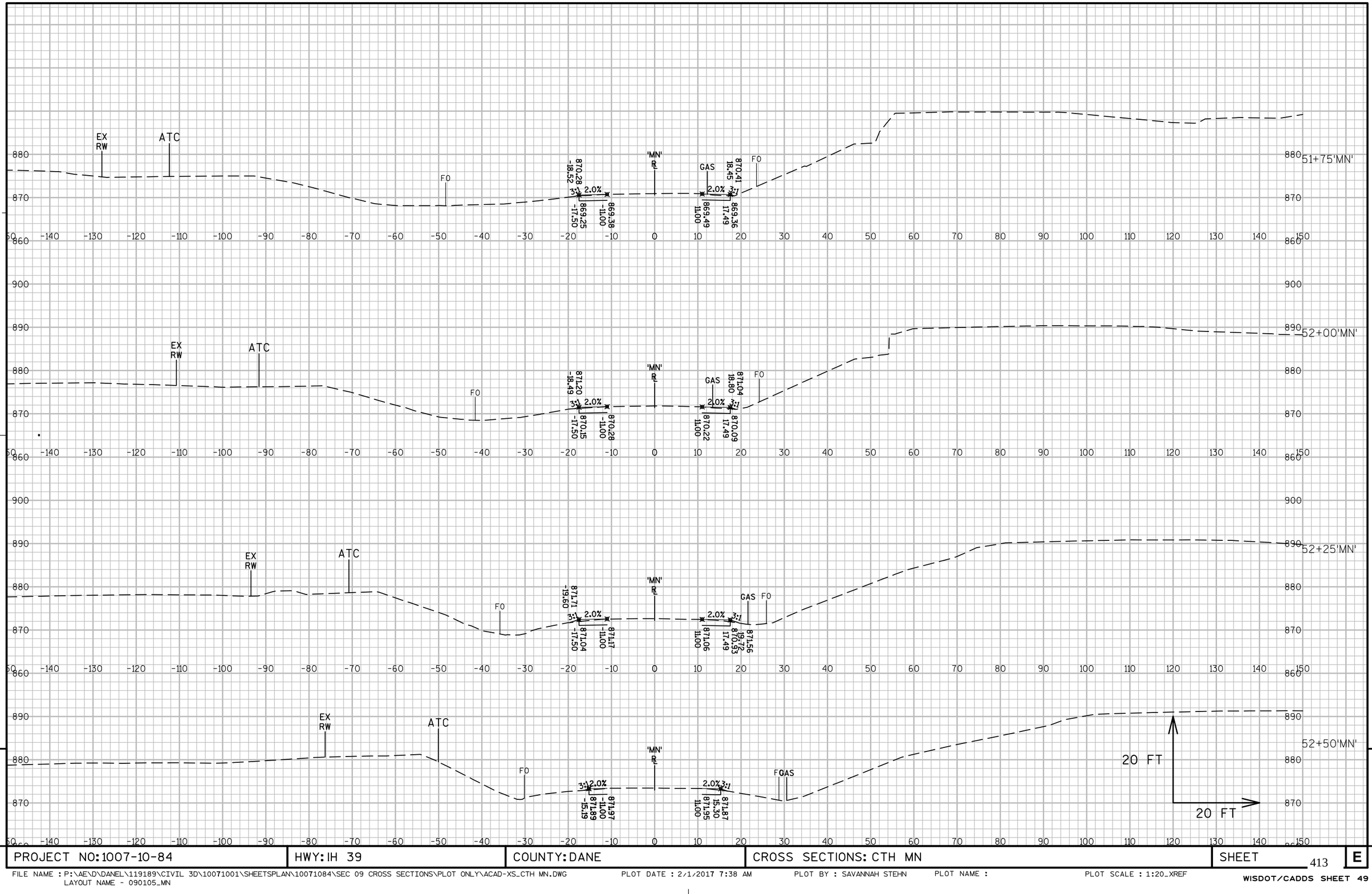
PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH MN	SHEET 412	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH MN.DWG
LAYOUT NAME - 090104_MN

PLOT DATE : 2/1/2017 7:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



9

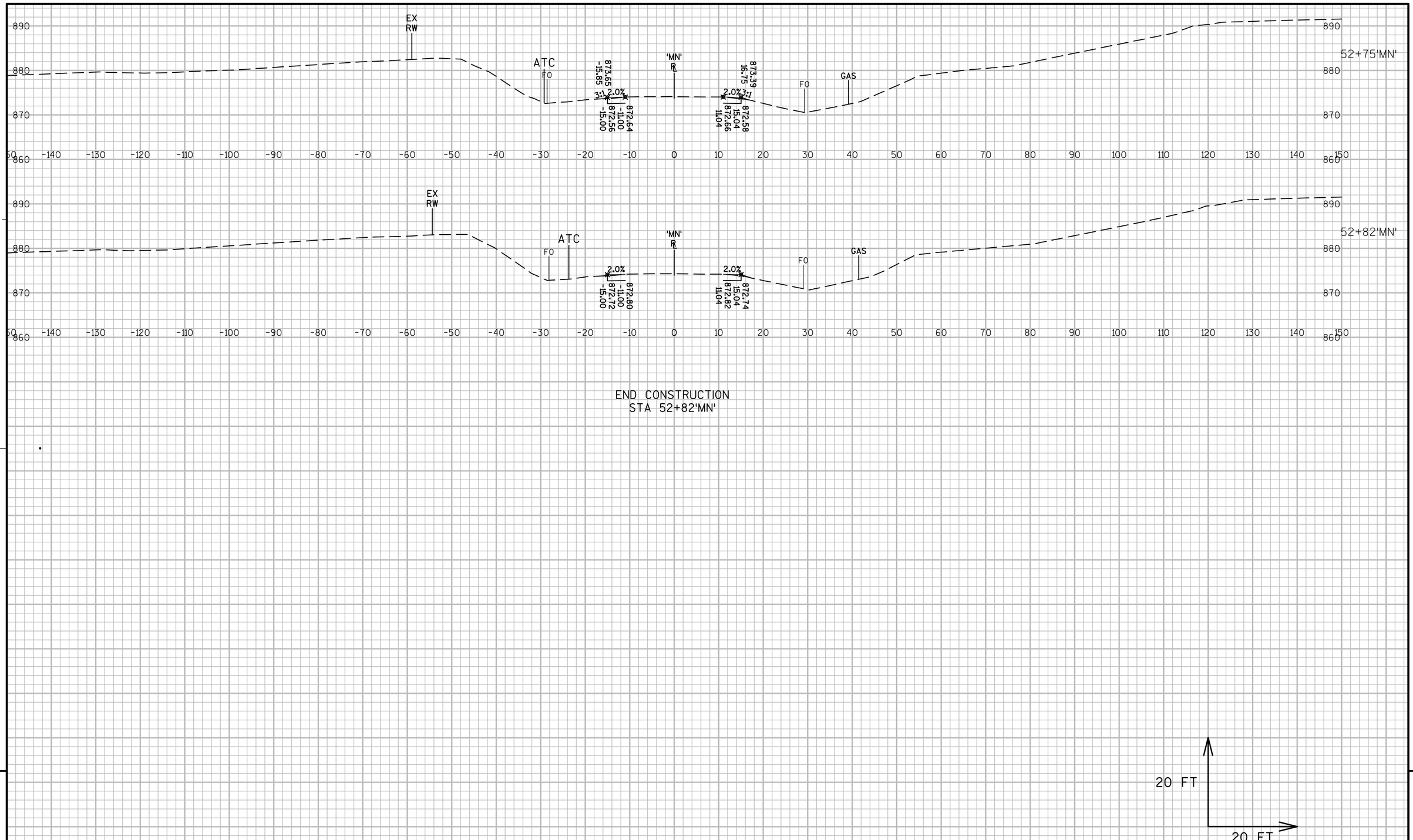
9

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH MN	SHEET 413	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH MN.DWG
LAYOUT NAME - 090105_MN

PLOT DATE : 2/1/2017 7:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1007-10-84	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH MN	SHEET 414	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071084\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH MN.DWG
LAYOUT NAME - 090106_MN
PLOT DATE : 2/1/2017 7:38 AM
PLOT BY : SAVANNAH STEHN
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 MAY 2017

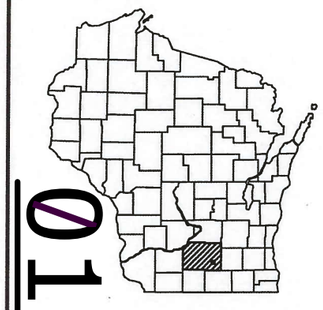
PROJECT ID: 1007-10-88
WITH: 1007-10-84

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 = 534



01

DESIGN DESIGNATION

		PERMANENT PAVEMENT		TEMPORARY PAVEMENT
A.A.D.T.	2020	= 56,650	2020	= 56,650
A.A.D.T.	2040	= 70,300	2022	= 58,030
D.H.V.	2040	= 7,452	2022	= 6,150
D.D.		= 58/42		= 58/42
T.		= 29.1%		= 29.1%
DESIGN SPEED		= 70 MPH		= 70 MPH
ESALS		= 45,858,600		= 4,312,110

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 ROAD TO CHURCH STREET

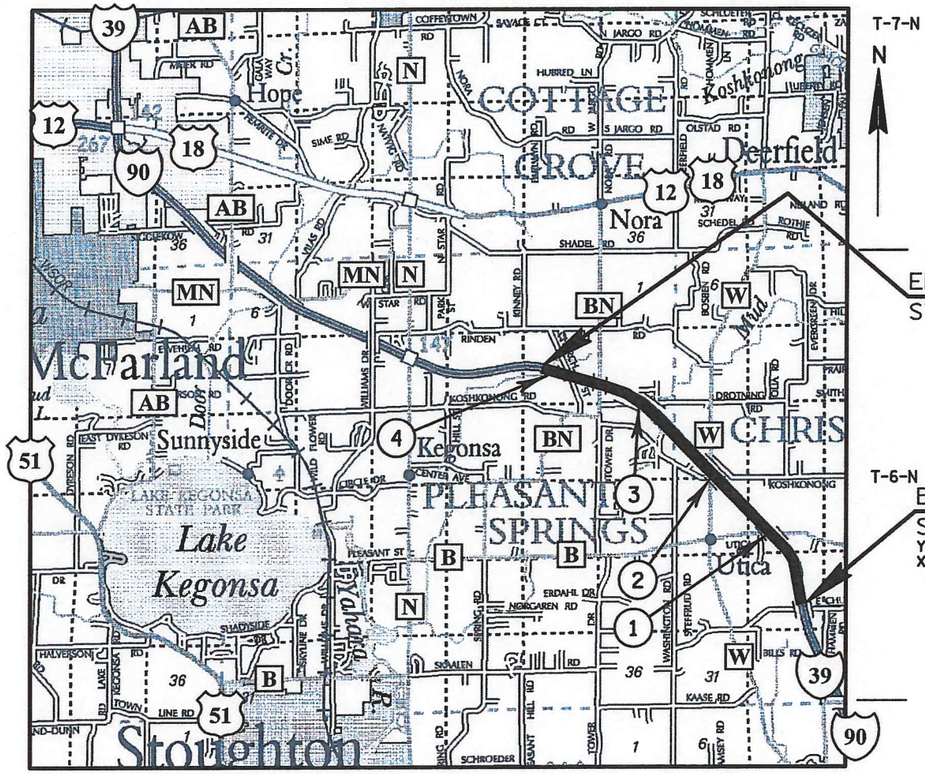
IH 39

DANE COUNTY

STATE PROJECT NUMBER
1007-10-88

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1007-10-88	WISC 2017261	1

1. STRUCTURE B-13-164
2. STRUCTURE B-13-148
3. STRUCTURE B-13-146
4. BOX CULVERT C-13-3084 STG 1



LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 4.759 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

1/27/17 (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: 1/30/17 Katrina Feltes (Signature)

E

ORDER OF SHEETS - SECTION 2

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL
STORM SEWER DETAILS
PERMANENT SIGNING AND PAVEMENT MARKING
TRAFFIC CONTROL AND DETOUR SIGNING
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

CRAIG PRINGLE
111 INTERSTATE BLVD
MADISON, WI 53534
PHONE: (608) 884-7132
EMAIL: CRAIG.PRINGLE@DOT.WI.GOV

WISDOT CONSTRUCTION

JAMIE GRAINGER
111 INTERSTATE BLVD
MADISON, WI 53534
PHONE: (608) 884-1173
EMAIL: JAMIE.GRAINGER@DOT.WI.GOV

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 (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 - ELECTRICITY
4902 N BILTMORE LANE
MADISON, WI 53718
JASON HOGAN
OFFICE: (608) 458-4871
CELL: (608) 395-7395
JASONHOGAN@ALLIANTENERGY.COM

ALLIANT ENERGY - GAS/PETROLEUM
4902 N BILTMORE LANE
MADISON, WI 53718
JASON HOGAN
OFFICE: (608) 458-4871
CELL: (608) 395-7395
JASONHOGAN@ALLIANTENERGY.COM

ATC MANAGEMENT INC. - ELECTRICITY
2489 RINDEN ROAD
COTTAGE GROVE, WI 53527
DOUG VOSBURG
OFFICE: (608) 877-7650
CELL: (608) 438-7650
DVOSBURG@ATCLLC.COM

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

AT&T WISCONSIN - COMMUNICATION LINE
316 WEST WASHINGTON AVENUE
MADISON, WI 53701
CAROL ANASON
OFFICE: (608) 252-2385
CELL: (920) 475-2977
CA2624@ATT.COM

CHARTER COMMUNICATIONS - COMMUNICATION LINE
1348 PLAINFIELD AVENUE
JANESVILLE, WI 53545
DAVID MOLDENHAUER
OFFICE: (608) 373-7538
CELL: (608) 206-0494
DAVID.MOLDENHAUER@CHARTER.COM

FRONTIER COMMUNICATIONS - COMMUNICATION LINE
100 COMMUNICATION DRIVE
SUN PRAIRIE, WI 53590
ED STIEBER
OFFICE: (608) 837-1410
CELL: (262) 325-7048
EDWARD.O.STIEBER@FTR.COM

WINDSTREAM (MCLEOD USA) - COMMUNICATION LINE
13935 BISHOPS DRIVE
BROOKFIELD, WI 53005
NATHAN BECKER
OFFICE: (262) 792-7938
CELL: (414) 313-9032
NATHAN.BECKER@WINDSTREAM.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	HYD	HYDRANT
AC	ACRE	ID	INSIDE DIAMETER
AGG	AGGREGATE	INV	INVERT
AECPRC	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE	IP	IRON PIPE OR PIN
		LHF	LEFT-HAND FORWARD
AECPCS	APRON ENDWALL FOR CULVERT PIPE CORRUGATED STEEL	L	LENGTH OF CURVE
		LF	LINEAR FOOT
ASPH	ASPHALTIC	LC	LONG CHORD OF CURVE
AVG	AVERAGE	LS	LUMP SUM
ADT	AVERAGE DAILY TRAFFIC	MH	MANHOLE
BF	BACK FACE	MOR	MID POINT OF RADIUS
BM	BENCH MARK	MCE	MARKERS CULVERT END
BR	BRIDGE	NC	NORMAL CROWN
CE	COMMERCIAL ENTRANCE	NO	NUMBER
CL OR C/L OR ℄	CENTER LINE	OBLIT	OBLITERATE
Δ	CENTRAL ANGLE OR DELTA	PAVT	PAVEMENT
CONC	CONCRETE	PE	PRIVATE ENTRANCE
CPRC	CULVERT PIPE REINFORCED CONCRETE	PVRC	POINT OF VERTICAL REVERSE CURVE
CPCS	CULVERT PIPE CORRUGATED STEEL	QOR	QUARTER POINT OF RADIUS
CR	CREEK	R	RADIUS
CY	CUBIC YARD	REQ'D	REQUIRED
C & G	CURB AND GUTTER	RES	RESIDENCE OR RESIDENTIAL
D	DEGREE OF CURVE	RHF	RIGHT-HAND FORWARD
DHV	DESIGN HOUR VOLUME	R/W	RIGHT-OF-WAY
DISCH	DISCHARGE	R	RIVER
DG	DITCH GRADE	RDWY	ROADWAY
DWY	DRIVEWAY	R/L OR ℞	REFERENCE LINE
X	EAST GRID COORDINATE	SALV	SALVAGED
EAT	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL	SAN	SANITARY SEWER
		SF	SQUARE FEET
EOR	END POINT OF RADIUS	SY	SQUARE YARD
EL	ELEVATION	SDD	STANDARD DETAIL DRAWINGS
ENT	ENTRANCE	STA	STATION
ESALS	EQUIVALENT SINGLE AXLE LOADS	SS	STORM SEWER
EXC	EXCAVATION	SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
EBS	EXCAVATION BELOW SUBGRADE		
EXIST	EXISTING	SE	SUPERELEVATION RATE
FC	FACE OF CURB	TC	TOP OF CURB
FF	FACE TO FACE	T OR TN	TOWN
FERT	FERTILIZE	T	TRUCKS (PERCENT OF)
FE	FIELD ENTRANCE	TYP	TYPICAL
FL	FLOW LINE	VAR	VARIABLE
FO	FIBER OPTIC	VC	VERTICAL CURVE
CWT	HUNDREDWEIGHT	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. THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
11. ASPHALTIC AND CONCRETE SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
12. DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND MULCHED.
13. FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.
14. 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 TONS/CY
15. A CONVERSION FACTOR OF 1.9 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR SELECT CRUSHED MATERIAL.
16. A CONVERSION FACTOR OF 112 LBS/IN/SY IS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.
17. A CONVERSION FACTOR OF 5.0% IS USED TO ESTIMATE QUANTITIES FOR ASPHALTIC MATERIAL.
18. ALL TYPES OF ASPHALTIC PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

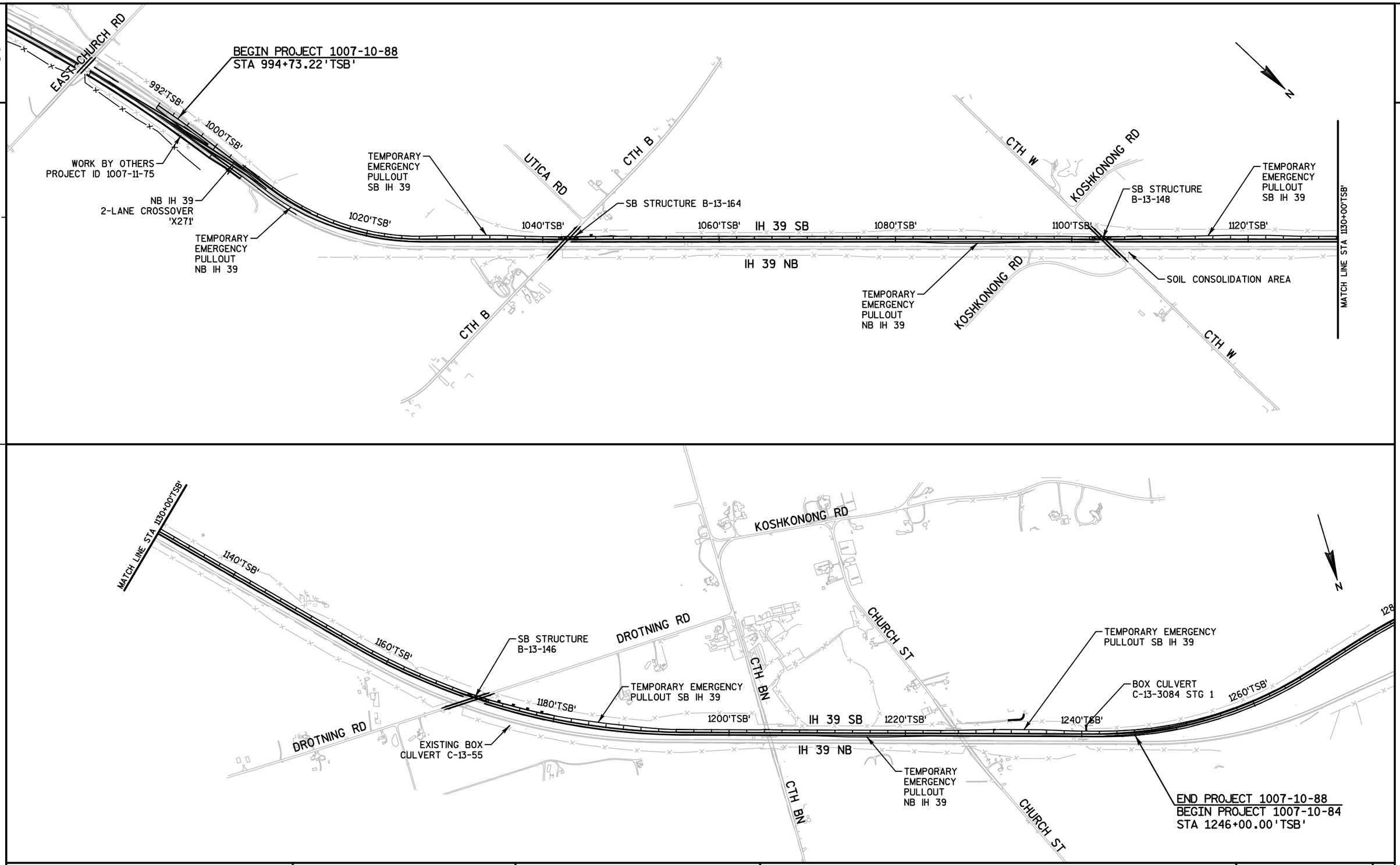
ITEM CODE	TOTAL PAVEMENT DEPTH (INCH)	LAYER DEPTH (INCH)	HMA PAVEMENT ITEM
AP08	4.5	UPPER: 2.00	4 MT 58-28 S
		LOWER: 2.50	3 MT 58-28 S
AP13	3.5	UPPER: 1.75	4 LT 58-28 S
		LOWER: 1.75	4 LT 58-28 S
AP24	6.0	UPPER: 2.25	4 HT 58-28 H
		LOWER: 3.75	2 HT 58-28 S
AP25	6.5	UPPER: 2.50	4 HT 58-28 H
		LOWER: 4.00	2 HT 58-28 S

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 020101_GN (GEN NOTES).DWG | PLOT DATE : 1/31/2017 9:49 PM | PLOT BY : SEH INC | LAYOUT NAME : 020101_GN | PLOT SCALE : NTS

WISDOT/CADDS SHEET 42

2

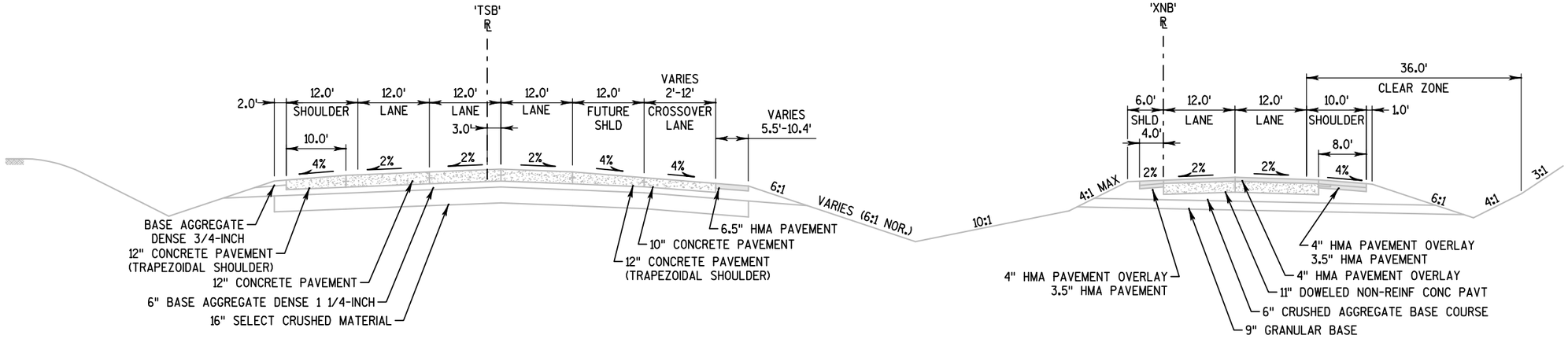


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PROJECT OVERVIEW	SHEET	E

FILE NAME : 020201_PO (PROJ OVERVIEW).DWG | PLOT DATE : 1/31/2017 9:50 PM | PLOT BY : SEH INC | LAYOUT NAME : 020201_PO | PLOT SCALE : 1.0 IN = 1000.0 FT | WISDOT/CADDS SHEET 42

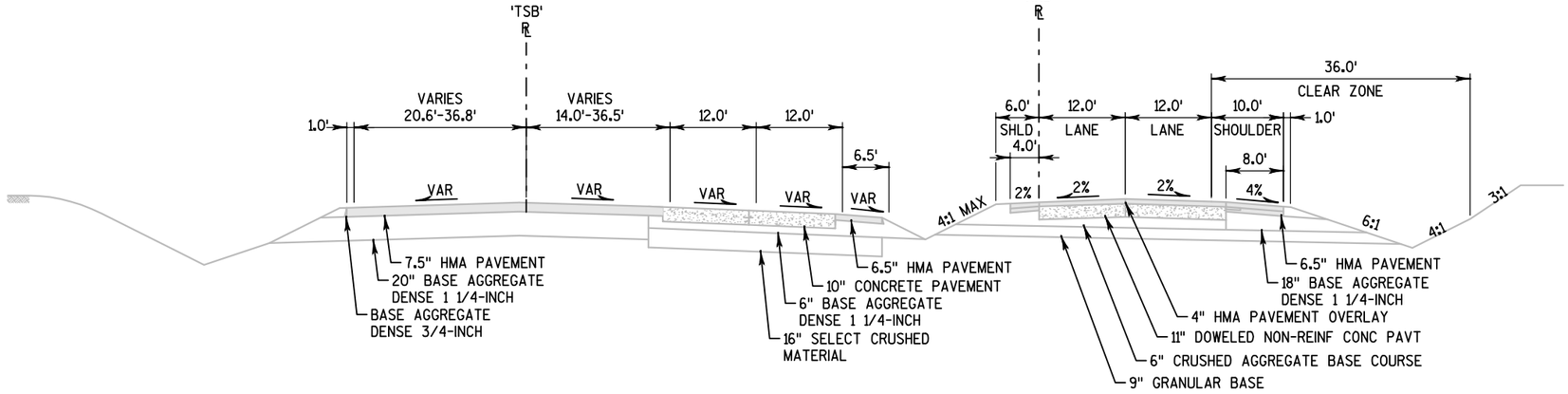
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

2



TYPICAL EXISTING SECTION

STA 992+45'TSB' TO 999+95'TSB'



TYPICAL EXISTING SECTION

STA 999+95'TSB' TO 1004+16'TSB'

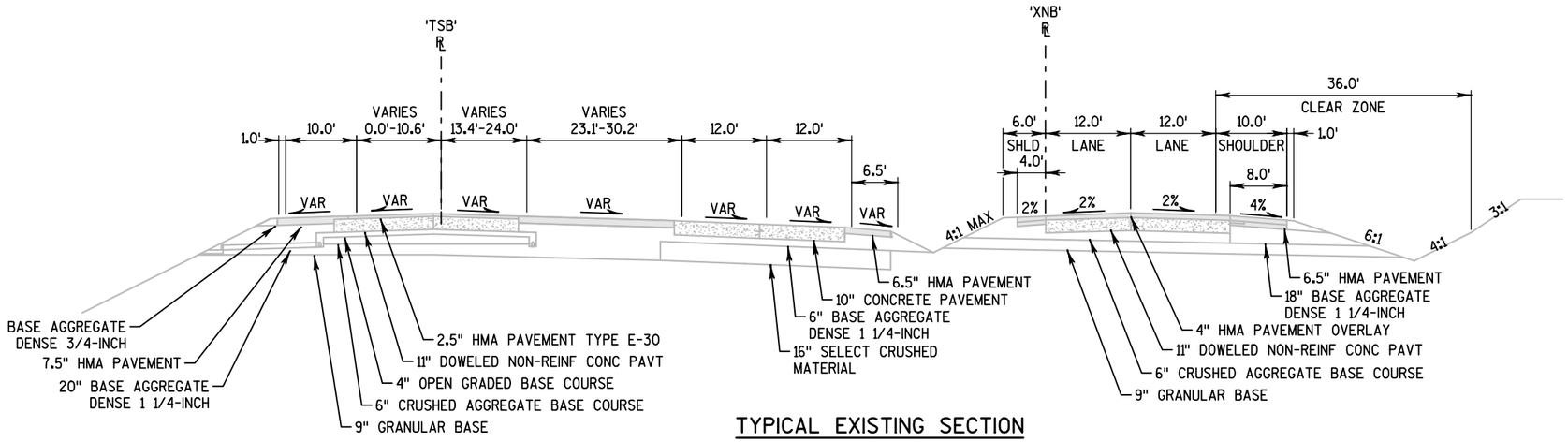
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET 4	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 020300_TS (EX TYP SEC MAINLINE).DWG PLOT DATE : 1/31/2017 9:50 PM PLOT BY : SEH INC LAYOUT NAME : 01 PLOT SCALE : 1 IN = 20 FT

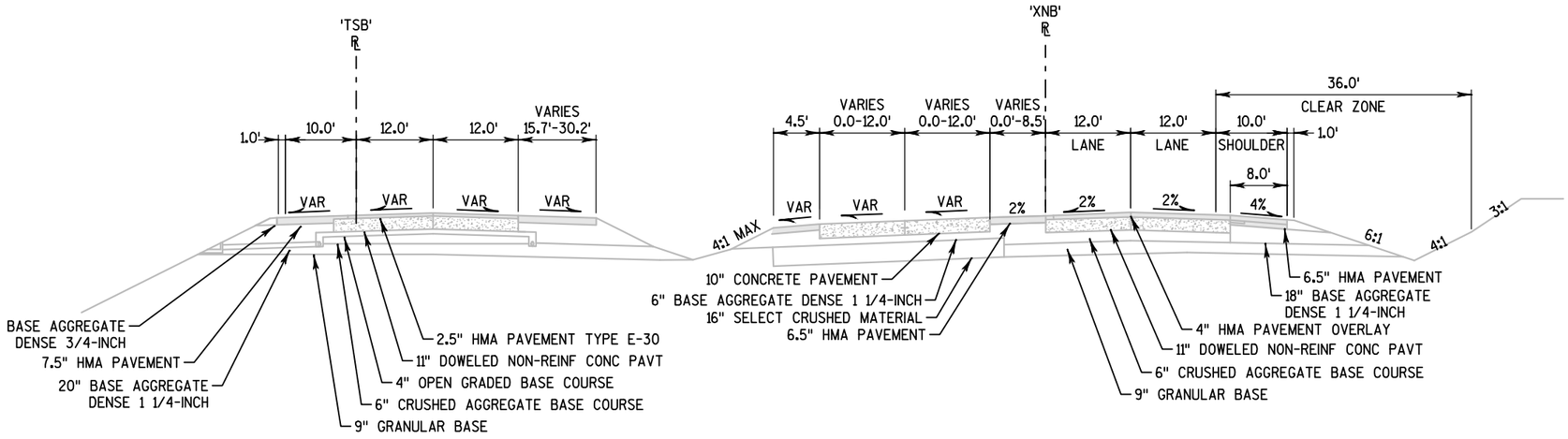
WISDOT/CADDS SHEET 42

2



TYPICAL EXISTING SECTION

STA 1004+16'TSB' TO 1007+54'TSB'

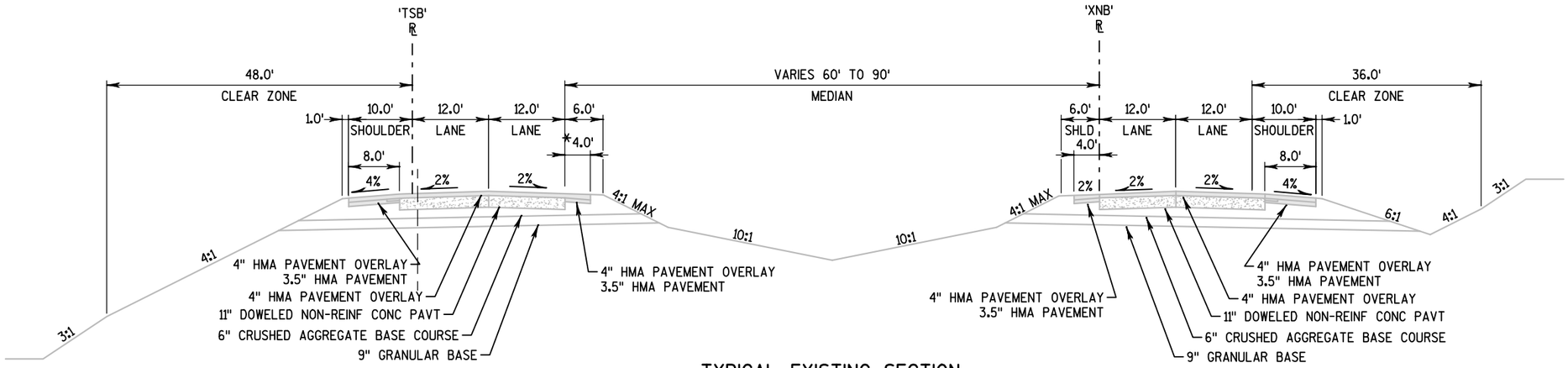


TYPICAL EXISTING SECTION

STA 1007+54'TSB' TO 1012+84'TSB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET 5	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071008\SEC 02 TYPICAL SECTIONS & DETAILS



TYPICAL EXISTING SECTION

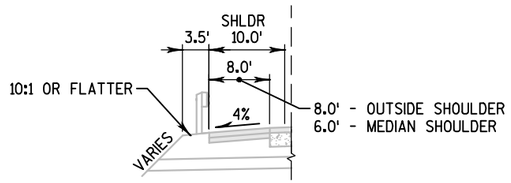
STA 1012+84'TSB' TO 1075+60'TSB'
*STA 1012+84'TSB' TO 1019+20'TSB'
WIDTH VARIES FROM 15.7'-4.0'

BEAM GUARD LOCATIONS

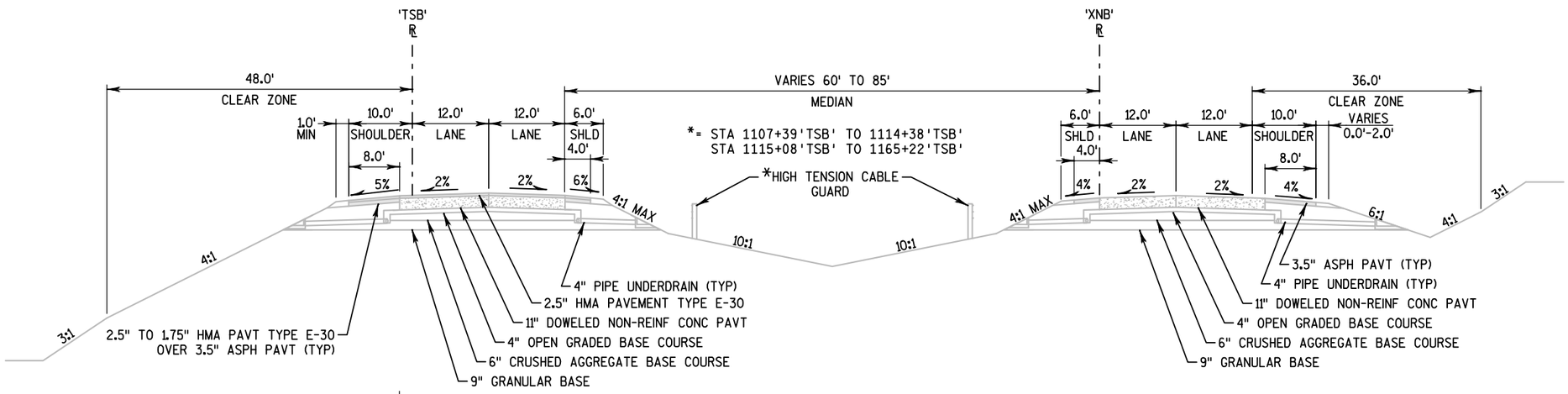
1039+40'TSB' TO 1042+02'TSB', LT
1043+14'TSB' TO 1046+35'TSB', RT
1043+53'TSB' TO 1048+38'TSB', LT
1061+87'TSB' TO 1066+04'TSB', LT

BEAM GUARD LOCATIONS

584+76'XNB' TO 591+04'XNB', LT
585+86'XNB' TO 590+63'XNB', RT
592+14'XNB' TO 598+59'XNB', RT



TYPICAL BEAM GUARD INSTALLATION
(SEE TABLE FOR LOCATIONS)



TYPICAL EXISTING SECTION

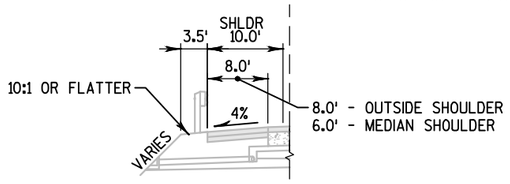
STA 1075+60'TSB' TO 1200+97'TSB'
STA 1235+42'TSB' TO 1246+00'TSB'

BEAM GUARD LOCATIONS

1104+15'TSB' TO 1109+43'TSB', LT
1104+59'TSB' TO 1109+50'TSB', RT
1158+51'TSB' TO 1170+02'TSB', LT
1162+99'TSB' TO 1169+49'TSB', RT
1171+51'TSB' TO 1175+14'TSB', RT
1172+03'TSB' TO 1188+37'TSB', LT

BEAM GUARD LOCATIONS

649+77'XNB' TO 653+37'XNB', LT
650+81'XNB' TO 653+85'XNB', RT
654+90'XNB' TO 658+80'XNB', LT
708+05'XNB' TO 718+03'XNB', RT
713+11'XNB' TO 718+52'XNB', LT
720+00'XNB' TO 738+74'XNB', RT

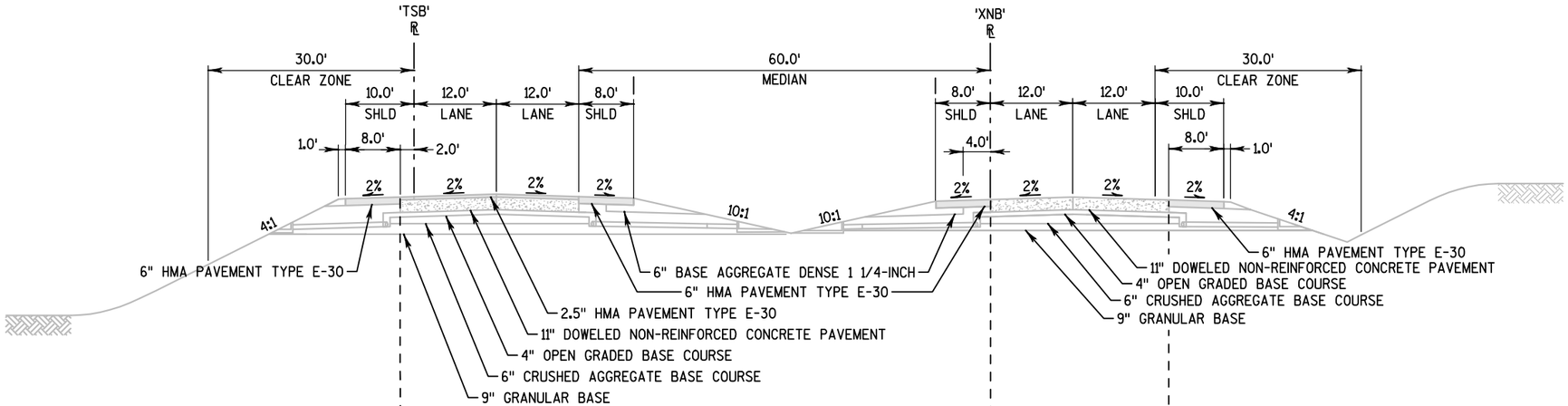


TYPICAL BEAM GUARD INSTALLATION
(SEE TABLE FOR LOCATIONS)

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET 6	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108B\SEC 02 TYPICAL SECTIONS & DETAILS

2



STA 1207+80'TSB' TO STA 1209+77'TSB', LT
STA 1229+28'TSB' TO STA 1231+10'TSB', LT

STA 780+50'XNB' TO STA 785+79'XNB', LT

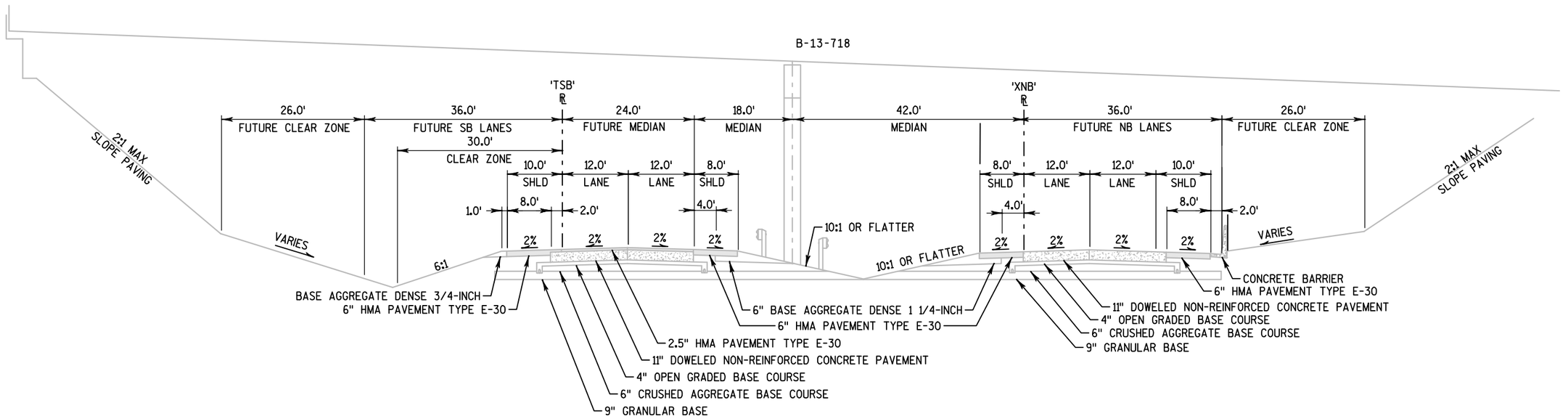
STA 751+26'XNB' TO STA 752+19'XNB', RT
STA 773+51'XNB' TO STA 774+44'XNB', RT

TYPICAL EXISTING SECTION - IH 39

STA 1200+97'TSB' TO STA 1235+42'TSB'

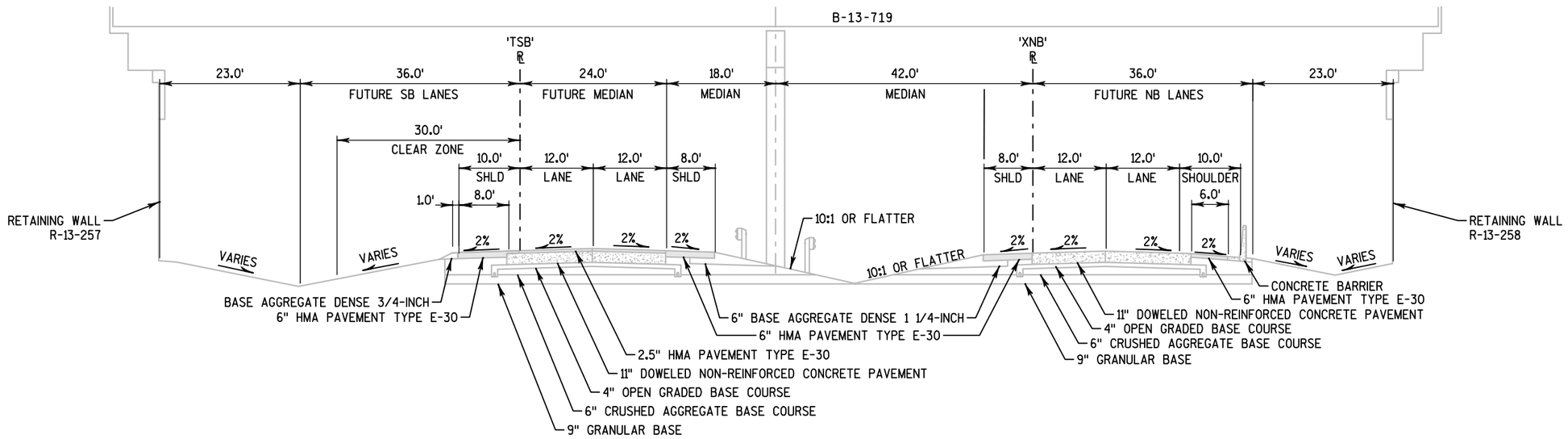
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET 7	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS



TYPICAL EXISTING SECTION - IH 39

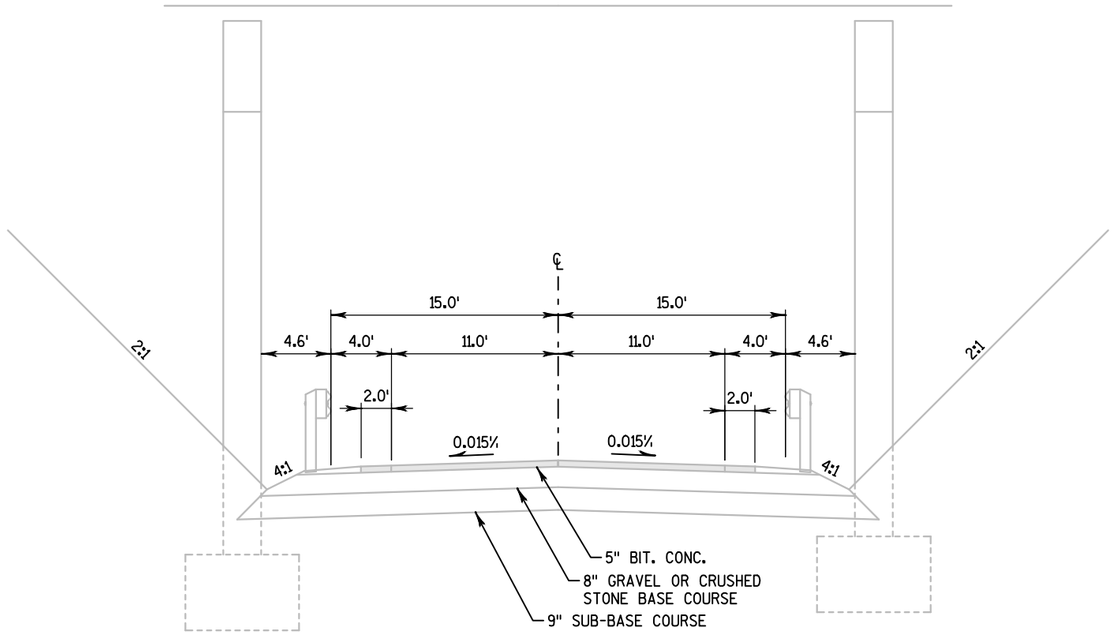
CTH BN UNDERPASS



TYPICAL EXISTING SECTION - IH 39

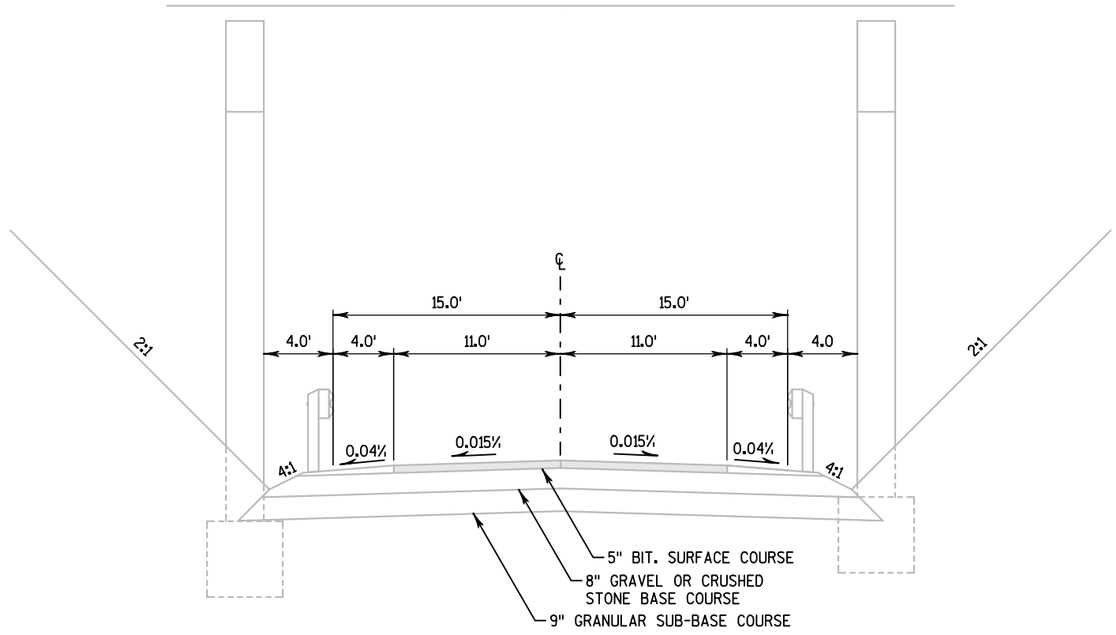
CHURCH STREET UNDERPASS

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET 8	E



TYPICAL EXISTING SECTION

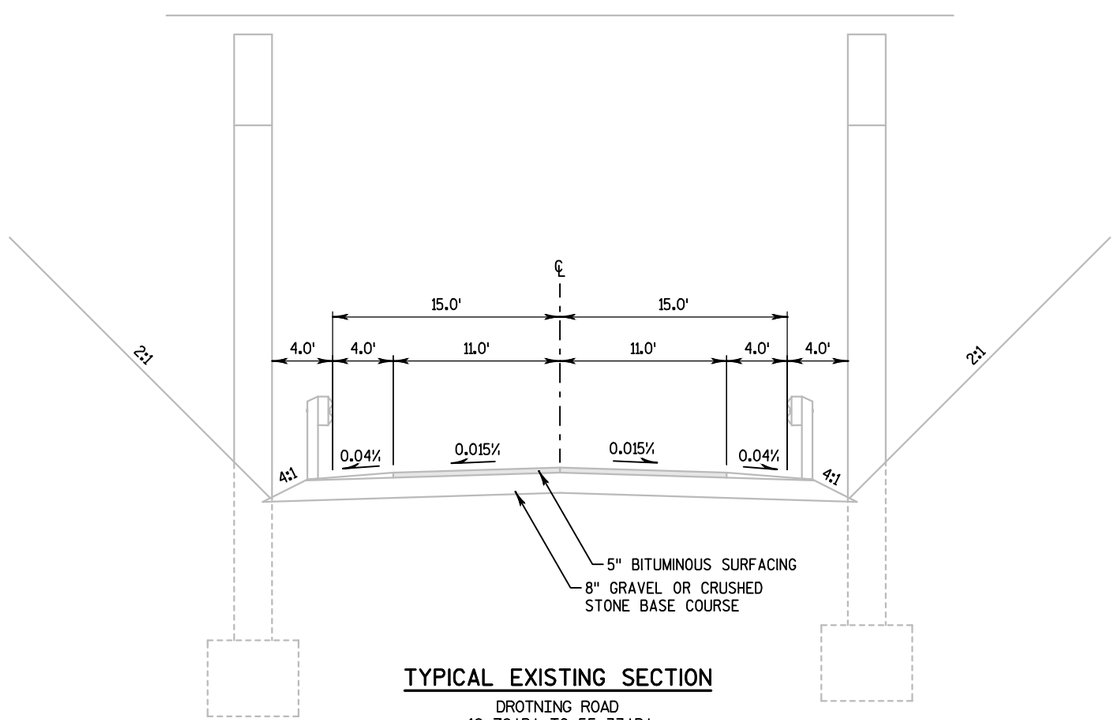
CTH B
48+09'B' TO 53+14'B'



TYPICAL EXISTING SECTION

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

2



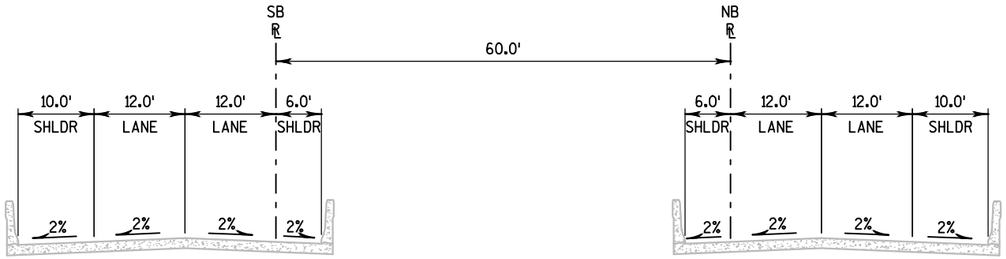
TYPICAL EXISTING SECTION

DROTNING ROAD
48+78'D' TO 55+33'D'

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

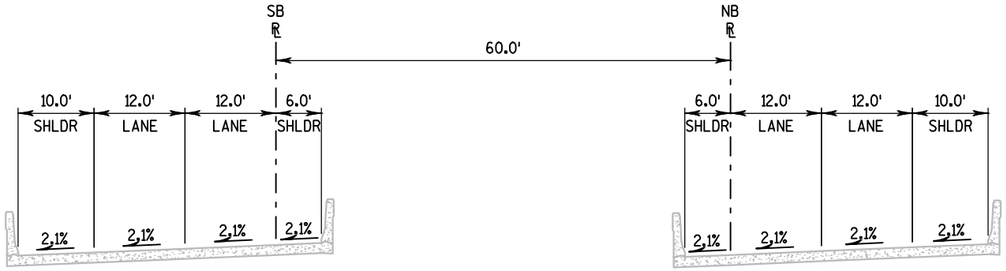
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET 10	E

FILE NAME : 020300_TS (EX TYP SEC MAINLINE).DWG PLOT DATE : 1/31/2017 9:50 PM PLOT BY : SEH INC LAYOUT NAME : 07 PLOT SCALE : 1 IN = 10 FT



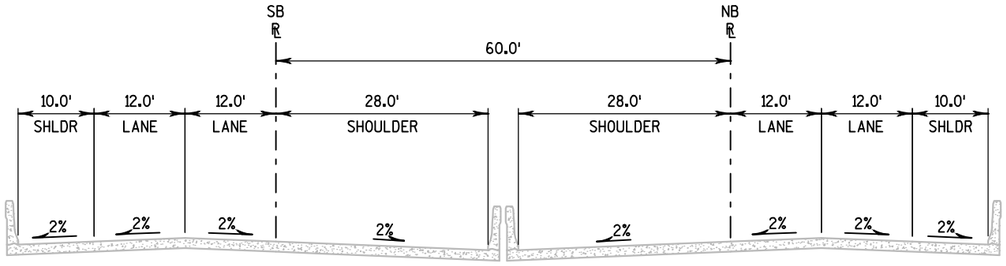
TYPICAL EXISTING SECTION

1989+18.86 TO 1991+11.90
2051+91.61 TO 2053+92.51
2387+12.86 TO 2389+40.21



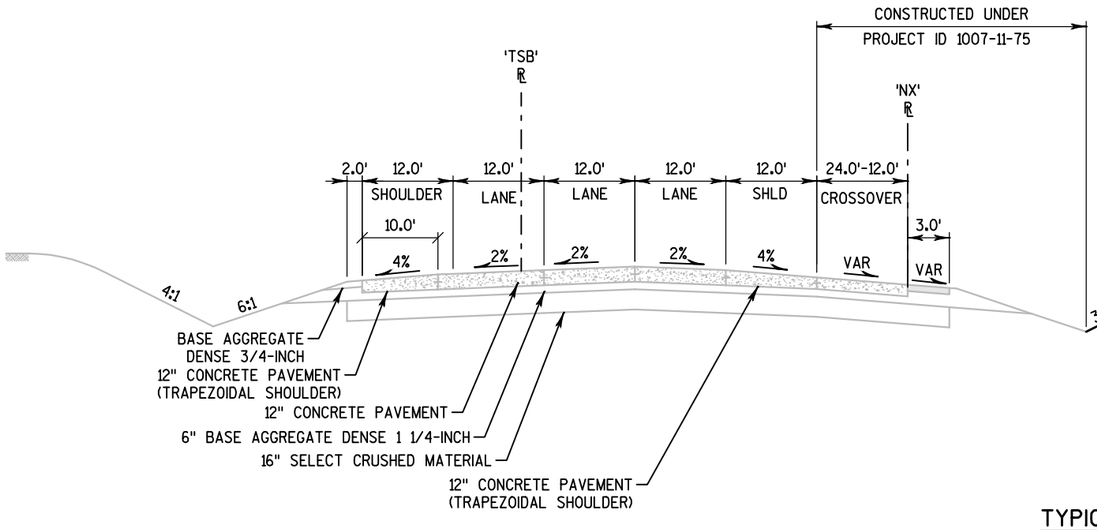
TYPICAL EXISTING SECTION

2116+53.22 TO 2119+08.67



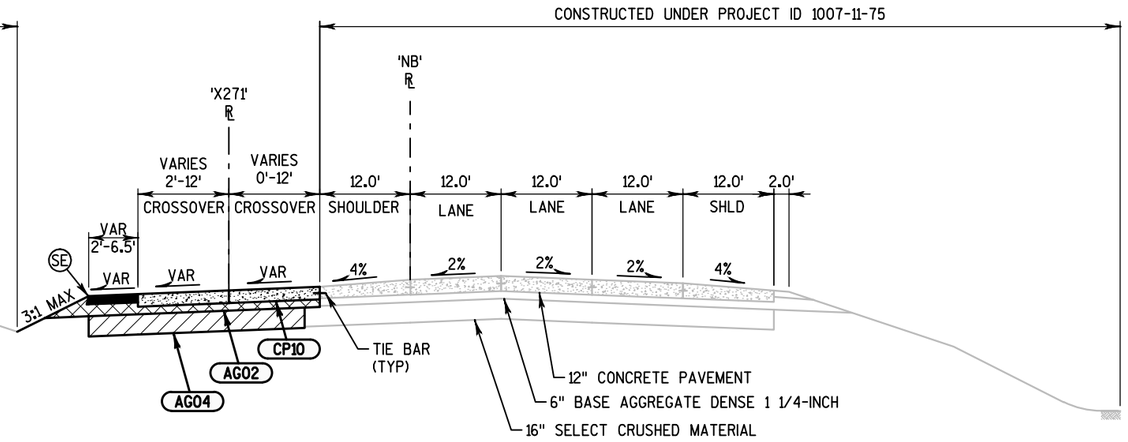
TYPICAL EXISTING SECTION

2399+99.61 TO 2401+45.95



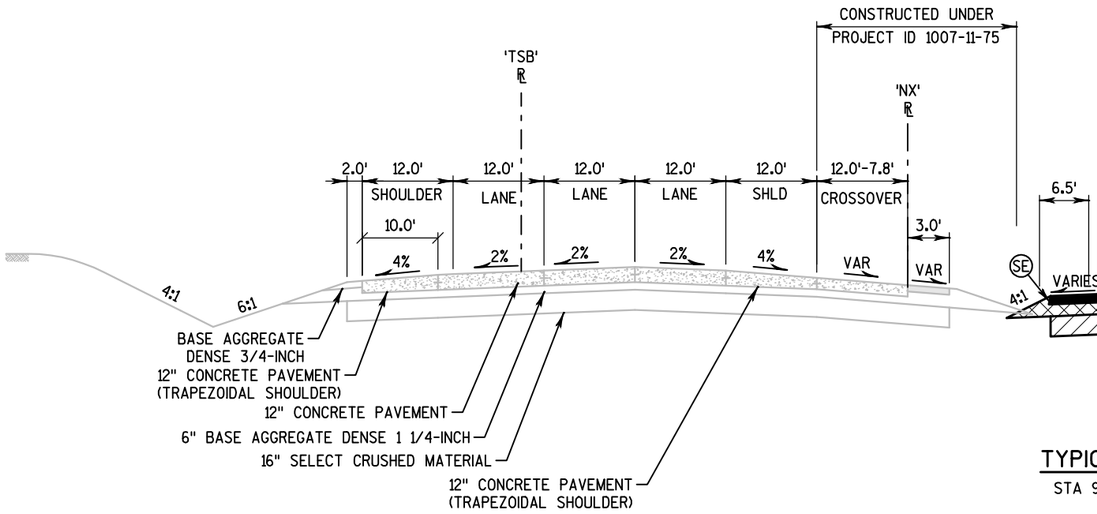
TYPICAL FINISHED SECTION

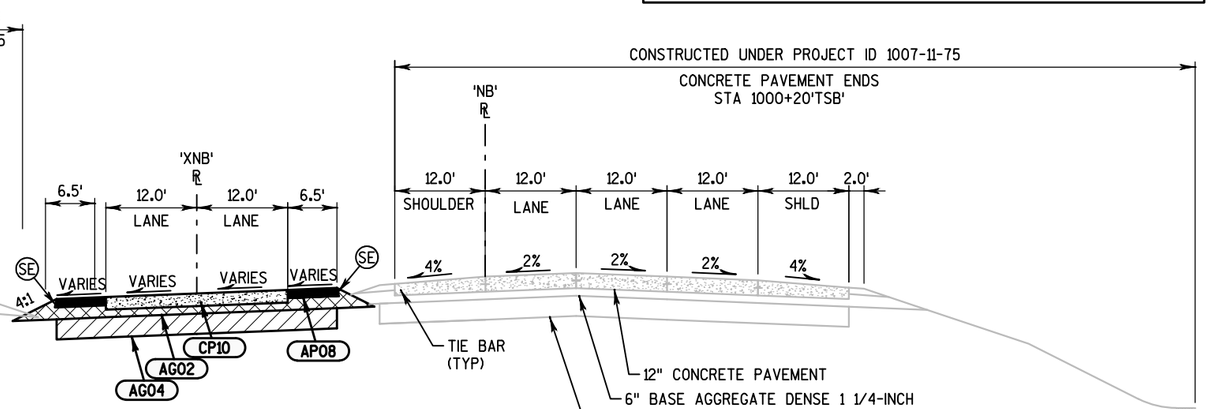
STA 994+73'TSB' TO 998+59'TSB'



KEYED NOTE LEGEND

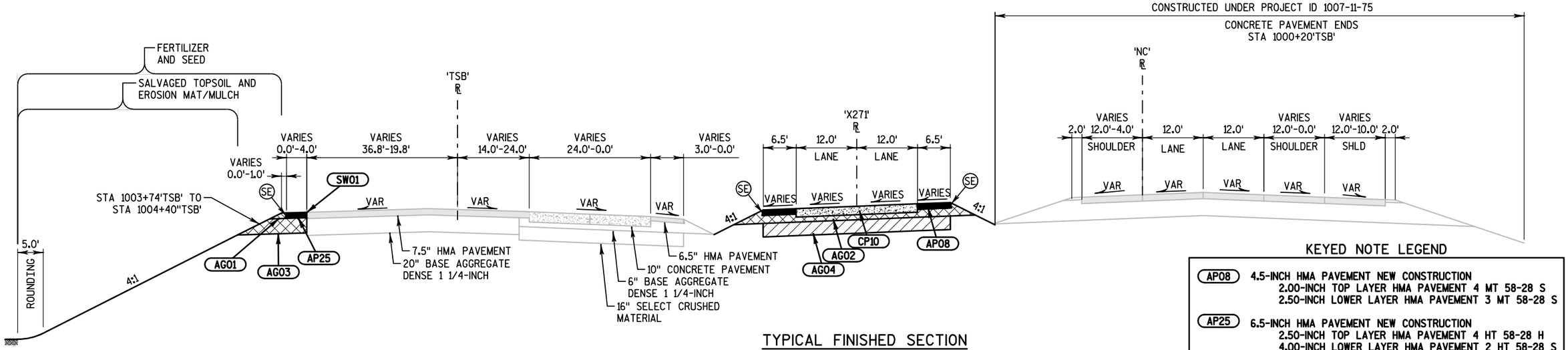
AP08	4.5-INCH HMA PAVEMENT NEW CONSTRUCTION 2.00-INCH TOP LAYER HMA PAVEMENT 4 MT 58-28 S 2.50-INCH LOWER LAYER HMA PAVEMENT 3 MT 58-28 S
CP10	CONCRETE PAVEMENT 10-INCH, DOWELED AND TINED
AG01	BASE AGGREGATE DENSE 3/4-INCH (6.5-INCH)
AG02	BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
AG04	SELECT CRUSHED MATERIAL, 16-INCH
SW01	SAWING ASPHALT
SE	SAFETY EDGE (INCIDENTAL)





TYPICAL FINISHED SECTION

STA 998+59'TSB' TO 999+95'TSB'

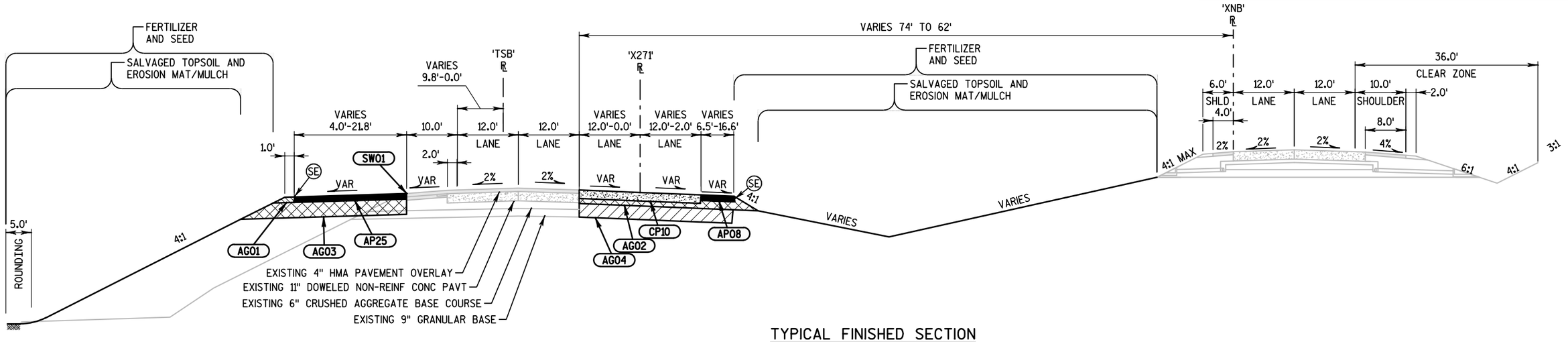


TYPICAL FINISHED SECTION

STA 999+95'TSB' TO 1004+40'TSB'
STA 1948+00'NC' TO 1952+20'NC'

KEYED NOTE LEGEND

AP08	4.5-INCH HMA PAVEMENT NEW CONSTRUCTION 2.00-INCH TOP LAYER HMA PAVEMENT 4 MT 58-28 S 2.50-INCH LOWER LAYER HMA PAVEMENT 3 MT 58-28 S
AP25	6.5-INCH HMA PAVEMENT NEW CONSTRUCTION 2.50-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H 4.00-INCH LOWER LAYER HMA PAVEMENT 2 HT 58-28 S
CP10	CONCRETE PAVEMENT 10-INCH, DOWELED AND TINED
AG01	BASE AGGREGATE DENSE 3/4-INCH (6.5-INCH)
AG02	BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
AG03	BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
AG04	SELECT CRUSHED MATERIAL, 16-INCH
SW01	SAWING ASPHALT
SE	SAFETY EDGE (INCIDENTAL)



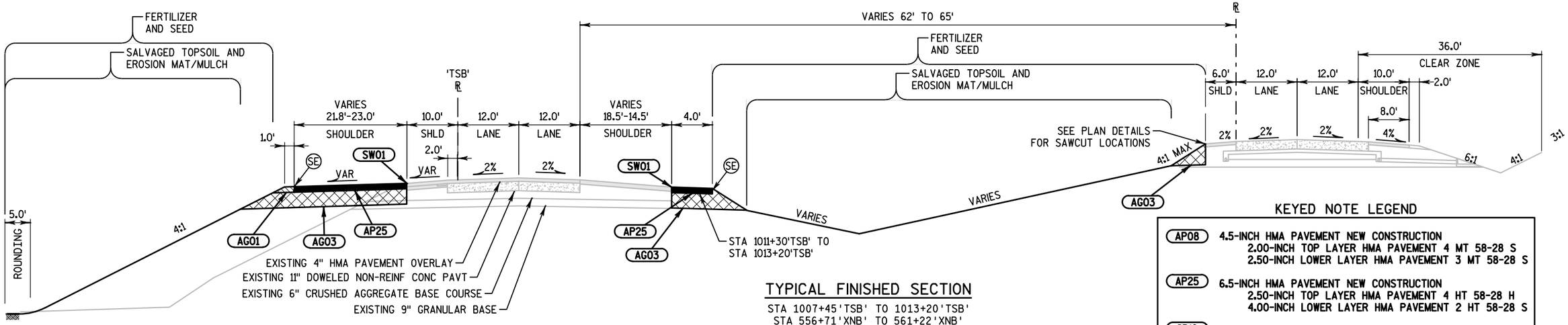
TYPICAL FINISHED SECTION

STA 1004+40'TSB' TO 1007+45'TSB'
STA 553+67'XNB' TO 556+71'XNB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET 13	E

FILE NAME : 020300_TS (FIN TYP SEC MAINLINE).DWG | PLOT DATE : 3/3/2017 9:37 AM | PLOT BY : SEH INC | LAYOUT NAME : 02 | PLOT SCALE : 1 IN = 20 FT

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

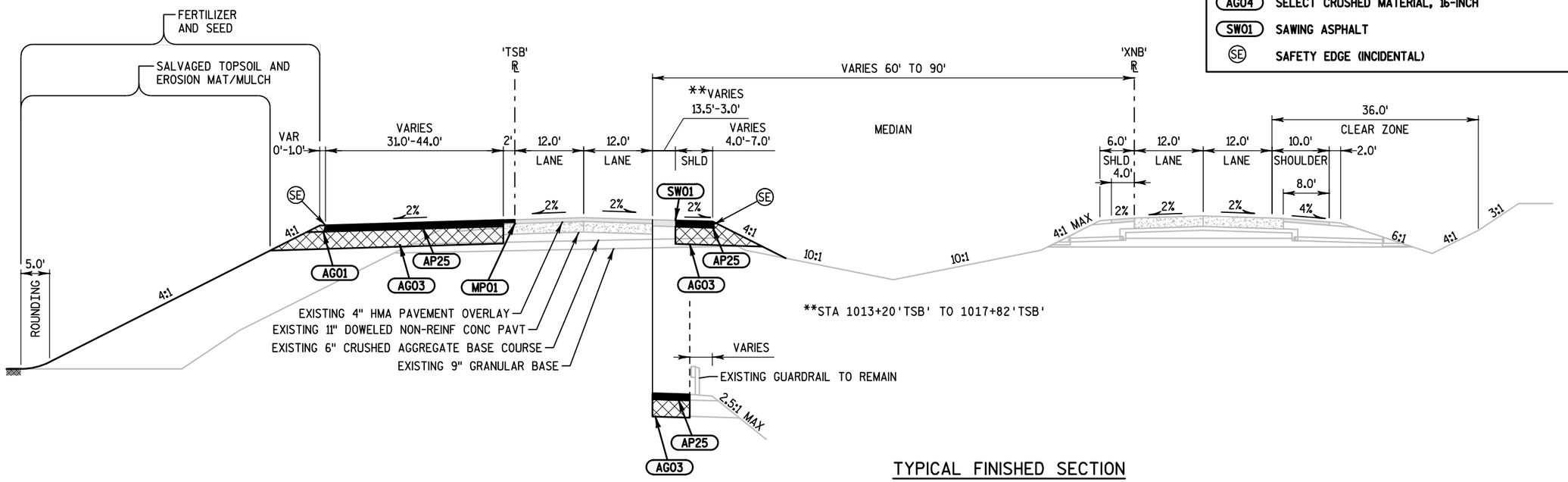


TYPICAL FINISHED SECTION

STA 1007+45'TSB' TO 1013+20'TSB'
STA 556+71'XNB' TO 561+22'XNB'

KEYED NOTE LEGEND

AP08	4.5-INCH HMA PAVEMENT NEW CONSTRUCTION 2.00-INCH TOP LAYER HMA PAVEMENT 4 MT 58-28 S 2.50-INCH LOWER LAYER HMA PAVEMENT 3 MT 58-28 S
AP25	6.5-INCH HMA PAVEMENT NEW CONSTRUCTION 2.50-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H 4.00-INCH LOWER LAYER HMA PAVEMENT 2 HT 58-28 S
CP10	CONCRETE PAVEMENT 10-INCH, DOWELED AND TINED
MP01	REMOVING ASPHALTIC SURFACE MILLING, 2.5-INCH + 2.5-INCH 4 HT 58-28 H, 2.5-INCH
AG01	BASE AGGREGATE DENSE 3/4-INCH (6.5-INCH)
AG02	BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
AG03	BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
AG04	SELECT CRUSHED MATERIAL, 16-INCH
SW01	SAWING ASPHALT
SE	SAFETY EDGE (INCIDENTAL)

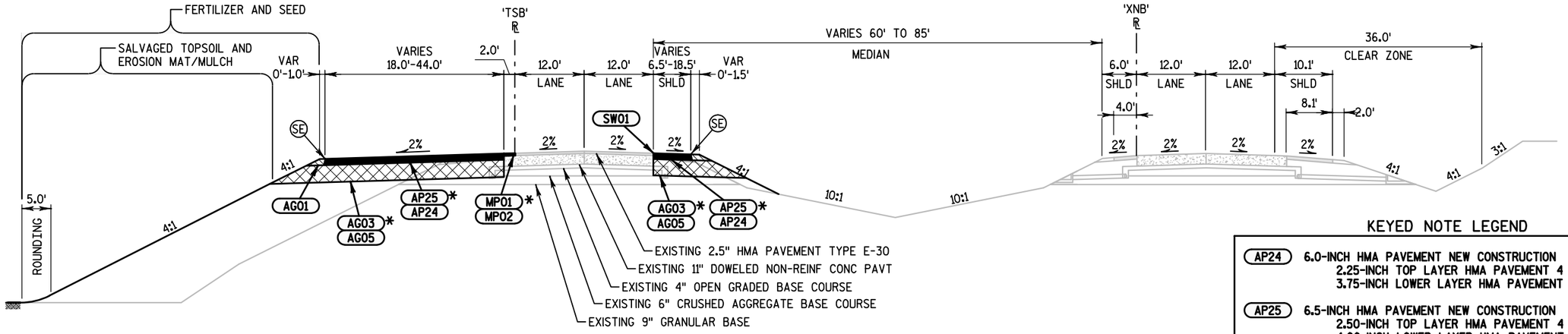


TYPICAL FINISHED SECTION

STA 1013+20'TSB' TO 1036+00'TSB'

BEAM GUARD LOCATIONS

1043+14'TSB' TO 1046+35'TSB', RT

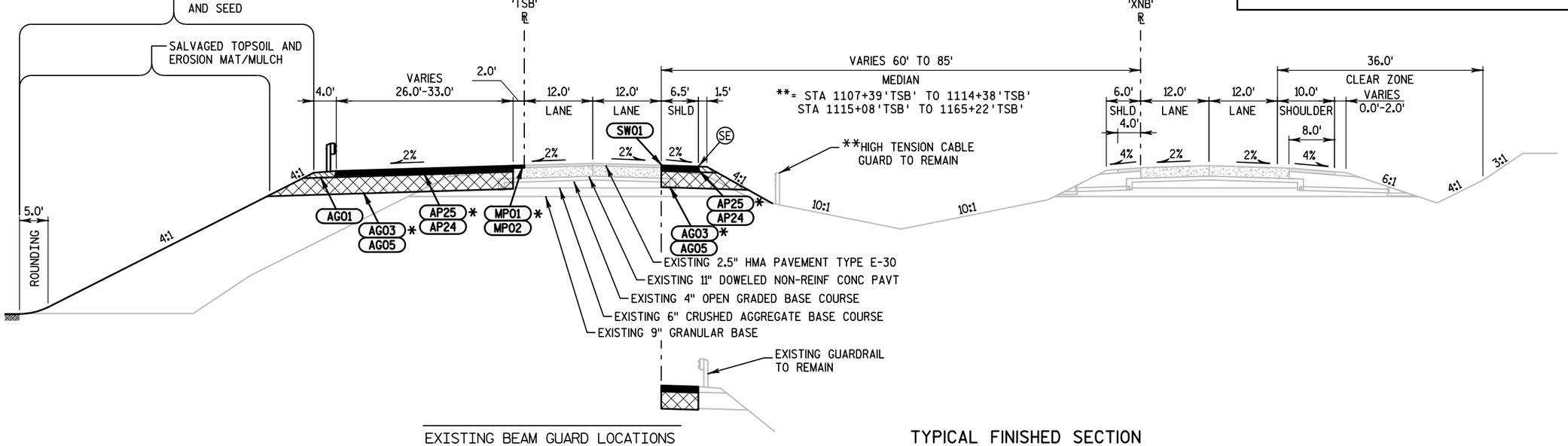


TYPICAL FINISHED SECTION

STA 1036+00'TSB' TO 1075+60'TSB'*
STA 1075+60'TSB' TO 1242+27'TSB'

KEYED NOTE LEGEND

AP24	6.0-INCH HMA PAVEMENT NEW CONSTRUCTION 2.25-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H 3.75-INCH LOWER LAYER HMA PAVEMENT 2 HT 58-28 S
AP25	6.5-INCH HMA PAVEMENT NEW CONSTRUCTION 2.50-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H 4.00-INCH LOWER LAYER HMA PAVEMENT 2 HT 58-28 S
MP01	REMOVING ASPHALTIC SURFACE MILLING, 2.25-INCH + 2.5-INCH 4 HT 58-28 H, 2.5-INCH
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2.5-INCH + 2.25-INCH 4 HT 58-28 H, 2.25-INCH
AG01	BASE AGGREGATE DENSE 3/4-INCH (6.0 OR 6.5-INCH)
AG05	BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
AG03	BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
SW01	SAWING ASPHALT
SE	SAFETY EDGE (INCIDENTAL)



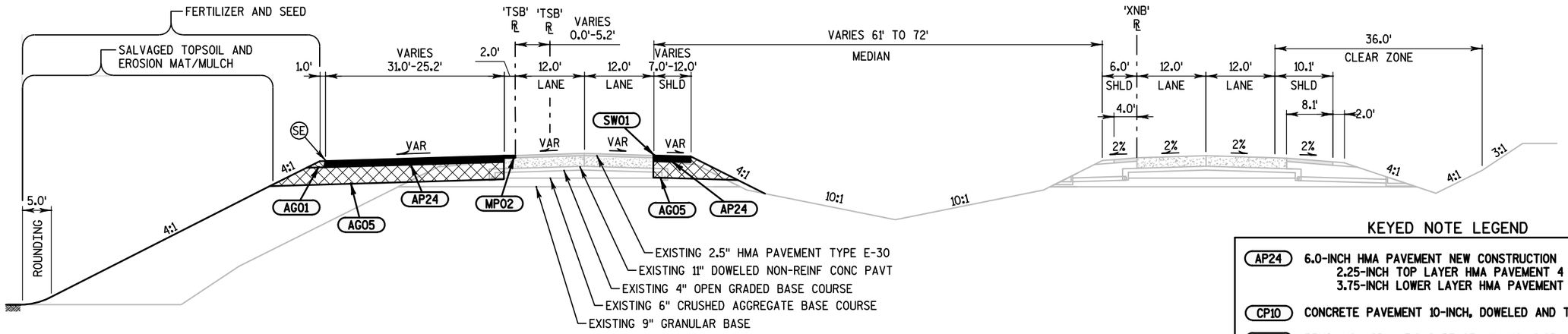
EXISTING BEAM GUARD LOCATIONS

STA 1043+17'TSB' TO 1046+35'TSB', RT *
STA 1104+73'TSB' TO 1109+50'TSB', RT
STA 1162+99'TSB' TO 1169+44'TSB', RT
STA 1171+98'TSB' TO 1175+13'TSB', RT

TYPICAL FINISHED SECTION

STA 1043+86'TSB' TO 1047+69'TSB', LT *
STA 1104+08'TSB' TO 1107+74'TSB', LT
STA 1172+32'TSB' TO 1179+10'TSB', LT

PROJECT NO:1007-10-88	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET 15	E

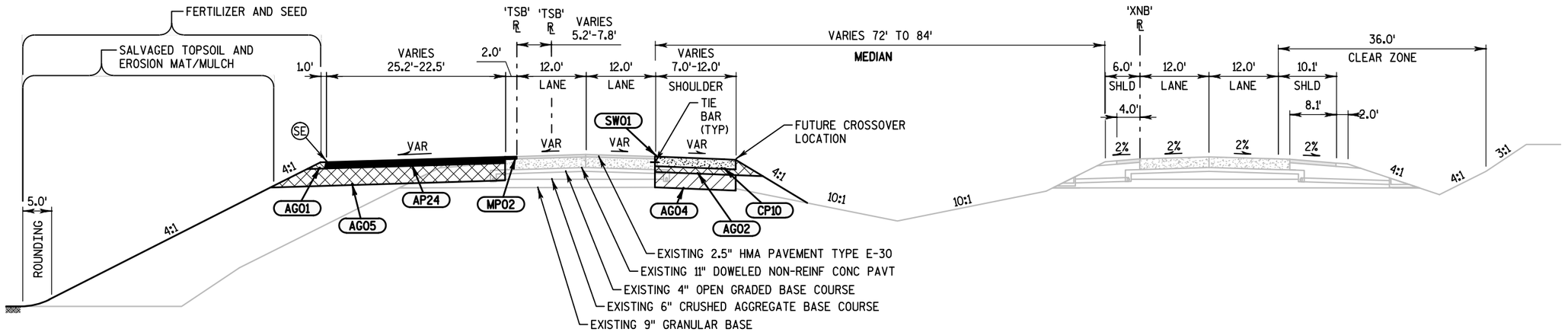


TYPICAL FINISHED SECTION

STA 1242+27'TSB' TO 1244+59'TSB'

KEYED NOTE LEGEND

AP24	6.0-INCH HMA PAVEMENT NEW CONSTRUCTION 2.25-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H 3.75-INCH LOWER LAYER HMA PAVEMENT 2 HT 58-28 S
CP10	CONCRETE PAVEMENT 10-INCH, DOWELED AND TINED
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2.25-INCH + 2.25-INCH 4 HT 58-28 H, 2.25-INCH
AG01	BASE AGGREGATE DENSE 3/4-INCH (6.0 OR 6.5-INCH)
AG02	BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
AG05	BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
AG04	SELECT CRUSHED MATERIAL, 16-INCH
SW01	SAWING ASPHALT
SE	SAFETY EDGE (INCIDENTAL)

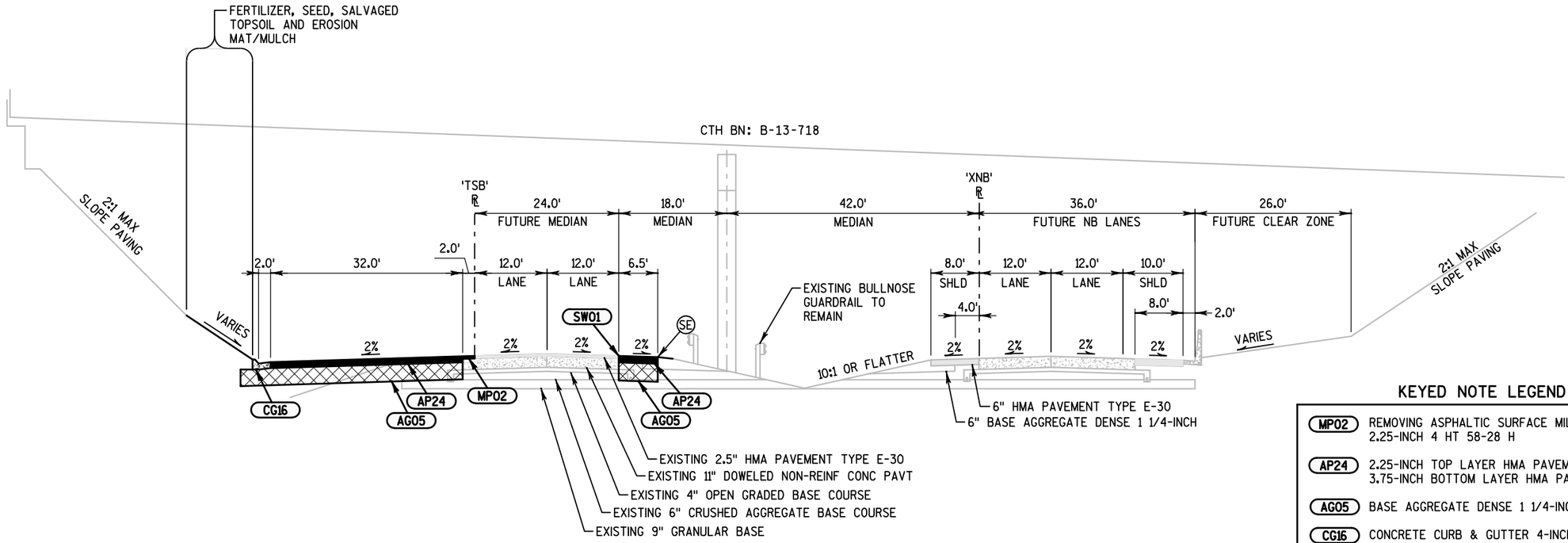


TYPICAL FINISHED SECTION

STA 1244+59'TSB' TO 1246+00'TSB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 020300_TS (FIN TYP SEC MAINLINE).DWG
PLOT DATE : 3/3/2017 9:37 AM
PLOT BY : SEH INC
LAYOUT NAME : 05
PLOT SCALE : 1 IN = 20 FT
WISDOT/CADDS SHEET 42

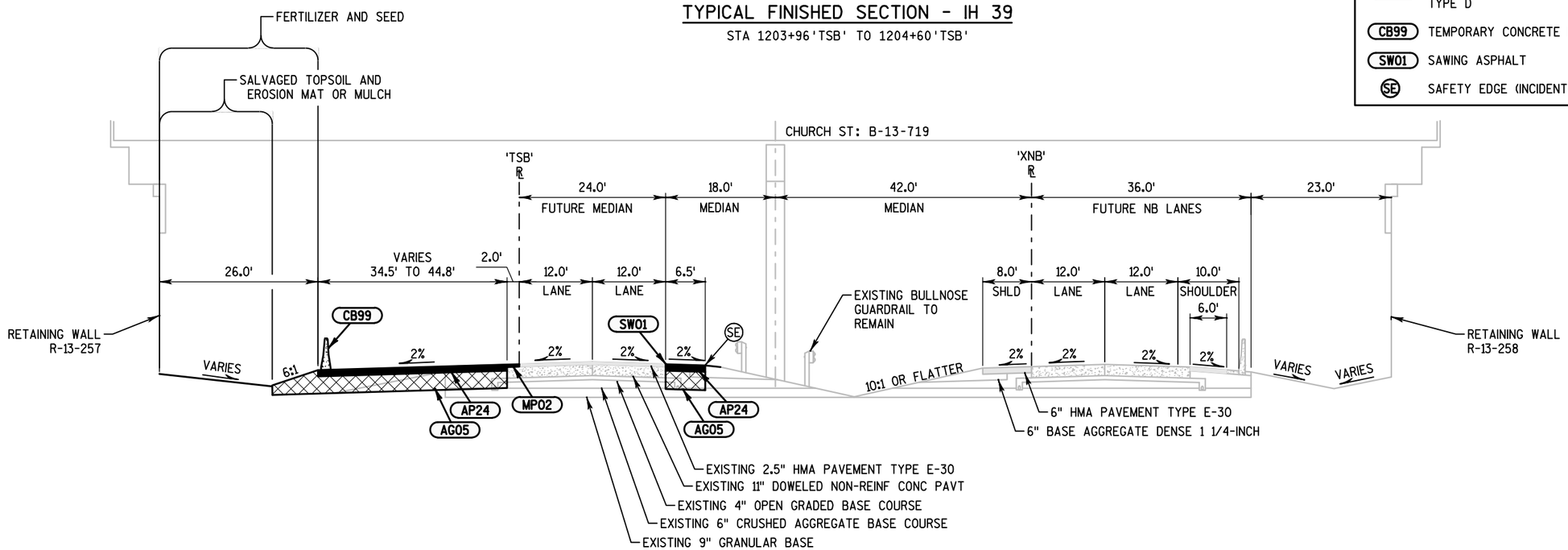


TYPICAL FINISHED SECTION - IH 39

STA 1203+96'TSB' TO 1204+60'TSB'

KEYED NOTE LEGEND

MP02	REMOVING ASPHALTIC SURFACE MILLING, 2.25-INCH 4 HT 58-28 H
AP24	2.25-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H 3.75-INCH BOTTOM LAYER HMA PAVEMENT 2 HT 58-28 S
AG05	BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
CG16	CONCRETE CURB & GUTTER 4-INCH SLOPED, 36-INCH TYPE D
CB99	TEMPORARY CONCRETE BARRIER, LEFT IN PLACE
SW01	SAWING ASPHALT
SE	SAFETY EDGE (INCIDENTAL)

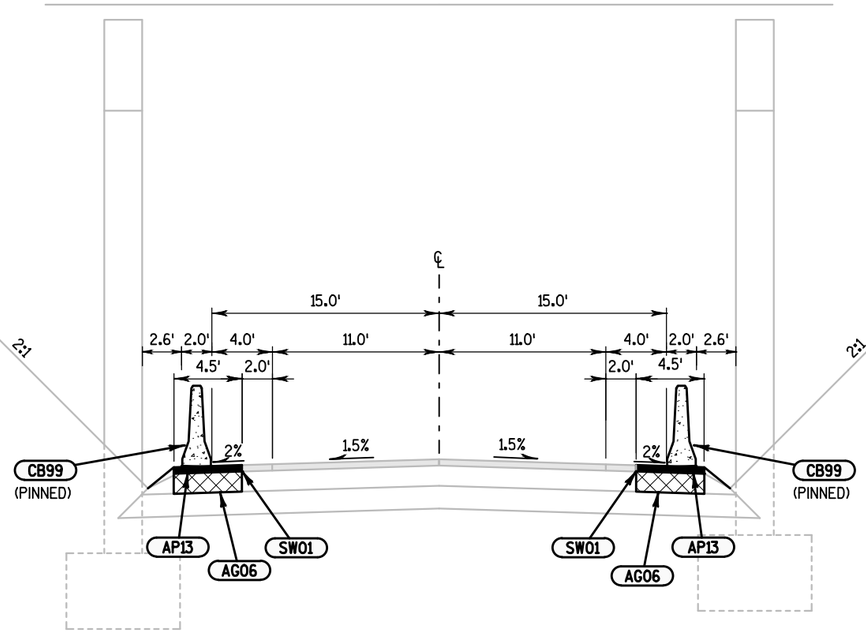


TYPICAL FINISHED SECTION - IH 39

STA 1224+58'TSB' TO 1230+00'TSB'

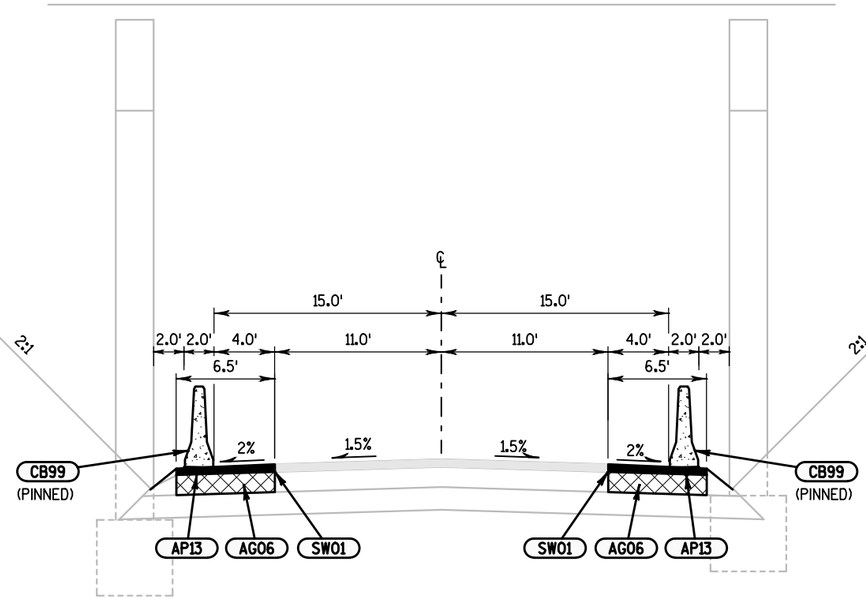
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TYPICAL SECTIONS	SHEET 17	E

SAVE FOLDER PATH: P:\AE\D\DANIEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I088\SEC 02 TYPICAL SECTIONS & DETAILS



TYPICAL FINISHED SECTION

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



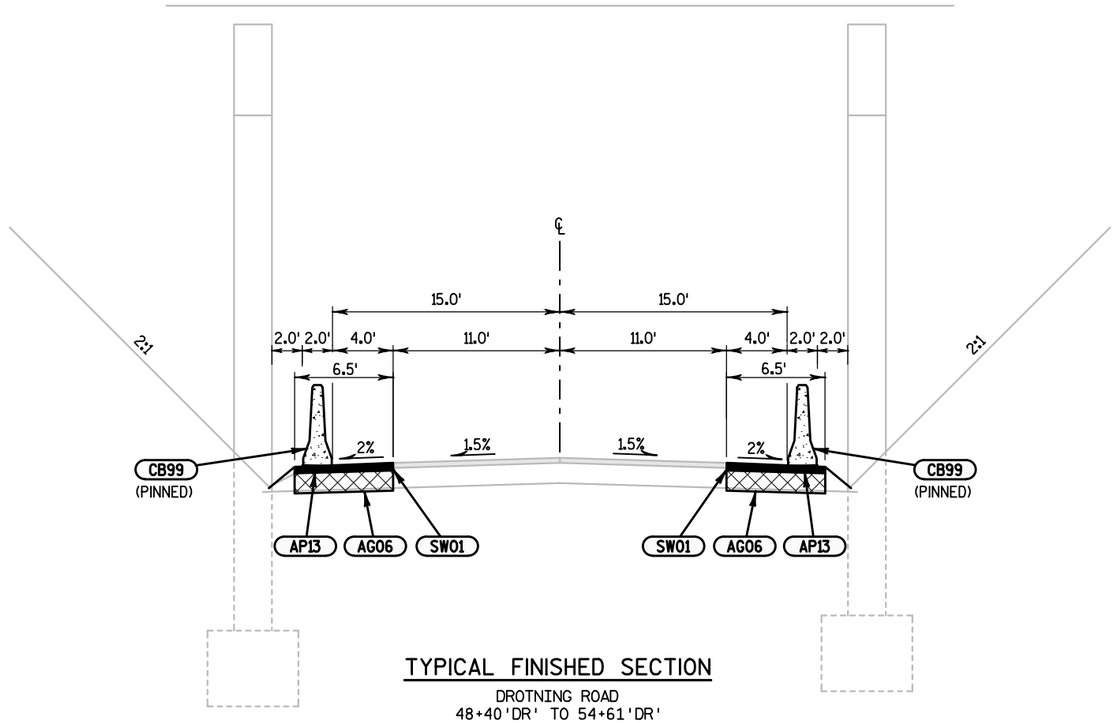
TYPICAL FINISHED SECTION

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

KEYED NOTE LEGEND

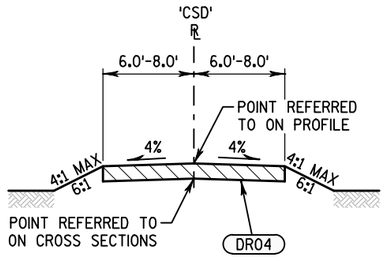
AP13	3.5-INCH HMA PAVEMENT NEW CONSTRUCTION 1.75-INCH TOP LAYER HMA PAVEMENT 4 LT 58-28 S 1.75-INCH LOWER LAYER HMA PAVEMENT 4 LT 58-28 S
AG06	BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
SW01	SAWING ASPHALT
CB99	TEMPORARY CONCRETE BARRIER, LEFT IN PLACE

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I088\SEC 02 TYPICAL SECTIONS & DETAILS



TYPICAL FINISHED SECTION

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



TYPICAL FINISHED SECTION - 'CSD' DRIVEWAY

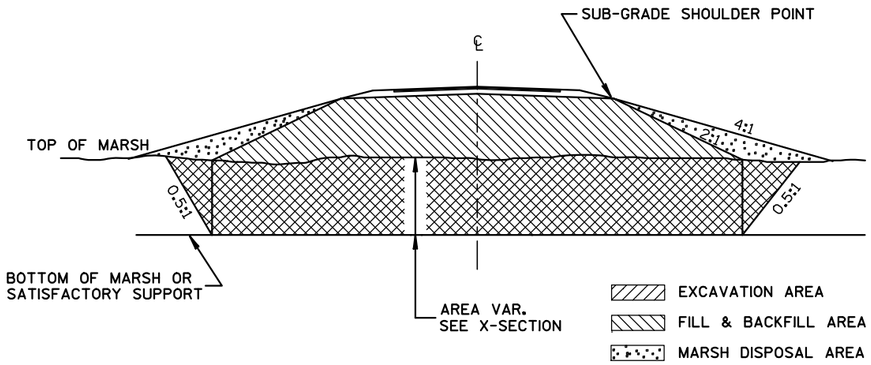
STA 8+75'CSD' TO STA 10+90'CSD'

KEYED NOTE LEGEND

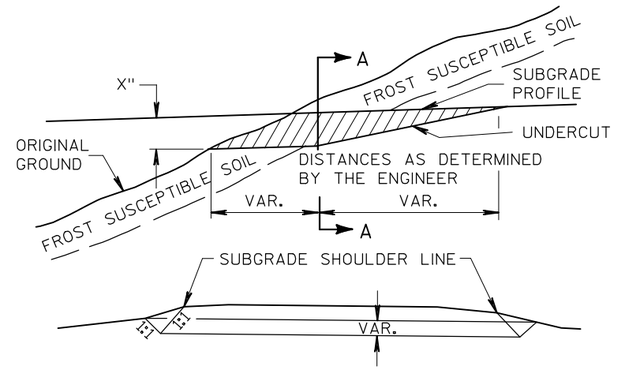
AP13	1.75-INCH TOP LAYER HMA PAVEMENT 4 LT 58-28 S 1.75-INCH LOWER LAYER HMA PAVEMENT 4 LT 58-28 S
AG06	BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
SW01	SAWING ASPHALT
CB99	TEMPORARY CONCRETE BARRIER, LEFT IN PLACE

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 ROADWAY EMBANKMENT.



TYPICAL MARSH EXCAVATION SECTION



SECTION A-A

CROSS SECTION SHOWING UNDERCUT

EXCAVATION BELOW SUBGRADE AT CUTS

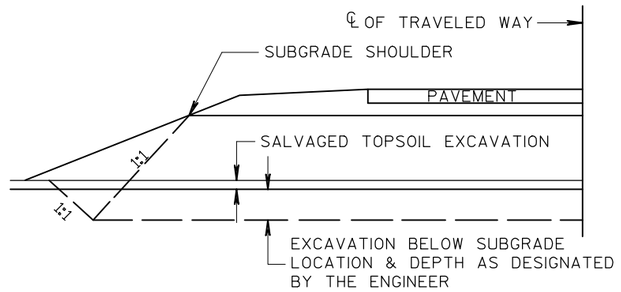
NOTE:

EXACT LOCATIONS AND EXTENT OF EBS SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

EBS AREA TO BE BACKFILLED WITH SELECT BORROW OR WITH MATERIAL ACCEPTABLE TO THE ENGINEER.

BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.

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



EXCAVATION BELOW SUBGRADE

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021000_CD (CSTR DET).DWG PLOT DATE : 1/31/2017 9:50 PM PLOT BY : SEH LAYOUT NAME : 021001_CD PLOT SCALE : 1 INCH = 100 FEET_XREF

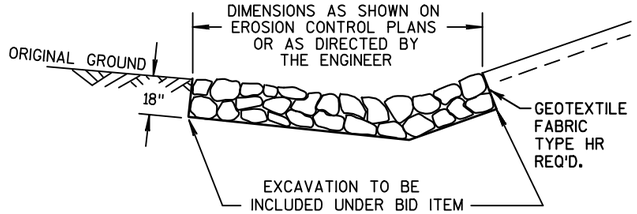
WISDOT/CADDS SHEET 42

RUNOFF COEFFICIENT TABLE

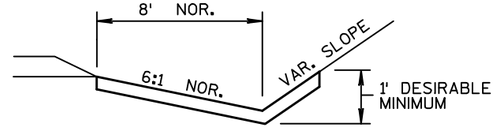
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .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 = 240.7 ACRES

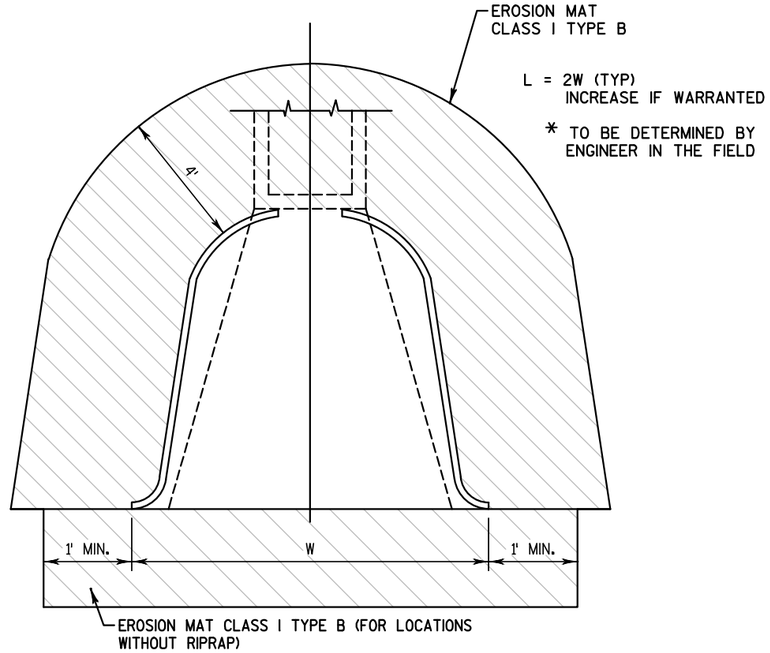
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 57.1 ACRES



RIPRAP MEDIUM IN DITCHES

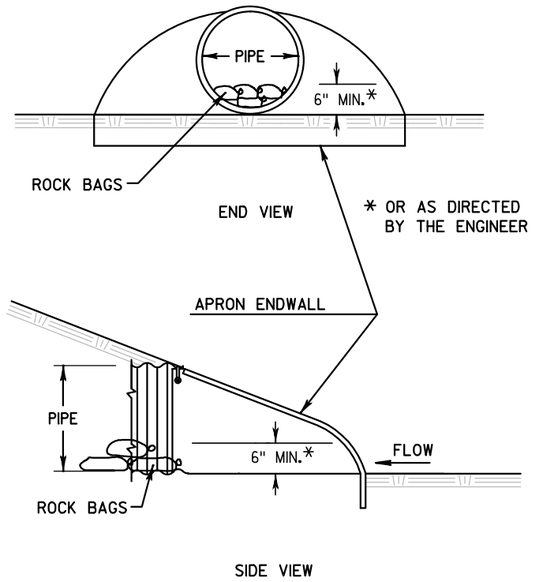


EROSION MAT FOR DITCHES

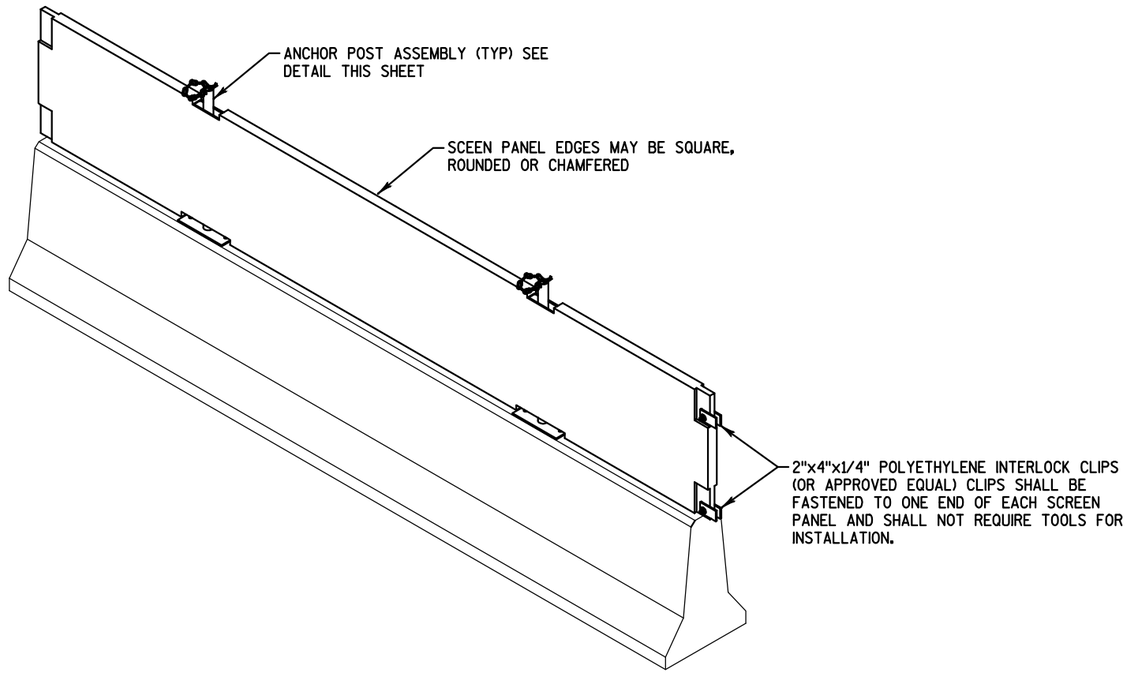


EROSION MAT AT APRON ENDWALLS

(SEE EROSION CONTROL PLANS FOR APPROXIMATE LOCATIONS)



CULVERT PIPE CHECK



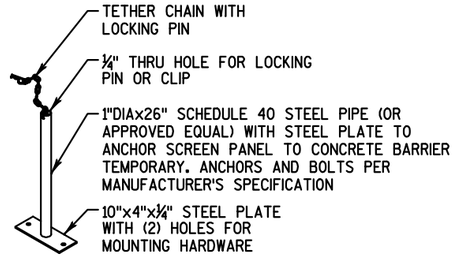
NOTE:

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.

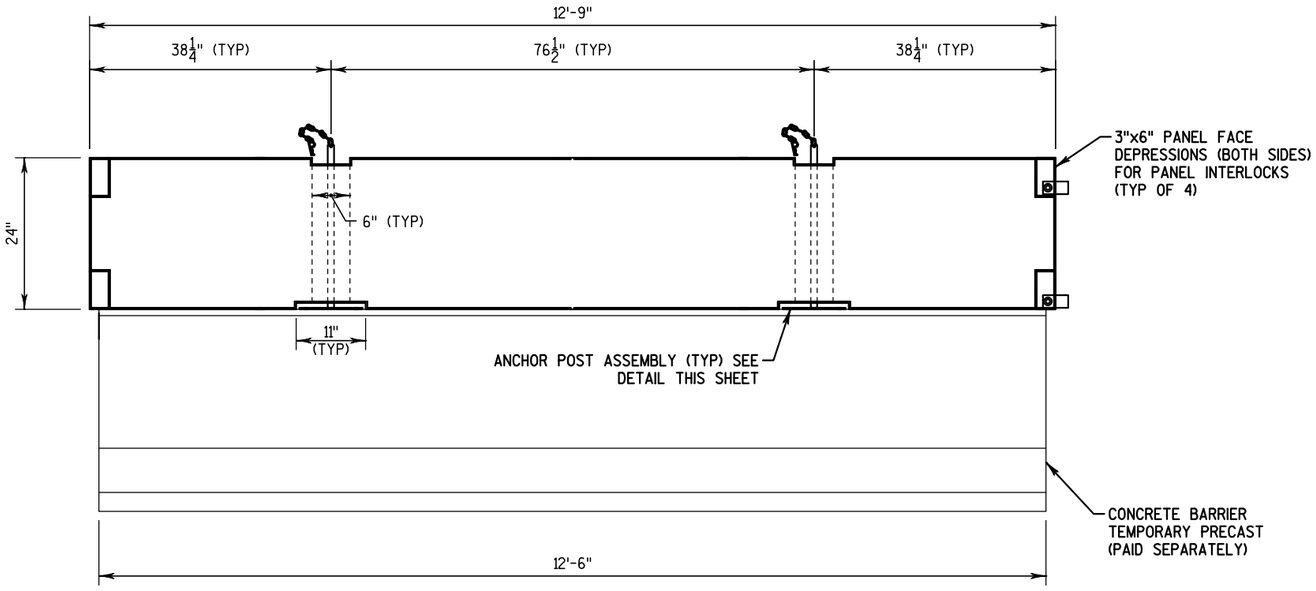
VENT HOLES THROUGH THE SCREEN PANEL ARE PERMITTED BUT NOT REQUIRED. IF VENT HOLES ARE USED, THE HOLES SHALL NOT EXCEED 3-INCHES IN DIAMETER AND SHALL BE LIMITED TO 24 OR LESS PER PANEL.

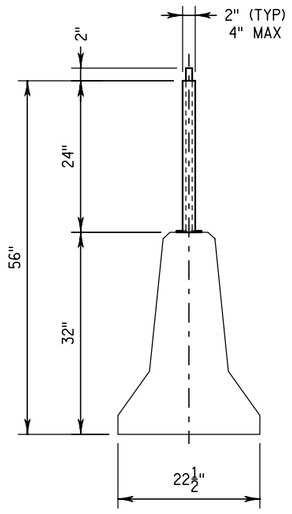
SCREEN PANELS SHALL HAVE A NON-REFLECTIVE MAT OR FLAT GRAY FINISH OR PAINTED SURFACE.

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

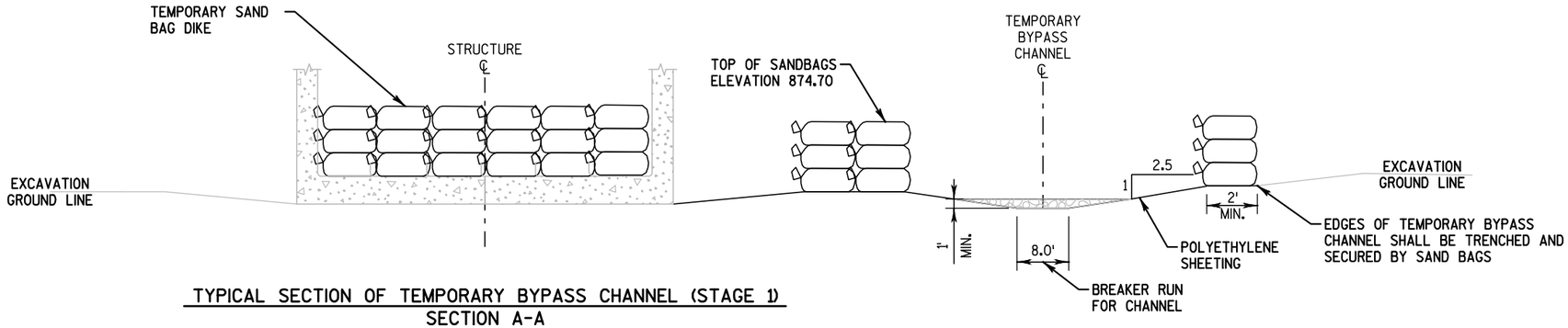


ANCHOR POST ASSEMBLY

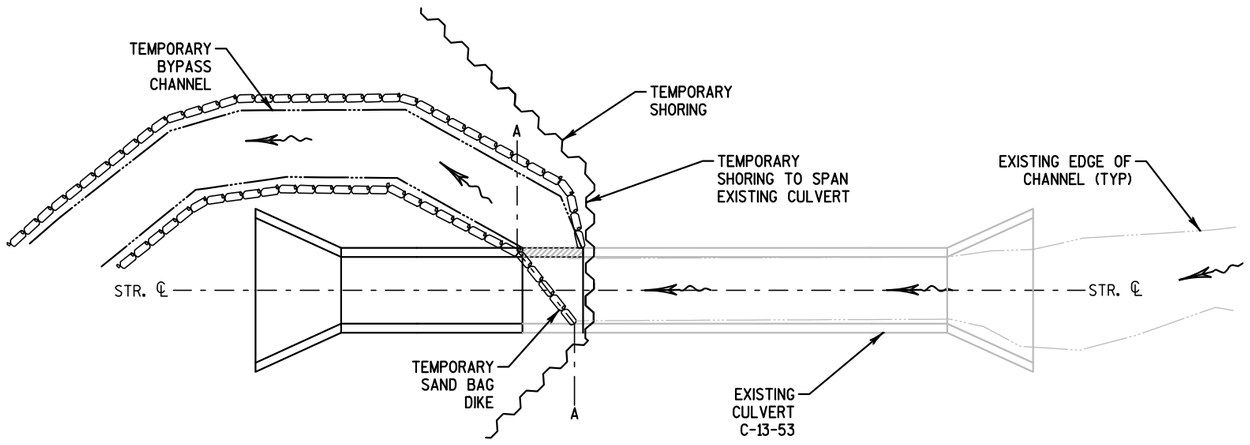




TRAFFIC CONTROL GAWK SCREEN



TYPICAL SECTION OF TEMPORARY BYPASS CHANNEL (STAGE 1)
SECTION A-A



PLAN VIEW OF TEMPORARY BYPASS CHANNEL (STAGE 1)

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.

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CONSTRUCTION DETAIL - BOX CULVERT TEMP. BYPASS CHANNEL	SHEET 23	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108N\SEC 02 TYPICAL SECTIONS & DETAILS

2

PLAN DETAIL LEGEND
MILL AND OVERLAY AREA
PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AP08	4.5-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

EXISTING RW (TYP)

ALLIANT ENERGY

N

SB LANES WORK BY OTHERS
CONSTRUCTED UNDER
PROJECT ID 1007-10-79

BEGIN PROJECT 1007-10-88
STA 994'TSB'+73.22
Y=439,566.368
X=897,713.844

℄ 'TSB'
PROJECT 1007-11-75

1939'TSB'

BP: 992+00.00'TSB'

992'TSB'

993'TSB'

IH 39 SB

℄ 'TSB'

994'TSB'

995'TSB'

996'TSB'

EP: 1939+63.44'TSB'

MATCH LINE 996+50'TSB'

FUTURE CROSSOVER

AP08

1942+58.11'X271'
20.48'LT

1942+81.23'X271'
18.50'LT

1943+56.80'X271'
12.00'LT

6.5'

12.0'

1942+57.95'X271'
18.49'LT

1944'X271'

1943'X271'

1943+56.63'X271'
10.00'LT

CP10

℄ 'X271'

IH 39 NB

1942'X271'

1941'X271'

1940'X271'

1939'X271'

MATCH EXISTING PAVEMENT EDGE

2 LANE TEMPORARY CROSS-OVER
WORK BY OTHERS CONSTRUCTED
UNDER PROJECT ID 1007-11-75

NB LANES WORK BY OTHERS
CONSTRUCTED UNDER
PROJECT ID 1007-11-75

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 01 OF 48	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE'D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 1/31/2017 9:53 PM | PLOT BY : SEH | LAYOUT NAME : 01 | PLOT SCALE : 1.0 IN = 40.0 FT

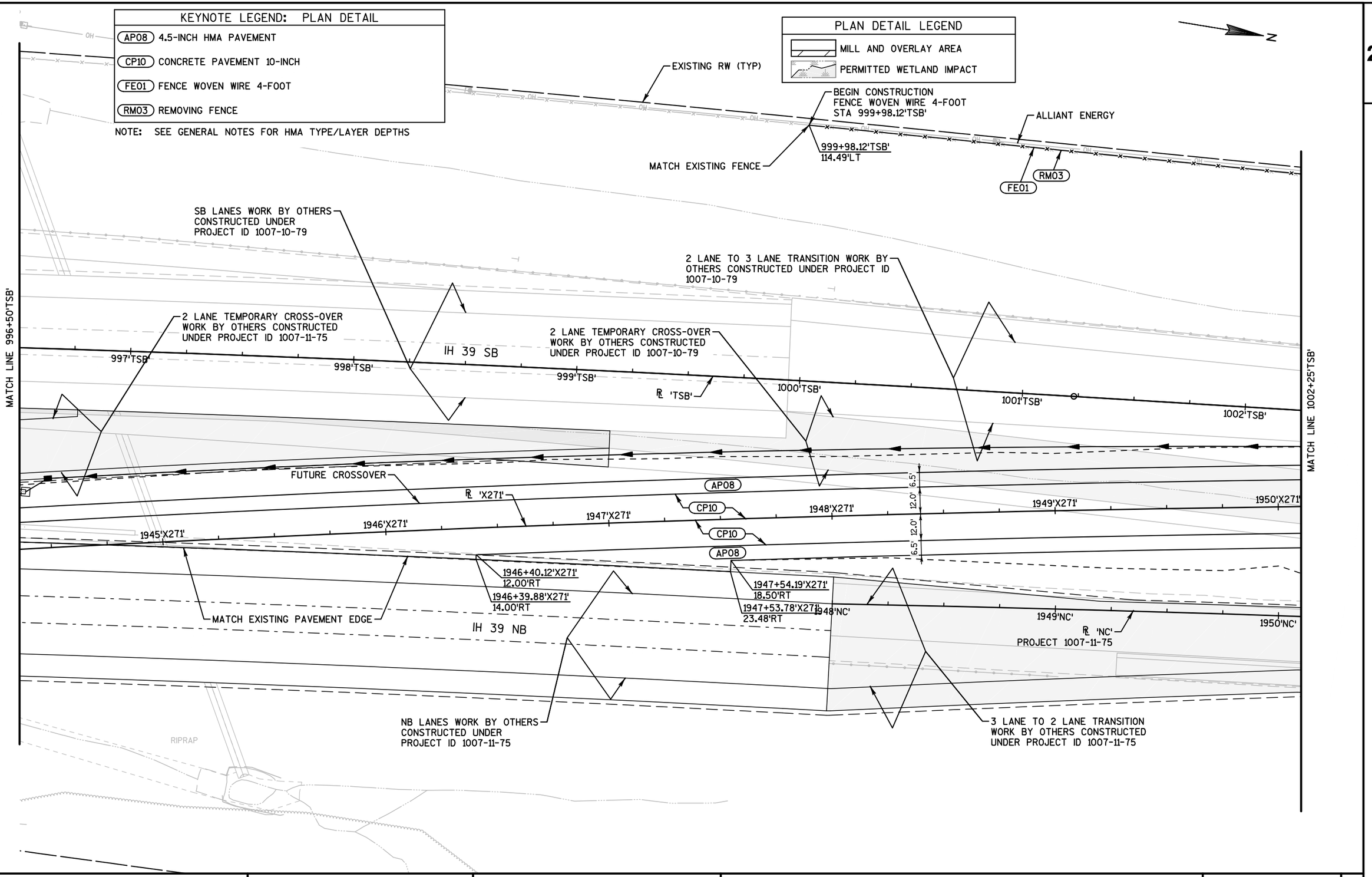
WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAIL	
AP08	4.5-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
RM03	REMOVING FENCE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 02 OF 48	SHEET 25	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 1/31/2017 9:53 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\1007101001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

2

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

N

ALLIANT ENERGY

EXISTING RW (TYP)

PROPOSED RW (TYP)

3.0' (TYP)

3.0' (TYP)

RM03

FE01

1005+19.31'TSB'
94.32'LT

RM03

FE01

2 LANE TO 3 LANE TRANSITION WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-79

SLOPE INTERCEPT (TYP)

SB SHOULDER WIDENING WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-79

MATCH LINE 1002+25'TSB'

1003+74.02'TSB'
22.19'LT

SW01

MATCH EXISTING PAVEMENT EDGE
(REMOVE SAFETY EDGE)

1.0'

VARIES
22.2'-33.0'

AG01

1950+50.54'X271'
26.33'LT

MATCH EXISTING PAVEMENT EDGE

1952+28.86'X271'
14.00'LT

AP25

SW01

1003'TSB'

SW01

1004'TSB'

SW01

MATCH EXISTING PAVEMENT EDGE

1005'TSB'

℄ 'X271'

℄ 'TSB'

IH 39 SB

SW01

1006'TSB'

AP08

6.5'

12.0'

6.5'

1950+50.00'X271'
18.50'LT

CP10

1952'X271'

SW01

1007'TSB'

SW01

1955+28.00'X271'
10.00'RT

1008

CP10

1951'X271'

1952+28.67'X271'
12.00'LT

1953'X271'

1954'X271'

12.0'

VARIES
18.5'-28.6'

1955'X271'

AP08

AP25

1952+41.05'X271'
18.50'RT

AP25

1955+27.92'X271'
12.00'RT

SW01

VARIES
28.6'-30.5'

MATCH LINE 1008+00'TSB'

FUTURE CROSSOVER

BP: 553+66.95'XNB'

1955+27.50'X271'
28.60'RT

556+05.63'XNB'
6.00'LT

SW01

1951'NC'

℄ 'NC'
PROJECT 1007-11-75

1952'NC'

554'XNB'

℄ 'XNB'

IH 39 NB

555'XNB'

556'XNB'

6.0'

557'XNB'

EP: 1952+20.08'NC'

2 LANE TEMPORARY CROSS-OVER WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-79

3 LANE TO 2 LANE TRANSITION WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-11-75

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP08	4.5-INCH HMA PAVEMENT
AP25	6.5-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 03 OF 48	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 1/31/2017 9:53 PM | PLOT BY : SEH | LAYOUT NAME : 03 | PLOT SCALE : 1.0 IN = 40.0 FT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

2

EXISTING RIGHT-OF-WAY FENCE TO REMAIN IN PLACE STA 1008+23'TSB', LT TO STA 1035+11'TSB', LT

FE01

1008+22.52'TSB'
164.53'LT

END FENCE REMOVAL

1008+11.46'TSB'
147.96'LT

3.0'

R=1977.08'

1008+00.70'TSB'
131.25'LT

RM03

FE01

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP25	6.5-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP01	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.5")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

N

SLOPE INTERCEPT (TYP)

1008+27.73'TSB'
33.00'LT

SB SHOULDER WIDENING WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-79

MATCH EXISTING PAVEMENT EDGE (REMOVE SAFETY EDGE)

AG01

AP25

SW01

1.0'

23.0'

10.0'

1013+19.70'TSB'
10.00'LT

MP01

2.0'

MATCH LINE 1008+00'TSB'

MATCH LINE 1013+75'TSB'

1956'X271'

℄ 'X271'

1009'TSB'

1957'X271'

1010'TSB'

1011'TSB'

℄ 'TSB'

1012'TSB'

1013'TSB'

1013+19.70'TSB'
0.00'T

VARIES
28.6'-30.5'

IH 39 SB

1008+27.68'TSB'
42.50'RT

42.5'

38.5'

VARIES
24.0'-38.5'

1012+77.49'TSB'
38.50'RT

4.0'

SW01

1011+29.98'TSB'
38.50'RT

1011+29.98'TSB'
42.50'RT

1956+35.48'TS88'
30.50'RT

FUTURE TEMPORARY EMERGENCY PULLOUT

2 LANE TEMPORARY CROSS-OVER WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-79

561+22.00'XNB'
6.00'LT

6.0'

558'XNB'

559'XNB'

560'XNB'

561'XNB'

562'XNB'

563'XNB'

℄ 'XNB'

IH 39 NB

SB SHOULDER WIDENING WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-79

2

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 04 OF 48	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 1/31/2017 9:54 PM PLOT BY : SEH LAYOUT NAME : 04 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

FE01

1014+45.29'TSB'
181.14'LT

NOTE: EXISTING RIGHT-OF-WAY FENCE TO REMAIN IN PLACE STA 1008+23'TSB', LT TO STA 1035+11'TSB', LT

1019+44.78'TSB'
190.97'LT

N

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP25	6.5-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP01	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.5")
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

SLOPE INTERCEPT (TYP)

AG01

AP25

MATCH LINE 1013+75'TSB'

MATCH LINE 1019+50'TSB'

1.0'

2.0'

33.0'

VARIES

24.0'-38.5'

4.0'

1014'TSB'

1015'TSB'

1016'TSB'

1017'TSB'

1018'TSB'

1019'TSB'

1015+29.44'TSB'
32.75'RT

SW01

MP01

℄ 'TSB'

IH 39 SB

1017+81.90'TSB'
24.00'RT

24.0'

6.5'

1019+19.58'TSB'
24.00'RT

1019+19.58'TSB'
30.50'RT

1017+81.90'TSB'
27.00'RT

FUTURE TEMPORARY EMERGENCY PULLOUT

R=2866.52'

SB SHOULDER WIDENING WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-79

564'XNB'

565'XNB'

566'XNB'

567'XNB'

568'XNB'

569'XNB'

℄ 'XNB'

IH 39 NB

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 05 OF 48	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 1/31/2017 9:54 PM PLOT BY : SEH LAYOUT NAME : 05 PLOT SCALE : 1.0 IN = 40.0 FT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP25	6.5-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP01	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.5")
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

NOTE: EXISTING RIGHT-OF-WAY FENCE TO REMAIN IN PLACE STA 1008+23'TSB', LT TO STA 1035+11'TSB', LT

PLAN DETAIL LEGEND

- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT

FE01

1024+94.04'TSB'
186.71'LT

SLOPE INTERCEPT (TYP)

1025+06.33'TSB'
33.00'LT

AG01

AP25

MATCH LINE 1019+50'TSB'

1020'TSB' 1021'TSB' 1022'TSB' 1023'TSB' 1024'TSB' 1025'TSB'

1.0'
2.0'
33.0'
24.0'
6.5'

℄ 'TSB'
IH 39 SB

SW01
MP01
AP25

MATCH LINE 1025+25'TSB'

570'XNB' 571'XNB' 572'XNB' 573'XNB' 574'XNB' 575'XNB

℄ 'XNB'
IH 39 NB

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 06 OF 48	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG
PLOT DATE : 1/31/2017 9:54 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\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108B\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

KEYNOTE LEGEND: PLAN DETAIL	
AP25	6.5-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP01	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.5")
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND
MILL AND OVERLAY AREA
PERMITTED WETLAND IMPACT

FE01

1030+11.48'TSB'
157.00'LT

NOTE: EXISTING RIGHT-OF-WAY FENCE TO REMAIN IN PLACE STA 1008+23'TSB', LT TO STA 1035+11'TSB', LT

N

SLOPE INTERCEPT (TYP)

1030+75.00'TSB'
46.00'LT

FUTURE TEMPORARY EMERGENCY PULLOUT

1025+50.27'TSB'
34.00'LT

1025+63.48'TSB'
34.30'LT

1026+20.66'TSB'
35.60'LT

R=2810.23'

2.0'

VARIES
33.0'-46.0'

AP25

MATCH LINE 1025+25'TSB'

1026'TSB'

1027'TSB'

1028'TSB'

℄ 'TSB'

MP01

SW01

1029'TSB'

1030'TSB'

1031

MATCH LINE 1031+00'TSB'

24.0'

IH 39 SB

1026+20.66'TSB'
24.00'RT

AP25

6.5'

1026+20.66'TSB'
30.50'RT

576'XNB'

577'XNB'

℄ 'XNB'

578'XNB'

579'XNB'

580'XNB'

IH 39 NB

EXISTING RW (TYP)

PROPOSED RW (TYP)

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 07 OF 48	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG
PLOT DATE : 1/31/2017 9:54 PM
PLOT BY : SEH
LAYOUT NAME : 07
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\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP25	6.5-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP01	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.5")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT

EXISTING RIGHT-OF-WAY FENCE TO REMAIN IN PLACE STA 1008+23'TSB', LT TO STA 1035+11'TSB', LT

1035+11.10'TSB' 151.17'LT

BEGIN FENCE REMOVAL

1035+56.04'TSB' 138.61'LT

R=1843.08'

3.0'

PROPOSED RW (TYP)

1036+01.29'TSB' 127.18'LT

RM03

FE01

EXISTING RW (TYP)

FUTURE TEMPORARY EMERGENCY PULLOUT

1035+25.00'TSB' 46.00'LT

AP25

MATCH LINE 1031+00'TSB'

MATCH LINE 1036+75'TSB'

2.0'

46.0'

24.0'

6.5'

1032'TSB'

1033'TSB'

1034'TSB'

℄ 'TSB'

1035'TSB'

1036'TSB'

IH 39 SB

SW01

MP01

1036+00.00'TSB' 32.00'RT

AG01

SLOPE INTERCEPT (TYP)

581'XNB'

582'XNB'

583'XNB'

℄ 'XNB'

584'XNB'

585'XNB'

586'XNB'

IH 39 NB

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 08 OF 48	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I088\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 1/31/2017 9:54 PM PLOT BY : SEH LAYOUT NAME : 08 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

STA 1039+00'TSB' TO STA 1043+00'TSB', LT
CLEARING AND GRUBBING REQ'D

PROPOSED RW (TYP)

TLE (TYP)

1042+05.28'TSB'
150.47'LT

FE01

RM03

EXISTING RW (TYP)

FUTURE TEMPORARY
EMERGENCY PULLOUT

1038+45.64'TSB'
34.00'LT

1038+79.89'TSB'
33.00'LT

AG01

RM03

1042+22.06'TSB'
32.27'LT

1042+14.73'TSB'
33.72'LT

1041+28.76'TSB'
33.00'LT

1041+82.33'TSB'
32.27'LT

CP10

RM04

1041+82.33'TSB'
30.44'LT

SW02

PV01

1042+20.30'TSB'
30.44'LT

1041+52.25'TSB'
6.44'LT

1041+97.33'TSB'
6.44'LT

AP25

MATCH LINE 1036+75'TSB'

MATCH LINE 1042+50'TSB'

VARIES 46.0'-33.0'

3.0'

1.0'

33.0'

VARIES 24.0-19.8'

19.8'

24.0'

24.0'

6.5'

6.5'

1.5'

1.5'

8.7'

8.7'

1037'TSB'

1038'TSB'

1039'TSB'

℄ 'TSB'

1040'TSB'

1041'TSB'

1042'TSB'

IH 39 SB

SW01

MP01

MP01

1041+52.25'TSB'
3.88'LT

1041+72.16'TSB'
19.86'RT

AP25

1041+66.03'TSB'
28.50'RT

1041+66.03'TSB'
26.26'RT

1038+62.27'TSB'
30.50'RT

AG01

1040+08.46'TSB'
30.50'RT

SLOPE INTERCEPT (TYP)

587'XNB'

588'XNB'

589'XNB'

590'XNB'

591'XNB'

592'XNB'

℄ 'XNB'

IH 39 NB

CTH B

B-13-165

FRONTIER COM

ALLIANT ENERGY

NOTE: SEE PAGE 46 OF 48 FOR CTH B DETAILS

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP25	6.5-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
MP01	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.5")
PV01	CONCRETE PAVEMENT APPROACH SLAB
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT
SW02	SAWING CONCRETE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 09 OF 48	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 1/31/2017 9:55 PM PLOT BY : SEH LAYOUT NAME : 09 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

STA 1044+00'TSB' TO STA 1047+00'TSB', LT
CLEARING AND GRUBBING REQ'D

1045+01.27'TSB'
166.99'LT

3.0'

PROPOSED RW (TYP)

FE01

EXISTING RW (TYP)

1047+36.54'TSB'
122.98'LT

RM03

SLOPE INTERCEPT (TYP)

FRONTIER COM

ALLIANT ENERGY

CTH B

49'R

DELINEATED WETLANDS (TYP)
-GRAY SHADE DENOTES
PERMITTED IMPACT AREA

1043+86.84'TSB'
32.27'LT

CP10

1043+85.71'TSB'
32.69'LT

1044+12.19'TSB'
32.69'LT

AG01

4.0'

1043+71.88'TSB'
33.74'LT

1043+73.59'TSB'
32.27'LT

PV01

BG07

AP25

1043+86.84'TSB'
6.44'LT

1043+48.89'TSB'
6.44'LT

32.7'

1046+28.77'TSB'
36.69'LT

1046+28.77'TSB'
32.69'LT

1046+78.19'TSB'
33.00'LT

1047+19.27'TSB'
37.00'LT

1047+19.27'TSB'
33.00'LT

1047+69.27'TSB'
42.00'LT

1047+69.27'TSB'
35.00'LT

BG08

RM04

BG09

33.0'

2.0'

MATCH LINE 1042+50'TSB'

1043'TSB'

1044'TSB'

1045'TSB'

1046'TSB'

1047'TSB'

1048'TSB'

MATCH LINE 1048+25'TSB'

SW02

MP01

1043+68.59'TSB'
3.81'LT

19.7'

SW01

VARIES
19.7'-24.0'

℄ 'TSB'

MP01

IH 39 SB

1046+65.75'TSB'
32.00'RT

24.0'

1043+23.95'TSB'
19.59'RT

AP25

6.5'

6.5'

1.5'

1043+17.56'TSB'
26.26'RT

EXISTING GUARDRAIL
TO REMAIN

AG01

B-13-164

595'XNB'

593'XNB'

594'XNB'

596'XNB'

597'XNB'

598'XNB'

℄ 'XNB'

IH 39 NB

PLAN DETAIL LEGEND

- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT

NOTE: SEE PAGE 46 OF 48 FOR CTH B DETAILS

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP25	6.5-INCH HMA PAVEMENT
BG07	MGS THRIE BEAM TRANSITION
BG08	MGS GUARDRAIL 3
BG09	MGS GUARDRAIL TERMINAL EAT
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT

KEYNOTE LEGEND: PLAN DETAIL

MP01	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.5")
PV01	CONCRETE PAVEMENT APPROACH SLAB
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT
SW02	SAWING CONCRETE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 1/31/2017 9:55 PM | PLOT BY : SEH | LAYOUT NAME : 10 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

3.0'

1050+71.71'TSB'
152.99'LT

FE01

PROPOSED RW (TYP)

STA 1049+40'TSB' TO STA 1055+40'TSB', LT
CLEARING AND GRUBBING REQ'D

EXISTING RW (TYP)

RM03

RM03

1048+89.27'TSB'
34.00'LT

AG01

MATCH LINE 1048+25'TSB'

1.0'

33.0'

AP25

2.0'

1049'TSB'

1050'TSB'

1051'TSB'

℄ 'TSB'

1052'TSB'

1053'TSB'

1054

MATCH LINE 1054+00'TSB'

IH 39 SB

24.0'

SW01

MP01

AP25

1.5'

6.5'

AG01

SLOPE INTERCEPT (TYP)

599'XNB'

600'XNB'

℄ 'XNB'

601'XNB'

602'XNB'

603'XNB'

IH 39 NB

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP25	6.5-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP01	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.5")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 11 OF 48	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 1/31/2017 9:55 PM | PLOT BY : SEH | LAYOUT NAME : 11 | PLOT SCALE : 1.0 IN = 40.0 FT

2

BEGIN CONSTRUCTION
FENCE WOVEN WIRE 4-FOOT
& TEMPORARY SNOW FENCE
STA 1055+00'TSB'

PROPOSED RW (TYP)

FE01

1055+00.00'TSB'
126.77'LT

1055+61.57'TSB'
123.00'LT

FE04

3.0'

EXISTING RW (TYP)

RM03

RM03

AG01

AP25

MATCH LINE 1054+00'TSB'

1.0'
33.0'
2.0'
24.0'
1.5'
6.5'

TSB'
1055'TSB'
1056'TSB'
℄ 'TSB'
1057'TSB'
1058'TSB'
1059'TSB'

IH 39 SB

SW01
MP01
AP25
AG01
SW01

MATCH LINE 1059+75'TSB'

SLOPE INTERCEPT (TYP)

EXISTING MAINTENANCE
CROSSOVER TO REMAIN

604'XNB'
605'XNB'
606'XNB'
℄ 'XNB'
IH 39 NB
607'XNB'
608'XNB'
609'XNB'

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP25	6.5-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE
MP01	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.5")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

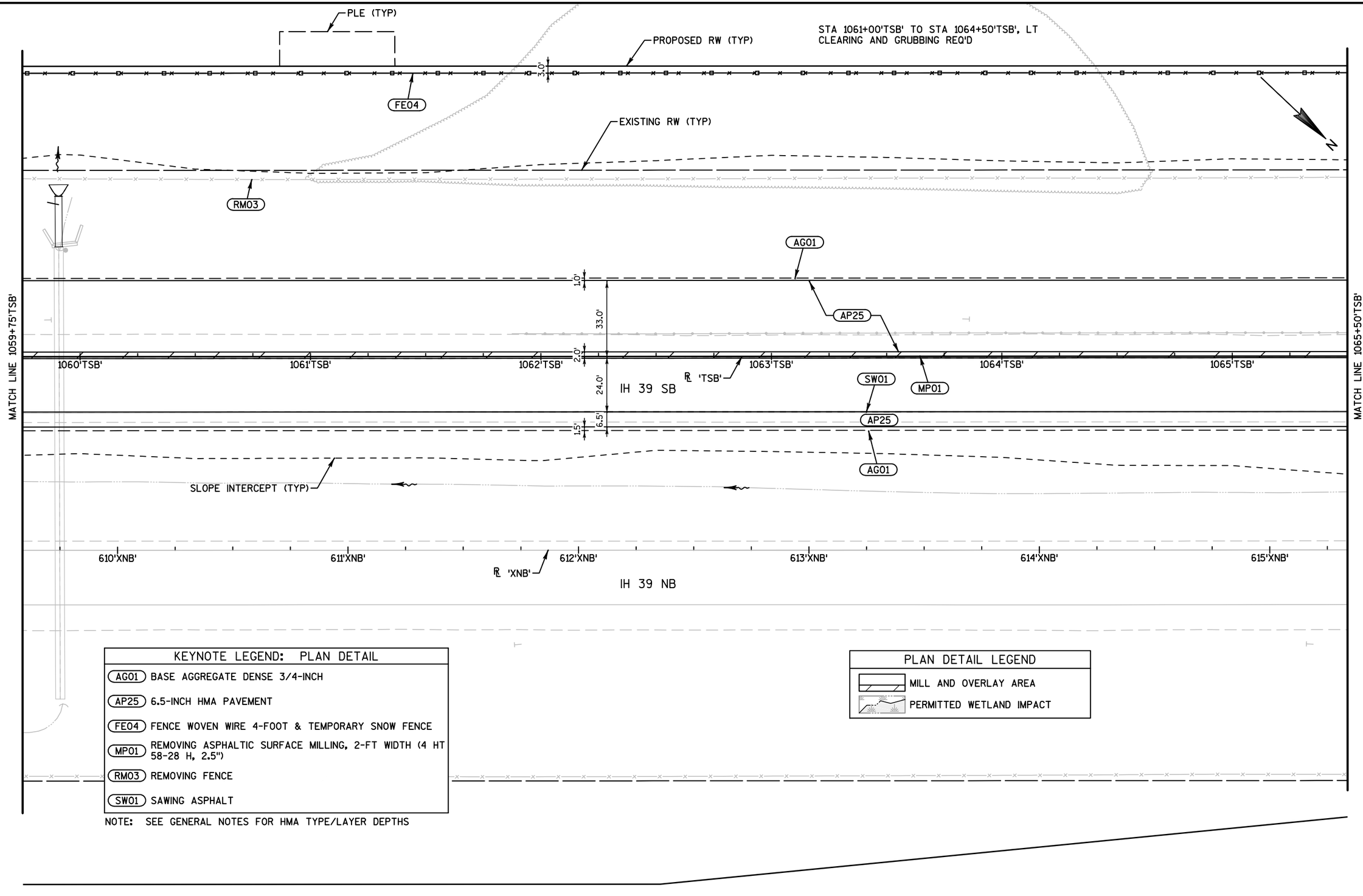
SIGN

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 12 OF 48	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 1/31/2017 9:55 PM | PLOT BY : SEH | LAYOUT NAME : 12 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42



KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP25	6.5-INCH HMA PAVEMENT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE
MP01	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.5")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

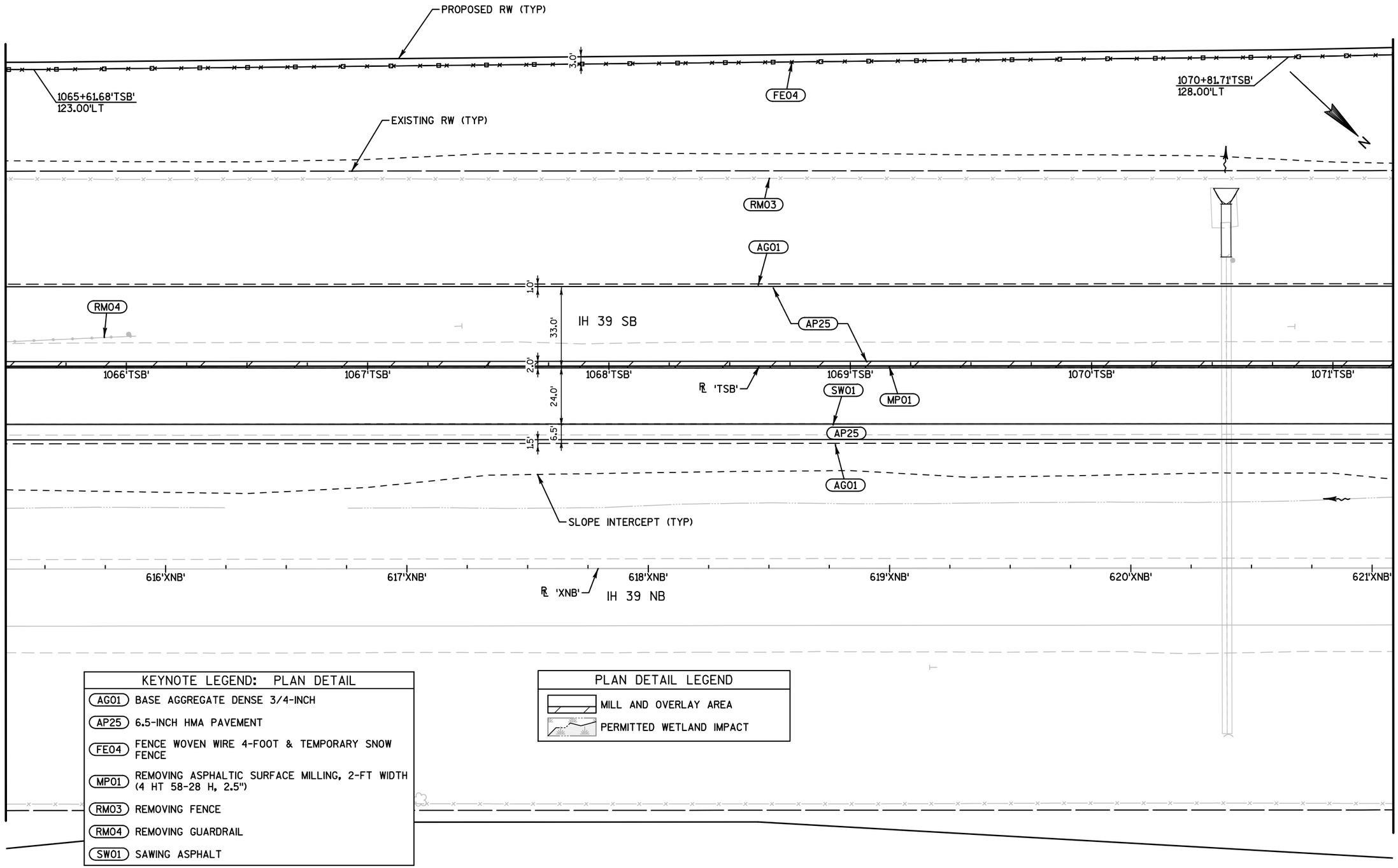
PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 13 OF 48	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG
PLOT DATE : 1/31/2017 9:56 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\DANIEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

2



KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP25	6.5-INCH HMA PAVEMENT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE
MP01	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.5")
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

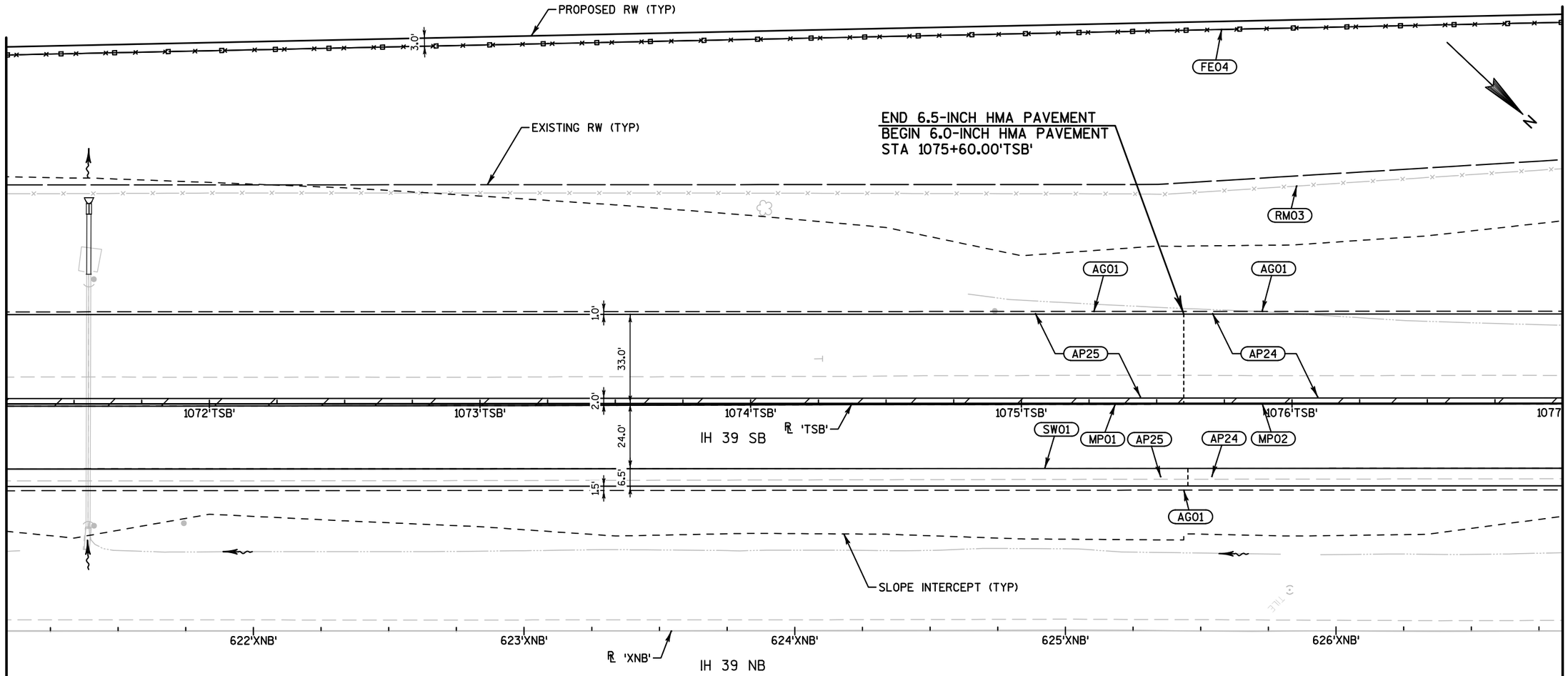
PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 1/31/2017 9:56 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\DANIEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

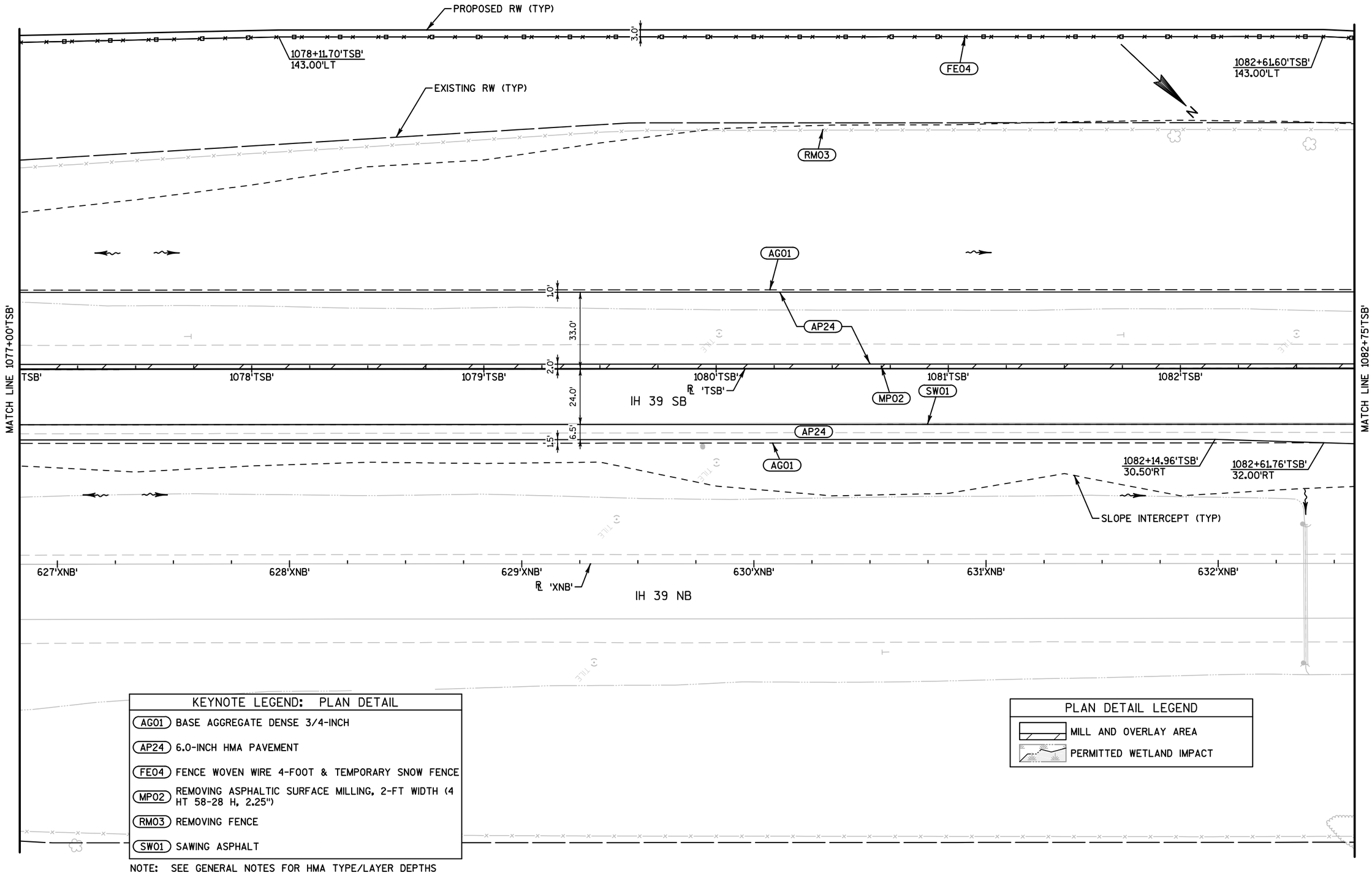
2



KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
AP25	6.5-INCH HMA PAVEMENT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE
MP01	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.5")
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

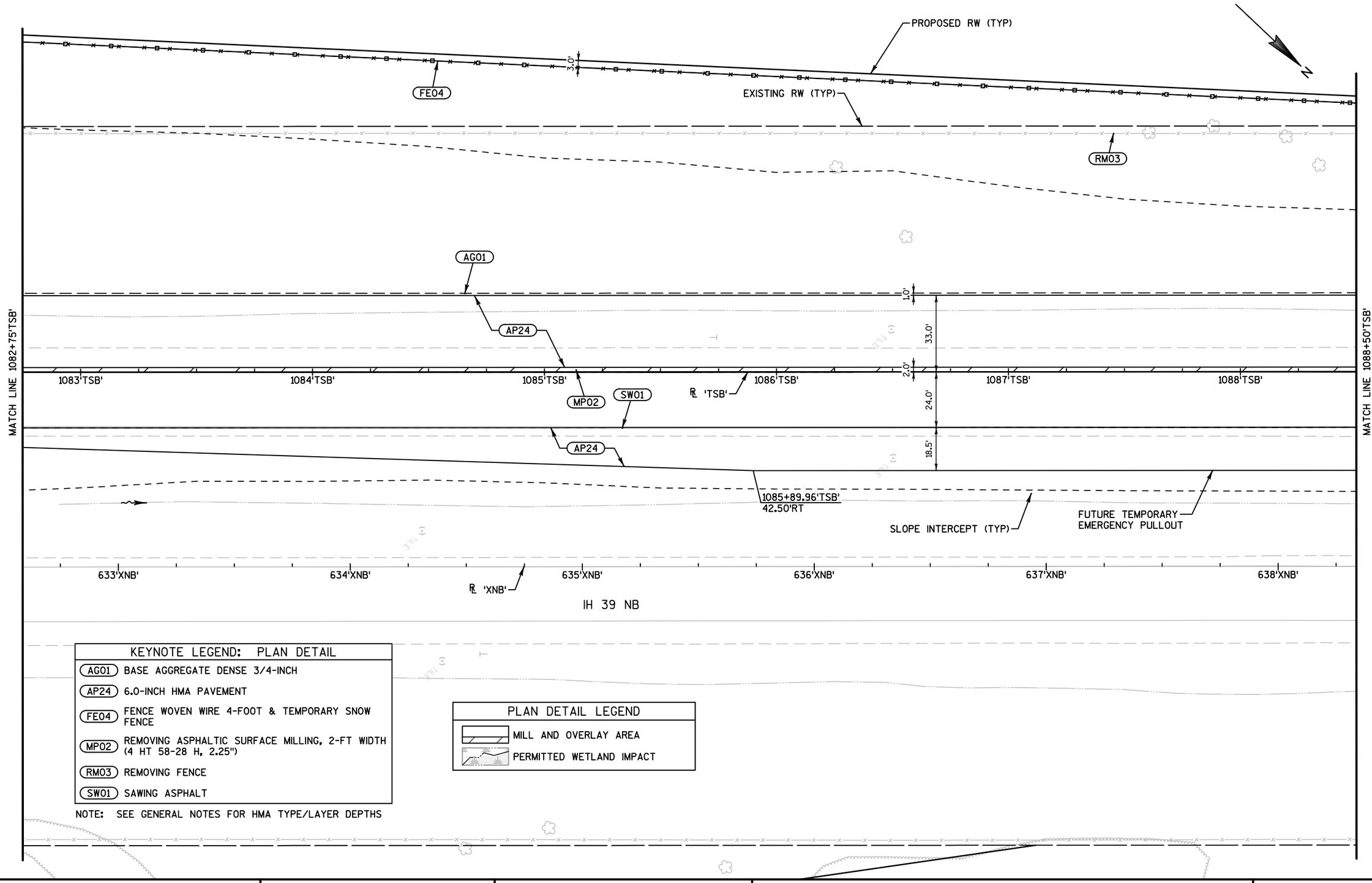


KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

2



KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

2

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 17 OF 48	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 1/31/2017 9:56 PM | PLOT BY : SEH | LAYOUT NAME : 17 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

STA 1090+50'TSB' TO STA 1095+00'TSB', LT
CLEARING AND GRUBBING REQ'D

PROPOSED RW (TYP)

EXISTING RW (TYP)

1091+26.66'TSB'
103.00'LT

FE04

RM03

AG01

AP24

MP02

SW01

℄ 'TSB'

IH 39 SB

MATCH LINE 1088+50'TSB'

MATCH LINE 1094+25'TSB'

1089'TSB' 1090'TSB' 1091'TSB' 1092'TSB' 1093'TSB' 1094'TSB'

1.0'
33.0'
2.0'
24.0'
18.5'

1090+40.03'TSB'
42.50'RT

FUTURE TEMPORARY
EMERGENCY PULLOUT

639'XNB' 640'XNB' 641'XNB' 642'XNB' 643'XNB' 644'XNB'

℄ 'XNB'

IH 39 NB

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 18 OF 48	SHEET E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 1/31/2017 9:57 PM PLOT BY : SEH LAYOUT NAME : 18 PLOT SCALE : 1.0 IN = 40.0 FT

STA 1097+25'TSB' TO STA 1098+25'TSB', LT
CLEARING AND GRUBBING REQ'D

1096+11.73'TSB'
123.00'LT

PROPOSED RW (TYP)

FE04

EXISTING RW (TYP)

AG01

RM03

1099+06.97'TSB'
33.00'LT

MATCH LINE 1094+25'TSB'

AP24

1095'TSB' 1096'TSB' 1097'TSB' 1098'TSB' 1099'TSB' 1100'

MP02 SW01

℄ 'TSB'

IH 39 SB

AP24

1095+65.03'TSB'
30.50'RT

AG01

SLOPE INTERCEPT (TYP)

1099+66.66'TSB'
30.50'RT

MATCH LINE 1100+00'TSB'

645'XNB' 646'XNB' 647'XNB' 648'XNB' 649'XNB'

℄ 'XNB'

IH 39 NB

3.0' 1.0' 33.0' 2.0' 24.0' 6.5' 24.0' 6.5'

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

NOTE: SEE PAGE 47 OF 48 FOR CTH W DETAILS

1102+36.15'TSB'
188.77'LT

FE01

PROPOSED RW (TYP)

3.0'

STA 1103+50'TSB' TO STA 1105+00'TSB', LT
CLEARING AND GRUBBING REQ'D

ALLIANT ENERGY

EXISTING RW (TYP)

RM03

DELINEATED WETLANDS (TYP)
-GRAY SHADE DENOTES
PERMITTED IMPACT AREA

FRONTIER COM

1101+25.00'TSB'
125.65'LT

FE04

FE01

END CONSTRUCTION
FENCE WOVEN WIRE 4-FOOT
& TEMPORARY SNOW FENCE
STA 1101+25'TSB'

1101+47.74'TSB'
126.03'LT

CTH W

48W'

49W'

50W'

51W'

52W'

RM03

RM03

1102+27.39'TSB'
33.42'LT

1102+27.39'TSB'
32.00'LT

1102+06.32'TSB'
33.00'LT

AG01

CP10

1102+45.55'TSB'
33.42'LT

1102+45.95'TSB'
32.00'LT

1103+96.67'TSB'
33.45'LT

1104+07.78'TSB'
32.42'LT

BG07

CP10

1104+41.55'TSB'
32.00'LT

1104+01.71'TSB'
32.00'LT

1104+95.99'TSB'
36.42'LT

1104+96.03'TSB'
32.42'LT

AG01

MATCH LINE 1100+00'TSB'

1.0'

33.0'

2.0'

AP24

1102+33.02'TSB'
30.00'LT

1102+33.00'TSB'
8.00'LT

PV01

SW02

1102+70.77'TSB'
8.00'LT

PV01

SW02

RM04

BG08

AP24

1104+26.55'TSB'
8.00'LT

2.0'

1101'TSB'

SW01

MP02

IH 39 SB

1102'TSB'

MP02

SW01

1102+53.30'TSB'
3.87'LT

1103'TSB'

℄ 'TSB'

1104'TSB'

1104+41.55'TSB'
8.00'LT

1104+72.95'TSB'
8.00'LT

1104+72.95'TSB'
3.93'LT

1105'TSB'

1104+72.97'TSB'
19.90'RT

MP02

VAR 6.5'-24.0'-20.3' VAR 8.5'

20.3'

8.5'

1102+53.30'TSB'
20.00'RT

AP24

1103+05.80'TSB'
25.70'RT

AP24

1103+05.80'TSB'
28.50'RT

1104+72.95'TSB'
26.00'RT

EXISTING GUARDRAIL
TO REMAIN

1100+87.21'TSB'
30.50'RT

AG01

1102+53.29'TSB'
25.70'RT

B-13-148

SLOPE INTERCEPT (TYP)

651'XNB'

650'XNB'

652'XNB'

℄ 'XNB'

IH 39 NB

653'XNB'

654'XNB'

655'XNB'

MATCH LINE 1105+75'TSB'

B-13-149

FRONTIER COM

CTH W

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
BG07	MGS THRIE BEAM TRANSITION
BG08	MGS GUARDRAIL 3
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE

KEYNOTE LEGEND: PLAN DETAIL	
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
PV01	CONCRETE PAVEMENT APPROACH SLAB
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT
SW02	SAWING CONCRETE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 20 OF 48	SHEET E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 1/31/2017 9:57 PM PLOT BY : SEH LAYOUT NAME : 20 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 1105+75'TSB'

MATCH LINE 1111+50'TSB'

1109+01.40'TSB'
183.00'LT

FE04

FE01

PROPOSED RW (TYP)

BEGIN CONSTRUCTION
FENCE WOVEN WIRE 4-FOOT
& TEMPORARY SNOW FENCE
STA 1109+01.40'TSB'

30.0'

DELINEATED WETLANDS (TYP)
-GRAY SHADE DENOTES
PERMITTED IMPACT AREA

EXISTING RW (TYP)

1111+01.33'TSB'
138.01'LT

RM03

SLOPE INTERCEPT (TYP)

1107+49.05'TSB'
38.18'LT

1107+74.10'TSB'
42.00'LT

1106+50.83'TSB'
36.81'LT

1107+24.64'TSB'
36.96'LT

1106+50.84'TSB'
32.81'LT

1107+74.10'TSB'
35.00'LT

AG01

1108+94.10'TSB'
34.00'LT

1.0'

BG08

1107+24.65'TSB'
32.96'LT

1107+39.87'TSB'
33.00'LT

BG09

AP24

RM04

33.0'

2.0'

24.0'

1.5'

6.5'

1106'TSB'

1107'TSB'

1108'TSB'

1109'TSB'

1110'TSB'

1111'TSB'

SW01

IH 39 SB

MP02

℄ 'TSB'

AP24

EXISTING GUARDRAIL
TO REMAIN

1109+50.00'TSB'
30.50'RT

AG01

EXISTING CABLE
GUARD TO REMAIN

656'XNB'

657'XNB'

658'XNB'

659'XNB'

℄ 'XNB'

IH 39 NB

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

945

945

SOIL CONSOLIDATION REQ'D
SEE GRADING DETAIL

ALLIANT ENERGY

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
BG08	MGS GUARDRAIL 3
BG09	MGS GUARDRAIL TERMINAL EAT
FE01	FENCE WOVEN WIRE 4-FOOT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE'D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 21 OF 48	SHEET 44	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 1/31/2017 9:57 PM PLOT BY : SEH LAYOUT NAME : 21 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

PROPOSED RW (TYP)

EXISTING RW (TYP)

3.0'

1114+41.67'TSB'
123.00'LT

RM03

FE04

SLOPE INTERCEPT (TYP)

FUTURE TEMPORARY
EMERGENCY PULLOUT

1112+06.28'TSB'
33.00'LT

1112+50.03'TSB'
34.00'LT

MATCH LINE 1111+50'TSB'

MATCH LINE 1117+25'TSB'

VARIES
33.0'-46.0'

2.0'

24.0'

6.5'

1.5'

AP24

1112'TSB'

1113'TSB'

1114'TSB'

℄ 'TSB'

1115'TSB'

1116'TSB'

1117'TSB'

IH 39 SB

SW01

MP02

AP24

SW01

AG01

AG01

EXISTING CABLE
GUARD TO REMAIN

EXISTING MAINTENANCE
CROSSOVER TO REMAIN

EXISTING CABLE
GUARD TO REMAIN

662'XNB'

663'XNB'

℄ 'XNB'

664'XNB'

665'XNB'

666'XNB'

667'XNB'

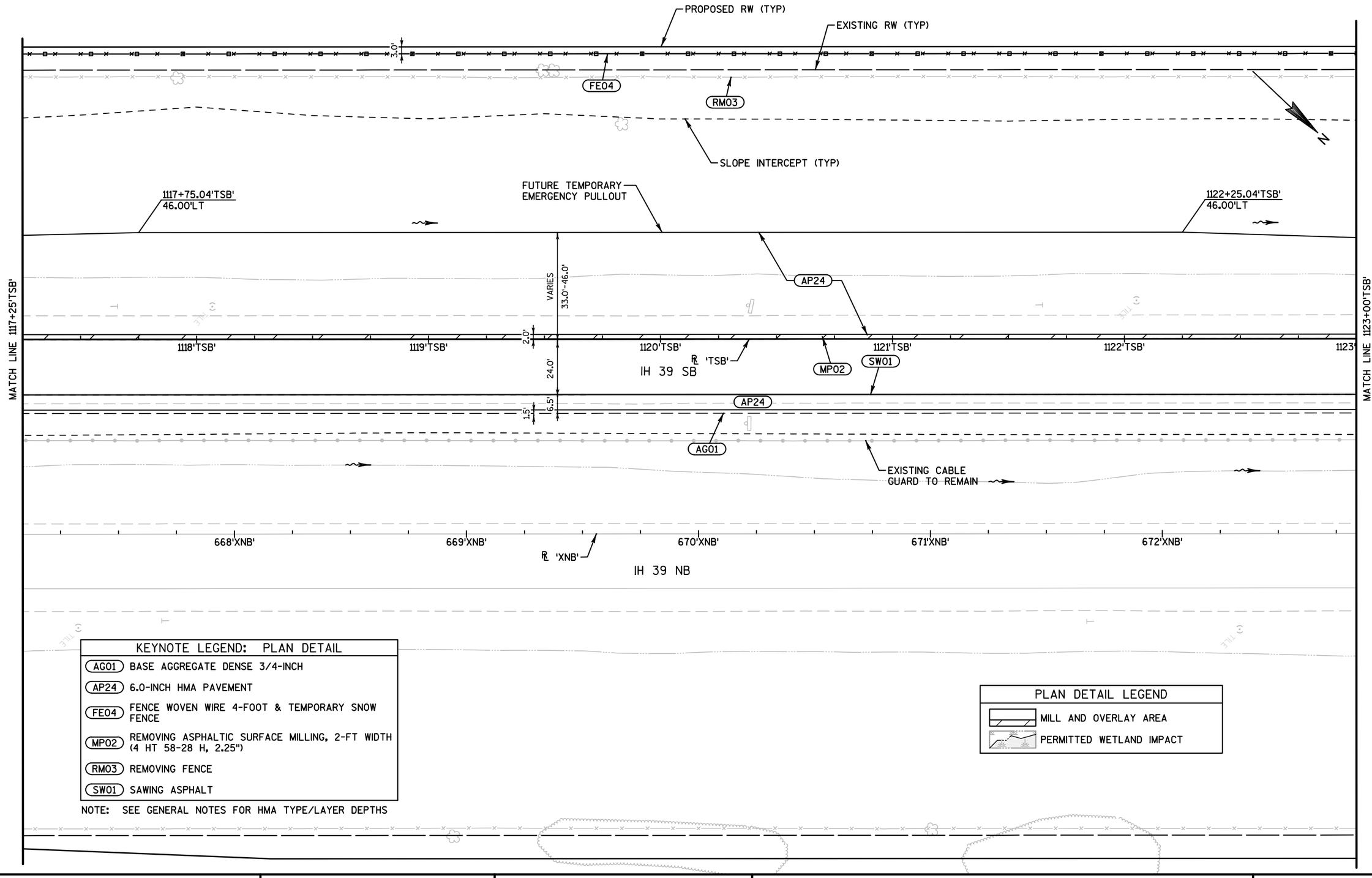
IH 39 NB

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

2



KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

2

1124+41.69'TSB'
123.00'LT

PROPOSED RW (TYP)

1127+66.72'TSB'
113.00'LT

3.0'

EXISTING RW (TYP)

FE04

RM03

SLOPE INTERCEPT (TYP)

FUTURE TEMPORARY
EMERGENCY PULLOUT

1126+00.04'TSB'
34.00'LT

1126+31.29'TSB'
33.00'LT

AG01

AP24

MATCH LINE 1123+00'TSB'

VARIES
33.0'-46.0'

2.0'

24.0'

IH 39 SB

TSB'

1124'TSB'

1125'TSB'

1126'TSB'

℄ 'TSB'

MP02

SW01

1127'TSB'

1128'TSB'

MATCH LINE 1128+75'TSB'

1.5'

6.5'

AP24

AG01

EXISTING CABLE
GUARD TO REMAIN

673'XNB'

674'XNB'

675'XNB'

℄ 'XNB'

IH 39 NB

676'XNB'

677'XNB'

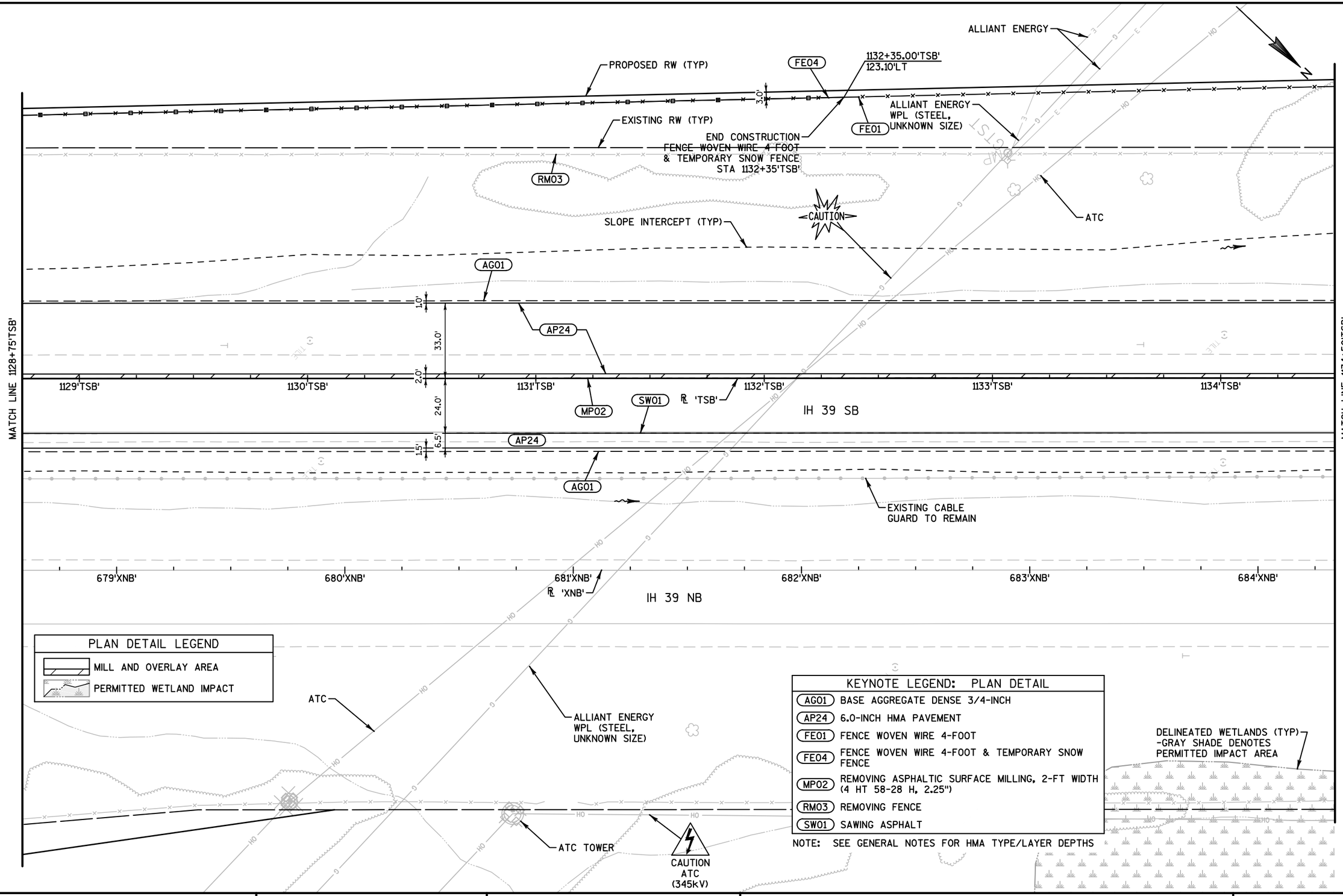
678'XNB'

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE04	FENCE WOVEN WIRE 4-FOOT & TEMPORARY SNOW FENCE
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

2



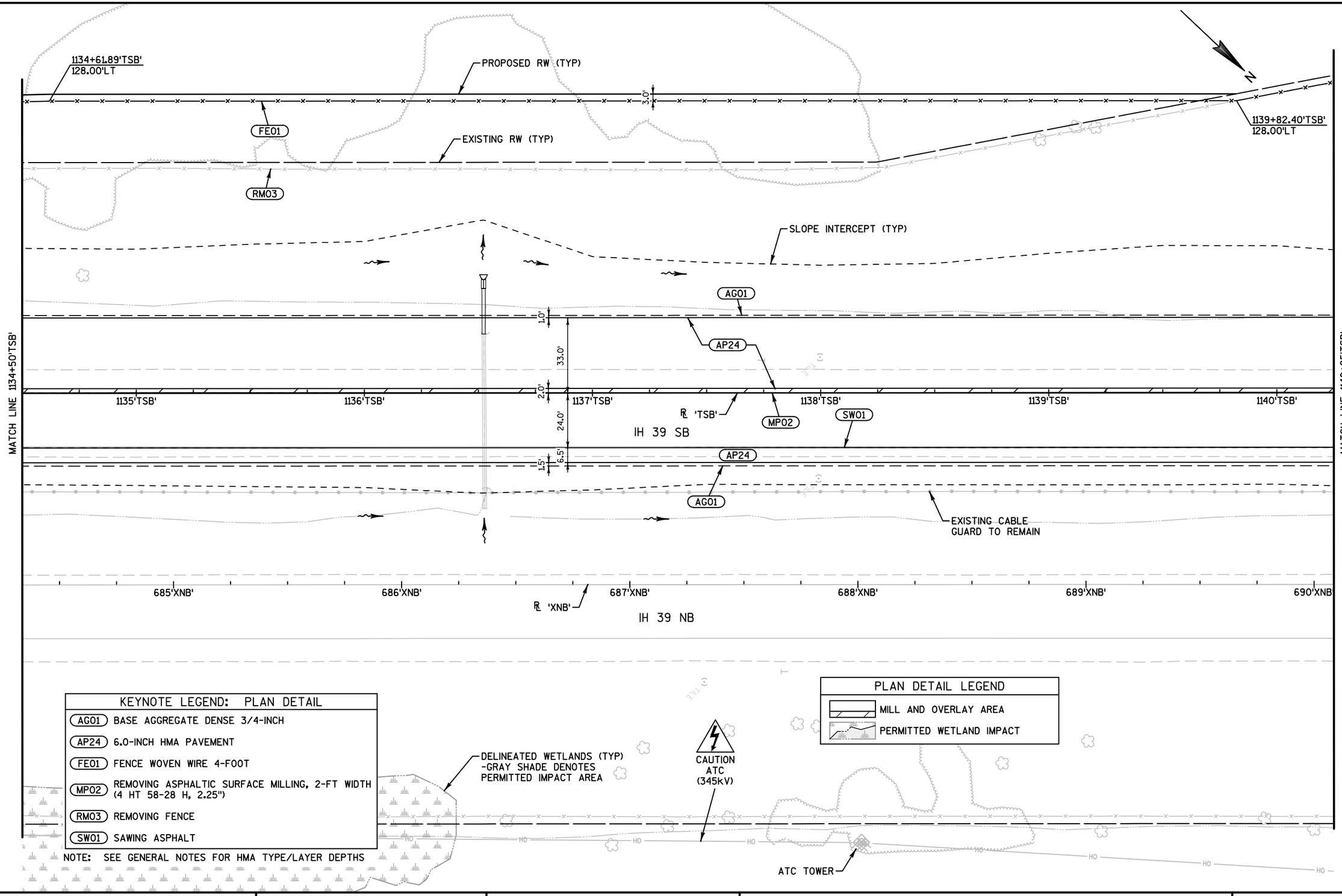
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 25 OF 48	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 1/31/2017 9:58 PM | PLOT BY : SEH | LAYOUT NAME : 25 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

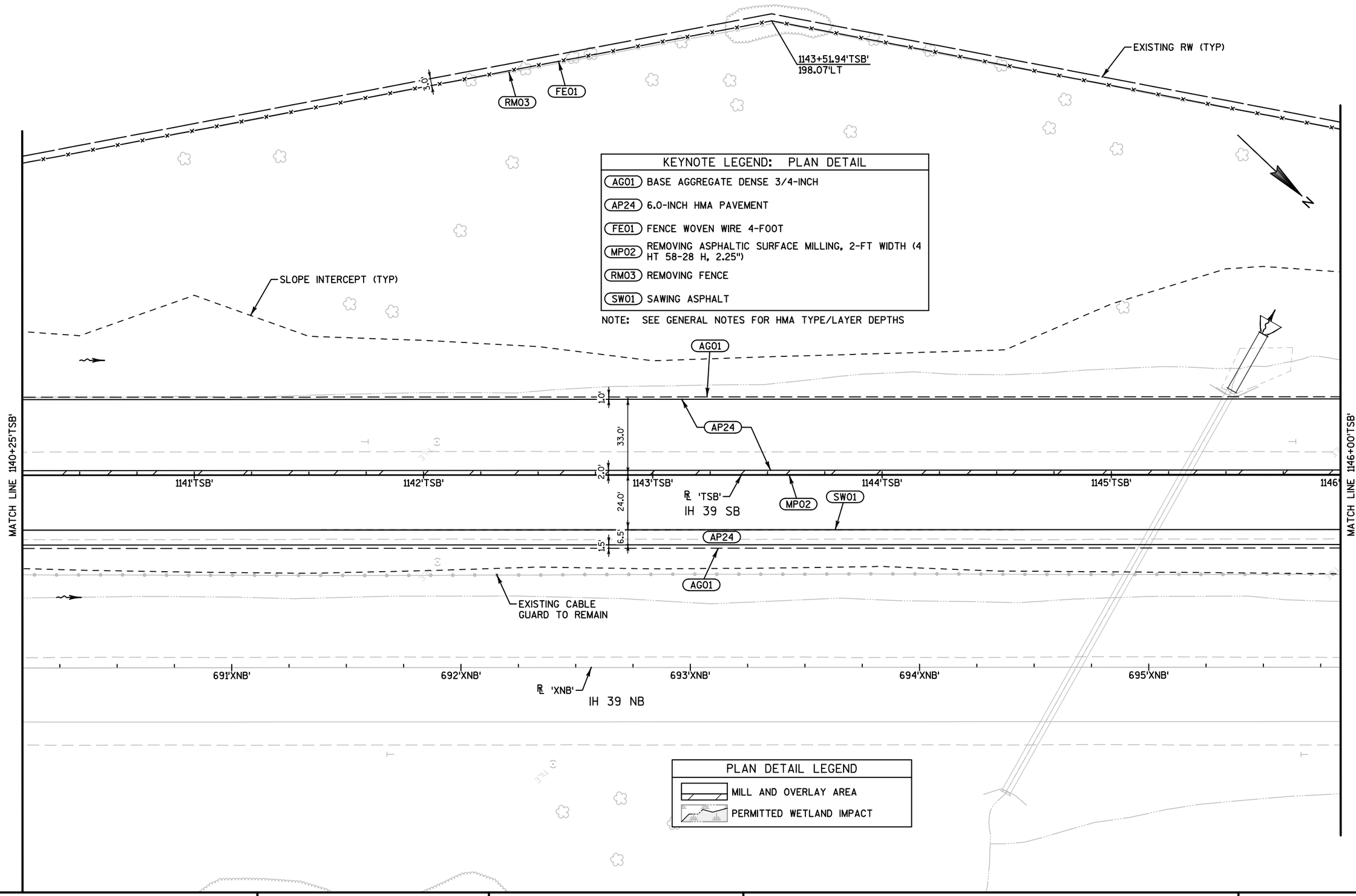
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007T001\SHEETSPLAN\1007T008\SEC 02 TYPICAL SECTIONS & DETAILS

2



SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

2



KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 1/31/2017 9:58 PM PLOT BY : SEH LAYOUT NAME : 27 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007108B\SEC 02 TYPICAL SECTIONS & DETAILS

STA 1147+00'TSB' TO STA 1151+00'TSB', LT
CLEARING AND GROUNDING REQ'D

TLE (TYP)

RM02

PROPOSED RW (TYP)

3.0'

FE01

1147+45.28'TSB'
123.00'LT

EXISTING RW (TYP)

RM03

SLOPE INTERCEPT (TYP)

AG01

AP24

1.0'
33.0'
2.0'
24.0'
1.5'
6.5'

MATCH LINE 1146+00'TSB'

1147'TSB'
1148'TSB'
1149'TSB'
℄ 'TSB'
IH 39 SB
1150'TSB'
1151'TSB'

MP02

SW01

MATCH LINE 1151+75'TSB'

EXISTING CABLE
GUARD TO REMAIN

696'XNB'
697'XNB'
698'XNB'
℄ 'XNB'
699'XNB'
700'XNB'
701'XNB'

IH 39 NB

KEYNOT LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM02	REMOVING BUILDING
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

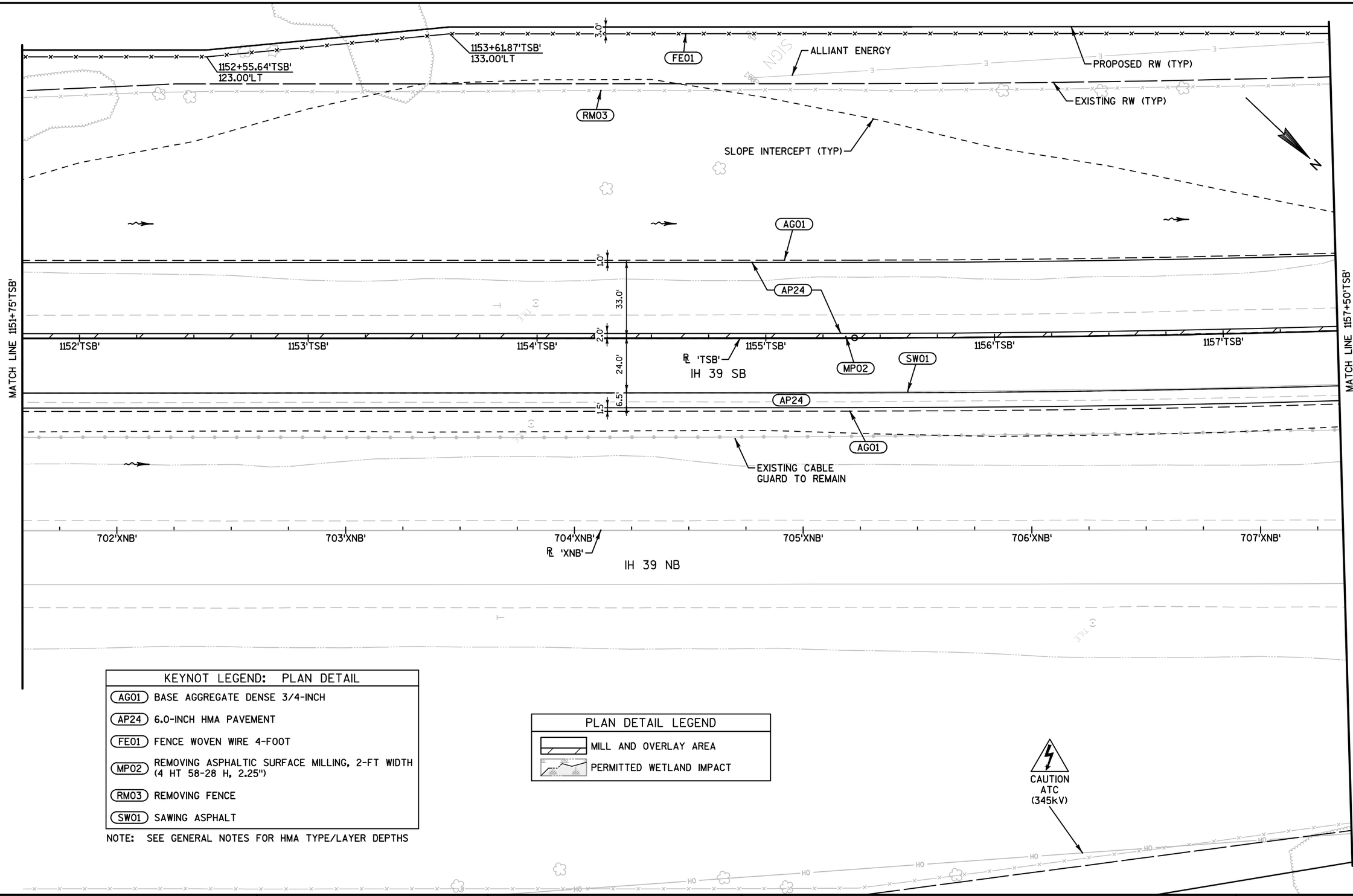
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 28 OF 48	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 1/31/2017 9:59 PM PLOT BY : SEH LAYOUT NAME : 28 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2



KEYNOT LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

PROPOSED RW (TYP)

ALLIANT ENERGY

EXISTING RW (TYP)

1157+61.96'TSB'
129.79'LT

FE01

3.0'

STA 1163+00'TSB' TO STA 1166+00'TSB', LT
CLEARING AND GRUBBING REQ'D

PLE

1162+18.53'TSB'
133.32'LT

RM03

SLOPE INTERCEPT (TYP)

DELINEATED WETLANDS (TYP)
-GRAY SHADE DENOTES
PERMITTED IMPACT AREA

N

AG01

AP24

RM04

MATCH LINE 1157+50'TSB'

1.0'
33.0'
2.0'
24.0'
1.5'
6.5'

1158'TSB'
1159'TSB'
1160'TSB'
1161'TSB'
1162'TSB'
1163'TSB'

℄ 'TSB'

MP02

SW01

IH 39 SB

MATCH LINE 1163+25'TSB'

1162+99.04'TSB'
30.00'RT

1162+99.04'TSB'
30.50'RT

EXISTING CABLE
GUARD TO REMAIN

EXISTING GUARD
RAIL TO REMAIN

AG01

708'XNB'
709'XNB'
710'XNB'
711'XNB'
712'XNB'
713'XNB'

AP24

℄ 'XNB'

IH 39 NB

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

CAUTION
ATC
(345kV)

ATC TOWER

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 30 OF 48	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 2/1/2017 8:00 AM PLOT BY : SEH LAYOUT NAME : 30 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

PLE

STA 1163+00'TSB' TO STA 1166+00'TSB', LT
CLEARING AND GRUBBING REQ'D

PROPOSED RW (TYP)

3.0'

EXISTING RW (TYP)

FE01

ALLIANT ENERGY

RM03

SLOPE INTERCEPT (TYP)

DELINEATED WETLANDS (TYP)
-GRAY SHADE DENOTES
PERMITTED IMPACT AREA

STA 1168+00'TSB' TO STA 1171+00'TSB', LT
CLEARING AND GRUBBING REQ'D

1166+50.90'TSB'
130.59'LT

1168+94.39'TSB'
111.65'LT

AG01

AP24

RM04

1.0'

33.0'

2.0'

24.0'

6.0'

MATCH LINE 1163+25'TSB'

1164'TSB'

1165'TSB'

1166'TSB'

℄ 'TSB'

1167'TSB'

1168'TSB'

1169'

MATCH LINE 1169+00'TSB'

IH 39 SB

MP02

SW01

AP24

EXISTING GUARD
RAIL TO REMAIN

EXISTING GUARD
RAIL TO REMAIN

EXISTING CABLE
GUARD TO REMAIN

714'XNB'

715'XNB'

716'XNB'

℄ 'XNB'

IH 39 NB

717'XNB'

718'XNB'

719'

CHARTER COM

ALLIANT ENERGY

AT&T

DROTNING RD

54"DR

NOTE: SEE PAGE 48 OF 48
FOR DROTNING RF DETAILS

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 31 OF 48	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 1/31/2017 9:59 PM PLOT BY : SEH LAYOUT NAME : 31 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

STA 1168+00'TSB' TO STA 1171+00'TSB', LT
CLEARING AND GRUBBING REQ'D

NOTE: SEE PAGE 48 OF 48
FOR DROTNING RD DETAILS

ALLIANT ENERGY
AT&T
CHARTER COM
ALLIANT ENERGY
EXISTING RW (TYP)
SLOPE INTERCEPT (TYP)
DELINEATED WETLANDS (TYP)
-GRAY SHADE DENOTES
PERMITTED IMPACT AREA
DROTNING RD
MATCH LINE 1169+00'TSB'
MATCH LINE 1174+75'TSB'
IH 39 SB
IH 39 NB
EXISTING GUARD
RAIL TO REMAIN
B-13-146
B-13-147
R=7507.50'
R=7631.98'
48'DR'
49'DR'
50'DR'
51'DR'
52'DR'
1171+52.41'TSB'
111.99'LT
1170+24.34'TSB'
112.00'LT
1170+46.51'TSB'
35.32'LT
1170+24.67'TSB'
33.00'LT
1169+86.09'TSB'
32.00'LT
1169+17.53'TSB'
33.00'LT
1169+44.21'TSB'
8.00'LT
1169+44.24'TSB'
3.85'LT
1169+44.32'TSB'
20.00'RT
1169+44.34'TSB'
25.90'RT
1170+33.08'TSB'
32.00'LT
1170+30.41'TSB'
30.00'LT
1170+01.11'TSB'
8.00'LT
1171+85.78'TSB'
8.00'LT
1171+98.85'TSB'
4.00'LT
1171+98.75'TSB'
19.43'RT
1171+98.73'TSB'
26.50'RT
1172+17.36'TSB'
35.26'LT
1172+19.43'TSB'
32.00'LT
1172+31.55'TSB'
32.00'LT
1172+55.61'TSB'
32.00'LT
1172+31.62'TSB'
32.00'LT
1172+31.62'TSB'
30.00'LT
1172+31.62'TSB'
8.00'LT
1173+48.02'TSB'
125.45'LT
1173+75.96'TSB'
33.00'LT
720'XNB'
721'XNB'
722'XNB'
723'XNB'
VARIES
32.0'-34.0'
VARIES
19.4'-24.0'
4.0'
2.0'
7.0'

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
BG07	MGS THRIE BEAM TRANSITION
BG08	MGS GUARDRAIL 3
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
PV01	CONCRETE PAVEMENT APPROACH SLAB
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT
SW02	SAWING CONCRETE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 32 OF 48	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I088\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG
PLOT DATE : 1/31/2017 9:59 PM
PLOT BY : SEH
LAYOUT NAME : 32
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

2

SAVE FOLDER PATH: \\SEHMADISONN\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

PLE (TYP)

R=7492.51'

1178+01.31'TSB'
122.92'LT

EXISTING RW (TYP)

3.0'

RM03

FE01

DELINEATED WETLANDS (TYP)
-GRAY SHADE DENOTES
PERMITTED IMPACT AREA

1175+24.12'TSB'
78.00'LT

TS01

1175+51.61'TSB'
78.00'LT

1175+24.12'TSB'
50.00'LT

1175+50.89'TSB'
50.00'LT

AG01

BG08

1174+95.23'TSB'
34.00'LT

1176+99.96'TSB'
34.00'LT

1178+84.76'TSB'
39.57'LT

1179+09.28'TSB'
43.76'LT

1179+09.40'TSB'
36.80'LT

1178+59.61'TSB'
38.00'LT

BG09

1180+44.69'TSB'
37.91'LT

MATCH LINE 1174+75'TSB'

4.0'

34.0'

2.0'

24.0'

1.5'

6.5'

AP24

RM04

1178+59.83'TSB'
34.01'LT

1175'TSB'

1176'TSB'

1177'TSB'

1178'TSB'

1179'TSB'

1180'TSB'

MP02

SW01

℄ 'TSB'
IH 39 SB

AP24

AG01

1178+99.81'TSB'
32.00'RT

MATCH LINE 1180+50'TSB'

SLOPE INTERCEPT (TYP)

725'XNB'

726'XNB'

727'XNB'

℄ 'XNB'

728'XNB'

IH 39 NB

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
BG08	MGS GUARDRAIL 3
BG09	MGS GUARDRAIL TERMINAL EAT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT
TS01	TEMPORARY SHORING, LEFT IN PLACE

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 33 OF 48	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 1/31/2017 10:00 PM | PLOT BY : SEH | LAYOUT NAME : 33 | PLOT SCALE : 1.0 IN = 40.0 FT

EXISTING RW (TYP)

STA 1182+00'TSB' TO STA 1183+50'TSB', LT
CLEARING AND GRUBBING REQ'D

PROPOSED RW (TYP)

3.0'

1182+56.69'TSB'
122.86'LT

RM03

FE01

DELINEATED WETLANDS (TYP)
-GRAY SHADE DENOTES
PERMITTED IMPACT AREA

N

FUTURE TEMPORARY
EMERGENCY PULLOUT

1183+99.97'TSB'
46.00'LT

MATCH LINE 1180+50'TSB'

VARIES
34.0'-46.0'

AP24

RM04

2.0'

24.0'

6.5'

1181'TSB'

1182'TSB'

1183'TSB'

1184'TSB'

1185'TSB'

1186'TSB'

MP02

SW01

℄ 'TSB'

IH 39 SB

AP24

MATCH LINE 1186+25'TSB'

SLOPE INTERCEPT (TYP)

731'XNB'

732'XNB'

733'XNB'

734'XNB'

735'XNB'

736'XNB'

℄ 'XNB'

IH 39 NB

PLAN DETAIL LEGEND
MILL AND OVERLAY AREA
PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG
PLOT DATE : 1/31/2017 10:00 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\1007I001\SHEETSPLAN\1007I08\SEC 02 TYPICAL SECTIONS & DETAILS

2

PROPOSED RW (TYP)

EXISTING RW (TYP)

3.0'

RM03

FE01

STA 1190+00'TSB' TO STA 1191+00'TSB', LT
CLEARING AND GRUBBING REQ'D

1189+97.85'TSB'
122.76'LT

N

SLOPE INTERCEPT (TYP)

FUTURE TEMPORARY
EMERGENCY PULLOUT

RIPRAP

1188+50.03'TSB'
46.00'LT

RM04

AP24

MATCH LINE 1186+25'TSB'

1187'TSB'

1188'TSB'

1189'TSB'

℄ 'TSB'

1190'TSB'

1191'TSB'

1192'

VARIES

46.0'-33.0'

2.0'

24.0'

6.5'

MP02

SW01

IH 39 SB

AP24

MATCH LINE 1192+00'TSB'

737'XNB'

738'XNB'

℄ 'XNB'

739'XNB'

740'XNB'

741'XNB'

742'XNB'

IH 39 NB

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 35 OF 48	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 1/31/2017 10:00 PM | PLOT BY : SEH | LAYOUT NAME : 35 | PLOT SCALE : 1.0 IN = 40.0 FT

STA 1192+50'TSB' TO STA 1194+00'TSB', LT
CLEARING AND GRUBBING REQ'D

STA 1195+00'TSB' TO STA 1203+50'TSB', LT
CLEARING AND GRUBBING REQ'D

1196+84.58'TSB'
313.00'LT

FE01

1197+82.38'TSB'
313.00'LT
(FENCE CORNER
NOT SHOWN)

PROPOSED RW (TYP)

EXISTING RW (TYP)

1195+84.79'TSB'
233.42'LT

RM03

N

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

1192+33.86'TSB'
34.00'LT

AG01

1192+60.80'TSB'
33.00'LT

AP24

MATCH LINE 1192+00'TSB'

TSB'

1193'TSB'

1194'TSB'

MP02

SW01

AP24

1.0'

33.0'

2.0'

24.0'

6.5'

1195'TSB'

℄ 'TSB'

IH 39 SB

1196'TSB'

1197'TSB'

MATCH LINE 1197+75'TSB'

SLOPE INTERCEPT (TYP)

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 36 OF 48	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 1/31/2017 10:00 PM | PLOT BY : SEH | LAYOUT NAME : 36 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

RM03

FE01

1198+82.38'TSB'
222.71'LT

EXISTING RW (TYP)

STA 1195+00'TSB' TO STA 1203+50'TSB', LT
CLEARING AND GRUBBING REQ'D

RM03

FE01

1202+94.34'TSB'
222.69'LT

MATCH EXISTING FENCE

2

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

N

1203+42.95'TSB'
71.90'LT

1203+49.42'TSB'
42.08'LT

AG01

1.0'

33.0'

2.0'

24.0'

6.5'

AP24

MP02

SW01

AP24

MATCH LINE 1197+75'TSB'

1198'TSB'

1199'TSB'

1200'TSB'

℄ 'TSB'

1201'TSB'

1202'TSB'

1203'TSB'

IH 39 SB

MATCH LINE 1203+50'TSB'

EXISTING MAINTENANCE
CROSSOVER TO REMAIN

SW01

SLOPE INTERCEPT (TYP)

749'XNB'

750'XNB'

℄ 'XNB'

751'XNB'

752'XNB'

753'XNB'

IH 39 NB

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 37 OF 48	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 3/6/2017 9:53 AM PLOT BY : SEH LAYOUT NAME : 37 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

2

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

N

CTH BN

49BN'

50BN'

51BN'

52BN'

ALLIANT ENERGY

MATCH EXISTING FENCE

PROPOSED RW (TYP)

EXISTING RW (TYP)

1206+08.66'TSB'
98.00'LT

3.0'

FE01

RM03

RM03

RM03

SLOPE INTERCEPT (TYP)

1205+44.18'TSB'
54.76'LT

1205+46.96'TSB'
43.27'LT

CG16

1203+65.68'TSB'
33.00'LT

1204+90.43'TSB'
33.00'LT

1203+95.68'TSB'
34.00'LT

1204+60.43'TSB'
34.00'LT

AG01

RM04

AP24

1.0'

33.0'

2.0'

24.0'

6.5'

SW01

MP02

AP24

MATCH LINE 1203+50'TSB'

MATCH LINE 1209+25'TSB'

1204'TSB'

1205'TSB'

1206'TSB'

1207'TSB'

1208'TSB'

1209'TSB'

℄ 'TSB'

IH 39 SB

EXISTING GUARD RAIL TO REMAIN

754'XNB'

755'XNB'

756'XNB'

757'XNB'

℄ 'XNB'

IH 39 NB

ALLIANT ENERGY

RIPRAP

B-13-718

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CG16	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 38 OF 48	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 3/6/2017 9:53 AM PLOT BY : SEH LAYOUT NAME : 38 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

STA 1210+00'TSB' TO STA 1213+00'TSB', LT
CLEARING AND GRUBBING REQ'D

PLAN DETAIL LEGEND
- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT

N

PROPOSED RW (TYP)
EXISTING RW (TYP)
SLOPE INTERCEPT (TYP)
3.0'
1209+58.59'TSB'
113.00'LT
1212+58.68'TSB'
113.00'LT
FE01
RM03
AG01
AP24
SW01
MP02

MATCH LINE 1209+25'TSB'
MATCH LINE 1215+00'TSB'

1.0'
33.0'
2.0'
24.0'
VARIES
6.5'-18.5'

1210'TSB' 1211'TSB' 1212'TSB' 1213'TSB' 1214'TSB' 1215'
℄ 'TSB'
IH 39 SB

1209+49.96'TSB'
30.50'RT
1213+24.96'TSB'
42.50'RT
FUTURE TEMPORARY
EMERGENCY PULLOUT

760'XNB' 761'XNB' 762'XNB' 763'XNB' 764'XNB' 765'XNB'
℄ 'XNB'
IH 39 NB

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 39 OF 48	SHEET E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 3/6/2017 9:54 AM PLOT BY : SEH LAYOUT NAME : 39 PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

2

STA 1216+00'TSB' TO STA 1219+00'TSB', LT
CLEARING AND GRUBBING REQ'D

PROPOSED RW (TYP)

1215+08.68'TSB'
138.00'LT

1217+08.49'TSB'
138.00'LT

FE01

3.0'

EXISTING RW (TYP)

SLOPE INTERCEPT (TYP)

N

AT&T

RM03

AG01

1.0'

AP24

33.0'

2.0'

24.0'

18.5'

MATCH LINE 1215+00'TSB'

1216'TSB'

1217'TSB'

1218'TSB'

℄ 'TSB'

1219'TSB'

1220'TSB'

MATCH LINE 1220+75'TSB'

SW01

MP02

IH 39 SB

1217+75.03'TSB'
42.50'RT

FUTURE TEMPORARY
EMERGENCY PULLOUT

766'XNB'

767'XNB'

℄ 'XNB'

768'XNB'

769'XNB'

770'XNB'

771'XNB'

IH 39 NB

DELINEATED WETLANDS (TYP)
-GRAY SHADE DENOTES
PERMITTED IMPACT AREA

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

AT&T

HO

LP

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 3/6/2017 9:54 AM | PLOT BY : SEH | LAYOUT NAME : 40 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

PROPOSED RW (TYP)

STA 1221+50'TSB' TO STA 1224+50'TSB', LT
CLEARING AND GRUBBING REQ'D

1220+83.51'TSB'
128.00'LT

3.0'

FE01

1223+73.38'TSB'
132.39'LT

MATCH EXISTING FENCE

EXISTING RW (TYP)

AT&T

SLOPE INTERCEPT (TYP)

RM03

CHURCH ST

ALLIANT ENERGY

3'CSD'

49'CS'

50'CSD'

N

1226+47.04'TSB'
69.10'LT

1226+47.04'TSB'
54.30'LT

1224+53.55'TSB'
51.32'LT

1224+86.52'TSB'
45.95'LT

1224+58.03'TSB'
36.50'LT

1225+50.12'TSB'
36.51'LT

CB99

1224+33.03'TSB'
34.00'LT

1224+89.87'TSB'
43.76'LT

1224+23.03'TSB'
33.00'LT

1225+49.99'TSB'
35.00'LT

1224+58.03'TSB'
35.00'LT

AG01

AP24

1.0'

33.0'

2.0'

24.0'

6.5'

MATCH LINE 1220+75'TSB'

MATCH LINE 1226+50'TSB'

1221'TSB'

1222'TSB'

1223'TSB'

1224'TSB'

1225'TSB'

1226'TSB'

℄ 'TSB'
IH 39 SB

SW01

MP02

FUTURE TEMPORARY
EMERGENCY PULLOUT

1223+00.03'TSB'
30.50'RT

EXISTING GUARD
RAIL TO REMAIN

772'XNB'

773'XNB'

774'XNB'

775'XNB'

776'XNB'

℄ 'XNB'

IH 39 NB

B-13-719

WISDOT

WISDOT

WISDOT

CAUTION
ATC
(345kV)

ATC TOWER

PLAN DETAIL LEGEND

- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT

KEYNOTE LEGEND: PLAN DETAIL

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CB99	TEMPORARY CONCRETE BARRIER, LEFT IN PLACE
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

2

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 41 OF 48	SHEET E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 3/6/2017 9:54 AM PLOT BY : SEH LAYOUT NAME : 41 PLOT SCALE : 1.0 IN = 40.0 FT

2

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

TLE (TYP)

MATCH EXISTING FENCE

4'CSD'

5'CSD'

6'CSD'

ALLIANT ENERGY

EXISTING RW (TYP)

7'CSD'

8'CSD'

9'CSD'

12.0'

3.0'

1226+92.69'TSB'
112.59'LT

RM03

FE01

1228+39.99'TSB'
112.58'LT

N

8+75.00'CSD'
6.00'LT

TLE (TYP)

DR04

BEGIN CONSTRUCTION
STA 8+75.00'CSD'

1231+68.04'TSB'
142.57'LT

8+75.00'CSD'
6.00'RT

SLOPE INTERCEPT (TYP)

1230+00.00'TSB'
46.79'LT

1230+24.76'TSB'
44.88'LT

1230+75.00'TSB'
46.00'LT

FUTURE TEMPORARY
EMERGENCY PULLOUT

CB99

1.5'

JJ

1229+99.93'TSB'
45.28'LT

RM04

AP24

VARIES
35.0'-45.3'

2.0'

24.0'

6.5'

MATCH LINE 1226+50'TSB'

1227'TSB'

1228'TSB'

1229'TSB'

1230'TSB'

1231'TSB'

1232'TSB'

℄ 'TSB'

IH 39 SB

SW01

MP02

MATCH LINE 1232+25'TSB'

EXISTING GUARD
RAIL TO REMAIN

51'CS'

777'XNB'

778'XNB'

779'XNB'

780'XNB'

781'XNB'

782'XNB'

℄ 'XNB'

IH 39 NB

B-13-719

52'CS'

CHURCH ST

KEYNOTE LEGEND: PLAN DETAIL

AP24	6.0-INCH HMA PAVEMENT
CB99	TEMPORARY CONCRETE BARRIER, LEFT IN PLACE
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

STA 1233+50'TSB' TO STA 1236+50'TSB', LT
CLEARING AND GRUBBING REQ'D

KEYNOTE LEGEND: PLAN DETAIL	
AP24	6.0-INCH HMA PAVEMENT
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND
- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT

10+90.00'CSD'
6.00'LT

11'CSD'

10+90.00'CSD'
6.00'RT

END CONSTRUCTION
STA 10+90.00'CSD'

TLE (TYP)

1234+28.62'TSB'
172.96'LT

DR04

10'CSD'

12.0'

FE01

2.0'

PROPOSED RW (TYP)

EXISTING RW (TYP)

1232+73.71'TSB'
142.54'LT

RM03

1236+58.33'TSB'
142.54'LT

1237+89.56'TSB'
142.54'LT

SLOPE INTERCEPT (TYP)

FUTURE TEMPORARY
EMERGENCY PULLOUT

1235+25.00'TSB'
46.00'LT

AP24

MATCH LINE 1232+25'TSB'

MATCH LINE 1238+00'TSB'

46.0'

2.0'

24.0'

6.5'

1233'TSB' 1234'TSB' 1235'TSB' 1236'TSB' 1237'TSB' 1238

℄ 'TSB'

IH 39 SB

MP02

SW01

AP24

SLOPE INTERCEPT (TYP)

783'XNB' 784'XNB' 785'XNB' 786'XNB' 787'XNB' 788'XNB'

℄ 'XNB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 43 OF 48	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 1/31/2017 10:02 PM | PLOT BY : SEH | LAYOUT NAME : 43 | PLOT SCALE : 1.0 IN = 40.0 FT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I088\SEC 02 TYPICAL SECTIONS & DETAILS

2

STA 1240+50'TSB' TO STA 1241+50'TSB', LT
CLEARING AND GRUBBING REQ'D

DELINEATED WETLANDS (TYP) -GRAY SHADE DENOTES PERMITTED IMPACT AREA

EXISTING RW (TYP)

PLE (TYP)

PROPOSED RW (TYP)

FE01

RM03

1239+58.09'TSB'
102.53'LT

1240+78.46'TSB'
95.31'LT

3.0'

FE01

SLOPE INTERCEPT (TYP)

C-13-3084 STG 1

RM03

1239+00.00'TSB'
34.00'LT

1239+31.25'TSB'
33.00'LT

AG01

1.0'

33.0'

AP24

2.0'

MATCH LINE 1238+00'TSB'

TSB'

1239'TSB'

1240'TSB'

1241'TSB'

℄ 'TSB'

1242'TSB'

1242+26.73'TSB'
0.00'RT

1243'TSB'

IH 39 SB

24.0'

MP02

SW01

AP24

1241+78.15'TSB'
24.00'RT

6.5'

MATCH LINE 1243+75'TSB'

SW01

EXISTING MAINTENANCE CROSSOVER TO REMAIN

1242+26.73'TSB'
30.50'RT

789'XNB'

790'XNB'

℄ 'XNB'

791'XNB'

792'XNB'

793'XNB'

794'XNB'

IH 39 NB

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

PLAN DETAIL LEGEND

MILL AND OVERLAY AREA

PERMITTED WETLAND IMPACT

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 44 OF 48	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG | PLOT DATE : 1/31/2017 10:02 PM | PLOT BY : SEH | LAYOUT NAME : 44 | PLOT SCALE : 1.0 IN = 40.0 FT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

SB TEMPORARY WIDENING WORK CONSTRUCTED UNDER PROJECT ID 1007-10-84

PROPOSED RW (TYP)

1246+00.00'TSB'
86.17'LT

3.0'

FE01

EXISTING RW (TYP)

DELINEATED WETLANDS (TYP)
-GRAY SHADE DENOTES
PERMITTED IMPACT AREA

N

RM03

AG01

1246+00.00'TSB'
33.00'LT

1.0'

MATCH LINE 1243+75'TSB'

AP24

33.0'

VARIES 33'-25.2'

25.2'

1246+00.00'TSB'
7.80'LT

2.0'

VARIES 0'-7.8'

1244'TSB'

1245'TSB'

1246'TSB'

1247'TSB'

1248'TSB'

1249'TSB'

℄ 'TSB'

IH 39 SB

MP02

SW01

30.5'

VARIES 24'-15.8'

VARIES 6.5'-14.7'

AP24

CP10

1246+00.00'TSB'
15.83'RT

END PROJECT 1007-10-88
BEGIN PROJECT 1007-10-84
STA 1246+00.00'TSB'

1246+00.00'TSB'
30.50'RT

SLOPE INTERCEPT (TYP)

FUTURE CROSSOVER LOCATION

795'XNB'

796'XNB'

℄ 'XNB'

797'XNB'

798'XNB'

799'XNB'

800'XNB'

IH 39 NB

PLAN DETAIL LEGEND
MILL AND OVERLAY AREA
PERMITTED WETLAND IMPACT

CAUTION
ATC
(345kV)

ATC TOWER

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP24	6.0-INCH HMA PAVEMENT
CP10	CONCRETE PAVEMENT 10-INCH
FE01	FENCE WOVEN WIRE 4-FOOT
MP02	REMOVING ASPHALTIC SURFACE MILLING, 2-FT WIDTH (4 HT 58-28 H, 2.25")
RM03	REMOVING FENCE
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA TYPE/LAYER DEPTHS

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 45 OF 48	SHEET	E

FILE NAME : 021200_PD (PLAN DETAILS TSB).DWG PLOT DATE : 1/31/2017 10:02 PM PLOT BY : SEH LAYOUT NAME : 45 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP13	3.5-INCH HMA PAVEMENT
CB99	TEMPORARY CONCRETE BARRIER, LEFT IN PLACE
CC01	CRASH CUSHIONS TEMPORARY
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA LAYER/TYPE

PLAN DETAIL LEGEND
- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT

N

PROPOSED RW (TYP)
EXISTING RW (TYP)
SLOPE INTERCEPT (TYP)
CTH B
FRONTIER COM
ALLIANT ENERGY
IH 39 NB
IH 39 SB
PLE (TYP)
TLE (TYP)
DELINEATED WETLANDS (TYP)
-GRAY SHADE DENOTES
PERMITTED IMPACT AREA
℄ 'B'
℄ 'XNB'
℄ 'TSB'
B-13-164
B-13-165
48'B'+04.91 15.00'LT
47'B'+94.91 14.00'LT
48'B'+29.91 17.50'LT
48'B'+29.91 16.00'LT
48'B'+29.62 15.00'RT
48'B'+19.62 14.00'RT
48'B'+54.62 16.00'RT
48'B'+54.62 17.50'RT
52'B'+68.91 17.50'LT
52'B'+93.37 15.00'LT
52'B'+68.91 16.00'LT
53'B'+03.60 14.00'LT
52'B'+54.62 16.00'RT
52'B'+89.72 14.00'RT
52'B'+54.62 17.50'RT
52'B'+79.69 15.00'RT
48'B' 49'B' 50'B' 51'B' 52'B' 53'B'
13.0' 4.5' 13.0' 4.5'
1045'TSB' 1044'TSB' 1043'TSB' 1042'TSB' 1041'TSB'
594'XNB' 593'XNB' 592'XNB' 591'XNB' 590'XNB'
CONC ASPH

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP13	3.5-INCH HMA PAVEMENT
CB99	TEMPORARY CONCRETE BARRIER, LEFT IN PLACE
CC01	CRASH CUSHIONS TEMPORARY
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA LAYER/TYPE

PROPOSED RW (TYP)
EXISTING RW (TYP)
SLOPE INTERCEPT (TYP)
ALLIANT ENERGY
FRONTIER COM
B-13-148
B-13-149
℄ 'W'
℄ 'TSB'
℄ 'XNB'
CONC
ASPH
IH 39 SB
IH 39 NB
CTH W
1106'TSB'
1105'TSB'
1104'TSB'
1103'TSB'
1102'TSB'
1101'TSB'
657'XNB'
656'XNB'
655'XNB'
654'XNB'
653'XNB'
652'XNB'
48+09.78'W' 12.00'LT
48+39.26'W' 15.00'LT
48+64.26'W' 16.00'LT
48+64.26'W' 17.50'LT
47+60.09'W' 12.00'RT
48+15.27'W' 16.00'RT
47+88.24'W' 15.00'RT
48+15.27'W' 17.50'RT
53+14.26'W' 17.50'LT
53+14.26'W' 16.00'LT
53+39.26'W' 15.00'LT
53+69.26'W' 12.00'LT
52+15.27'W' 16.00'RT
52+40.27'W' 15.00'RT
52+70.27'W' 12.00'RT
52+15.27'W' 17.50'RT
48'W' 49'W' 50'W' 51'W' 52'W' 53'W'
6.5' 11.0' 11.0' 6.5'

PLAN DETAIL LEGEND	
	MILL AND OVERLAY AREA
	PERMITTED WETLAND IMPACT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS B-W-DR).DWG | PLOT DATE : 1/31/2017 10:04 PM | PLOT BY : SEH | LAYOUT NAME : 47 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP13	3.5-INCH HMA PAVEMENT
CB99	TEMPORARY CONCRETE BARRIER, LEFT IN PLACE
CC01	CRASH CUSHIONS TEMPORARY
RM04	REMOVING GUARDRAIL
SW01	SAWING ASPHALT

NOTE: SEE GENERAL NOTES FOR HMA LAYER/TYPE

PLAN DETAIL LEGEND
- MILL AND OVERLAY AREA
- PERMITTED WETLAND IMPACT

N

DELINEATED WETLANDS (TYP)
-GRAY SHADE DENOTES
PERMITTED IMPACT AREA

ATC

CAUTION
ATC
(345kV)

EXISTING RW (TYP)

PROPOSED RW (TYP)

B-13-146

B-13-147

48+50.50'DR'
12.00'LT

48+80.50'DR'
15.00'LT

CC01

49+05.51'DR'
17.50'LT

49+05.50'DR'
16.00'LT

AG01

49'DR'

50'DR'

CB99

SW01

51'DR'

AP13

52'DR'

RM04

53'DR'

DROTNING RD

53+67.98'DR'
17.50'LT

53+67.98'DR'
16.00'LT

54'DR'

53+92.98'DR'
15.00'LT

54+22.98'DR'
12.00'LT

53+96.45'DR'
16.00'RT

54+51.45'DR'
12.00'RT

54+21.45'DR'
15.00'RT

53+96.45'DR'
17.50'RT

49+35.10'DR'
15.00'RT

49+60.10'DR'
16.00'RT

49+05.10'DR'
12.00'RT

49+60.10'DR'
17.50'RT

SLOPE INTERCEPT (TYP)

AT&T

ALLIANT ENERGY

CHARTER COM

IH 39 NB

IH 39 SB

℄ 'DR'

℄ 'XNB'

℄ 'TSB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	PAGE 48 OF 48	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 021200_PD (PLAN DETAILS B-W-DR).DWG | PLOT DATE : 1/31/2017 10:04 PM | PLOT BY : SEH | LAYOUT NAME : 48 | PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B OVER SOIL STABILIZER TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

EXISTING R/W (TYP)

BEGIN PROJECT 1007-10-88
STA 994+73.22'TSB'

WORK CONSTRUCTED UNDER
PROJECT ID 1007-10-79

994'TSB' 996'TSB' 998'TSB' 1000'TSB' 1002'TSB' 1004

IH 39 SB

60"CPCS

MATCH LINE 1004+00'TSB'

540'XNB' 542'XNB' 544'XNB' 546'XNB' 548'XNB' 550'XNB' 552'XNB'

18"CPCS/12"LINER

IH 39 NB

WORK BY OTHERS
PROJECT ID 1007-11-75

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.

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

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

SLOPE INTERCEPT (TYP)

MATCH LINE 1004+00'TSB'

TSB' 1006'TSB' 1008'TSB' 1010'TSB' 1012'TSB' 1014'TSB' 1016'TSB' 1018'

MATCH LINE 1018+00'TSB'

IH 39 SB

18"CPRC

554'XNB' 556'XNB' 558'XNB' 560'XNB' 562'XNB' 564'XNB' 566'XNB'

IH 39 NB

18"CPCS

PROJECT NO:1007-10-88	HWY:IH 39	COUNTY:DANE	EROSION CONTROL PLAN	PAGE 01 OF 09	SHEET	E

SAVE FOLDER PATH:P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022000_EC (EROS CNTRL PLAN).DWG PLOT DATE : 3/3/2017 10:53 AM PLOT BY : SEH INC 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\1007I001\SHEETSPLAN\1007I08B\SEC 02

SEC 02 TYPICAL SECTIONS & DETAILS

2

2

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B OVER SOIL STABILIZER TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

MATCH LINE 1018+00'TSB'

TSB'

1020'TSB'

1022'TSB'

1024'TSB'

1026'TSB'

1028'TSB'

1030'TSB'

1032

568'XNB'

570'XNB'

572'XNB'

574'XNB'

576'XNB'

578'XNB'

580'XNB'

IH 39 SB

IH 39 NB

SLOPE INTERCEPT (TYP)

MATCH LINE 1032+00'TSB'

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

UTICA RD

SITE #D56C
0.03 ACRES M(D)
0.01 ACRES WS(D)
0.04 ACRES TOTAL

M(D) = DEGRADED WET MEADOW
WS(D) = DEGRADED WOODED SWAMP

18"CPCS/24"LINER

42"CPCS/36"LINER

48"CPCS/36"LINER

18"CPCS/12"LINER

18"x13"PAC

CTH B

MATCH LINE 1032+00'TSB'

TSB'

1034'TSB'

1036'TSB'

1038'TSB'

1040'TSB'

1042'TSB'

1044'TSB'

1046'TSB'

82'XNB'

584'XNB'

586'XNB'

588'XNB'

590'XNB'

592'XNB'

594'XNB'

596'XNB'

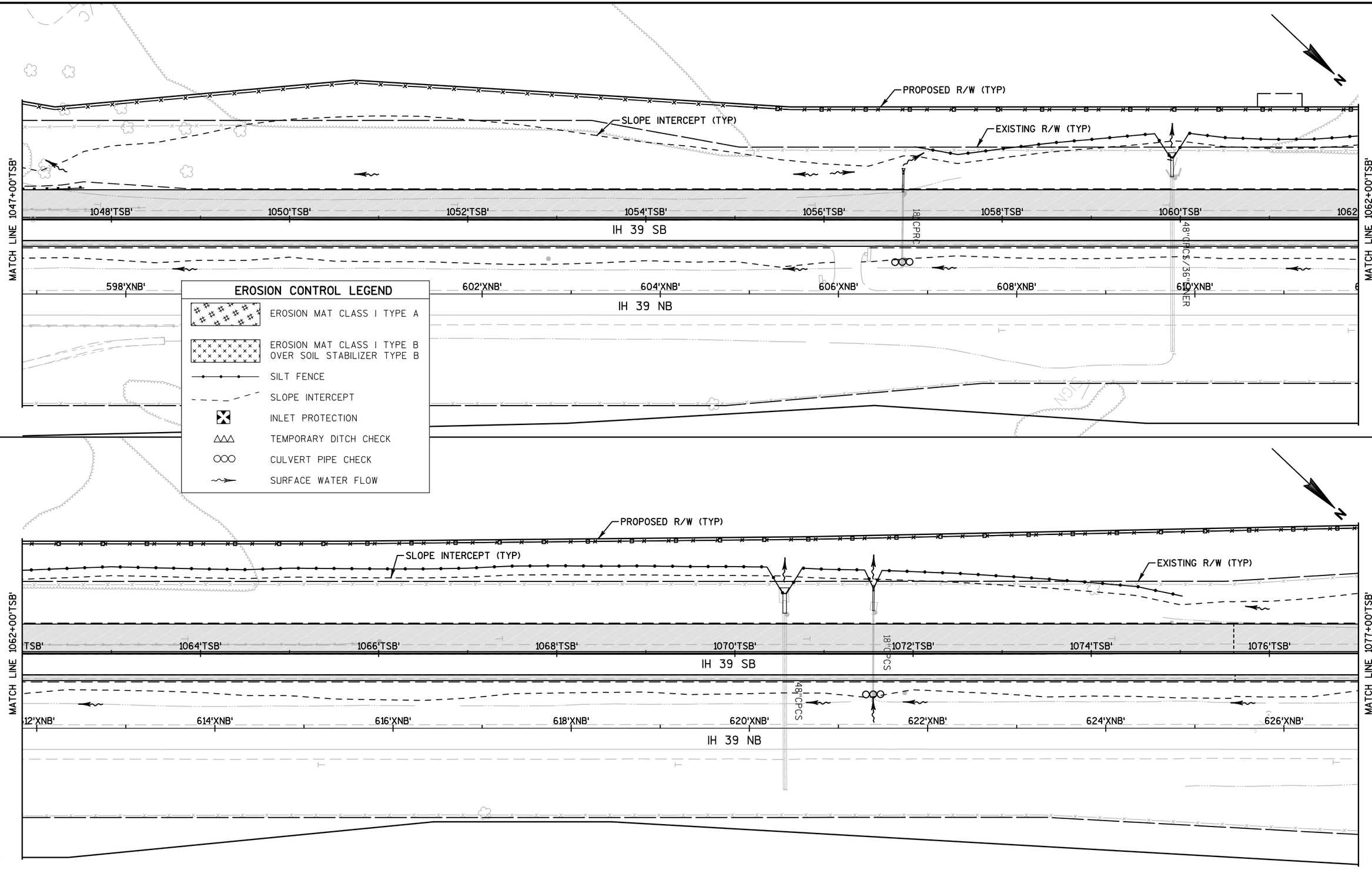
MATCH LINE 1047+00'TSB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 02 OF 09	SHEET	E

FILE NAME : 022000_EC (EROS CNTRL PLAN).DWG | PLOT DATE : 1/31/2017 10:06 PM | PLOT BY : SEH INC | LAYOUT NAME : 022002_EC | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2


PROPOSED R/W (TYP)
SLOPE INTERCEPT (TYP)
EXISTING R/W (TYP)
MATCH LINE 1047+00'TSB'
1048'TSB'
1050'TSB'
1052'TSB'
1054'TSB'
1056'TSB'
1058'TSB'
1060'TSB'
1062
IH 39 SB
18"CPRC
48"CPCS/36"CPCS
598'XNB'
602'XNB'
604'XNB'
606'XNB'
608'XNB'
610'XNB'
IH 39 NB
MATCH LINE 1062+00'TSB'
EROSION CONTROL LEGEND
EROSION MAT CLASS I TYPE A
EROSION MAT CLASS I TYPE B OVER SOIL STABILIZER TYPE B
SILT FENCE
SLOPE INTERCEPT
INLET PROTECTION
TEMPORARY DITCH CHECK
CULVERT PIPE CHECK
SURFACE WATER FLOW
PROPOSED R/W (TYP)
SLOPE INTERCEPT (TYP)
EXISTING R/W (TYP)
MATCH LINE 1062+00'TSB'
TSB'
1064'TSB'
1066'TSB'
1068'TSB'
1070'TSB'
1072'TSB'
1074'TSB'
1076'TSB'
IH 39 SB
18"CPCS
48"CPCS
12'XNB'
614'XNB'
616'XNB'
618'XNB'
620'XNB'
622'XNB'
624'XNB'
626'XNB'
IH 39 NB
MATCH LINE 1077+00'TSB'

2

2

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

SLOPE INTERCEPT (TYP)

MATCH LINE 1077+00'TSB'

1078'TSB' 1080'TSB' 1082'TSB' 1084'TSB' 1086'TSB' 1088'TSB' 1090'TSB' 1092

IH 39 SB

632'XNB' 634'XNB' 636'XNB' 638'XNB' 640'XNB'

18"CPRC

IH 39 NB

MATCH LINE 1092+00'TSB'

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B OVER SOIL STABILIZER TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROPOSED R/W (TYP)

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

MATCH LINE 1092+00'TSB'

TSB' 1094'TSB' 1096'TSB' 1098'TSB' 1100'TSB' 1102'TSB' 1104'TSB' 1106'TSB'

IH 39 SB

42'XNB' 644'XNB' 646'XNB' 648'XNB' 650'XNB' 652'XNB' 654'XNB' 656'XNB'

18"CPRC

18"CPCS

IH 39 NB

24"CPRC

CTH W

CTH W

MATCH LINE 1107+00'TSB'

PROJECT NO: 1007-10-88	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\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022000_EC (EROS CNTRL PLAN).DWG PLOT DATE : 1/31/2017 10:07 PM PLOT BY : SEH INC LAYOUT NAME : 022004_EC PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SITE *D57
0.02 ACRES M(D)
0.01 ACRES WS(D)
0.03 ACRES TOTAL

M(D) = DEGRADED WET MEADOW
WS(D) = DEGRADED WOODED SWAMP

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

SLOPE INTERCEPT (TYP)

MATCH LINE 1107+00'TSB'

1108'TSB' 1110'TSB' 1112'TSB' 1114'TSB' 1116'TSB' 1118'TSB' 1120'TSB' 1122'

IH 39 SB

36"CPCS

30"CPCS

662'XNB' 664'XNB' 666'XNB' 668'XNB' 670'XNB'

18"CPRC

IH 39 NB

MATCH LINE 1122+00'TSB'

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B OVER SOIL STABILIZER TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

SLOPE INTERCEPT (TYP)

MATCH LINE 1122+00'TSB'

TSB' 1124'TSB' 1126'TSB' 1128'TSB' 1130'TSB' 1132'TSB' 1134'TSB' 1136'TSB'

IH 39 SB

18"CPRC

72'XNB' 674'XNB' 676'XNB' 678'XNB' 680'XNB' 682'XNB' 684'XNB' 686'XNB'

IH 39 NB

18"CPRC

MATCH LINE 1137+00'TSB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 05 OF 09	SHEET E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007-10-01\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022000_EC (EROS CNTRL PLAN).DWG PLOT DATE : 1/31/2017 10:07 PM PLOT BY : SEH INC LAYOUT NAME : 022005_EC PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

SLOPE INTERCEPT (TYP)

MATCH LINE 1137+00'TSB'

1138'TSB' 1140'TSB' 1142'TSB' 1144'TSB' 1146'TSB' 1148'TSB' 1150'TSB' 1152'

IH 39 SB

688'XNB' 690'XNB' 694'XNB' 696'XNB' 698'XNB' 700'XNB'

IH 39 NB

48"CPCS

18"CPRC

MATCH LINE 1152+00'TSB'

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B OVER SOIL STABILIZER TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

SITE *D15
0.02 ACRES M(D)
0.02 ACRES TOTAL

M(D) = DEGRADED WET MEADOW

SITE *D15A
0.20 ACRES M(D)
0.20 ACRES TOTAL

M(D) = DEGRADED WET MEADOW

EROSION BALES (TYP)

PROPOSED R/W (TYP)

COMPOST TUBES

EXISTING R/W (TYP)

SLOPE INTERCEPT (TYP)

MATCH LINE 1152+00'TSB'

TSB' 1154'TSB' 1156'TSB' 1158'TSB' 1160'TSB' 1162'TSB' 1164'TSB' 1166'TSB'

IH 39 SB

48"CPCS

48"CPCS

716'XNB'

714'XNB'

712'XNB'

710'XNB'

02'XNB' 704'XNB' 706'XNB' 708'XNB'

IH 39 NB

18"CPRC

MATCH LINE 1167+00'TSB'

HO

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 06 OF 09	SHEET 77	E

FILE NAME : 022000_EC (EROS CNTRL PLAN).DWG PLOT DATE : 1/31/2017 10:07 PM PLOT BY : SEH INC LAYOUT NAME : 022006_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\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007108\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

2

2

SITE *D15A
0.20 ACRES M(D)
0.20 ACRES TOTAL

M(D) = DEGRADED WET MEADOW

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

EXISTING R/W (TYP)

EROSION
BALES (TYP)

MATCH LINE 1167+00'TSB'

DROTNING RD

1168'TSB'
1170'TSB'
1172'TSB'
1174'TSB'
1176'TSB'
1178'TSB'
1180'TSB'

IH 39 SB

718'XNB'
720'XNB'
722'XNB'
724'XNB'
726'XNB'

IH 39 NB

18"CPRC

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

18"CPCS/12"LINER

SITE *D14
0.23 ACRES RPE
0.80 ACRES M
0.11 ACRES WS
1.14 ACRES TOTAL

RPE = RIPARIAN WETLAND
M = WET MEADOW
WS = WOODED SWAMP

SLOPE
INTERCEPT (TYP)

EROSION
BALES (TYP)

MATCH LINE 1181+00'TSB'

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B OVER SOIL STABILIZER TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

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

SITE *D14
0.23 ACRES RPE
0.80 ACRES M
0.11 ACRES WS
1.14 ACRES TOTAL

RPE = RIPARIAN WETLAND
M = WET MEADOW
WS = WOODED SWAMP

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

SLOPE INTERCEPT (TYP)

30'

MATCH LINE 1181+00'TSB'

1182'TSB'
1184'TSB'
1186'TSB'
1188'TSB'
1190'TSB'
1192'TSB'
1194'TSB'
1196'

IH 39 SB

732'XNB'
734'XNB'
736'XNB'
738'XNB'
740'XNB'
742'XNB'
744'XNB'
746'XNB'

IH 39 NB

RIPRAP

18"CPRC

MATCH LINE 1196+00'TSB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 07 OF 09	SHEET 78	E

FILE NAME : 022000_EC (EROS CNTRL PLAN).DWG | PLOT DATE : 1/31/2017 10:08 PM | PLOT BY : SEH INC | LAYOUT NAME : 022007_EC | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

SLOPE INTERCEPT (TYP)

RIPRAP MEDIUM
L= 30 FT
W= 7 FT

RIPRAP MEDIUM
L= 12 FT
W= 8 FT

CTH BN

MATCH LINE 1196+00'TSB'

1196'TSB' 1198'TSB' 1200'TSB' 1202'TSB' 1204'TSB' 1206'TSB' 1208'TSB' 1210'TSB'

IH 39 SB

748'XNB' 750'XNB' 752'XNB' 754'XNB' 760'XNB'

IH 39 NB

18"CPRC

30"CPCS

30"CPCS/18"LINER

36"CPCS

MATCH LINE 1211+00'TSB'

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B OVER SOIL STABILIZER TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

CHURCH ST

N

PROPOSED R/W (TYP)

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

RIPRAP MEDIUM
L= 40 FT
W= 7.5 FT

MATCH LINE 1211+00'TSB'

1212'TSB' 1214'TSB' 1216'TSB' 1218'TSB' 1220'TSB' 1222'TSB' 1224'TSB' 1226

IH 39 SB

762'XNB' 764'XNB' 766'XNB' 768'XNB' 770'XNB' 772'XNB' 774'XNB' 776'XNB'

IH 39 NB

18"CPRC

48"CPCS

30"CPRC

MATCH LINE 1226+00'TSB'

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 08 OF 09	SHEET	E

FILE NAME : 022000_EC (EROS CNTRL PLAN).DWG PLOT DATE : 3/6/2017 9:31 AM PLOT BY : SEH INC LAYOUT NAME : 022008_EC PLOT SCALE : 1.0 IN = 100.0 FT

2

2

MATCH LINE 1226+00'TSB'

MATCH LINE 1241+00'TSB'

EXISTING R/W (TYP)

PROPOSED R/W (TYP)

SLOPE INTERCEPT (TYP)

RIPRAP MEDIUM
L= 15 FT
W= 6 FT

COMPOST TUBES

30'

SITE *D12 (1007-10-88)
0.01 ACRES SS
0.02 ACRES M
0.01 ACRES SM
0.01 ACRES WS
0.05 ACRES TOTAL

SS = SHRUB SWAMP
M = WET MEADOW
SM = SHALLOW MARSH
WS = WOODED SWAMP

HEAVY RIPRAP
SEE STRUCTURE
PLANS

C-13-3084

7.0'(W)X8.0'(H) "BOX
C-13-154

18"CPRC

1226'TSB' 1228'TSB' 1230'TSB' 1232'TSB' 1234'TSB' 1236'TSB' 1238'TSB' 1240'TSB'

IH 39 SB

778'XNB' 780'XNB' 782'XNB' 784'XNB' 786'XNB' 788'XNB' 790'XNB'

IH 39 NB

CHURCH ST

SITE *D12 (1007-10-88)
0.01 ACRES SS
0.02 ACRES M
0.01 ACRES SM
0.01 ACRES WS
0.05 ACRES TOTAL

SS = SHRUB SWAMP
M = WET MEADOW
SM = SHALLOW MARSH
WS = WOODED SWAMP

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

PROPOSED R/W (TYP)

EXISTING R/W (TYP)

1256'TSB'

1254'TSB'

1252'TSB'

1250'TSB'

1248'TSB'

1246'TSB'

1244'TSB'

1242'TSB'

30"CPSP

SLOPE INTERCEPT (TYP)

EROSION BALES (TYP)

IH 39 SB

WORK UNDER
PROJECT ID 1007-10-84

END PROJECT
STA 1246+00'TSB'

792'XNB' 794'XNB' 796'XNB' 798'XNB' 800'XNB' 802'XNB'

IH 39 NB

24"CPCS

N

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B OVER SOIL STABILIZER TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

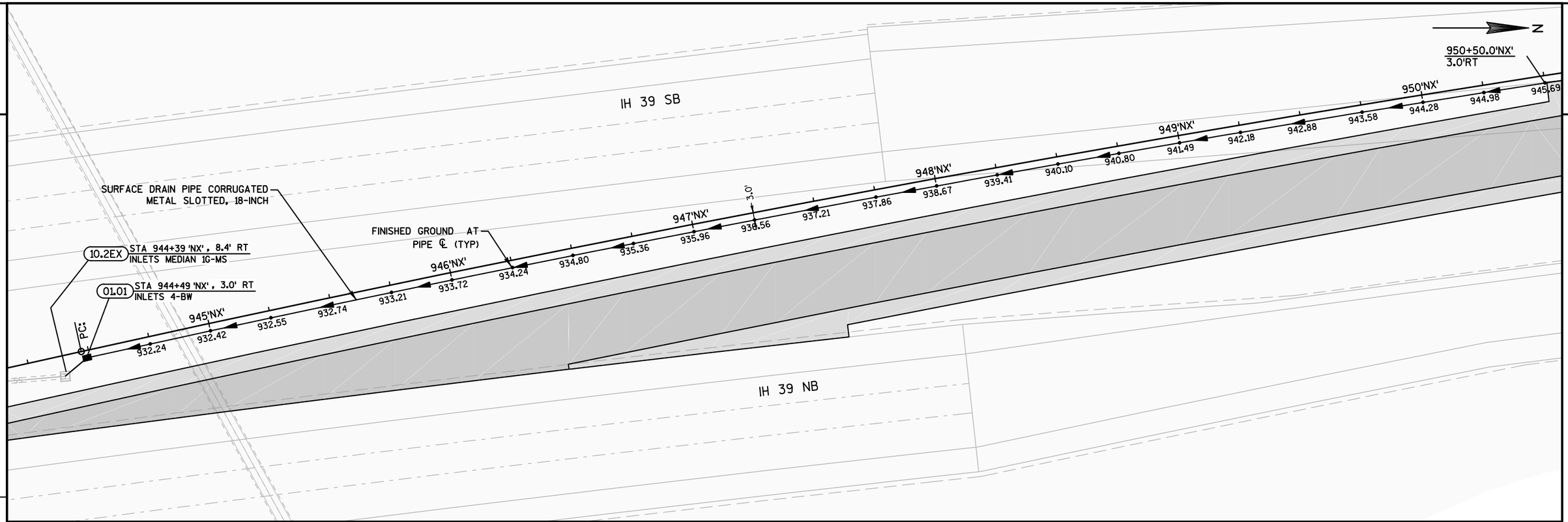
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	EROSION CONTROL PLAN	PAGE 09 OF 09	SHEET 80	E

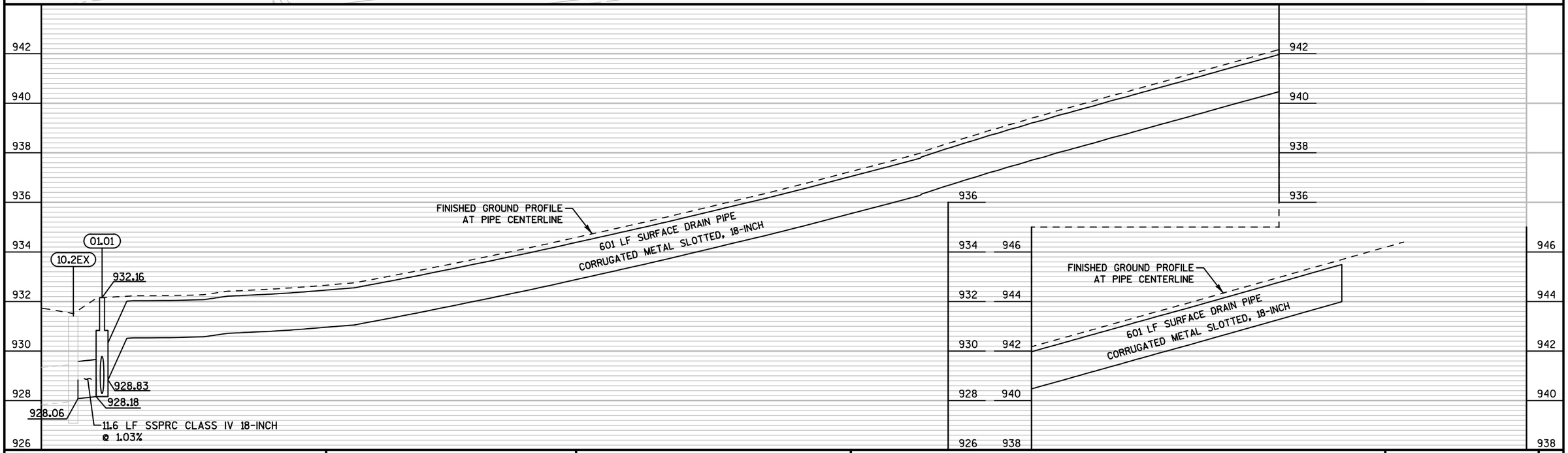
FILE NAME : 022000_EC (EROS CNTRL PLAN).DWG | PLOT DATE : 3/6/2017 9:32 AM | PLOT BY : SEH INC | LAYOUT NAME : 022009_EC | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH:P:\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007101088\SEC 02 TYPICAL SECTIONS & DETAILS

2





PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	STORM SEWER	PAGE 01 OF 01	SHEET 81 E

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 022501_SS (STM SWR DETAILS).DWG PLOT DATE : 3/2/2017 12:29 PM PLOT BY : SEH LAYOUT NAME : 022501_SS PLOT SCALE : 1 IN = 40.0 FT

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

⊙ TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS (5' SPACING TYP)

H DELINEATORS TEMPORARY (DOUBLE SIDED YELLOW, 5' SPACING TYP)

N

EAST 39 90 MILE 154 .0
D10-5A 21"x72"
M01-01

EAST 39 90 MILE 153 .8
D10-5A 21"x72"
M01-02

MATCH PAVEMENT MARKINGS CONSTRUCTED UNDER PROJECT ID 1007-11-75

BEGIN MARKING
PROJECT 1007-10-88
STA 1954+85'SPM'

1946'SPM' 1948'SPM' 1950'SPM' 1952'SPM' 1954'SPM' 1956'SPM' 1958'SPM' 1960'SP

IH 39 SB

HHHH HHHH

1946'NB' 1948'NC' 1950'NC' 1952'NC' 554'XNB' 556'XNB' 558'XNB' 560'XNB'

IH 39 NB

MATCH LINE 1

PAVEMENT MARKINGS CONSTRUCTED UNDER PROJECT ID 1007-11-75

M01-03

WEST 39 90 MILE 154 .0
D10-5A 21"x72"

EXISTING SIGN TO REMAIN

WEST 39 90 MILE 153 .8
EXISTING SIGN TO REMAIN

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

GENERAL NOTES: PERMANENT SIGNING

1. ALL MP SIGNS (D10-5A) SHALL BE INSTALLED IMMEDIATELY.

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 82	E

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

EAST
39
90
MILE
153
.6
D10-5A
21"x72"
M02-01

MATCH LINE 1

1014'TSB'
1016'TSB'
1018'TSB'
1020'TSB'
1022'TSB'
1024'TSB'

IH 39 SB

562'XNB'
564'XNB'
566'XNB'
568'XNB'
570'XNB'
572'XNB'
574'XNB'

IH 39 NB

MATCH LINE 2

PAVEMENT MARKINGS CONSTRUCTED UNDER PROJECT ID 1007-11-75

WEST
39
90
MILE
153
.6
EXISTING SIGN TO REMAIN

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG
PLOT DATE : 1/31/2017 10:11 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\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

EAST 39 90 MILE 153 .4

EXISTING SIGN TO REMAIN

EMERGENCY STOPPING ONLY

R8-7
48"X36"

M03-01

T3

T2

T1

1026'TSB' 1028'TSB' 1030'TSB' 1032'TSB' 1034'TSB' 1036'TSB' 1038'TSB'

IH 39 SB

MATCH LINE 2

576'XNB' 578'XNB' 580'XNB' 582'XNB' IH 39 NB 584'XNB' 586'XNB' 588'XNB'

MATCH LINE 3

WEST 39 90 MILE 153 .4

EXISTING SIGN TO REMAIN

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

SEPTIC

RUINS

CTH B

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 1/31/2017 10:11 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\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

2

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

UTICA RD

CTH B

Hwy B
M1-94
XX"X15"
M04-03

EAST 39 90 MILE 153 .2
EXISTING SIGN TO REMAIN

REMOVE
R04-01

REMOVE
R04-02

EAST 39 90 MILE 153 .0
EXISTING SIGN TO REMAIN

1040'TSB' 1042'TSB' 1044'TSB' 1046'TSB' 1048'TSB' 1050'TSB' 1052'TSB'

IH 39 SB

T2 T3 T1

590'XNB' 592'XNB' 594'XNB' 596'XNB' 598'XNB' 600'XNB' 602'XNB'

IH 39 NB

MATCH LINE 3

MATCH LINE 4

CTH B

Hwy B
EXISTING SIGN TO REMAIN

R04-04
REMOVE

WEST 39 90 MILE 153 .2
EXISTING SIGN TO REMAIN

WEST 39 90 MILE 153 .0
EXISTING SIGN TO REMAIN

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 1/31/2017 10:11 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\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

2

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

N

EAST 39 90 MILE 152 .8

EXISTING SIGN TO REMAIN

1054'TSB' 1056'TSB' 1058'TSB' 1060'TSB' 1062'TSB' 1064'TSB' 1066'TSB'

IH 39 SB

T2 T3 T1

MATCH LINE 4

604'XNB' 606'XNB' 608'XNB' 610'XNB' IH 39 NB 612'XNB' 614'XNB' 616'XNB'

MATCH LINE 5

EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES

EXISTING SIGN TO REMAIN

WEST 39 90 MILE 152 .8

EXISTING SIGN TO REMAIN

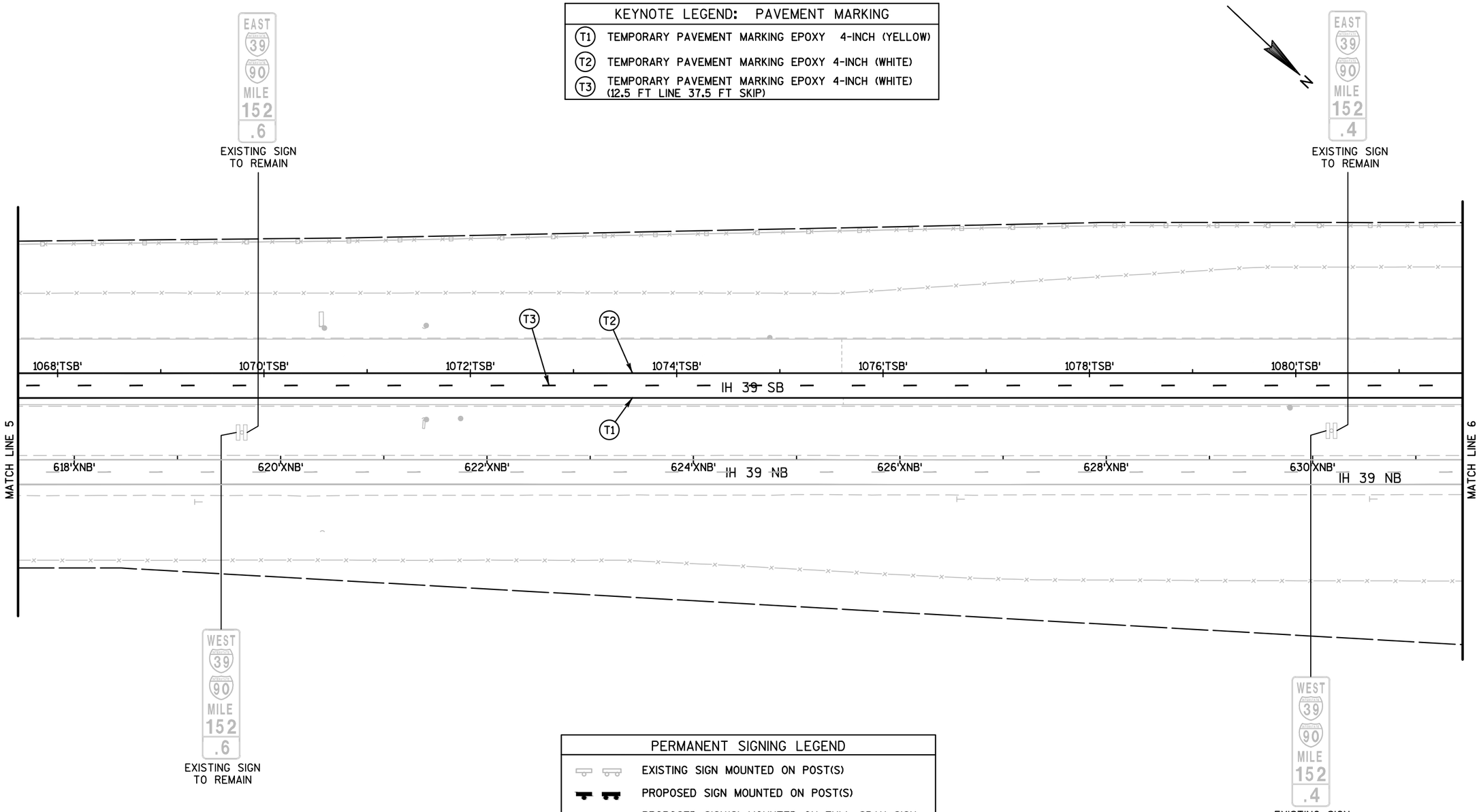
PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 1/31/2017 10:11 PM PLOT BY : SEH LAYOUT NAME : 05 PLOT SCALE : 1.0 IN = 100.0 FT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

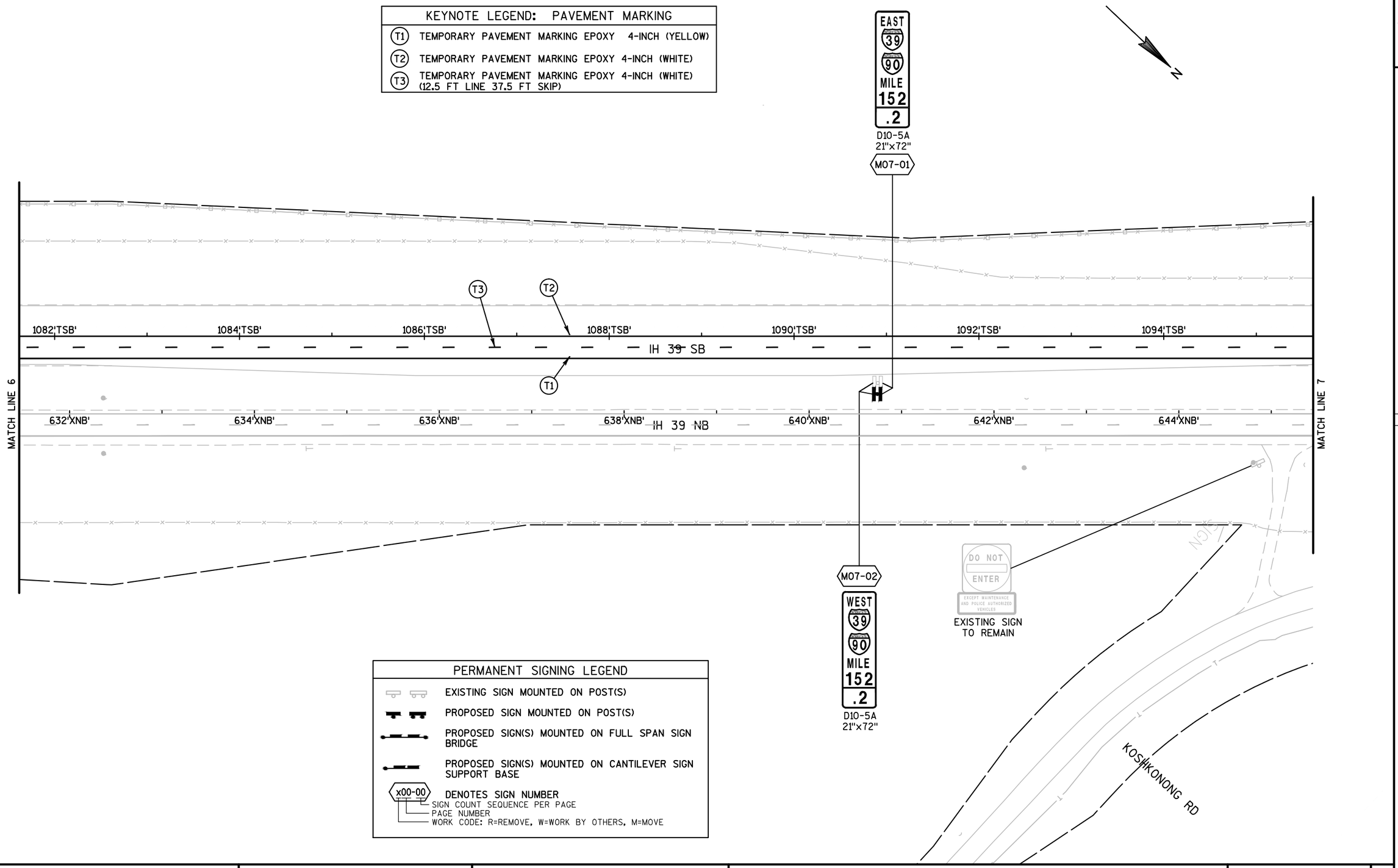


PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 87	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)



PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 88	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

2

KOSHKONONG

CTH W

EAST 39 90 MILE 152 .0

EXISTING SIGN TO REMAIN

REMOVE R08-01

REMOVE R08-02

Hwy W
M1-94
XX"X15"
M08-03

N

T3 T2 T1

1096'TSB' 1098'TSB' 1100'TSB' 1102'TSB' 1104'TSB' 1106'TSB' 1108'TSB'

IH 39 SB

MATCH LINE 7

646'XNB' 648'XNB' 650'XNB' IH 39 NB 652'XNB' 654'XNB' 656'XNB' 658'XNB'

MATCH LINE 8

WEST 39 90 MILE 152 .0

EXISTING SIGN TO REMAIN

Hwy W

EXISTING SIGN TO REMAIN

KOSHKONONG RD

CTH W

R08-05

REMOVE

R08-04

REMOVE

PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
- PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
- 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

T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 89	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

2

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

N

EAST 39 90 MILE 151 .8

EXISTING SIGN TO REMAIN

T2 T3 T1

1110'TSB' 1112'TSB' 1114'TSB' 1116'TSB' 1118'TSB' 1120'TSB' 1122'TSB'

IH 39 SB

MATCH LINE 8

660'XNB' 662'XNB' 664'XNB' 666'XNB' 668'XNB' IH 39 NB 670'XNB' 672'XNB'

MATCH LINE 9

EXCEPT MAINTENACE AND POLICE AUTHORIZED VEHICLES

EXISTING SIGN TO REMAIN

WEST 39 90 MILE 151 .8

EXISTING SIGN TO REMAIN

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 90	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

EAST 39 90 MILE 151 .6
EXISTING SIGN TO REMAIN

EAST 39 90 MILE 151 .4
EXISTING SIGN TO REMAIN

1124'TSB' 1126'TSB' 1128'TSB' 1130'TSB' 1132'TSB' 1134'TSB' 1136'TSB'

IH 39 SB

IH 39 NB

674'XNB' 676'XNB' 678'XNB' 680'XNB' 682'XNB' 684'XNB' 686'XNB'

MATCH LINE 9

MATCH LINE 10

WEST 39 90 MILE 151 .6
EXISTING SIGN TO REMAIN

WEST 39 90 MILE 151 .4
EXISTING SIGN TO REMAIN

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET	E

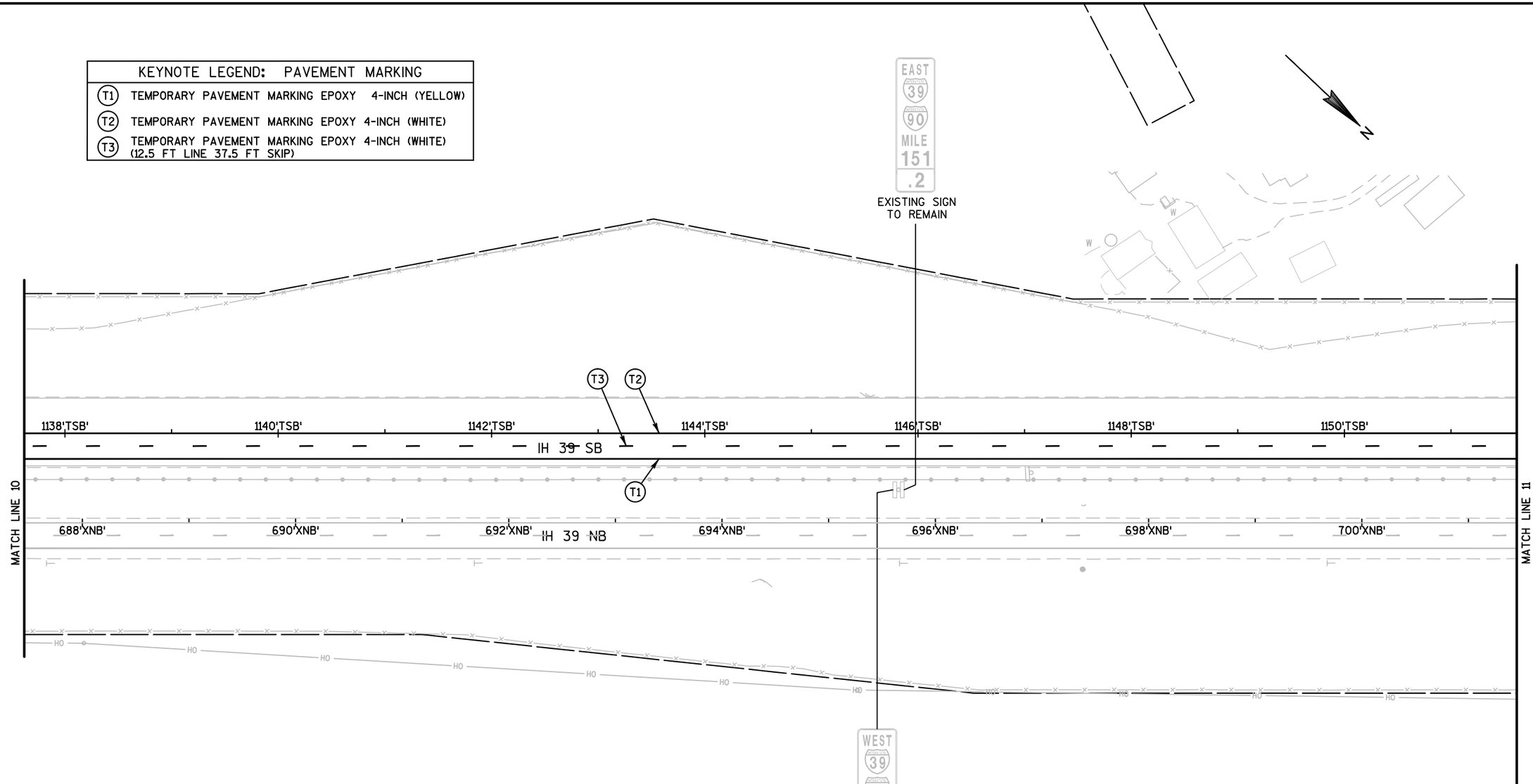
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 1/31/2017 10:12 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 PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)



PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 92	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

EAST 39 90 MILE 151 .0

D10-5A 21"x72"

M12-01

1152'TSB' 1154'TSB' 1156'TSB' 1158'TSB' 1160'TSB' 1162'TSB' 1164'TSB'

IH 39 SB

T2 T3 T1

MATCH LINE 11

MATCH LINE 12

702'XNB' 704'XNB' 706'XNB' 708'XNB' 710'XNB' 712'XNB' 714'XNB'

IH 39 NB

WEST 39 90 MILE 151 .0

EXISTING SIGN TO REMAIN

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

MAILBOX

DROTNING RD

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 93	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 1/31/2017 10:12 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\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

EAST 39 90 MILE 150 .8
EXISTING SIGN TO REMAIN

REMOVE R13-02
REMOVE R13-03

EAST 39 90 MILE 150 .6
D10-5A 21"x72"
M13-04

DROTNING RD

1166'TSB' 1168'TSB' 1170'TSB' 1172'TSB' 1174'TSB' 1176'TSB' 1178'TSB'
IH 39 SB

T2 T3 T1

END LANE MARKING
STA 1179+00'TSB'

MATCH LINE 12

716'XNB' 718'XNB' 720'XNB' 722'XNB' IH 39 NB 724'XNB' 726'XNB' 728'XNB'

MATCH LINE 13

DROTNING RD

R13-06 R13-05
REMOVE REMOVE

WEST 39 90 MILE 150 .8
EXISTING SIGN TO REMAIN

WEST 39 90 MILE 150 .6
EXISTING SIGN TO REMAIN

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 94	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

EAST
39
90
MILE
150
.4

D10-5A
21"x72"
M14-01

N

RIPRAP

T2

1180'TSB' 1182'TSB' 1184'TSB' 1186'TSB' 1188'TSB' 1190'TSB' 1192'TSB'

IH 39 SB

T1

MATCH LINE 13

730'XNB' 732'XNB' 734'XNB' IH 39 NB 736'XNB' 738'XNB' 740'XNB' 742'XNB'

MATCH LINE 14

HO

WEST
39
90
MILE
150
.4

EXISTING SIGN
TO REMAIN

TOWER

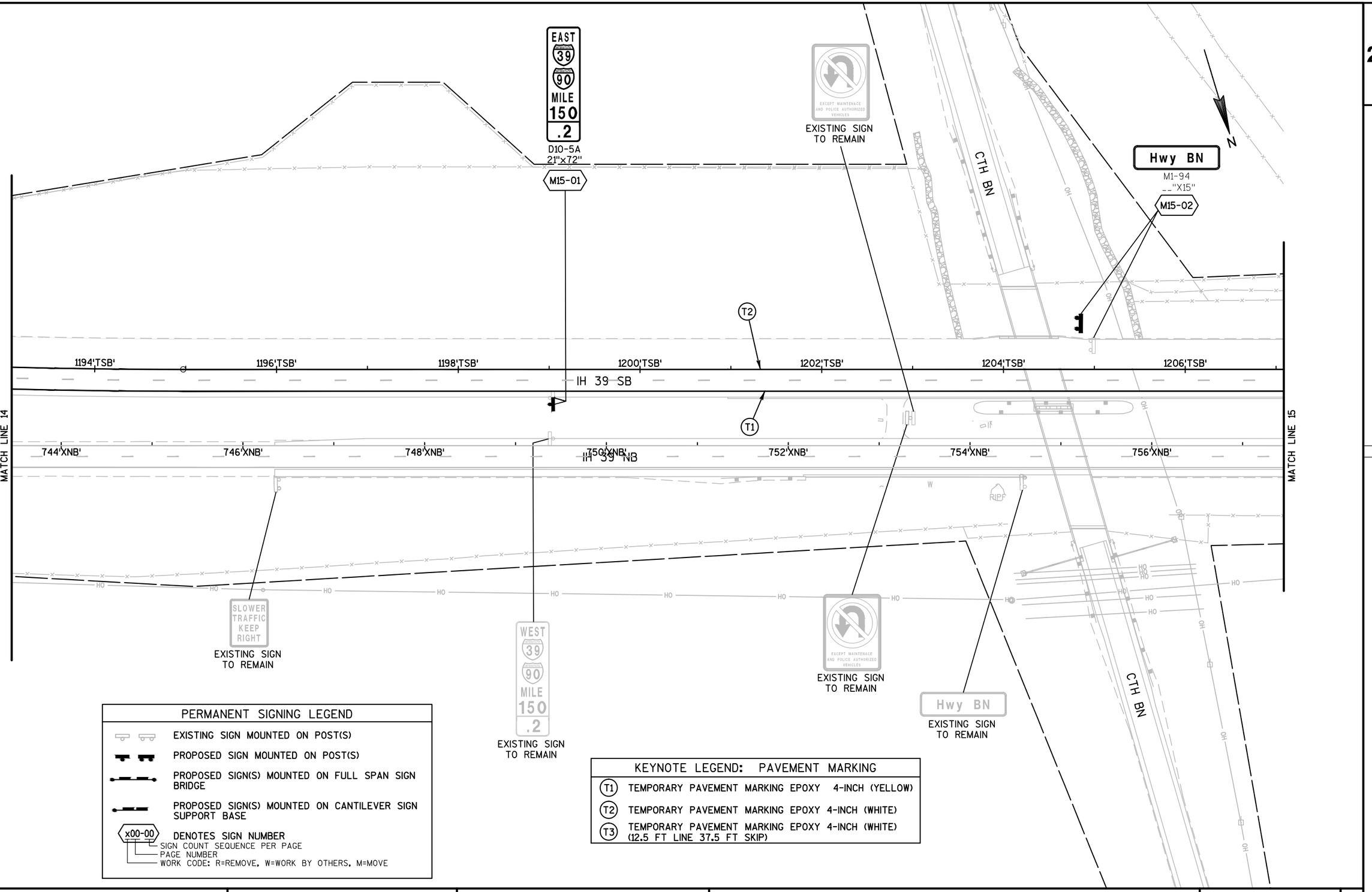
PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 1/31/2017 10:12 PM PLOT BY : SEH LAYOUT NAME : 14 PLOT SCALE : 1.0 IN = 100.0 FT

2



PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
- PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
- 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

T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

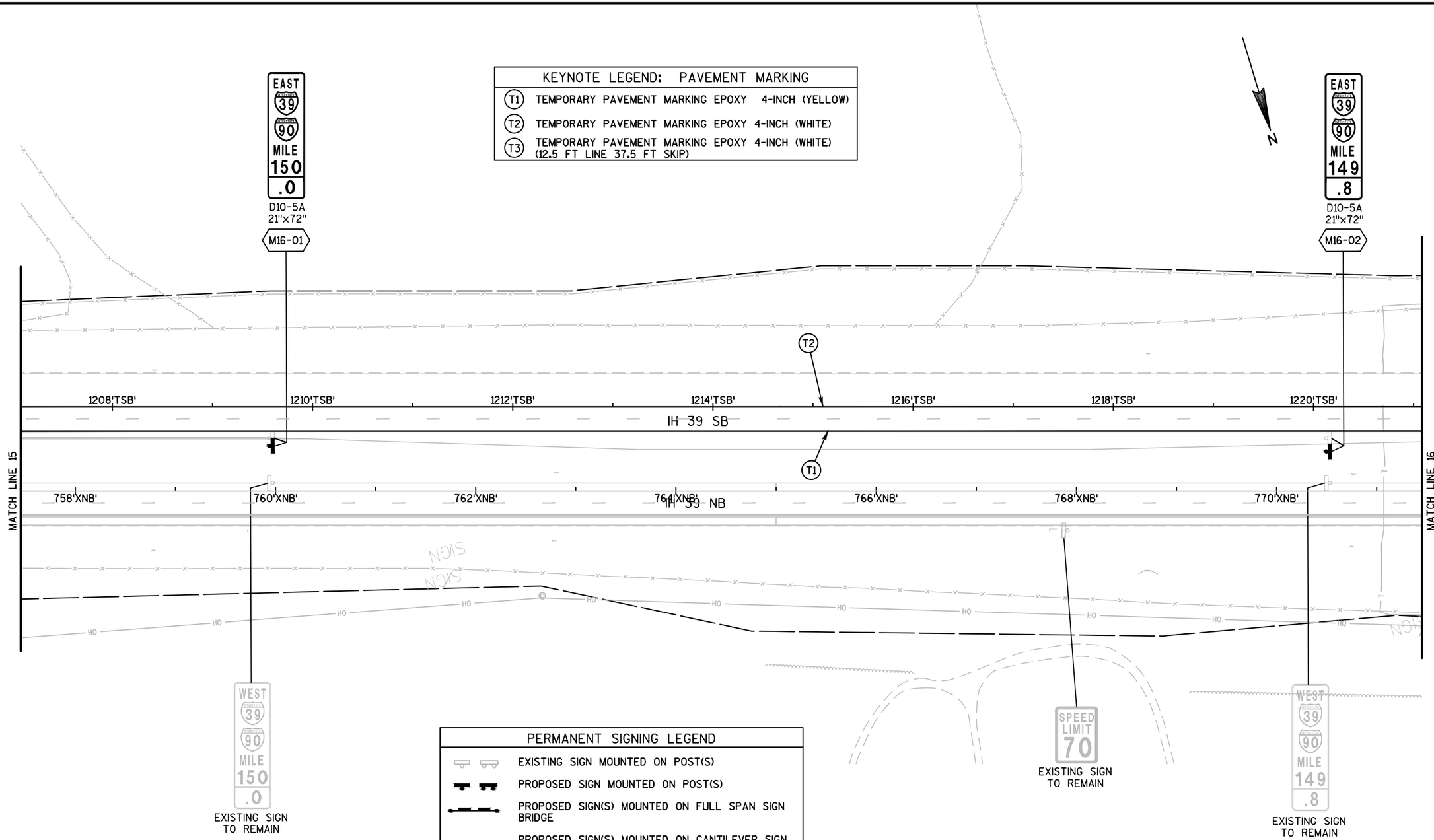
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007110001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 1/31/2017 10:12 PM PLOT BY : SEH LAYOUT NAME : 15 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)



PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
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\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

2

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

CHURCH ST

EAST 39 90 MILE 149 .6

D10-5A 21"x72"

M17-01

N

T2

1222'TSB' 1224'TSB' 1226'TSB' 1228'TSB' 1230'TSB' 1232'TSB' 1234'TSB'

IH 39 SB

T1

MATCH LINE 16

772'XNB' 774'XNB' 776'XNB' 778'XNB' 780'XNB' 782'XNB' 784'XNB'

IH 39 NB

MATCH LINE 17

HO

CHURCH ST

WEST 39 90 MILE 149 .6

EXISTING SIGN TO REMAIN

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET	E

FILE NAME : 023200_PS_PM (PERM SGN & PVMNT MRK).DWG PLOT DATE : 1/31/2017 10:13 PM PLOT BY : SEH LAYOUT NAME : 17 PLOT SCALE : 1.0 IN = 100.0 FT

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

WISDOT/CADDS SHEET 42

2

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

N

EXISTING SIGN TO REMAIN

EAST 39 90 MILE 149 .4

D10-5A 21"x72"

M18-01

END PROJECT
END EDGE MARKING
STA 1246+00'TSB'

1236'TSB' 1238'TSB' 1240'TSB' 1242'TSB' 1244'TSB' 1246'TSB' 1248'TSB' 1250

T2

T1

IH 39 SB

IH 39 NB

MATCH LINE 17

786'XNB' 788'XNB' 790'XNB' 792'XNB' 794'XNB' 796'XNB' 798'XNB' 800'XNB'

EXISTING SIGN TO REMAIN

WEST 39 90 MILE 149 .4

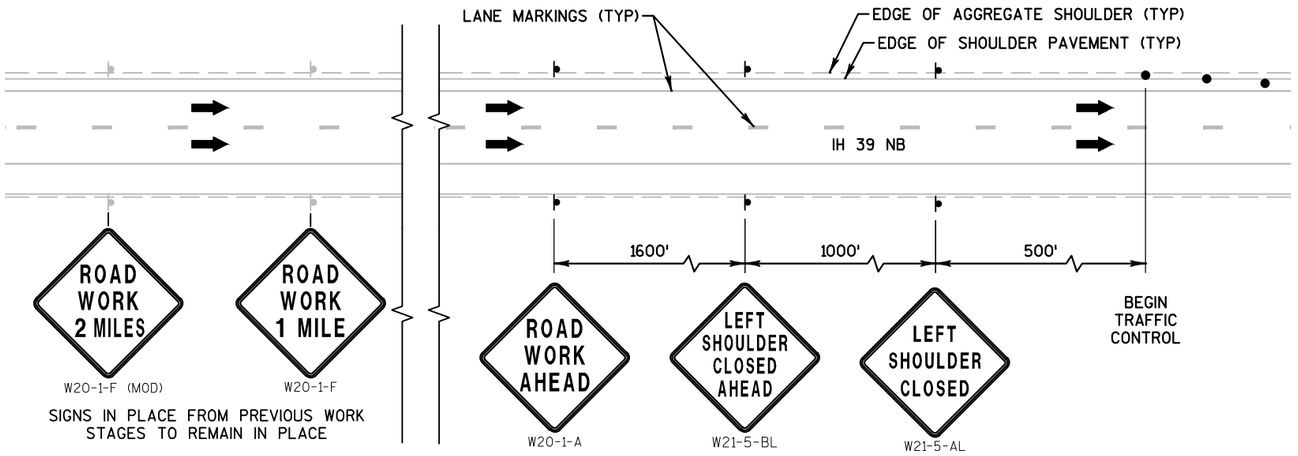
EXISTING SIGN TO REMAIN

EMERGENCY STOPPING ONLY

EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

PERMANENT SIGNING LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN(S) MOUNTED ON FULL SPAN SIGN BRIDGE
	PROPOSED SIGN(S) MOUNTED ON CANTILEVER SIGN SUPPORT BASE
x00-00	DENOTES SIGN NUMBER SIGN COUNT SEQUENCE PER PAGE PAGE NUMBER WORK CODE: R=REMOVE, W=WORK BY OTHERS, M=MOVE



TRAFFIC CONTROL ADVANCED WARNING AREA - SHOULDER CLOSURE

IH 39 NORTHBOUND OR SOUTHBOUND (NB SHOWN)

DRAWING NOTES:

SPACING AND LOCATIONS OF DEVICES IN THE FIELD SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER.

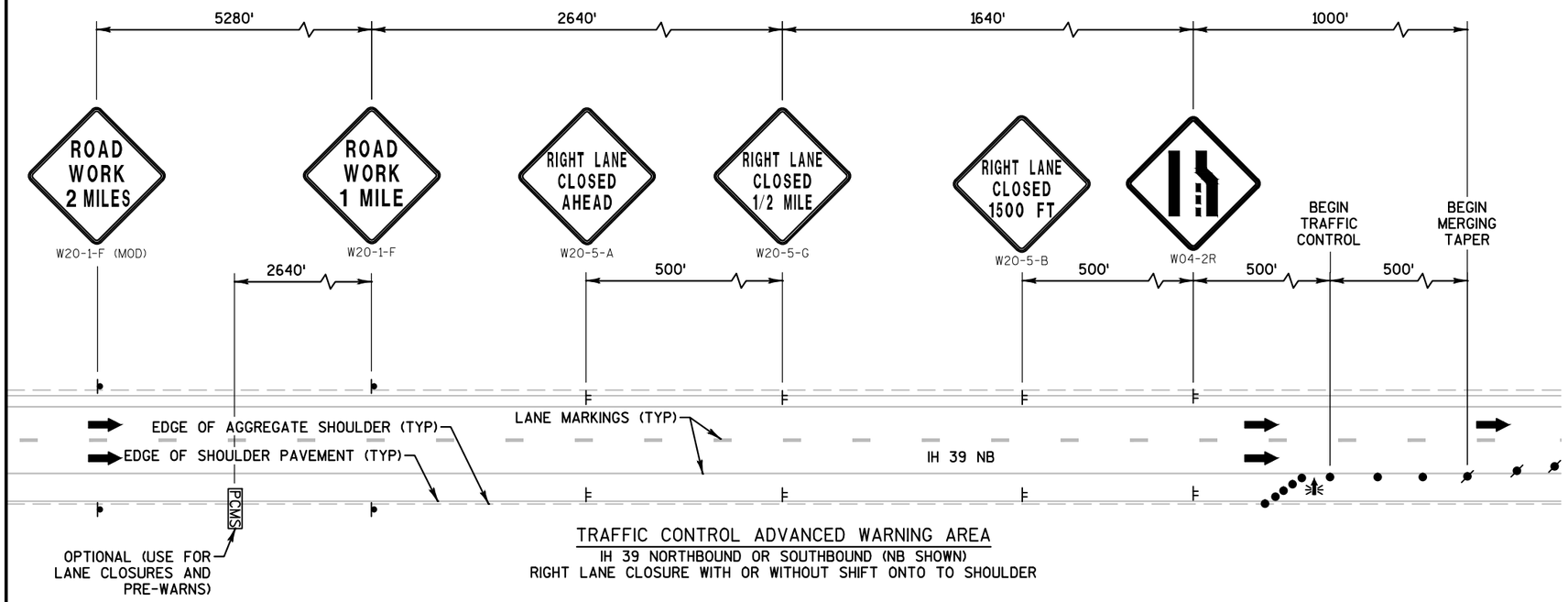
SEE PAGE 02 AND 03 OF 03 FOR LANE CLOSURE AND LANE CLOSURE WITH SHIFT ONTO SHOULDER DETAILS.

RIGHT LANE CLOSURE SHOWN. MIRROR LAYOUT AND SIGN MESSAGES FOR LEFT LANE CLOSURE.

ALL "WO" OR "W" DIAMOND SHAPED WARNING SIGNS, SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

NORTHBOUND AND SOUTH BOUND, PORTABLE CHANGEABLE MESSAGES SIGNS (PCMS), ON IH 39, SHALL BE LOCATED BY WISDOT SOUTHWEST REGION TRAFFIC SECTION.

FOR APPLICATION OF REGULATORY OR ADVISORY SPEED LIMIT SIGNS, CONTACT RICH CANNON, I-39/90 TRAFFIC MANAGEMENT ENGINEER, AT (608) 884-1160.



TRAFFIC CONTROL ADVANCED WARNING AREA

IH 39 NORTHBOUND OR SOUTHBOUND (NB SHOWN)

RIGHT LANE CLOSURE WITH OR WITHOUT SHIFT ONTO TO SHOULDER

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 W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS TEMPORARY
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK VEHICLE

WORK SPACE

TEMPORARY PAVEMENT

16"x16" SIGN FLAGS, TEMP. (INCIDENTAL TO SIGN ITEM)

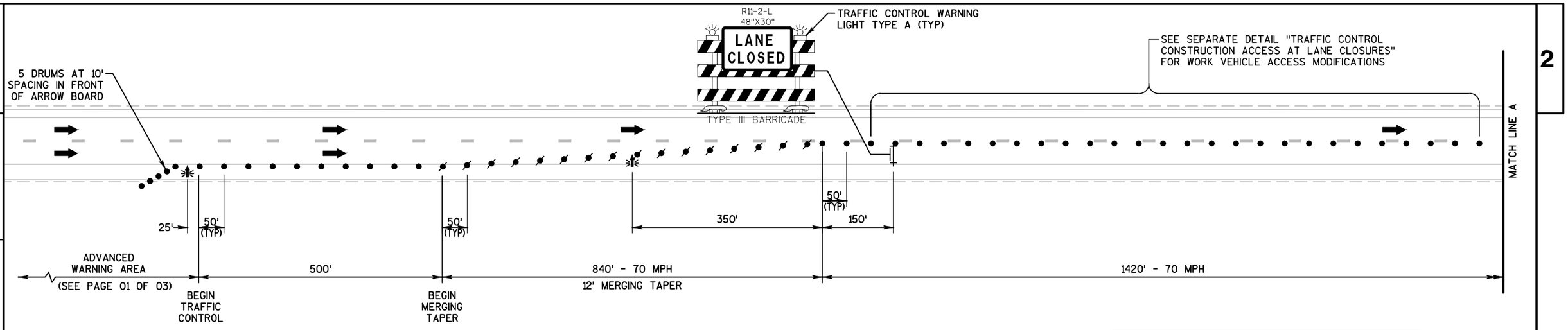
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL DETAIL - ADVANCED WARNING AREA	SHEET 100	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

FILE NAME : 025000_TC (TRAF CNTRL DETAILS - IH 39).DWG | PLOT DATE : 1/31/2017 10:13 PM | PLOT BY : SEH | LAYOUT NAME : 025101_TC | PLOT SCALE : 1 IN = 100.0 FT

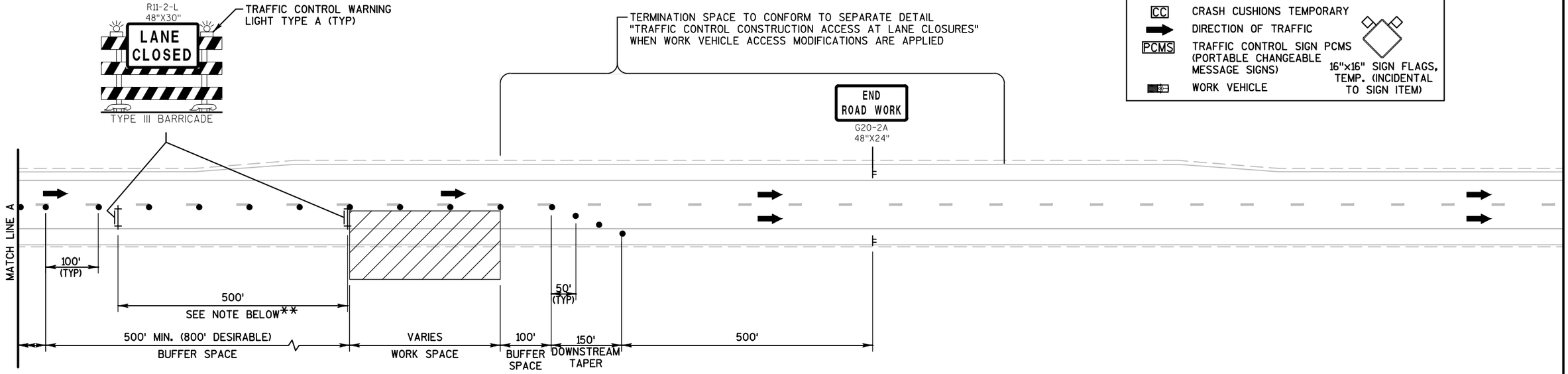
WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISONPROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS\0250 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 W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS TEMPORARY
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK VEHICLE
- WORK SPACE
- TEMPORARY PAVEMENT
- 16"x16" SIGN FLAGS, TEMP. (INCIDENTAL TO SIGN ITEM)



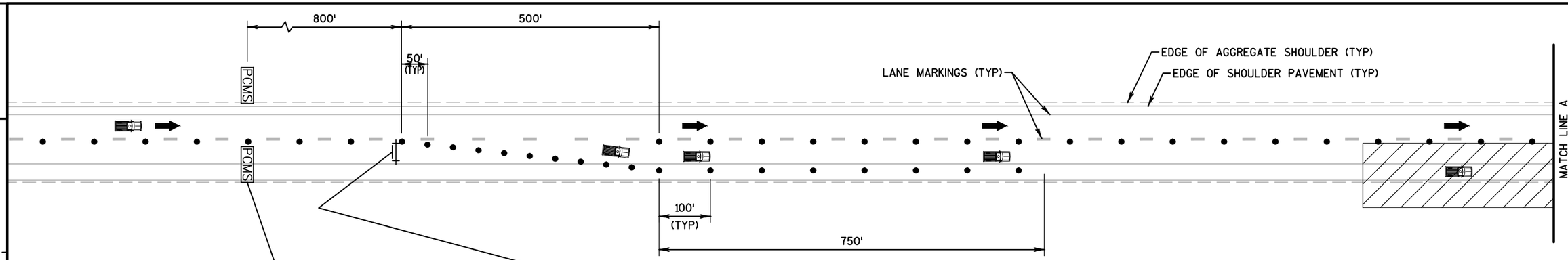
**NOTE, IF DISTANCE TO END OF MERGING TAPER IS GREATER THAN ½ MILE, INSTALL ADDITIONAL BARRICADE UNITS AT ¼ MILE INTERVALS

TRAFFIC CONTROL - LANE CLOSURE

NIGHT USE ONLY

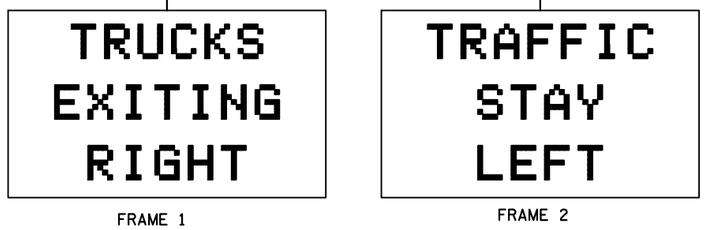
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL DETAIL - LANE CLOSURE	SHEET 101	E

FILE NAME : 025000_TC (TRAF CNTRL DETAILS - IH 39).DWG | PLOT DATE : 1/31/2017 10:13 PM | PLOT BY : SEH | LAYOUT NAME : 025102_TC | PLOT SCALE : 1 IN = 100.0 FT | WISDOT/CADDS SHEET 42

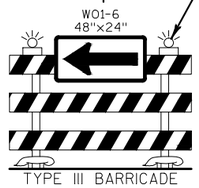


FOR CONSTRUCTION TRAFFIC EXITING LIVE TRAFFIC LANES
(RIGHT LANE CLOSURE SHOWN MIRROR FOR LEFT LANE CLOSURES)

TRAFFIC CONTROL WARNING LIGHT TYPE A (TYP)



PORTABLE CHANGEABLE MESSAGE SIGN DISPLAYS



DRAWING NOTES:

SPACING AND LOCATIONS OF DEVICES IN THE FIELD SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER.

SEE OTHER TRAFFIC CONTROL DETAILS FOR LANE CLOSURE DETAILS.

RIGHT LANE CLOSURE SHOWN. MIRROR LAYOUT AND SIGN MESSAGES FOR LEFT LANE CLOSURE.

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) MESSAGES TO ALTERNATE BETWEEN MESSAGES SHOWN IN FRAME 1 AND FRAME 2 (RIGHT LANE CLOSURE MESSAGES SHOWN, MIRROR "RIGHT/LEFT" MESSAGES FOR LEFT LANE CLOSURES).

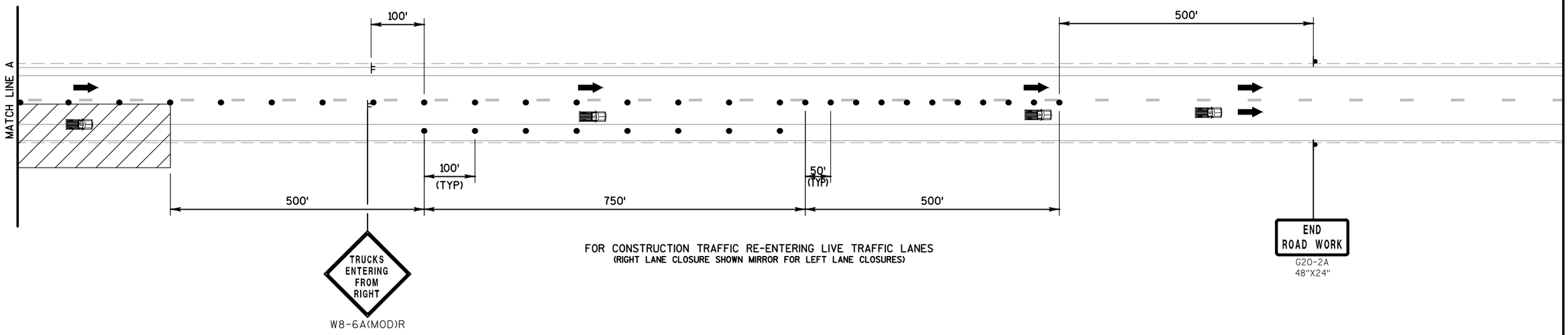
TRAFFIC CONTROL LEGEND

- 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 W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS TEMPORARY
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK VEHICLE

WORK SPACE

TEMPORARY PAVEMENT

16"x16" SIGN FLAGS, TEMP. (INCIDENTAL TO SIGN ITEM)



FOR CONSTRUCTION TRAFFIC RE-ENTERING LIVE TRAFFIC LANES
(RIGHT LANE CLOSURE SHOWN MIRROR FOR LEFT LANE CLOSURES)

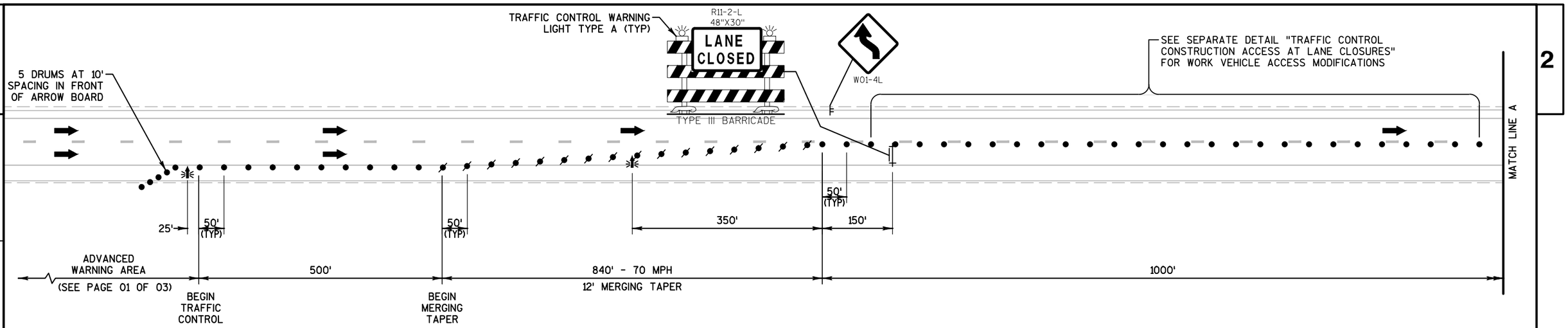
TRAFFIC CONTROL CONSTRUCTION ACCESS AT LANE CLOSURES

NIGHT USE ONLY

PROJECT NO:1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL DETAIL - CONSTRUCTION ACCESS	SHEET 102	E

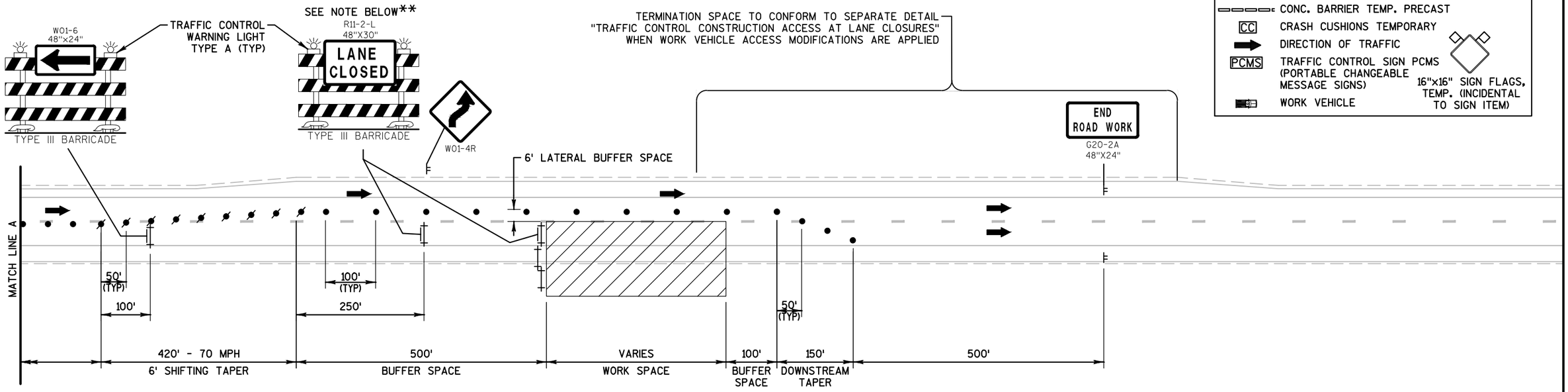
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007101SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 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 W/ A 5' MIN. MOUNTING HEIGHT
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHIONS TEMPORARY
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS (PORTABLE CHANGEABLE MESSAGE SIGNS)
- WORK VEHICLE
- WORK SPACE
- TEMPORARY PAVEMENT
- 16"x16" SIGN FLAGS, TEMP. (INCIDENTAL TO SIGN ITEM)



**NOTE, IF DISTANCE TO END OF MERGING TAPER IS GREATER THAN ½ MILE, INSTALL ADDITIONAL BARRICADE UNITS AT ¼ MILE INTERVALS

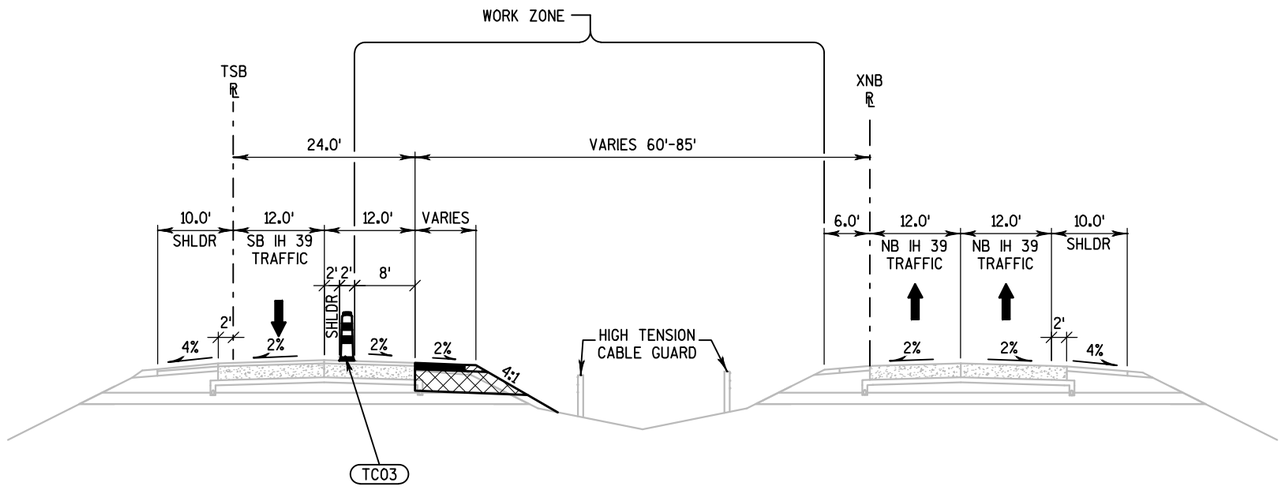
TRAFFIC CONTROL - LANE CLOSURE WITH SHIFT ONTO SHOULDER

NIGHT USE ONLY

2

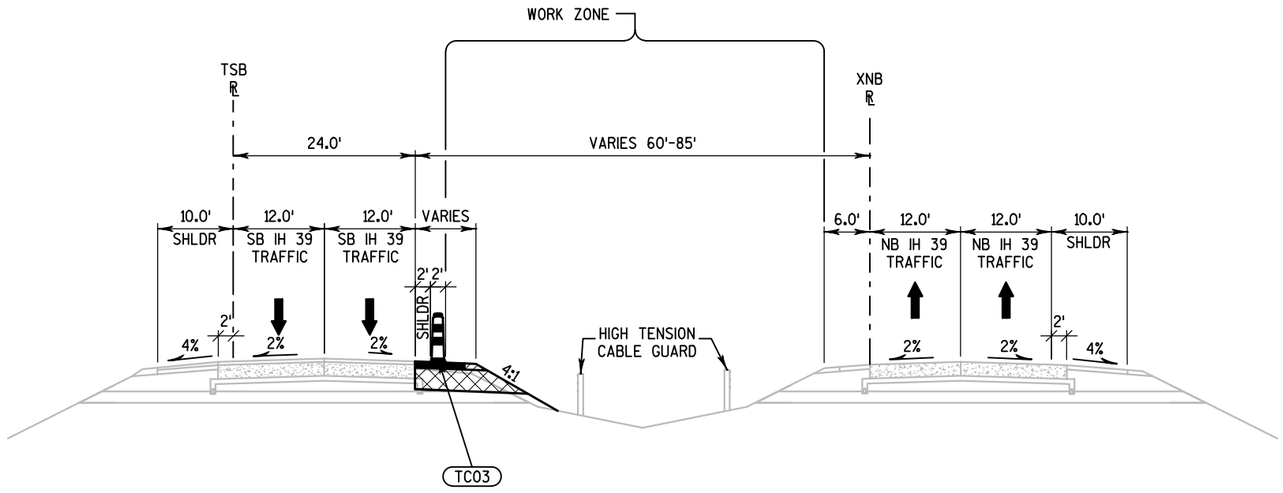
KEYED NOTE LEGEND

(TC03) TRAFFIC CONTROL DRUM (100' SPACING TYPICAL)



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 1 - NIGHTTIME HOURS

STA 1036+00'TSB' TO 1179+00'TSB'



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 1 - DAYTIME HOURS

STA 1036+00'TSB' TO 1179+00'TSB'

SAVE FOLDER PATH:P:\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007T088\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

PROJECT NO:1007-10-88	HWY: IH 39	COUNTY: DANE	TYPICAL SECTION (TRAFFIC CONTROL - STAGE 1)	SHEET	E

FILE NAME : 025301_TC_TS (TC TYP SEC SOUTH).DWG PLOT DATE : 3/2/2017 10:56 AM PLOT BY : SEH INC LAYOUT NAME : STG 1 PLOT SCALE : 1 IN:20 FT

STAGE 1 CONSTRUCTION SUMMARY

CONSTRUCTION OPERATIONS CONCURRENT WITH PROJECTS 1007-10-84 AND 1007-11-75.

CONSTRUCT TEMPORARY PAVEMENTS FOR SB IH 39 MEDIAN SIDE SHOULDERS.

CONSTRUCT TEMPORARY BRIDGE WIDENING B-13-164 PIERS.

MAINTENANCE OF TRAFFIC

ALL MAINLINE SB IH 39 TRAFFIC SHALL REMAIN ON EXISTING LANES DURING DAYTIME HOURS.

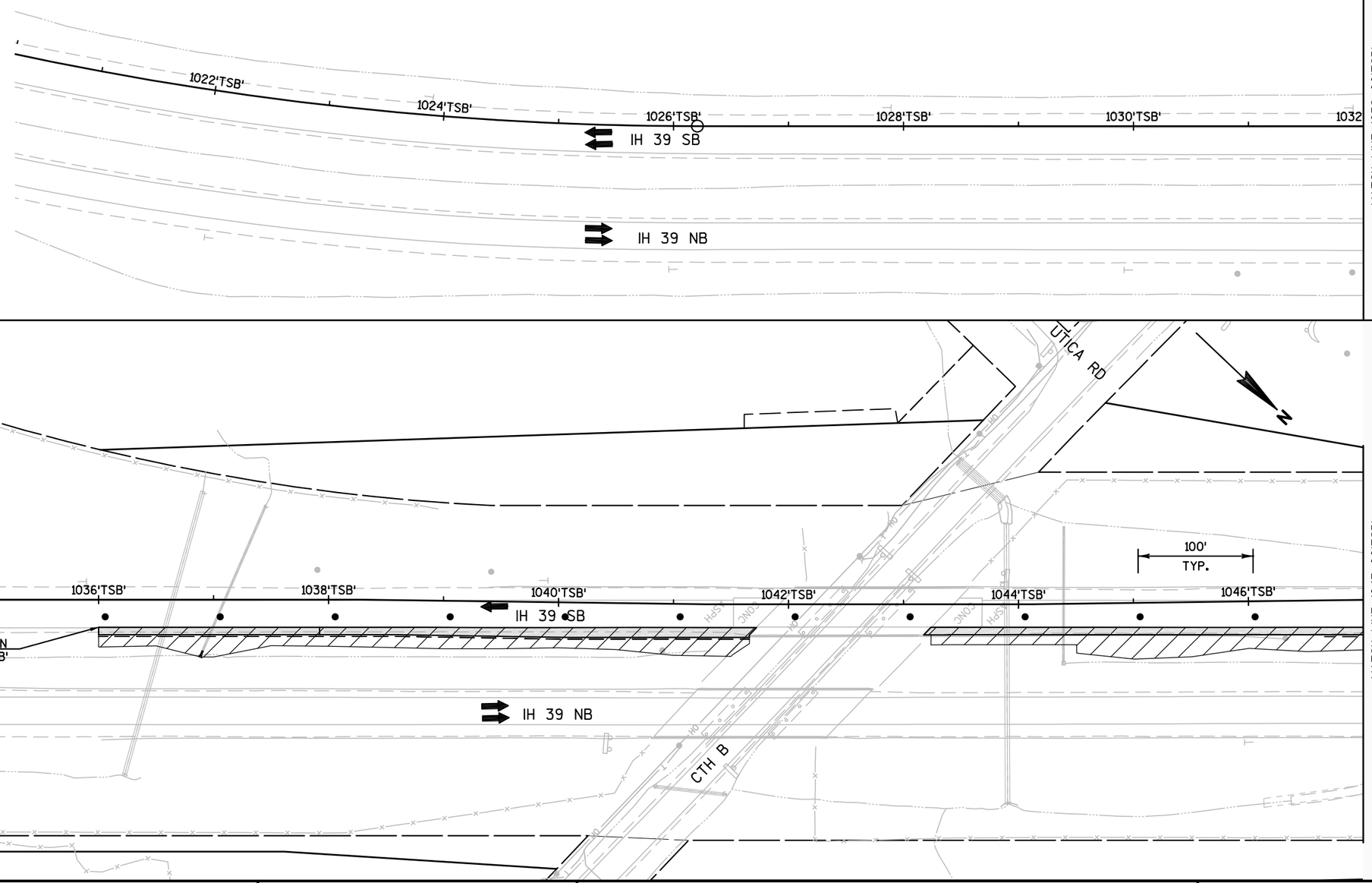
ALL MAINLINE NB IH 39 TRAFFIC SHALL REMAIN ON EXISTING LANES DURING DAYTIME HOURS.

ALL MAINLINE SB IH 39 TRAFFIC SHALL BE MERGED TO THE OUTSIDE LANE DURING NIGHTTIME HOURS.

CTH B TO BE CLOSED WITH DETOUR.

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
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT



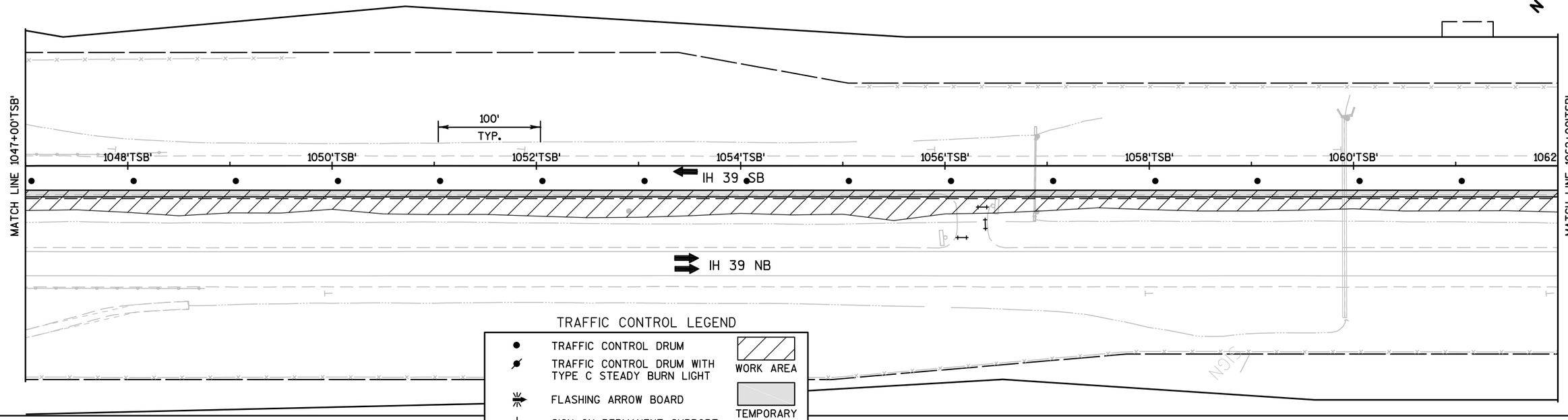
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 NIGHTTIME	PAGE 01 OF 06	SHEET	E

SAVE FOLDER PATH: P:\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

FILE NAME : 025000_TC_STG_1 (TRF CNTRL STAGE 1).DWG | PLOT DATE : 3/9/2017 10:01 AM | PLOT BY : SEH | LAYOUT NAME : 025001_TC_STG_1 | PLOT SCALE : 1.0 IN = 100.0 FT

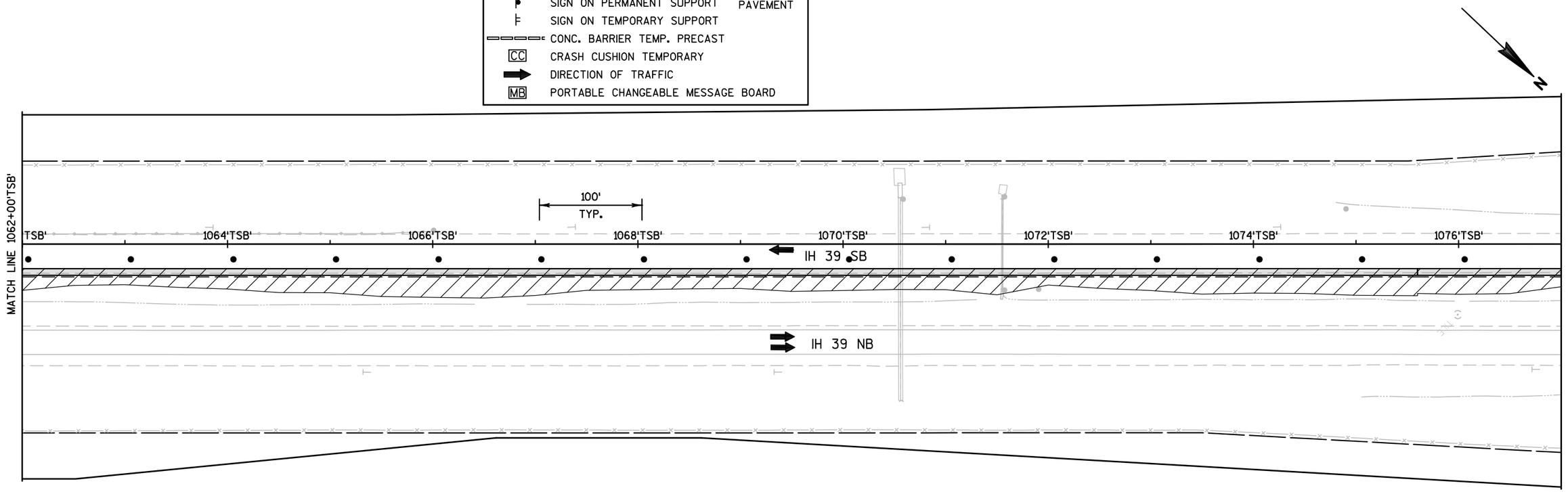
WISDOT/CADDS SHEET 42

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
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 NIGHTTIME	PAGE 02 OF 06	SHEET	E

FILE NAME : 025000_TC_STG_1 (TRF CNTRL STAGE 1).DWG | PLOT DATE : 1/31/2017 10:14 PM | PLOT BY : SEH | LAYOUT NAME : 025002_TC_STG_1 | 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\1007108B\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

2

MATCH LINE 1077+00'TSB'

1078'TSB' 1080'TSB' 1082'TSB' 1084'TSB' 1086'TSB' 1088'TSB' 1090'TSB' 1092

100' TYP.

IH 39 SB

IH 39 NB

MATCH LINE 1092+00'TSB'

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
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

MATCH LINE 1092+00'TSB'

TSB' 1094'TSB' 1096'TSB' 1098'TSB' 1100'TSB' 1102'TSB' 1104'TSB' 1106'TSB'

100' TYP.

IH 39 SB

IH 39 NB

CTH W

CTH W

MATCH LINE 1107+00'TSB'

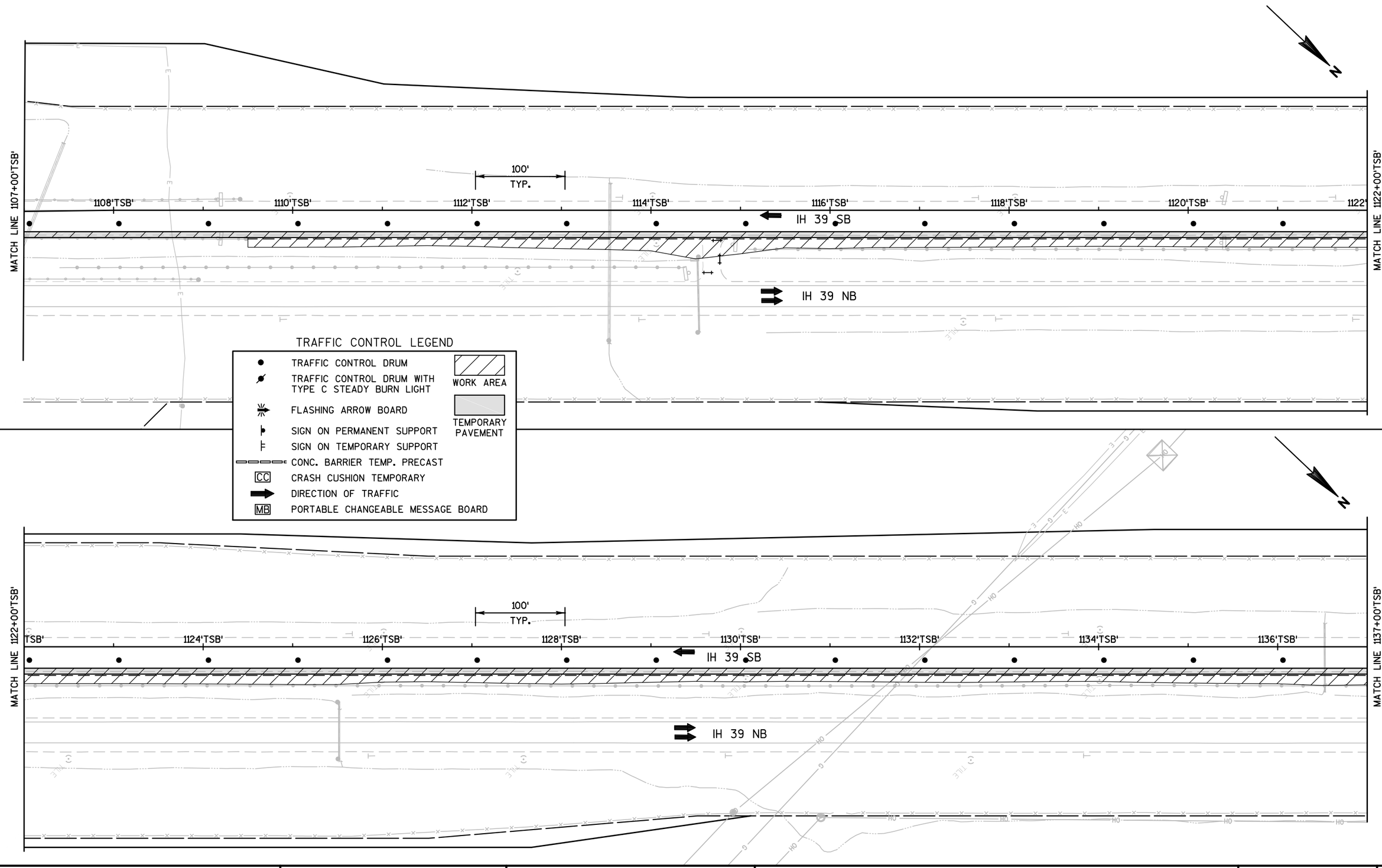
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 NIGHTTIME	PAGE 03 OF 06	SHEET	E

FILE NAME : 025000_TC_STG_1 (TRF CNTRL STAGE 1).DWG PLOT DATE : 1/31/2017 10:14 PM PLOT BY : SEH LAYOUT NAME : 025003_TC_STG_1 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\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

2



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 NIGHTTIME	PAGE 04 OF 06	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

FILE NAME : 025000_TC_STG_1 (TRF CNTRL STAGE 1).DWG
PLOT DATE : 1/31/2017 10:14 PM
PLOT BY : SEH
LAYOUT NAME : 025004_TC_STG_1
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

2

MATCH LINE 1137+00'TSB'

1138'TSB' 1140'TSB' 1142'TSB' 1144'TSB' 1146'TSB' 1148'TSB' 1150'TSB' 1152'

100' TYP.

IH 39 SB

IH 39 NB

MATCH LINE 1152+00'TSB'

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
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

MATCH LINE 1152+00'TSB'

1154'TSB' 1156'TSB' 1158'TSB' 1160'TSB' 1162'TSB' 1164'TSB' 1166'TSB'

100' TYP.

IH 39 SB

IH 39 NB

MATCH LINE 1167+00'TSB'

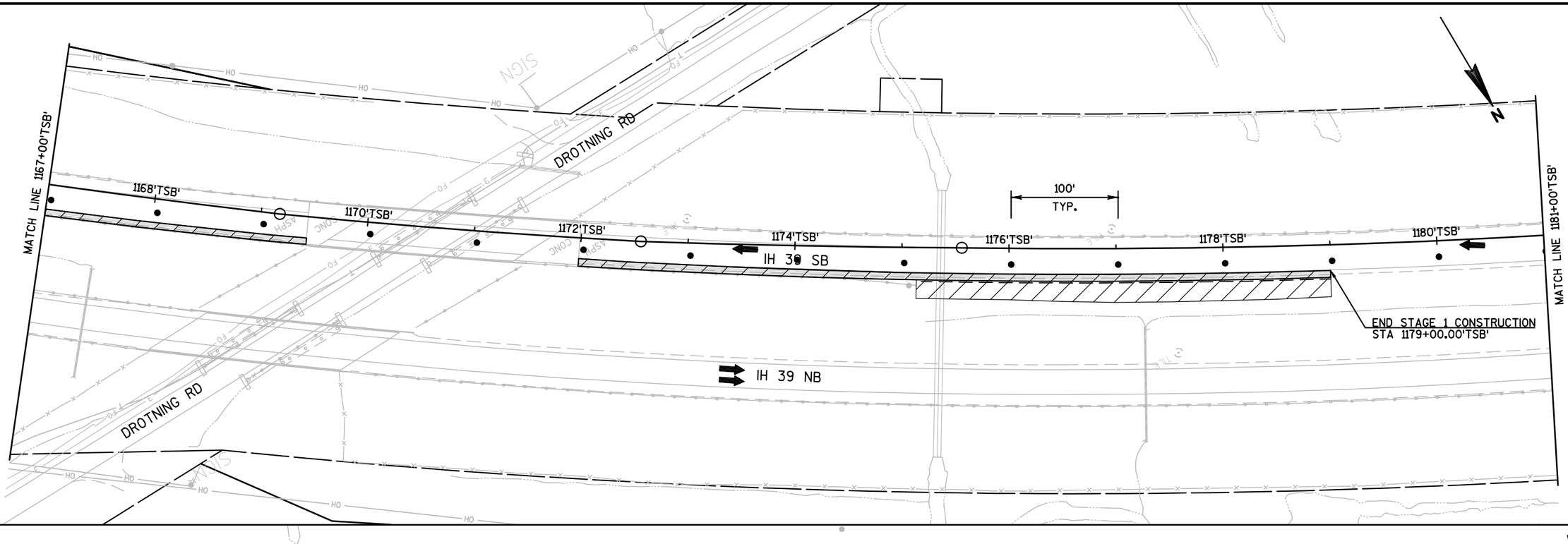
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 NIGHTTIME	PAGE 05 OF 06	SHEET	E

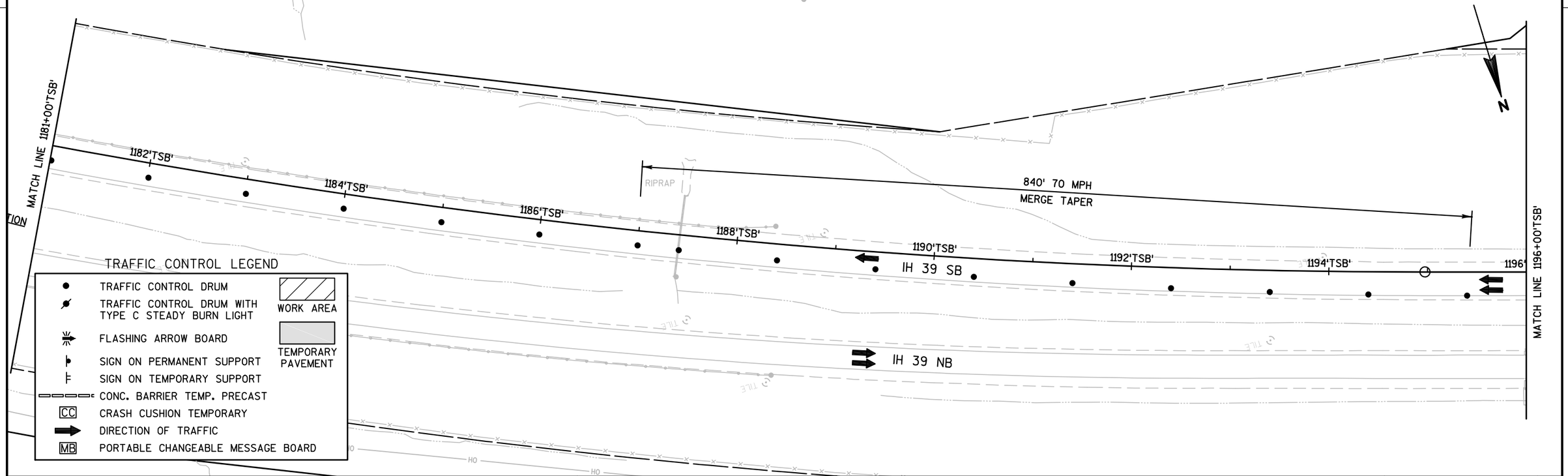
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

FILE NAME : 025000_TC_STG_1 (TRF CNTRL STAGE 1).DWG PLOT DATE : 1/31/2017 10:14 PM PLOT BY : SEH LAYOUT NAME : 025005_TC_STG_1 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2





PROJECT NO:1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 NIGHTTIME	PAGE 06 OF 06	SHEET 110	E

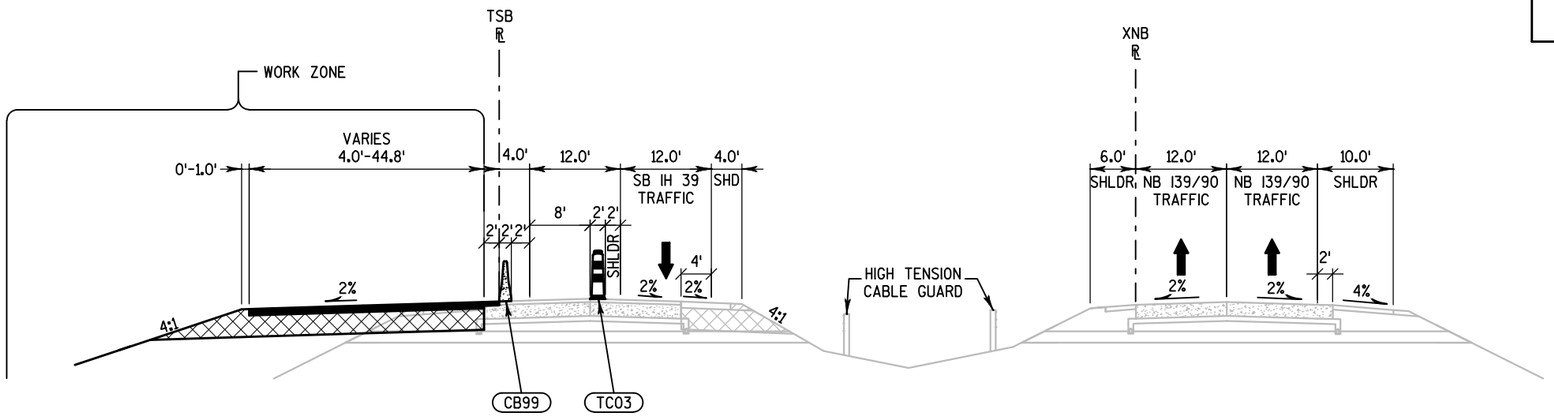
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

FILE NAME : 025000_TC_STG_1 (TRF CNTRL STAGE 1).DWG PLOT DATE : 1/31/2017 10:15 PM PLOT BY : SEH LAYOUT NAME : 025006_TC_STG_1 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

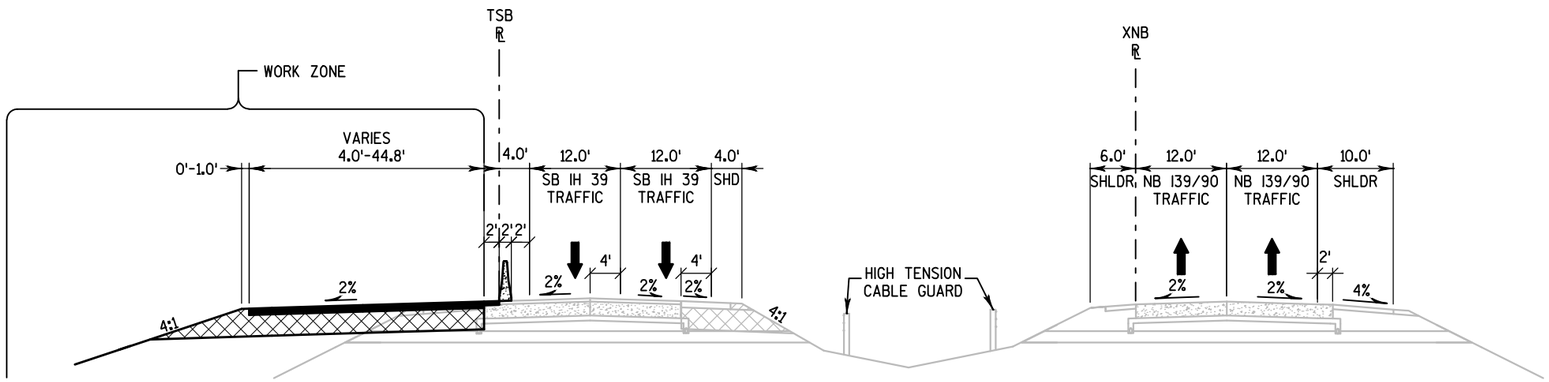
KEYED NOTE LEGEND

TC03	TRAFFIC CONTROL DRUM (100' SPACING TYPICAL)
CB99	CONCRETE BARRIER TEMPORARY PRECAST



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 2 - NIGHTTIME HOURS

STA 1003+74'TSB' TO 1246+00'TSB'



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 2 - DAYTIME HOURS

STA 1003+74'TSB' TO 1246+00'TSB'

SAVE FOLDER PATH=P:\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007101088\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TYPICAL SECTION (TRAFFIC CONTROL - STAGE 2)	SHEET	E

FILE NAME : 025301_TC_TS (TC TYP SEC SOUTH).DWG PLOT DATE : 3/2/2017 10:56 AM PLOT BY : SEH INC LAYOUT NAME : STG 2 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

STAGE 2 CONSTRUCTION SUMMARY

CONSTRUCTION OPERATIONS CONCURRENT WITH PROJECTS 1007-10-84 AND 1007-11-75.

CONSTRUCT TEMPORARY PAVEMENTS FOR SB IH 39 OUTSIDE SHOULDER WIDENING.

CONSTRUCT TEMPORARY BRIDGE WIDENINGS B-13-164, B-13-146, AND B-13-148.

CONSTRUCT TEMPORARY BRIDGE WIDENING B-13-148 ABUTMENTS AND PILINGS UTILIZING SHOULDER CLOSURES IN ADVANCE OF THE DETOUR ROUTE.

CONSTRUCT BOX CULVERT C-13-3084 STG 1.

MAINTENANCE OF TRAFFIC

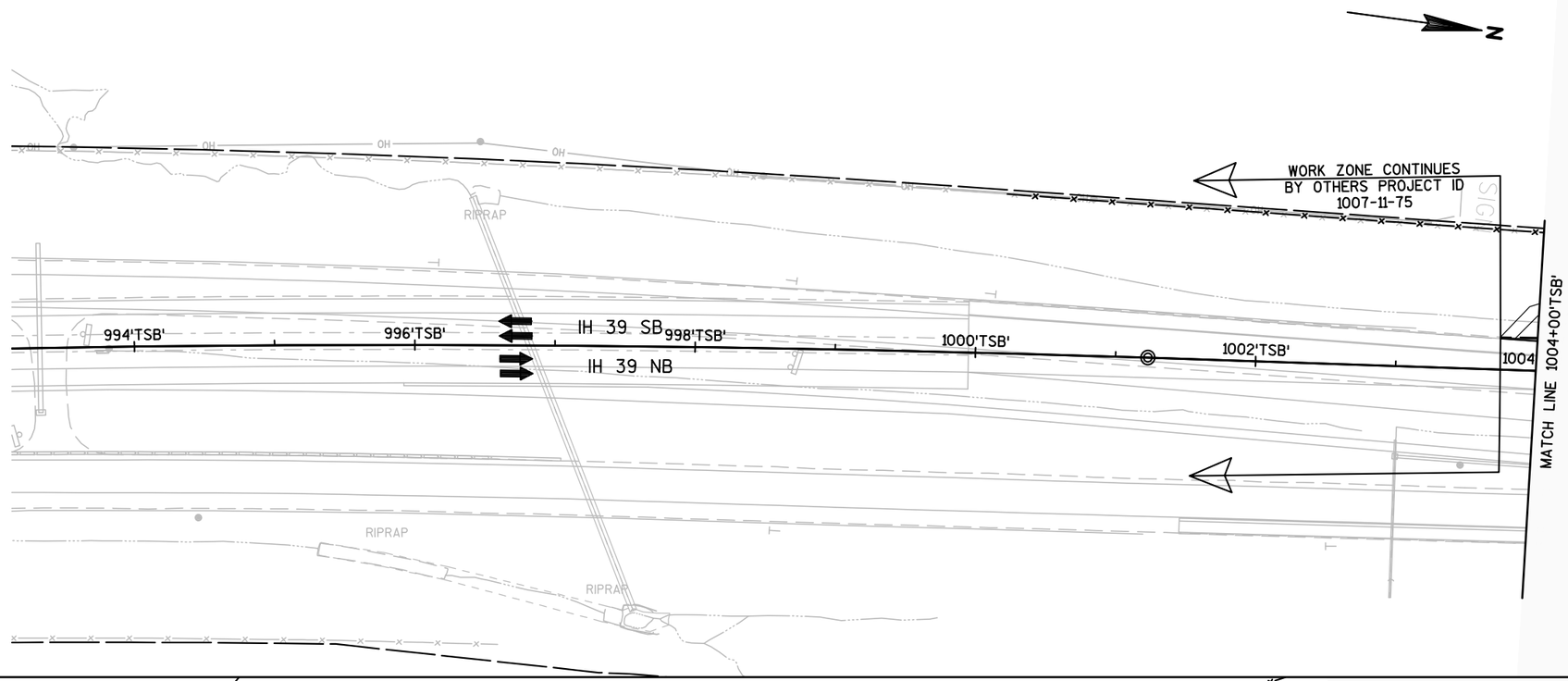
ALL MAINLINE SB IH 39 TRAFFIC SHALL REMAIN ON EXISTING/SHIFTED LANES DURING DAYTIME HOURS.

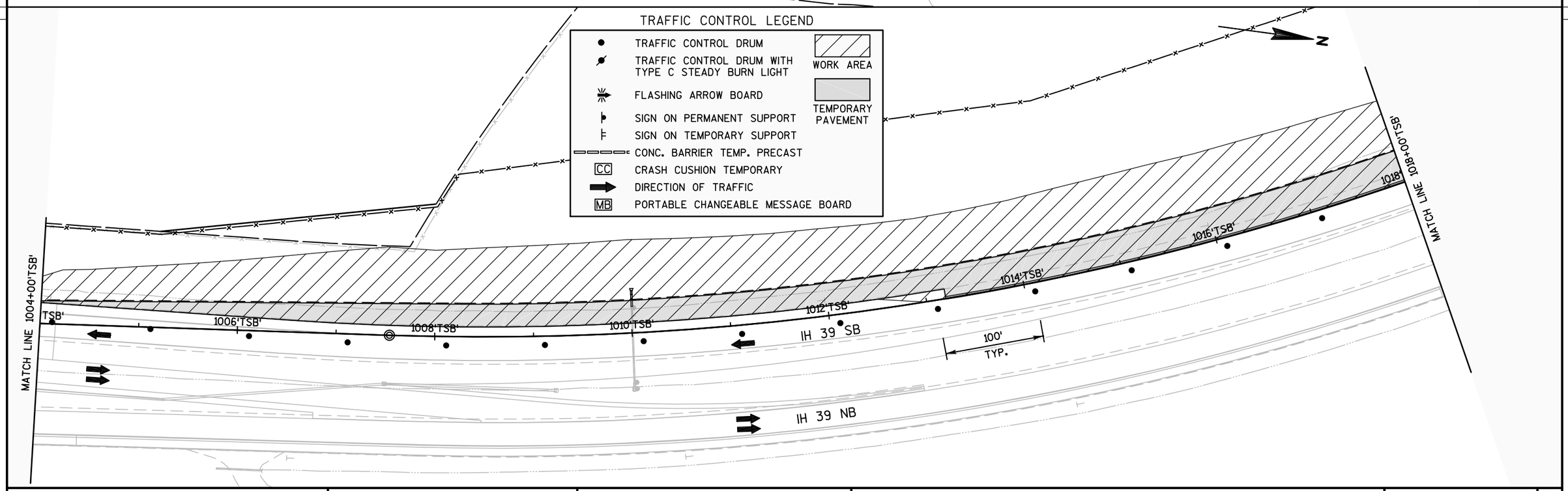
ALL MAINLINE NB IH 39 TRAFFIC SHALL REMAIN ON EXISTING LANES DURING DAYTIME HOURS.

ALL MAINLINE SB IH 39 TRAFFIC SHALL BE MERGED/SHIFTED TO THE MEDIAN SIDE LANE DURING NIGHTTIME HOURS.

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.





PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 01 OF 09	SHEET 112	E

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS\0250 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
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

MATCH LINE 1018+00'TSB'

1018'TSB'

1020'TSB'

1022'TSB'

1024'TSB'

1026'TSB'

1028'TSB'

1030'TSB'

1032

MATCH LINE 1032+00'TSB'

IH 39 SB

100'
TYP.

IH 39 NB

KEYNOTE LEGEND: PAVEMENT MARKING

- (T1) TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- (T2) TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
- (T3) TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

TRAFFIC CONTROL GAWK SCREEN REQ'D
STA 1041+10'TSB' TO STA 1044+90'TSB'

UTICA RD

MATCH LINE 1032+00'TSB'

1032'TSB'

1034'TSB'

1036'TSB'

1038'TSB'

1040'TSB'

1042'TSB'

1044'TSB'

1046'TSB'

MATCH LINE 1047+00'TSB'

+78

+78

100'
TYP.

T3 T2 T1

IH 39 SB

IH 39 NB

WIDEN CTH B BRIDGE

CTH B

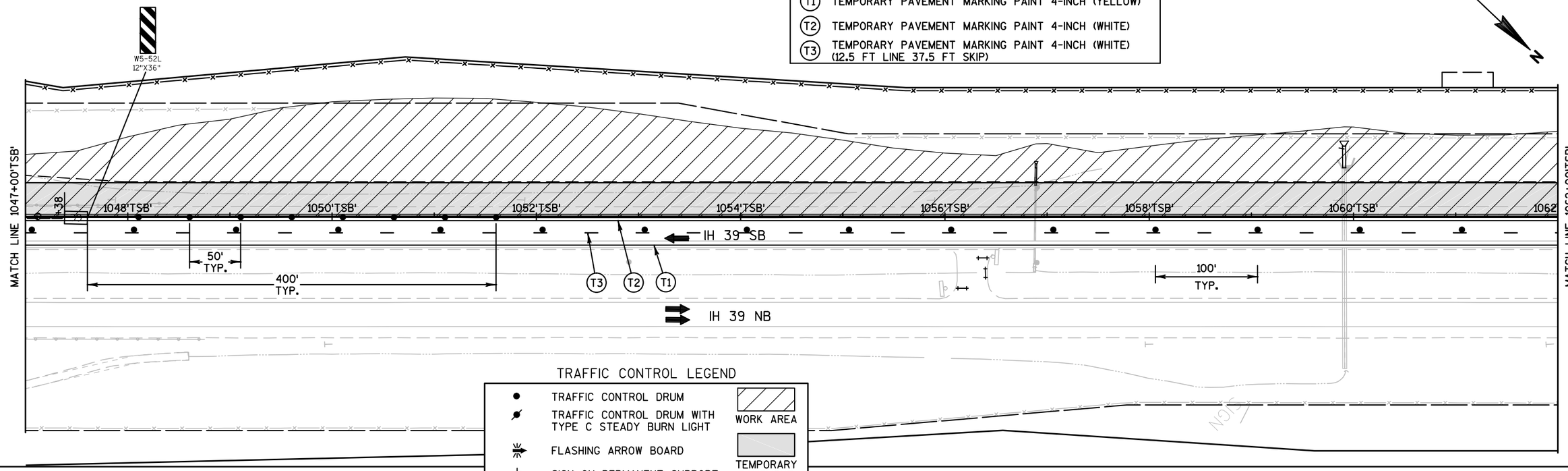
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 02 OF 09	SHEET	E

FILE NAME : 025000_TC_STG_2 (TRF CNTRL STAGE 2).DWG | PLOT DATE : 1/31/2017 10:16 PM | PLOT BY : SEH | LAYOUT NAME : 025002_TC_STG 2 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

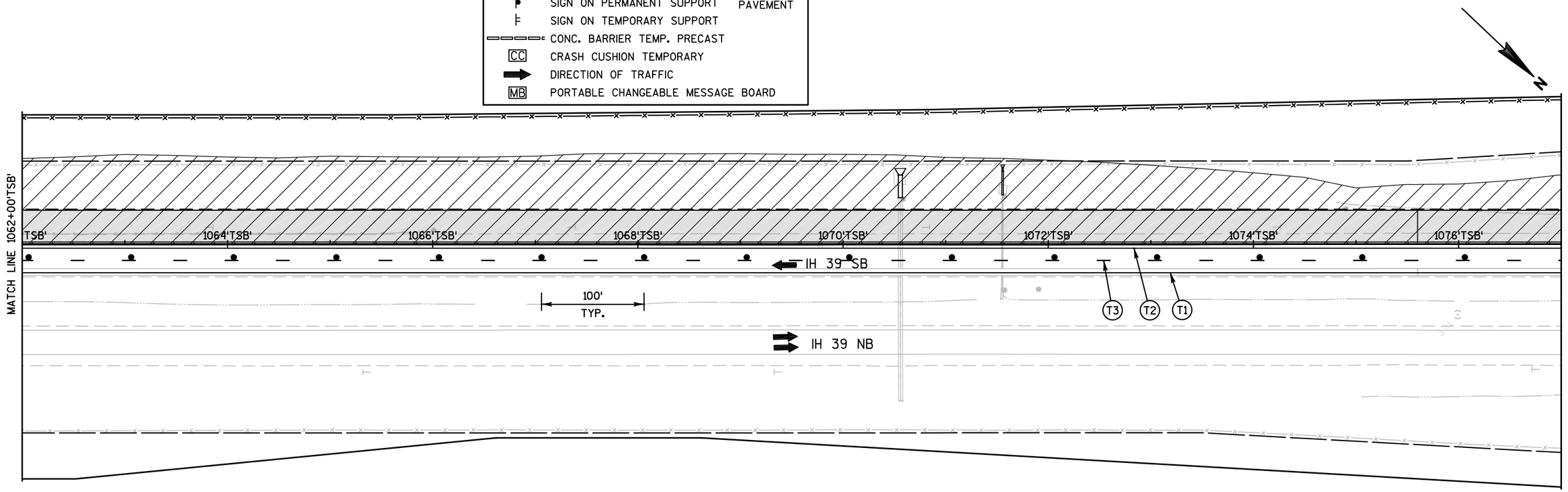
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING PAINT 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
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 03 OF 09	SHEET E

FILE NAME : 025000_TC_STG_2 (TRF CNTRL STAGE 2).DWG | PLOT DATE : 1/31/2017 10:16 PM | PLOT BY : SEH | LAYOUT NAME : 025003_TC_STG 2 | 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\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

MATCH LINE 1077+00'TSB'

1078'TSB' 1080'TSB' 1082'TSB' 1084'TSB' 1086'TSB' 1088'TSB' 1090'TSB' 1092

MATCH LINE 1092+00'TSB'

IH 39 SB

T3 T2 T1

100' TYP.

IH 39 NB

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
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

WORK AREA

TEMPORARY PAVEMENT

CTH W

WIDEN CTH W BRIDGE

MATCH LINE 1092+00'TSB'

TSB' 1094'TSB' 1096'TSB' 1098'TSB' 1100'TSB' 1102'TSB' 1104'TSB' 1106'TSB'

IH 39 SB

100' TYP.

T3 T2 T1

IH 39 NB

TRAFFIC CONTROL GAWK SCREEN REQ'D STA 1101+25'TSB' TO STA 1105+50'TSB'

SOIL PRECONSOLIDATION AREA

CTH W

MATCH LINE 1107+00'TSB'

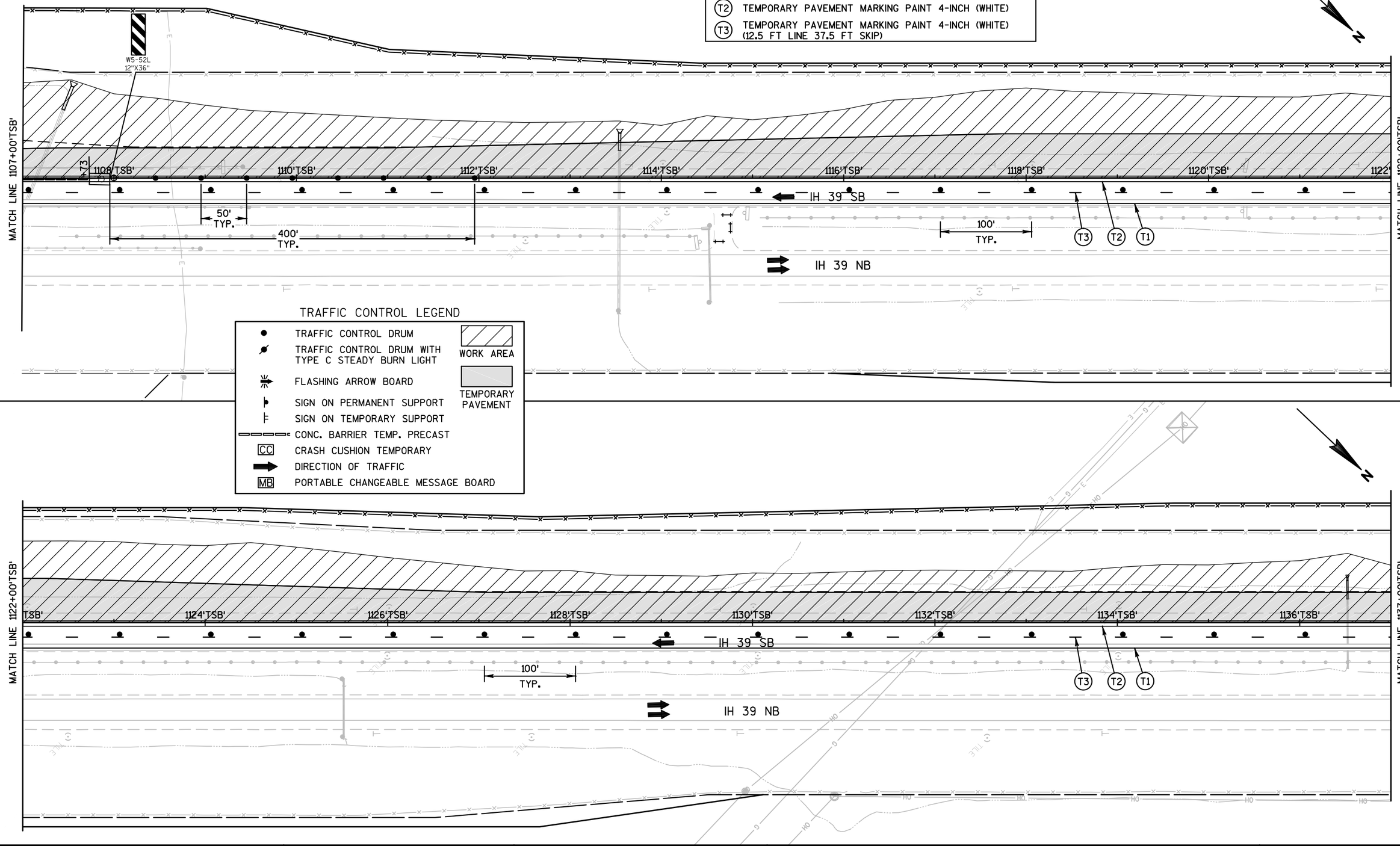
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 04 OF 09	SHEET E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

FILE NAME : 025000_TC_STG_2 (TRF CNTRL STAGE 2).DWG PLOT DATE : 1/31/2017 10:16 PM PLOT BY : SEH LAYOUT NAME : 025004_TC_STG 2 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING PAINT 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
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

WORK AREA

TEMPORARY PAVEMENT

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 05 OF 09	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

FILE NAME : 025000_TC_STG_2 (TRF CNTRL STAGE 2).DWG | PLOT DATE : 1/31/2017 10:16 PM | PLOT BY : SEH | LAYOUT NAME : 025005_TC_STG 2 | PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 1137+00'TSB'

1138'TSB' 1140'TSB' 1142'TSB' 1144'TSB' 1146'TSB' 1148'TSB' 1150'TSB' 1152'

MATCH LINE 1152+00'TSB'

IH 39 SB

100'
TYP.

IH 39 NB

T3 T2 T1

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
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

WORK AREA

TEMPORARY PAVEMENT

KEYNOTE LEGEND: PAVEMENT MARKING

T1	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)

MATCH LINE 1152+00'TSB'

TSB' 1154'TSB' 1156'TSB' 1158'TSB' 1160'TSB' 1162'TSB' 1164'TSB' 1166'TSB'

MATCH LINE 1167+00'TSB'

IH 39 SB

100'
TYP.

IH 39 NB

T3 T2 T1

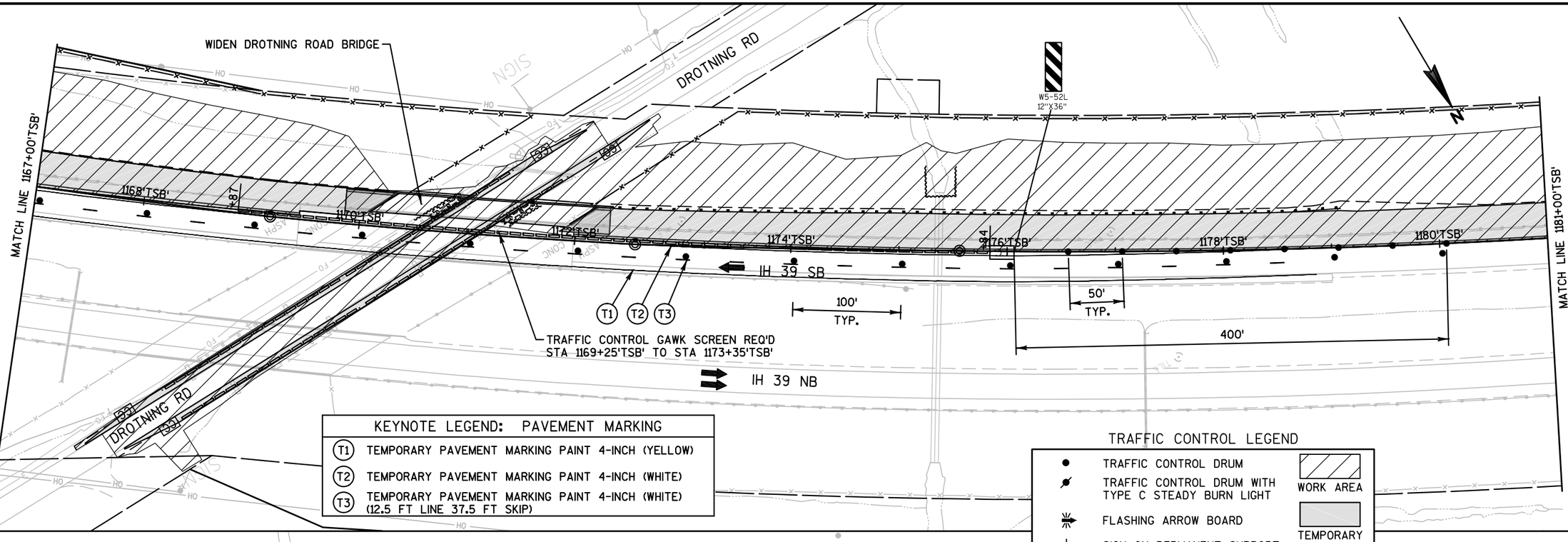
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 06 OF 09	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

FILE NAME : 025000_TC_STG_2 (TRF CNTRL STAGE 2).DWG PLOT DATE : 1/31/2017 10:17 PM PLOT BY : SEH LAYOUT NAME : 025006_TC_STG 2 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

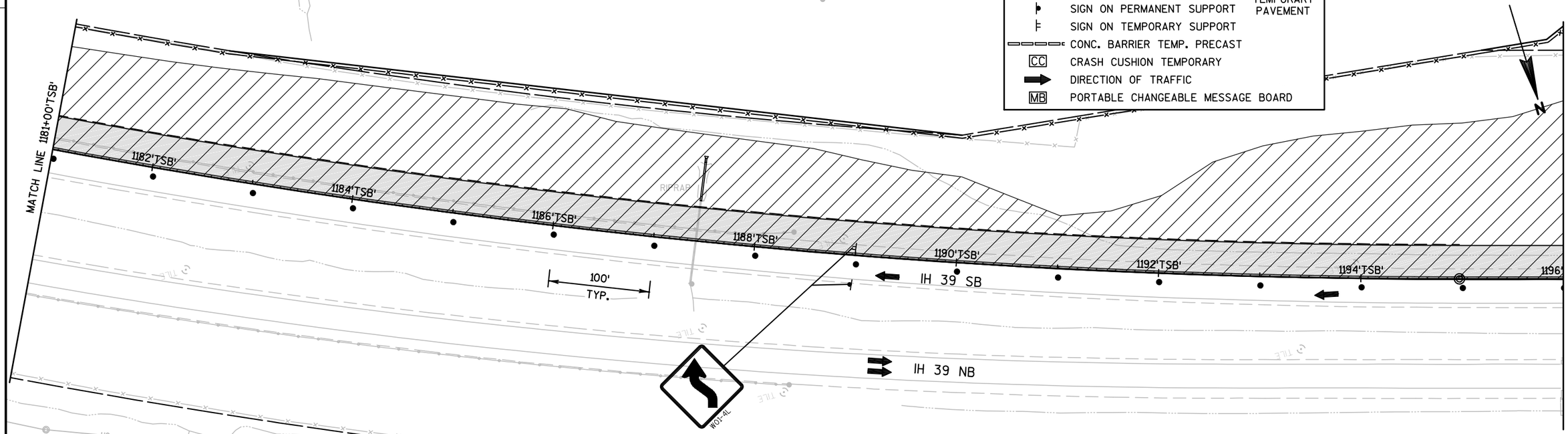
2



KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING PAINT 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
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 07 OF 09	SHEET 118	E

FILE NAME : 025000_TC_STG_2 (TRF CNTRL STAGE 2).DWG PLOT DATE : 1/31/2017 10:17 PM PLOT BY : SEH LAYOUT NAME : 025007_TC_STG 2 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\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 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
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

MATCH LINE 1196+00'TSB'

1198'TSB' 1200'TSB' 1202'TSB' 1204'TSB' 1206'TSB' 1208'TSB' 1210'TSB'

MATCH LINE 1211+00'TSB'

IH 39 SB

IH 39 NB

100' TYP.

C'TH BN

C'TH BN

N

MATCH LINE 1211+00'TSB'

1212'TSB' 1214'TSB' 1216'TSB' 1218'TSB' 1220'TSB' 1222'TSB' 1224'TSB' 1226

MATCH LINE 1226+00'TSB'

IH 39 SB

100' TYP.

IH 39 NB

CHURCH ST

N

2

SAVE FOLDER PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 08 OF 09	SHEET 119	E

FILE NAME : 025000_TC_STG_2 (TRF CNTRL STAGE 2).DWG PLOT DATE : 3/6/2017 9:52 AM PLOT BY : SEH LAYOUT NAME : 025008_TC_STG 2 PLOT SCALE : 1.0 IN = 100.0 FT

2

2

C-13-3084 STG 1

W5-52L
12"X36"

MATCH LINE 1226+00'TSB'

MATCH LINE 1241+00'TSB'

TSB'
1228'TSB'
1230'TSB'
1232'TSB'
1234'TSB'
1236'TSB'
1238'TSB'
1240'TSB'

50'
TYP.
400'

100'
TYP.

IH 39 SB

IH 39 NB

CHURCH ST

SB WIDENING WORK ZONE
UNDER PROJECT ID
1007-10-84

1242'TSB'
1244'TSB'
1246'TSB'
1248'TSB'
1250'TSB'
1252'TSB'
1254'TSB'
1256'TSB'

IH 39 SB

IH 39 NB

N

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
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	PAGE 09 OF 09	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

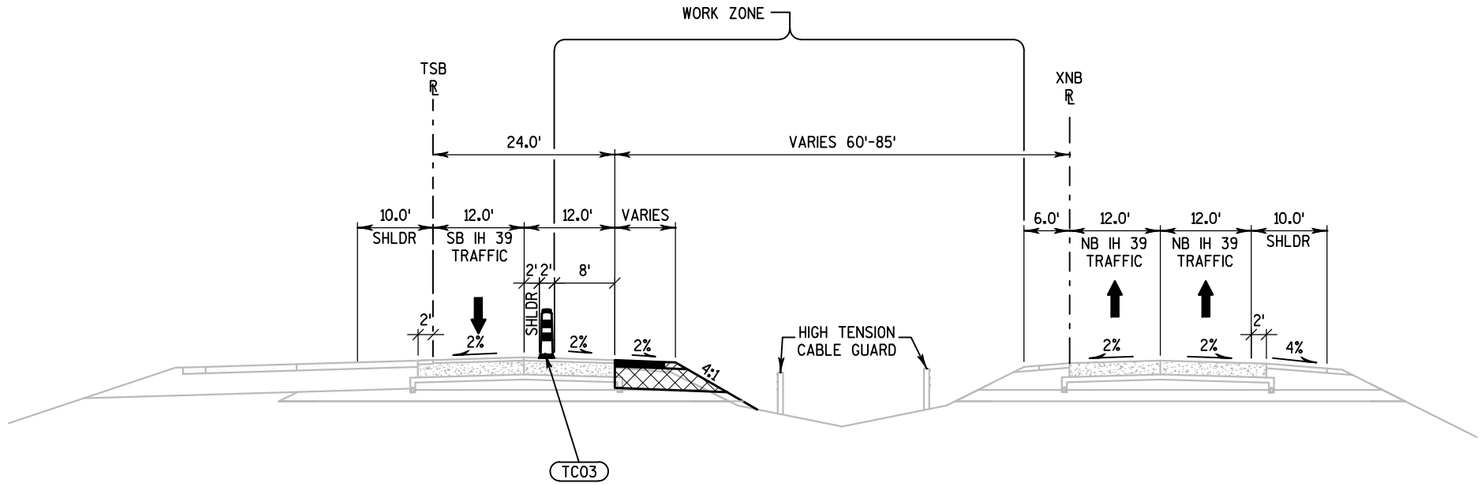
FILE NAME : 025000_TC_STG_2 (TRF CNTRL STAGE 2).DWG PLOT DATE : 1/31/2017 10:17 PM PLOT BY : SEH LAYOUT NAME : 025009_TC_STG 2 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

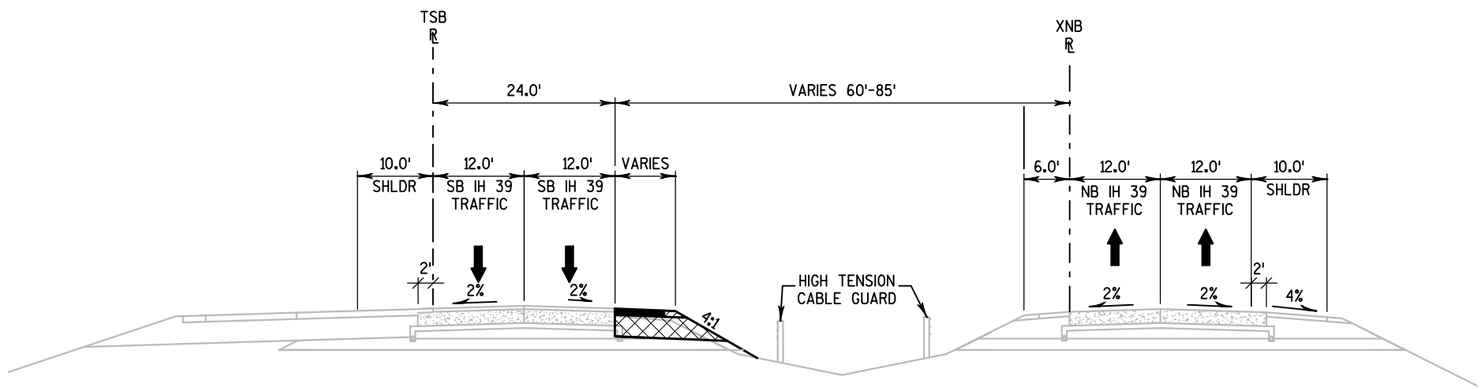
KEYED NOTE LEGEND

TC03 TRAFFIC CONTROL DRUM (100' SPACING TYPICAL)



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 3 - NIGHTTIME HOURS

STA 1019+20'TSB' TO 1036+00'TSB'
STA 1179+00'TSB' TO 1246+00'TSB'



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 3 - DAYTIME HOURS

STA 1019+20'TSB' TO 1036+00'TSB'
STA 1179+00'TSB' TO 1246+00'TSB'

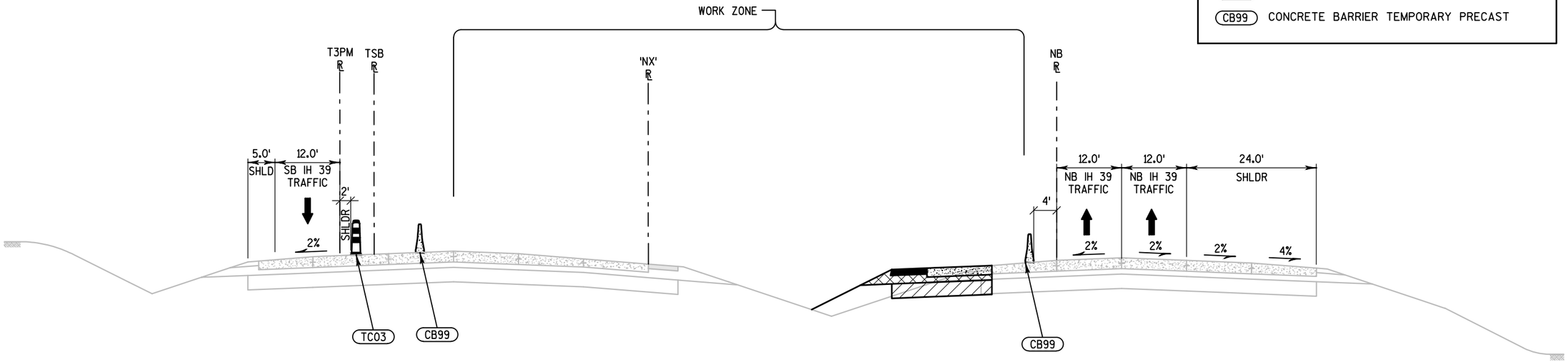
PROJECT NO:1007-10-88	HWY: IH 39	COUNTY: DANE	TYPICAL SECTION (TRAFFIC CONTROL - STAGE 3)	SHEET 121	E

SAVE FOLDER PATH:P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

2

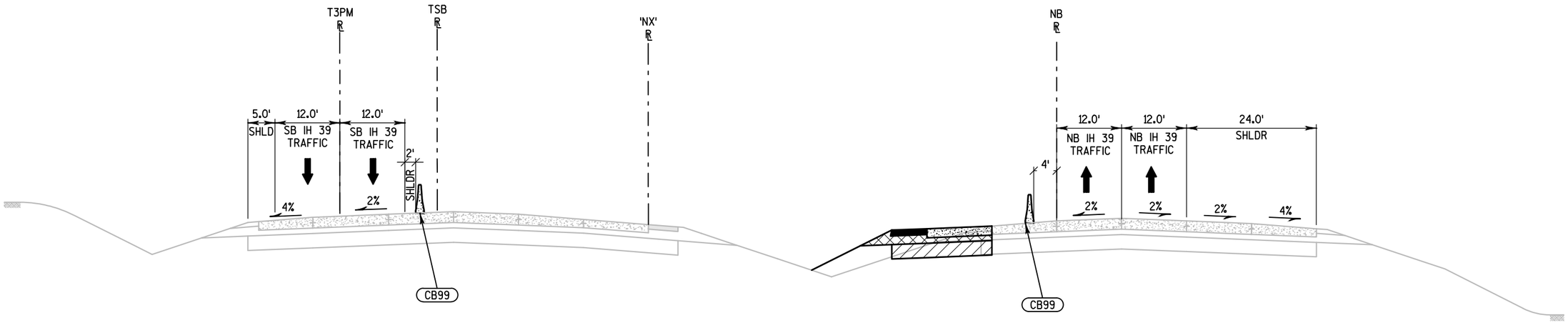
KEYED NOTE LEGEND

TC03	TRAFFIC CONTROL DRUM (100' SPACING TYPICAL)
CB99	CONCRETE BARRIER TEMPORARY PRECAST



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 3 - NIGHTTIME HOURS

STA 994+73'TSB' TO 998+59'TSB'



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 3 - DAYTIME HOURS

STA 994+73'TSB' TO 998+59'TSB'

PROJECT NO:1007-10-88	HWY: IH 39	COUNTY: DANE	TYPICAL SECTION (TRAFFIC CONTROL - STAGE 3)	SHEET	E

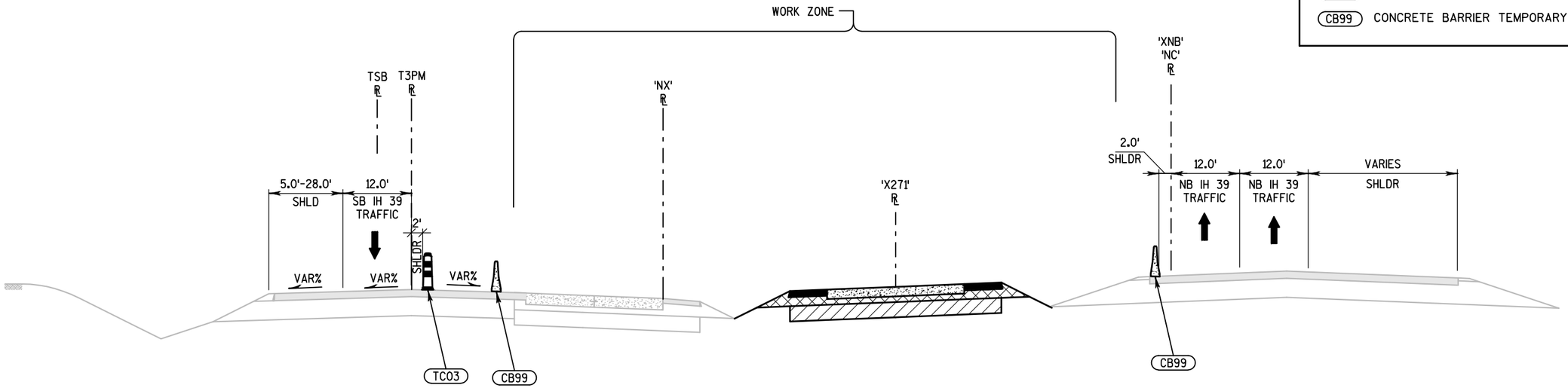
SAVE FOLDER PATH:P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

FILE NAME : 025301_TC_TS (TC TYP SEC SOUTH).DWG PLOT DATE : 2/1/2017 10:03 AM PLOT BY : SEH INC LAYOUT NAME : STG 3 XOVER PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

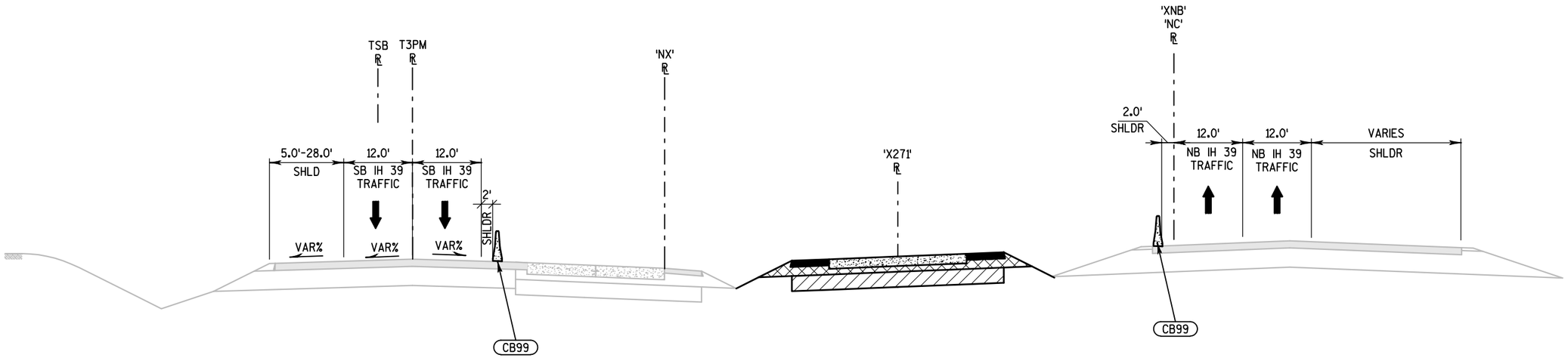
KEYED NOTE LEGEND

TC03	TRAFFIC CONTROL DRUM (100' SPACING TYPICAL)
CB99	CONCRETE BARRIER TEMPORARY PRECAST



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 3 - NIGHTTIME HOURS

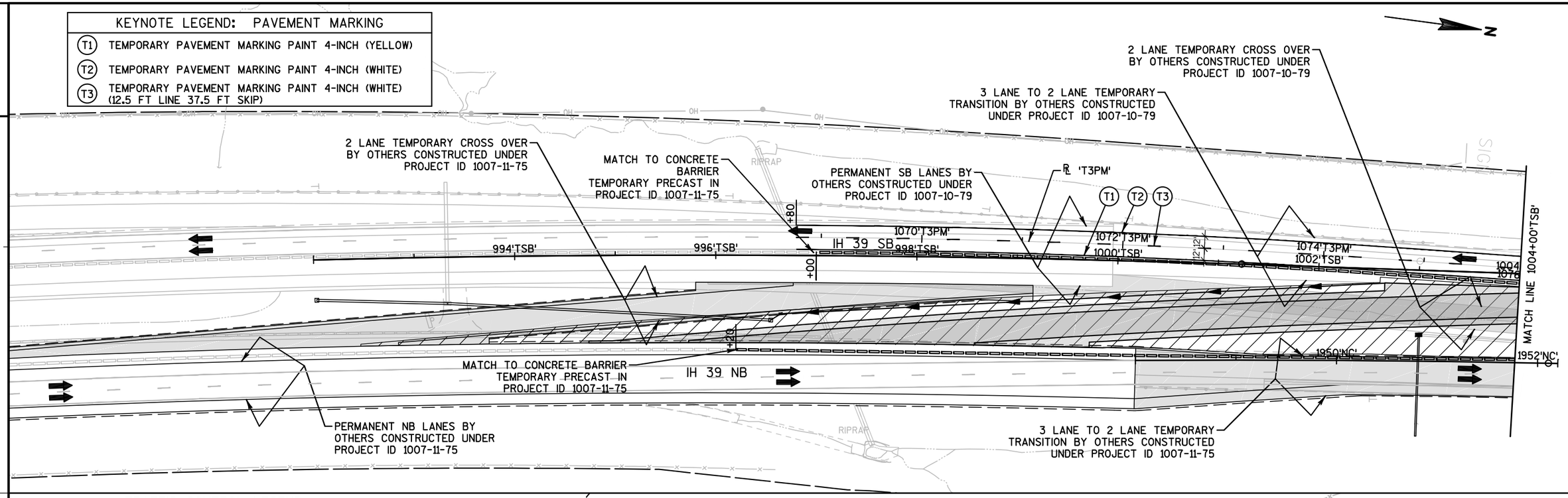
STA 998+59'TSB' TO 1004+40'TSB'



TYPICAL FINISHED SECTION - TRAFFIC CONTROL
STAGE 3 - DAYTIME HOURS

STA 999+95'TSB' TO 1004+40'TSB'

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING PAINT 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
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

STAGE 3 CONSTRUCTION SUMMARY

CONSTRUCTION OPERATIONS CONCURRENT WITH PROJECTS 1007-10-84 AND 1007-11-75.

CONSTRUCT REMAINING TEMPORARY PAVEMENTS FOR SB IH 39 MEDIAN SIDE SHOULDER WIDENING.

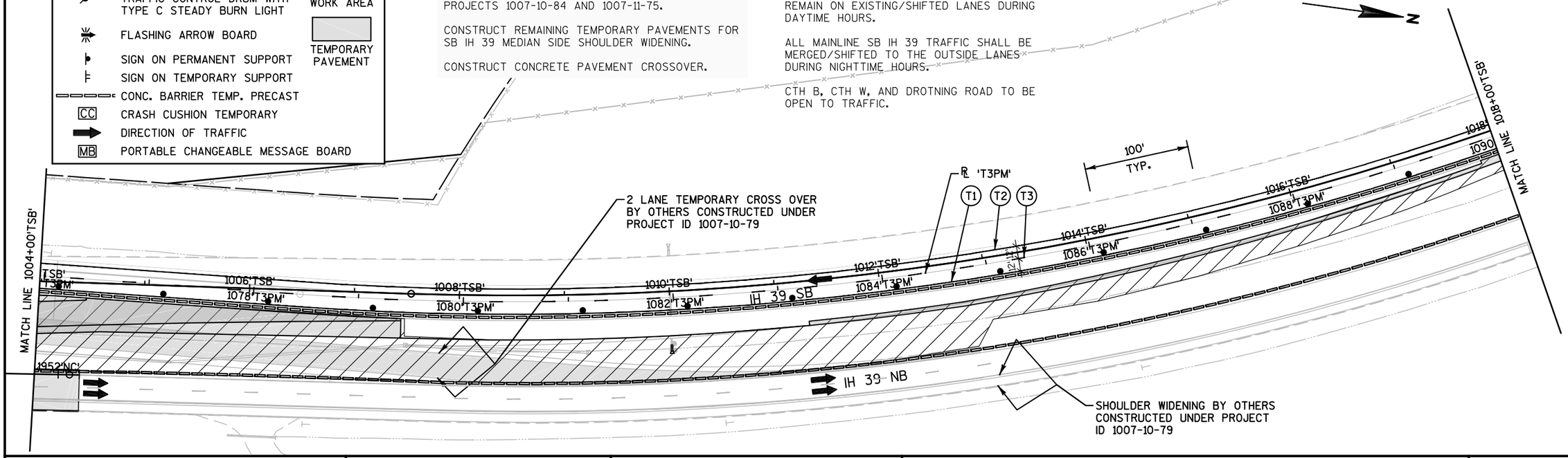
CONSTRUCT CONCRETE PAVEMENT CROSSOVER.

MAINTENANCE OF TRAFFIC

ALL MAINLINE NB/SB IH 39 TRAFFIC SHALL REMAIN ON EXISTING/SHIFTED LANES DURING DAYTIME HOURS.

ALL MAINLINE SB IH 39 TRAFFIC SHALL BE MERGED/SHIFTED TO THE OUTSIDE LANES DURING NIGHTTIME HOURS.

CTH B, CTH W, AND DROTNING ROAD TO BE OPEN TO TRAFFIC.



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	PAGE 01 OF 09	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL
FILE NAME : 025000_TC_STG_3 (TRF CNTRL STAGE 3).DWG
PLOT DATE : 1/31/2017 10:18 PM
PLOT BY : SEH
LAYOUT NAME : 025001_TC_STG 3
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PAVEMENT MARKING	
T1	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
T2	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
T3	TEMPORARY PAVEMENT MARKING PAINT 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
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

MATCH LINE 1018+00'TSB'
'TSB'
'T3PM'
1020'TSB'
1092'T3PM'
100' TYP.
℄ 'T3PM'
T1 T2 T3
1022'TSB'
1094'T3PM'
12'-12'-37'-12'
1024'TSB'
1096'T3PM'
IH 39 SB
1026'TSB'
1098'T3PM'
W5-52R 12"X36"
+91
1028'TSB'
1100'T3PM'
1030'TSB'
1102'T3PM'
+11
1032
50' TYP.
400'
IH 39 NB
MATCH LINE 1032+00'TSB'

UTICA RD
W01-4R
MATCH LINE 1032+00'TSB'
TSB'
1034'TSB'
1036'TSB'
1038'TSB'
1040'TSB'
1042'TSB'
1044'TSB'
1046'TSB'
100' TYP.
IH 39 SB
+00
IH 39 NB
CTH B
MATCH LINE 1047+00'TSB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	PAGE 02 OF 09	SHEET	E

FILE NAME : 025000_TC_STG_3 (TRF CNTRL STAGE 3).DWG | PLOT DATE : 1/31/2017 10:19 PM | PLOT BY : SEH | LAYOUT NAME : 025002_TC_STG 3 | 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\1007108B\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

2

2

MATCH LINE 1047+00'TSB'

100'
TYP.

1048'TSB' 1050'TSB' 1052'TSB' 1054'TSB' 1056'TSB' 1058'TSB' 1060'TSB' 1062

IH 39 SB

IH 39 NB

MATCH LINE 1062+00'TSB'

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
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

WORK AREA

TEMPORARY PAVEMENT

MATCH LINE 1062+00'TSB'

100'
TYP.

TSB' 1064'TSB' 1066'TSB' 1068'TSB' 1070'TSB' 1072'TSB' 1074'TSB' 1076'TSB'

IH 39 SB

IH 39 NB

MATCH LINE 1077+00'TSB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	PAGE 03 OF 09	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

FILE NAME : 025000_TC_STG_3 (TRF CNTRL STAGE 3).DWG PLOT DATE : 1/31/2017 10:19 PM PLOT BY : SEH LAYOUT NAME : 025003_TC_STG 3 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 1077+00'TSB'

MATCH LINE 1092+00'TSB'

100'
TYP.

1078'TSB' 1080'TSB' 1082'TSB' 1084'TSB' 1086'TSB' 1088'TSB' 1090'TSB' 1092

IH 39 SB

IH 39 NB

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
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

WORK AREA

TEMPORARY PAVEMENT

CTH W

MATCH LINE 1092+00'TSB'

MATCH LINE 1107+00'TSB'

100'
TYP.

TSB' 1094'TSB' 1096'TSB' 1098'TSB' 1100'TSB' 1102'TSB' 1104'TSB' 1106'TSB'

IH 39 SB

IH 39 NB

CTH W

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	PAGE 04 OF 09	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

FILE NAME : 025000_TC_STG_3 (TRF CNTRL STAGE 3).DWG PLOT DATE : 1/31/2017 10:19 PM PLOT BY : SEH LAYOUT NAME : 025004_TC_STG 3 PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 1107+00'TSB'

100'
TYP.

1108'TSB' 1110'TSB' 1112'TSB' 1114'TSB' 1116'TSB' 1118'TSB' 1120'TSB' 1122'

IH 39 SB

IH 39 NB

MATCH LINE 1122+00'TSB'

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
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

WORK AREA

TEMPORARY PAVEMENT

MATCH LINE 1122+00'TSB'

100'
TYP.

TSB' 1124'TSB' 1126'TSB' 1128'TSB' 1130'TSB' 1132'TSB' 1134'TSB' 1136'TSB'

IH 39 SB

IH 39 NB

MATCH LINE 1137+00'TSB'

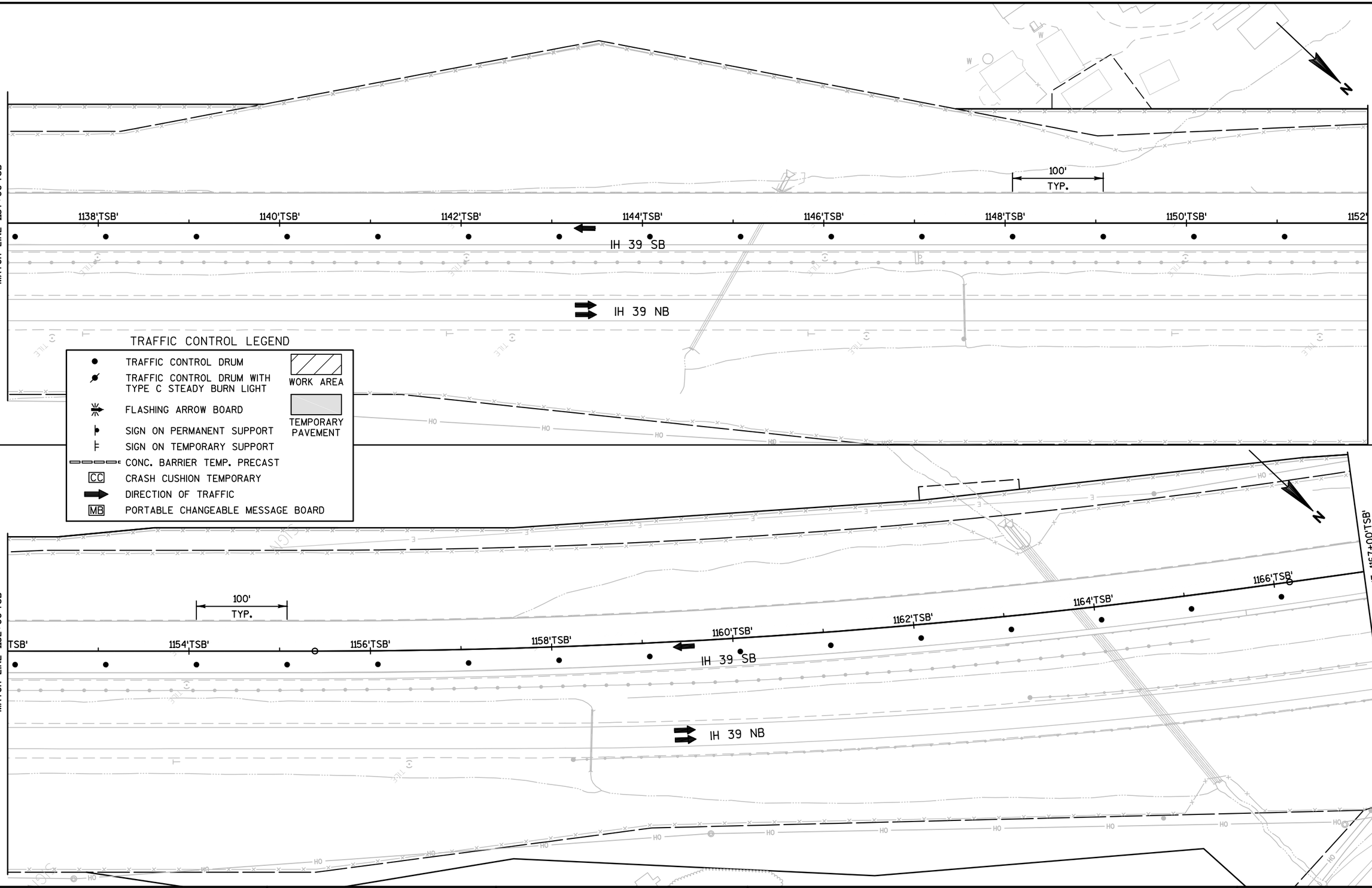
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	PAGE 05 OF 09	SHEET	E

FILE NAME : 025000_TC_STG_3 (TRF CNTRL STAGE 3).DWG PLOT DATE : 1/31/2017 10:19 PM PLOT BY : SEH LAYOUT NAME : 025005_TC_STG 3 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\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

2

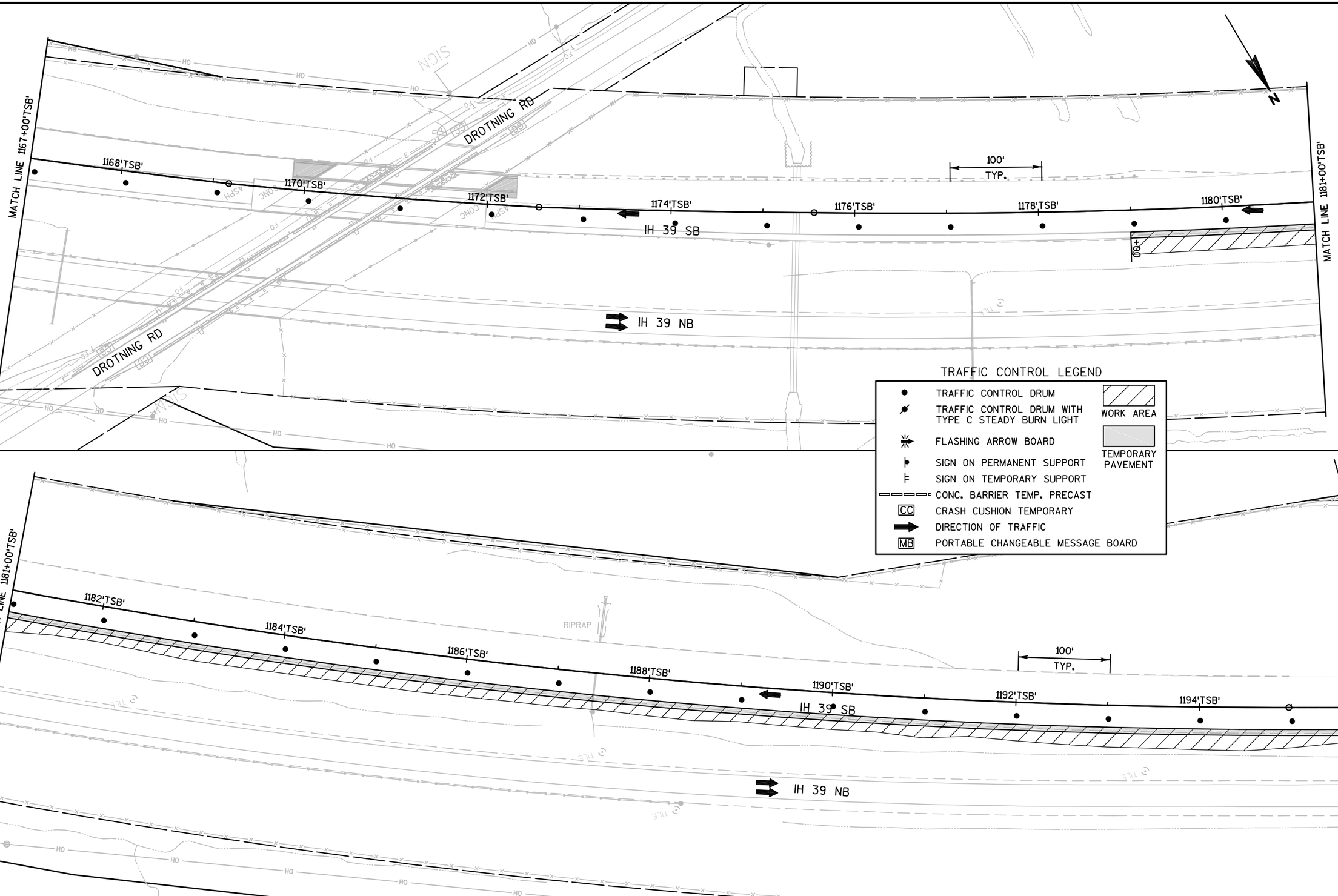


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	PAGE 06 OF 09	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

FILE NAME : 025000_TC_STG_3 (TRF CNTRL STAGE 3).DWG
PLOT DATE : 1/31/2017 10:19 PM
PLOT BY : SEH
LAYOUT NAME : 025006_TC_STG 3
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

2



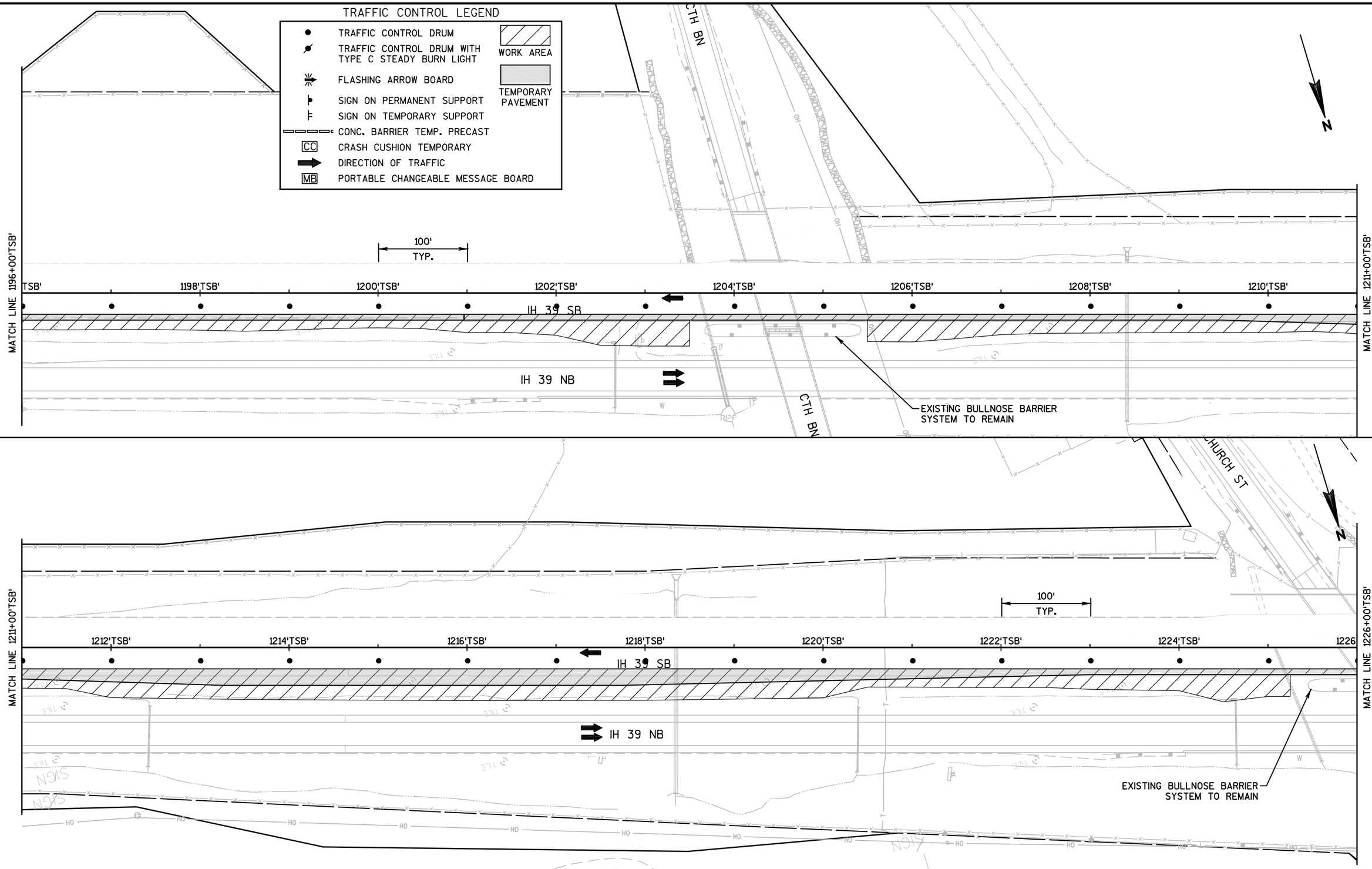
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	PAGE 07 OF 09	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

FILE NAME : 025000_TC_STG_3 (TRF CNTRL STAGE 3).DWG
PLOT DATE : 1/31/2017 10:20 PM
PLOT BY : SEH
LAYOUT NAME : 025007_TC_STG 3
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

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
- CONC. BARRIER TEMP. PRECAST
- CC — CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	PAGE 08 OF 09	SHEET	E

FILE NAME : 025000_TC_STG_3 (TRF CNTRL STAGE 3).DWG | PLOT DATE : 1/31/2017 10:20 PM | PLOT BY : SEH | LAYOUT NAME : 025008_TC_STG 3 | 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\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

2

2

MATCH LINE 1226+00'TSB'

MATCH LINE 1241+00'TSB'

1228'TSB' 1230'TSB' 1232'TSB' 1234'TSB' 1236'TSB' 1238'TSB' 1240'TSB'

IH 39 SB

IH 39 NB

100' TYP.

CHURCH ST

SB WIDENING WORK ZONE BY UNDER PROJECT ID 1007-10-84

1242'TSB' 1244'TSB' 1246'TSB' 1248'TSB' 1250'TSB' 1252'TSB' 1254'TSB' 1256'TSB'

IH 39 SB

IH 39 NB

100' TYP.

N

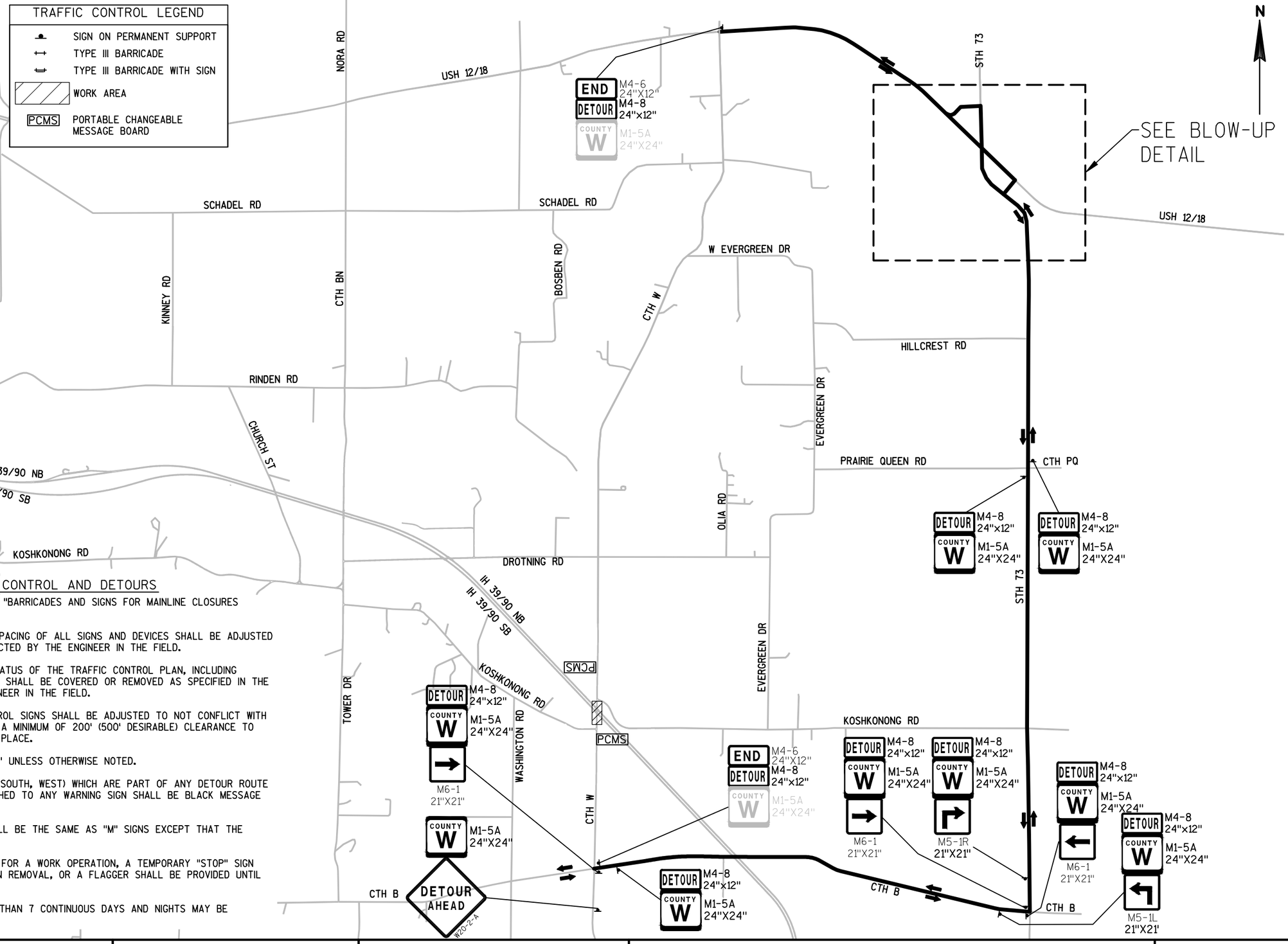
TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- CONC. BARRIER TEMP. PRECAST
- CC CRASH CUSHION TEMPORARY
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA
- TEMPORARY PAVEMENT

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	PAGE 09 OF 09	SHEET	E

FILE NAME : 025000_TC_STG_3 (TRF CNTRL STAGE 3).DWG PLOT DATE : 1/31/2017 10:20 PM PLOT BY : SEH LAYOUT NAME : 025009_TC_STG 3 PLOT SCALE : 1.0 IN = 100.0 FT WISDOT/CADDS SHEET 42

2



GENERAL NOTES: TRAFFIC CONTROL AND 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.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHALL BE ADJUSTED TO NOT CONFLICT WITH EXISTING SIGNS AND SHOULD PROVIDE A MINIMUM OF 200' (500' DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.

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.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN: DETOUR PLAN - CTH W	SHEET E

FILE NAME : 027001_DT (CTH W DETOUR PLAN).DWG | PLOT DATE : 1/31/2017 10:20 PM | PLOT BY : SEH INC | LAYOUT NAME : 027001_DT | PLOT SCALE : 1 IN:3000 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108\SEC 02

2

TRAFFIC CONTROL LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- WORK AREA
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

N

CTH W

END
DETOUR
M4-6 24"X12"
M4-8 24"x12"
COUNTY W
M1-5A 24"X24"

USH 12/18

STH 73

DETOUR
M4-8 24"x12"
COUNTY W
M1-5A 24"X24"
M6-1 21"X21"

DETOUR
M4-8 24"x12"
COUNTY W
M1-5A 24"X24"
M6-1 21"X21"

DETOUR
M4-8 24"x12"
COUNTY W
M1-5A 24"X24"
M5-1R 21"X21"

DETOUR
M4-8 24"x12"
COUNTY W
M1-5A 24"X24"
M6-1 21"X21"

DETOUR
M4-8 24"x12"
COUNTY W
M1-5A 24"X24"
M6-1 21"X21"

DETOUR
M4-8 24"x12"
COUNTY W
M1-5A 24"X24"

DETOUR
M4-8 24"x12"
COUNTY W
M1-5A 24"X24"
M6-1 21"X21"

USH 12/18

STH 73

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN: DETOUR PLAN - CTH W - BLOW UP DETAIL	SHEET	E

FILE NAME : 027001_DT (CTH W DETOUR PLAN).DWG
PLOT DATE : 1/31/2017 10:20 PM
PLOT BY : SEH INC
LAYOUT NAME : 027001_DT (2)
PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\100710001\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL SEC 02 TYP

2

TRAFFIC CONTROL LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- WORK AREA
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

N

SEE BLOW-UP DETAIL

CTH N
N STAR RD
PARK ST
KINNEY RD
NORA RD
CTH BN
BOSBEN RD
USH 12/18
SCHADEL RD
STH 73
W EVERGREEN DR
CTH W
HILLCREST RD
EVERGREEN DR
RINDEN RD
CHURCH ST
OLIA RD
PRAIRIE QUEEN RD
CTH PQ
IH 39/90 NB
IH 39/90 SB
KOSHKONONG RD
DROTNING RD
TOWER DR
WASHINGTON RD
CTH B

DETOUR M4-8 24"x12"
COUNTY B M1-5A 24"X24"
END M4-6 24"X12"
DETOUR AHEAD W20-2-A
M5-1L 21"X21"
M6-1 21"X21"
M5-1R 21"X21"
PCMS

GENERAL NOTES: TRAFFIC CONTROL AND 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.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHALL BE ADJUSTED TO NOT CONFLICT WITH EXISTING SIGNS AND SHOULD PROVIDE A MINIMUM OF 200' (500' DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.

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.

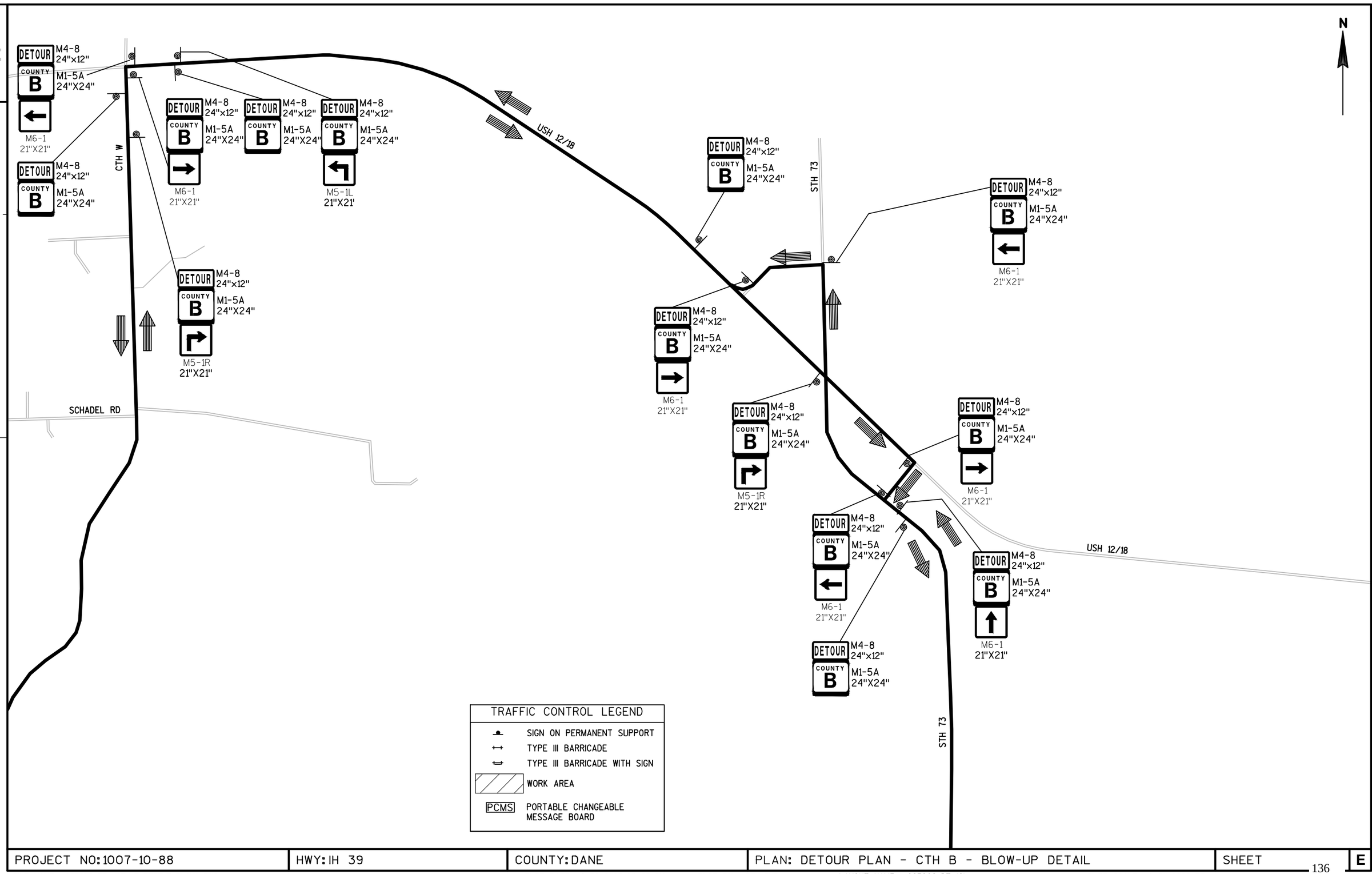
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN: DETOUR PLAN - CTH B	SHEET E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

FILE NAME : 027002_DT (CTH B DETOUR PLAN).DWG | PLOT DATE : 1/31/2017 10:20 PM | PLOT BY : SEH INC | LAYOUT NAME : 027002_DT | PLOT SCALE : 1 IN:3000 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN: DETOUR PLAN - CTH B - BLOW-UP DETAIL	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\DV\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS\0250 TRAFFIC CONTROL

FILE NAME : 027002_DT (CTH B DETOUR PLAN).DWG
PLOT DATE : 1/31/2017 10:20 PM
PLOT BY : SEH INC
LAYOUT NAME : 027002_DT (2)
PLOT SCALE : 1 IN:1000 FT

BEGIN PROJECT 1007-10-88
STA 994+73.22'TSB'
Y=439,566.3684
X=897,713.8443

STA 992+00.00'TSB' POT:
Y=439,296.2707
X=897,755.0520
STA 1939+85.10"NB", 99.00'LT
STA 1939+63.44"TSB"

BP: 992+00.00'TSB'

℄ "TSB"
PROJECT 1007-11-75

1930"TSB" 1935"TSB" IH 39 SB 995'TSB' C1 1000'TSB' PT N5°49'21"W 1005'TSB' PC 1010 C2

1930"NB" 1935"NB" 1940"NB" IH 39 NB 1945"NB" PT BP 1950"NC" 555'XNB' N6°06'40"W PC C13

℄ "NB"
PROJECT 1007-11-75

EP: 1939+63.44"TSB"

℄ "NC"
PROJECT 1007-11-75

BP: 553+66.95'XNB'

STA 553+66.95'XNB' POT:
Y=440,536.1458
X=897,690.0223
STA 1952+20.08"NC"

EP: 1952+20.08"NC"

℄ 'XNB'

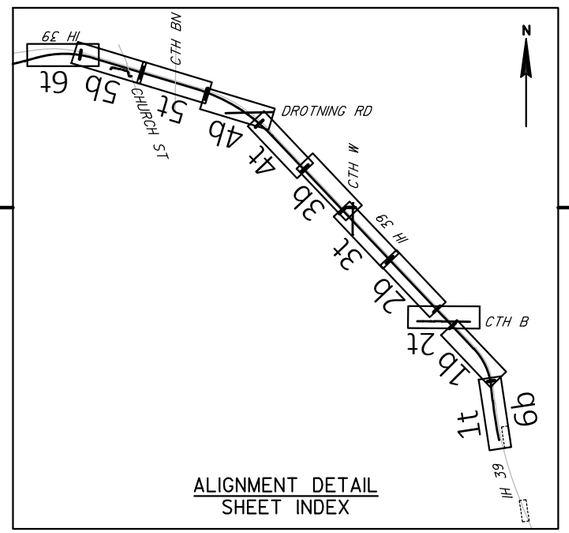
MATCH LINE 1010+00'TSB'

C1

PI STA =	996+61.65'TSB'	1017+22.43'TSB'
Y =	439,752.0253	441,802.4336
X =	897,681.4799	897,472.3887
Δ =	3°20'51"	37°38'55"
D =	0°21'46"	2°01'01"
T =	461.65'	968.42'
L =	923.05'	1,866.65'
R =	15,799.00'	2,840.79'
PC STA =	992+00.00'TSB'	1007+54.01'TSB'
PT STA =	1001+23.05'TSB'	1026+20.66'TSB'

C13

PI STA =	566+80.77'XNB'
Y =	441,842.4982
X =	897,550.1541
Δ =	37°21'36"
D =	2°00'00"
T =	968.56'
L =	1,867.99'
R =	2,864.79'
PC STA =	557+12.21'XNB'
PT STA =	575+80.20'XNB'



C2

PI STA =	1017+22.43'TSB'
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 =	1007+54.01'TSB'
PT STA =	1026+20.66'TSB'

MATCH LINE 1010+00'TSB' TSB' 560'XNB' 1015'TSB' C2 1020'TSB' 1025'TSB' PT ℄ 'TSB' N43°28'16"W 1030'TSB' N43°28'16"W 1035'TSB' N42°42'26"W 1040

565'XNB' C13 570'XNB' IH 39 SB IH 39 NB 575'XNB' PT 580'XNB' N43°28'16"W 585'XNB' 59

STA 1030+50.58'TSB' PI:
Y=442,817.2429
X=896,510.3426

STA 1038+28.21'TSB' PI:
Y=443,381.5822
X=895,975.3452

℄ 'XNB'

MATCH LINE 1040+00'TSB'

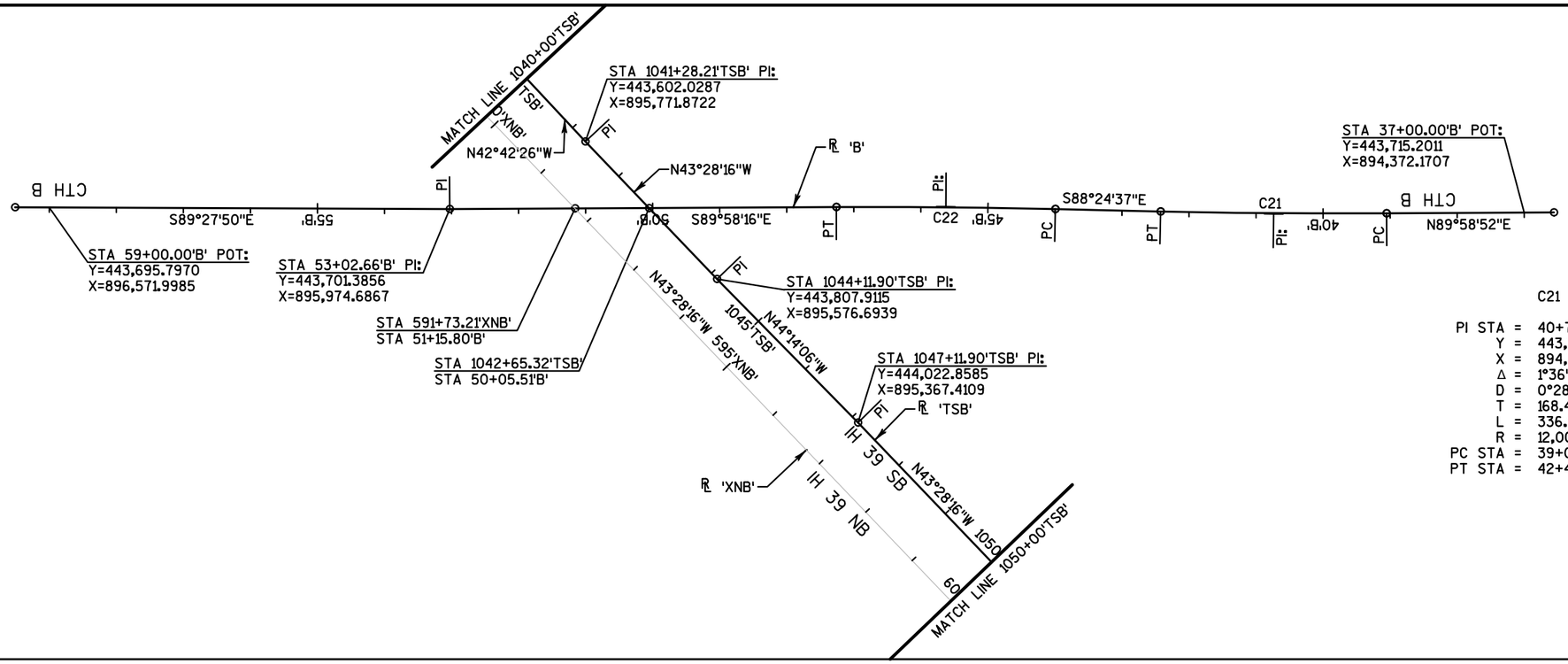
C13

PI STA =	566+80.77'XNB'
Y =	441,842.4982
X =	897,550.1541
Δ =	37°21'36"
D =	2°00'00"
T =	968.56'
L =	1,867.99'
R =	2,864.79'
PC STA =	557+12.21'XNB'
PT STA =	575+80.20'XNB'

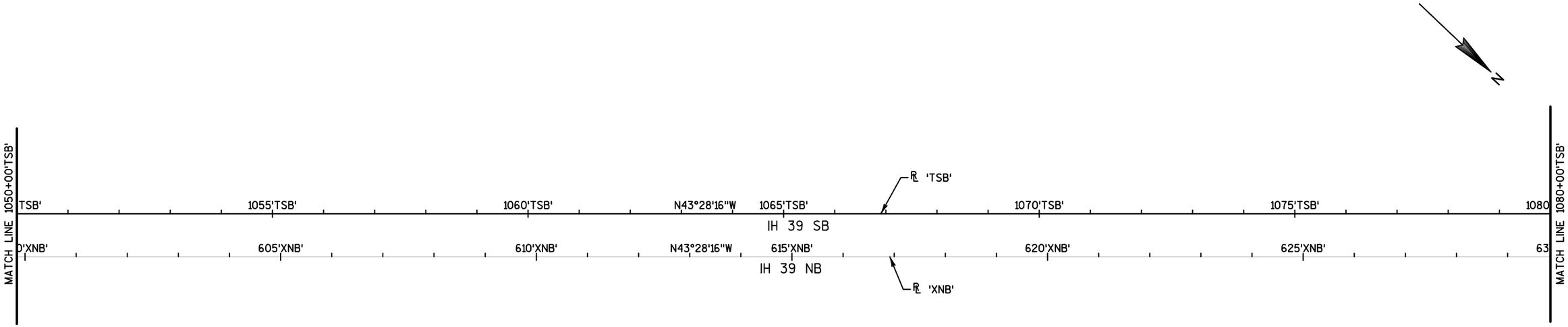
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 01 OF 06	SHEET E

FILE NAME : 027200_AD (ALIGNMENT DETAILS).DWG | PLOT DATE : 2/1/2017 8:11 AM | PLOT BY : SEH | LAYOUT NAME : 027201.AD | PLOT SCALE : 1.0 IN = 200.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS



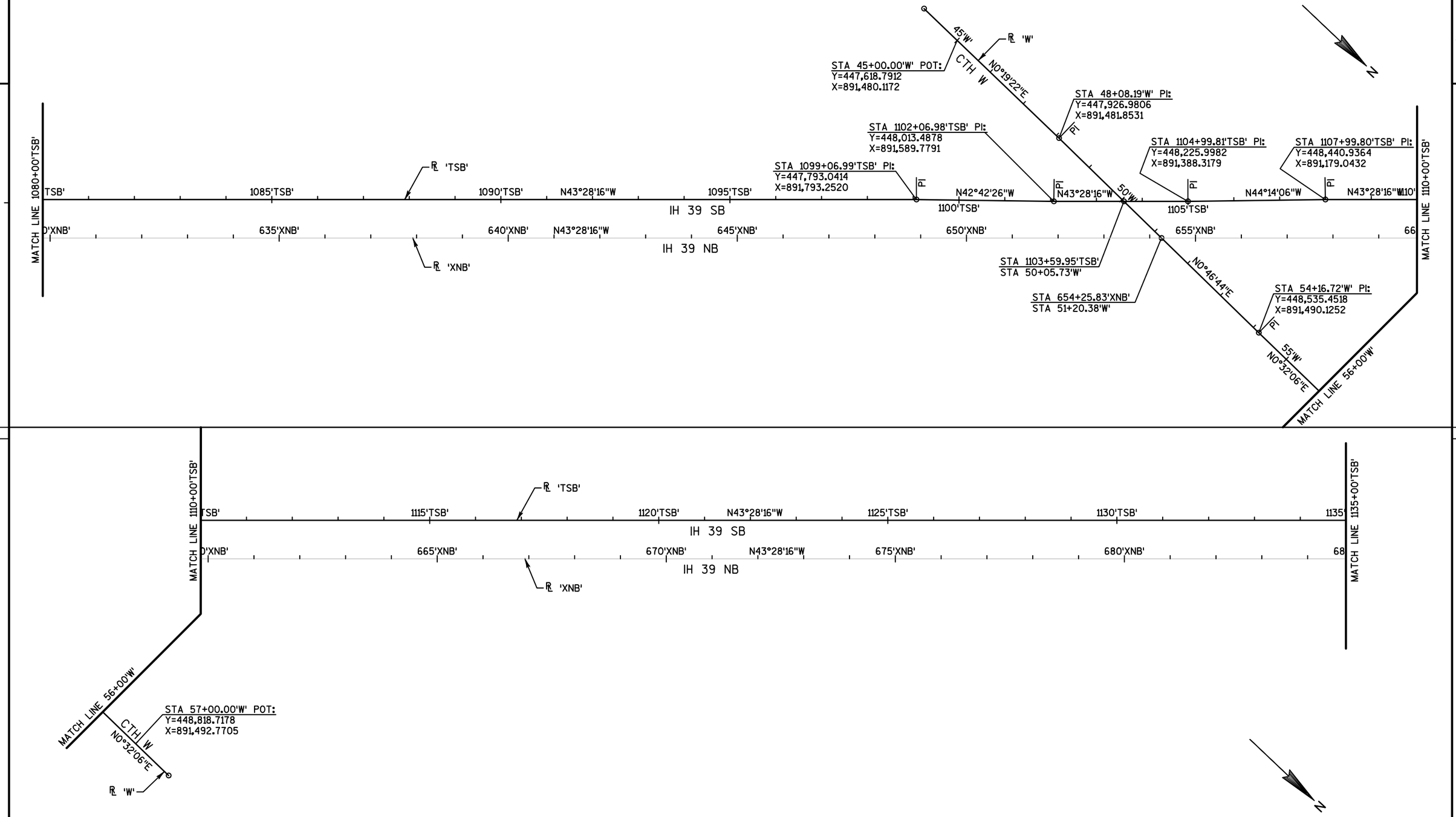
	C21	C22
PI STA =	40+73.81'B'	45+62.76'B'
Y =	443,715.3244	443,701.7587
X =	894,745.9761	895,234.7646
Δ =	1°36'31"	1°33'39"
D =	0°28'39"	0°28'39"
T =	168.47'	163.46'
L =	336.92'	326.91'
R =	12,000.00'	12,000.00'
PC STA =	39+05.34'B'	43+99.30'B'
PT STA =	42+42.25'B'	47+26.20'B'



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 02 OF 06	SHEET	E

FILE NAME : 027200_AD (ALIGNMENT DETAILS).DWG | PLOT DATE : 1/31/2017 10:21 PM | PLOT BY : SEH | LAYOUT NAME : 027202_AD | PLOT SCALE : 1.0 IN = 200.0 FT | WISDOT/CADDS SHEET 42

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANE\119189\CIVIL 3D\10071001\SHEETSPLAN\1007108B\SEC 02 TYPICAL SECTIONS & DETAILS

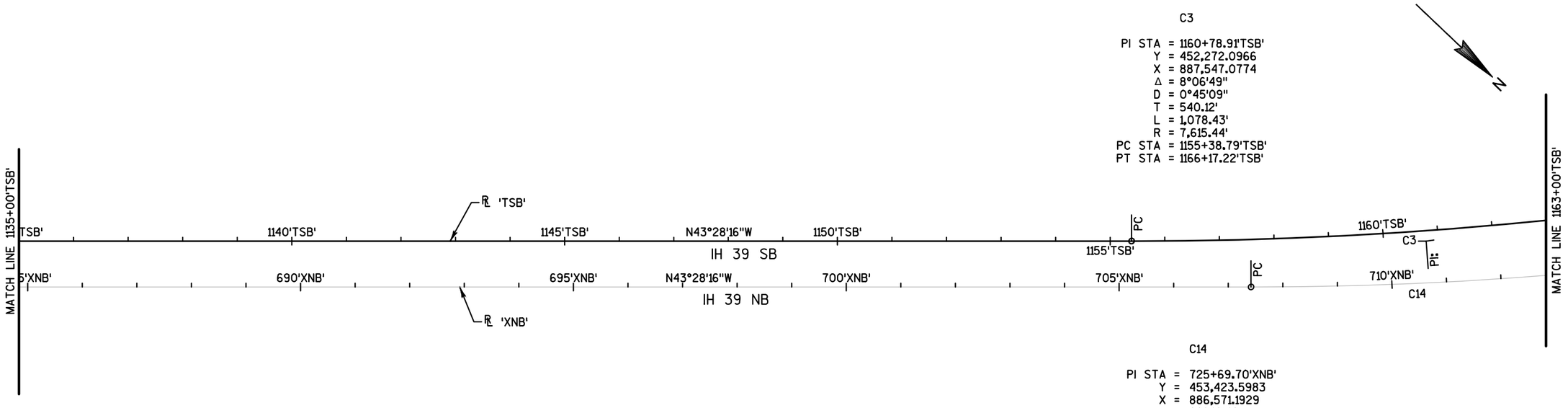


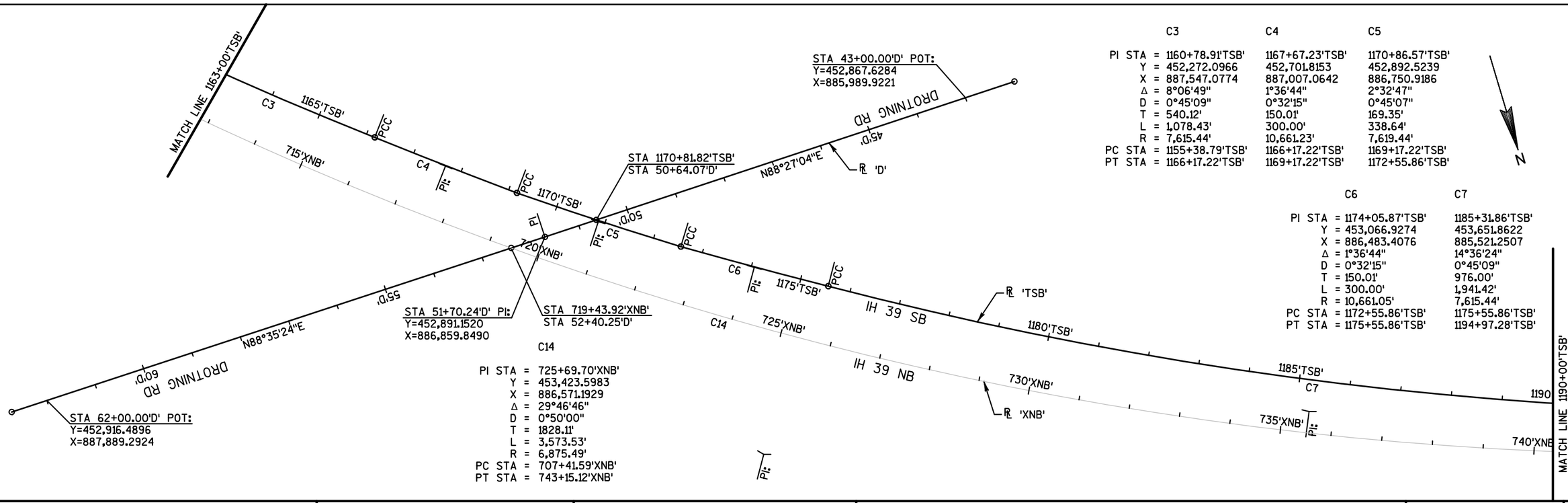
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 03 OF 06	SHEET	E

FILE NAME : 027200_AD (ALIGNMENT DETAILS).DWG | PLOT DATE : 1/31/2017 10:21 PM | PLOT BY : SEH | LAYOUT NAME : 027203_AD | 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\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

2





PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 04 OF 06	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 027200_AD (ALIGNMENT DETAILS).DWG PLOT DATE : 1/31/2017 10:21 PM PLOT BY : SEH LAYOUT NAME : 027204_AD PLOT SCALE : 1.0 IN = 200.0 FT

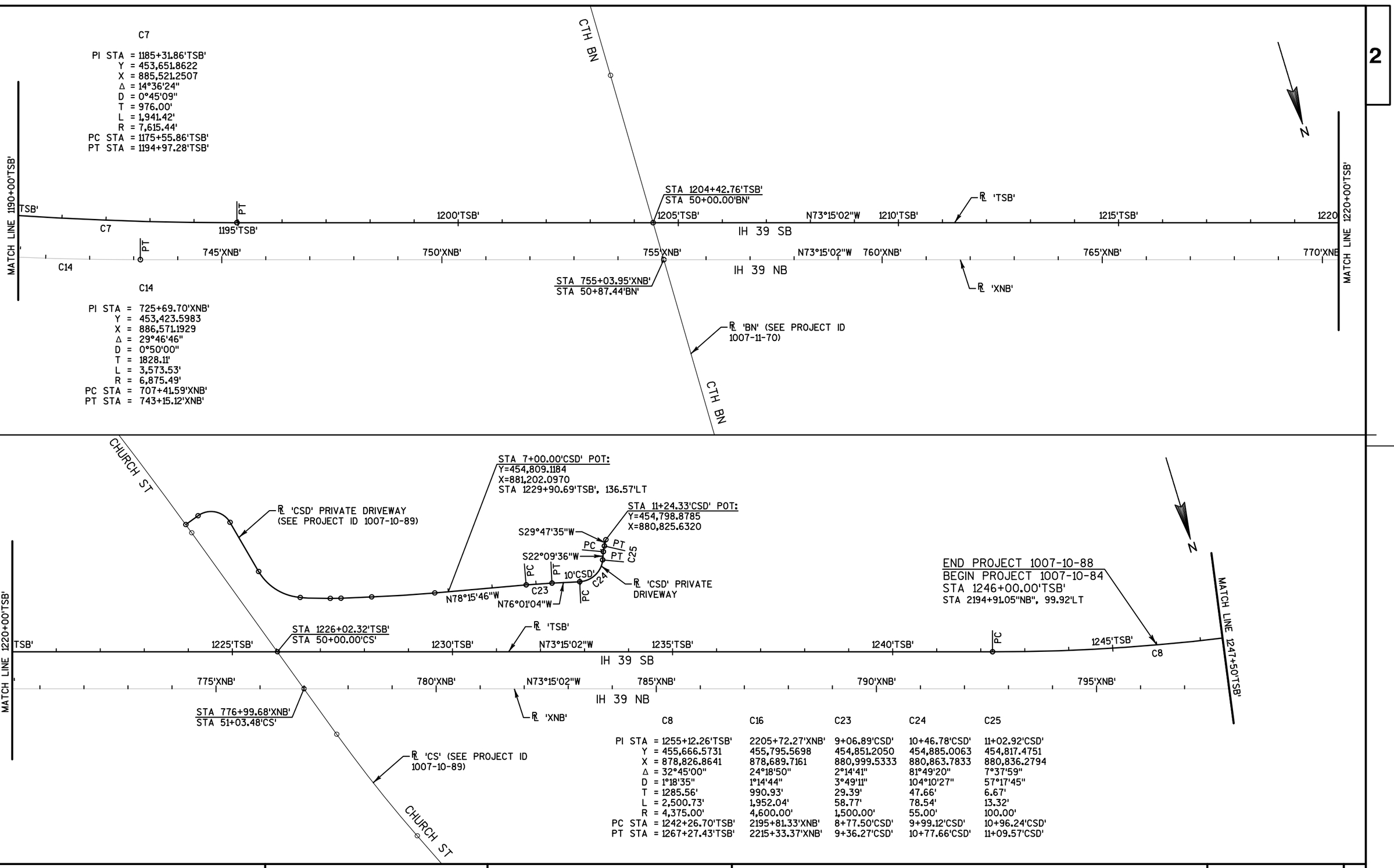
WISDOT/CADDS SHEET 42

C7

PI STA = 1185+31.86'TSB'
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 = 1175+55.86'TSB'
PT STA = 1194+97.28'TSB'

C14

PI STA = 725+69.70'XNB'
Y = 453,423.5983
X = 886,571.1929
Δ = 29°46'46"
D = 0°50'00"
T = 1828.11'
L = 3,573.53'
R = 6,875.49'
PC STA = 707+41.59'XNB'
PT STA = 743+15.12'XNB'

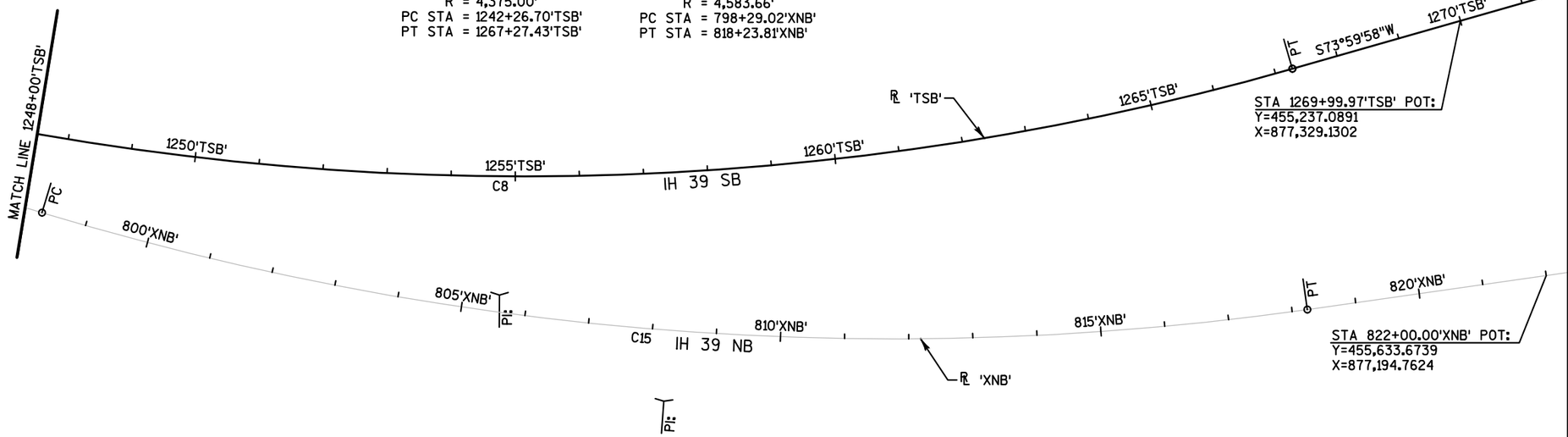


	C8	C16	C23	C24	C25
PI STA =	1255+12.26'TSB'	2205+72.27'XNB'	9+06.89'CSD'	10+46.78'CSD'	11+02.92'CSD'
Y =	455,666.5731	455,795.5698	454,851.2050	454,885.0063	454,817.4751
X =	878,826.8641	878,689.7161	880,999.5333	880,863.7833	880,836.2794
Δ =	32°45'00"	24°18'50"	2°14'41"	81°49'20"	7°37'59"
D =	1°18'35"	1°14'44"	3°49'11"	104°10'27"	57°17'45"
T =	1285.56'	990.93'	29.39'	47.66'	6.67'
L =	2,500.73'	1,952.04'	58.77'	78.54'	13.32'
R =	4,375.00'	4,600.00'	1,500.00'	55.00'	100.00'
PC STA =	1242+26.70'TSB'	2195+81.33'XNB'	8+77.50'CSD'	9+99.12'CSD'	10+96.24'CSD'
PT STA =	1267+27.43'TSB'	2215+33.37'XNB'	9+36.27'CSD'	10+77.66'CSD'	11+09.57'CSD'

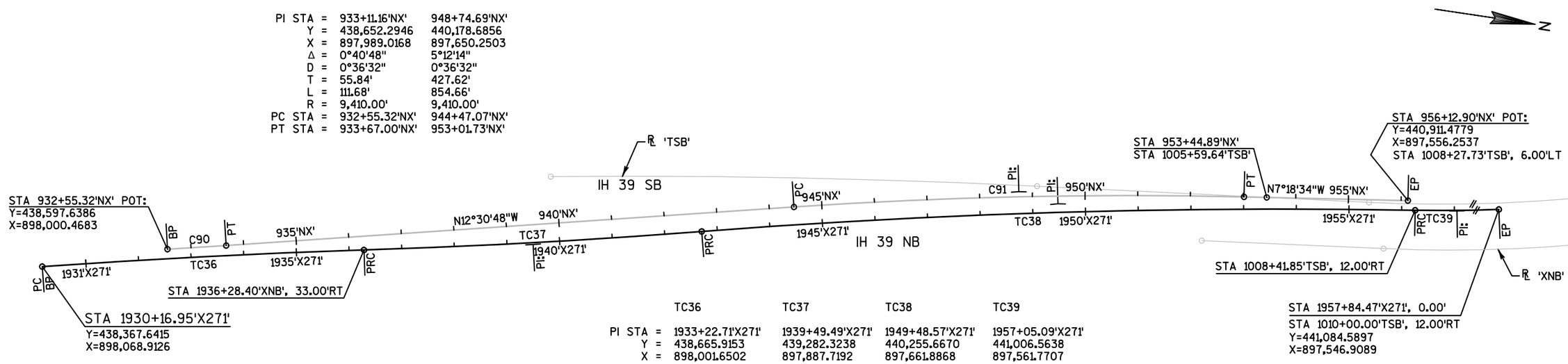
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 027200_AD (ALIGNMENT DETAILS).DWG | PLOT DATE : 1/31/2017 10:21 PM | PLOT BY : SEH | LAYOUT NAME : 027205_AD | PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

C8	
PI STA	1255+12.26'TSB'
Y	455,666.5731
X	878,826.8641
Δ	32°45'00"
D	1°18'35"
T	1285.56'
L	2,500.73'
R	4,375.00'
PC STA	1242+26.70'TSB'
PT STA	1267+27.43'TSB'

C15	
PI STA	808+42.46'XNB'
Y	455,831.5267
X	878,570.2401
Δ	24°56'06"
D	1°15'00"
T	1013.44'
L	1,994.79'
R	4,583.66'
PC STA	798+29.02'XNB'
PT STA	818+23.81'XNB'



	C90	C91
PI STA =	933+11.16'NX'	948+74.69'NX'
Y =	438,652.2946	440,178.6856
X =	897,989.0168	897,650.2503
Δ =	0°40'48"	5°12'14"
D =	0°36'32"	0°36'32"
T =	55.84'	427.62'
L =	111.68'	854.66'
R =	9,410.00'	9,410.00'
PC STA =	932+55.32'NX'	944+47.07'NX'
PT STA =	933+67.00'NX'	953+01.73'NX'

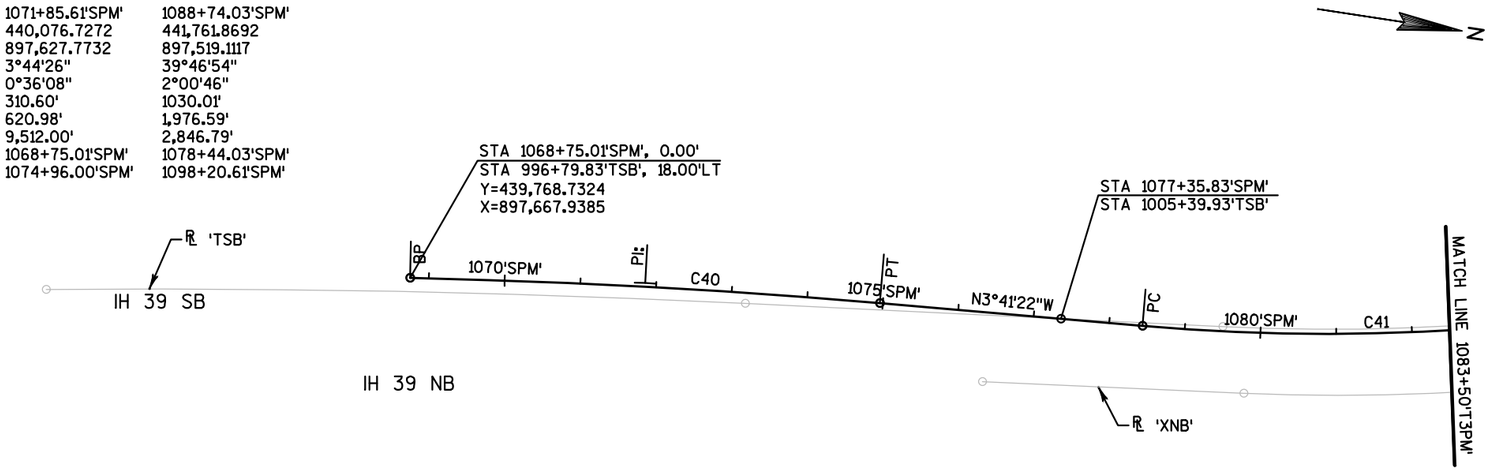


	TC36	TC37	TC38	TC39
PI STA =	1933+22.71'X271'	1939+49.49'X271'	1949+48.57'X271'	1957+05.09'X271'
Y =	438,665.9153	439,282.3238	440,255.6670	441,006.5638
X =	898,001.6502	897,887.7192	897,661.8868	897,561.7707
Δ =	2°14'10"	2°35'26"	5°28'05"	3°11'23"
D =	0°21'57"	0°24'13"	0°24'13"	2°00'30"
T =	305.76'	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: 1007-10-88	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL	PAGE 06 OF 06	SHEET	E

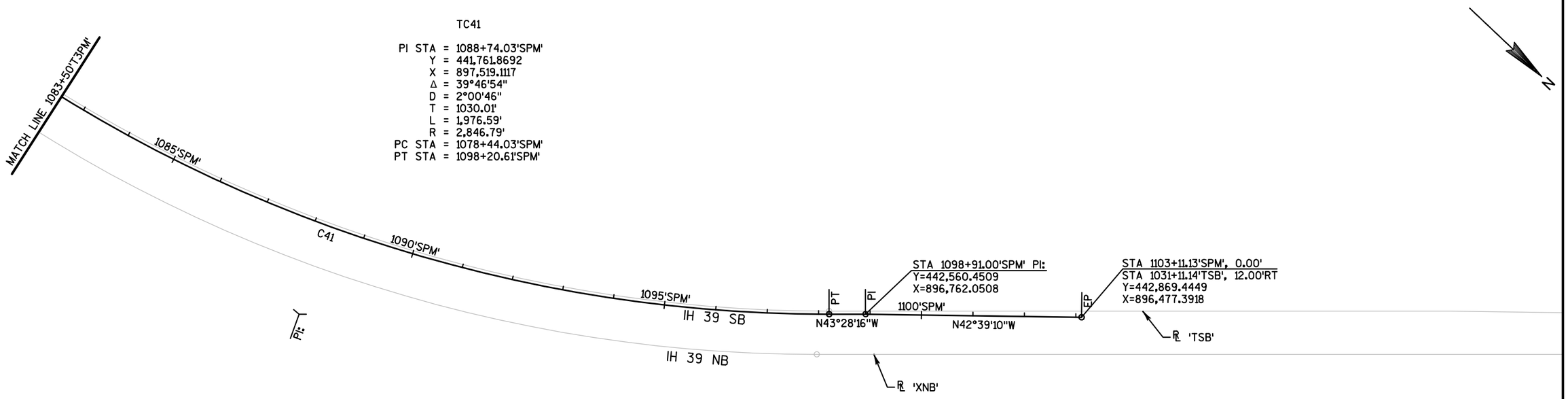
SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 02 TYPICAL SECTIONS & DETAILS
FILE NAME : 027200_AD (ALIGNMENT DETAILS).DWG
PLOT DATE : 1/31/2017 10:21 PM
PLOT BY : SEH
LAYOUT NAME : 027206_AD
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

	TC40	TC41
PI STA =	1071+85.61'SPM'	1088+74.03'SPM'
Y =	440,076.7272	441,761.8692
X =	897,627.7732	897,519.1117
Δ =	3°44'26"	39°46'54"
D =	0°36'08"	2°00'46"
T =	310.60'	1030.01'
L =	620.98'	1,976.59'
R =	9,512.00'	2,846.79'
PC STA =	1068+75.01'SPM'	1078+44.03'SPM'
PT STA =	1074+96.00'SPM'	1098+20.61'SPM'



TC41

PI STA =	1088+74.03'SPM'
Y =	441,761.8692
X =	897,519.1117
Δ =	39°46'54"
D =	2°00'46"
T =	1030.01'
L =	1,976.59'
R =	2,846.79'
PC STA =	1078+44.03'SPM'
PT STA =	1098+20.61'SPM'



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAIL - TRAFFIC CONTROL	PAGE 01 OF 01	SHEET	E

SAVE FOLDER PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I08\SEC 02 TYPICAL SECTIONS & DETAILS

FILE NAME : 027300_AD (ALIGNMENT DETAILS TC).DWG
PLOT DATE : 1/31/2017 10:22 PM
PLOT BY : SEH
LAYOUT NAME : 027201_AD (SPM)
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

1007-10-88

Line	Item	Item Description	Unit	Total	Qty
0010	201.0105	Clearing	STA	70.000	70.000
0020	201.0205	Grubbing	STA	70.000	70.000
0050	203.0200	Removing Old Structure (station) 701. STA. 1042'TSB'+65.29	LS	1.000	1.000
0060	203.0200	Removing Old Structure (station) 702. STA. 1103'TSB'+59.98	LS	1.000	1.000
0070	203.0200	Removing Old Structure (station) 703. STA. 1170'TSB'+81.85	LS	1.000	1.000
0090	203.0200	Removing Old Structure (station) 801. STA 2189+50	LS	1.000	1.000
0100	204.0100	Removing Pavement	SY	2,626.000	2,626.000
0110	204.0120	Removing Asphaltic Surface Milling	SY	5,789.000	5,789.000
0120	204.0165	Removing Guardrail	LF	5,753.000	5,753.000
0130	204.0170	Removing Fence	LF	21,760.000	21,760.000
0140	204.0180	Removing Delineators and Markers	EACH	38.000	38.000
0150	204.0220	Removing Inlets	EACH	3.000	3.000
0160	204.0230	Removing Building (station) 001. Plat Sta 2097+15, LT	LS	1.000	1.000
0170	204.0245	Removing Storm Sewer (size) 001. 18-Inch	LF	624.000	624.000
0190	205.0100	Excavation Common	CY	141,589.000	141,589.000
0200	205.0200	Excavation Rock	CY	39,586.000	39,586.000
0210	205.0400	Excavation Marsh	CY	3,178.000	3,178.000
0230	206.1000	Excavation for Structures Bridges (structure) 701. B-13-164	LS	1.000	1.000
0240	206.1000	Excavation for Structures Bridges (structure) 702. B-13-148	LS	1.000	1.000
0250	206.1000	Excavation for Structures Bridges (structure) 703. B-13-146	LS	1.000	1.000
0270	206.2000	Excavation for Structures Culverts (structure) 801. C-13-3084	LS	1.000	1.000
0280	206.5000	Cofferdams (structure) 800. C-13-3084	LS	1.000	1.000
0300	208.1100	Select Borrow	CY	21,178.000	21,178.000
0310	210.1500	Backfill Structure Type A	TON	910.000	910.000
0320	210.2500	Backfill Structure Type B	TON	254.000	254.000
0340	213.0100	Finishing Roadway (project) 002. 1007-10-88	EACH	1.000	1.000
0350	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,386.000	3,386.000
0360	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	136,143.000	136,143.000
0370	311.0115	Breaker Run	CY	74.000	74.000
0380	312.0110	Select Crushed Material	TON	2,639.000	2,639.000
0390	415.0100	Concrete Pavement 10-Inch **P**	SY	2,684.000	2,684.000
0400	415.0410	Concrete Pavement Approach Slab **P**	SY	420.000	420.000
0410	416.0610	Drilled Tie Bars	EACH	300.000	300.000
0420	440.4410	Incentive IRI Ride	DOL	17,160.000	17,160.000

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Line	Item	Item Description	Unit	Total	Qty
0430	450.4000	HMA Cold Weather Paving	TON	5,279.000	5,279.000
0440	455.0605	Tack Coat	GAL	5,650.000	5,650.000
0450	460.2000	Incentive Density HMA Pavement	DOL	23,830.000	23,830.000
0470	460.5224	HMA Pavement 4 LT 58-28 S	TON	567.000	567.000
0480	460.6223	HMA Pavement 3 MT 58-28 S	TON	215.000	215.000
0490	460.6224	HMA Pavement 4 MT 58-28 S	TON	172.000	172.000
0500	460.7222	HMA Pavement 2 HT 58-28 S	TON	22,319.000	22,319.000
0510	460.7424	HMA Pavement 4 HT 58-28 H	TON	14,349.000	14,349.000
0520	502.0100	Concrete Masonry Bridges **P**	CY	797.900	797.900
0540	502.2000	Compression Joint Sealer Preformed Elastomeric (width) 701. 2 1/2-INCH	LF	29.000	29.000
0560	502.3100	Expansion Device (structure) 701. B-13-164	LS	1.000	1.000
0570	502.3100	Expansion Device (structure) 702. B-13-148	LS	1.000	1.000
0580	502.3100	Expansion Device (structure) 703. B-13-146	LS	1.000	1.000
0590	502.3200	Protective Surface Treatment **P**	SY	1,090.000	1,090.000
0600	502.3210	Pigmented Surface Sealer	SY	290.000	290.000
0610	502.4204	Adhesive Anchors No. 4 Bar	EACH	76.000	76.000
0620	502.4205	Adhesive Anchors No. 5 Bar	EACH	18.000	18.000
0630	502.4206	Adhesive Anchors No. 6 Bar	EACH	52.000	52.000
0640	502.4207	Adhesive Anchors No. 7 Bar	EACH	72.000	72.000
0650	502.4208	Adhesive Anchors No. 8 Bar	EACH	32.000	32.000
0660	502.4209	Adhesive Anchors No. 9 Bar	EACH	7.000	7.000
0680	503.0128	Prestressed Girder Type I 28-Inch **P**	LF	1,600.000	1,600.000
0690	504.0100	Concrete Masonry Culverts **P**	CY	54.000	54.000
0700	505.0400	Bar Steel Reinforcement HS Structures **P**	LB	28,400.000	28,400.000
0710	505.0600	Bar Steel Reinforcement HS Coated Structures **P**	LB	115,690.000	115,690.000
0720	506.2605	Bearing Pads Elastomeric Non-Laminated	EACH	6.000	6.000
0730	506.2610	Bearing Pads Elastomeric Laminated	EACH	32.000	32.000
0750	506.4000	Steel Diaphragms (structure) 701. B-13-164 **P**	EACH	6.000	6.000
0760	506.4000	Steel Diaphragms (structure) 702. B-13-148 **P**	EACH	6.000	6.000
0770	506.4000	Steel Diaphragms (structure) 703. B-13-146 **P**	EACH	9.000	9.000
0790	506.5000	Bearing Assemblies Fixed (structure) 701. B-13-164	EACH	3.000	3.000
0800	506.5000	Bearing Assemblies Fixed (structure) 703. B-13-146	EACH	4.000	4.000
0810	506.6000	Bearing Assemblies Expansion (structure) 700. B-13-164	EACH	15.000	15.000
0820	509.1500	Concrete Surface Repair	SF	300.000	300.000
0830	509.2000	Full-Depth Deck Repair	SY	37.000	37.000
0850	511.1200	Temporary Shoring (structure) 701. B-13-164	SF	1,200.000	1,200.000
0860	511.1200	Temporary Shoring (structure) 702. B-13-148	SF	1,740.000	1,740.000
0870	511.1200	Temporary Shoring (structure) 703. B-13-146	SF	3,900.000	3,900.000

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Line	Item	Item Description	Unit	Total	Qty
0890	511.1200	Temporary Shoring (structure) 801. C-13-3084	SF	270.000	270.000
0900	511.2300	Temp Shoring Left in Place (location) 001. 1175+40'TSB'	SF	710.000	710.000
0910	516.0500	Rubberized Membrane Waterproofing	SY	55.000	55.000
0920	520.8000	Concrete Collars for Pipe	EACH	22.000	22.000
1060	521.2005.S	Surface Drain Pipe Corrugated Metal Slotted (inch) 001. 18-Inch	LF	601.000	601.000
1070	522.0112	Culvert Pipe Reinforced Concrete Class III 12-Inch	LF	36.000	36.000
1080	522.0118	Culvert Pipe Reinforced Concrete Class III 18-Inch	LF	142.000	142.000
1090	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	44.000	44.000
1100	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	84.000	84.000
1110	522.0148	Culvert Pipe Reinforced Concrete Class III 48-Inch	LF	130.000	130.000
1130	522.0330	Culvert Pipe Reinforced Concrete Class IV 30-Inch	LF	24.000	24.000
1160	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	2.000	2.000
1180	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	7.000	7.000
1190	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	3.000	3.000
1200	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	5.000	5.000
1210	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	5.000	5.000
1240	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	4,035.000	4,035.000
1250	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D **P**	LF	65.000	65.000
1260	603.8000	Concrete Barrier Temporary Precast Delivered	LF	8,039.000	8,039.000
1270	603.8125	Concrete Barrier Temporary Precast Installed	LF	8,039.000	8,039.000
1280	604.0500	Slope Paving Crushed Aggregate	SY	690.000	690.000
1290	606.0200	Riprap Medium	CY	50.000	50.000
1300	606.0300	Riprap Heavy	CY	17.000	17.000
1320	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	12.000	12.000
1350	611.0430	Reconstructing Inlets	EACH	1.000	1.000
1360	611.0610	Inlet Covers Type BW	EACH	1.000	1.000
1390	611.3004	Inlets 4-FT Diameter	EACH	1.000	1.000
1420	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	320.000	320.000
1430	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	6.000	6.000
1440	614.0800	Crash Cushions Permanent	EACH	13.000	13.000
1450	614.0905	Crash Cushions Temporary	EACH	3.000	3.000
1460	614.2300	MGS Guardrail 3	LF	1,175.000	1,175.000

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Line	Item	Item Description	Unit	Total	Qty
1470	614.2500	MGS Thrie Beam Transition	LF	118.000	118.000
1480	614.2610	MGS Guardrail Terminal EAT	EACH	3.000	3.000
1490	616.0100	Fence Woven Wire (height) 001. 4-Ft **P**	LF	24,290.000	24,290.000
1520	618.0100	Maintenance And Repair of Haul Roads (project) 002. 1007-10-88	EACH	1.000	1.000
1530	619.1000	Mobilization	EACH	0.620	0.620
1540	624.0100	Water	MGAL	1,745.000	1,745.000
1550	625.0500	Salvaged Topsoil	SY	154,150.000	154,150.000
1560	627.0200	Mulching	SY	134,420.000	134,420.000
1570	628.1104	Erosion Bales	EACH	1,000.000	1,000.000
1580	628.1504	Silt Fence	LF	13,300.000	13,300.000
1590	628.1520	Silt Fence Maintenance	LF	13,300.000	13,300.000
1600	628.1905	Mobilizations Erosion Control	EACH	7.000	7.000
1610	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
1620	628.2002	Erosion Mat Class I Type A	SY	2,328.000	2,328.000
1630	628.2004	Erosion Mat Class I Type B	SY	4,332.000	4,332.000
1640	628.6510	Soil Stabilizer Type B	ACRE	1.730	1.730
1650	628.7005	Inlet Protection Type A	EACH	11.000	11.000
1670	628.7504	Temporary Ditch Checks	LF	540.000	540.000
1680	628.7555	Culvert Pipe Checks	EACH	34.000	34.000
1690	628.7560	Tracking Pads	EACH	6.000	6.000
1700	628.7570	Rock Bags	EACH	100.000	100.000
1710	629.0205	Fertilizer Type A	CWT	125.000	125.000
1720	630.0130	Seeding Mixture No. 30	LB	1,555.000	1,555.000
1730	630.0200	Seeding Temporary	LB	3,045.000	3,045.000
1740	633.1100	Delineators Temporary	EACH	8.000	8.000
1790	638.2102	Moving Signs Type II	EACH	21.000	21.000
1800	638.2602	Removing Signs Type II	EACH	11.000	11.000
1810	638.3000	Removing Small Sign Supports	EACH	11.000	11.000
1830	642.5201	Field Office Type C	EACH	0.600	0.600
1850	643.0200.S	Traffic Control Surveillance and Maintenance (project) 002. 1007-10-88	DAY	88.000	88.000
1860	643.0300	Traffic Control Drums	DAY	30,400.000	30,400.000
1870	643.0420	Traffic Control Barricades Type III	DAY	3,350.000	3,350.000
1880	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	110.000	110.000
1890	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	110.000	110.000
1900	643.0705	Traffic Control Warning Lights Type A	DAY	3,320.000	3,320.000
1910	643.0715	Traffic Control Warning Lights Type C	DAY	1,650.000	1,650.000
1920	643.0800	Traffic Control Arrow Boards	DAY	220.000	220.000
1940	643.0900	Traffic Control Signs	DAY	4,870.000	4,870.000

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Line	Item	Item Description	Unit	Total	Qty
1950	643.1050	Traffic Control Signs PCMS	DAY	360.000	360.000
1970	643.2000	Traffic Control Detour (project) 002. 1007-10-88	EACH	1.000	1.000
1980	643.3000	Traffic Control Detour Signs	DAY	5,130.000	5,130.000
1990	645.0105	Geotextile Type C	SY	144.000	144.000
2000	645.0120	Geotextile Type HR	SY	202.000	202.000
2010	645.0220	Geogrid Type SR	SY	30,200.000	30,200.000
2020	646.0600	Removing Pavement Markings	LF	76,068.000	76,068.000
2030	649.0402	Temporary Pavement Marking Paint 4-Inch	LF	39,663.000	39,663.000
2040	649.0403	Temporary Pavement Marking Epoxy 4-Inch	LF	54,350.000	54,350.000
2060	690.0150	Sawing Asphalt	LF	28,413.000	28,413.000
2070	690.0250	Sawing Concrete	LF	1,057.000	1,057.000
2080	715.0415	Incentive Strength Concrete Pavement	DOL	805.200	805.200
2090	715.0502	Incentive Strength Concrete Structures	DOL	4,776.000	4,776.000
2120	SPV.0035	Special 001. Roadway Embankment	CY	121,878.000	121,878.000
2130	SPV.0060	Special 001. Baseline CPM Progress Schedule	EACH	0.600	0.600
2140	SPV.0060	Special 002. CPM Progress Schedule Updates and Accepted Revisions	EACH	5.000	5.000
2150	SPV.0060	Special 003. Test Pits	EACH	20.000	20.000
2180	SPV.0090	Special 002. Furnishing Temporary Snow Fence	LF	6,960.000	6,960.000
2190	SPV.0090	Special 003. Installing Temporary Snow Fence	LF	6,960.000	6,960.000
2200	SPV.0090	Special 150. Compost Tube	LF	1,370.000	1,370.000
2210	SPV.0090	Special 200. Traffic Control Gawk Screen Furnished	LF	1,215.000	1,215.000
2220	SPV.0090	Special 201. Traffic Control Gawk Screen Installed	LF	1,215.000	1,215.000
2230	SPV.0090	Special 202. Concrete Barrier Temporary Precast Left In Place	LF	3,164.000	3,164.000
2250	SPV.0105	Special 002. Survey Project 1007-10-88	LS	1.000	1.000
2270	SPV.0105	Special 004. Concrete Pavement Joint Layout Project 1007-10-88	LS	1.000	1.000

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CLEARING AND GRUBBING

CATEGORY	STAGE	STATION	-	STATION	201.0105 CLEARING (STA)	201.0205 GRUBBING (STA)
1000	-	1039+00 'TSB'	-	1043+00 'TSB'	4	4
		1044+00 'TSB'	-	1047+00 'TSB'	3	3
		1061+00 'TSB'	-	1064+60 'TSB'	4	4
		1086+50 'TSB'	-	1101+50 'TSB'	15	15
		1103+60 'TSB'	-	1108+10 'TSB'	5	5
		1147+00 'TSB'	-	1151+00 'TSB'	4	4
		1163+00 'TSB'	-	1171+00 'TSB'	8	8
		1182+50 'TSB'	-	1183+50 'TSB'	1	1
		1190+00 'TSB'	-	1191+00 'TSB'	1	1
		1192+00 'TSB'	-	1203+50 'TSB'	12	12
		1210+00 'TSB'	-	1219+00 'TSB'	9	9
		1222+35 'TSB'	-	1224+35 'TSB'	2	2
		1233+20 'TSB'	-	1236+20 'TSB'	3	3
				STAGE SUBTOTAL	70	70
				CATEGORY 1000 SUBTOTAL	70	70
				PROJECT TOTAL	**70**	**70**

REMOVING PAVEMENT

CATEGORY	STAGE	STATION - STATION	204.0100 SY
1000	2	CTH B	-
		CTH W	45
		DROTNING ROAD	48
		STAGE SUBTOTAL	93
	3	993+34 'TSB' - 1007+21 'TSB'	2533
		STAGE SUBTOTAL	2533
		CATEGORY 1000 SUBTOTAL	2626
		PROJECT TOTAL	**2626**

REMOVING GUARDRAIL

CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0165 (LF)	REMARKS
1000	2	1039+40 'TSB'	-	1042+03 'TSB'	LT	263	CTH B SB PARAPET
		1043+53 'TSB'	-	1048+38 'TSB'	LT	485	CTH B SB PARAPET
		1061+87 'TSB'	-	1066+04 'TSB'	LT	417	IH 39 SB
		1104+15 'TSB'	-	1109+43 'TSB'	LT	529	CTH W SB PARAPET
		1158+50 'TSB'	-	1170+02 'TSB'	LT	1,150	IH 39 SB
		1172+02 'TSB'	-	1188+37 'TSB'	LT	1,632	IH 39 SB/DROTNING
		49+64 'B'	-	51+89 'B'	RT	225	CTH B
		49+62 'B'	-	51+87 'B'	LT	225	CTH B
		49+34 'W'	-	51+48 'W'	RT	213	CTH W
		50+09 'W'	-	52+21 'W'	LT	212	CTH W
		50+39 'D'	-	53+30 'D'	RT	201	DROTNING
		50+02 'D'	-	53+02 'D'	LT	201	DROTNING
					STAGE SUBTOTAL	5,753	
					CATEGORY 1000 SUBTOTAL	5,753	
					PROJECT TOTAL	**5,753**	

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REMOVING FENCE

CATEGORY	STAGE	STATION	-	STATION	LOCATION	204.0170 (LF)
1000	2	999+98 'TSB'	-	1008+00 'TSB'	LT	870
		1035+10 'TSB'	-	1042+15 'TSB'	LT	800
		1043+60 'TSB'	-	1102+60 'TSB'	LT	5960
		1104+10 'TSB'	-	1169+95 'TSB'	LT	7000
		1171+90 'TSB'	-	1202+95 'TSB'	LT	3130
		1206+08 'TSB'	-	1223+75 'TSB'	LT	2080
		1226+93 'TSB'	-	1246+00 'TSB'	LT	1920
					STAGE SUBTOTAL	21,760
					CATEGORY 1000 SUBTOTAL	21,760

REMOVING DELINEATORS AND MARKERS

CATEGORY	STAGE	LOCATION	204.0180 (EACH)
1000	2	SB	38
		PROJECT TOTAL	**38**

REMOVING INLETS

CATEGORY	STAGE	STATION	OFFSET	DESCRIPTION	204.0220 (EACH)
1000	3	1007+50'TSB'	RT	MEDIAN INLET	1
		1009+22'TSB'	RT	MEDIAN INLET	1
		1010+00'TSB'	RT	MEDIAN INLET	1
				STAGE SUBTOTAL	3
				PROJECT TOTAL	**3**

REMOVING STORM SEWER

CATEGORY	STAGE	STATION - STATION	OFFSET	204.0245 18-INCH (LF)	REMARKS
1000	3	1003+02'TSB' - 1009+22'TSB'	RT	624	MEDIAN/CROSSOVER
				624	
			PROJECT TOTAL	**624**	

REMOVING BUILDING (STATION)

PROJECT NUMBER	CATEGORY	STAGE	STATION	LOCATION	204.0230 (LS)	REMARKS
1007-10-88	1000	-	1148+77'TSB	LT	1	PLAT STA 2097+15, LT OLD BARN/SHED
				STAGE SUBTOTALS	1	
				PROJECT TOTALS	**1**	

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EARTHWORK SUMMARY

CATEGORY	STAGE	LOCATION	STATION - STATION	205.0100 EXCAVATION COMMON (1) CY CUT (2) (CY)	205.0100 EXCAVATION COMMON (1) CY EBS EXCAVATION (3) (CY)	205.0200 ROCK EXCAVATION (CY)	205.0400 MARSH EXCAVATION (4) (CY)	FILL (CY)	208.1100 SELECT BORROW (6) (CY)	645.0220 GEOGRID TYPE SR (SY)	SPV.0035.001 ROADWAY EMBANKMENT (CY)	MASS ORDINATE +/- (5) (CY)	COMMENTS
1000	1	BEGIN STAGE - CTH B	1036+00'TSB' - 1041+66'TSB'	540				18			18	522	
		CTH B - CTH W	1043+90'TSB' - 1102+27'TSB'	5189				66			66	5123	
		CTH W - DROTNING RD	1104+50'TSB' - 1169+80'TSB'	4410				48			48	4362	
		DROTNING RD - END STAGE	1172+35'TSB' - 1179+00'TSB'	366				176			176	190	
		STAGE SUBTOTALS		**10505**	**0**	**0**	**0**	**308**	**0**	**0**	**308**	**10197**	
	2	BEGIN STAGE - CTH B	1003+74'TSB' - 1041+66'TSB'	22473				5435			5435	17038	
		CTH B - CTH W	1043+90'TSB' - 1102+27'TSB'	21753	331	8771		22044	331	1800	22044	-291	
		CTH W - DROTNING RD	1104+50'TSB' - 1169+80'TSB'	21043	907			41159	907	4900	41159	-20116	
		DROTNING RD - END STAGE	1172+35'TSB' - 1179+00'TSB'	35127	282	30815	3178	50829	3460	5500	50829	-15702	
		CTH W - SOIL CONSOLIDATION AREA	GRADING	0				701			701	-701	
		CSD DRIVEWAY	8+75'CSD' - 10+90'CSD'	248				5			5	243	
		CTH B	47+95'B' - 53+04'B'	112				69			69	43	
		CTH W	47+60'W' - 53+69'W'	195				103			103	92	
		DROTNING RD	48+51'D' - 54+51'D'	186				151			151	35	
		STAGE SUBTOTALS		**101137**	**1520**	**39586**	**3178**	**120496**	**4698**	**12200**	**120496**	**-19359**	
	3	BEGIN STAGE - CTH B	1004+50'TSB' - 1035+50'TSB'	3052				148			148	2904	
		DROTNING RD - END STAGE	1179+50'TSB' - 1246+00'TSB'	5603				416			416	5187	
		CROSSOVER 'X271'	1643+57'X271' - 1955+28'X271'	3292				510			510	2782	
		STAGE SUBTOTALS		**11947**	**0**	**0**	**0**	**1074**	**0**	**0**	**1074**	**10873**	
		UNDISTRIBUTED			16480				16480	18000			
		CATEGORY 1000 SUBTOTALS		123589	18000	39586	3178	121878	21178	30200	121878	1711	
		PROJECT TOTALS		**123589**	**18000**	**39586**	**3178**	**121878**	**21178**	**30200**	**121878**	**1711**	
					141589								

1) EXCAVATION COMMON = CUT + EBS EXCAVATION. ITEM NUMBER 205.0100.
2) CUT VOLUME INCLUDES CONCRETE AND ASPHALTIC SURFACE MATERIAL.
3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT BORROW UNLESS OTHERWISE NOTED IN THE PLANS.
4) EXCAVATION MARSH TO BE BACKFILLED WITH SELECT BORROW IN AREAS OF WATER AS STATED IN NOTE 6. AREAS OF MARSH EXCAVATION NOT REQUIRED TO BE FILLED WITH SELECT BORROW TO BE BACKFILLED WITH EMBANKMENT.
5) THE MASS ORDINATE IS CALCULATED BY DIVISION. A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION AND A NEGATIVE QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION. STRUCTURE EXCAVATION IS NOT INCLUDED IN THIS CALCULATION. MASS ORDINATE = CUT - FILL. THE MASS ORDINATE IS FOR INFORMATION PURPOSES ONLY AS EXCAVATION COMMON AND ROADWAY EMBANKMENT ARE NOT BALANCED FOR QUANTITY PURPOSES AND DOES NOT GUARANTEE THE QUANTITY OF EXCAVATION COMMON, AND IF IT CAN BE REUSED ON SITE. ALL EBS MATERIAL IS ASSUMED TO BE WASTED OFFSITE.
6) WHERE WATER IS ENCOUNTERED DURING MARSH EXCAVATION, PLACE SELECT BORROW TO AN ELEVATION 2 FEET ABOVE THE WATER LINE.

CONCRETE PAVEMENT ITEMS

CATEGORY	STAGE	STATION - STATION	415.0100 10-INCH SY	416.0610 DRILLED TIE BARS EACH	415.0410 CONCRETE APPROACH SLAB SY
1000	2	B-13-164	12	10	140
		B-13-148	12	10	130
		B-13-146	12	10	150
		STAGE SUBTOTAL	36	30	420
	3	995+73 'TSB' - 1007+45 'TSB'	2438	223	-
		1244+59 'TSB' - 1246+00 'TSB'	210	47	
		STAGE SUBTOTAL	2648	270	0
		CATEGORY 1000 SUBTOTAL	2684	300	420
		PROJECT TOTAL	**2684**	**300**	**420**

CONCRETE CURB & GUTTER

CATEGORY	STAGE	STATION - STATION	LOCATION	601.0553 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D (LF)	REMARKS
1000	2	1203+96 'TSB' - 1204+60 'TSB'	LT	65	
			STAGE SUBTOTAL	65	
			PROJECT TOTAL	**65**	

ASPHALTIC PAVEMENT ITEMS

CATEGORY	STAGE	STATION - STATION	LOCATION	LAYER THICKNESS (IN)	204.0120 REMOVING ASPHALTIC SURFACE MILLING (SY)	455.0605 TACK COAT (GAL)	460.5224 HMA PAVEMENT 4 LT 58-28 S (TON)	460.6223 HMA PAVEMENT 3 MT 58-28 S (TON)	460.6224 HMA PAVEMENT 4 MT 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)
1000	1	1036+00 'TSB' - 1075+60 'TSB'	RT	4.00	-	-	-	-	-	2329	-	-
		1036+00 'TSB' - 1075+60 'TSB'		2.50	-	520	-	-	-	-	1456	-
		1075+60 'TSB' - 1179+00 'TSB'	RT	3.75	-	-	-	-	-	162	-	-
		1075+60 'TSB' - 1179+00 'TSB'		2.25	-	39	-	-	-	-	97	-
			STAGE SUBTOTAL		0	559	0	0	0	2,492	1,553	0
1000	2	1003+74 'TSB' - 1041+82 'TSB'	LT	4.00	-	-	-	-	-	2908	-	-
		1003+74 'TSB' - 1041+82 'TSB'		2.50	831	691	-	-	-	-	1934	-
		1043+69 'TSB' - 1075+60 'TSB'	LT	4.00	-	-	-	-	-	2423	-	-
		1043+69 'TSB' - 1075+60 'TSB'		2.50	976	590	-	-	-	-	1651	-
		1075+60 'TSB' - 1102+64 'TSB'	LT	3.75	-	-	-	-	-	1923	-	-
		1075+60 'TSB' - 1102+64 'TSB'		2.25	651	490	-	-	-	-	1236	-
		1104+42 'TSB' - 1169+86 'TSB'	LT	3.75	-	-	-	-	-	4977	-	1244
		1104+42 'TSB' - 1169+86 'TSB'		2.25	1535	1262	-	-	-	-	3180	795
		1171+94 'TSB' - 1246+00 'TSB'	LT	3.75	-	-	-	-	-	5884	-	1471
		1171+94 'TSB' - 1246+00 'TSB'		2.25	1796	1491	-	-	-	-	3757	939
		48+10 'B' - 53+14 'B'	CTH B	1.75	-	-	44	-	-	-	-	11
		48+10 'B' - 53+14 'B'		1.75	-	22	44	-	-	-	-	11
		47+50 'W' - 53+79 'W'	CTH W	1.75	-	-	66	-	-	-	-	16
		47+50 'W' - 53+79 'W'		1.75	-	34	66	-	-	-	-	16
		48+78 'D' - 54+33 'D'	DROTNING RD	1.75	-	-	66	-	-	-	-	17
		48+78 'D' - 54+33 'D'		1.75	-	34	66	-	-	-	-	17
			STAGE SUBTOTAL		5,789	4,613	352	0	0	18,115	11,757	4,537
1000	3	994+73 'TSB' - 1004+45 'TSB'	IH 39 TEMP CROSSOVER SHLD	2.50	-	-	215	215	-	-	-	54
		994+73 'TSB' - 1004+45 'TSB'		2.00	-	77	-	-	172			
		1004+59 'TSB' - 1019+20 'TSB'	MEDIAN	4.00	-	-	-	-	-	174	-	44
		1004+59 'TSB' - 1019+20 'TSB'		2.50	-	39	-	-	-	-	109	27
		1019+20 'TSB' - 1036+00 'TSB'	RT	4.00	-	-	-	-	-	273	-	68
		1019+20 'TSB' - 1036+00 'TSB'		2.50	-	61	-	-	-	-	171	43
		1179+00 'TSB' - 1246+00 'TSB'	RT	3.75	-	-	-	-	-	1266	-	316
		1179+00 'TSB' - 1246+00 'TSB'		2.25	-	301	-	-	-	-	759	190
			STAGE SUBTOTAL		0	478	215	215	172	1,713	1,039	742
			CATEGORY 1000 SUBTOTAL		5,789	5,650	567	215	172	22,319	14,349	5,279
			PROJECT TOTAL		**5,789**	**5,650**	**567**	**215**	**172**	**22,319**	**14,349**	**5,279**

BASE AGGREGATE ITEMS

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)
1000	1	1036+00 'TSB' - 1075+60 'TSB'	MEDIAN	430	5813	-	62
		1075+60 'TSB' - 1179+00 'TSB'	MEDIAN	999	14939	-	159
			STAGE SUBTOTAL	1,428	20,753	0	222
1000	2	1000+85 'TSB' - 1042+20 'TSB'	LT	231	14913	-	151
		1043+49 'TSB' - 1075+60 'TSB'	LT	348	13400	-	137
		1075+60 'TSB' - 1102+63 'TSB'	LT	216	10437	-	107
		1104+05 'TSB' - 1170+32 'TSB'	LT	592	26897	-	275
		1171+96 'TSB' - 1246+00 'TSB'	LT	548	30117	-	307
		48+10 'B' - 53+14 'B'	CTH B	3	213	-	2
		47+50 'W' - 53+79 'W'	CTH W	10	336	-	3
		48+78 'D' - 54+33 'D'	DROTNING RD	10	343	-	4
			STAGE SUBTOTAL	1,957	96,655	0	986
1000	3	992+45 'TSB' - 1019+20 'TSB'	MEDIAN	-	4867	-	49
		993+34 'TSB' - 1007+21 'TSB'	CONC CROSSOVER	-	1069	2461	11
		1019+20 'TSB' - 1036+00 'TSB'	MEDIAN	-	2350	-	24
		1179+00 'TSB' - 1246+00 'TSB'	MEDIAN	-	10449	178	104
			STAGE SUBTOTAL	0	18,735	2,639	187
			UNDISTRIBUTED	-	-	-	350
			CATEGORY 1000 SUBTOTAL	3,386	136,143	2,639	1,745
			PROJECT TOTAL	**3,386**	**136,143**	**2,639**	**1,745**

** WATER CONVERSION IS 1 MGAL/100 TON OF BASE AGGREGATE DENSE MATERIAL. USE WATER FOR BASE COMPACTION AND DUST CONTROL

SURFACE DRAIN PIPES

CATEGORY	STAGE	PIPE NO.	STRUCTURE NUMBER	STATION	OFFSET	INVERT	TO	STRUCTURE NUMBER	STATION	OFFSET	INVERT	**BACKFILL SLURRY CY	521.2005.S SURFACE DRAIN PIPE CORRUGATED METAL SLOTTED 18-INCH LF
1000	-	P01	-	950+50'X275'	3' RT	943.98	-	01.01	944+49'X275'	3' RT	930.45	43.1	601
		CATEGORY 1000 SUBTOTAL										43.1	601
		PROJECT TOTAL										**43.1**	**601**

** NON-BID ITEM: FOR INFORMATION ONLY

TEMPORARY SHORING LEFT IN PLACE

CATEGORY	STAGE	STATION	LOCATION	511.2300 (SF)
1000	2	1175+40 'TSB'	LT	710
			CATEGORY 1000 SUBTOTAL	710
			PROJECT TOTAL	**710**

CULVERT ITEMS

CATEGORY	STAGE	PIPE NAME	INLET STATION	INLET OFFSET	INLET ELEV. (FT)	OUTLET STATION	OUTLET OFFSET	OUTLET ELEV. (FT)	SLOPE (%)	520.8000 CONCRETE COLLARS FOR PIPES (EACH)	522.0112 CULVERT PIPE REINFORCED CONCRETE CLASS III 12-INCH (LF)	522.0118 CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH (LF)	522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH (LF)	522.0136 CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH (LF)	522.0148 CULVERT PIPE REINFORCED CONCRETE CLASS III 48-INCH (LF)	522.0330 CULVERT PIPE REINFORCED CONCRETE CLASS IV 30-INCH (LF)	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH (EACH)	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH (EACH)	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH (EACH)	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH (EACH)	522.1048 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH (EACH)
1000	2		1010+01'TSB'	26.9' LT	958.38	1010+01'TSB'	39.0' LT	957.84	4.53%	1	-	12	-	-	-	-	-	1	-	-	-
			1043+90'TSB'	71.0' LT	957.69	1043+90'TSB'	79.0' LT	957.67	0.28%	1	-	-	-	8	-	-	-	-	-	1	-
			1044+41'TSB'	67.4' LT	961.15	1044+41'TSB'	99.4' LT	961.10	0.16%	1	32	-	-	-	-	-	1	-	-	-	-
			1056+89'TSB'	30.6' LT	983.68	1056+89'TSB'	50.6' LT	983.59	0.45%	1	-	20	-	-	-	-	-	1	-	-	-
			1059+91'TSB'	47.7' LT	978.57	1059+91'TSB'	69.7' LT	978.25	1.44%	1	-	-	-	-	22	-	-	-	-	1	-
			1070+56'TSB'	45.1' LT	979.48	1070+56'TSB'	67.1' LT	979.38	0.45%	1	-	-	-	-	-	22	-	-	-	-	1
			1071+55'TSB'	47.9' LT	981.56	1071+56'TSB'	69.9' LT	980.32	5.64%	1	-	22	-	-	-	-	-	1	-	-	-
			1106+35'TSB'	189.2' RT	931.46	1106+42'TSB'	172.5' RT	930.69	4.28%	1	-	-	-	18	-	-	-	-	-	1	-
			1107+44'TSB'	75.1' LT	928.57	1107+54'TSB'	99.1' LT	928.35	0.85%	1	-	-	-	26	-	-	-	-	-	1	-
			1113+54'TSB'	52.3' LT	934.95	1113+54'TSB'	30.3' LT	934.22	3.30%	1	-	-	22	-	-	-	-	-	1	-	-
			1136+52'TSB'	25.9' LT	914.02	1136+52'TSB'	45.8' LT	913.92	0.50%	1	-	20	-	-	-	-	-	1	-	-	-
			1145+53'TSB'	36.8' LT	902.92	1145+66'TSB'	61.0' LT	902.86	0.24%	1	-	-	-	-	28	-	-	-	-	-	1
			1163+11'TSB'	99.4' LT	879.80	1163+28'TSB'	74.4' LT	879.70	0.33%	1	-	-	-	-	30	-	-	-	-	-	1
			1163+19'TSB'	98.4' LT	879.96	1163+34'TSB'	75.0' LT	879.79	0.59%	1	-	-	-	-	28	-	-	-	-	-	1
			1187+43'TSB'	40.0' LT	899.32	1187+44'TSB'	78.0' LT	895.60	7.44%	1	-	50	-	-	-	-	-	1	-	-	-
			1203+51'TSB'	38.0' LT	919.68	1203+56'TSB'	16.7' LT	919.68	0.00%	1	-	-	22	-	-	-	-	-	1	-	-
			1208+42'TSB'	47.1' LT	912.20	1208+42'TSB'	37.1' LT	912.03	1.70%	1	-	-	-	10	-	-	-	-	-	1	-
			1218+35'TSB'	75.5' LT	894.00	1218+35'TSB'	53.5' LT	892.95	4.77%	1	-	-	-	-	22	-	-	-	-	-	1
			1224+92'TSB'	37.6' LT	898.20	1225+01'TSB'	15.5' LT	897.95	1.04%	1	-	-	-	-	-	24	-	-	1	-	-
			1238+93'TSB'	35.4' LT	881.52	1238+93'TSB'	51.4' LT	881.12	2.50%	1	-	16	-	-	-	-	-	1	-	-	-
								STAGE SUBTOTAL		20	32	140	44	84	130	24	1	6	3	5	5
1000	3		1010+00'TSB'	53.1' RT	960.96	1010+00'TSB'	51.1' RT	960.94	1.05%	1	-	2	-	-	-	-	-	1	-	-	-
			1036+89'TSB'	48.4' RT	973.50	1036+90'TSB'	44.7' RT	973.15	8.75%	1	4	-	-	-	-	-	1	-	-	-	-
								STAGE SUBTOTAL		2	4	2	0	0	0	0	1	1	0	0	0
								PROJECT TOTAL		**22**	**36**	**142**	**44**	**84**	**130**	**24**	**2**	**7**	**3**	**5**	**5**

CONCRETE BARRIER TEMPORARY ITEMS

CATEGORY	STAGE	STATION	-	STATION	LOCATION	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED (LF)	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED (LF)	PINNED** (LF)	614.0800 CRASH CUSHIONS PERMANENT (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)
1000	2	48+55 'B'	-	52+55 'B'	RT	400	400	400	2	-	2	W05-58L/58R	TL-3	LT & RT	-	-
		48+30 'B'	-	52+69 'B'	LT	439	439	439	2	-	2	W05-58L/58R	TL-3	LT & RT	-	-
		48+15 'W'	-	52+15 'W'	RT	400	400	400	2	-	2	W05-58L/58R	TL-3	LT & RT	-	-
		48+64 'W'	-	53+14 'W'	LT	450	450	450	2	-	2	W05-58L/58R	TL-3	LT & RT	-	-
		49+05 'D'	-	53+68 'D'	LT	475	475	475	2	-	2	W05-58L/58R	TL-3	LT & RT	-	-
		49+60 'D'	-	53+96 'D'	RT	450	450	450	2	-	2	W05-58L/58R		LT & RT	-	-
		1041+10 'TSB'	-	1047+40 'TSB'	LT	625	625	-	-	1	2	W05-58R	TL-3	LT	380	380
		1101+50 'TSB'	-	1107+75 'TSB'	LT	625	625	-	-	1	2	W05-58R	TL-3	LT	425	425
		1168+75 'TSB'	-	1176+00 'TSB'	LT	725	725	-	-	1	2	W05-58R	TL-3	LT	410	410
		1224+58 'TSB'	-	1230+00 'TSB'	LT	550	550	-	1	-	2	W05-58R	TL-3	LT	-	-
								-								
				STAGE SUBTOTAL		5139	5139	2614	13	3					1215	1215
1000	3	996+20 'TSB'	-	1026+00 'TSB'	LT	2900	2900	-	-	-					-	-
				STAGE SUBTOTAL		2900	2900	0	0	0					0	0
				CATEGORY 1000 SUBTOTAL		8039	8039	2614	13	3					1215	1215
				PROJECT TOTALS		**8,039**	**8,039**	**2,614**	**13**	**3**					**1,215**	**1,215**

**NON-BID ITEM: FOR INFORMATION ONLY

CONCRETE BARRIER TEMPORARY ITEMS (CONTINUED)

CATEGORY	STAGE	STATION	-	STATION	LOCATION	SPV.0090.202 CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE (LF)
1800	2	48+55 'B'	-	52+55 'B'	RT	400
		48+30 'B'	-	52+69 'B'	LT	439
		48+15 'W'	-	52+15 'W'	RT	400
		48+64 'W'	-	53+14 'W'	LT	450
		49+05 'D'	-	53+68 'D'	LT	475
		49+60 'D'	-	53+96 'D'	RT	450
		1224+58 'TSB'	-	1230+00 'TSB'	LT	550
				STAGE SUBTOTAL		3164
				CATEGORY 1800 SUBTOTAL		3164
				PROJECT TOTAL		**3,164**

STORM SEWER STRUCTURES

CATEGORY	STAGE	STRUCTURE	STATION	OFFSET*	611.0610 INLET COVERS TYPE BW EACH	611.3004 INLETS ***** 4-FT DIAMETER EACH	RIM ELEVATION	INVERT** ELEVATION	DEPTH*** FT	REMARKS
1000	-	01.01	944+49 'X275'	3.0' RT	1	1	932.16	928.18	2.86	
			CATEGORY 1000 SUBTOTAL		1	1				
			PROJECT TOTAL		**1**	**1**				

REMARKS
* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
** FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
*** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6 -INCH ADJUSTMENT RING HEIGHT
**** ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS
***** CONCRETE FLAT SLAB TOP WITH 2x2.5-FT REQ'D. TO FACILITATE TYPE BW INLET COVER

GUARDRAIL ITEMS

CATEGORY	STAGE	STATION	-	STATION	LOCATION	614.2300 MGS GUARDRAIL 3 (LF)	614.2500 MGS THRIE BEAM TRANSITION (LF)	614.2610 MGS GUARDRAIL TERMINAL EAT (EACH)
1000	2	1043+86 'TSB'	-	1047+69 'TSB'	LT	275	39.4	1
		1104+08 'TSB'	-	1107+74 'TSB'	LT	275	39.4	1
		1172+32 'TSB'	-	1179+10 'TSB'	LT	625	39.4	1
				STAGE SUBTOTAL		1175	118	3
				PROJECT TOTAL		**1,175**	**118**	**3**

STORM SEWER PIPES

CATEGORY	STAGE	FROM	-	TO	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
1000	-	01.01	-	10.2 EX INLET	12	928.18	928.06	0.0103
				CATEGORY 1000 SUBTOTAL	12			
				PROJECT TOTAL	**12**			

* ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLANS
** NON-BID ITEM: FOR INFORMATION ONLY

RECONSTRUCTING INLETS

CATEGORY	STAGE	STATION	OFFSET	DESCRIPTION	611.0430 (EACH)
1000	3	1003+02'TSB'	RT	MEDIAN INLET	1
				STAGE SUBTOTAL	1
				PROJECT TOTAL	**1**

FENCING ITEMS

CATEGORY	STAGE	STATION	-	STATION	LOCATION	616.0100 FENCE WOVEN WIRE 4-FT (LF)	SPV.0090.002 FURNISHING TEMPORARY SNOW FENCE (LF)	SPV.0060.003 INSTALLING TEMPORARY SNOW FENCE (LF)
1000	2	999+98 'TSB'	-	1042+15 'TSB'	LT	4230	-	-
		1043+71 'TSB'	-	1102+45 'TSB'	LT	5980	4625	4625
		1103+97 'TSB'	-	1170+47 'TSB'	LT	7260	2335	2335
		1172+17 'TSB'	-	1202+95'TSB'	LT	3140	-	-
		1206+08 'TSB'	-	1223+73 'TSB'	LT	1770	-	-
		1226+93 'TSB'	-	1246+00 'TSB'	LT	1910	-	-
				STAGE SUBTOTAL		24290	6960	6960
				PROJECT TOTAL		**24,290**	**6,960**	**6,960**

EROSION CONTROL ITEMS

CATEGORY	STAGE	STATION	606.0200 RIPRAP MEDIUM (CY)	645.0120 GEOTEXTILE FABRIC TYPE HR (SY)	628.1104 EROSION BALES (EACH)	628.1504 SILT FENCE (LF)	628.1520 SILT FENCE MAINTENANCE (LF)	628.2002 EROSION MAT CLASS I TYPE A (SY)	628.2004 EROSION MAT CLASS I TYPE B (SY)	628.6510 SOIL STABILIZER TYPE B (ACRE)	628.7504 TEMPORARY DITCH CHECKS (LF)	628.7555 CULVERT PIPE CHECKS (EACH)	628.7570 ROCK BAGS (EACH)	SPV.0090.150 COMPOST TUBE (LF)
1000	2	1004+15 - 1041+80 'TSB'	-	-	-	851	851	-	-	-	210	-	-	-
		1043+85 - 1102+30 'TSB'	-	-	-	2839	2839	-	-	-	110	-	-	-
		1104+50 - 1169+85 'TSB'	-	-	130	3716	3716	1940	-	-	40	-	-	350
		1172+35 - 1204+30 'TSB'	12	36	560	2027	2027	-	-	-	50	2	-	-
		1204+30 - 1226+00 'TSB'	23	67	-	837	837	-	-	-	30	9	-	-
		1226+00 - 1246+00 'TSB'	6	17	160	793	793	-	3554	0.73	10	-	-	780
		STAGE SUBTOTAL	41	120	850	11,063	11,063	1,940	3,554	0.73	450	11	0	1,130
	3	1004+15 - 1041+80 'TSB'	-	-	-	-	-	-	-	-	-	2	-	-
		1043+85 - 1102+30 'TSB'	-	-	-	-	-	-	-	-	-	5	-	-
		1104+50 - 1169+85 'TSB'	-	-	-	-	-	-	-	-	-	5	-	-
		1172+35 - 1204+30 'TSB'	-	-	-	-	-	-	-	-	-	2	-	-
		1204+30 - 1226+00 'TSB'	-	-	-	-	-	-	-	-	-	2	-	-
		1226+00 - 1246+00 'TSB'	-	-	-	-	-	-	-	-	-	1	-	-
		STAGE SUBTOTAL	0	0	0	0	0	0	0	0	0	17	0	0
		UNDISTRIBUTED	9	30	150	2237	2237	388	778	1.00	90	6	100	240
		PROJECT TOTAL	**50**	**150**	**1,000**	**13,300**	**13,300**	**2,328**	**4,332**	**1.73**	**540**	**34**	**100**	**1,370**

REMOVING SIGNS

CATEGORY	SIGN #	SIGN CODE	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	REMARKS
1000	R04-01	W5-52R	1	1	CLEARANCE STRIPER DOWN LEFT
	R04-02	W5-52L	1	1	CLEARANCE STRIPER DOWN RIGHT
	R04-04	W5-52R	1	1	CLEARANCE STRIPER DOWN LEFT
	R08-01	W5-52R	1	1	CLEARANCE STRIPER DOWN LEFT
	R08-02	W5-52L	1	1	CLEARANCE STRIPER DOWN RIGHT
	R08-04	W5-52R	1	1	CLEARANCE STRIPER DOWN LEFT
	R08-05	W5-52L	1	1	CLEARANCE STRIPER DOWN RIGHT
	R13-02	W5-52R	1	1	CLEARANCE STRIPER DOWN LEFT
	R13-03	W5-52L	1	1	CLEARANCE STRIPER DOWN RIGHT
	R13-05	W5-52R	1	1	CLEARANCE STRIPER DOWN LEFT
	R13-06	W5-52L	1	1	CLEARANCE STRIPER DOWN RIGHT
	PROJECT TOTAL		**11**	**11**	

FINISHING ITEMS

CATEGORY	STAGE	STATION - STATION	LOCATION	625.0500 SALVAGED TOPSOIL (SY)	627.0200 MULCHING (SY)	629.0205 FERTILIZER TYPE A (CWT)	630.0130 SEEDING MIXTURE NO. 30 (LB)	630.0200 SEEDING TEMPORARY (LB)
1000	1	1036+00 'TSB' - 1041+66 'TSB'	RT	268	268	1	15	0
		1044+47 'TSB' - 1102+87 'TSB'	RT	4071	4071	6	174	0
		1109+50 'TSB' - 1163+00 'TSB'	RT	1842	1842	4	122	0
		1175+15 'TSB' - 1179+00 'TSB'	RT	487	487	1	15	0
			STAGE SUBTOTAL	6668	6668	11	326	0
1000	2	1003+75 'TSB' - 1041+80 'TSB'	LT	15725	15725	12	108	333
		1043+88 'TSB' - 1102+27 'TSB'	LT	26302	26302	20	175	599
		1104+16 'TSB' - 1170+10 'TSB'	LT	28338	26398	21	198	600
		1172+30 'TSB' - 1246+00 'TSB'	LT	44150	29645	31	215	1006
			STAGE SUBTOTAL	114515	98071	84	696	2538
1000	3	1000+94 'TSB' - 1019+20 'TSB'	MEDIAN	0	0	0	9	0
		1019+20 'TSB' - 1041+66 'TSB'	RT	914	914	2	45	0
		1179+00 'TSB' - 1246+00 'TSB'	RT	6356	6356	8	219	0
			STAGE SUBTOTAL	7271	7271	10	273	0
			UNDISTRIBUTED	25691	22402	21	259	508
			PROJECT TOTAL	**154150**	**134420**	**125**	**1555**	**3045**

EROSION CONTROL ITEMS

CATEGORY	STAGE	STATION	LOCATION	628.7005 INLET PROTECTION TYPE A (EACH)	628.7560 TRACKING PADS (EACH)
1000	3	1044+38 'TSB	RT	1	-
		1114+52 'TSB	RT	1	-
		1202+67 'TSB	RT	1	-
		1203+77 'TSB	RT	1	-
		1224+64 'TSB	RT	1	-
		1238+95 'TSB	RT	1	-
			STAGE SUBTOTAL	6	0
			UNDISTRIBUTED	5	6
			CATEGORY 1000 SUBTOTAL	11	6
			PROJECT TOTAL	**11**	**6**

EROSION CONTROL MOBILIZATION

CATEGORY	STAGE	LOCATION	628.1905 MOBILIZATION EROSION CONTROL (EACH)	628.1910 EMERGENCY MOBILIZATIONS EROSION CONTROL (EACH)
1000	1	IH 39	2	1
	2	IH 39	2	1
	3	IH 39	2	1
		STAGE SUBTOTAL	6	3
		UNDISTRIBUTED	1	1
		CATEGORY 1000 SUBTOTAL	7	4
		PROJECT TOTAL	**7**	**4**

MOVING SIGNS

CATEGORY	SIGN #	SIGN CODE	638.2102 MOVING SIGNS TYPE II (EACH)
1000	M01-01	D10-5A	1
	M01-02	D10-5A	1
	M01-03	D10-5A	1
	M02-01	D10-5A	1
	M03-01	R8-7	1
	M04-03	M1-94	1
	M05-01	R3-4B	1
	M07-01	D10-5A	1
	M07-02	D10-5A	1
	M08-03	M1-94	1
	M09-01	R3-4B	1
	M12-01	D10-5A	1
	M13-01	D10-5A	1
	M13-04	D10-5A	1
	M14-01	D10-5A	1
	M15-01	D10-5A	1
	M15-02	M1-94	1
	M16-01	D10-5A	1
	M16-02	D10-5A	1
	M17-01	D10-5A	1
	M18-01	D10-5A	1
	PROJECT TOTALS		**21**

3

TRAFFIC CONTROL

CATEGORY	LOCATION	STAGE	DAYS	643.0200.S TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE 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	COMMENTS
1000	IH 39	1	10	10	267	2670	4	40	8	80	17	170	2	20	3	30	26	260	
	IH 39	2	70	70	347	24290	46	3220	44	3080	17	1190	2	140	3	252	62	4340	
	IH 39	3	8	8	359	2872	4	32	8	64	17	136	2	16	3	24	21	168	
	UNDISTRIBUTED			-		568		58		96		154		44		54		102	
CATEGORY 1000 SUBTOTAL																			
	PROJECT TOTAL			**88**		**30,400**		**3,350**		**3,320**		**1,650**		**220**		**360**		**4,870**	

TEMPORARY PAVEMENT MARKING

CATEGORY	STAGE	STATION	-	STATION	LOCATION	646.0402 PAINT 4-INCH (TRAFFIC CONTROL STAGING) EDGELINE WHITE (LF)	EDGELINE YELLOW (LF)	12.5' SKIPS WHITE (LF)	649.0403 EPOXY 4-INCH EDGELINE WHITE (LF)	EDGELINE YELLOW (LF)	12.5' SKIPS WHITE (LF)	*646.0600 REMOVING PAVEMENT MARKINGS (LF)
1000	2	1036+98 'TSB'	-	1178+85 'TSB'	IH 39 SB	14188	14196	3548	-	-	-	
					STAGE SUBTOTAL	14188	14196	3548	0	0	0	31932
							31932			0		
1000	3	996+80 'TSB'	-	1031+11 'TSB'	IH 39 SB	3429	3443	859	-	-	-	
					STAGE SUBTOTAL	3429	3443	859	0	0	0	7731
							7731			0		
1000	-	996+80 'TSB'	-	1246+00 'TSB'	IH 39 SB	-	-	-	24900	24900	-	
	-	996+80 'TSB'	-	1179+00 'TSB'	IH 39 SB	-	-	-	-	-	4550	
					STAGE SUBTOTAL	0	0	0	24900	24900	4550	0
							0			54350		
					PROJECT TOTAL		**39,663**			**54,350**		**39,663**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

REMOVING PAVEMENT MARKINGS

CATEGORY	STAGE	STATION	-	STATION	LOCATION	*646.0600 EDGELINE WHITE (LF)	EDGELINE YELLOW (LF)	12.5' SKIPS WHITE (LF)
1000	2	1037+00 'TSB'	-	1179+00 'TSB'	SB IH 39	14200	14200	355
					STAGE SUBTOTAL	14200	14200	355
1000	3	997+00 'TSB'	-	1031+00 'TSB'	SB IH 39	3400	3400	850
					STAGE SUBTOTAL	3400	3400	850
					PROJECT TOTAL		**36,405**	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

SAWING PAVEMENT

CATEGORY	STAGE	STATION	LOCATION	690.0150 SAWING ASPHALT (LF)	690.0250 SAWING CONCRETE (LF)	REMARKS
1000	1	1036+00 'TSB' - 1041+72 'TSB'	MEDIAN	572		
		1043+24 'TSB' - 1103+06 'TSB'	MEDIAN	6037	-	
		1104+73 'TSB' - 1169+44 'TSB'	MEDIAN	6511	-	
		1171+99 'TSB' - 1179+00 'TSB'	MEDIAN	701	-	
			STAGE SUBTOTAL	13,821	0	
	2	1003+74 'TSB' - 1013+20 'TSB'	LT	955	-	SAFETY EDGE
		1013+20 'TSB' - 1041+52 'TSB'	LT	-	47	MILL AND OVERLAY
		1043+68 'TSB' - 1102+53 'TSB'	LT	-	36	MILL AND OVERLAY
		1104+73 'TSB' - 1169+44 'TSB'	LT	-	104	MILL AND OVERLAY
		1171+99 'TSB' - 1246+00 'TSB'	LT	-	13	MILL AND OVERLAY
		48+10 'B' - 53+00 'B'	RT	490	-	SHOULDER
		48+24 'B' - 53+14 'B'	LT	490	-	SHOULDER
		47+50 'W' - 52+80 'W'	RT	530	-	SHOULDER
		48+49 'W' - 53+79 'W'	LT	530	-	SHOULDER
		48+78 'D' - 54+33 'D'	LT	555	-	SHOULDER
		49+17 'D' - 54+30 'D'	RT	513	-	SHOULDER
			STAGE SUBTOTAL	4063	200	
	3	998+78 'TSB' - 1017+82 'TSB'	MEDIAN	1,987	857	
		1017+82 'TSB' - 1036+00 'TSB'	MEDIAN	1829	-	
		1179+00 'TSB' - 1246+00 'TSB'		6713		
			STAGE SUBTOTAL	10,529	857	
			CATEGORY 1000 SUBTOTAL	28,413	1,057	
			PROJECT TOTAL	**28,413**	**1,057**	

TRAFFIC CONTROL DETOUR SIGNS

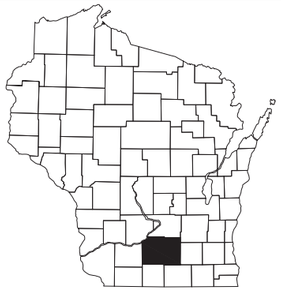
CATEGORY	SIGN NUMBER	MESSAGE	EACH	DAYS	643.3000 TOTAL DAYS
1000	M1-5A	"COUNTY B"	15	70	1050
	M4-6	"END"	2	70	140
	M4-8	"DETOUR"	15	70	1050
	MO6-1		5	70	350
	MO5-1L		4	70	280
	MO5-1R		4	70	280
	STAGE SUBTOTAL				3150
1000	M1-5A	"COUNTY W"	12	55	660
	M4-6	"END"	2	55	110
	M4-8	"DETOUR"	12	55	660
	MO6-1		3	55	165
	MO5-1L		3	55	165
	MO5-1R		4	55	220
	STAGE SUBTOTAL				1980
	PROJECT TOTAL				**5,130**

TEST PITS

PROJECT NUMBER	CATEGORY	LOCATION	SPV.0060.003 (EACH)
1007-10-88	1000	UNDISTRIBUTED	20
	PROJECT TOTALS		**20**

DELINEATORS/FLEXIBLE TUBULAR MARKERS

PROJECT NUMBER	CATEGORY	STAGE	LOCATION	633.1100 DELINEATOR TEMPORARY (EACH)	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR POSTS (EACH)	643.0600 MARKER BASES (EACH)
1007-10-88	1000		CROSSOVER X271	8	110	110
			PROJECT TOTALS	**8**	**110**	**110**



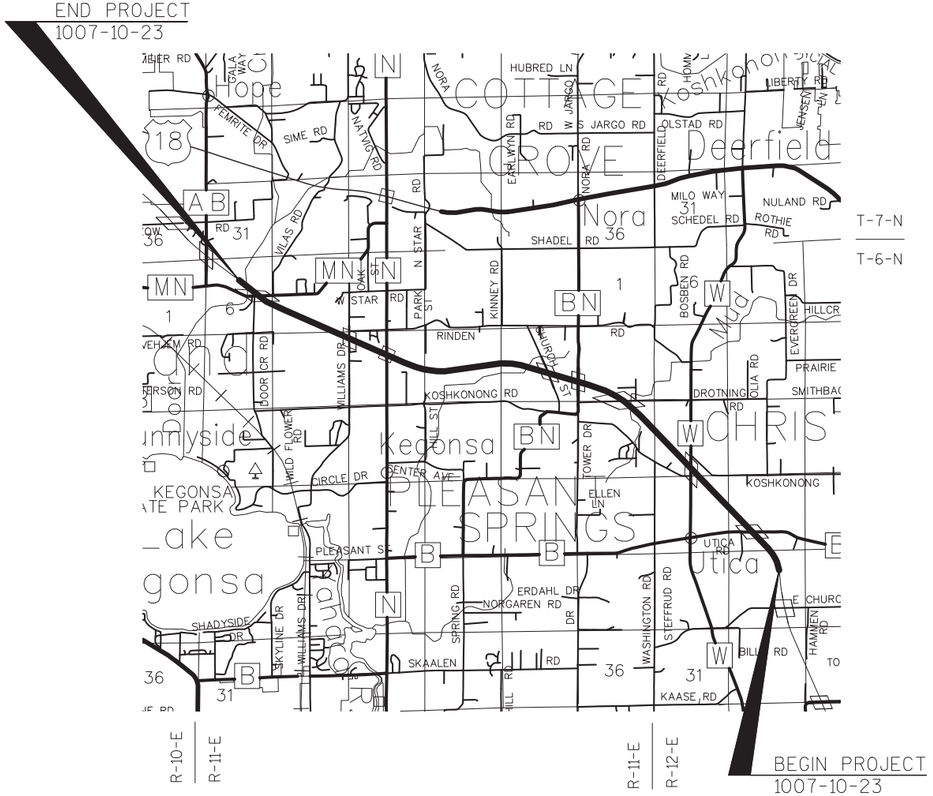
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

PROJECT 1007-10-23
ILLINOIS STATE LINE - MADISON

(EAST CHURCH ROAD TO CTH AB)

I-39/90
DANE COUNTY



GN

LAYOUT
SCALE 0 1 MI.

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 1007-10-23.

CONVENTIONAL SYMBOLS

- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- NEW REFERENCE LINE
- NEW R/W LINE
- EXISTING R/W LINE
- PROPERTY LINE — P.L. —
- LOT, TIE & OTHER MINOR LINES
- CORPORATE LIMITS
- UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) — W (TYPE) —
- 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 — x —

- SECTION CORNER (13 18 19 24 25 30 31 36)
- NOTATION FOR COMBUSTABLE FLUIDS — CAUTION
- NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES — CAUTION
- R/W STANDARD
- R/W MONUMENT
- NON-MONUMENTED R/W POINT
- FOUND IRON PIN — IP
- VALVE (GAS, WATER, ETC.) — (TYPE)
- SIGN — SIGN
- OFF-PREMISE SIGN — I-25 — SIGN

	COMPENSABLE	NON-COMPENSABLE
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
- 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.

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:

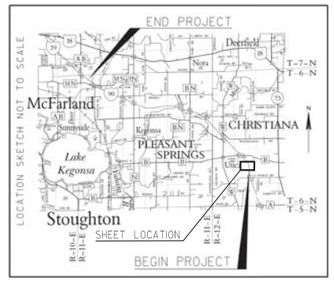
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE 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

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
SECTION LINE
P.L.
STA. 1971+97.97
TAN. RL S43°28'16"E, 245.91' PT TO TRAV. PNT.
S89°57'54"E, 167.22' TAN. TO R/W
RL=N43°28'16"W, 1971.75'
PT: 1974+34.96
PI STA.1965+27.98
LOT 1 CSM 12802 V.81, P.91-92 DOC.4611825
TAN. RL N43°28'16"W TO TRAV. PNT. 730.14'
S0°40'57"E, 979.67' MON TO R/W
S2°03'11"E, 1314.59' MON TO R/W
1/16 LINE
1/4 LINE
1/2 LINE
TOWN
NE-NW
NW-NE
NE-NE
SE-NW
SW-NE
SE-NE
OF
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
1960
1950
1945
1910
1965
1955
PC: 1955+51.93
PT: 1947+80.35
RL=N6°16'04"W
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
N0°30'45"W, 4322.02' MON TO R/W
N2°03'11"W, 973.75' MON TO R/W
STA. 1957+24.85
STA. 1943+86.77
SEE SHEET 4.03
SEE TPP 1007-10-21-4.23
IP182
IP181
IP180
PI STA.1965+27.98

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 DATE

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

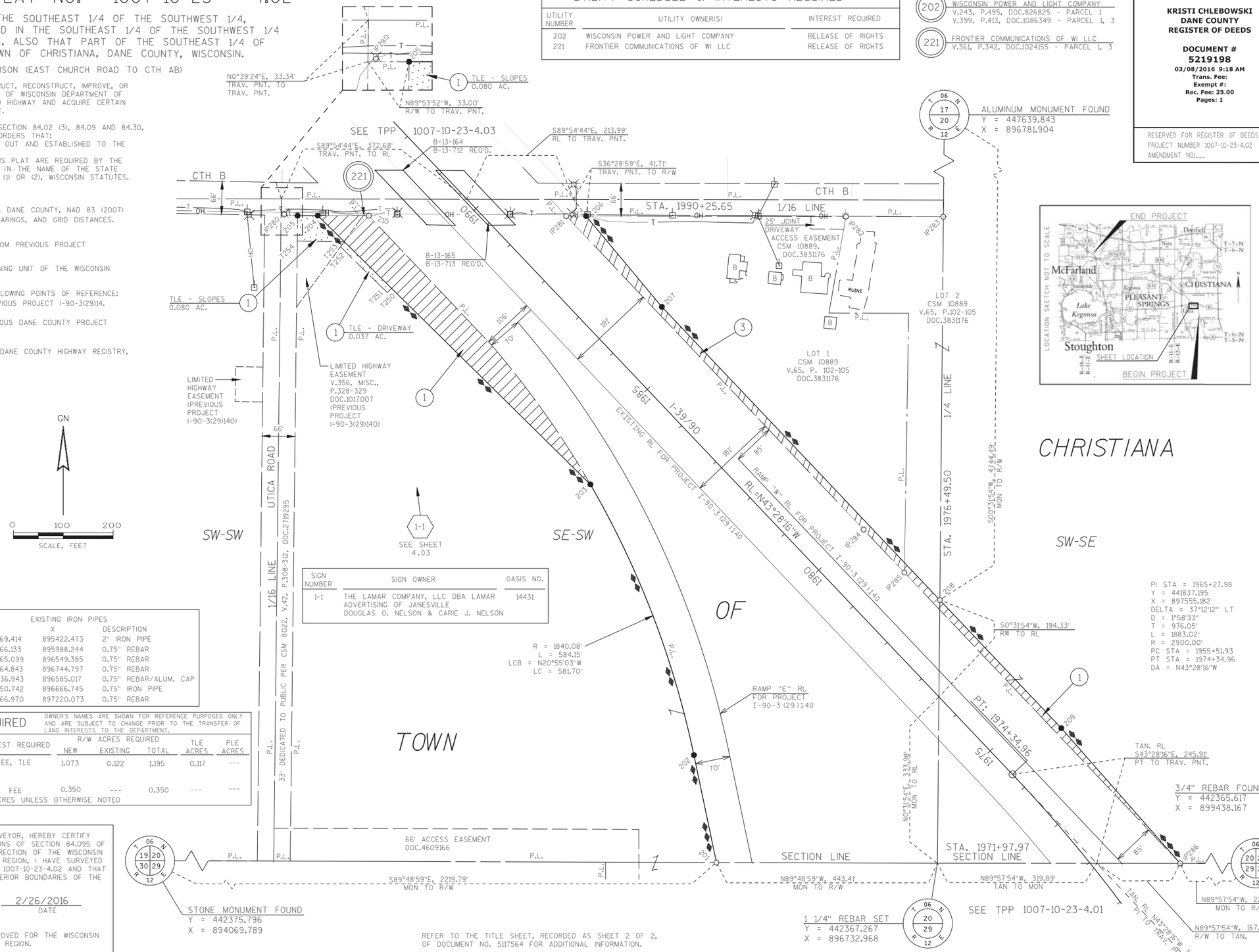
SIGN SCHEDULE

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:___



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 1007-10-23-4.02 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

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:

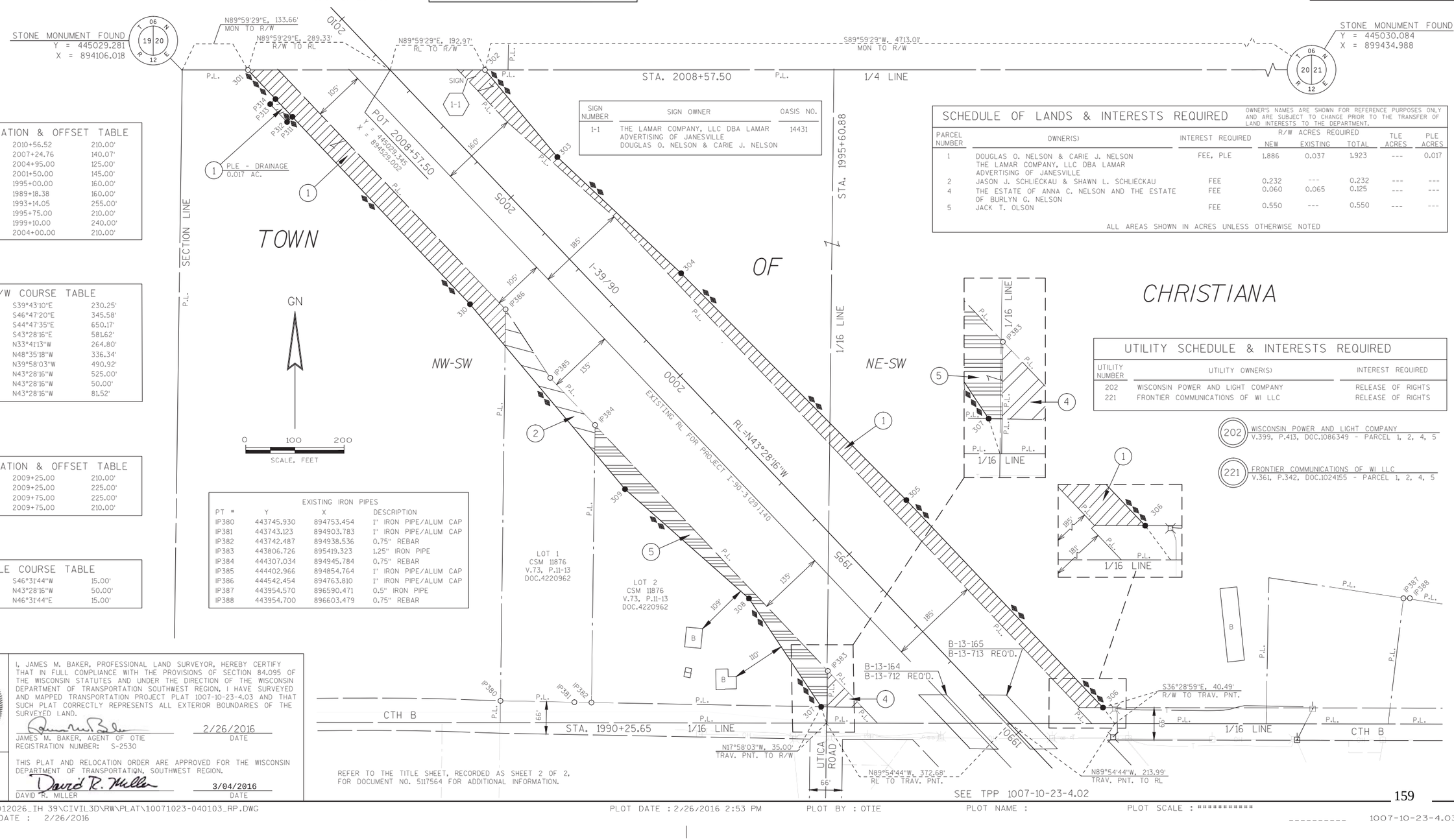
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE 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



SIGN NUMBER	SIGN OWNER	OASIS NO.
1-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE DOUGLAS O. NELSON & CARIE J. NELSON	14431

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

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'

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

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 Oneida Tribal 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

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.

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.

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	---	---

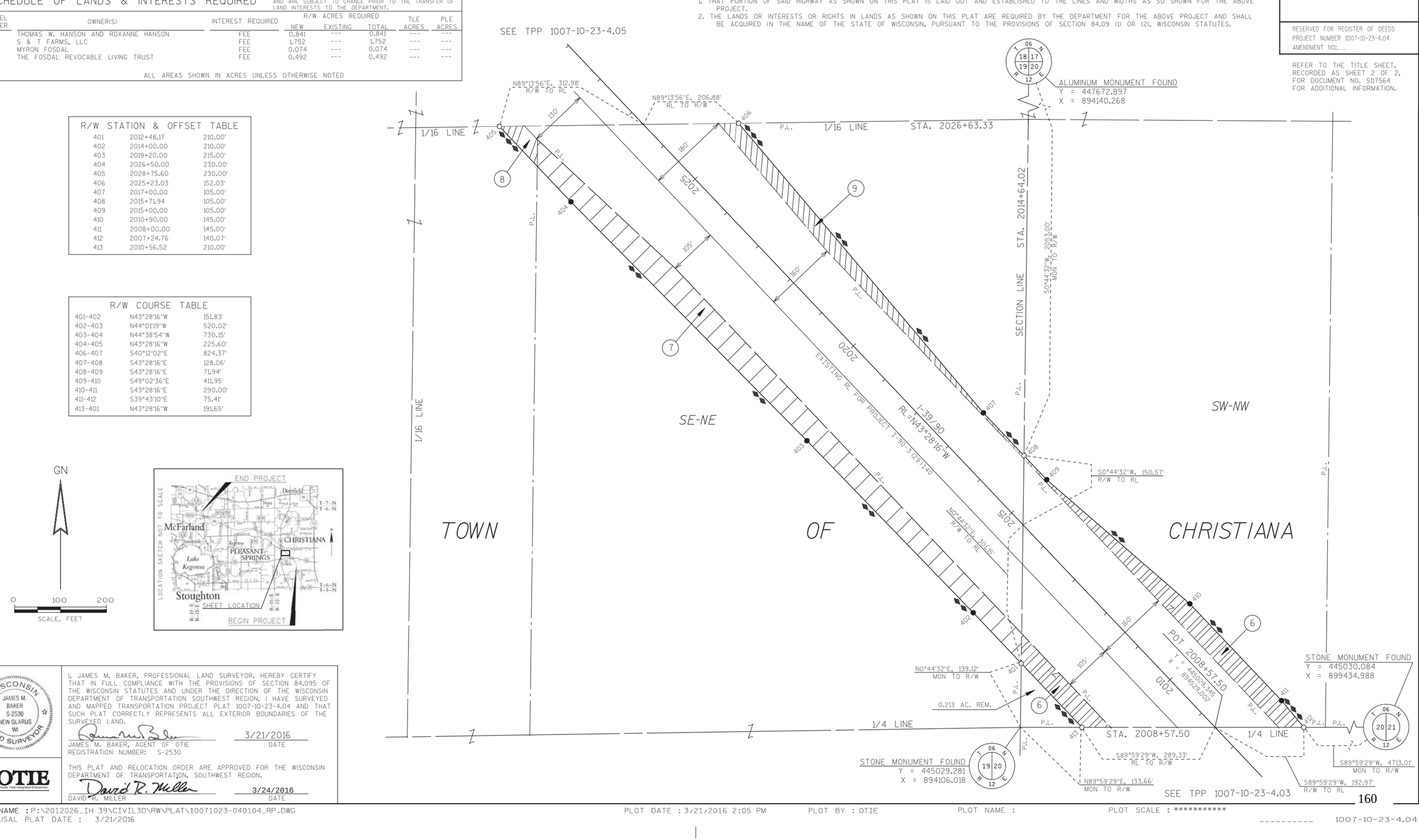
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

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'



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 1007-10-23-4.04 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

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

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)

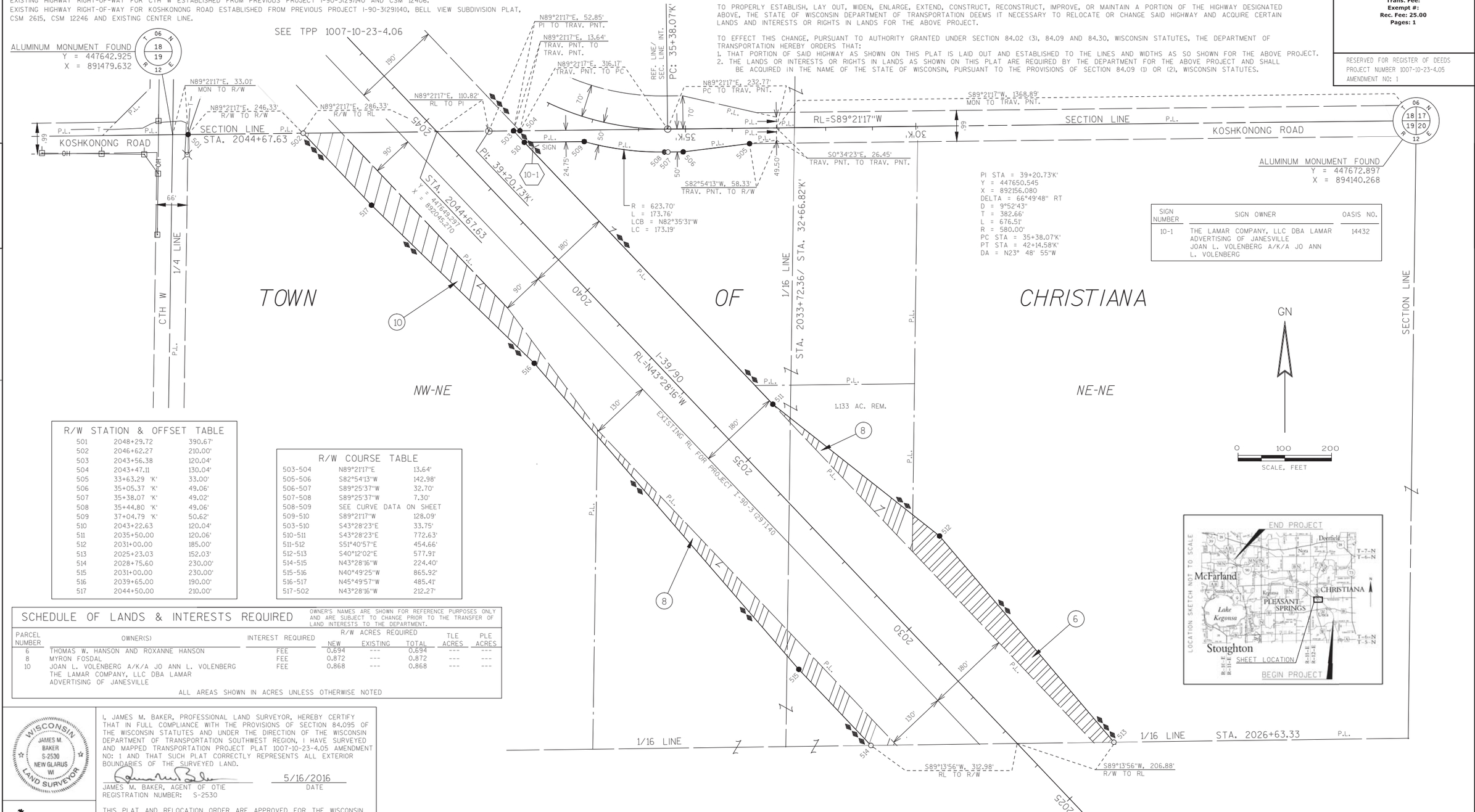
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN 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

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
DAVID R. MILLER

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

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)

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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:___

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.

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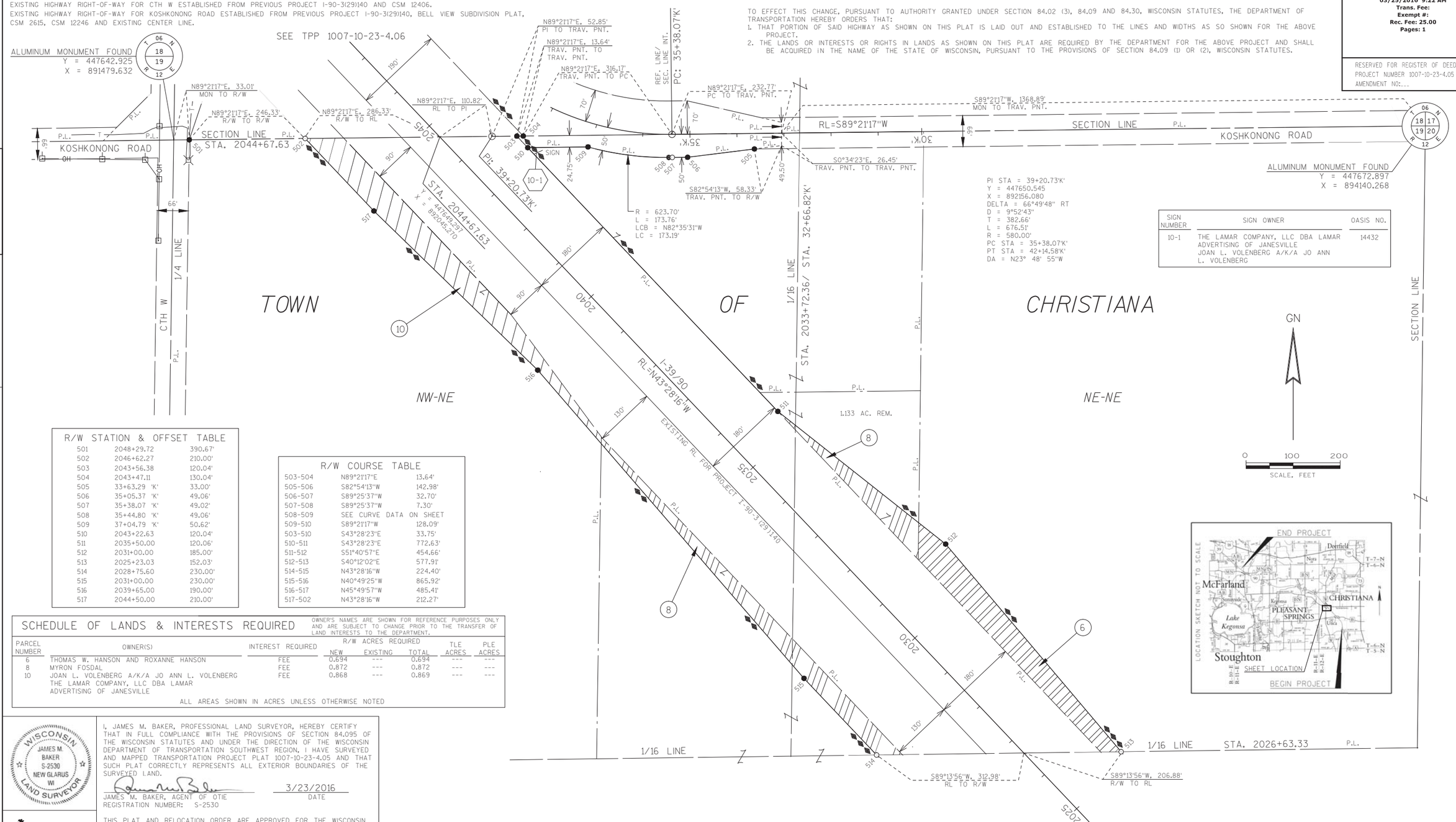

SIGN NUMBER	SIGN OWNER	OASIS NO.
10-1	THE LAMAR COMPANY, LLC DBA LAMAR ADVERTISING OF JANESVILLE JOAN L. VOLENBERG A/K/A JO ANN L. VOLENBERG	14432

R/W STATION & OFFSET TABLE

501	2048+29.72	390.67'
502	2046+62.27	210.00'
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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

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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'
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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

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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

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_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.
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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

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

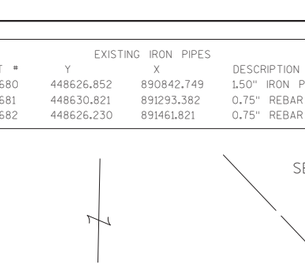
(202) WISCONSIN POWER AND LIGHT COMPANY
V.400, P.504, DOC.1088288 - PARCEL 11
DOC.5066203 - PARCEL 11
DOC.5076518 - PARCEL 11

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.

SEE TPP 1007-10-23-4.07

SEE TPP 1007-10-23-4.05

3/4" REBAR SET
Y = 450289.377
X = 891520.751

T 06 N R 12 E 18

STA. 2062+74.70

1/16 LINE

N89°33'16"E, 287.26' R/W TO RL

N89°33'16"E, 177.79' RL TO R/W

RL=N43°28'16"W

I-39/90

EXISTING RL FOR PROJECT I-90-3(29)140

TOWN

OF

CHRISTIANA

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

PI: 54+16.72'W'/
PT: 50+00.00'K'

TAN. RL S82°47'21"E, 3.39' PI TO TRAV. PNT.

S0°53'25"W, 112.90' TAN. TO TRAV. PNT.

S0°53'25"W, 185.93' TRAV. PNT. TO RL

PI: 54+16.72'W'/
PT: 50+00.00'K'
Y = 448535.452
X = 891490.125
DELTA = 0°14'38" LT.

N0°53'25"E, 593.38' MON TO RL

N00°46'44"E 50.00'

N00°32'06"E 55.00'

N00°19'22"E

STA. 2052+76.40/49+96.60'K'

STA. 2062+74.70

S0°53'25"W, 1544.86' MON TO TRAV. PNT.

CTH W

66'

P.L.

OH

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'
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

R = 606.70'
L = 487.09'
LCB = S46°27'23"E
LC = 474.11'

SW-SE

PC: 44+64.84'K'

RL=N23°48'55"W

PT: 42+14.58'K'

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'

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

RL=S89°21'17"W

SECTION LINE

KOSHKONONG ROAD

S89°21'17"W, 1368.89' MON TO TRAV. PNT.

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.

PI: 39+20.73'K'

STA. 2044+67.63/
STA. 45+24.14'W'

STA. 2044+67.63
Y = 447648.237
X = 892045.270

S89°21'17"W, 286.33' RL TO R/W

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, 0.62' RL TO MON

0.546 AC. REM.

REF. LINE/ SEC. LINE INT. STA. 45+86.85'W

PI: 48+08.19'W
Y = 447926.981
X = 891481.853
DELTA = 0°27'22" RT.

ALUMINUM MONUMENT FOUND
Y = 447642.925
X = 891479.632

N45°05'39"E, 40.62' TRAV. PNT. TO R/W

S89°16'45"W, 150.06' MON TO TRAV. PNT.

ALUMINUM MONUMENT FOUND
Y = 447611.380
X = 888972.816

ALUMINUM MONUMENT FOUND
Y = 442352.103
X = 891401.402

ALUMINUM MONUMENT FOUND
Y = 447672.897
X = 894140.268

LIMITED HIGHWAY EASEMENT V.356, MISC., P.76 DOC.1016578 (PREVIOUS PROJECT I-90-3(29)140)

B-13-148 B-13-714 REQ'D.

B-13-149 B-13-715 REQ'D.

CHRISTIANA

1/4 LINE

1/16 LINE

SECTION LINE

KOSHKONONG ROAD

CTH W

P.L.

OH

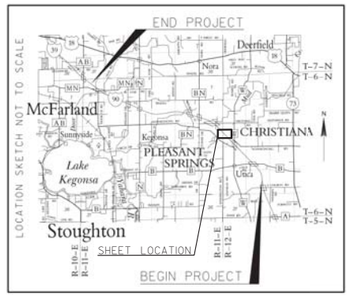
T

E

C

11 12 202 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624

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.

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:

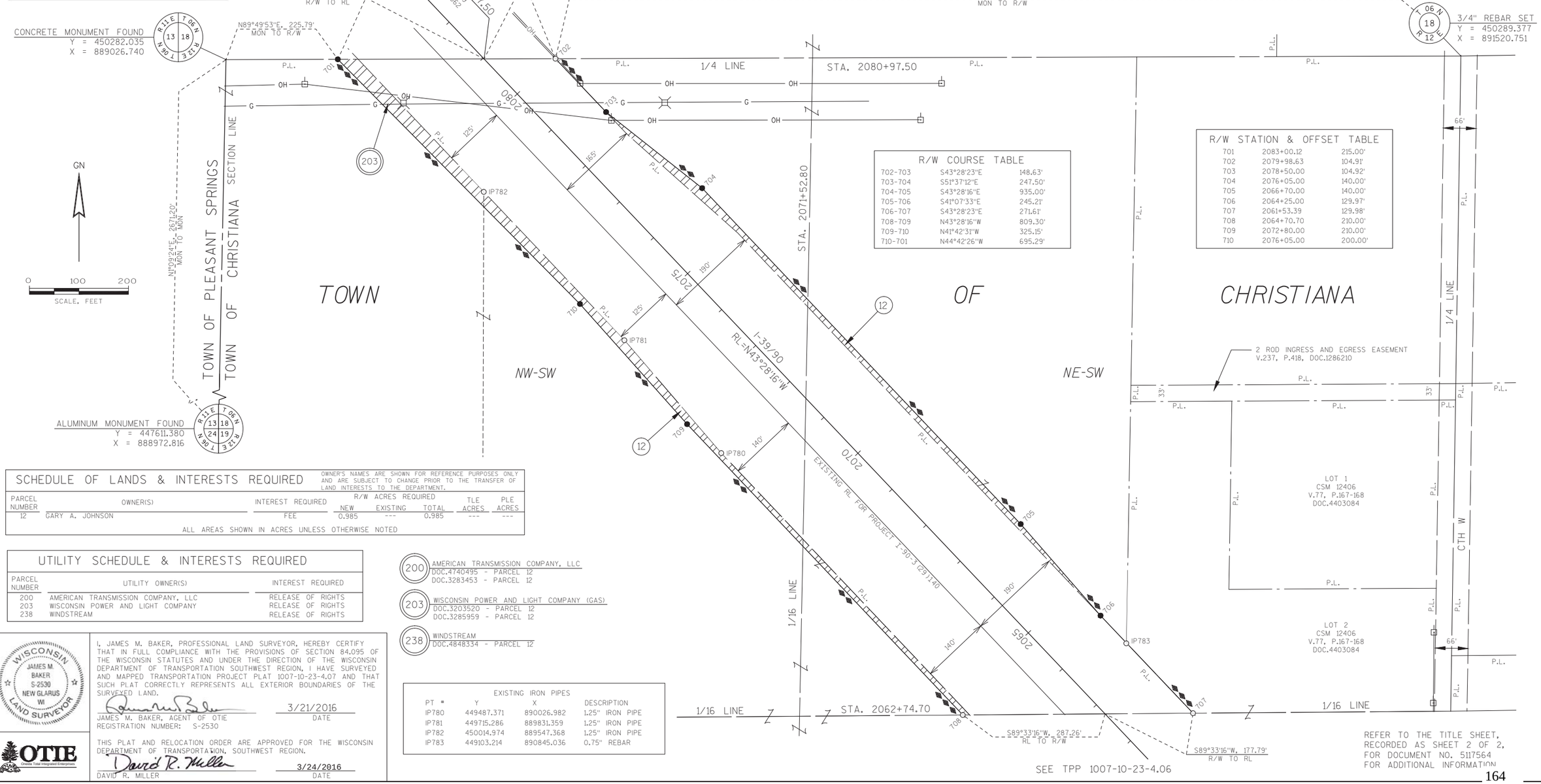
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

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:___

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 Omnia 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

SEE TPP 1007-10-23-4.06

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:

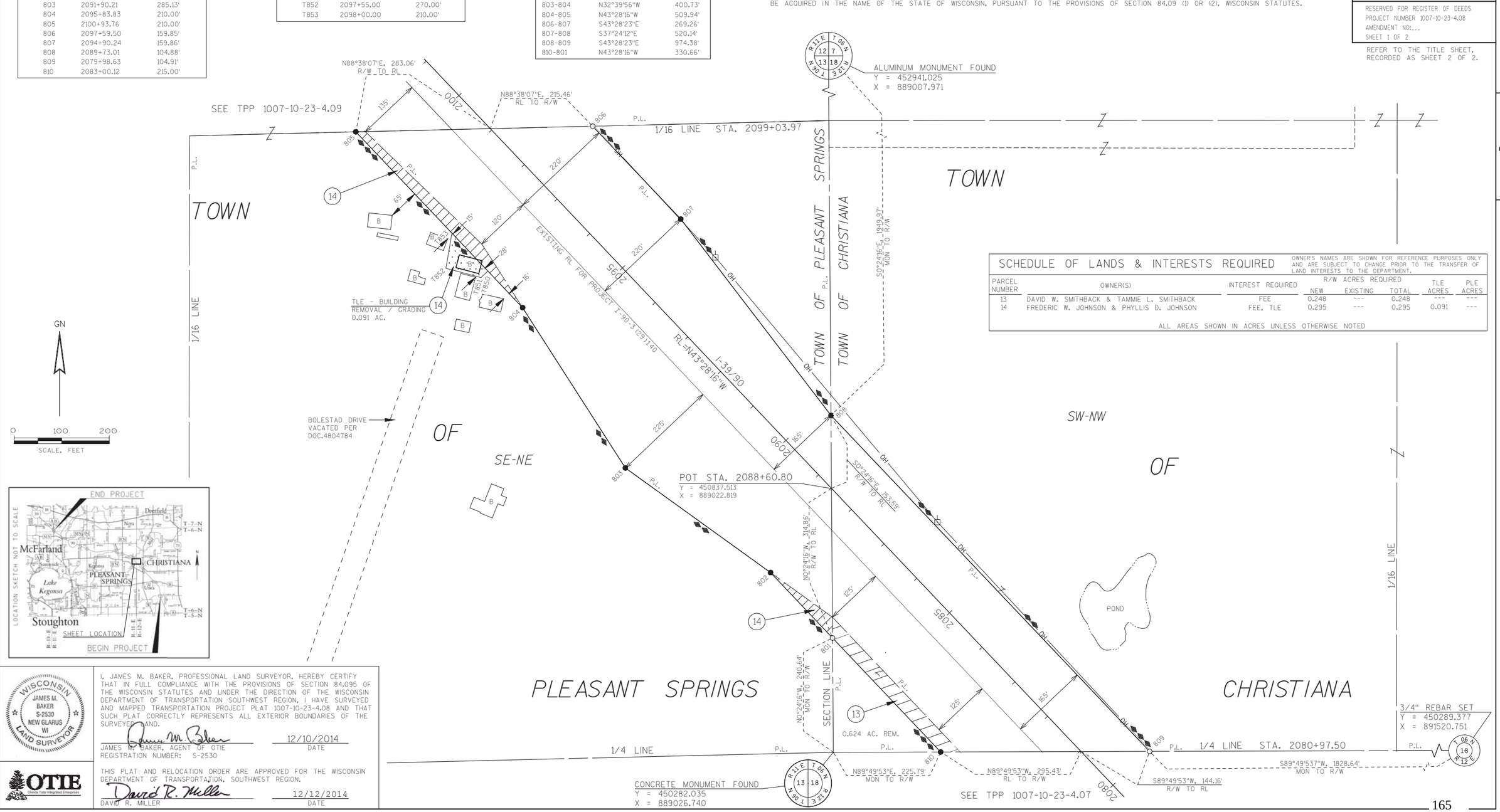
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE 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

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:___

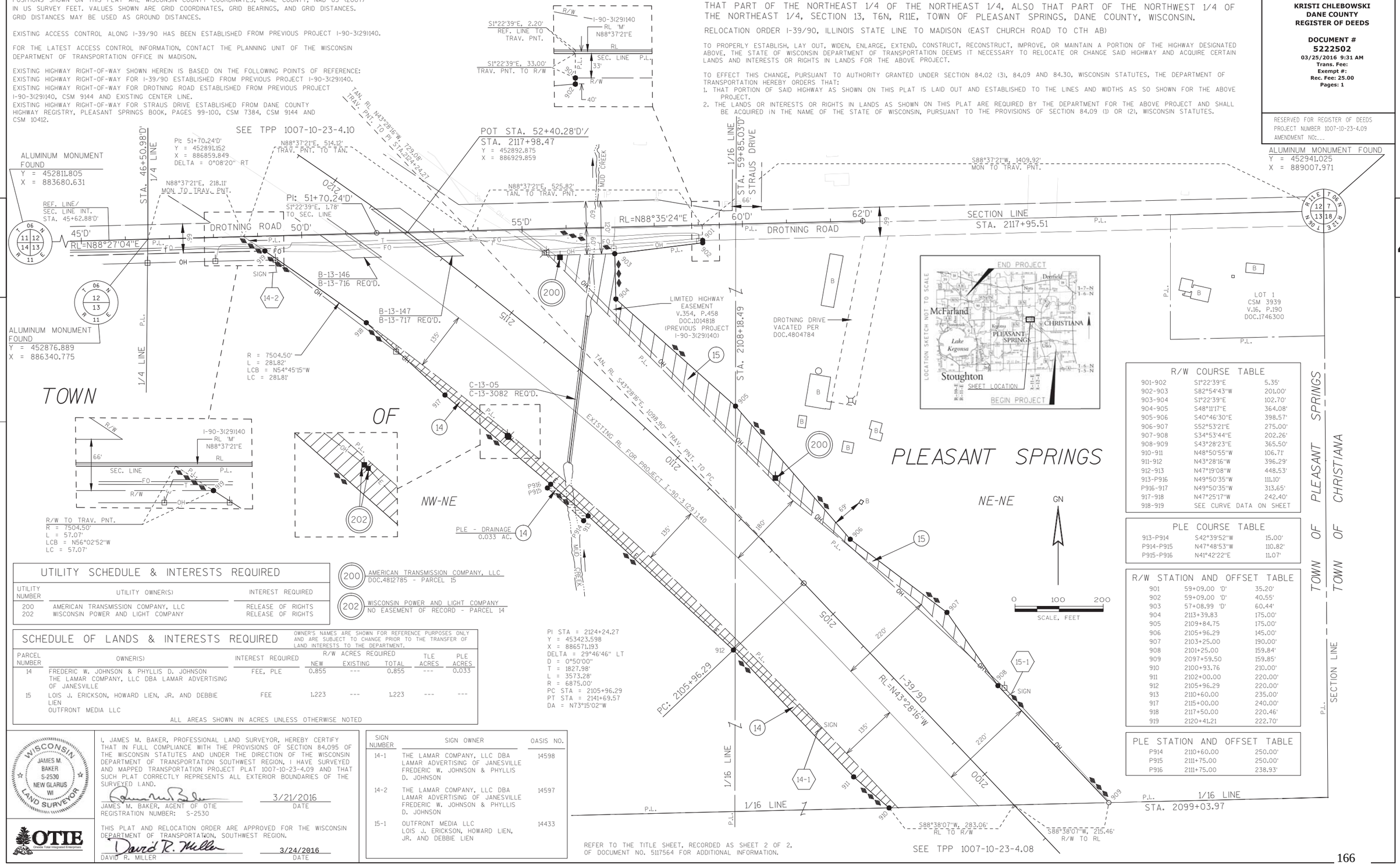
NOTES:

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 Orbeka 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

T 06 N, R 11 E, SECTION 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

STA. 2125+01.06

S0°34'09"W, 4679.77' MON TO R/W

1/4 LINE

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

SW-SE

MUD CREEK

PLEASANT SPRINGS

SE-SW

I-39/90

EXISTING RL FOR PROJECT I-90-3(29)140

POND

C-13-55
C-13-3083 REQ'D.

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

N0°34'09"E, 489.32' R/W TO TAN.

PLE - DRAINAGE 0.042 AC.

N0°34'09"E, 127.04' R/W TO MON

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

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

STA. 59+85.03'D'

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

SIGN

IP1080 IP1081 IP1082 IP1083 IP1084 IP1085

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

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

168

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

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

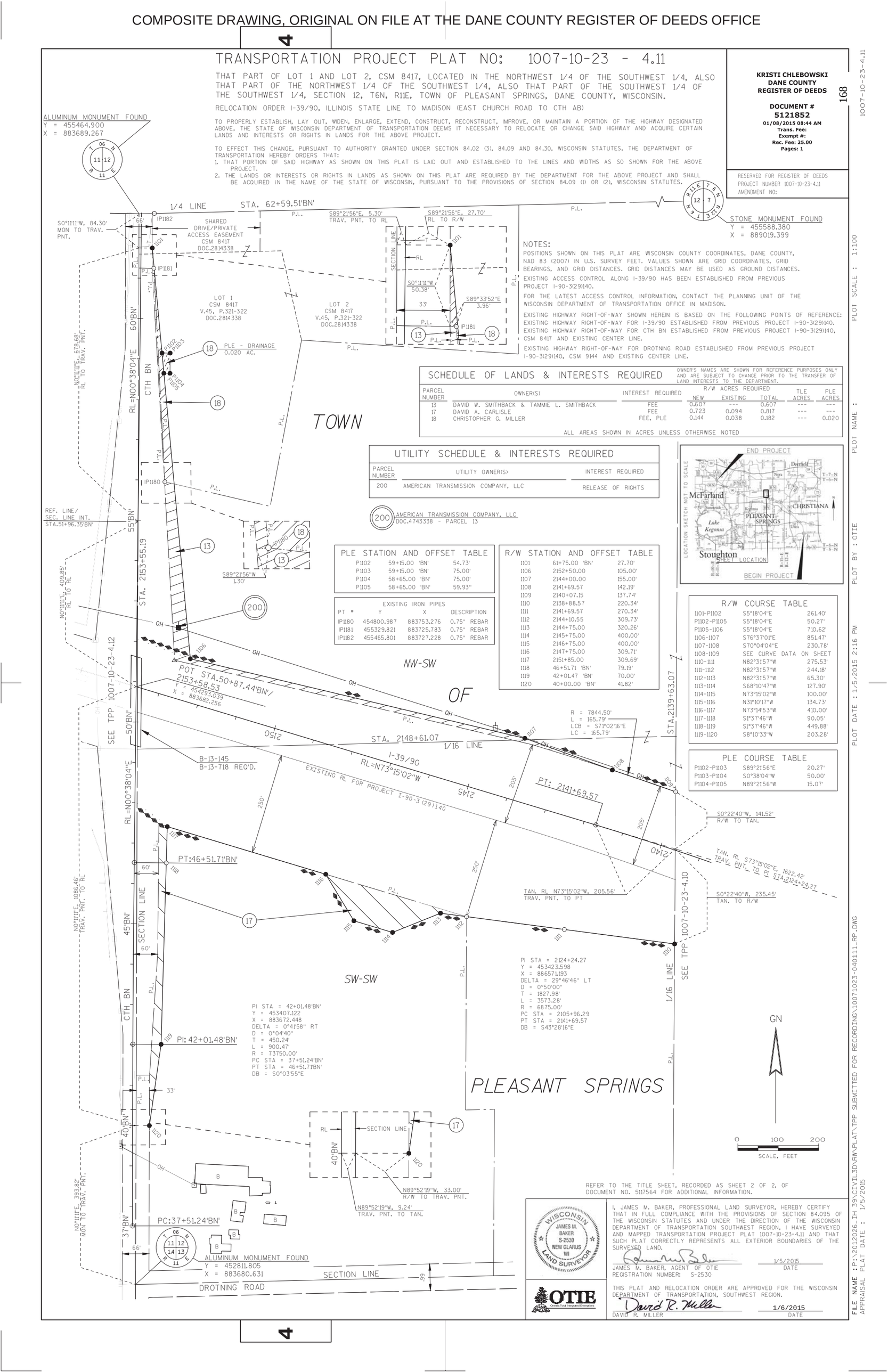
1101	61+75.00 'BN'	27.70'
1106	2152+50.00	105.00'
1107	2144+00.00	155.00'
1108	2141+69.57	142.19'
1109	2140+07.15	137.74'
1110	2138+88.57	220.34'
1111	2141+69.57	270.34'
1112	2144+10.55	309.73'
1113	2144+75.00	320.26'
1114	2145+75.00	400.00'
1115	2146+75.00	400.00'
1116	2147+75.00	309.71'
1117	2151+85.00	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'



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

WISCONSIN JAMES M. BAKER S-2530 NEW GLARUS WI LAND SURVEYOR

OTIE Orenco 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

4

FILE NAME : P:\2012026_IH 39\CIVIL3D\RW\PLAT\TPP SUBMITTED FOR RECORDING\10071023-040111_RP.DWG
APPRAISAL PLAT DATE : 1/5/2015
PLOT DATE : 1/5/2015 2:16 PM
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 - 4.12

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

3/4 REBAR FOUND
Y = 455516.767
X = 881032.340

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5119648
12/29/2014 10:44 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-23-4.12
AMENDMENT NO:

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

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

TOWN NE-SE

OLSON DRIVE VACATED PER DOC.4804783

12' ACCESS EASEMENT AMERICAN TRANSMISSION COMPANY LLC DOC.4964315

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

S0°11'11"W, 84.30' MON TO TRAV. PNT.

TLE - DRIVEWAY 0.089 AC.

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

GEODETIC MON. DG4948

S0°11'11"W, 676.68' TRAV. PNT. TO RL

S0°11'11"W, 408.85' RL TO RL

REF. LINE/ SEC. LINE INT. STA.51+96.35'BN'

POT STA.50+87.44'BN'/ 2153+5853
Y = 454293.039
X = 883682.256

B-13-145
B-13-718 REQ'D.

SEE TPP 1007-10-23-4.13
STA. 2167+41.46

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

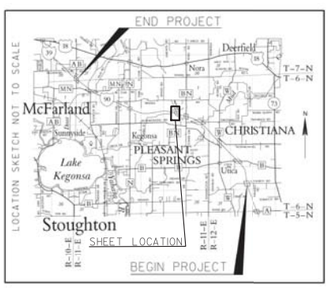
N89°52'19"W, 9.24' TRAV. PNT. TO TAN.

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



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 BY : OTIE PLOT DATE : 12/22/2014 12:03 PM 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'

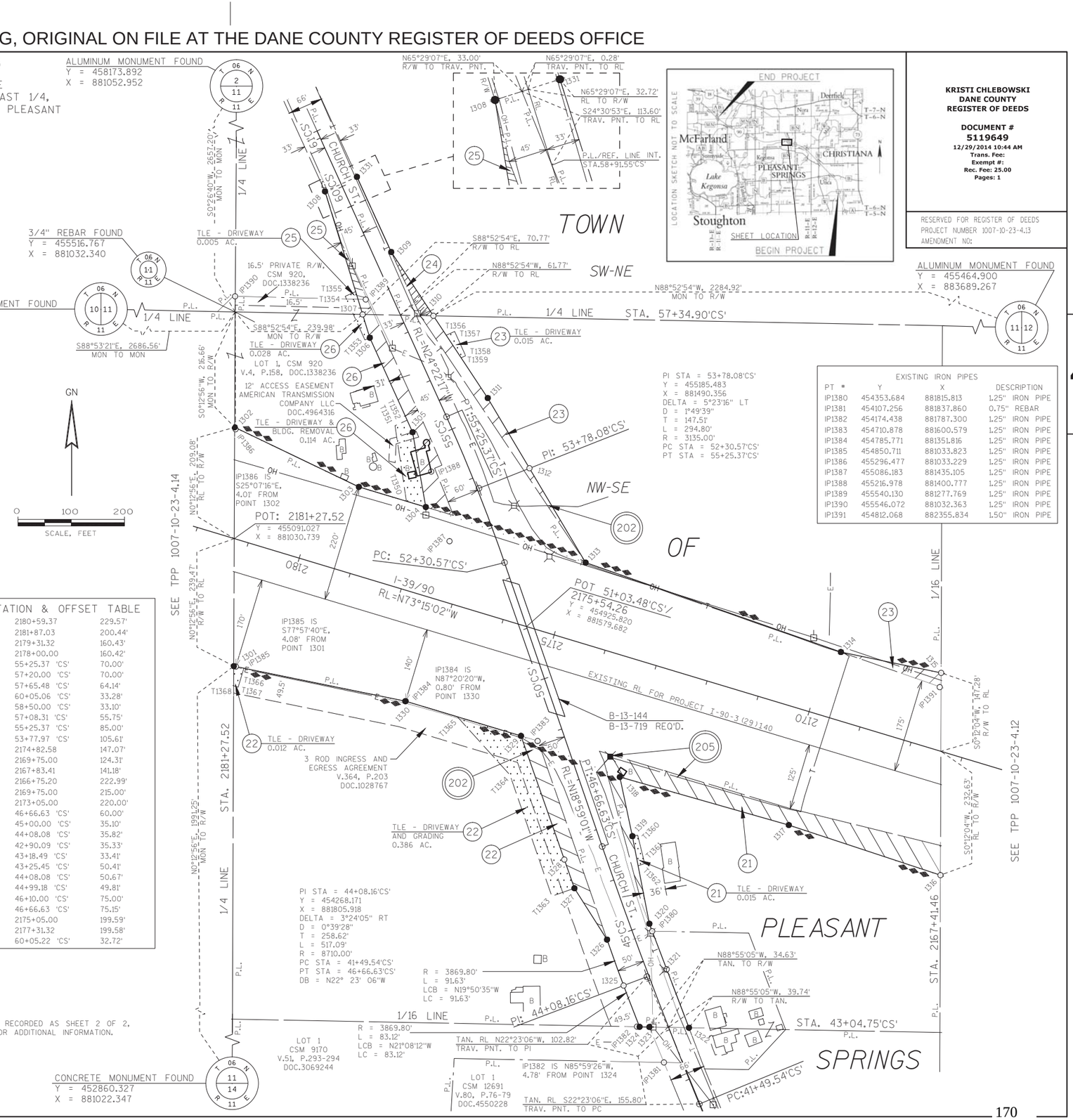
I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.13 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.



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

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.

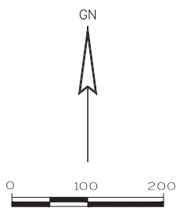
NOTES:

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

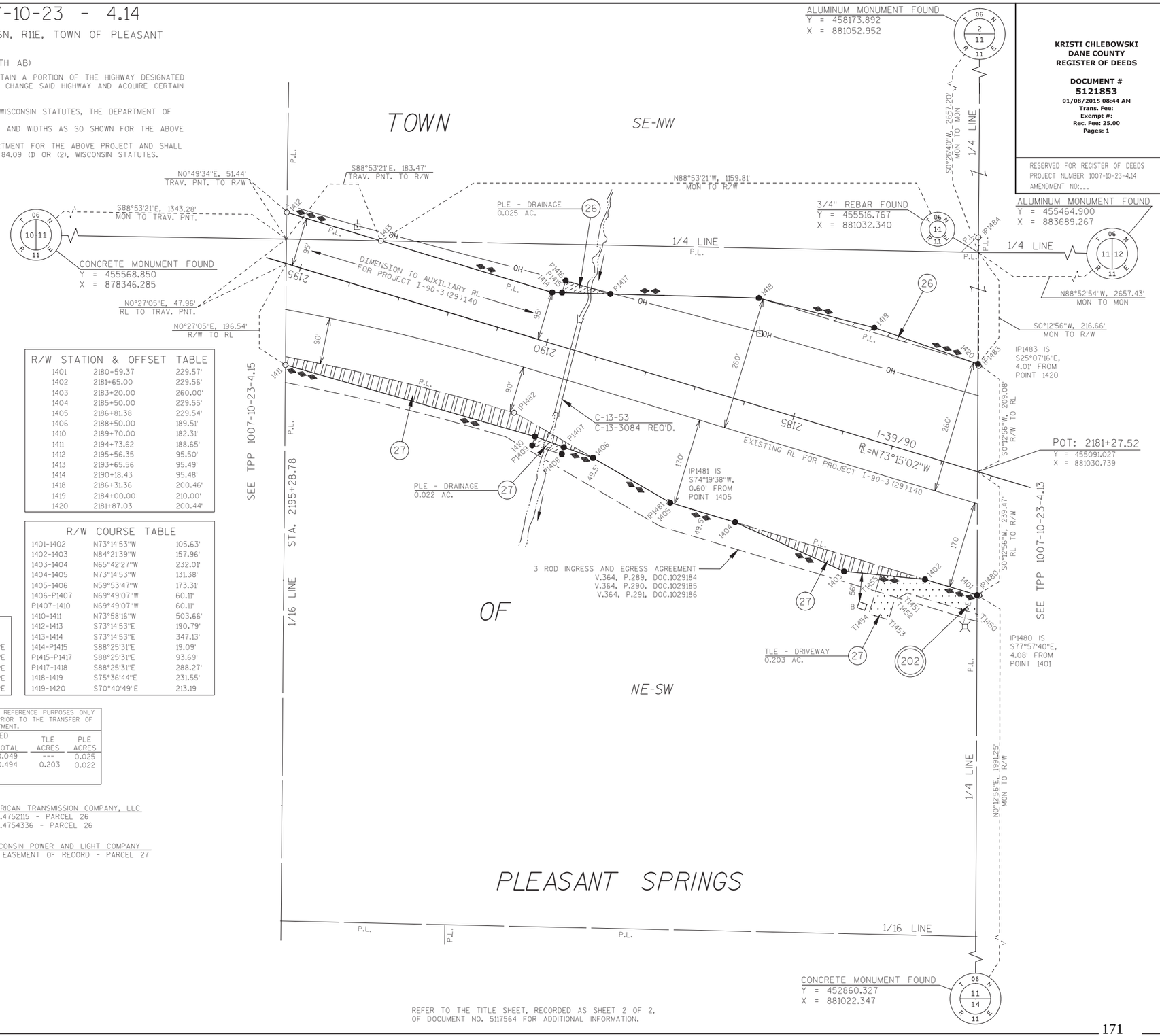
I, JAMES M. BAKER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-23-4.14 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



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

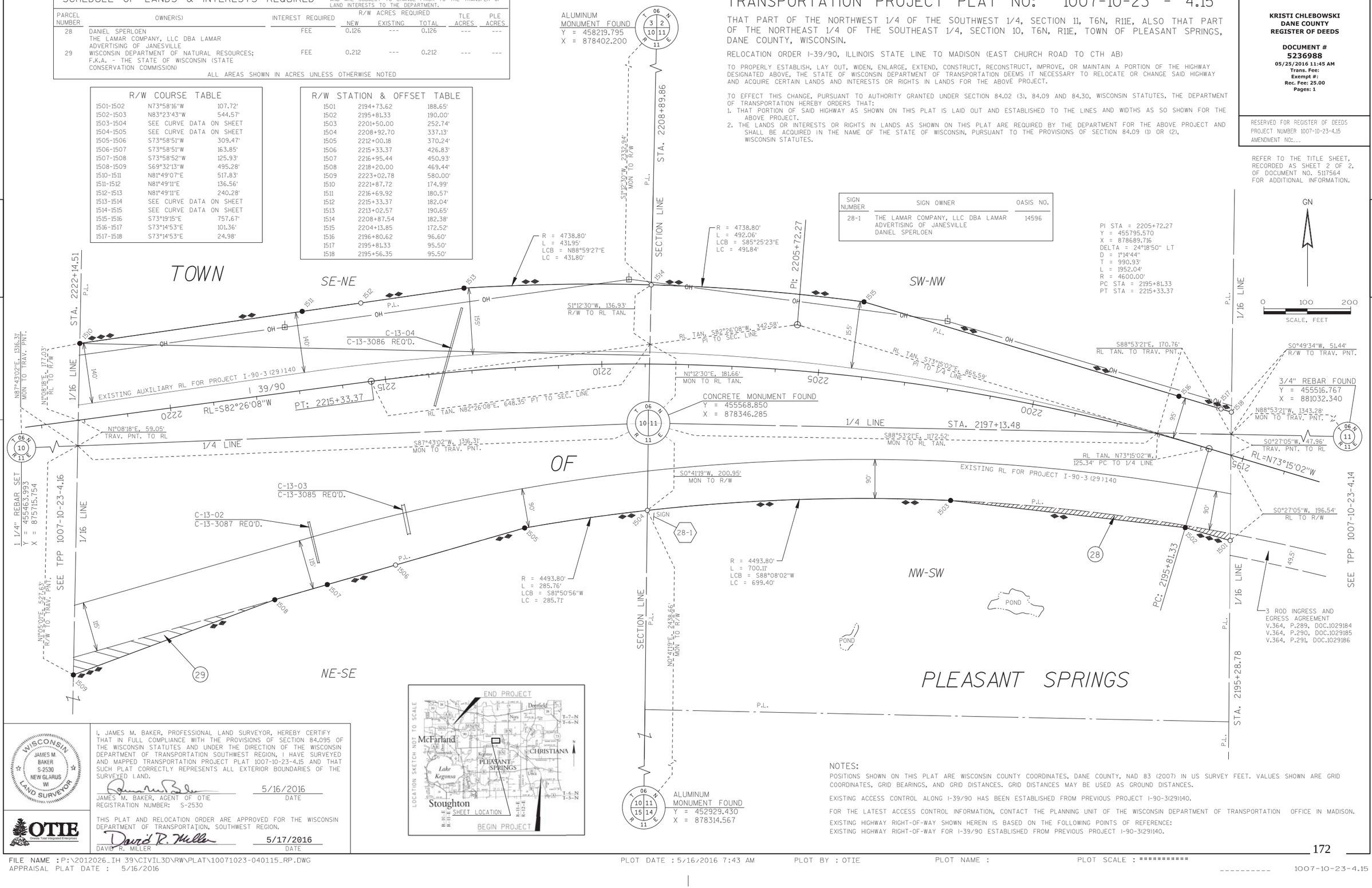
R/W COURSE TABLE

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



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

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.

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 : ''''''''''''

1007-10-23-4.15

BEGIN PROJECT 1007-10-88
STA 994+73.23'TSB'
Y=439,566.368
X=897,713.844

2 LANE CROSS-OVER WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-11-75

SB LANES WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-79

NB LANES WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-11-75

PROPERTY LINE (TYP)

ALLIANT ENERGY

992'TSB'

995'TSB' IH 39 SB

1000'TSB'

IH 39 NB

CONC

RIPRAP

#MP1947NE#

#MP1945

#MP194

¼ LINE (TYP)

1/16 LINE (TYP)

3 LANE TO 2 LANE TRANSITION WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-11-75

550'XNB'

2 LANE TO 3 LANE TRANSITION WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-79

EXISTING RW (TYP)

PROPOSED RW (TYP)

SLOPE INTERCEPT (TYP)

1005'TSB'

#TP1958SB

#BH-93

1010'TSB'

1015

MATCH LINE 1015+00'TSB'

555'XNB'

560'XNB'

18"CPCS

3" POST/12" LINER

STA 1003+02'TSB', RT
RECONSTRUCT EXISTING INLET

2 LANE TEMPORARY CROSS-OVER WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-79

STA 1010+01 'TSB', RT
REMOVE EXISTING INLET

5

5

970
960
950
940
930
920
910
900

EXISTING GROUND AT ℄ 'TSB'

STA 1010+01 'TSB'
EXTEND EXISTING 18" CPRC
1-18" X 12' CPRC REQ'D LT
1-18" X 2' CPRC REQ'D RT
2-18" AECPRC REQ'D LT/RT

SB EXISTING PROFILE ELEV AT REF LINE

931.86 931.58 931.22 930.81 930.37 929.91 929.57 929.42 929.63 926.74 928.51 930.28 932.60 934.78 937.08 939.72 942.35 944.72 947.05 949.48 951.97 954.11 955.93 958.32 960.82 963.33 965.85 968.32 970.82 973.37 975.92

985'TSB' 990'TSB' 995'TSB' 1000'TSB' 1005'TSB' 1010'TSB' 1015'TSB'

PROFILE

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 05 PLAN & PROFILE

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET E

FILE NAME : 050100_PP (P&P TSB).DWG PLOT DATE : 3/2/2017 11:36 AM PLOT BY : SEH INC LAYOUT NAME : 050101_pp PLOT SCALE : 1.0 IN = 200.0 FT

MATCH LINE 1015+00'TSB'

565'XNB'

570'XNB'

575'XNB'

580'XNB'

585'XNB'

590'XNB'

1015'TSB'

1020'TSB'

1025'TSB'

1030'TSB'

1035'TSB'

1040'TSB'

MATCH LINE 1045+00'TSB'

IH 39 SB

IH 39 NB

EXISTING RW (TYP)

PROPOSED RW (TYP)

STA 1039+00 TO 1043+00 'TSB'
CLEARING & GRUBBING REQ'D

SLOPE INTERCEPT (TYP)

DELINEATED
WETLANDS
(TYP)

UTICA DR

IH 39 SB
B-13-164

IH 39 NB
B-13-165

TLE

CTH B

FRONTIER COM

ALLIANT ENERGY

SECTION
LINE (TYP)

¼ LINE (TYP)

PROPERTY LINE (TYP)

SEPTIC

TP19865B

TP19865B-A

TP19870SB

TP19870SB-A

TP19876SB

BH-94

BH-95

BH-96

B1988NB

B13-2

B13-2A

B12

18"CPCS/12"LINER

42"CPCS/30"LINER

48"CPCS/36"LINER

18"x24" CPCS

15"CPCS

24"x42" CPCS

WIDEN EXISTING
STRUCTURE B-13-164
STA 1042+65.29'TSB'
SPAN 3
TYPE CONC. STEEL GIRDER

EXISTING GROUND
AT ℄ 'TSB'

SB EXISTING PROFILE
ELEV AT REF LINE

STA 1036+89 'TSB'
EXTEND EXISTING 12" CPCS
1-12"X4' CPRC REQ'D RT
1-12" AECPRC REQ'D RT

STA 1043+90 'TSB'
EXTEND EXISTING 36" CPCS
1-36"X8' CPRC REQ'D LT
1-36" AECPRC REQ'D LT

STA 1044+41 'TSB'
EXTEND EXISTING 12" CPCS
1-12"X32' CPRC REQ'D LT
1-12" AECPRC REQ'D LT

1010
1000
990
980
970
960
950
940

975.92 978.43 980.72 982.72 984.33 985.63 986.49 987.08 987.36 987.20 986.73 986.25 985.74 984.95 984.06 982.96 981.90 980.99 980.32 979.82 979.55 979.35 979.39 979.56 979.91 980.37 980.89 975.04 965.84 982.63 983.44

5

5

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 05 PLAN & PROFILE

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET	E

FILE NAME : 050100_PP (P&P TSB).DWG PLOT DATE : 3/3/2017 12:06 PM PLOT BY : SEH INC LAYOUT NAME : 050102_pp PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 44

STA 1044+00 TO 1047+00 'TSB'
CLEARING & GRUBBING REQ'D

STA 1061+00 TO 1064+60 'TSB'
CLEARING & GRUBBING REQ'D

CTH B

N

PLE

SLOPE INTERCEPT (TYP)

EXISTING RW (TYP)

PROPOSED RW (TYP)

MATCH LINE 1045+00'TSB'

MATCH LINE 1075+00'TSB'

1045'TSB' 1050'TSB' 1055'TSB' 1060'TSB' 1065'TSB' 1070'TSB' 1075'TSB'

600'XNB' 605'XNB' 610'XNB' 615'XNB' 620'XNB'

IH 39 SB

IH 39 NB

#TP2005SB

#BH-36

18" CPRC

#EB-17

#EB-18

#TP2020SB

#BH-91

36" CPCS

48" CPCS

#BH-32

48" CPCS/36" CPCS INNER

#BH-33

1/16 LINE (TYP)

1/4 LINE (TYP)

PROPERTY LINE (TYP)

SECTION LINE (TYP)

1/16 LINE (TYP)

5

5

EXISTING GROUND AT ℄ 'TSB'

STA 1056+89 'TSB'
EXTEND EXISTING 18" CPRC
1-18"X20' CPRC REQ'D LT
1-18" AECPRC REQ'D LT

STA 1059+91 'TSB'
EXTEND EXISTING 36" CPCS
1-36"X22' CPRC REQ'D LT
1-36" AECPRC REQ'D LT

STA 1071+55 'TSB'
EXTEND EXISTING 18" CPRC
1-18"X22' CPRC REQ'D LT
1-18" AECPRC REQ'D LT

STA 1070+56 'TSB'
EXTEND EXISTING 48" CPCS
1-48"X22' CPRC REQ'D LT
1-48" AECPRC REQ'D LT

SB EXISTING PROFILE ELEV AT REF LINE

1010 1000 990 980 970 960 950 940

983.44 984.21 984.88 985.60 986.34 987.02 987.62 988.18 988.72 989.21 989.64 989.99 990.26 990.47 990.62 990.75 990.89 991.03 991.19 991.38 991.56 991.75 991.95 992.17 992.36 992.57 992.75 992.95 993.09 993.17 993.22

1045'TSB' 1050'TSB' 1055'TSB' 1060'TSB' 1065'TSB' 1070'TSB' 1075'TSB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET	E

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I088\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (P&P TSB).DWG PLOT DATE : 3/2/2017 11:37 AM PLOT BY : SEH INC LAYOUT NAME : 050103_pp PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44

STA 1086+50 TO 1101+50 'TSB'
CLEARING & GRUBBING REQ'D

MATCH LINE 1075+00'TSB'

MATCH LINE 1105+00'TSB'

SLOPE INTERCEPT (TYP)

PROPOSED RW (TYP)

EXISTING RW (TYP)

SECTION LINE (TYP)

FRONTIER COM

ALLIANT ENERGY

CTH W

IH 39 SB
B-13-148

IH 39 NB
B-13-149

KOSHKONONG RD

FRONTIER COM

1/16 LINE (TYP)

PROPERTY LINE (TYP)

#BH-38

#BH-34

#TP2030NB

#HA2052NB

#HA2053SB

#HA2054SB

#HA205TSB

18"CPRC

18"CPCS

24"CPRC

TSB' 1080'TSB' 1085'TSB' 1090'TSB' 1095'TSB' 1100'TSB' 1105

5'XNB' 630'XNB' 635'XNB' 640'XNB' 645'XNB' 650'XNB' 65

IH 39 SB

IH 39 NB

5

5

1000 990 980 970 960 950 940 930

ESTIMATED ROCK
SURFACE AT ℄

EXISTING GROUND
AT ℄ 'TSB'

SB EXISTING PROFILE
ELEV AT REF LINE

WIDEN EXISTING
STRUCTURE B-13-148
STA 1103+59.98'TSB'
SPAN 3
TYPE CONC. STEEL GIRDER

993.22 993.28 993.43 993.37 993.06 992.53 991.76 990.79 989.78 988.34 986.85 985.34 983.85 982.31 980.71 979.13 977.55 975.98 974.41 972.86 971.29 969.72 968.16 966.61 965.06 963.53 962.00 960.47 949.42 941.83 955.58

1075'TSB' 1080'TSB' 1085'TSB' 1090'TSB' 1095'TSB' 1100'TSB' 1105'TSB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET	E

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (P&P TSB).DWG PLOT DATE : 3/3/2017 12:07 PM PLOT BY : SEH INC LAYOUT NAME : 050104_pp PLOT SCALE : 1.0 IN = 200.0 FT

STA 1103+60 TO 1108+10 'TSB'
CLEARING & GRUBBING REQ'D

MATCH LINE 1105+00'TSB'

MATCH LINE 1135+00'TSB'

MINOR LOT LINE (TYP)

ALLIANT ENERGY

ATC

PROPOSED RW (TYP)

EXISTING RW (TYP)

SLOPE INTERCEPT (TYP)

#B2055SB #B2056SB #HA2055SB #A2056SB #EB-20 #B2057SB #B2058SB #HA2059SB #BH-99 #BK-00 #BT15-1 #HA2054NB #HA2060WB #HA2061WB #BH-35

1105'TSB' 1110'TSB' 1115'TSB' 1120'TSB' 1125'TSB' 1130'TSB' 1135'TSB'

IH 39 SB

IH 39 NB

660'XNB' 665'XNB' 670'XNB' 675'XNB' 680'XNB'

36"CPCS 36"CPCS 18"CPRC 18"CPRC

2H:1V

2H:1V

2H:1V

STA 1147+00 TO 1151+00 'TSB'
CLEARING & GRUBBING REQ'D

STA 1163+00 TO 1171+00 'TSB'
CLEARING & GRUBBING REQ'D

N

EXISTING RW (TYP)
TLE
SLOPE INTERCEPT (TYP)
DELINEATED WETLANDS (TYP)
PROPOSED RW (TYP)
ALLIANT ENERGY
PLE

MATCH LINE 1135+00'TSB'
MATCH LINE 1165+00'TSB'

1135'TSB' 1140'TSB' 1145'TSB' 1150'TSB' 1155'TSB' 1160'TSB' 1165'

IH 39 SB
IH 39 NB

690'XNB' 695'XNB' 700'XNB' 705'XNB' 710'XNB' 715

BH-36 BH-101 TP2092SB TP2102SB BH-102 BH-37 HA2107SB HA2110SB HA2109NB HA2112NB B2112NB B2113NB-2 EB-22 EB-23 HA1355

18"CPRC 18"CPRC 18"CPRC 18"CPRC 48"CPCS 48"CPCS 8"CPCS

ATC
ATC
TOWN LINE
UTILITY EASEMENT (TYP)
CAUTION ATC (345kV)
1/16 LINE (TYP)
DRC

5
5

930 920 910 900 890 880 870 860

STA 1136+52 'TSB'
EXTEND EXISTING 18" CPRC
1-18"X20' CPRC REQ'D LT
1-18" AECPRC REQ'D LT

EXISTING GROUND AT ℄ 'TSB'

STA 1145+53 'TSB'
EXTEND EXISTING 48" CPCS
1-48"X28' CPRC REQ'D LT
1-48" AECPRC REQ'D LT

SB EXISTING PROFILE ELEV AT REF LINE

STA 1163+28 'TSB' + 1163+34 'TSB'
EXTEND EXISTING TWIN 48" CPCS
1-48"X30' CPRC REQ'D LT
1-48" AECPRC REQ'D LT
1-48"X28' CPRC REQ'D LT
1-48" AECPRC REQ'D LT

921.08 920.18 919.30 918.41 917.52 916.63 915.77 914.98 914.23 913.45 912.82 912.22 911.67 911.16 910.71 910.31 909.93 909.50 909.03 908.53 908.00 907.49 907.02 906.60 906.22 905.83 905.42 904.99 904.54 904.08 903.59

1135'TSB' 1140'TSB' 1145'TSB' 1150'TSB' 1155'TSB' 1160'TSB' 1165'TSB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET	E

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\1007I001\SHEETSPLAN\1007I088\SEC 05 PLAN & PROFILE
FILE NAME : 050100_PP (P&P TSB).DWG
PLOT DATE : 3/2/2017 11:38 AM
PLOT BY : SEH INC
LAYOUT NAME : 050106_pp
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 44

STA 1182+50 TO 1183+50 'TSB'
CLEARING & GRUBBING REQ'D

STA 1190+00 TO 1191+00 'TSB'
CLEARING & GRUBBING REQ'D

ALLIANT ENERGY

AT&T

DRO TNING RD

CHARTER COM

IH 39 SB
B-13-146

PLE

DELINEATED
WETLANDS
(TYP)

SLOPE INTERCEPT (TYP)

MATCH LINE 1165+00'TSB'

MATCH LINE 1195+00'TSB'

1170'TSB'

1175'TSB'

1180'TSB'

1185'TSB'

1190'TSB'

1195'

IH 39 SB

IH 39 NB

720'XNB'

725'XNB'

730'XNB'

735'XNB'

740'XNB'

745'XNB'

18" CPRC

18" CPCS

15" CPCS

48" CPCS

C-13-55
8'X8'

ALLIANT ENERGY

IH 39 NB
B-13-147

¼ LINE (TYP)

PROPOSED RW (TYP)

UTILITY EASEMENT (TYP)

ATC

CAUTION
ATC
(345kV)

½6 LINE (TYP)

WIDEN EXISTING
STRUCTURE B-13-146
STA 1170+81.85'TSB'
SPAN 3
TYPE CONC. STEEL GIRDER

ESTIMATED ROCK
SURFACE AT ℄

EXISTING GROUND
AT ℄ 'TSB'

STA 1187+43 'TSB'
EXTEND EXISTING 18" CPRC
1-18"X50' CPRC REQ'D LT
2-18" AECPRC REQ'D

STA 1175+36'TSB'
EXISTING BOX CULVERT
C-13-55
8'X8'

SB EXISTING PROFILE
ELEV AT REF LINE

930 920 910 900 890 880 870 860

903.59 903.09 902.58 902.06 901.46 881.08 899.35 898.59 897.80 896.98 896.43 896.21 896.30 896.69 897.48 898.52 899.95 901.69 903.70 906.05 908.54 911.05 913.56 916.16 918.55 920.74 922.63 924.17 925.45 926.60

1165'TSB' 1170'TSB' 1175'TSB' 1180'TSB' 1185'TSB' 1190'TSB' 1195'TSB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET 179	E

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (P&P TSB).DWG PLOT DATE : 3/3/2017 12:08 PM PLOT BY : SEH INC LAYOUT NAME : 050107_pp PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44

STA 1210+00 TO 1219+00 'TSB'
CLEARING & GRUBBING REQ'D

PROPERTY LINE (TYP)

STA 1192+00 TO 1203+50 'TSB'
CLEARING & GRUBBING REQ'D

STA 1222+35 TO 1224+35 'TSB'
CLEARING & GRUBBING REQ'D

CTH BN

ALLIANT ENERGY

SLOPE INTERCEPT (TYP)

EXISTING RW (TYP)

PROPOSED RW (TYP)

AT&T

CHURCH ST

EXISTING RW (TYP)

MATCH LINE 1195+00'TSB'

MATCH LINE 1225+00'TSB'

IH 39 SB

IH 39 NB

1195'TSB' 1200'TSB' 1205'TSB' 1210'TSB' 1215'TSB' 1220'TSB' 1225'TSB'

750'XNB' 755'XNB' 760'XNB' 765'XNB' 770'XNB' 775'XNB'

30"CPCS/18"CPRC/18"LINER

36"CPCS

18"CPRC

48"CPCS

ATC

S-13-471

IH 39
B-13-718

ALLIANT ENERGY

CAUTION
ATC
(345kV)

1/16 LINE (TYP)

UTILITY EASEMENT (TYP)

ESTIMATED ROCK
SURFACE AT ℄

STA 1203+61 'TSB'
EXTEND EXISTING 30" CPCS
1-30"X22' CPRC REQ'D LT
1-30" AECPRC REQ'D LT

EXISTING GROUND
AT ℄ 'TSB'

STA 1208+42 'TSB'
EXTEND EXISTING 36" CPCS
1-36"X10' CPRC REQ'D LT
1-36" AECPRC REQ'D LT

STA 1218+35 'TSB'
EXTEND EXISTING 48" CPCS
1-48"X22' CPRC REQ'D LT
1-48" AECPRC REQ'D LT

SB EXISTING PROFILE
ELEV AT REF LINE

940 930 920 910 900 890 880 870

926.60 927.52 928.04 928.24 927.98 927.44 926.56 925.54 924.52 923.47 922.48 921.47 920.46 919.49 918.51 917.49 916.48 915.46 914.45 913.44 912.43 911.43 910.42 909.41 908.40 907.39 906.35 905.35 904.37 903.38 902.37

1195'TSB' 1200'TSB' 1205'TSB' 1210'TSB' 1215'TSB' 1220'TSB' 1225'TSB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET	E

FILE NAME : 050100_PP (P&P TSB).DWG PLOT DATE : 3/6/2017 7:10 AM PLOT BY : SEH INC LAYOUT NAME : 050108_pp PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 44
FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 05 PLAN & PROFILE

STA 1233+20 TO 1236+20 'TSB'
CLEARING & GRUBBING REQ'D

N

1/16 LINE (TYP)

DELINEATED WETLANDS (TYP)

ALLIANT ENERGY

IH 39
B-13-719

ALLIANT ENERGY

PROPOSED RW (TYP)

SLOPE INTERCEPT (TYP)

PLE

MATCH LINE 1225+00'TSB'

1230'TSB'

1235'TSB'

1240'TSB'

1245'TSB'

1250'TSB'

1255'TSB'

IH 39 SB

IH 39 NB

18"CPRC

7'-0"(W)X8'-0"(H)"BOX" C-13-P3

30"CPRC

30"CPOS

780'XNB'

785'XNB'

790'XNB'

795'XNB'

800'XNB'

805'XNB'

#BH-107

#BH-108

#BH-42

#B2188SB

#B2189SB

#B2190SB

#B2191SB

#B2192SB

#MP2193SB

#MP2194SB

#MP2195SB

#MP2197SB

#HA2198M

#HA2199M

#HA2200M

#HA2201M

#HA2202M

#MB-1

#MB-2

#S471-1

#S471-2

#SI-2

#SI-3

CHURCH ST

AT&T

ALLIANT ENERGY

ATC

1/4 LINE (TYP)

PLE

EXISTING RW (TYP)

CAUTION
ATC
(345kV)

END PROJECT 1007-10-88
BEGIN PROJECT 1007-10-84
STA 1246+00.00'TSB'

UTILITY EASEMENT (TYP)

5

5

910
900
890
880
870
860
850
840

STA 1225+01 'TSB'
EXTEND EXISTING 30" CPRC
1-30"X24' CPRC REQ'D LT
1-30" AECPRC REQ'D LT

EXISTING GROUND
AT ℄ 'TSB'

STA 1238+93 'TSB'
EXTEND EXISTING 18" CPRC
1-18"X16' CPRC REQ'D LT
1-18" AECPRC REQ'D LT

STA 1240+55'TSB'
PROPOSED BOX CULVERT
C-13-3084 STG 1
1-8'X8' X 39' REQ'D

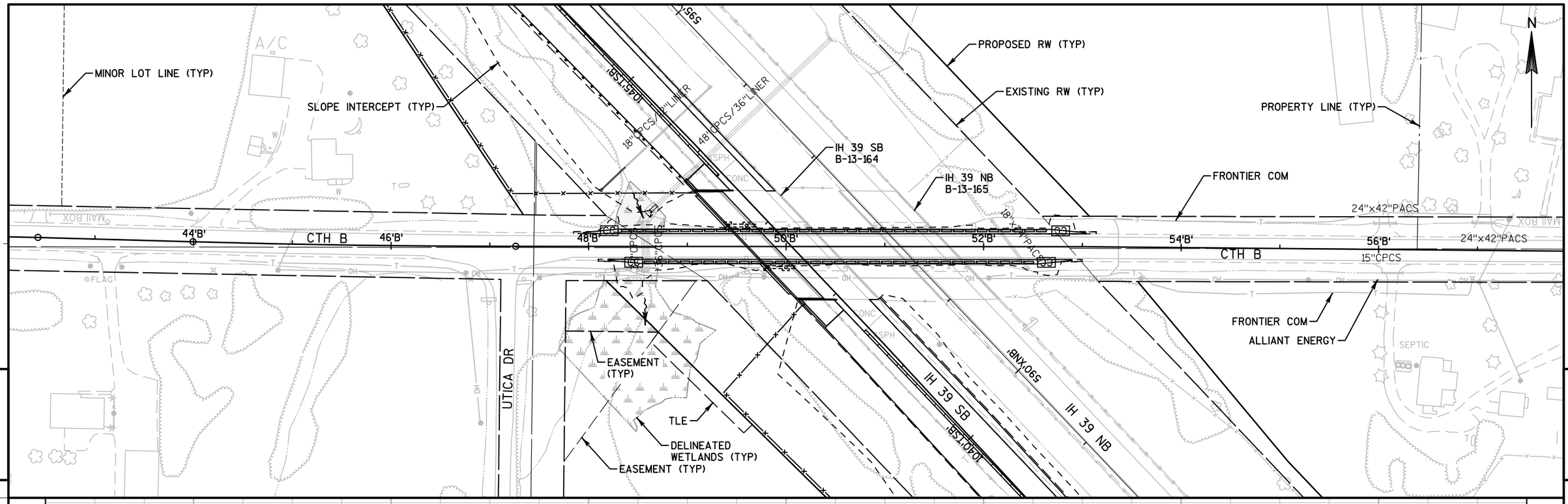
SB EXISTING PROFILE
ELEV AT REF LINE

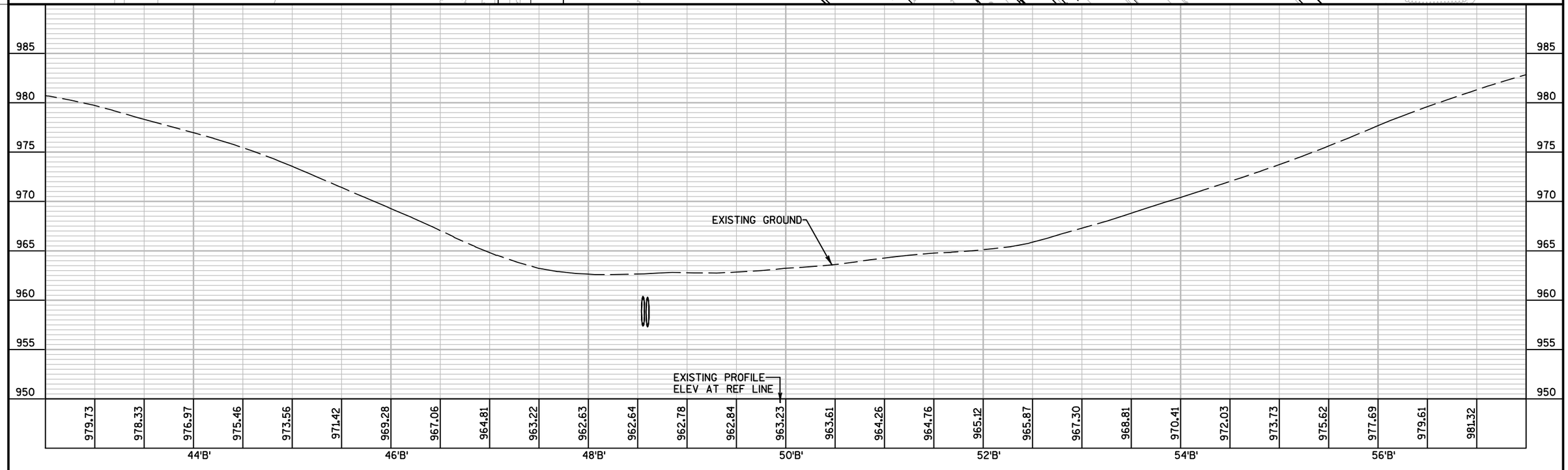
902.37 901.28 900.35 899.42 898.49 897.56 896.63 895.70 894.75 893.78 892.83 891.88 890.91 889.92 888.92 887.80 886.56 885.36 884.51 883.84 883.20 882.67 882.27 882.02 881.81 881.64 881.51 881.34 881.16 880.94 880.73

1225'TSB' 1230'TSB' 1235'TSB' 1240'TSB' 1245'TSB' 1250'TSB' 1255'TSB'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET	E

FILE SAVE PATH: P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 05 PLAN & PROFILE
FILE NAME : 050100_PP (P&P TSB).DWG
PLOT DATE : 3/6/2017 7:11 AM
PLOT BY : SEH INC
LAYOUT NAME : 050109_pp
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 44



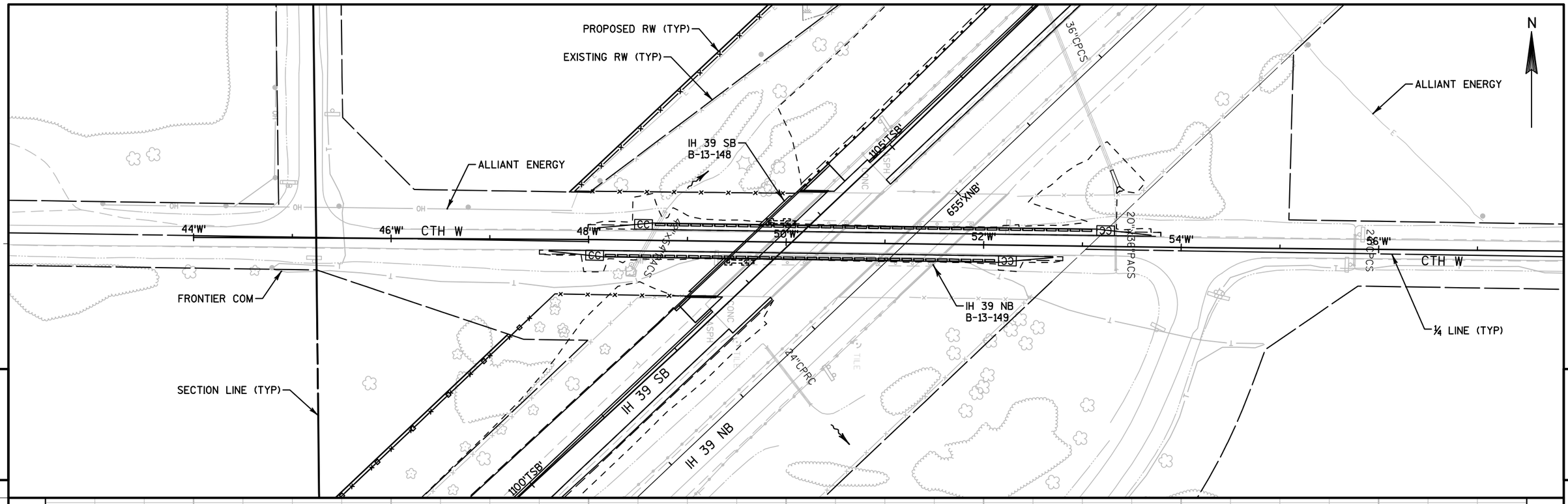


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: CTH B	SHEET E

FILE NAME : 050100_PP (P&P B W DR).DWG PLOT DATE : 1/31/2017 10:29 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\1007101001\SHEETSPLAN\1007108\SEC 05 PLAN & PROFILE

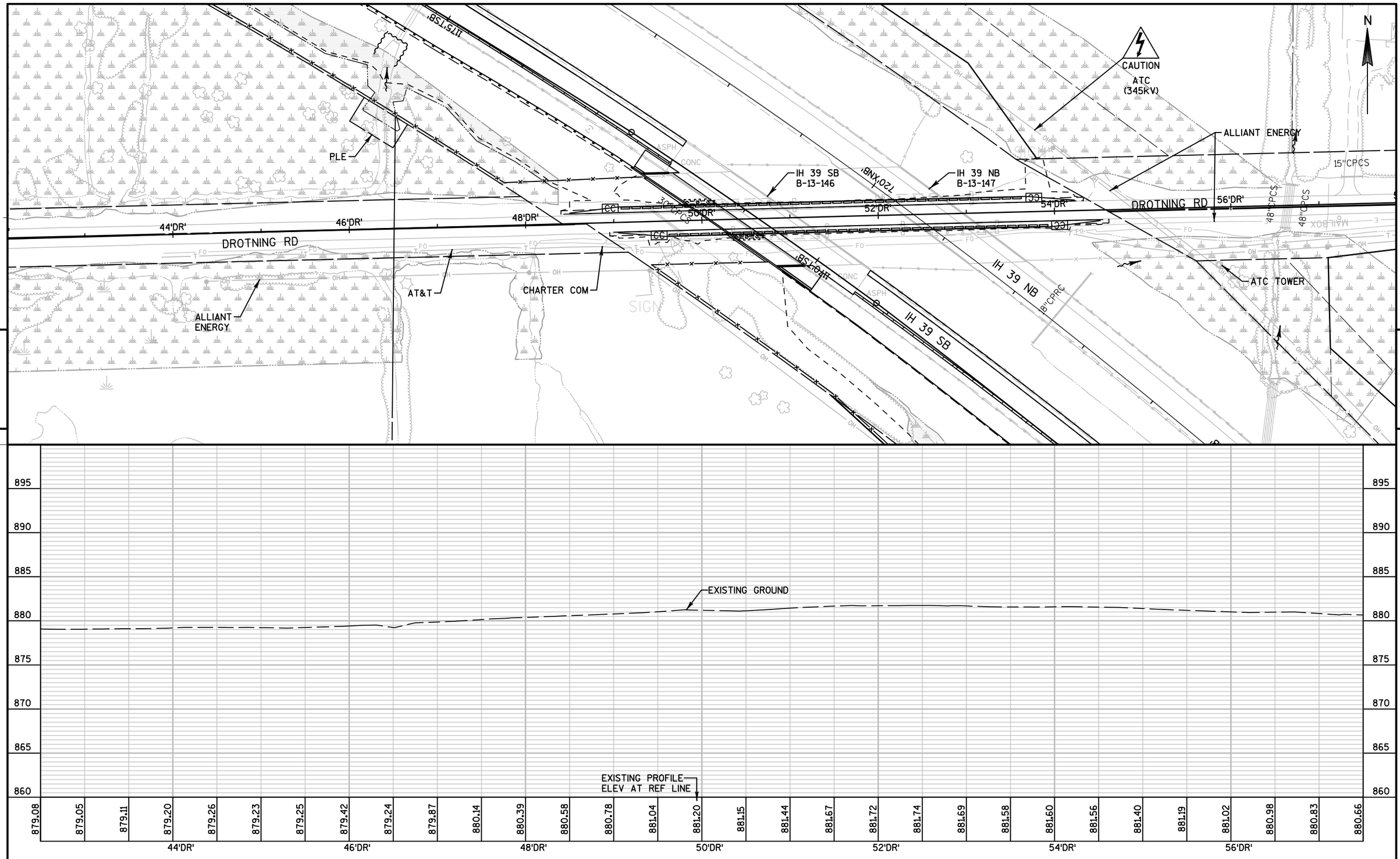


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: CTH W	SHEET E

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\1007100I\SHEETSPLAN\1007I088\SEC 05 PLAN & PROFILE

FILE NAME : 050100_PP (P&P B W DR).DWG PLOT DATE : 1/31/2017 10:30 PM PLOT BY : SEH INC LAYOUT NAME : 02 (W) PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: DROTNING RD	SHEET E

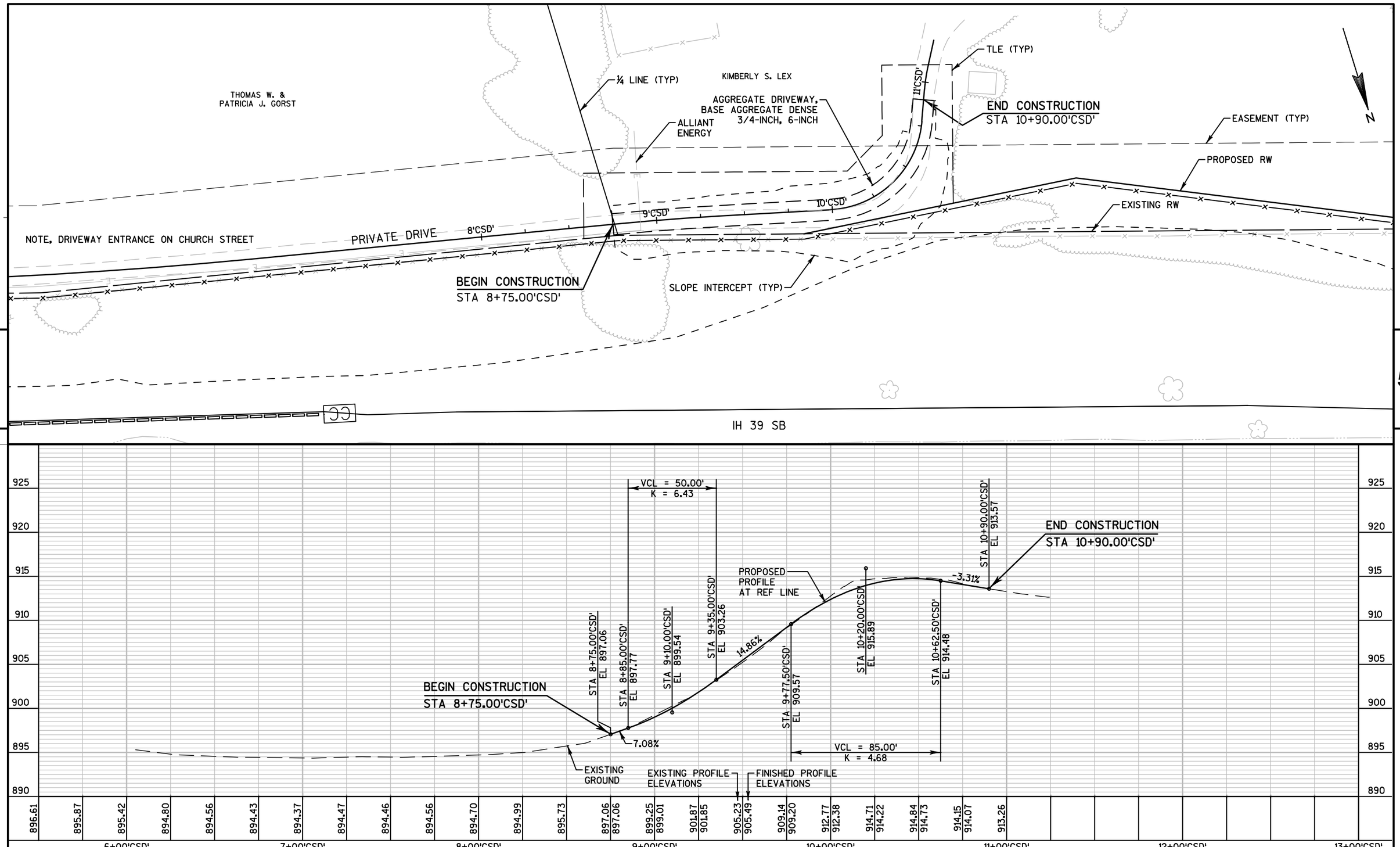
FILE NAME : 050100_PP (P&P B W DR).DWG PLOT DATE : 1/31/2017 10:30 PM PLOT BY : SEH INC LAYOUT NAME : 03 (DR) PLOT SCALE : 1.0 IN = 100.0 FT

WISDOT/CADDS SHEET 44

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANIEL\119189\CIVIL 3D\1007101\SHEETSPLAN\1007108\SEC 05 PLAN & PROFILE

5

5



PROJECT NO: 1007-10-89	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: 'CSD' DRIVEWAY	SHEET 185	E

SB LANES WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-79

¼ LINE (TYP)

ALLIANT ENERGY

2 LANE CROSS-OVER WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-11-75

PROPERTY LINE (TYP)

2 LANE TO 3 LAND TRANSITION WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-79

PROPOSED R/W (TYP)

MATCH EXISTING PAVEMENT EDGE

SLOPE INTERCEPT (TYP)

IH 39 SB

IH 39 NB

1940'X271'

1942'X271'

1944'X271'

1946'X271'

1948'X271'

1950'X271'

1952'X271'

1954'X271'

NB LANES WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-11-75

MATCH EXISTING PAVEMENT EDGE

3 LANE TO 2 LANE TRANSITION WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-11-75

EXISTING R/W (TYP)

2 LANE TEMPORARY CROSS-OVER WORK BY OTHERS CONSTRUCTED UNDER PROJECT ID 1007-10-79

RIPRAP

OH

5

5

VCL = 216.00'
K = 145.52

VCL = 100.00'
K = 195.39

VPC STA 1949+17.00'X271'
VPC EL 942.78

VPI STA 1950+25.00'X271'
VPI EL 944.39

VPT STA 1951+33.00'X271'
VPT EL 947.61

VPC STA 1952+49.85'X271'
VPC EL 951.09

VPI STA 1952+99.85'X271'
VPI EL 952.58

VPT STA 1953+49.85'X271'
VPT EL 953.81

STA 1953+82.65'X271'
EL 954.62

STA 1944+73.92'X271'
EL 936.47

STA 1946+00.00'X271'
EL 938.04

PROPOSED PROFILE AT 'X271' REF LINE

EXISTING PROFILE AT 'X271' REF LINE

1.25%

1.49%

2.98%

2.47%

965 960 955 950 945 940 935 930

'X271' EXISTING PROFILE ELEVATIONS

'X271' FINISHED PROFILE ELEVATIONS

935.41	935.21	935.10	935.10	935.17
935.23	935.38	935.61	935.88	936.25
936.70	936.79	936.74	937.42	936.89
938.04	937.14	938.79	937.50	939.54
937.87	940.28	938.14	941.03	938.42
941.78	940.87	942.52	942.42	943.31
943.82	944.26	945.26	945.37	946.78
946.66	948.36	948.12	949.86	949.61
951.29	951.09	952.60	952.52	953.85
953.82	955.00	956.00	957.02	

1942'X271' 1944'X271' 1946'X271' 1948'X271' 1950'X271' 1952'X271' 1954'X271' 1955'X271'

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 NORTHBOUND 2 LANE CROSSOVER	SHEET E

FILE SAVE PATH: \\SEHMADISON\PROJECTS\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 05 PLAN & PROFILE

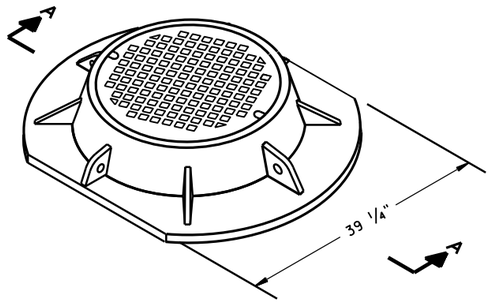
FILE NAME : 050100_PP (TRAF CNTRL P&P X-OVERS).DWG PLOT DATE : 1/31/2017 10:33 PM PLOT BY : SEH LAYOUT NAME : 050101_pp PLOT SCALE : 1 IN = 100.0 FT

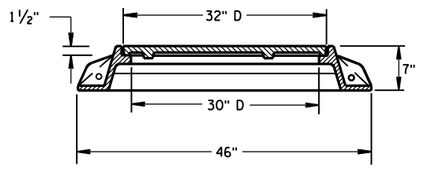
WISDOT/CADDS SHEET 44

Standard Detail Drawing List

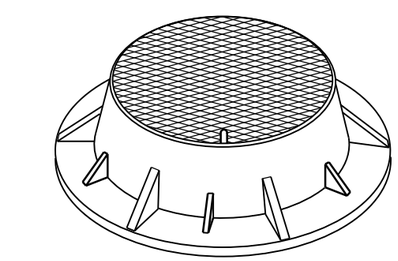
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08D01-19	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D13-01	SLOTTED CORRUGATED METAL PIPE SURFACE DRAINS
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
12A03-10	NAME PLATE (STRUCTURES)
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
13C18-05C	CONCRETE PAVEMENT JOINT TYPES
14B07-14A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14H	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
14B42-04A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-04B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-04C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-02A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02C	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)
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)
15A02-09	DELINEATOR POST, DELINEATOR REFLECTOR AND DELINEATOR BRACKET 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
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-17A	LONGITUDINAL MARKING (MAINLINE)
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

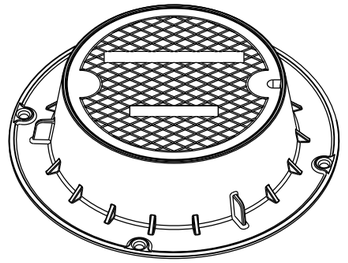
6

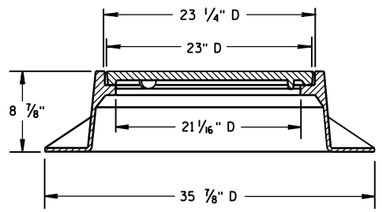


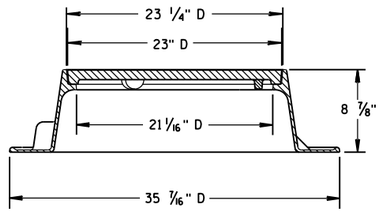


SECTION A-A
TYPE "K"









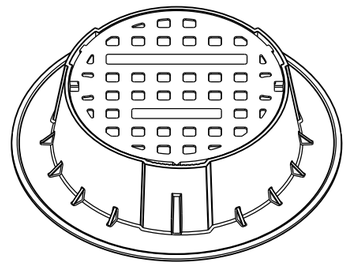
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

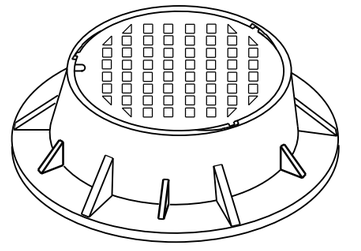
GENERAL NOTES

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.

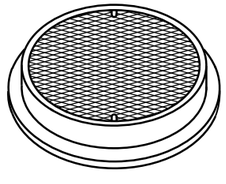
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

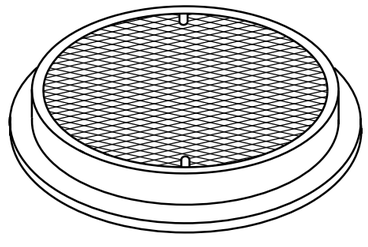
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

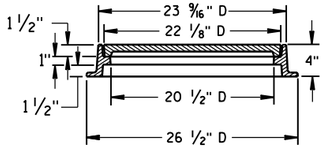




TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE







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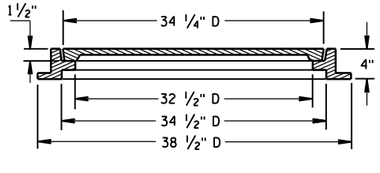

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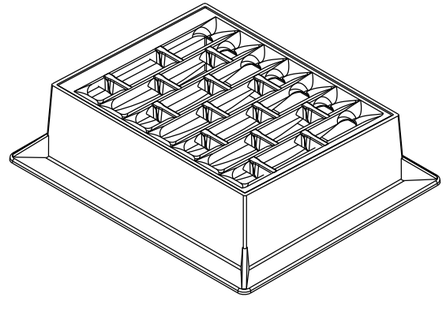
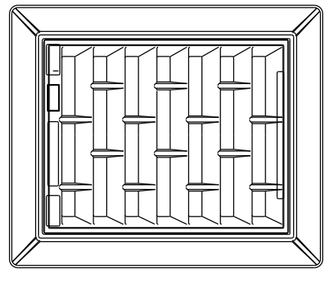
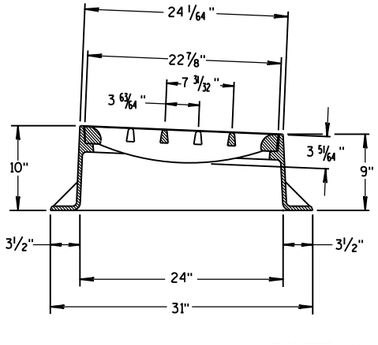
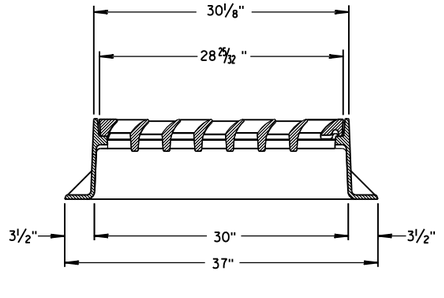








INLET COVER TYPE "BW"

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

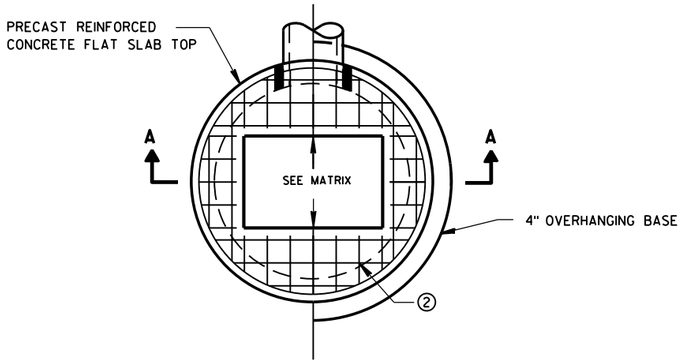
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

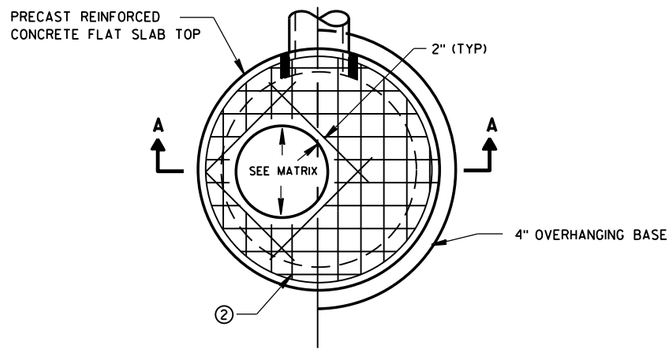
S.D.D. 8 A 5-19d

6

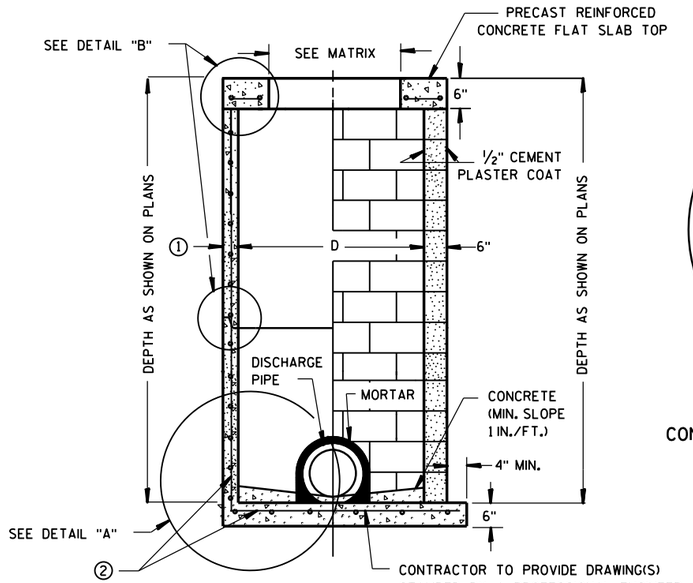
S.D.D. 8 A 5-19d



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

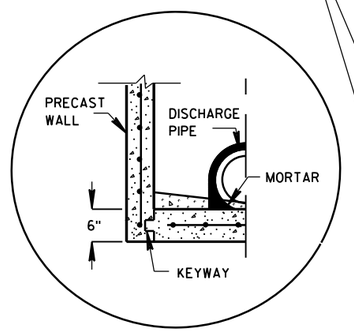


SECTION A-A

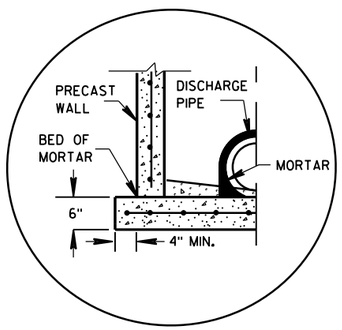
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

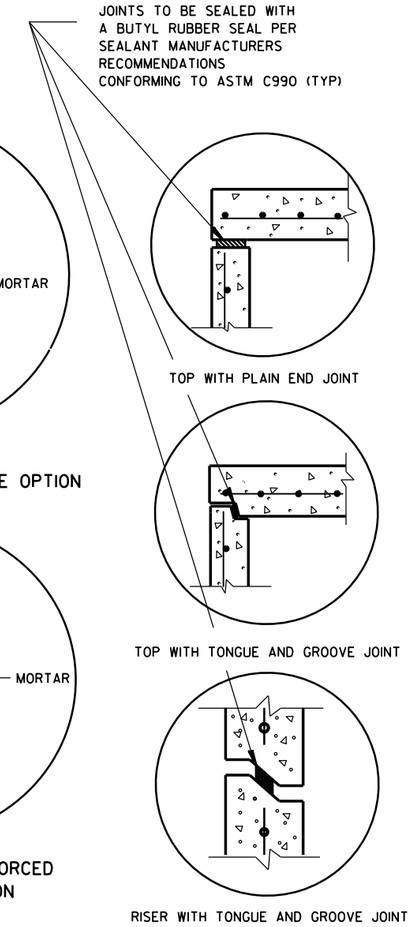


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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.

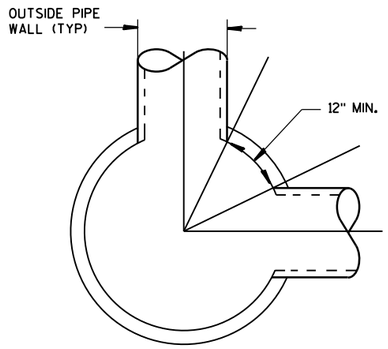
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

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
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept.. 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

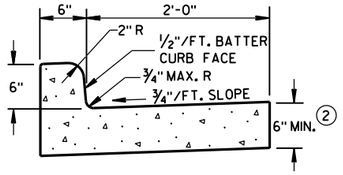
6

S.D.D. 8 C 6-2

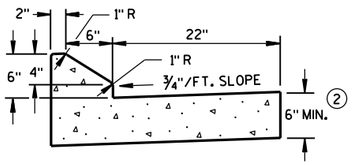
6

S.D.D. 8 C 6-2

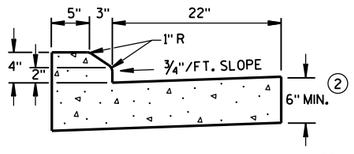
INLETS 3-FT AND 4-FT DIAMETER



TYPES A & D ①

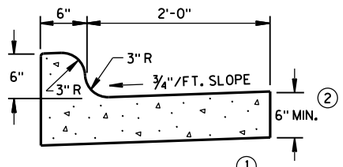


6" SLOPED CURB TYPES G & J ①

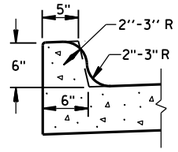


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

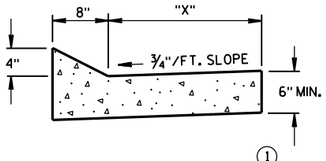


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

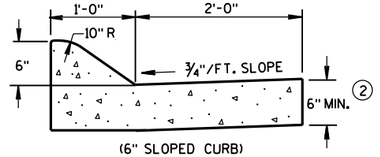
CONCRETE CURB & GUTTER 30"



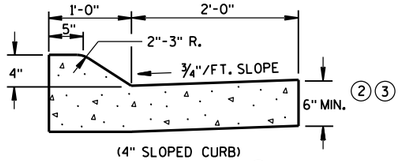
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

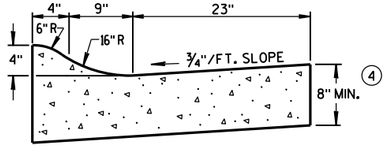


(6" SLOPED CURB)



(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.

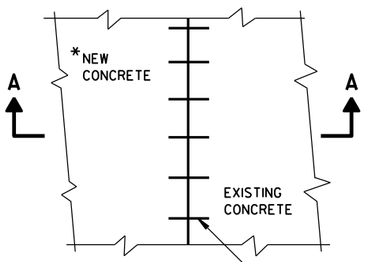
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

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.

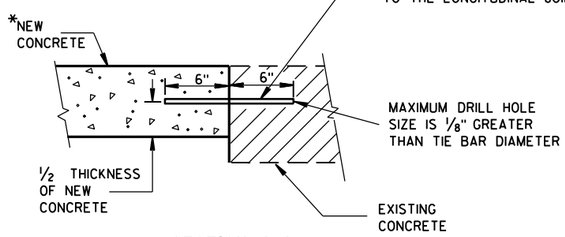
⑤ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

⑥ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



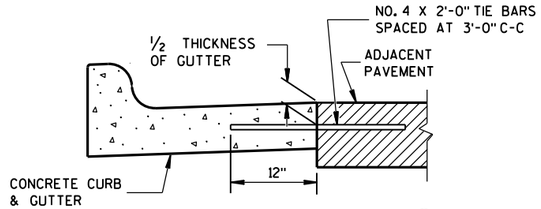
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

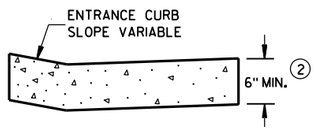


SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT

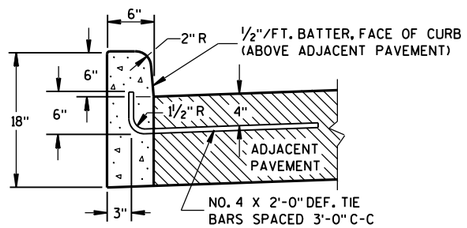


TYPICAL TIE BAR LOCATION ①

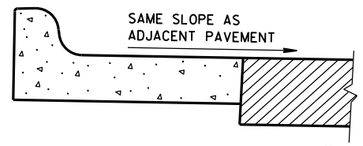


DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)

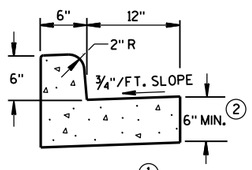


① TYPES A & D



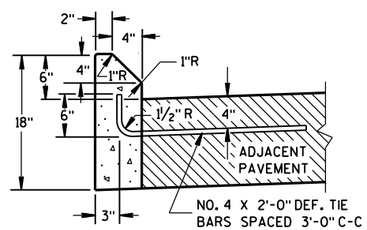
⑥ REVERSE SLOPE GUTTER

(TYPICAL FOR ALL CURB & GUTTER TYPES)



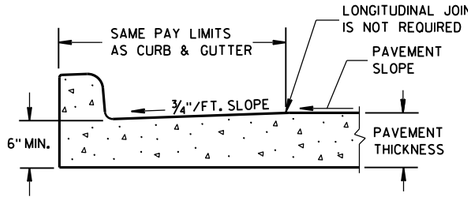
① TYPES A & D

CONCRETE CURB & GUTTER 18"

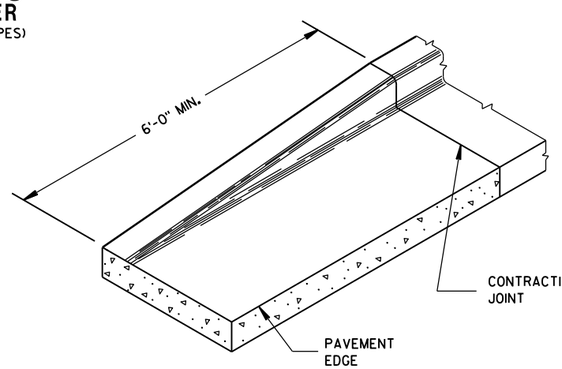


① TYPES G & J

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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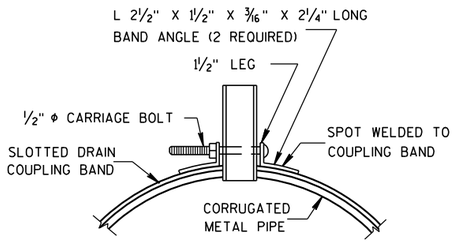
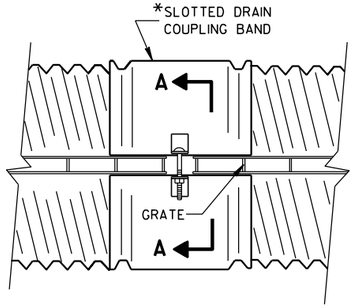
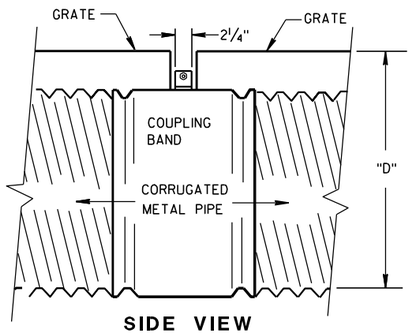
S.D.D. 8 D 1-19



SECTION A-A



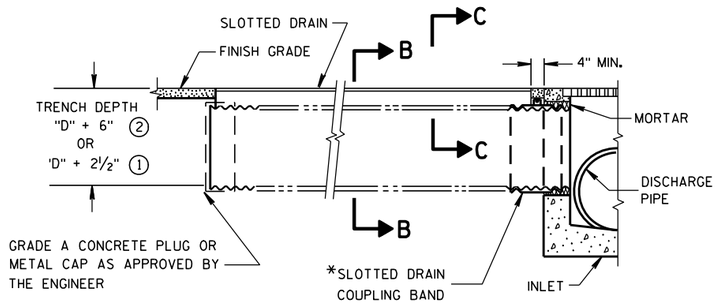
PLAN VIEW



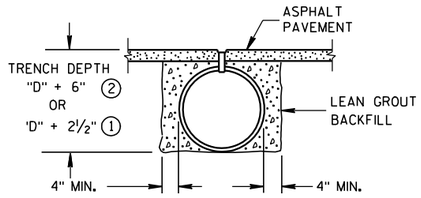
SIDE VIEW

*TYPICAL COUPLING BAND FOR SLOTTED DRAIN

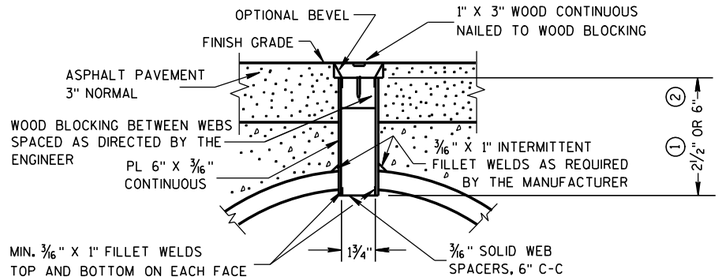
(ALTERNATES PERMITTED AS APPROVED BY THE ENGINEER)



SLOTTED DRAIN INSTALLATION TYPE "A"

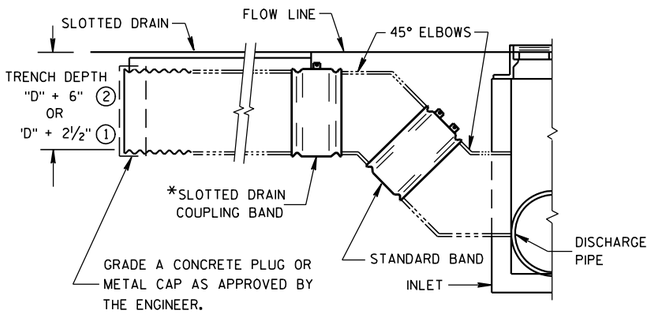


SECTION B-B

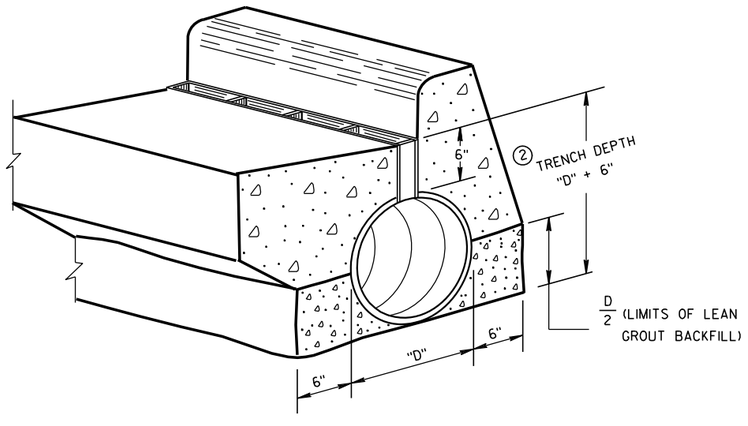


SECTION C-C

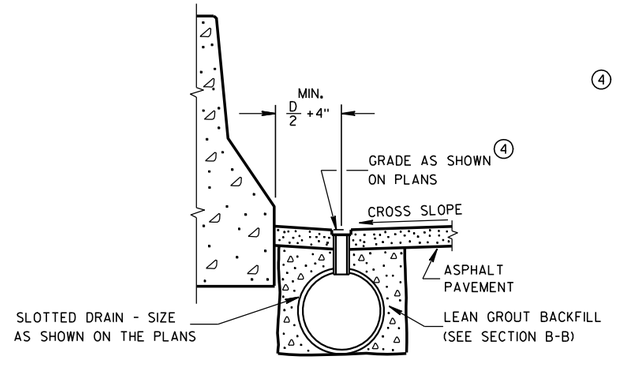
GRATE SLOT DETAIL



SLOTTED DRAIN INSTALLATION TYPE "B"



SLOTTED DRAIN INSTALLATION IN FLOW LINE OF CURB & GUTTER TYPE "C"



SLOTTED DRAIN INSTALLATION AT MEDIAN BARRIER TYPE "D"

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.

BACKFILL MATERIAL

THE LEAN GROUT BACKFILL MATERIAL SHALL BE A FINE AGGREGATE, IN ACCORDANCE WITH SUBSECTION 501.3.6.3.6 OF THE STANDARD SPECIFICATIONS, MIXED WITH 150 POUNDS OF CEMENT AND APPROXIMATELY 30 GALLONS OF WATER FOR EACH 3000 POUNDS OF FINE AGGREGATE.

THE PIPE FOR THE SLOTTED DRAIN SHALL MEET AASHTO DESIGNATION M-36, AND THE GRATE ASSEMBLIES SHALL BE MADE FROM STRUCTURAL STEEL SUITABLY WELDED TO FORM THE OPEN SLOT AND HOT-DIP GALVANIZED TO MEET THE PROVISIONS OF AASHTO DESIGNATION M-111.

NORMAL PIPE SIZES ARE 12-INCH THROUGH 24-INCH DIAMETER IN 0.064 INCH THICKNESS, AND 30-INCH DIAMETER PIPE IN 0.079 INCH THICKNESS.

NOTE:

TO PREVENT "FLOATING" OF THE SLOTTED DRAIN DURING BACKFILL OPERATIONS PROVIDE ADEQUATE WEDGES, OR POUR THE LEAN GROUT ON TOP OF THE PLUGGED SLOT ALLOWING IT TO SLOUGH TO THE SIDES OF THE PIPE. THIS WILL PROVIDE ENOUGH WEIGHT ON TOP TO KEEP THE PIPE FROM FLOATING.

① 2½" NORMAL GRATE DEPTH.

② 6" SPECIAL GRATE DEPTH, WHEN SPECIFIED ON THE PLANS.

③ FOR SCREEDING DIRECTLY OVER THE SLOTTED DRAIN WITH ASPHALT PAVER. FOR CONCRETE SURFACE USE 3" WIDE TAPE OVER THE SLOT TO KEEP MATERIAL OUT OF THE PIPE.

④ WHEN THE SURFACE IS CONCRETE PAVEMENT THE GRADE AS SHOWN ON THE PLANS WILL BE FLUSH WITH THE TOP OF THE SLOTTED DRAIN.

SLOTTED CORRUGATED METAL PIPE SURFACE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/30/79 DATE
/S/ D. L. Str--- CHIEF ROADWAY DEVELOP 191 GINEER
FHWA

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S.D.D. 8 D 13-1

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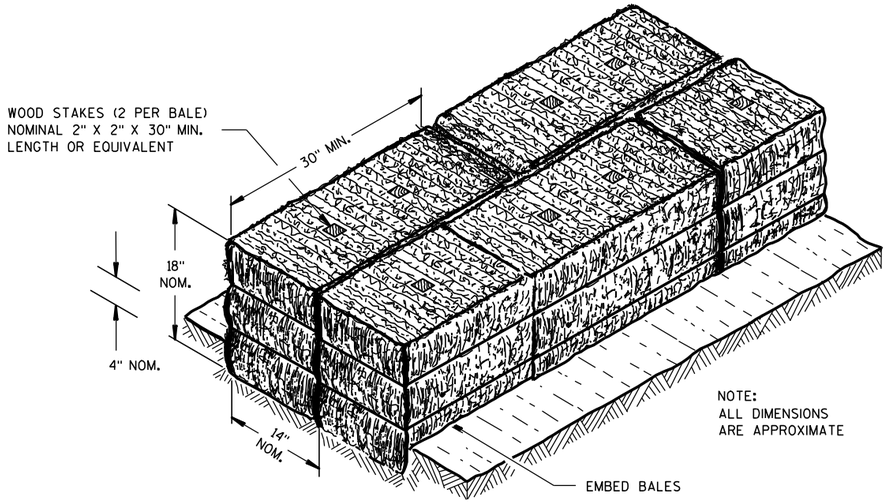
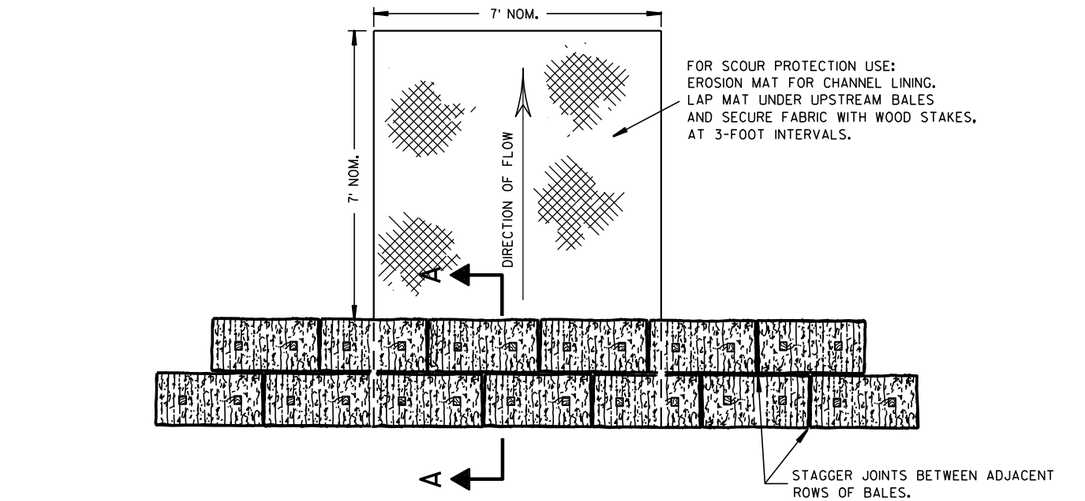
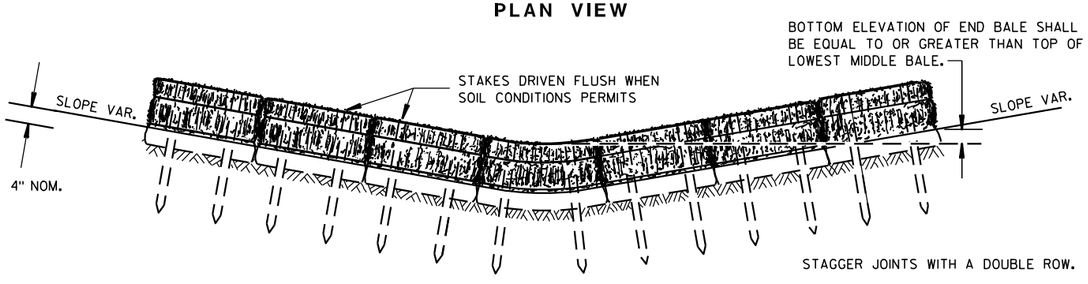
S.D.D. 13 D 13-1



SECTION A-A



PLAN VIEW



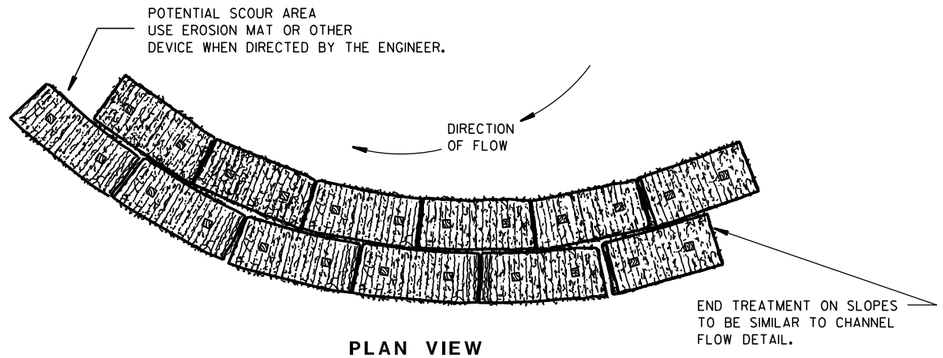
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

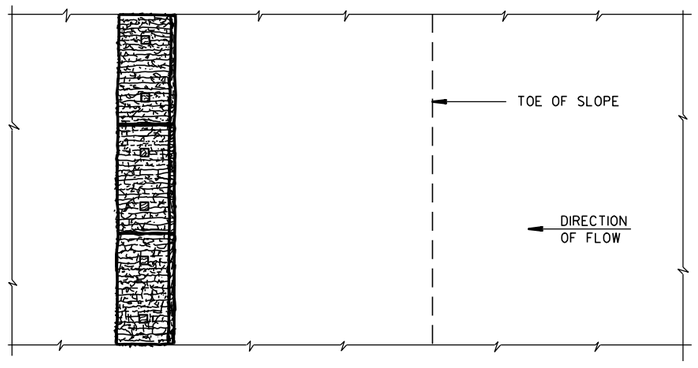
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

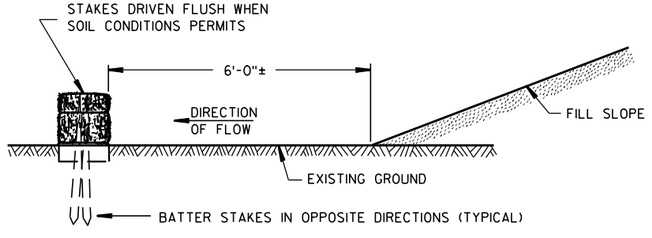


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

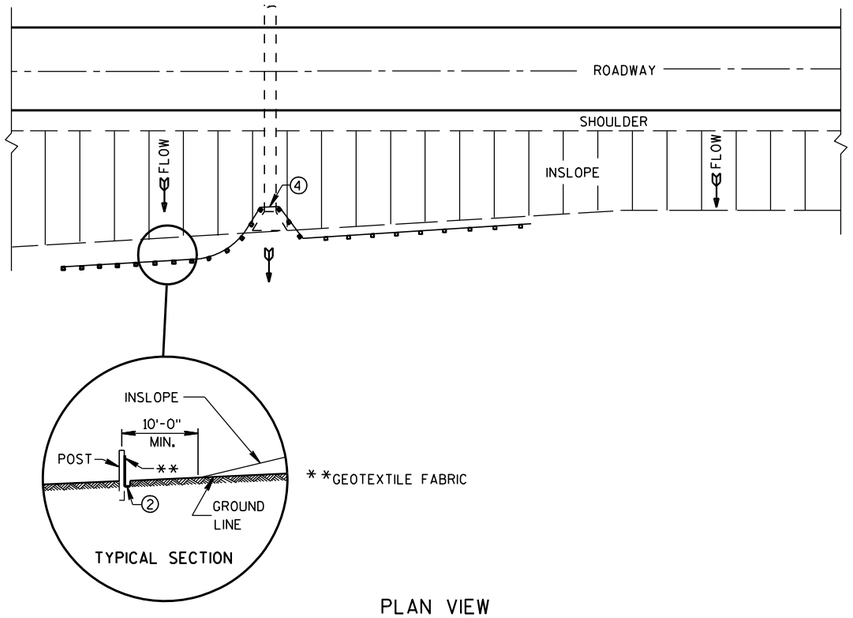
EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

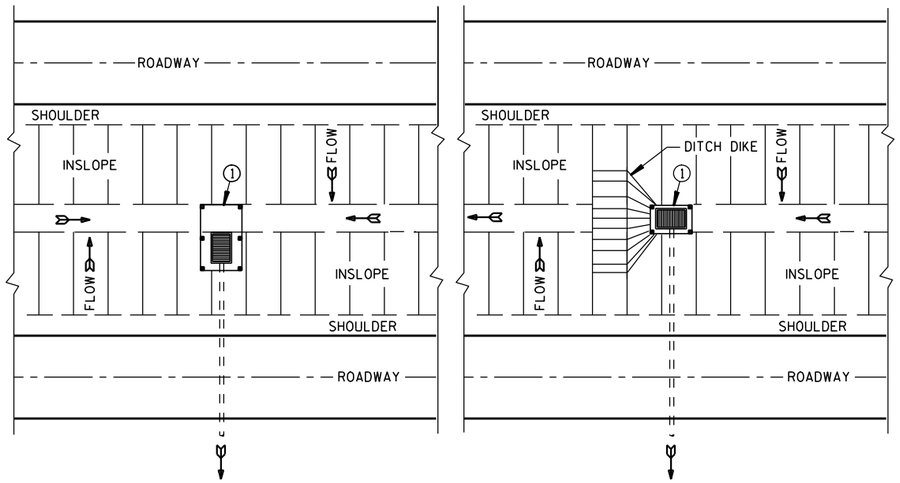
APPROVED
6/04/02 — DATE
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 8-3



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.

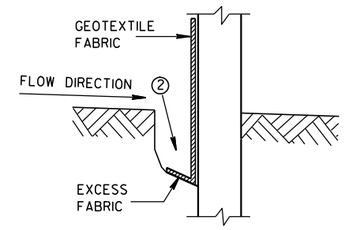
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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.

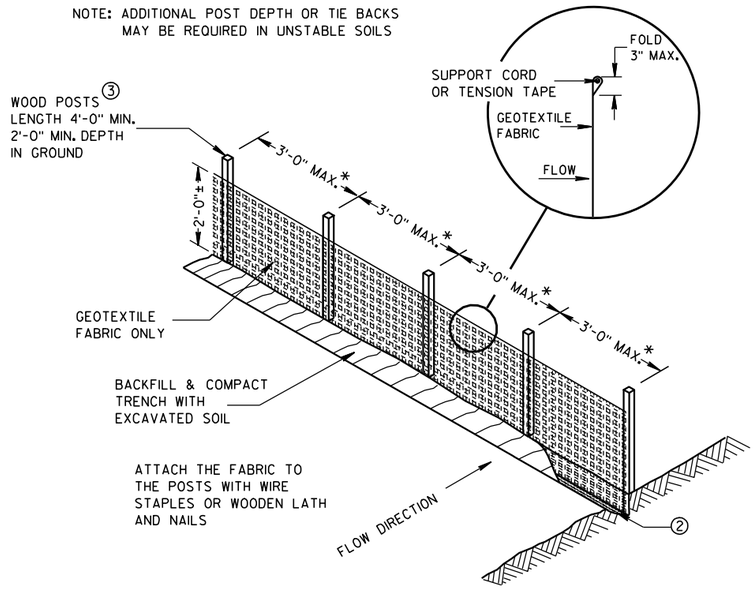
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

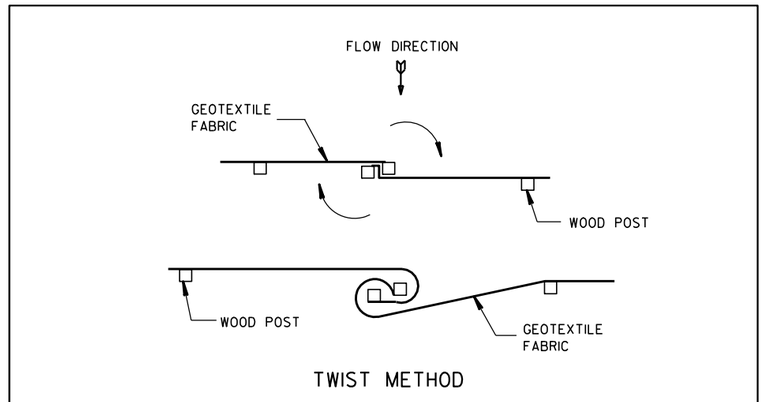
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



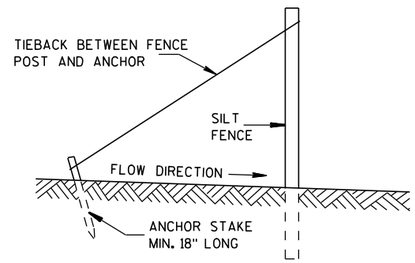
TRENCH DETAIL



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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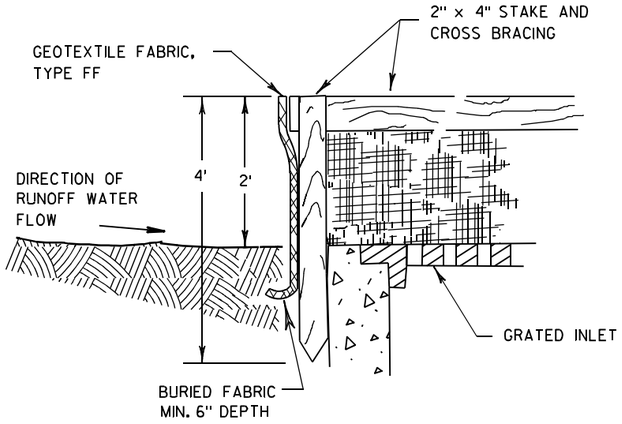
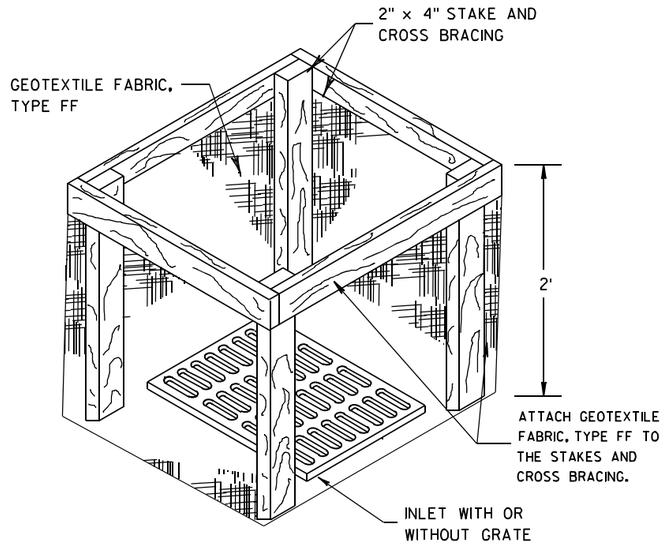
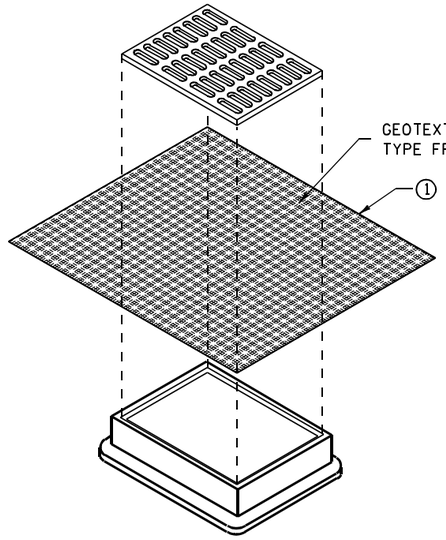
S.D.D. 8 E 9-6



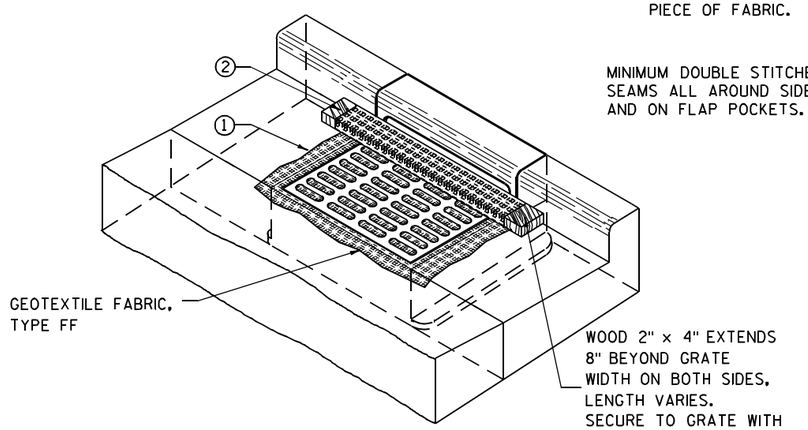


INLET PROTECTION, TYPE A

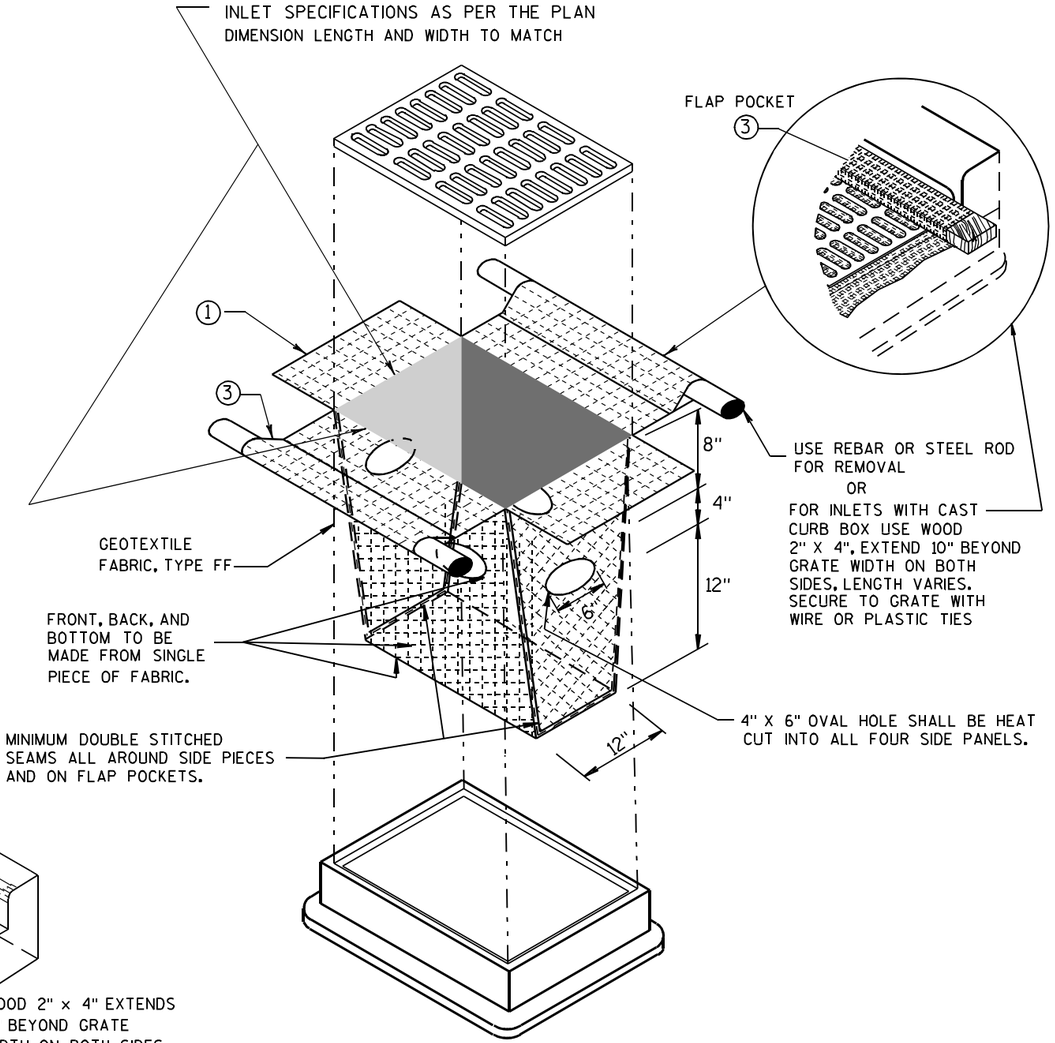


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

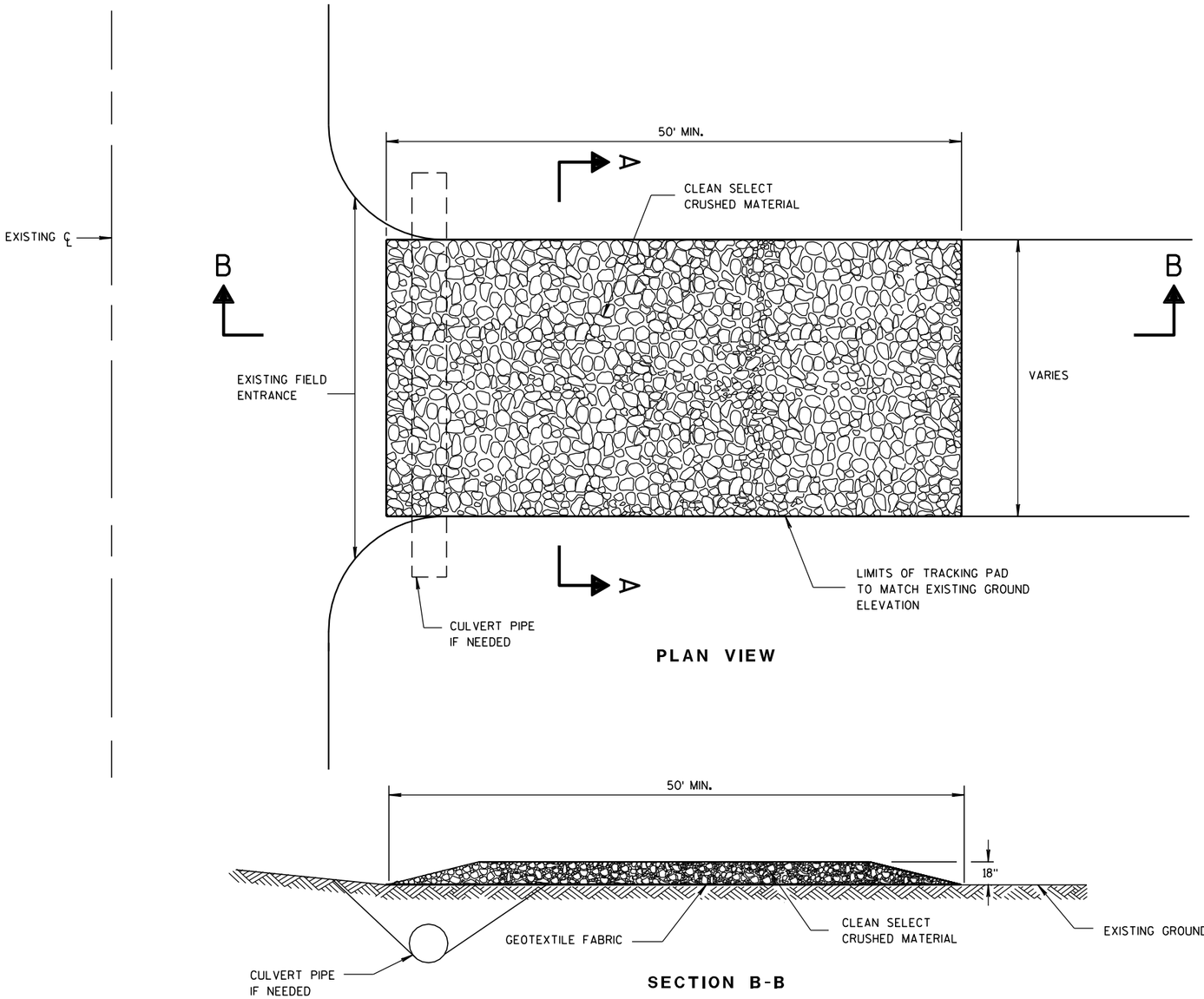
10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6

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.

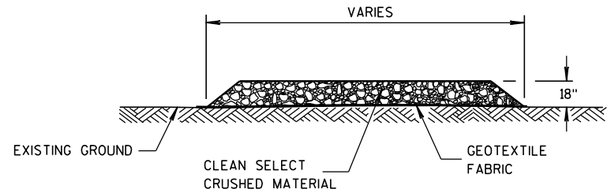
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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 DATE
/S/ Jerry H. Zoda
ROADWAY STANDARDS ENGINEER
FHWA

ENT

6

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

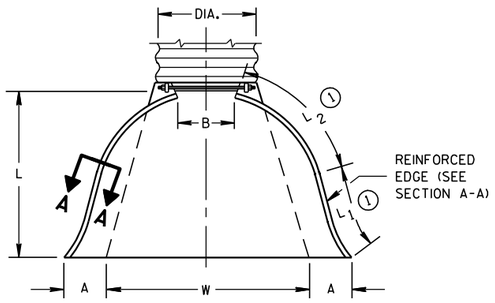
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

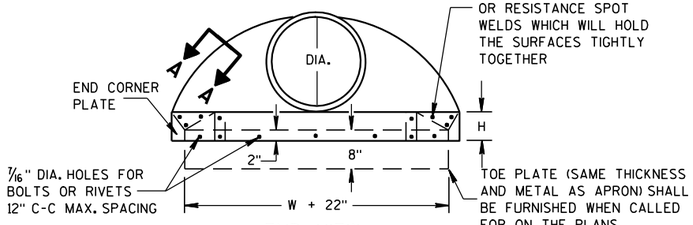
REINFORCED CONCRETE APRON ENDWALLS

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

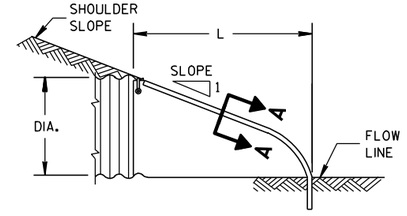
* MINIMUM
** MAXIMUM



PLAN VIEW

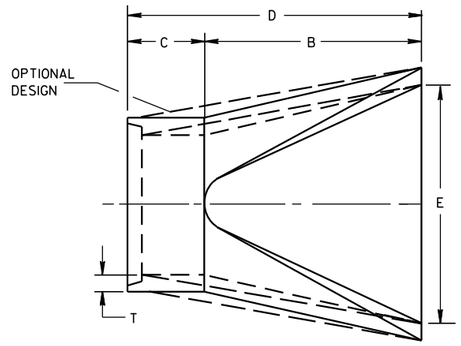


END VIEW

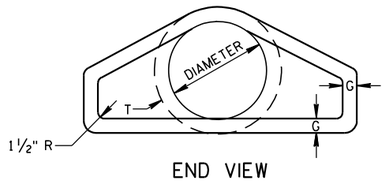


SIDE ELEVATION

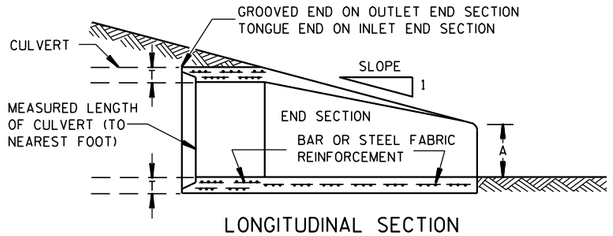
METAL ENDWALLS



PLAN

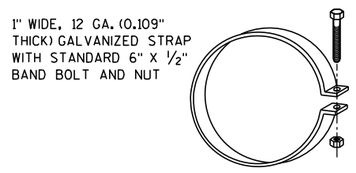


END VIEW



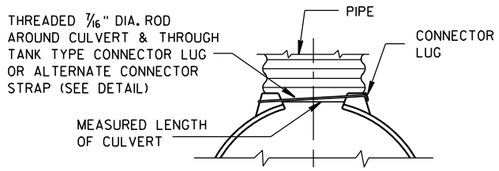
LONGITUDINAL SECTION

CONCRETE ENDWALLS

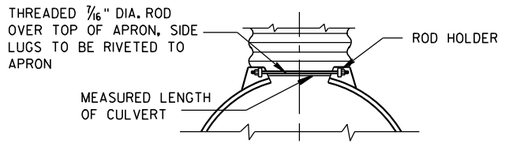


ALTERNATE FOR TYPE 1 CONNECTION

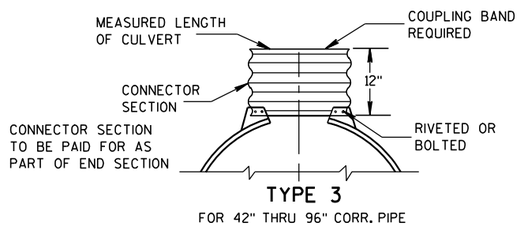
END SECTION CONNECTOR STRAP



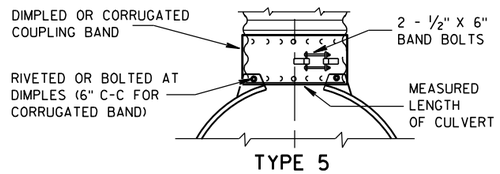
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

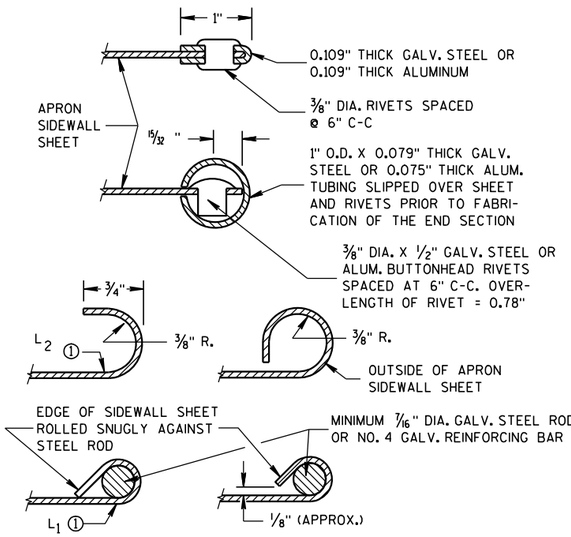
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

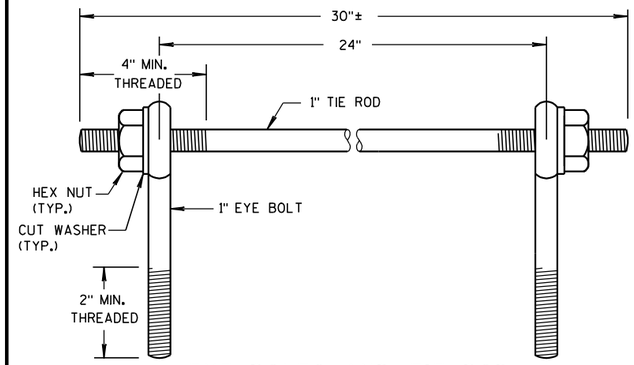
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

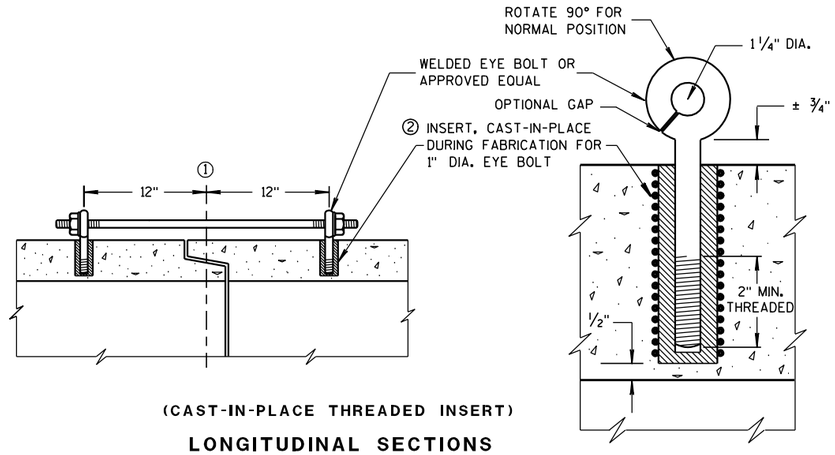
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



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.

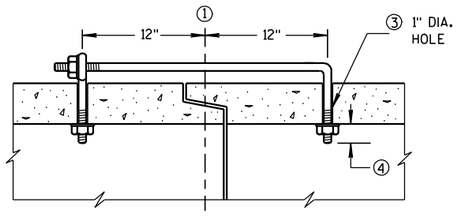
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

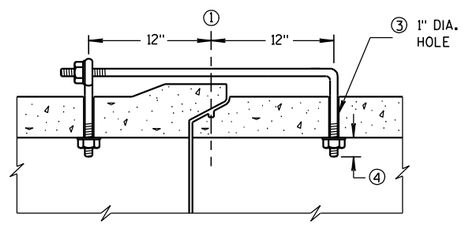
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

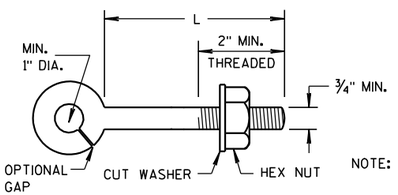


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

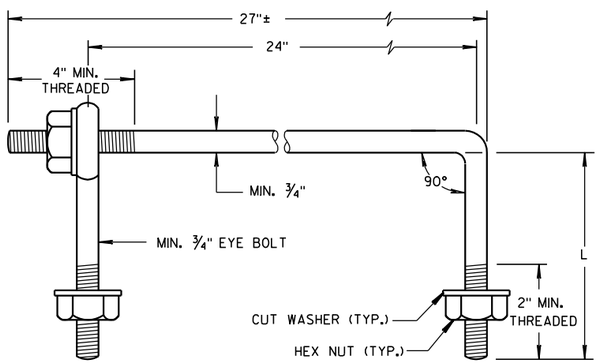
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

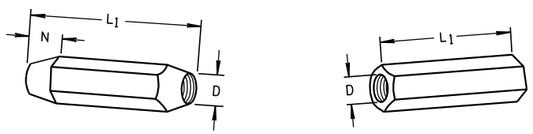
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

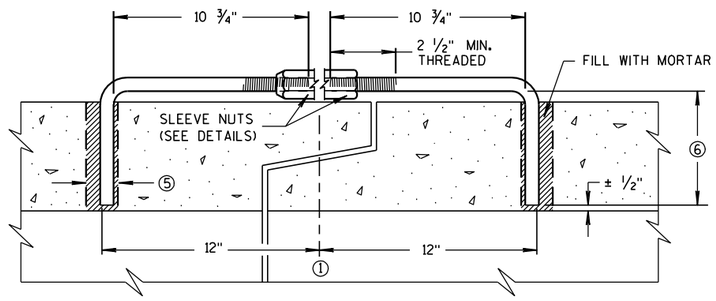
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

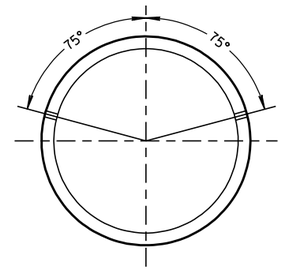
SLEEVE NUTS



LONGITUDINAL SECTION

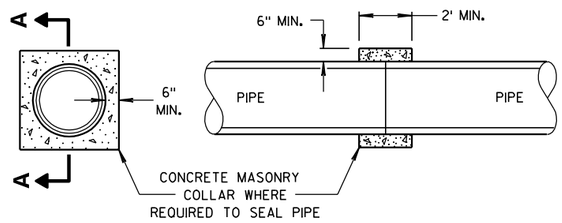
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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
197
FHWA

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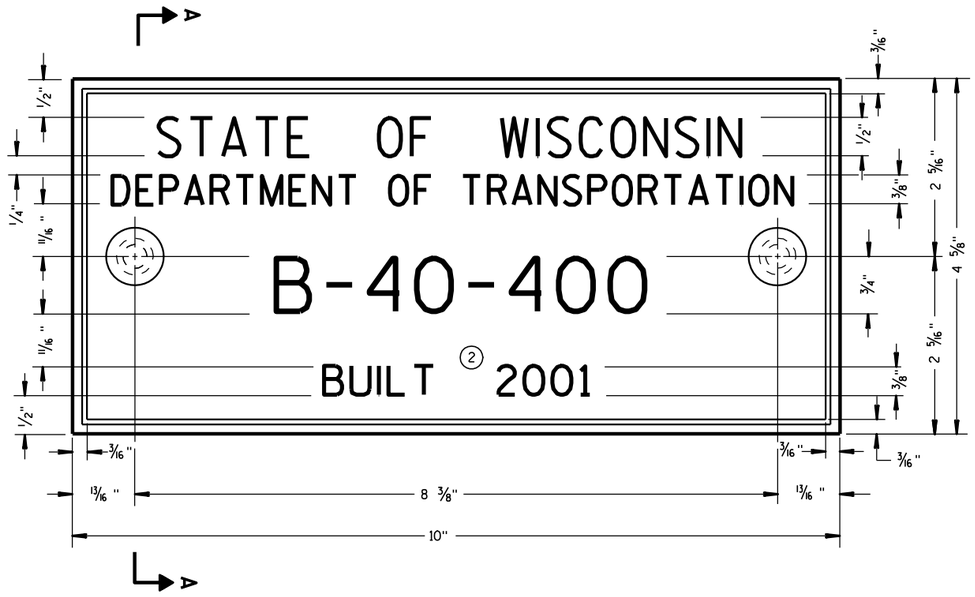
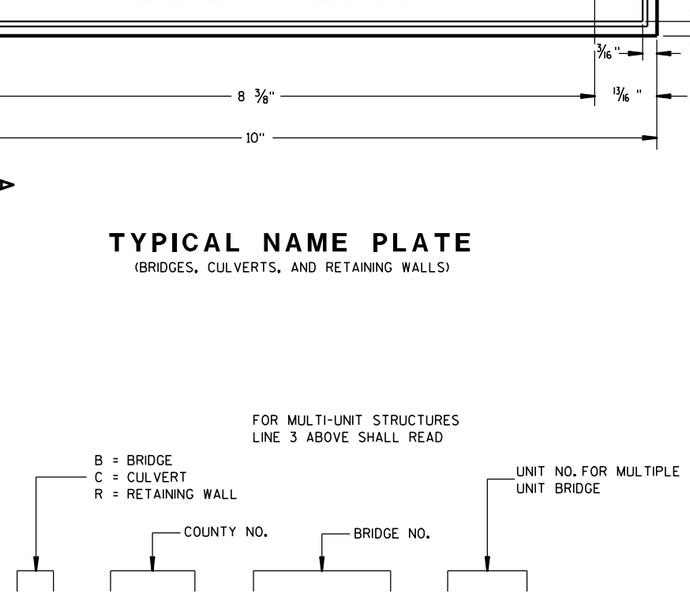
S.D.D. 8 F 4-7

6

S.D.D. 8 F 4-7



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

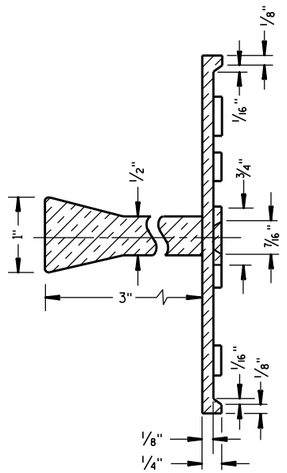
GENERAL NOTES

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.

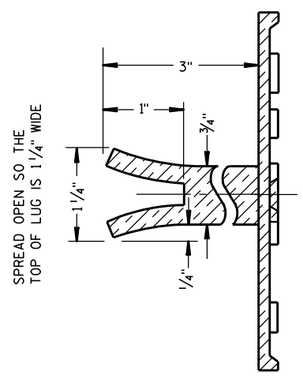
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

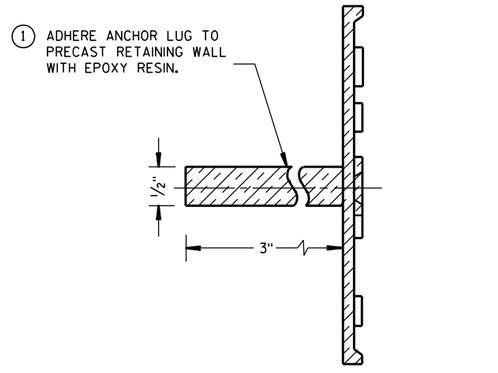
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



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 ENGINEER

FHWA

198

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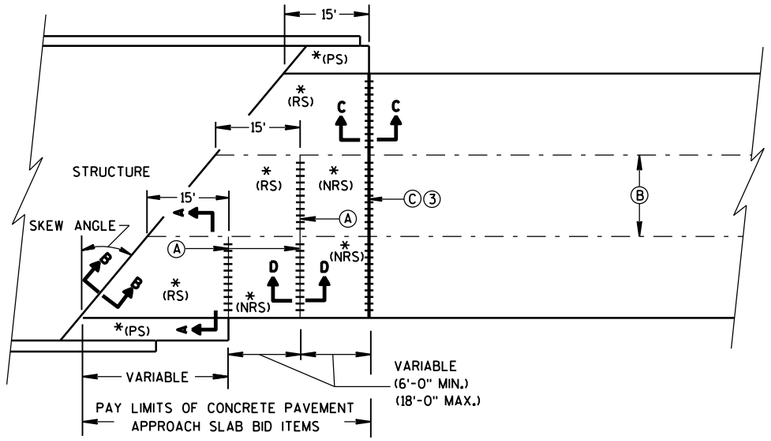
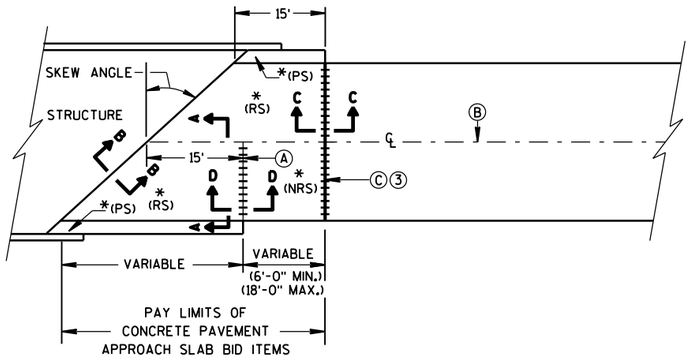
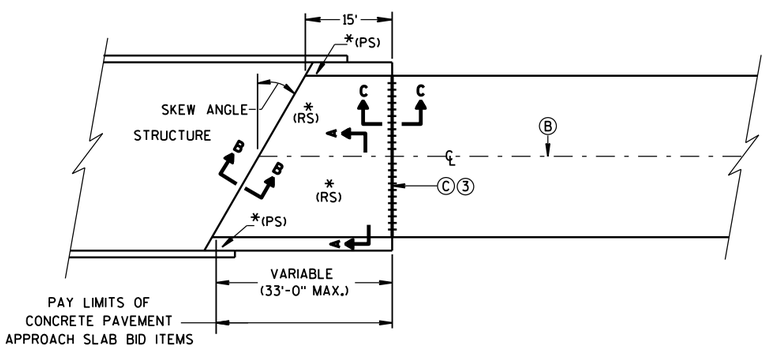
S.D.D. 12 A 3-10



SKEWED APPROACH
(PAVEMENT MORE THAN 2 LANES)



SKEWS >20°
(PAVEMENT WIDTH ≤30')



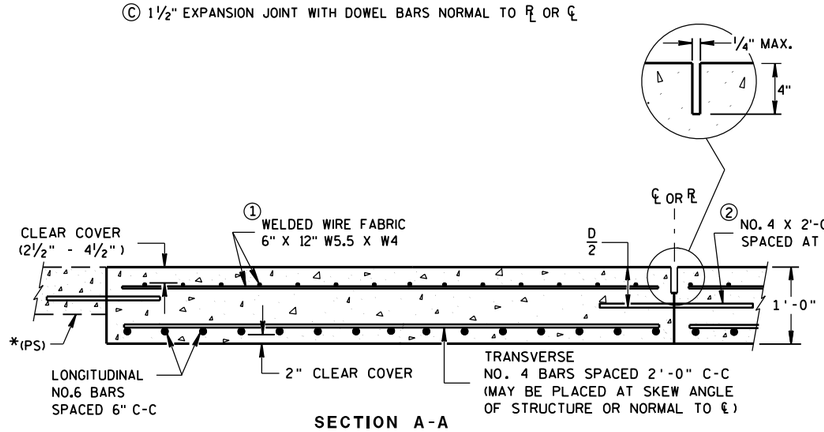
SKEWS ≤20°
(PAVEMENT WIDTH ≤30')

APPROACH SLAB AND ADJACENT PAVEMENT

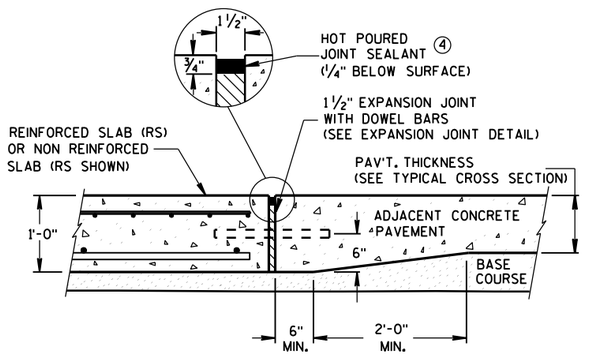
*(RS) = REINFORCED CONCRETE SLAB
*(PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB
(SEE DETAILS ELSEWHERE IN THE PLAN)
*(NRS) = NON-REINFORCED CONCRETE SLAB

***STANDARD DOWEL BAR DIAMETER
(SEE SDD 13C11, & SDD 13C13)

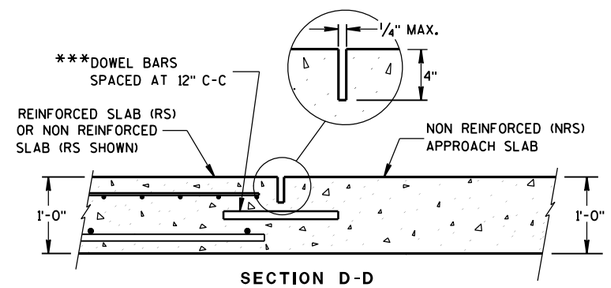
Ⓐ STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℄
Ⓑ STANDARD LONGITUDINAL JOINT WITH TIE BARS.
Ⓒ 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄



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.

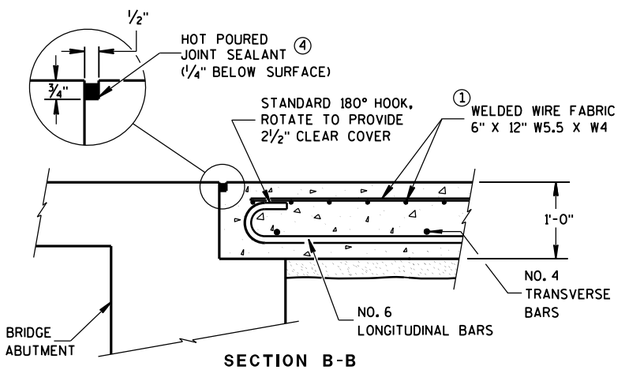
① THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2'-0" C-C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

② THE CONTRACTOR MAY OMIT TIE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

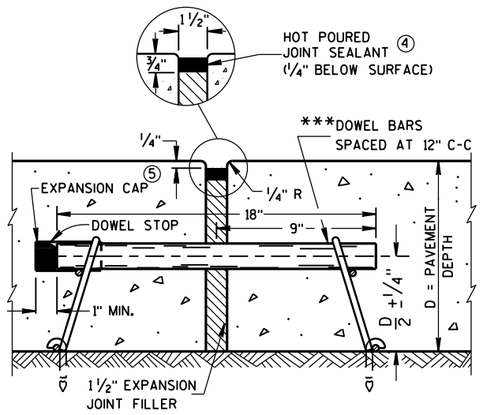
③ DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

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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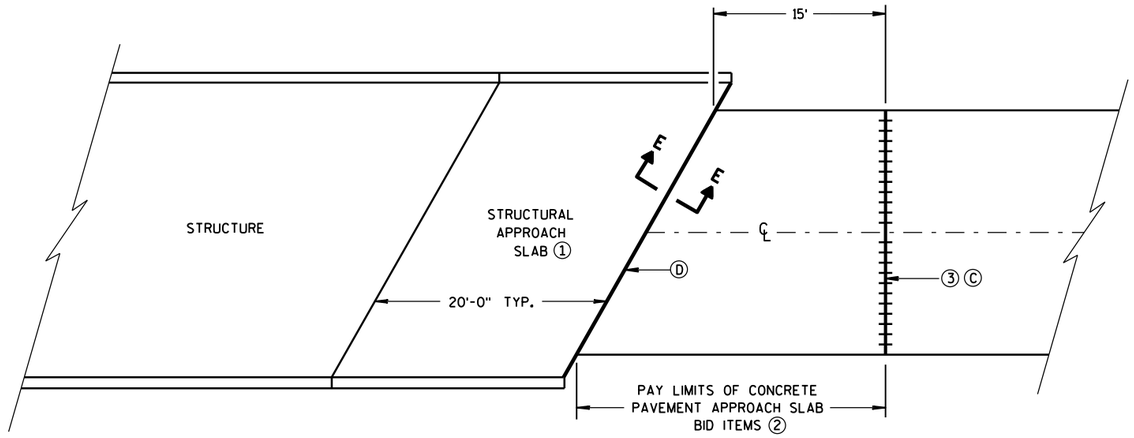
S.D.D. 13 B 2-8a

BRIDGE APPROACHES



GENERAL NOTES

ALL PROJECTS THAT INVOLVE A STRUCTURAL APPROACH SLAB WILL ALSO HAVE A CONCRETE PAVEMENT APPROACH SLAB.

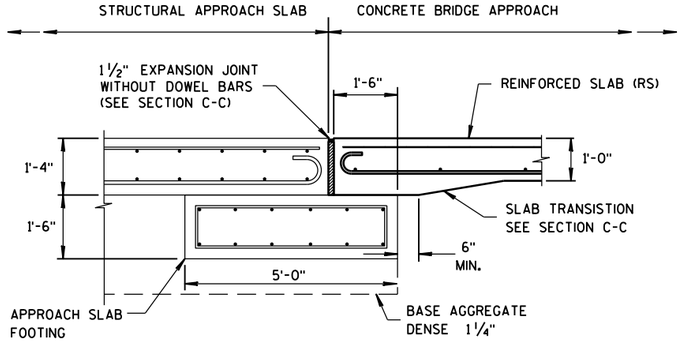
① SEE BRIDGE PLAN.

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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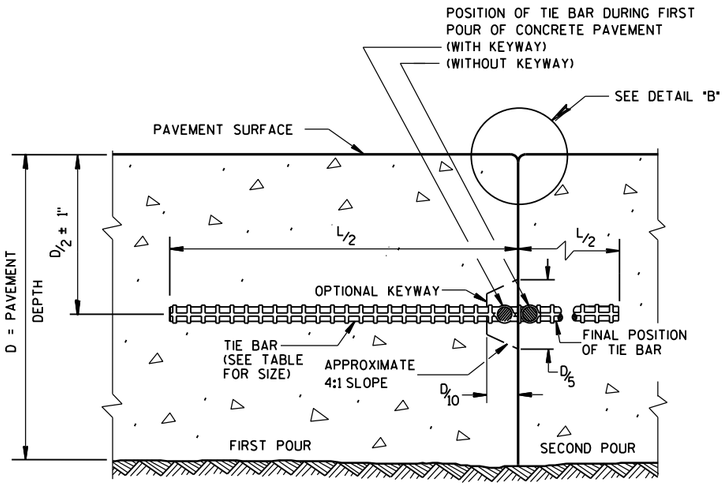
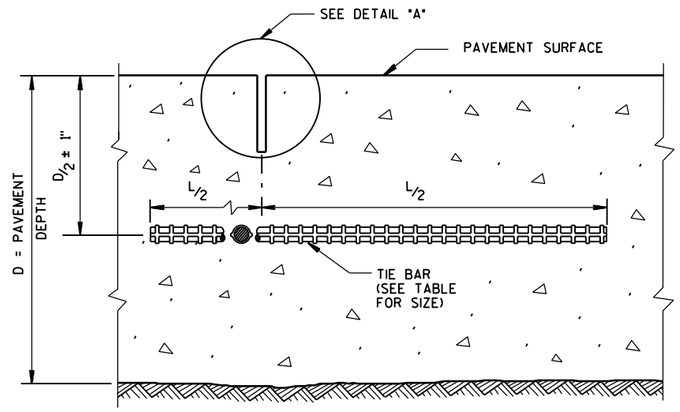
S.D.D. 13 B 2-8b



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"

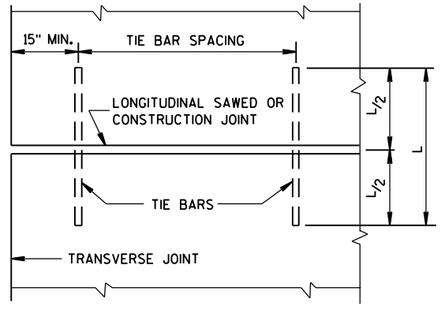
DETAIL "C"

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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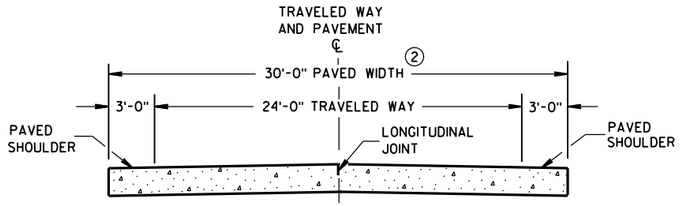
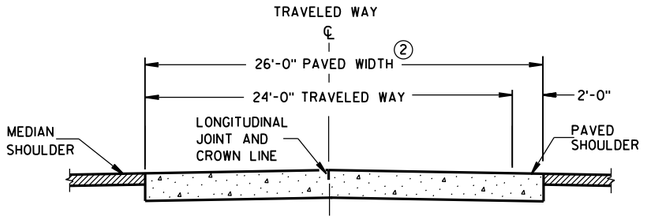
S.D.D. 13 C 1-18

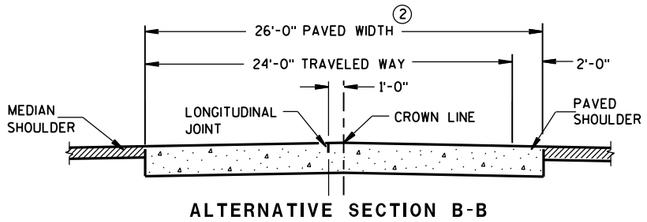


SECTION A-A ①

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

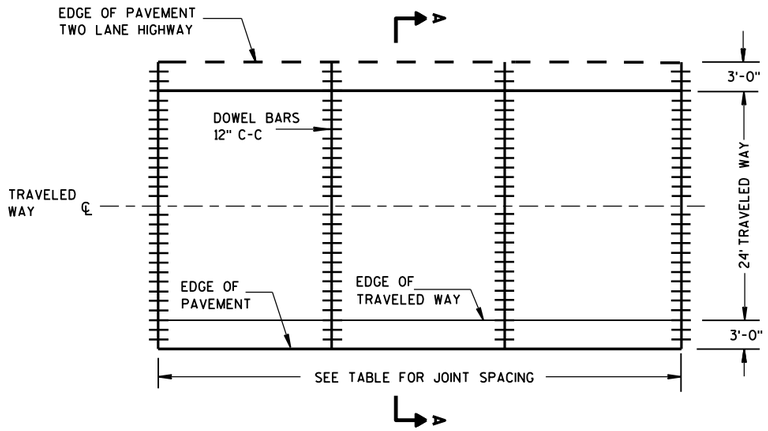
LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

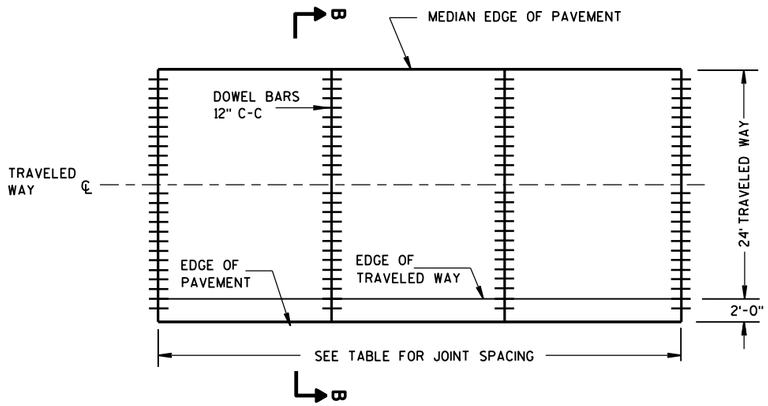
② MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED PAVED SHOULDER AS CONCRETE PAVEMENT.

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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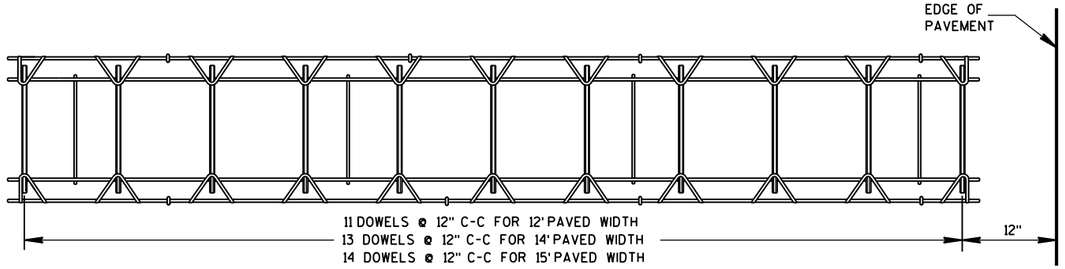
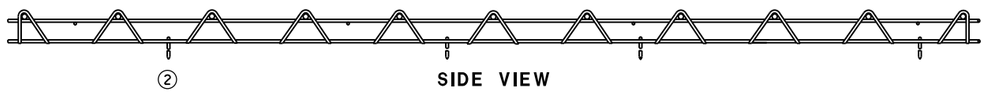
S.D.D. 13 C 11-11a



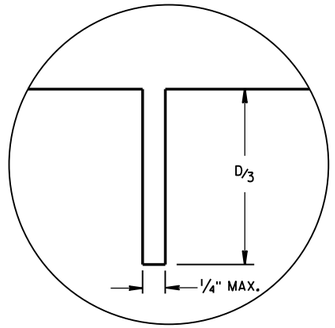
PLAN VIEW



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.

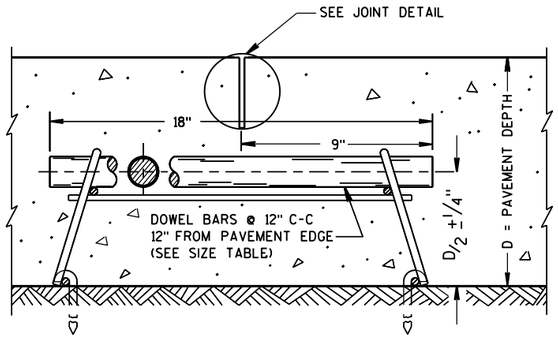
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A 1/4-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

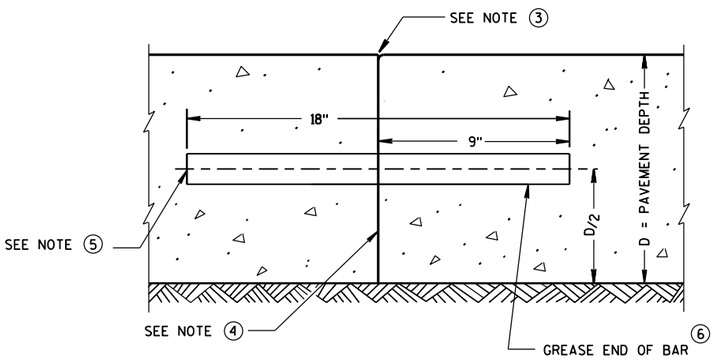
⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

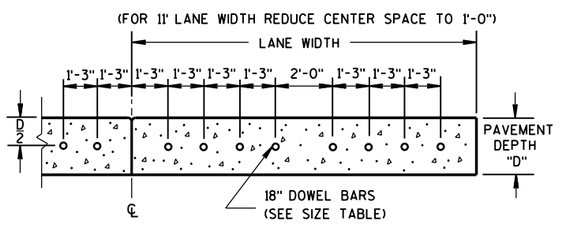
⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



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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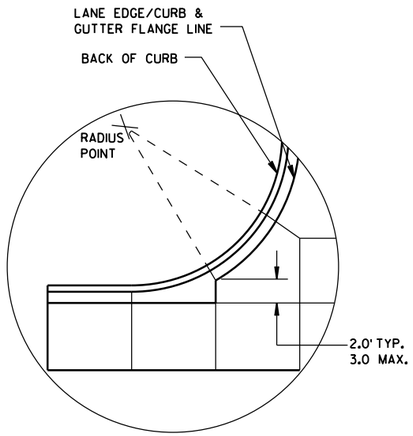
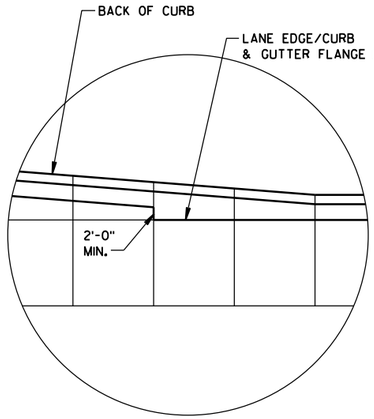
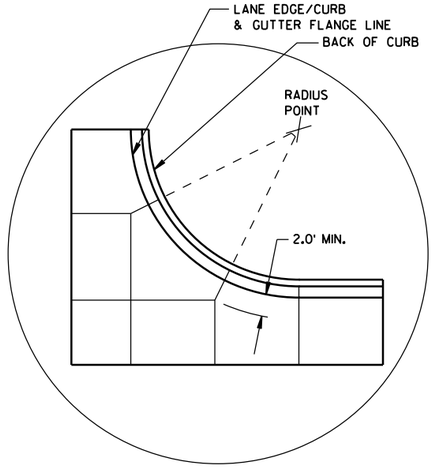
S.D.D. 13 C 11-11b



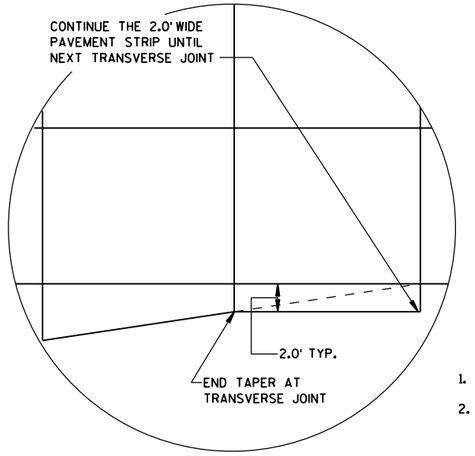
DETAIL "A"



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.

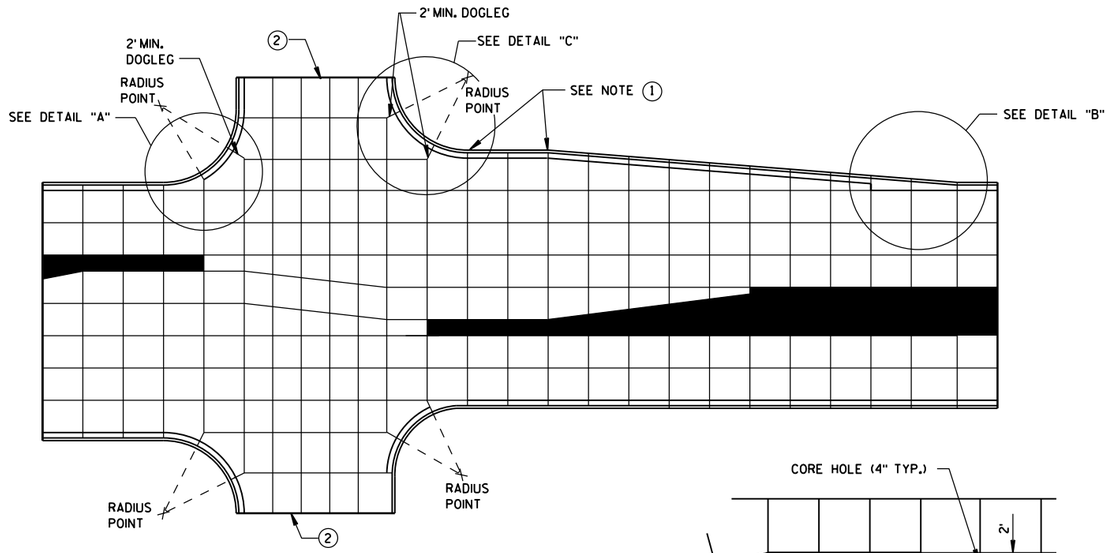
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

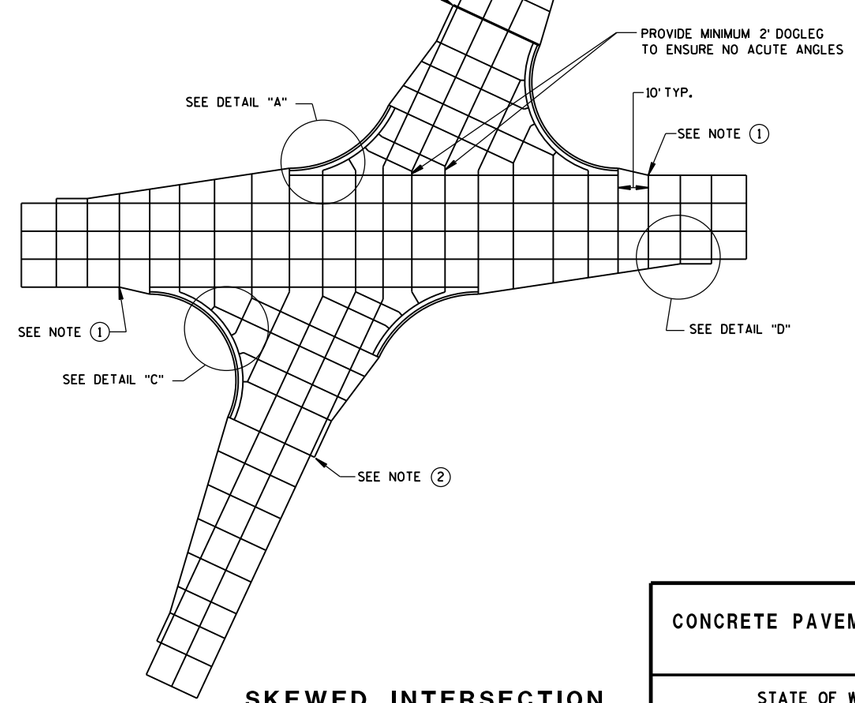
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



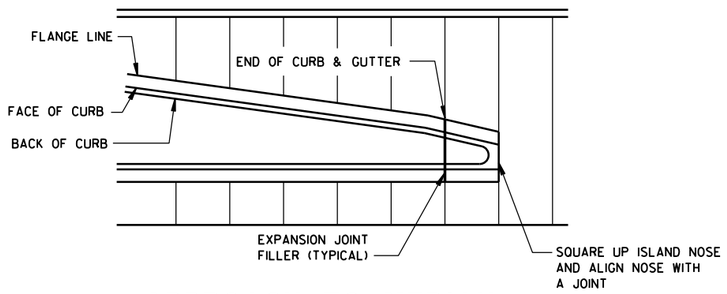
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

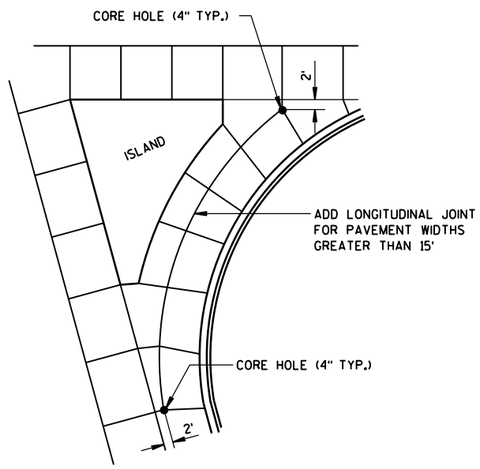
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 204

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S.D.D. 13 C 18-5a

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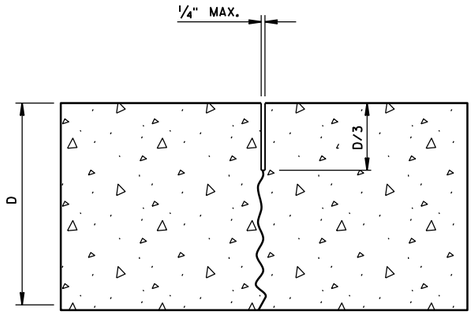
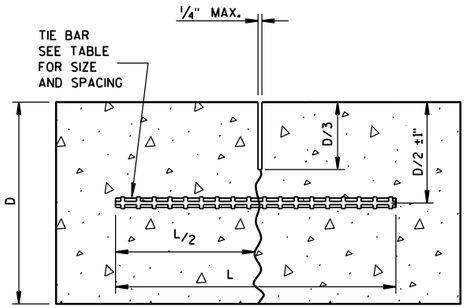
S.D.D. 13 C 18-5a



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

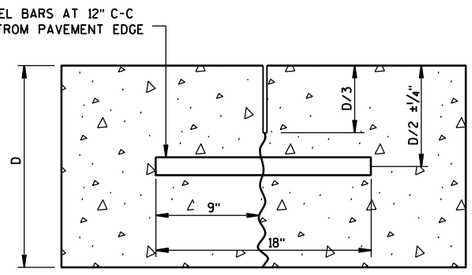
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* 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

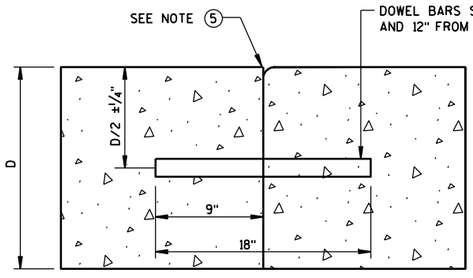
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 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.



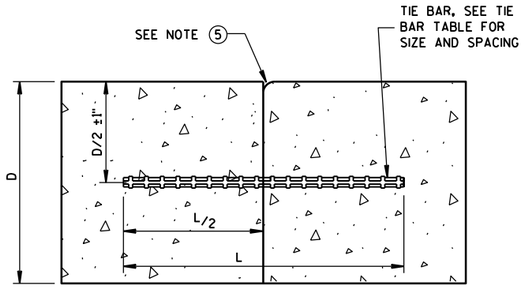
DOWELED-TRANSVERSE

CONTRACTION JOINTS

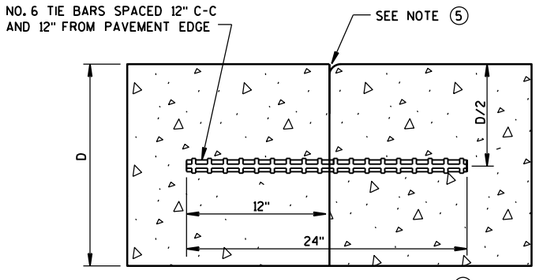
SEE NOTE (2)



DOWELED TRANSVERSE (3)

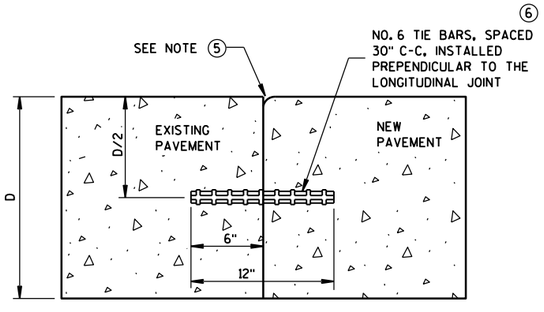


TIED LONGITUDINAL



TIED TRANSVERSE (3)

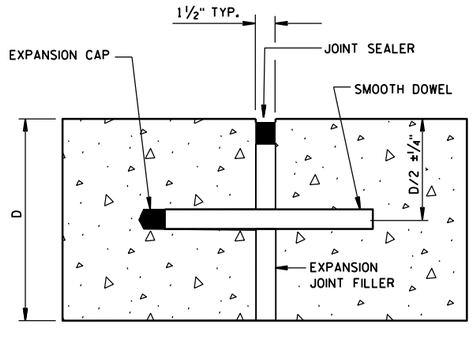
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

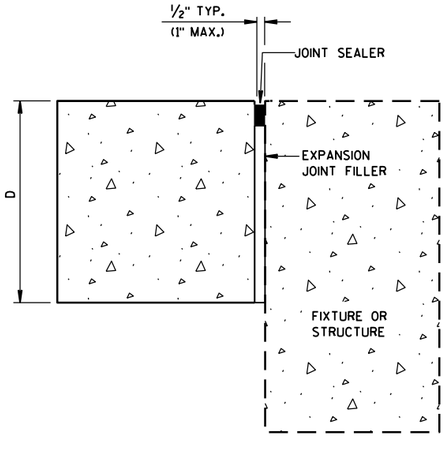
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

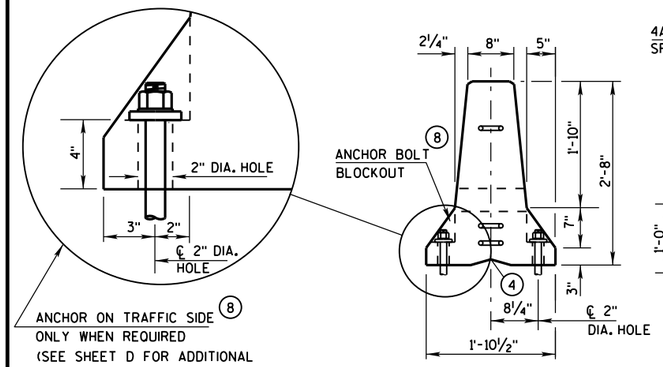
EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

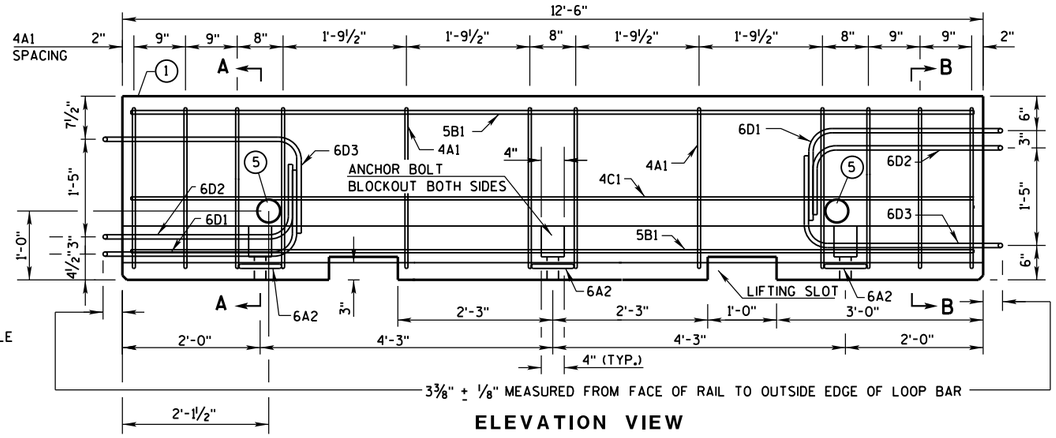
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

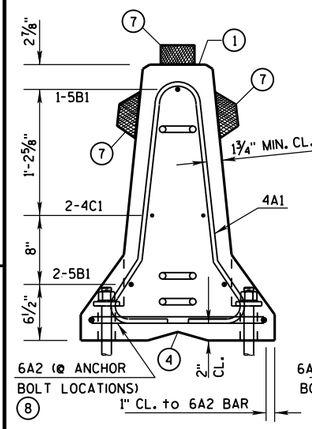
S.D.D. 13 C 18-5c



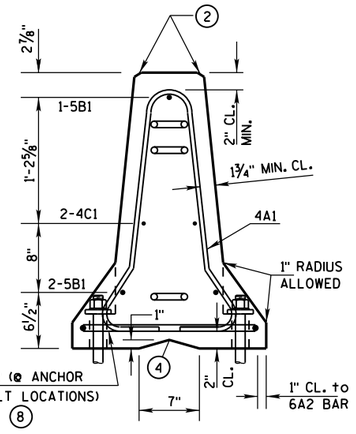
END VIEW



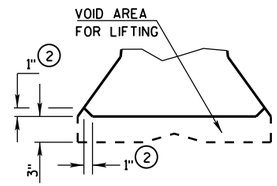
ELEVATION VIEW



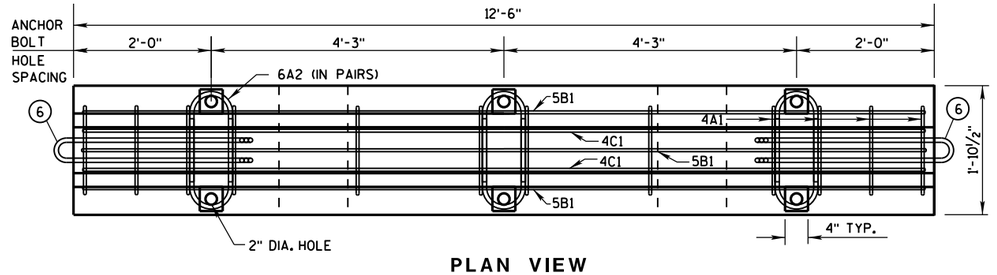
SECTION A-A
(STIRRUP PLACEMENT)



SECTION B-B
(STIRRUP PLACEMENT)

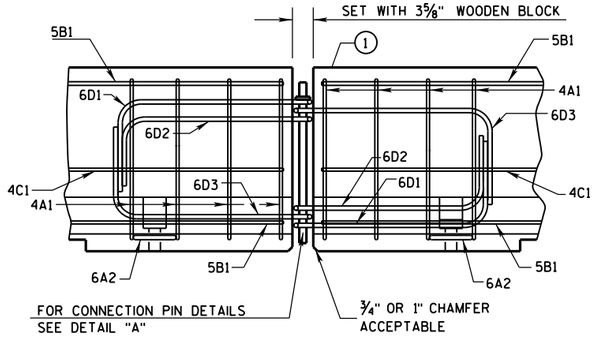


DETAIL "B"
LIFTING SLOT DETAIL

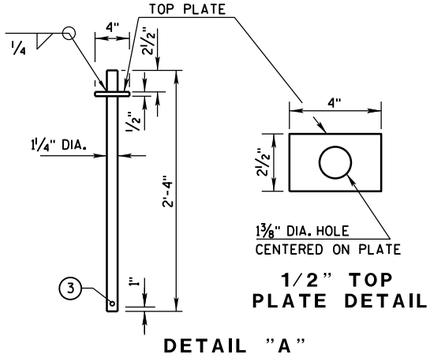


PLAN VIEW

DETAILS OF BARRIER SECTION

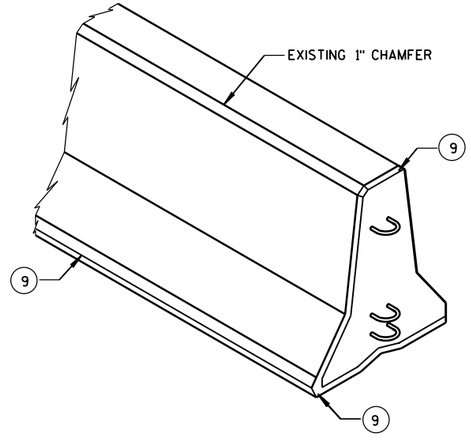


DETAILS OF BARRIER CONNECTION



1/2" TOP PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-14(a) THRU 14B7-14(h).

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.

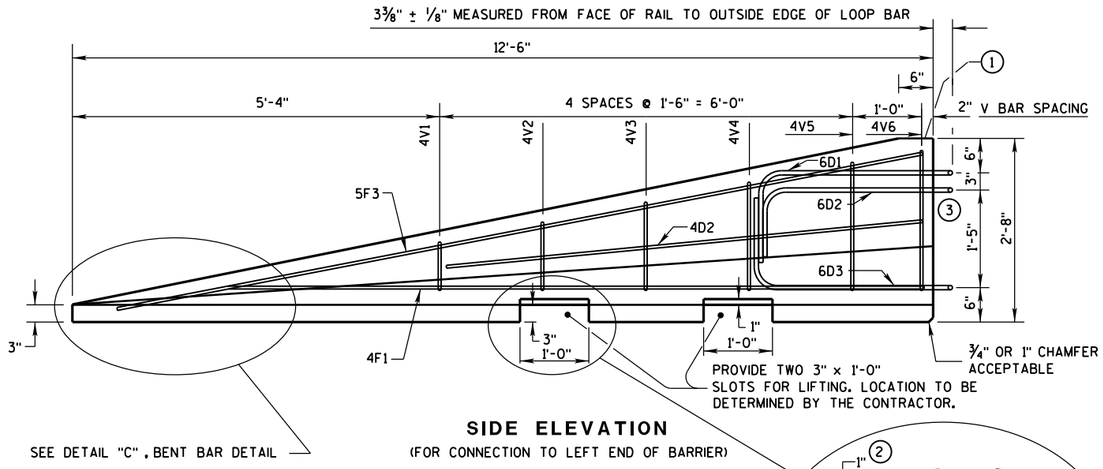
(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED 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 ANCHORING CRITERIA.

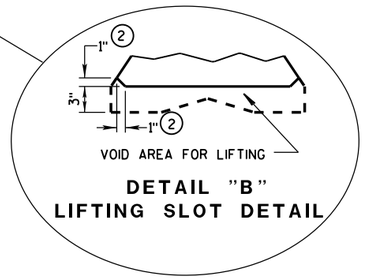
(9) 1" CHAMFER OPTIONAL.

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

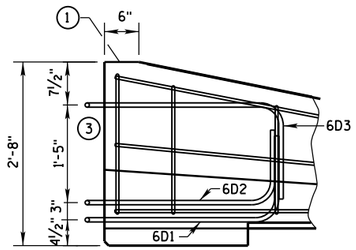
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR



SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



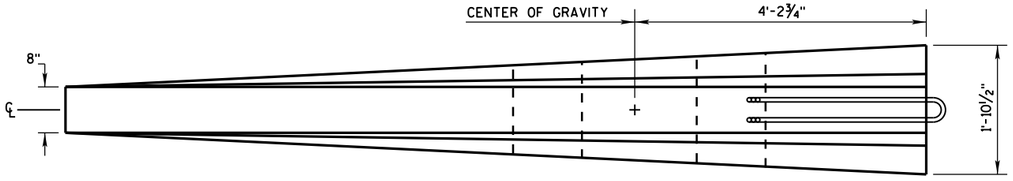
DETAIL "B"
LIFTING SLOT DETAIL



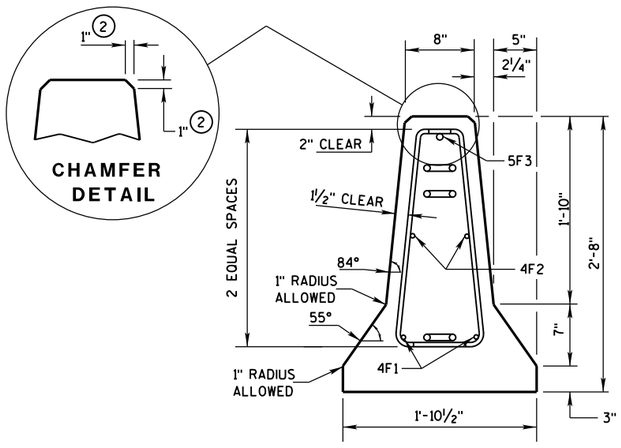
SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED
FOR OPPOSITE END.
(FOR CONNECTION TO RIGHT END OF BARRIER)

GENERAL NOTES

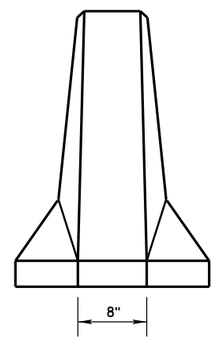
1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.



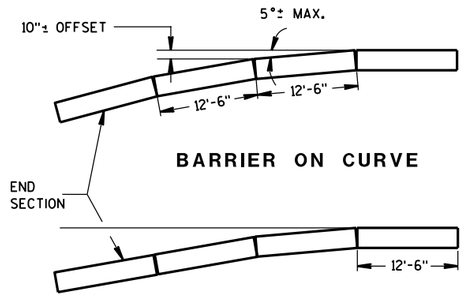
PLAN VIEW



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"

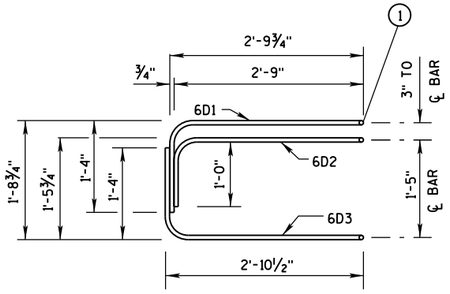
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-14b

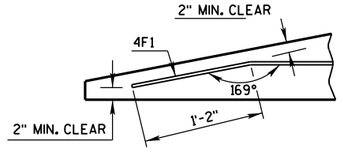
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

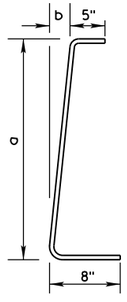
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



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

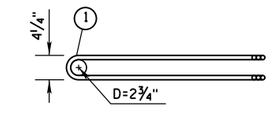
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

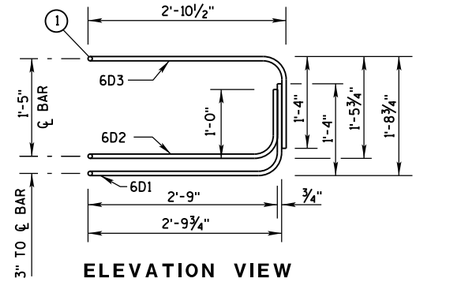
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

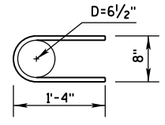
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



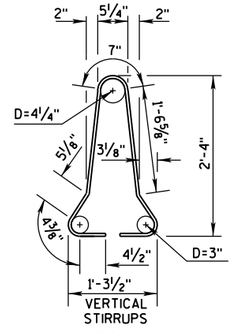
PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



ELEVATION VIEW



6A2



4A1

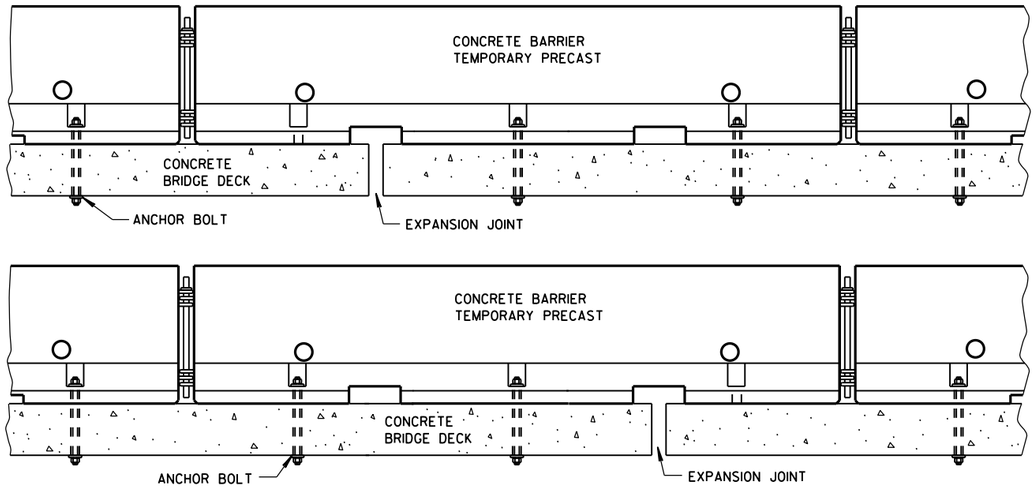
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

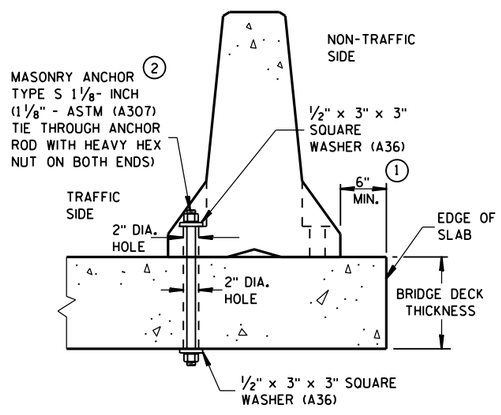
6

S.D.D. 14 B 7-14c



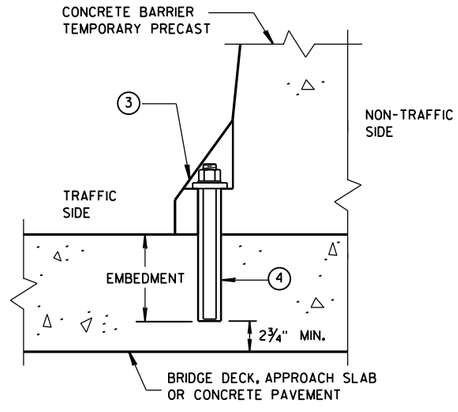
TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(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.)



THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)



REMOVABLE ADHESIVE BONDED ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT ②

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)

GENERAL NOTES

① CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" SHALL BE ANCHORED IF:
THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 4 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 45 MPH OR GREATER, OR

THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 2 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 40 MPH OR LESS.

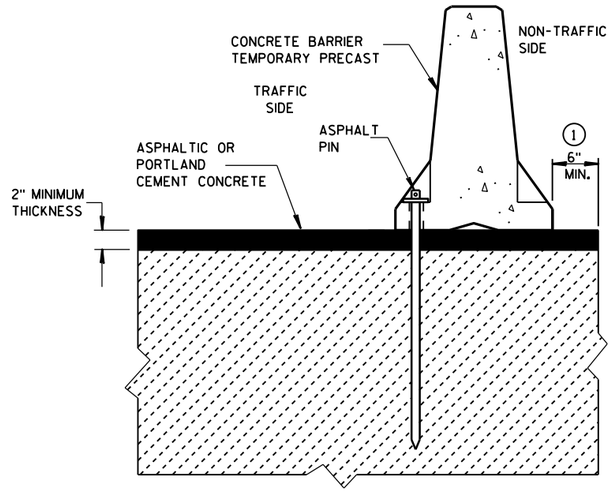
② ANCHORING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST.

WITH THE APPROVAL OF THE ENGINEER, REMOVABLE ADHESIVE BONDED ANCHOR BOLT INSTALLATION MAY BE USED IN LIEU OF THROUGH BOLTED ANCHOR INSTALLATION. THE ADHESIVE BONDED ANCHOR BOLT MUST BE REMOVABLE. USE ASTM (A307) MASONRY ANCHORS TYPE S 1⅛-INCH, EMBEDDED TO A DEPTH SUFFICIENT TO DEVELOP THE ULTIMATE CAPACITY OF THE ANCHOR BOLT AND PROVIDE DOCUMENTATION TO CONFIRM THIS.

UPON REMOVAL OR RELOCATION OF THE BARRIER UNITS, REMOVE ALL ANCHOR BOLTS AND COMPLETELY FILL IN THE REMAINING HOLES IN CONCRETE BRIDGE DECKS, CONCRETE APPROACH SLABS AND CONCRETE PAVEMENTS THAT ARE TO REMAIN, WITH A NON-SHRINK COMMERICAL GROUT OR MATERIAL IDENTIFIED ON THE CURRENT WISDOT APPROVED PRODUCTS LIST.

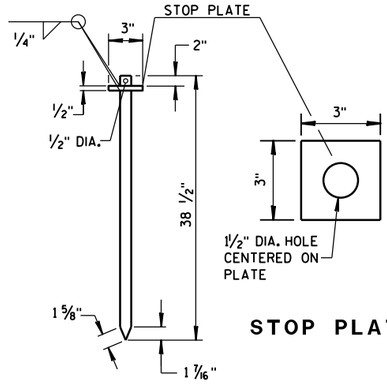
③ 1⅛" DIAMENTER A307 THREADED ROD, ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL, ASTM A563A HEAVY HEX NUT.

④ 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.



STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE

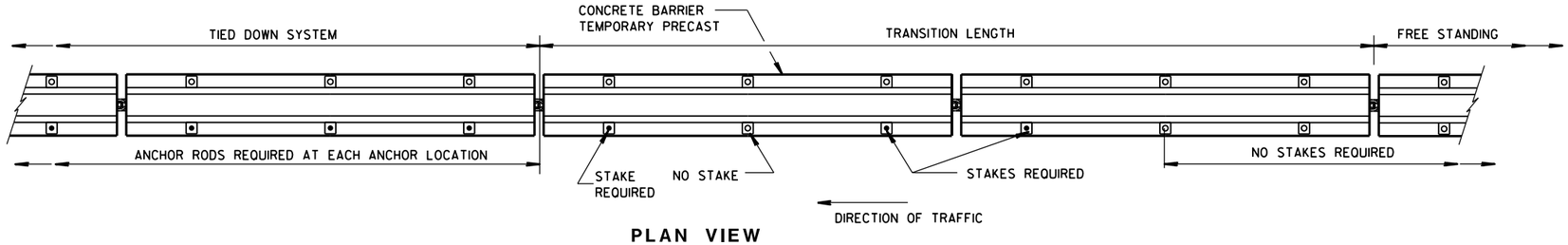
(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



STOP PLATE

ASPHALT 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

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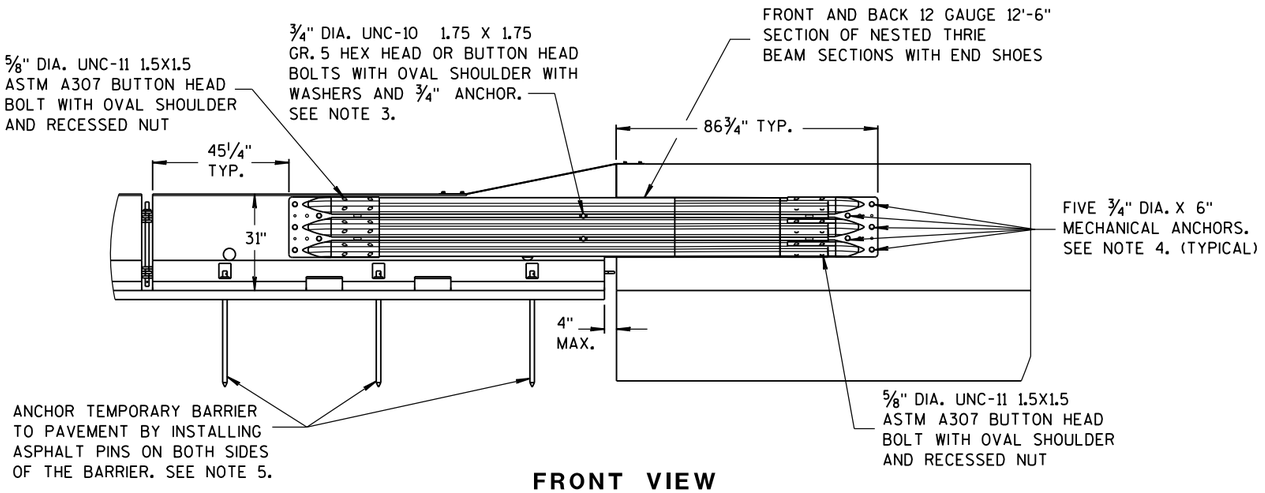
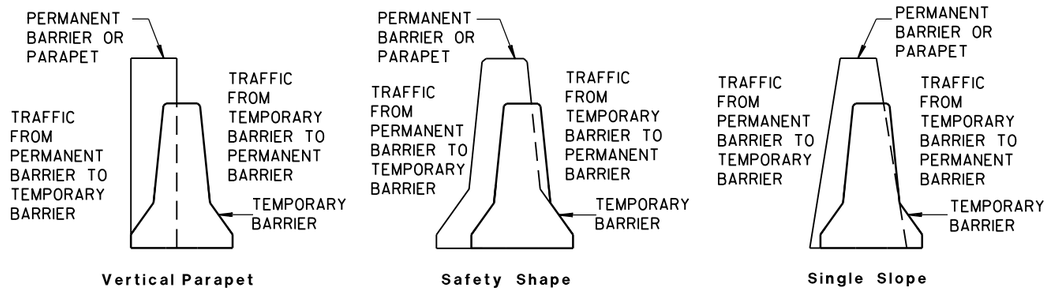
S.D.D. 14 B 7-14d



FRONT VIEW

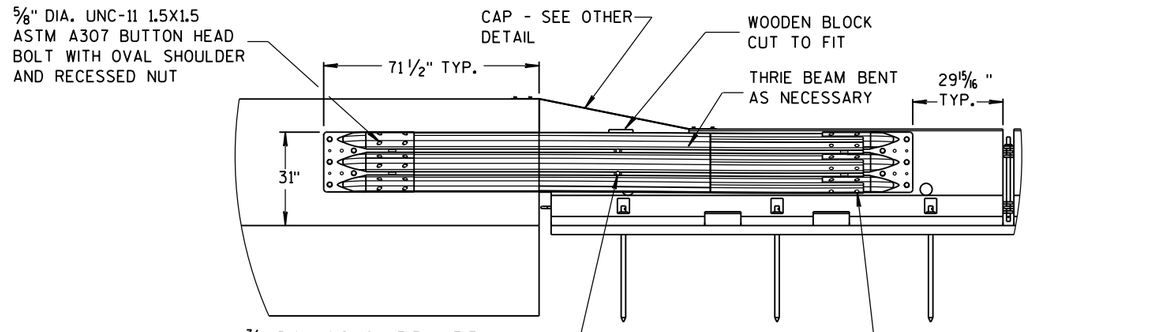


TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

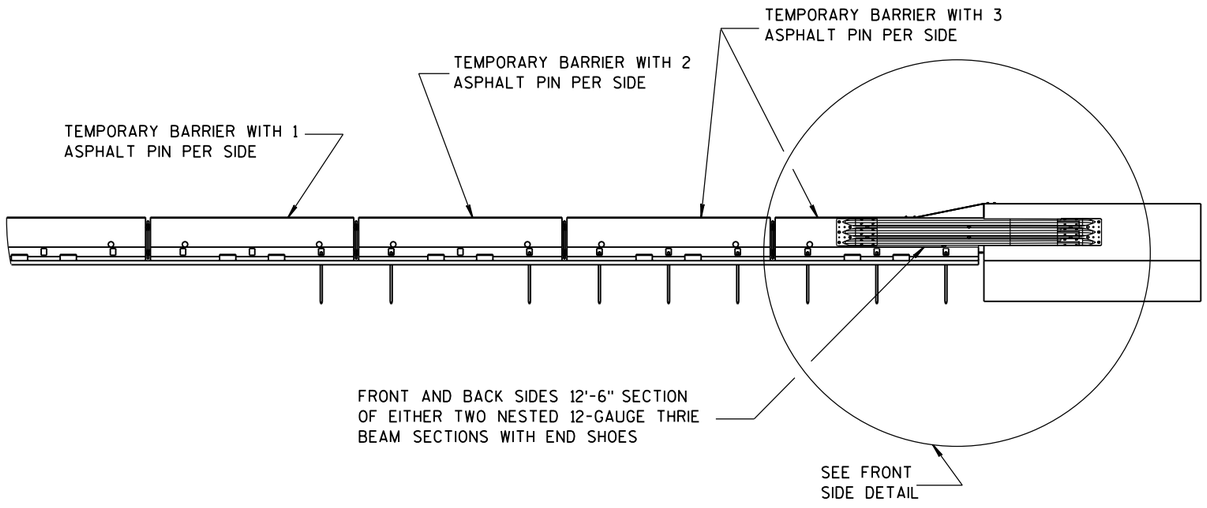
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.

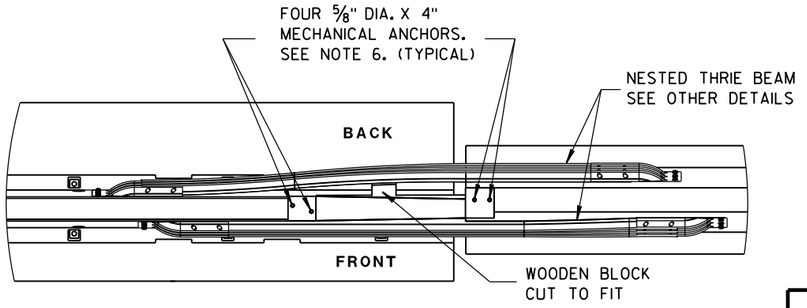
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 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.



BACK VIEW



FRONT VIEW



PLAN VIEW

BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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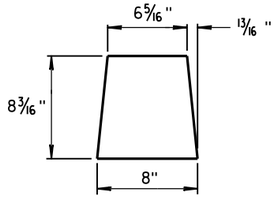
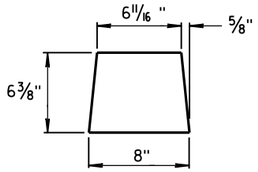
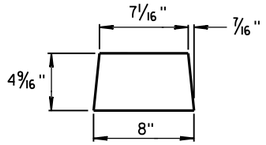
S.D.D. 14 B 7-14e



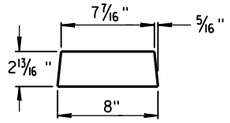
GUSSET 1



GUSSET 2

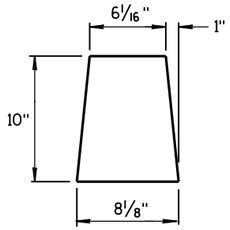


GUSSET 3

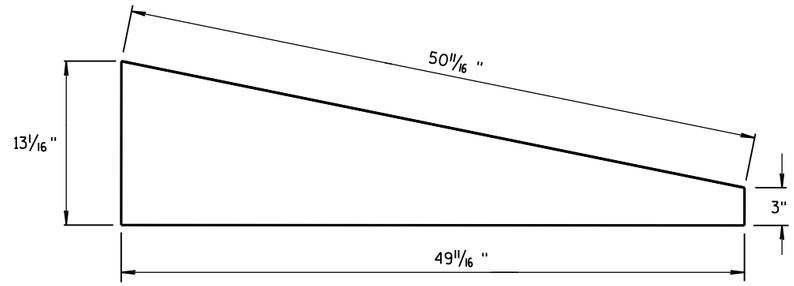


GUSSET 4

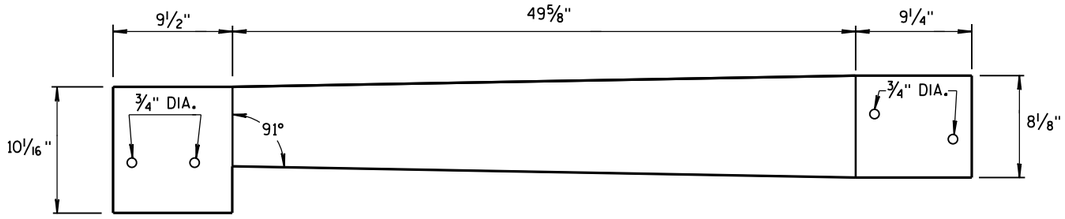
GUSSETS

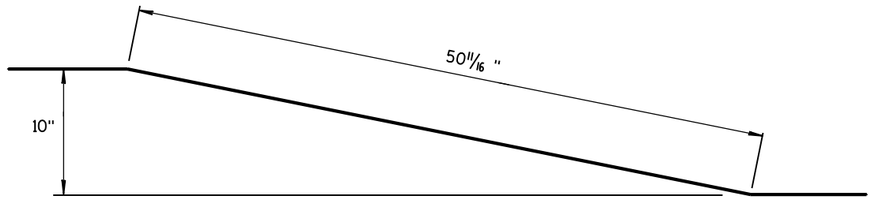


END PLATE



SIDE PLATE

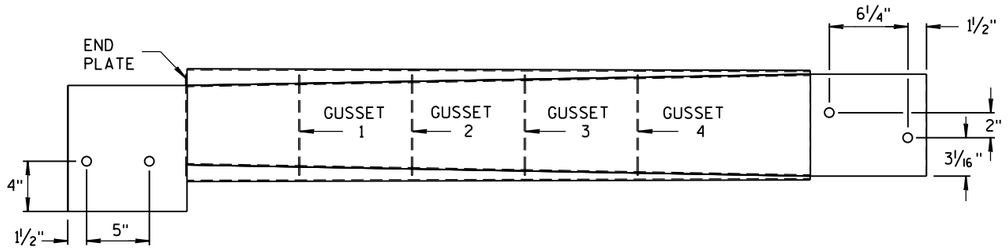


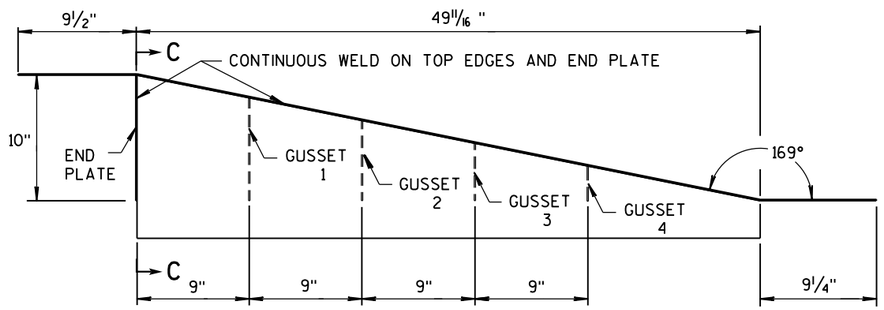


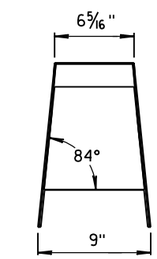
TOP PLATE

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

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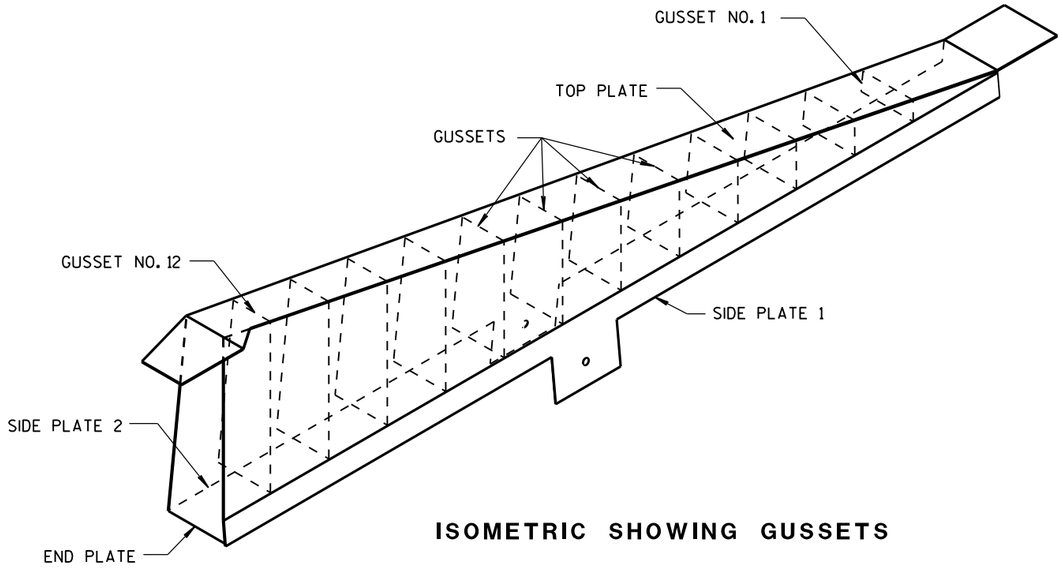
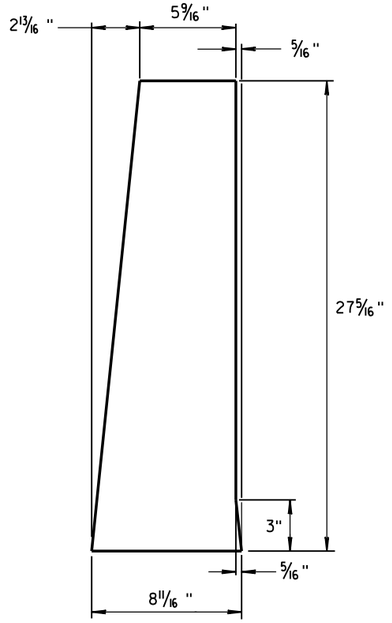
S.D.D. 14 B 7-14f

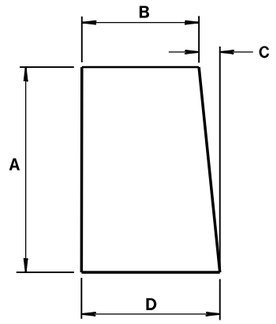


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



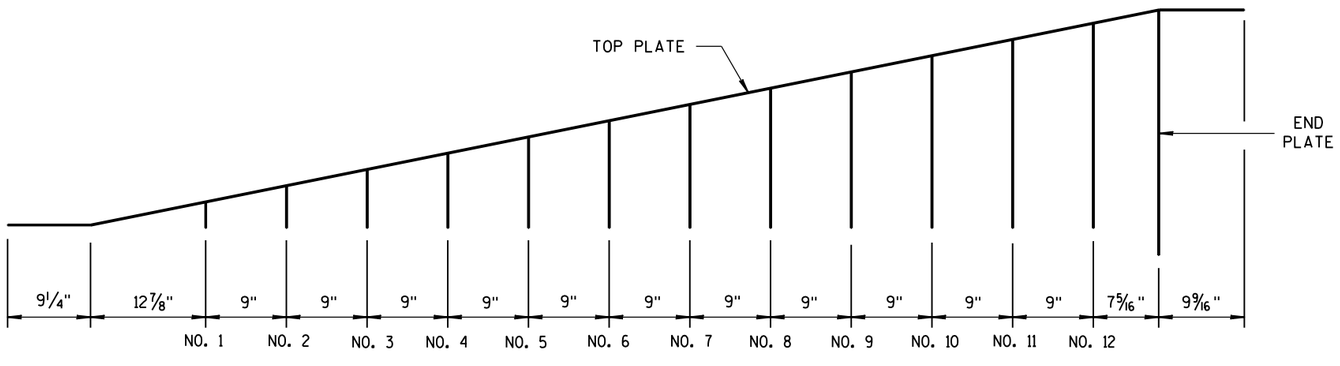
GUSSETS 1 - 12

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

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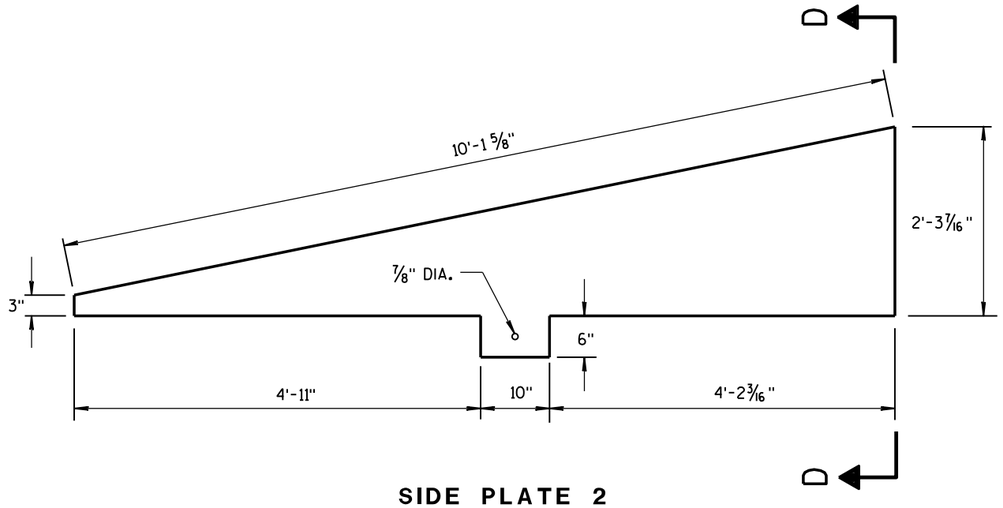
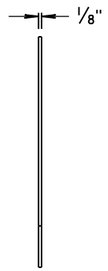
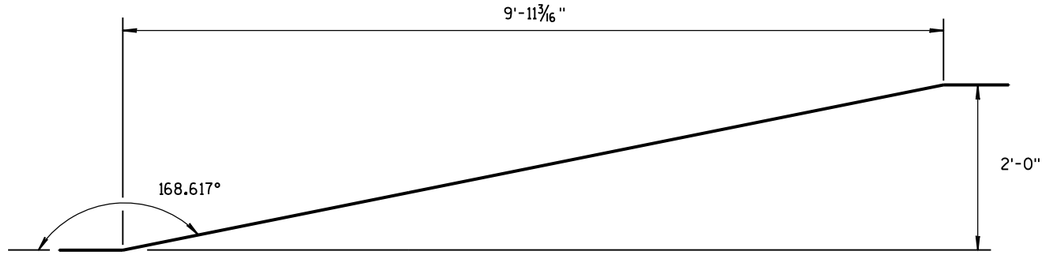
S.D.D. 14 B 7-14g



SIDE PLATE 2

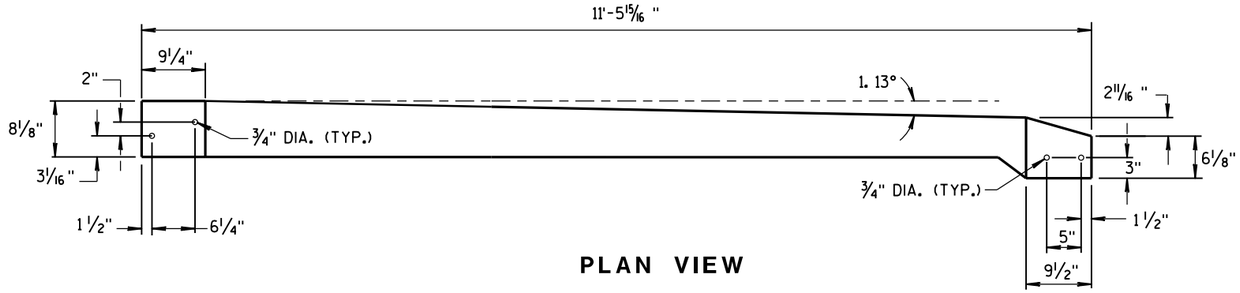


END VIEW



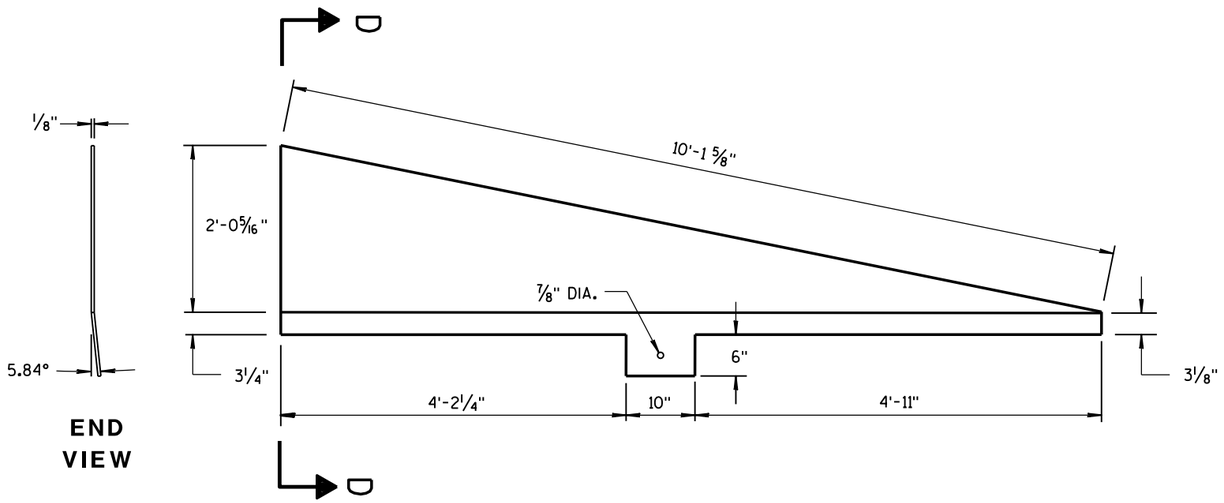
SIDE VIEW

TOP PLATE



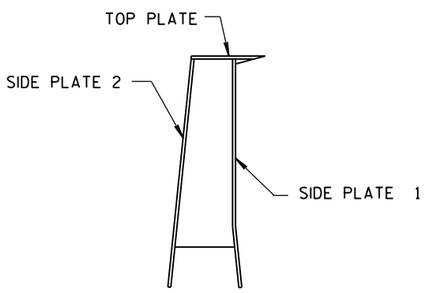
PLAN VIEW

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 2014 — DATE
/S/ Jerry H. Zoaa — ROADWAY STANDARD DEVELOPMENT ENGINEER
FHWA

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S.D.D. 14 B 7-14h

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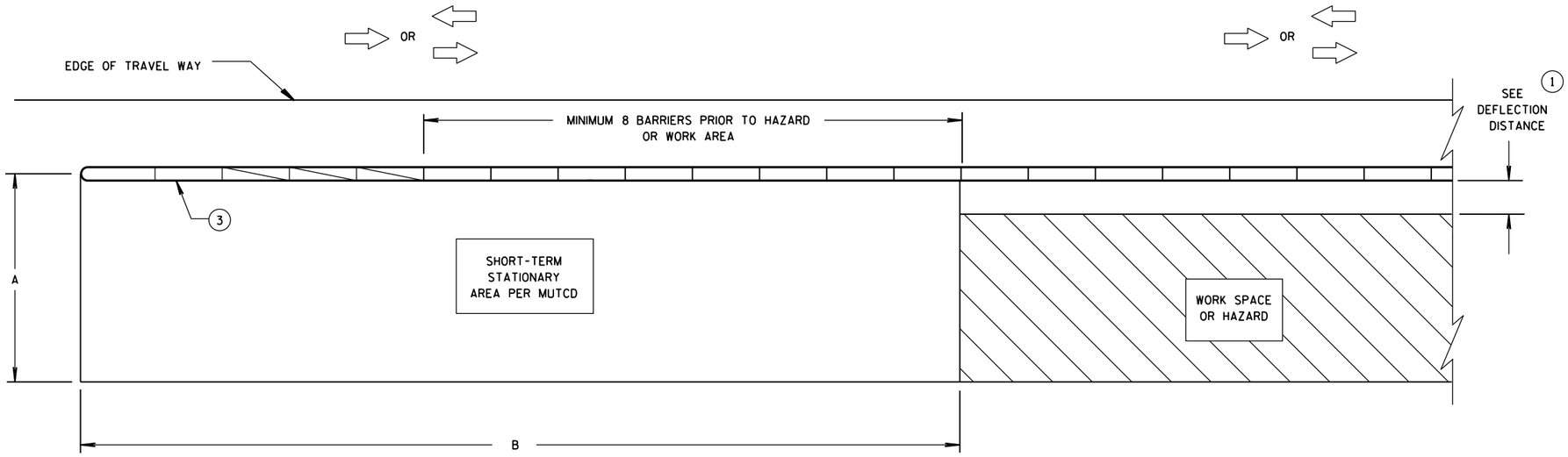
S.D.D. 14 B 7-14h



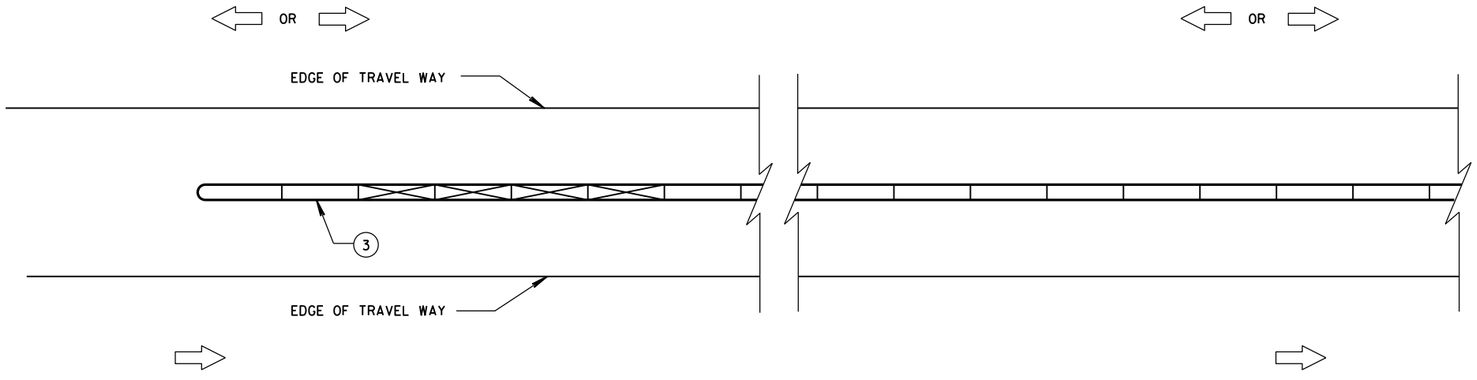
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

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

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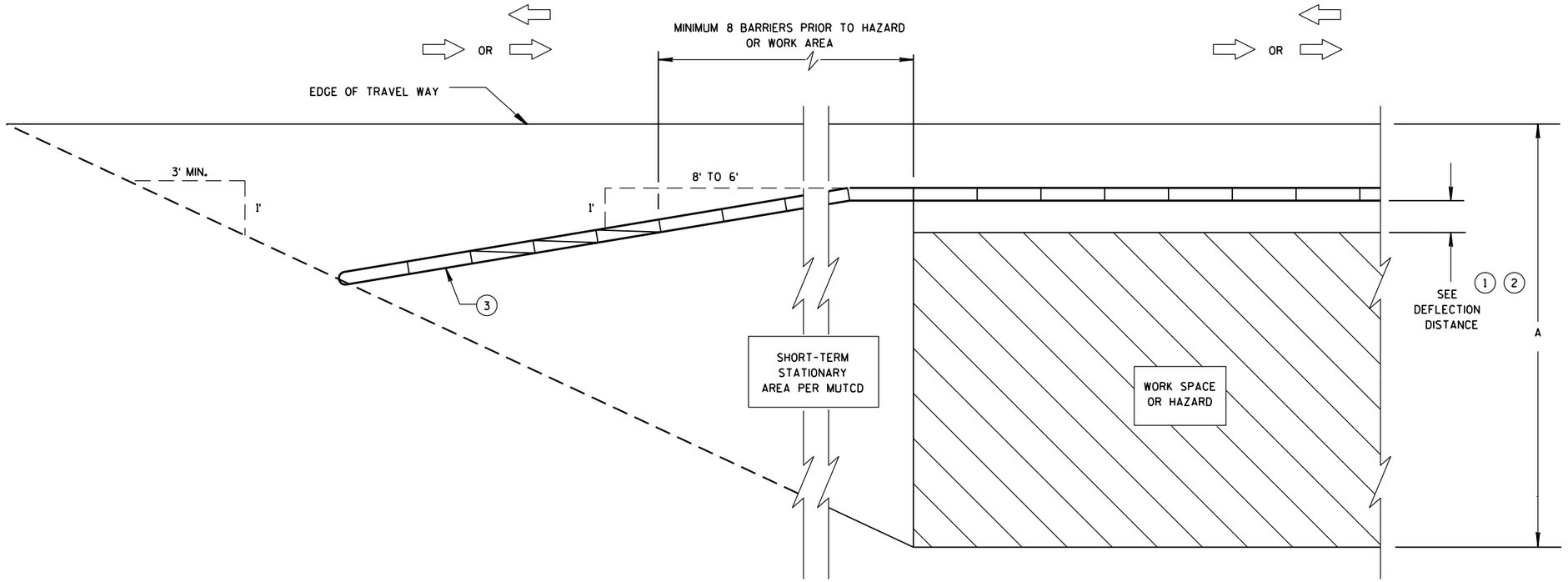
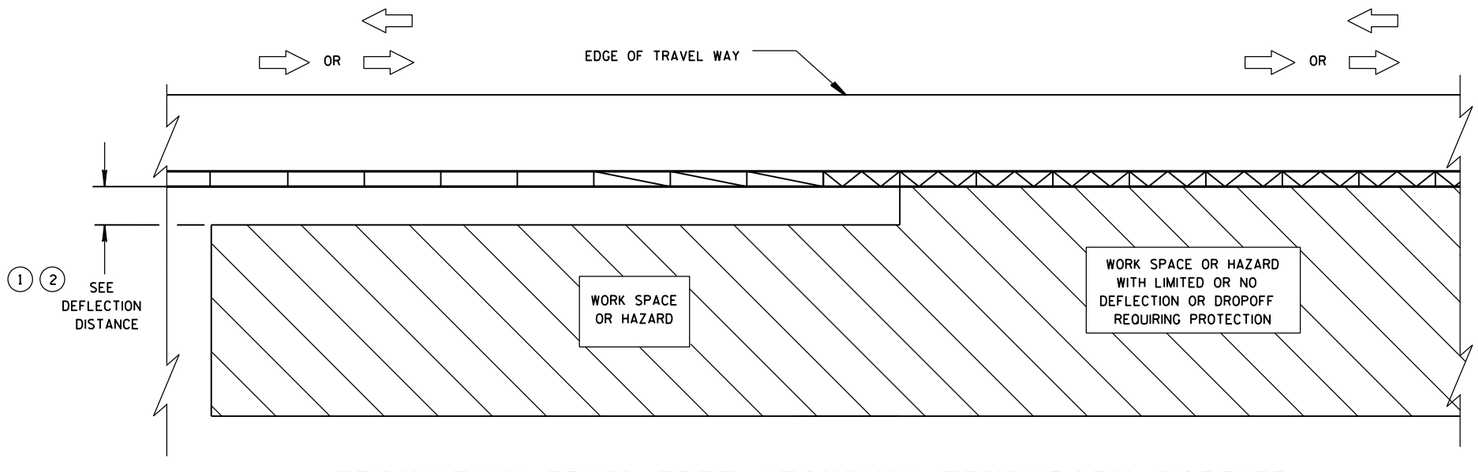


CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



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

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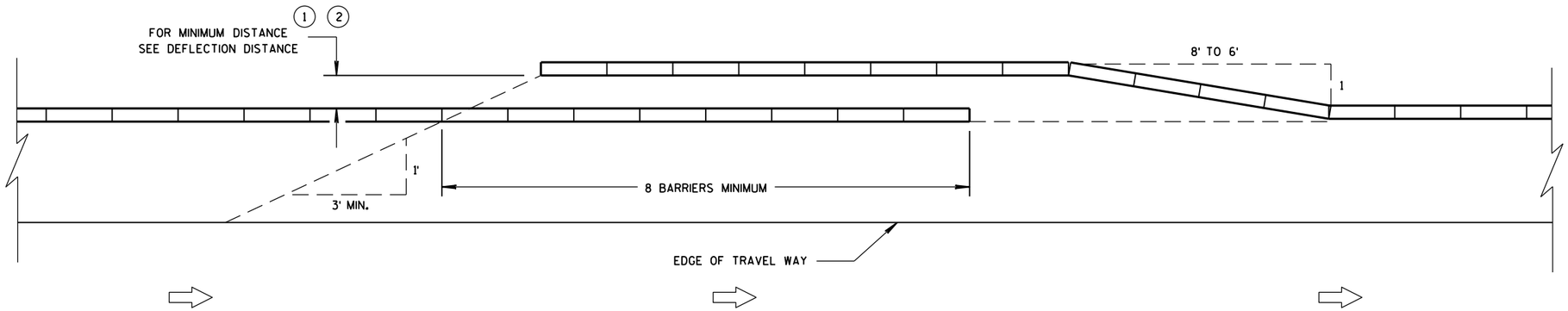
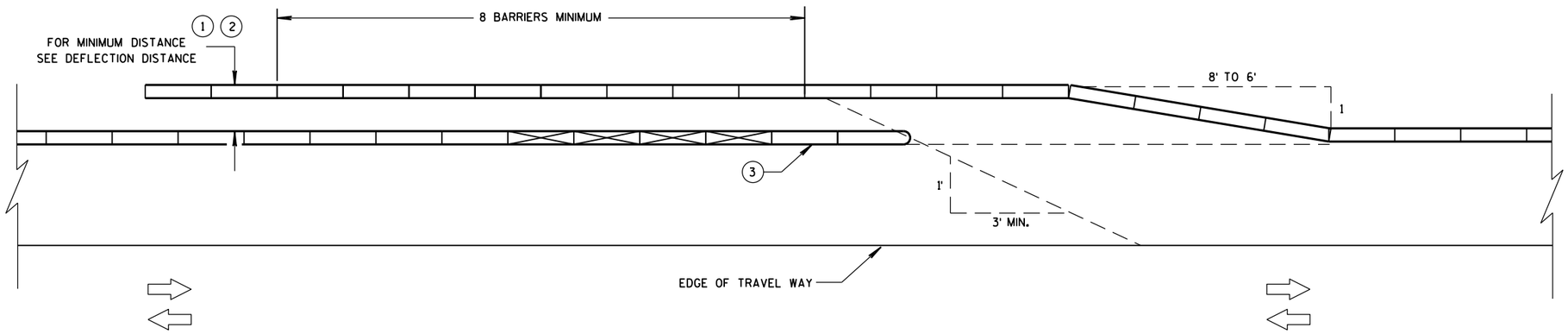
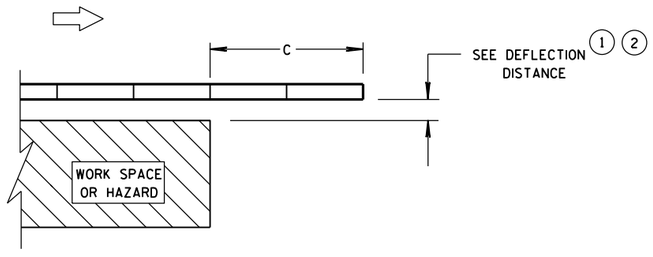
S.D.D. 14 B 8-2b



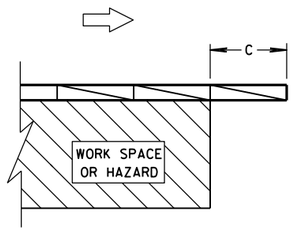
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

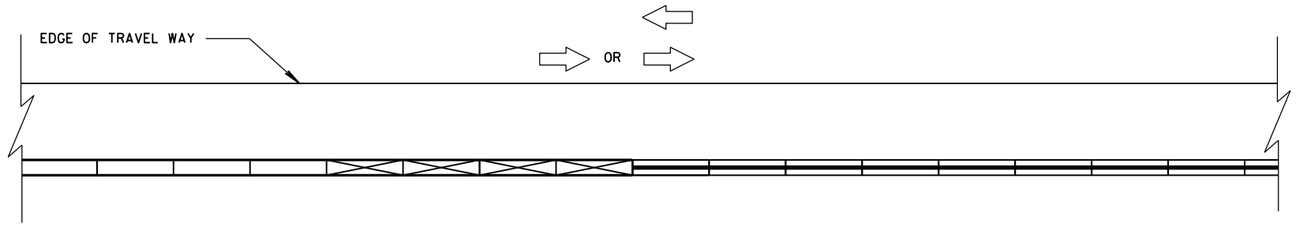
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

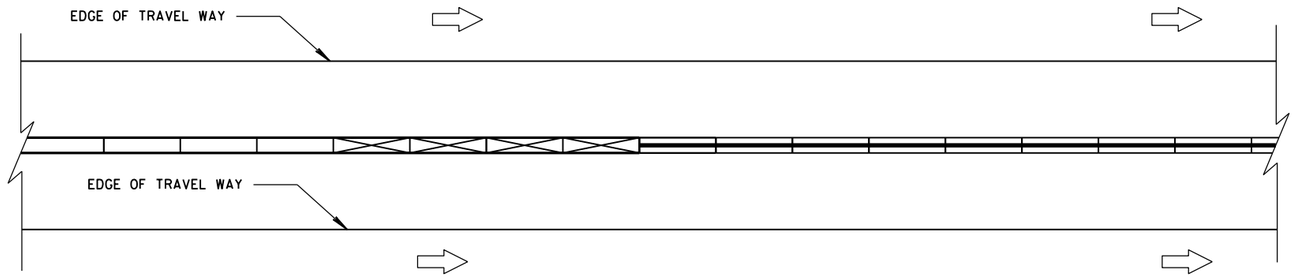
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2c



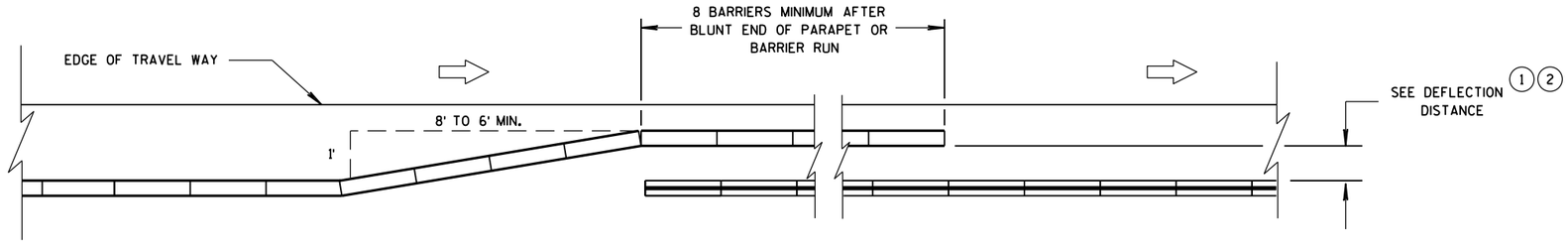
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



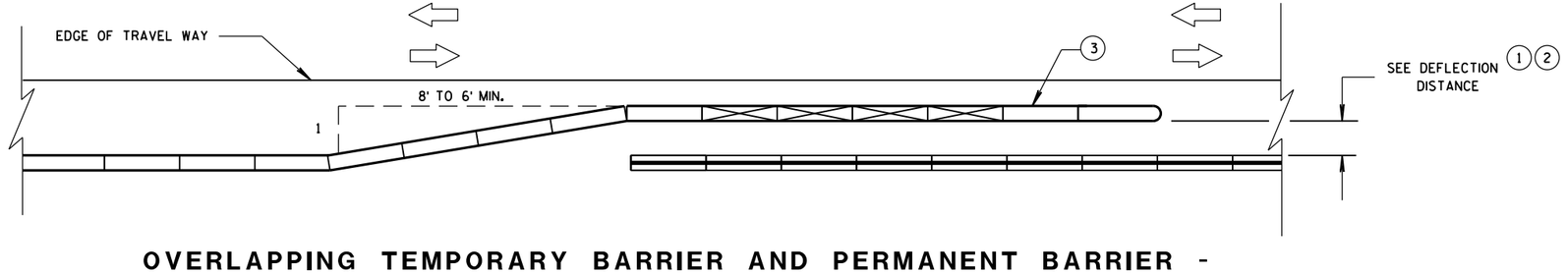
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

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

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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

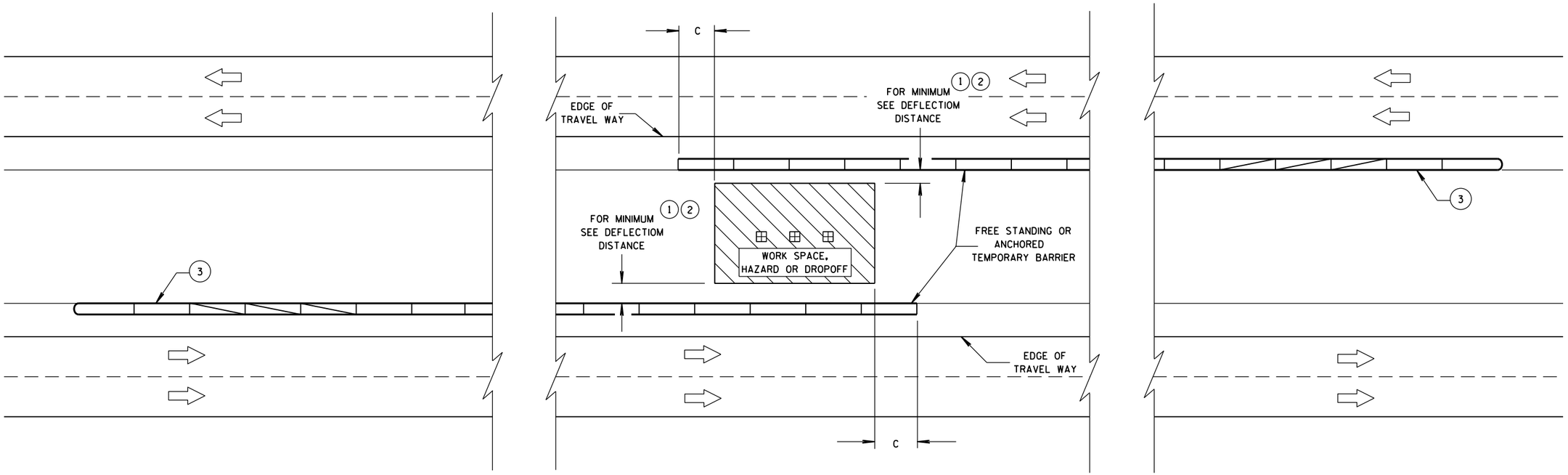
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

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 DEVELOPMENT ENGINNER
FHWA

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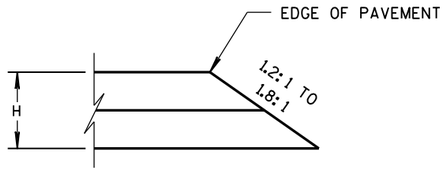
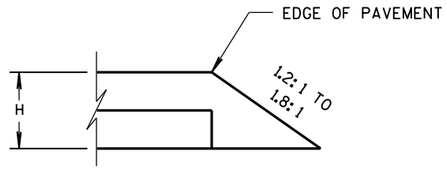
S.D.D. 14 B 8-2e



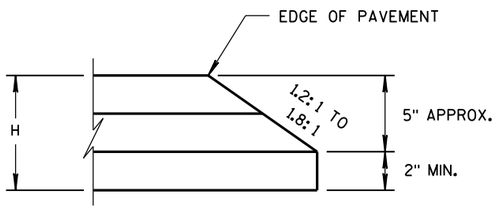
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



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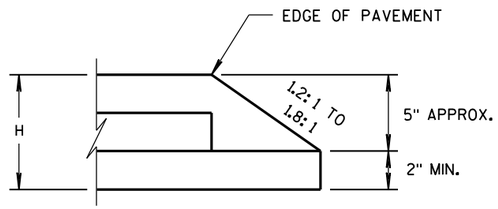
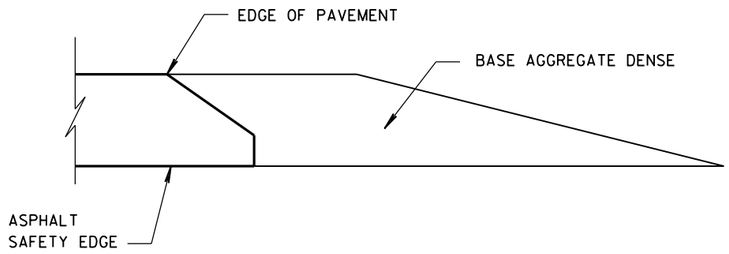
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

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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

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.

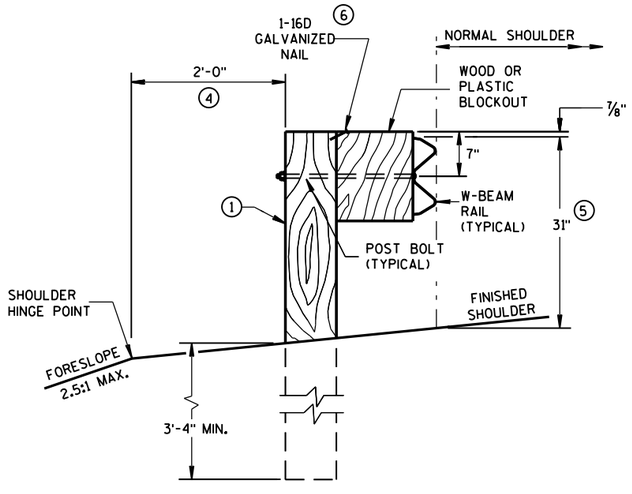
② USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

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).

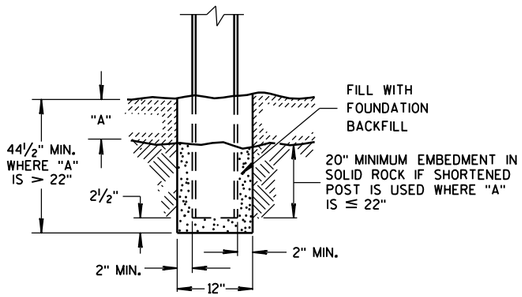
⑤ FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27¾" TO 32".

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.



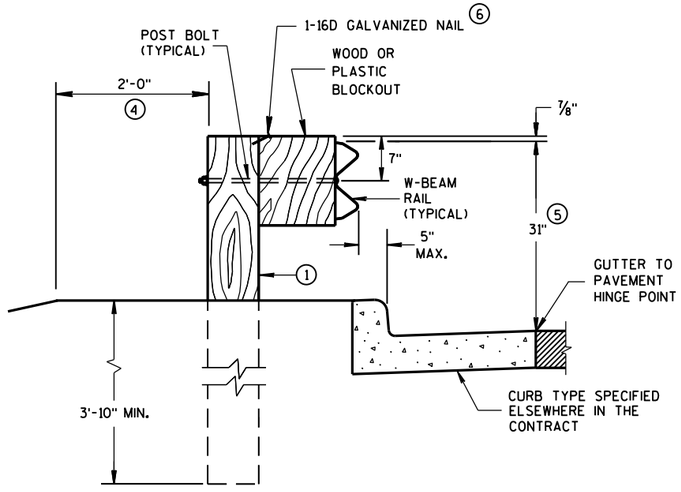
END VIEW

LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



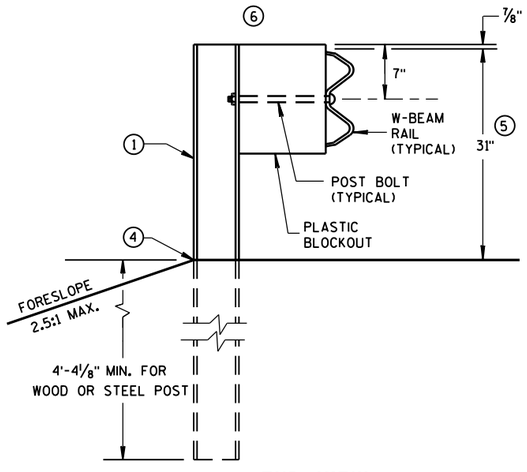
END VIEW

SETTING STEEL OR WOOD POST IN ROCK ③



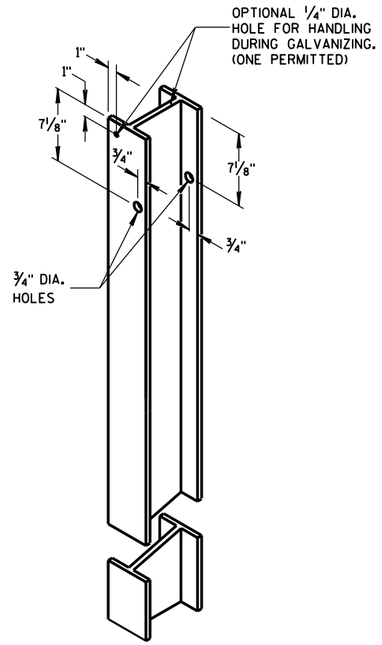
END VIEW

LOCATED ALONG A CURBED ROADWAY

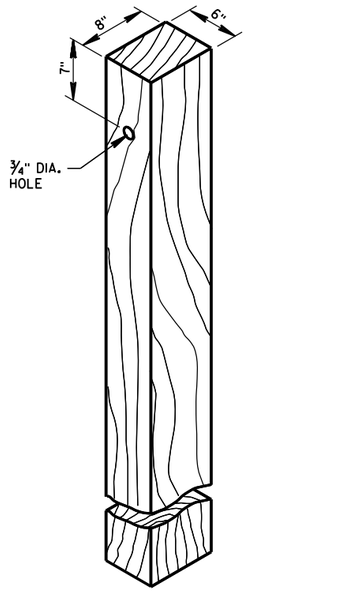


END VIEW

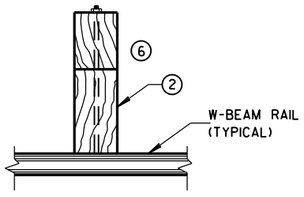
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



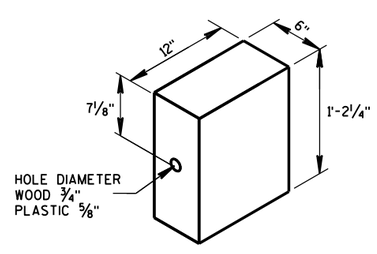
STEEL POST &
HOLE PUNCHING DETAIL
(w6X9) ①



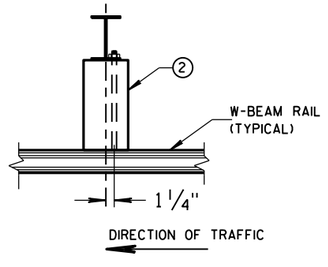
WOOD POST
(6" X 8") NOMINAL ①



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

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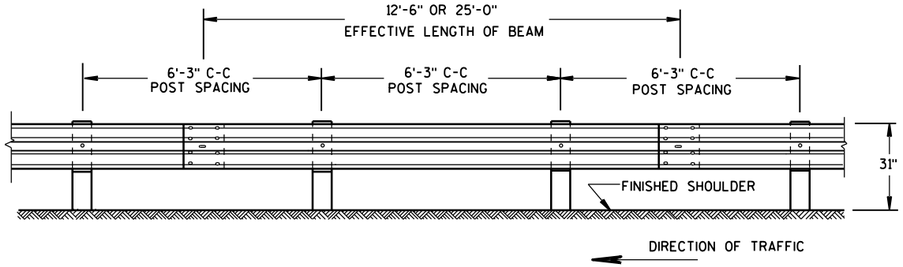
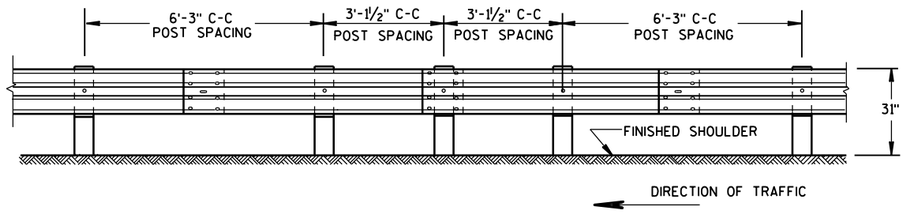


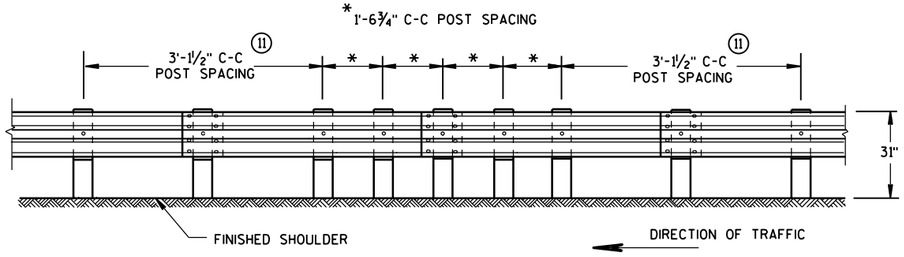
FRONT VIEW

POST SPACING STANDARD INSTALLATION



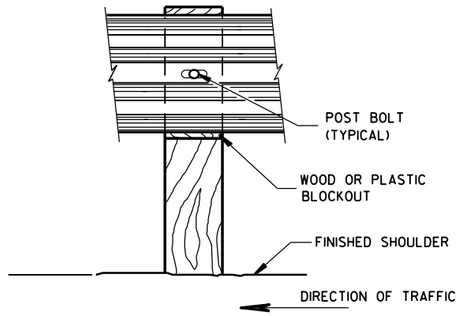
FRONT VIEW

HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)

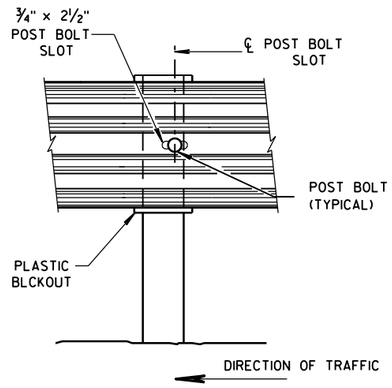


FRONT VIEW

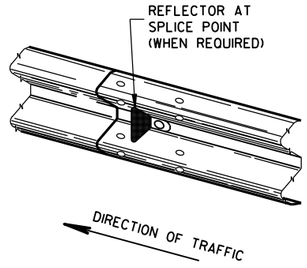
QUARTER POST SPACING (QS)

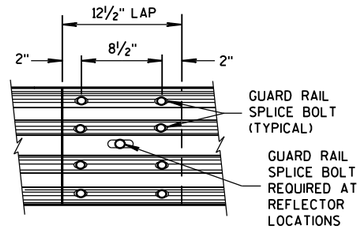


FRONT VIEW AT WOOD POST



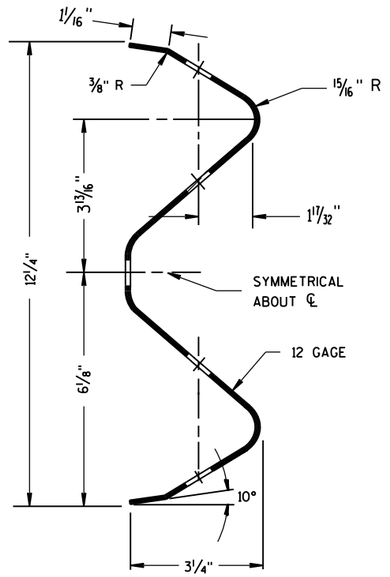
FRONT VIEW AT STEEL POST



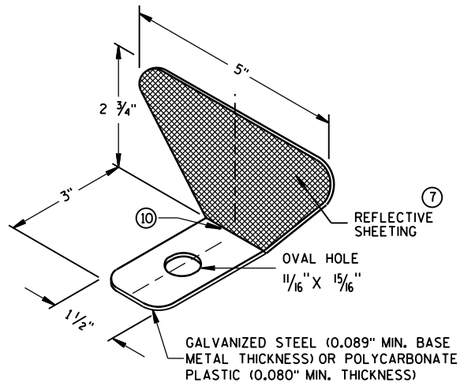


FRONT VIEW

MID-SPAN BEAM SPLICE



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION ⑦

⑦ PROVIDE SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH YELLOW REFLECTIVE SHEETING. SHEETING IS TYPE H. SEE STANDARD SPECIFICATION 637.

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.

⑨ REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.

⑩ PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.

⑪ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

REFLECTOR SPACING ⑧

	BEAM GUARD LENGTH	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	1 1	3
TWO WAY TRAFFIC	< 200' > 200'	25' C-C 50' C-C	1 ⑨ 1	6
TWO WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	2 2 ⑩	3

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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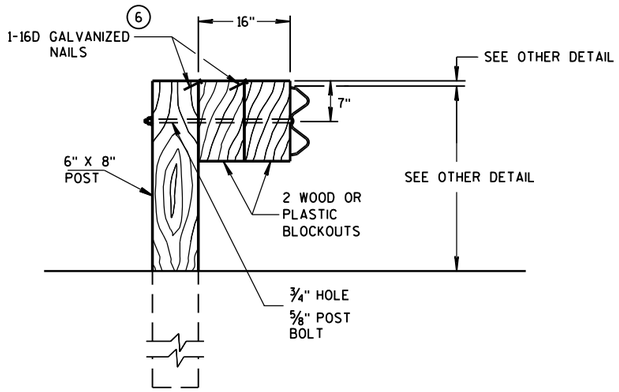
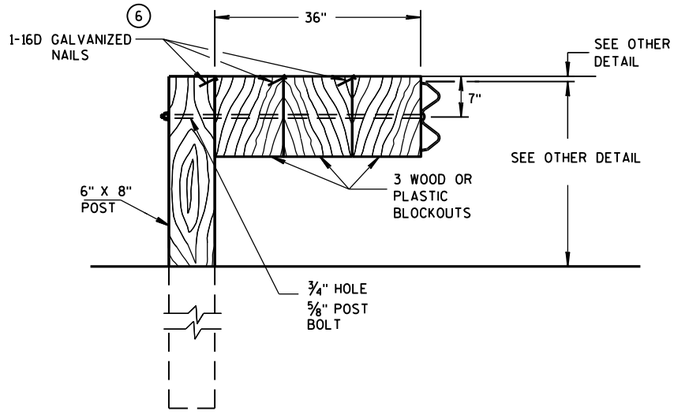


DETAIL FOR 16" BLOCKOUT DEPTH

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.

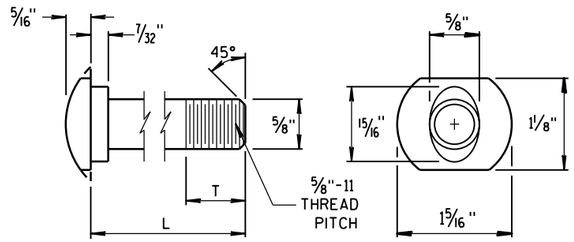


DETAIL FOR 36" BLOCKOUT DEPTH

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.

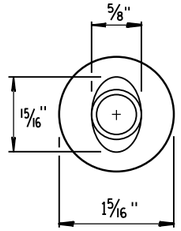
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

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.

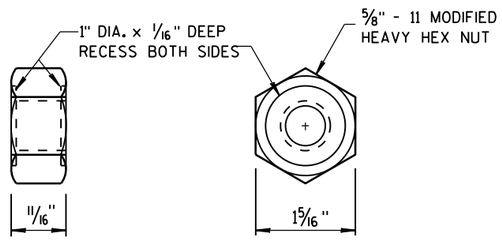


POST BOLT TABLE

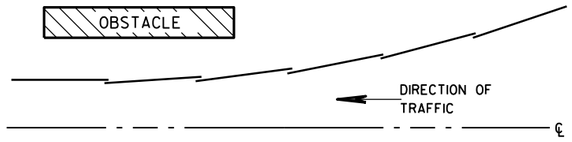
L	T (MIN.)
1¼"	1⅛"
2"	1¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



ALTERNATE BOLT HEAD

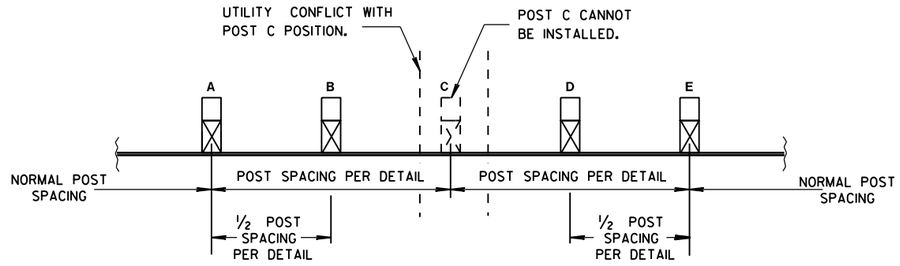


POST BOLT, SPLICE BOLT AND RECESS NUT

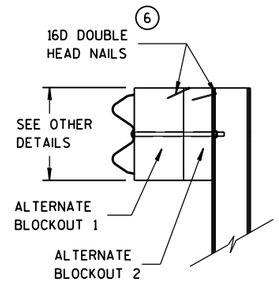


PLAN VIEW

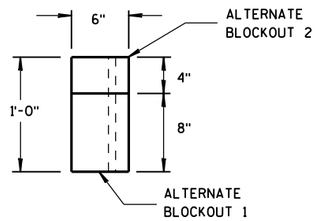
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



SIDE VIEW



TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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.

(D) THE TOP OF THE STEEL TUBE ON POST 1 AND POST 2 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.

(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

(G) ½" DIAMETER X 3" LONG LAG BOLT AND WASHER.

(H) HARDWARE VARIES BETWEEN DIFFERENT MANUFACTURES. SEE MANUFACTURE'S DRAWING FOR INFORMATION.

(I) DIMENSIONS MAY VARY. SEE MANUFACTURE'S INFORMATION.

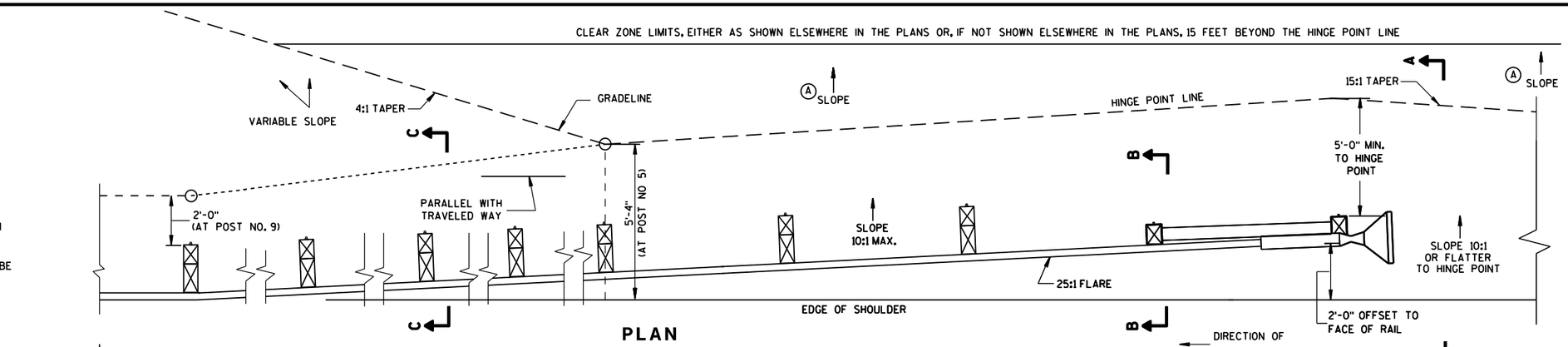
SEE SDD 14B42 FOR MORE INFORMATION.

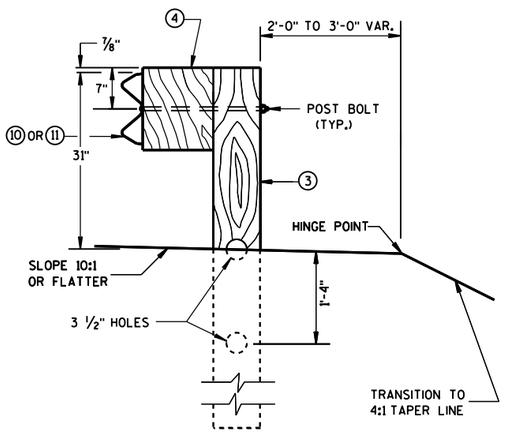
* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

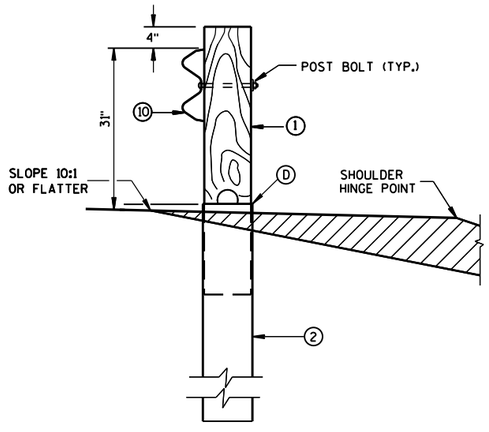
W-BEAM RAIL SPLICES ARE LOCATED AT POST NUMBER 3, AND BETWEEN POST 5 AND 6, BETWEEN POSTS 7 AND 8, AND MIDDLE OF THE SPAN AFTER POST 9.

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.

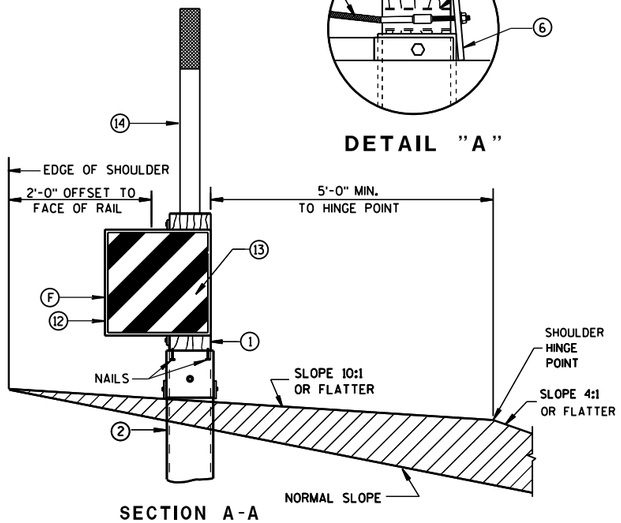




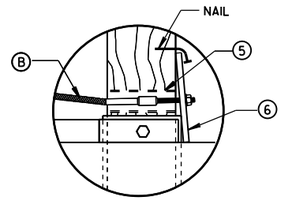
SECTION C-C
TYPICAL AT POST NOS. 3-9



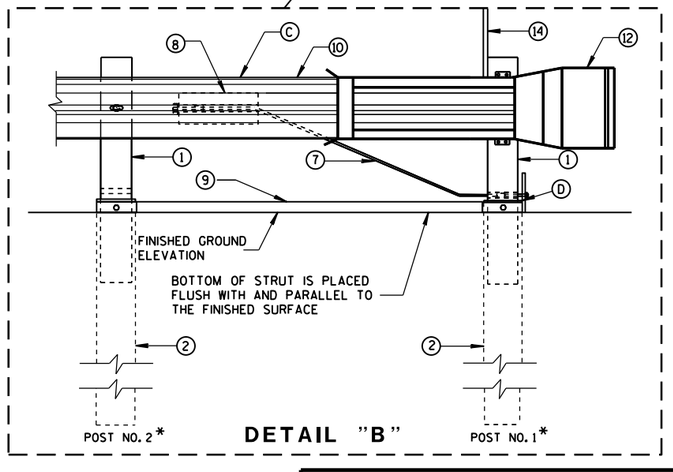
SECTION B-B
TYPICAL AT POST NO. 2*



SECTION A-A
TYPICAL AT POST NO. 1*



DETAIL "A"



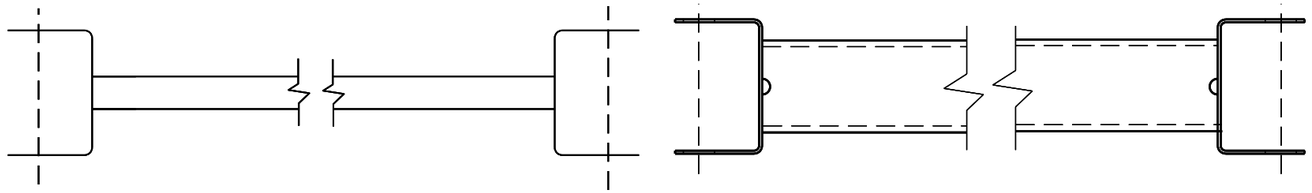
DETAIL "B"

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

S.D.D. 14 B 44-2a

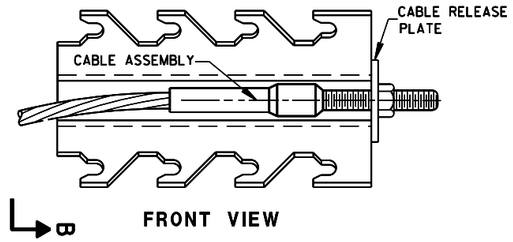
S.D.D. 14 B 44-2a



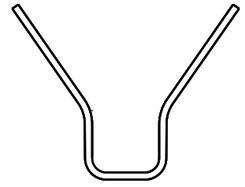
GENERIC GROUND STRUT (9) (H)

BILL OF MATERIALS

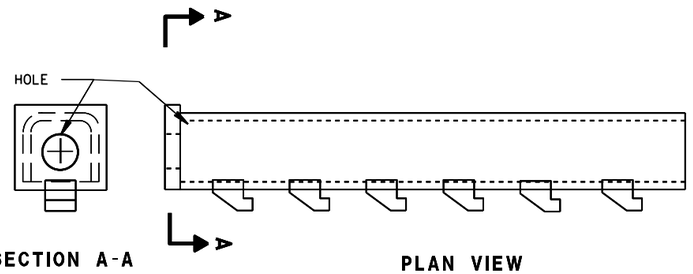
PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
(1)	WOOD BREAKAWAY POST
(2)	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1 AND 2
(3)	WOOD CRT
(4)	WOOD BLOCKOUT
(5)	PIPE SLEEVE
(6)	BEARING PLATE
(7)	BCT CABLE ASSEMBLY
(8)	ANCHOR 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)	END SECTION EAT
(13)	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS
(14)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)



FRONT VIEW



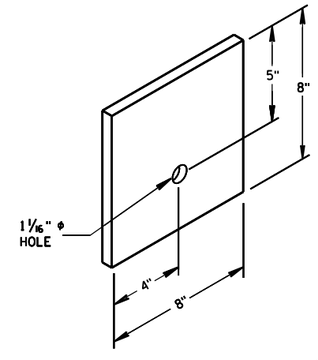
SECTION B-B



SECTION A-A

PLAN VIEW

GENERIC ANCHOR CABLE BOX (8) (H)



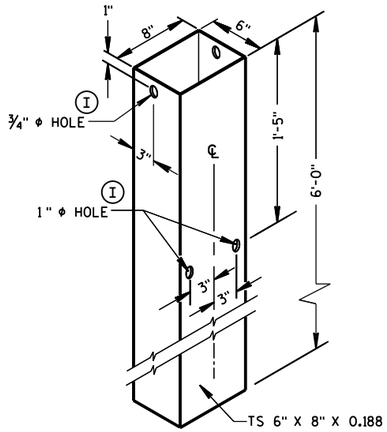
BEARING PLATE (6)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

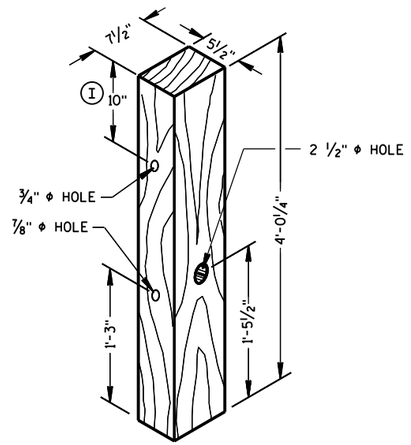
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 44-2b

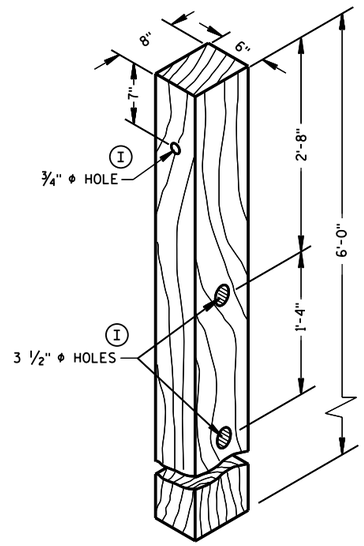


FOUNDATION TUBE (2)



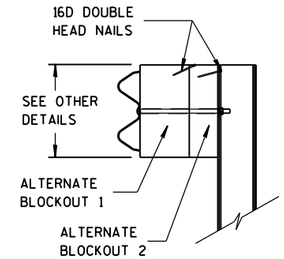
POSTS NUMBER 1 AND 2

WOOD BREAKAWAY POST (1)

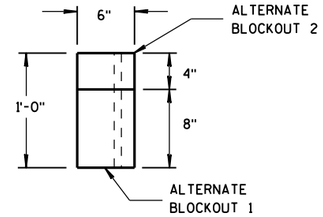


POSTS NUMBER 3-9

WOOD CRT POST (3)

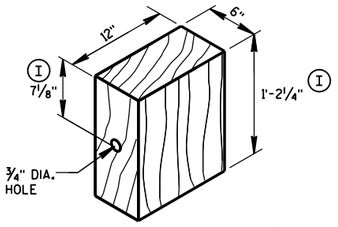


SIDE VIEW



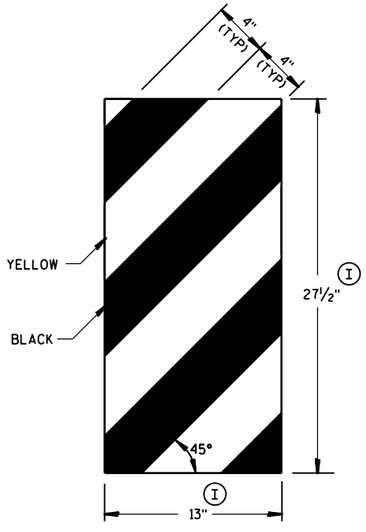
TOP VIEW

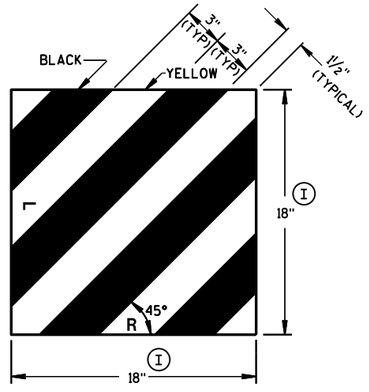
ALTERNATE WOOD BLOCKOUT DETAIL



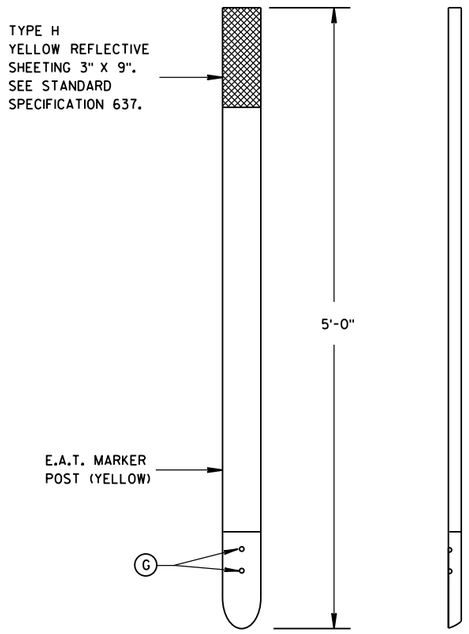
WOOD BLOCKOUT (4)

REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2





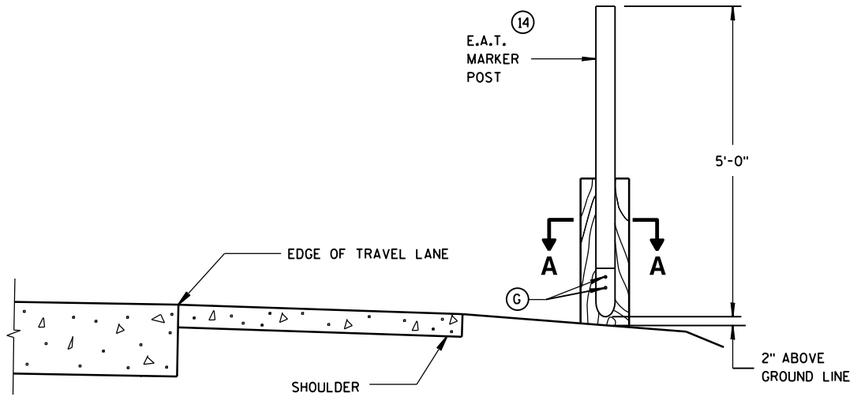
GENERIC REFLECTIVE SHEETING (13) (H)



FRONT VIEW

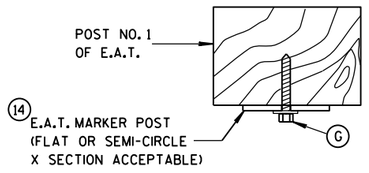
SIDE VIEW

E.A.T. MARKER POST (14)



TYPICAL INSTALLATION OF E.A.T. MARKER POST BACKSIDE OF POST NO. 1

(E.A.T. AND RAIL REMOVED FOR CLARITY)



SECTION A-A

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

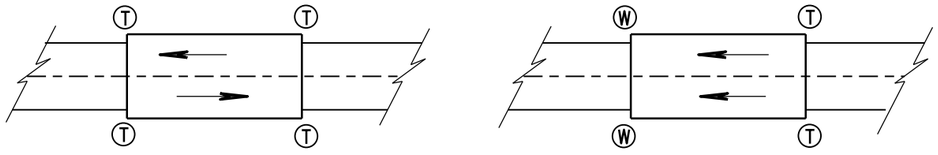
225

6

S.D.D. 14 B 44-2c

6

S.D.D. 14 B 44-2c



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

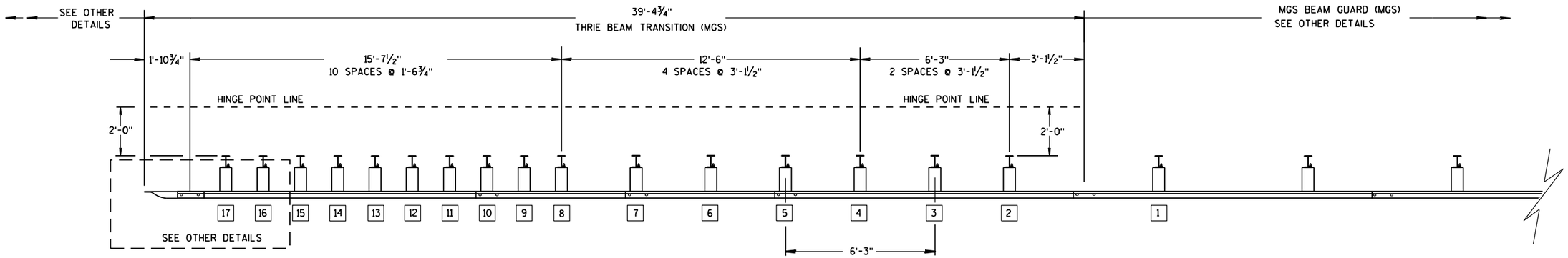
IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

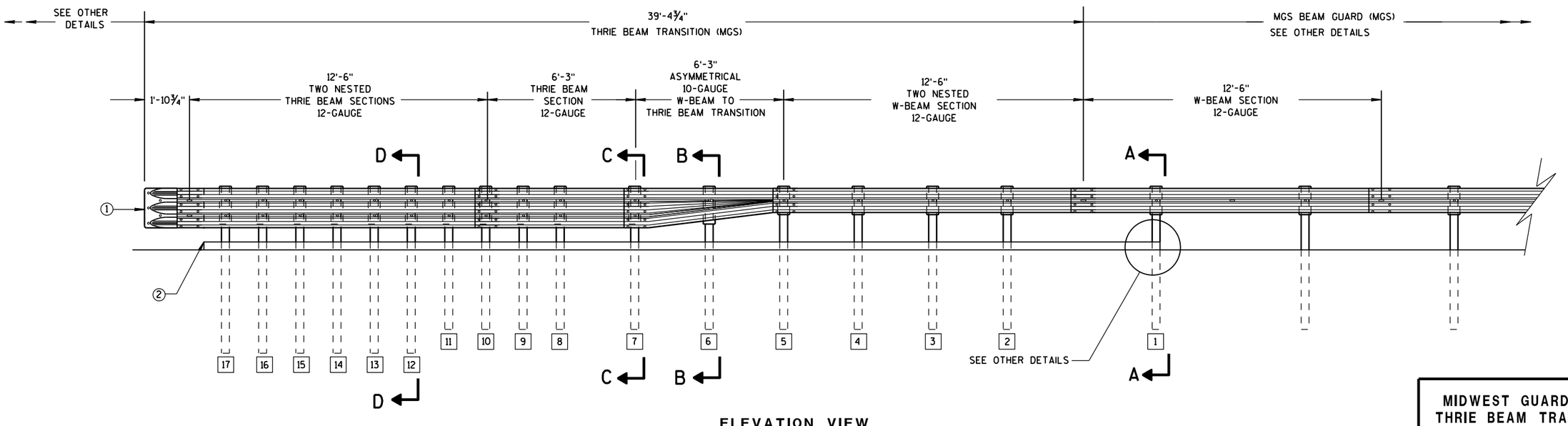
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

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 TRANSPOI

6

S.D.D. 14 B 45-4a

6

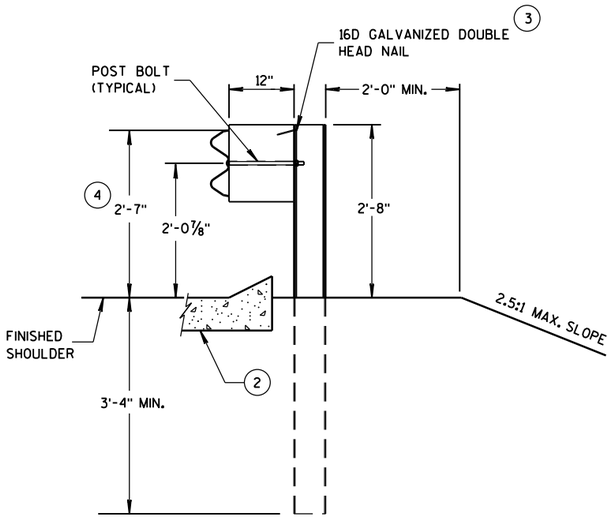
S.D.D. 14 B 45-4a

GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE_FEATURE SEE PLAN FOR INFORMATION.

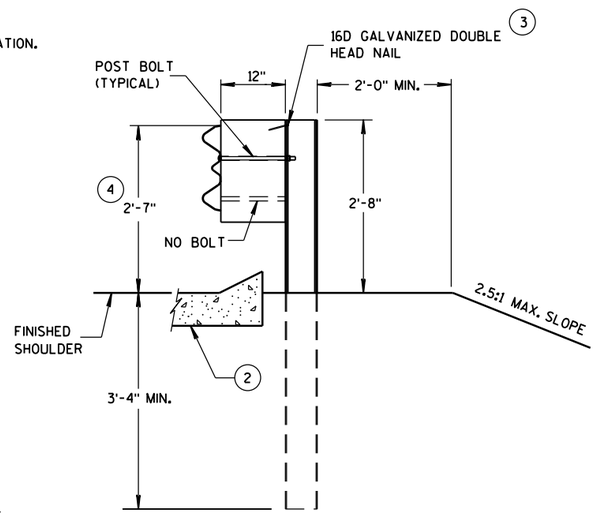
(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



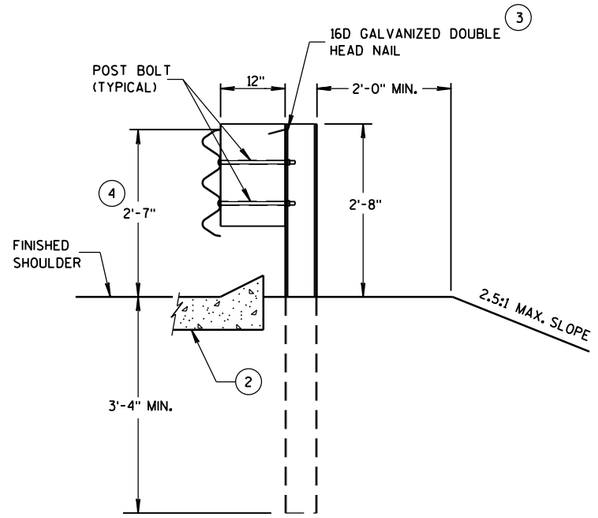
SECTION A-A

POSTS 1-5



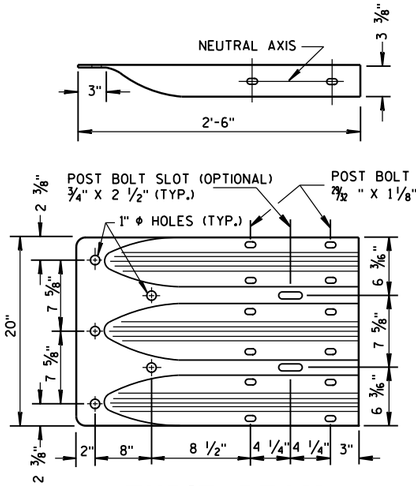
SECTION B-B

POST 6



SECTION C-C

POSTS 7-11



THRIE BEAM TERMINAL CONNECTOR

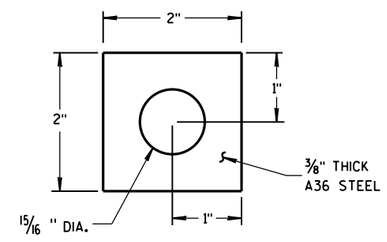
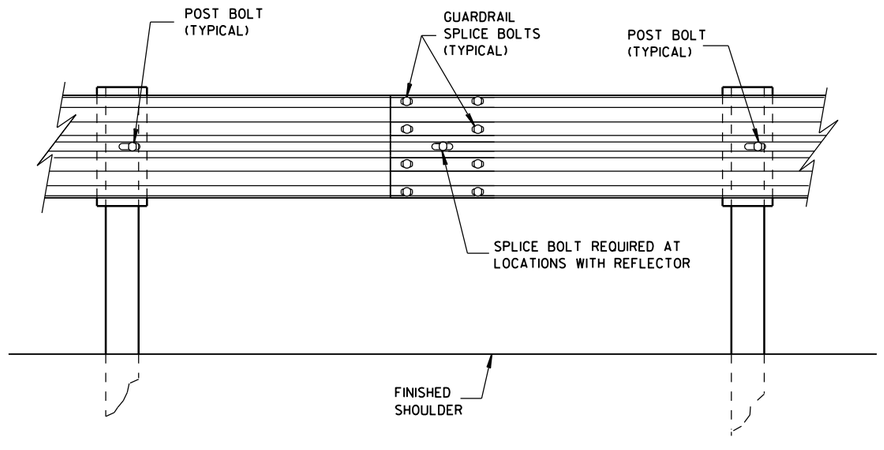
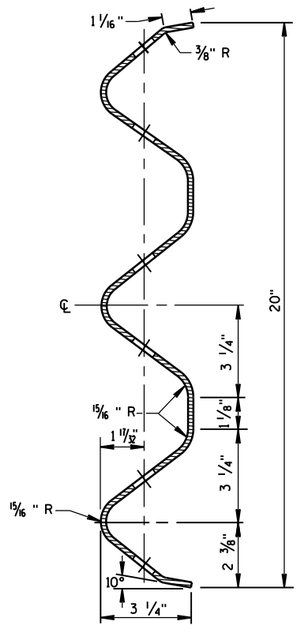


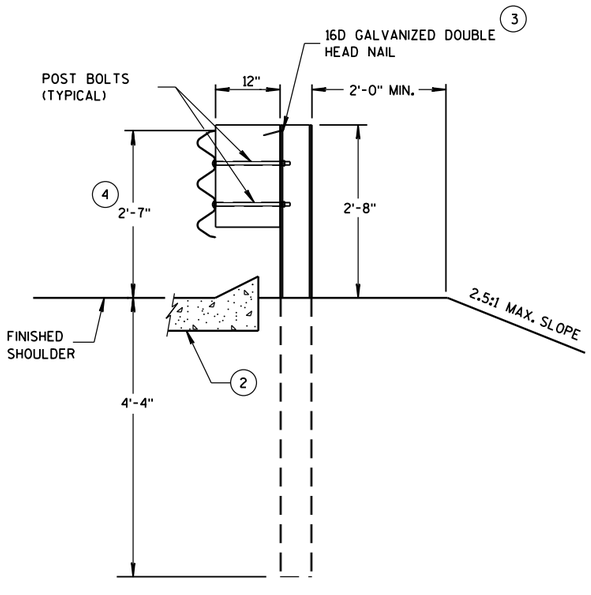
PLATE WASHER DETAIL



SPLICE DETAIL



SECTION THRU THRIE BEAM RAIL ELEMENT



SECTION D-D

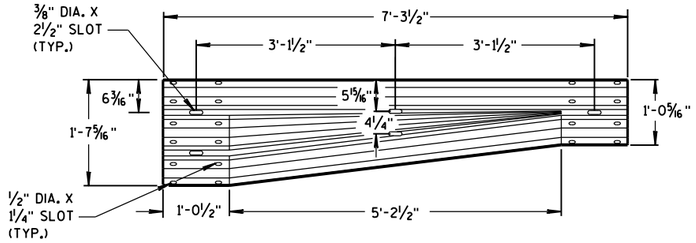
POSTS 12-17

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

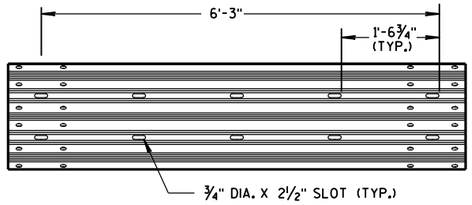
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

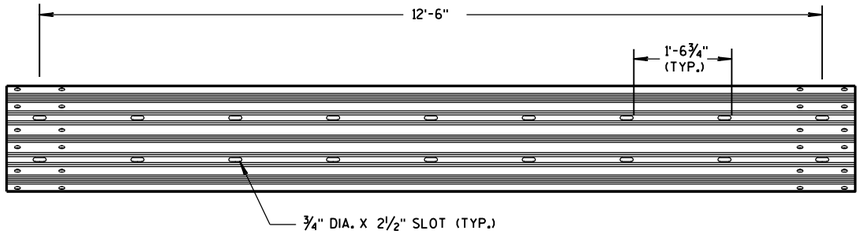
S.D.D. 14 B 45-4b



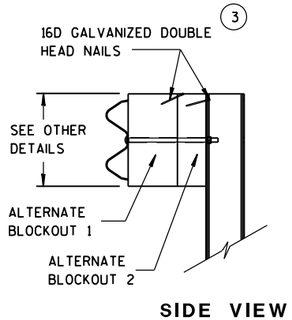
W-BEAM TO THRIE BEAM TRANSITION SECTION



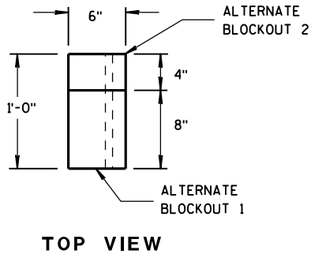
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

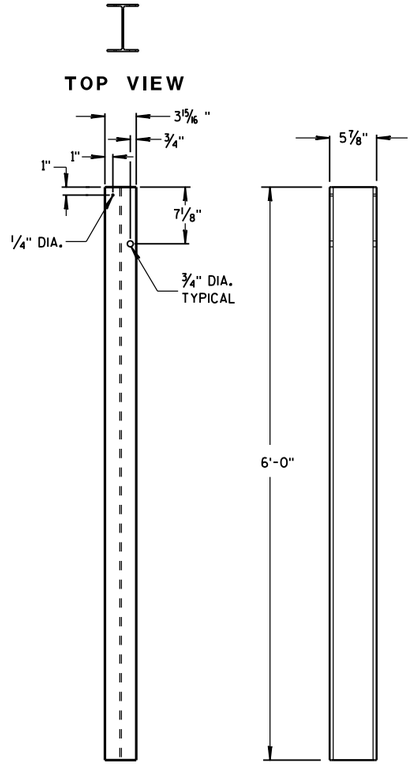


SIDE VIEW

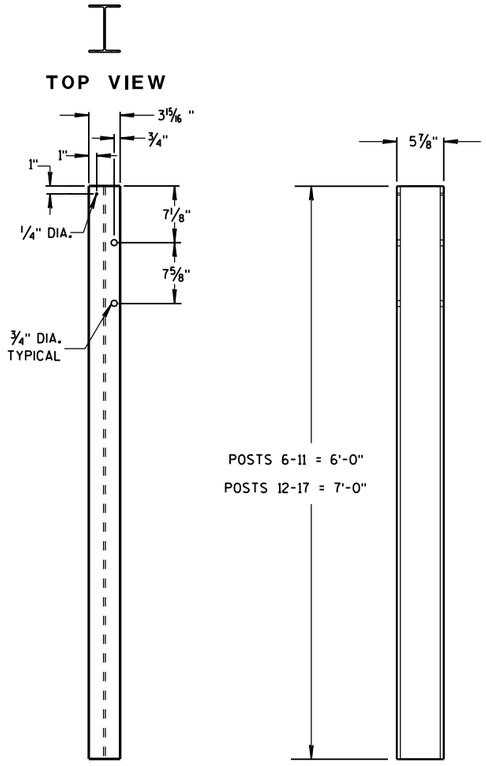


TOP VIEW

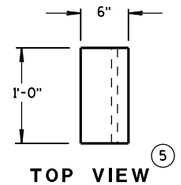
ALTERNATE WOOD BLOCKOUT DETAIL



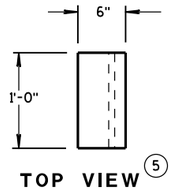
STEEL POSTS 1-5



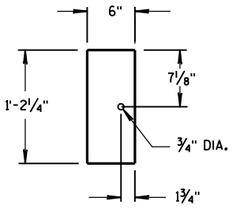
STEEL POSTS 6-17



TOP VIEW (5)

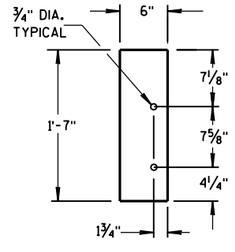


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



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 TRANSPOI

6

S.D.D. 14 B 45-4c

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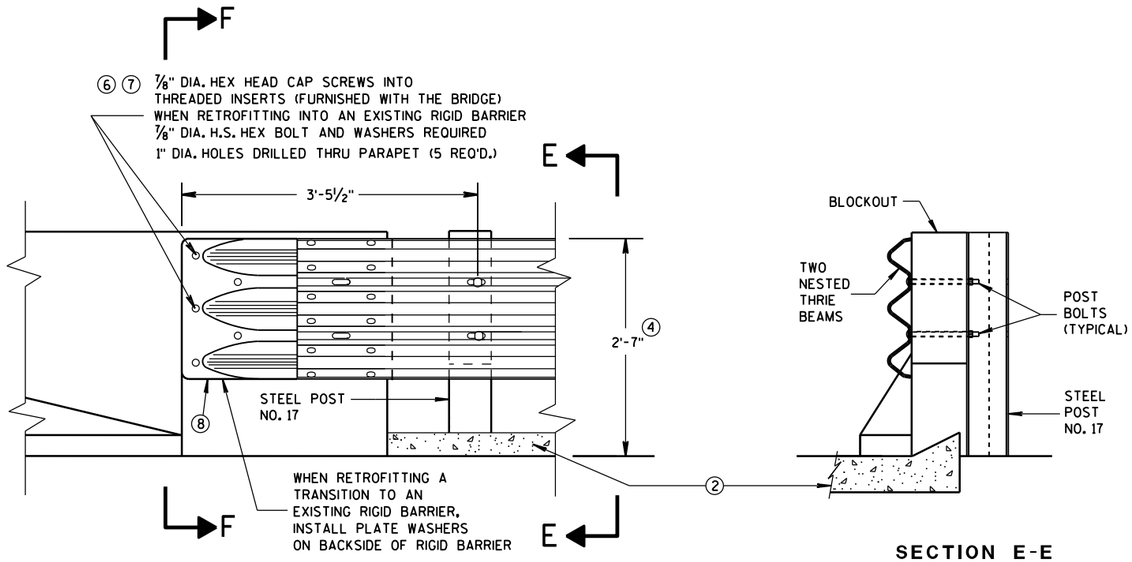
S.D.D. 14 B 45-4c



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.

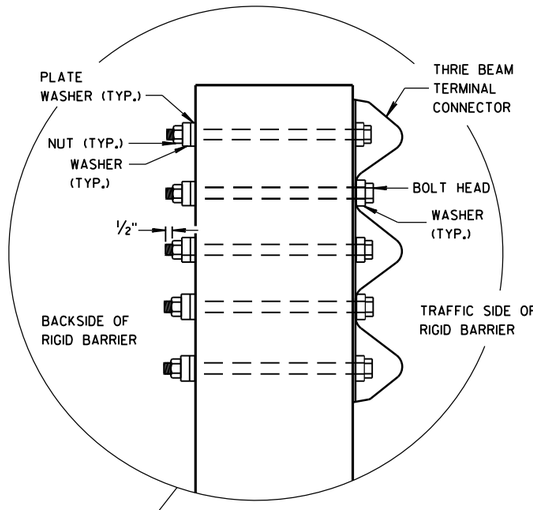
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

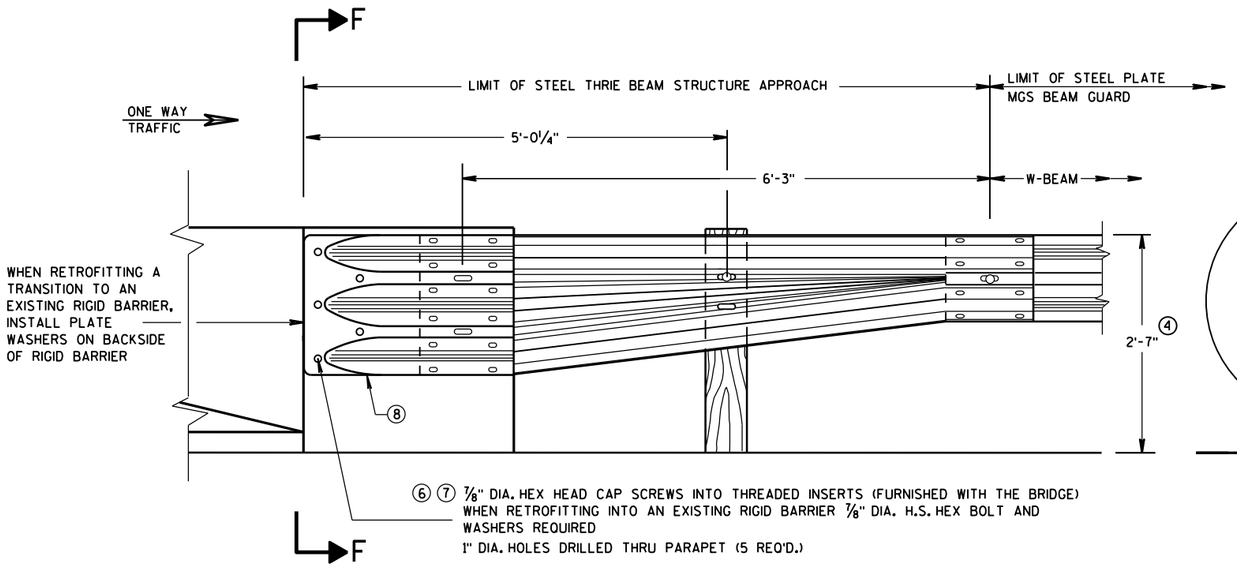
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

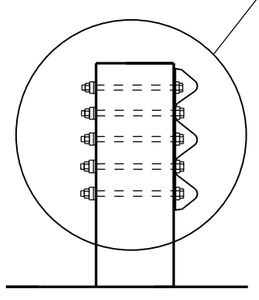
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. 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".

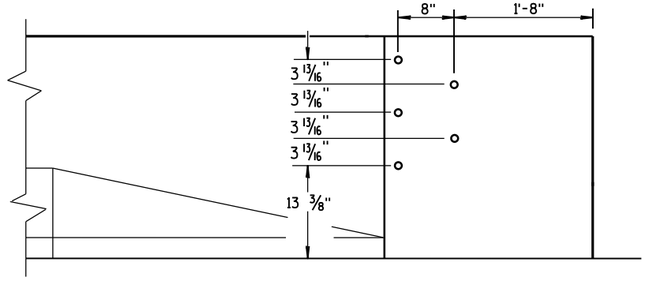




FRONT VIEW



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
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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.

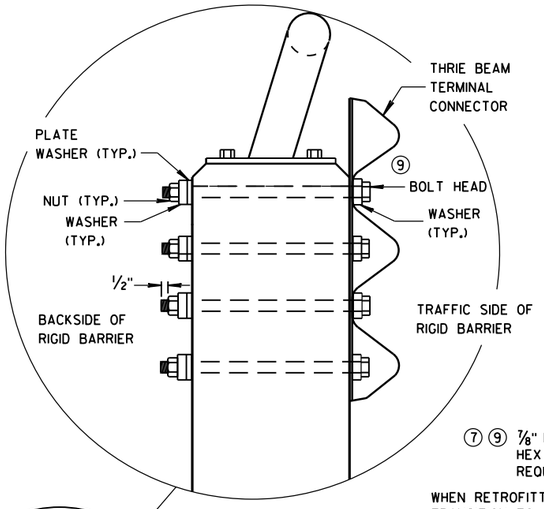
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

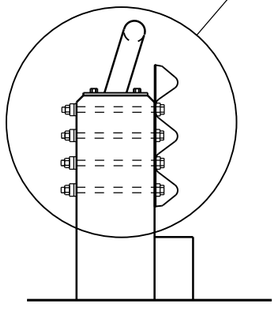
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(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.

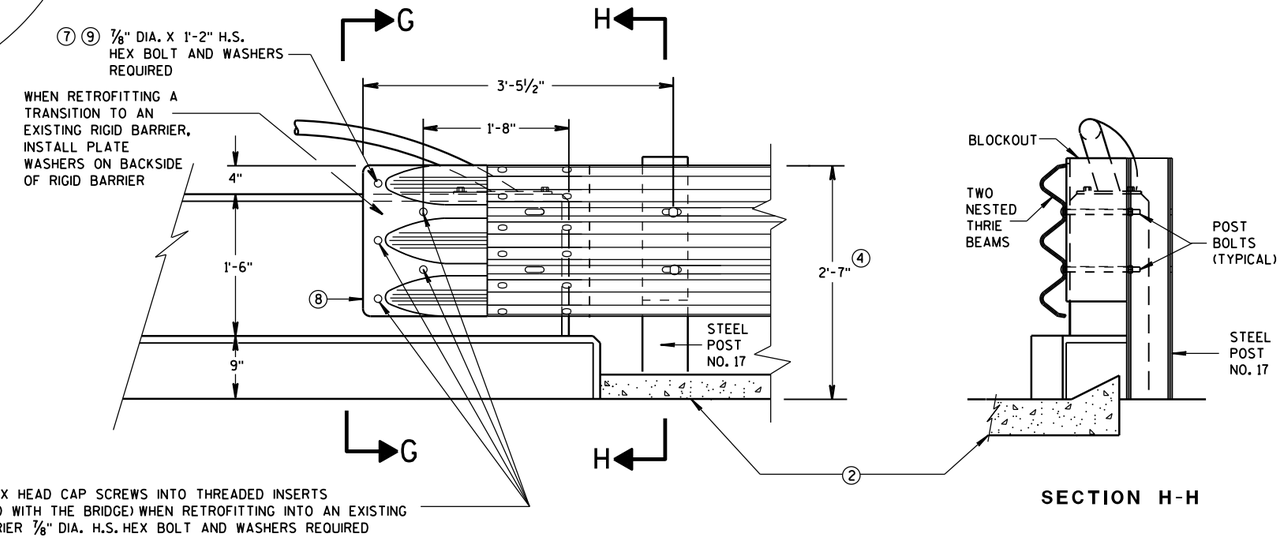
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

(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.





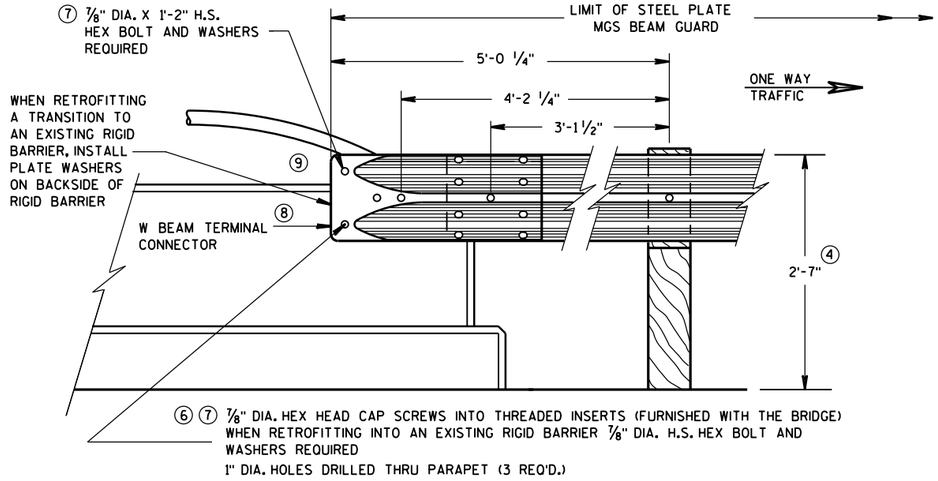
SECTION G-G



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
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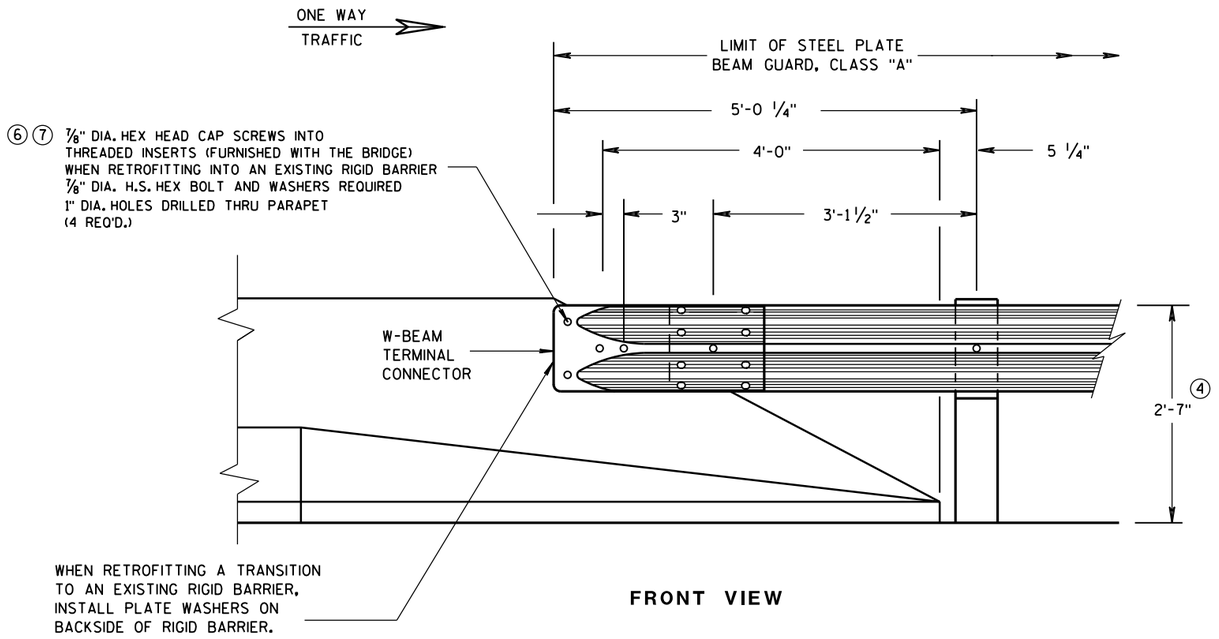

FRONT VIEW

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.

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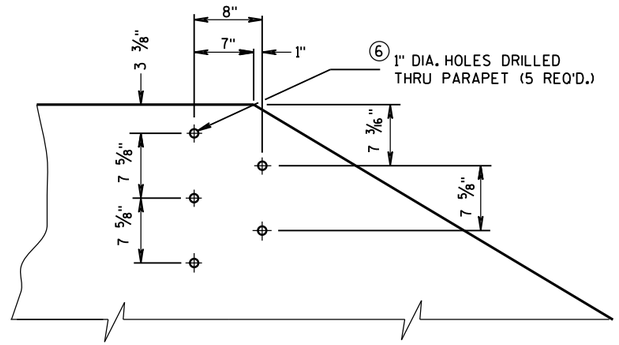
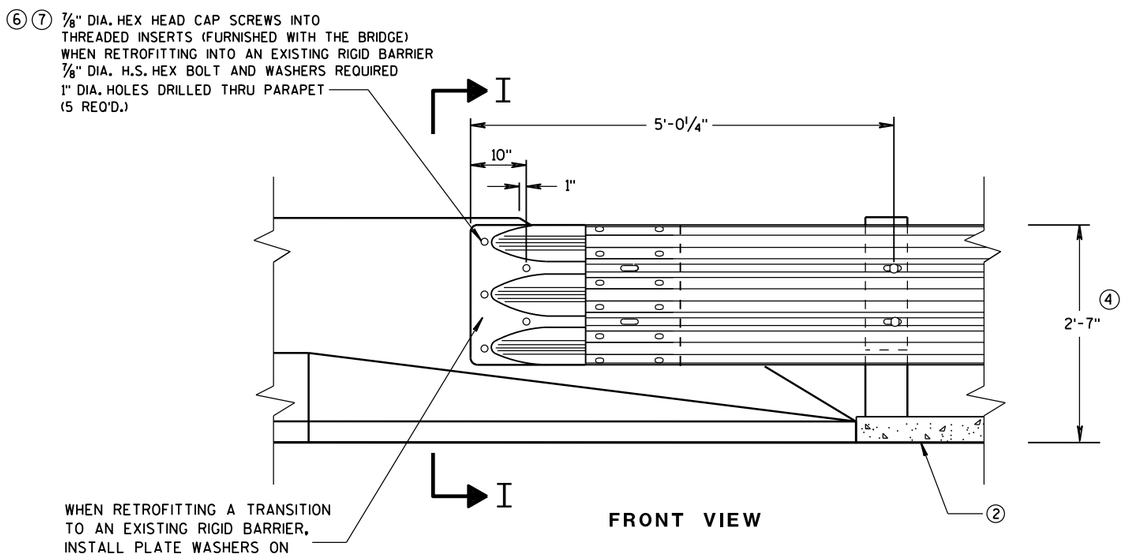
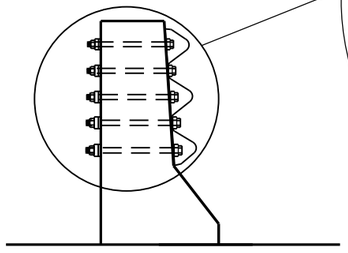


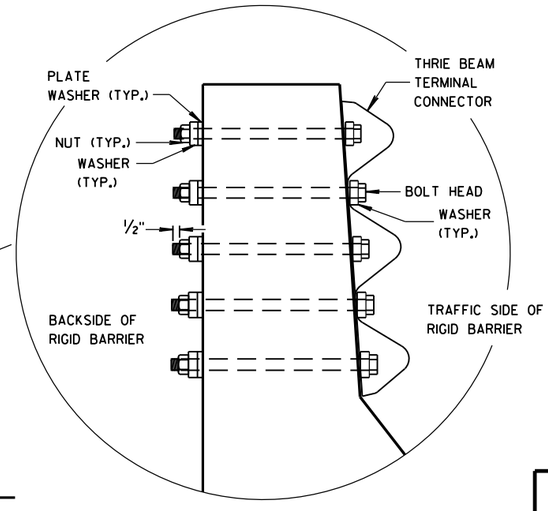
DRILL HOLE LOCATION AND PATTERN
FOR THRIE BEAM CONNECTION



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

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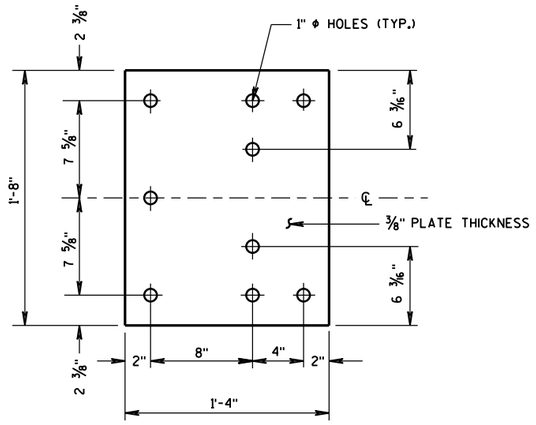
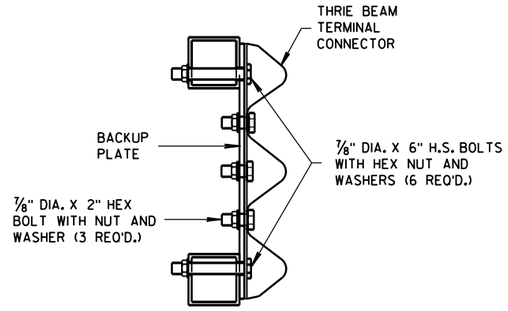
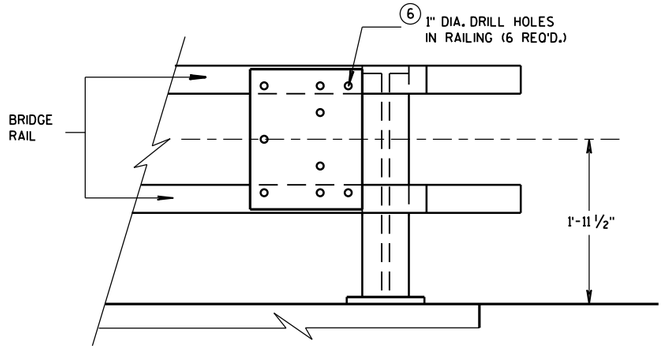


BACK-UP PLATE DETAIL



SECTION J-J

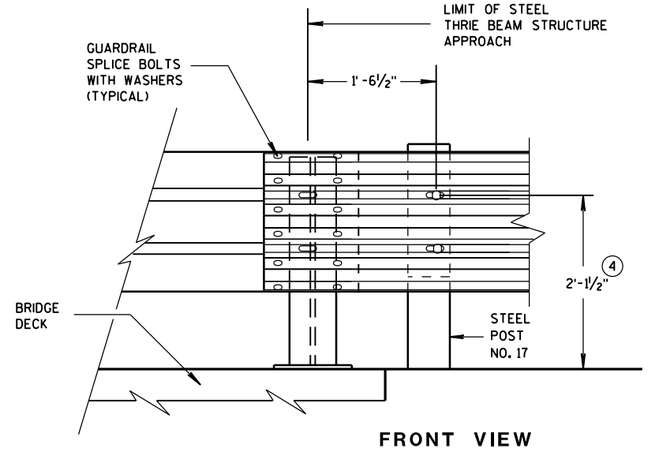


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

GENERAL NOTES

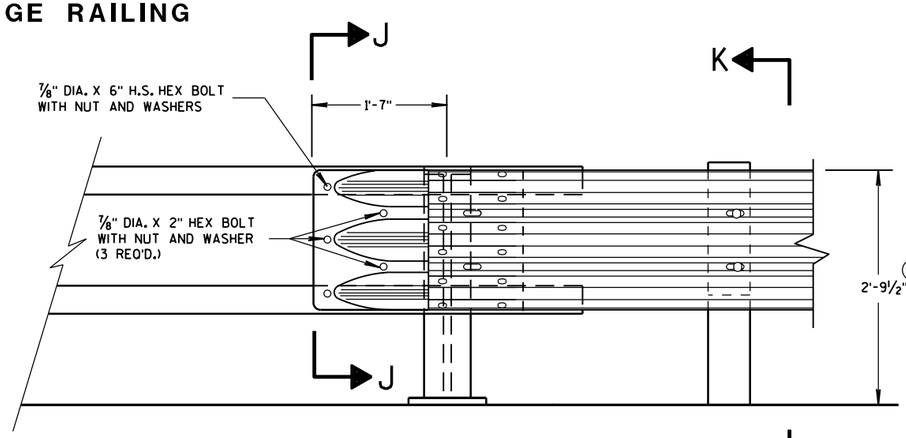
4 TOLERANCE FOR TOP OF BEAM IS ± 1".

6 DRILLING HOLES THROUGH THE PAPRPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

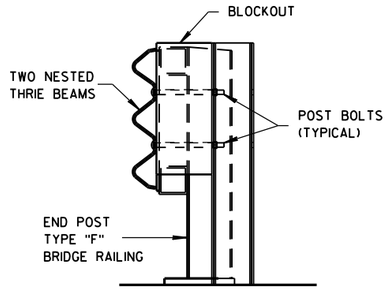


FRONT VIEW

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
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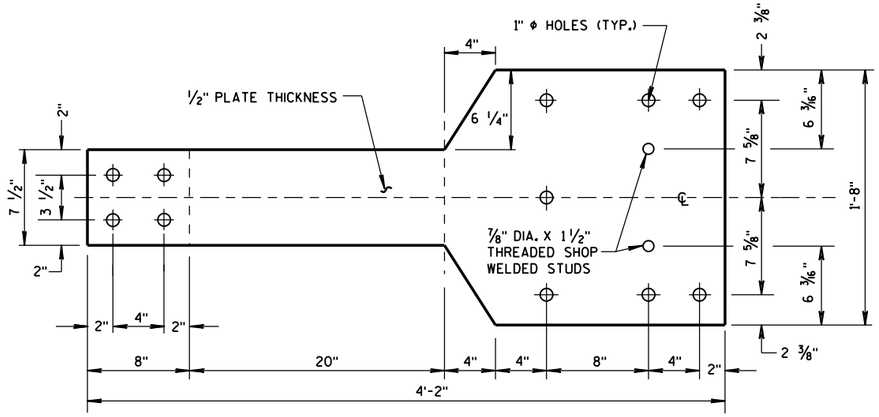
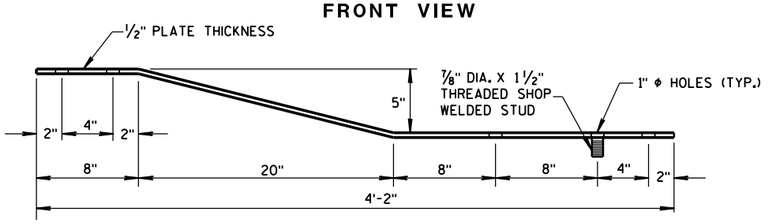
GENERAL NOTES

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

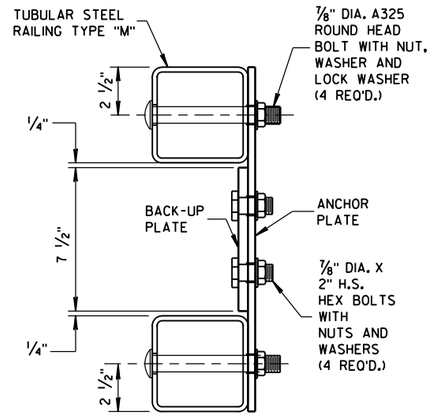


FRONT VIEW

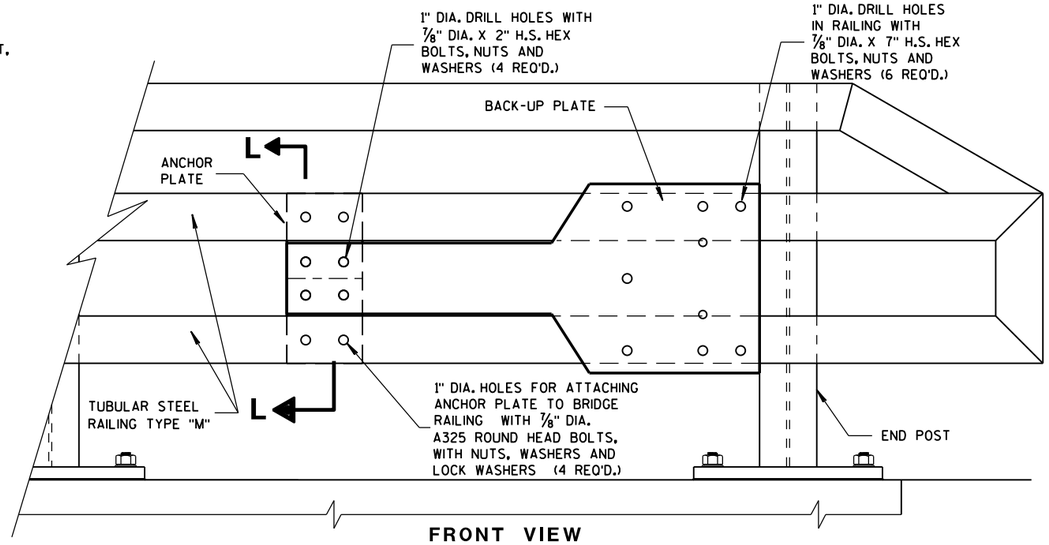


PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

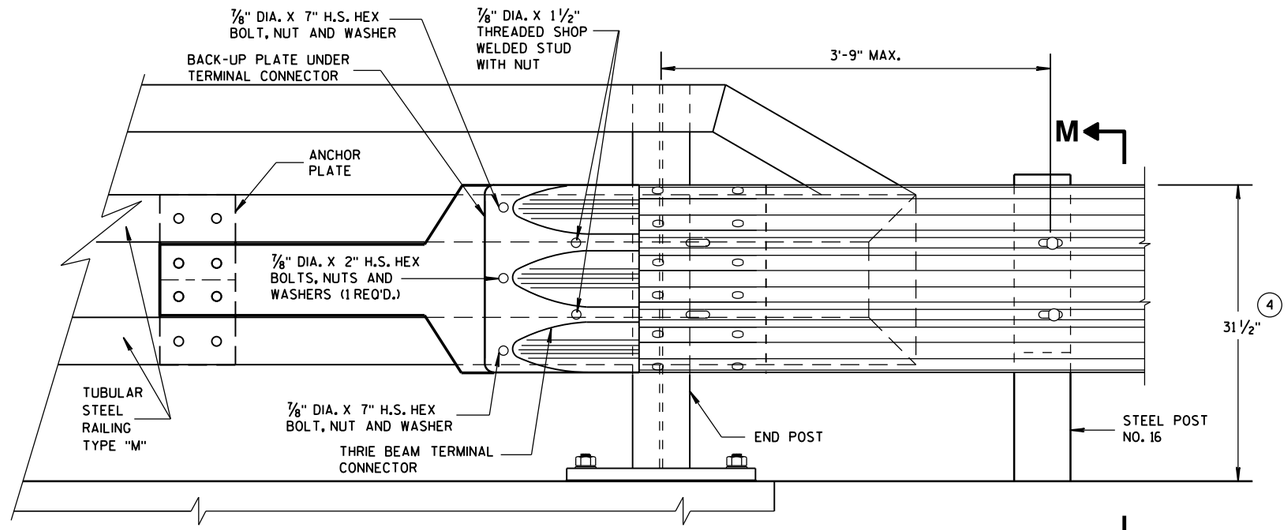


SECTION L-L

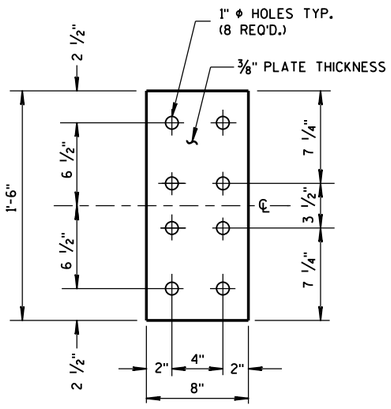


FRONT VIEW

ANCHOR AND BACK-UP PLATE MOUNTING TO BRIDGE RAILING, TYPE "M"

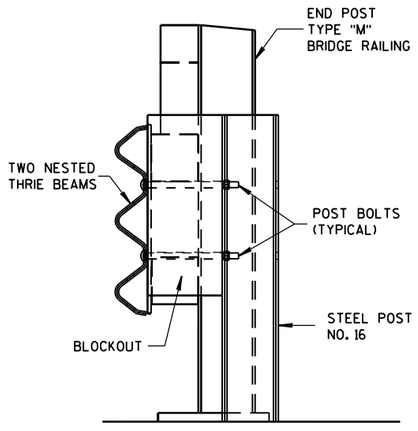


FRONT VIEW

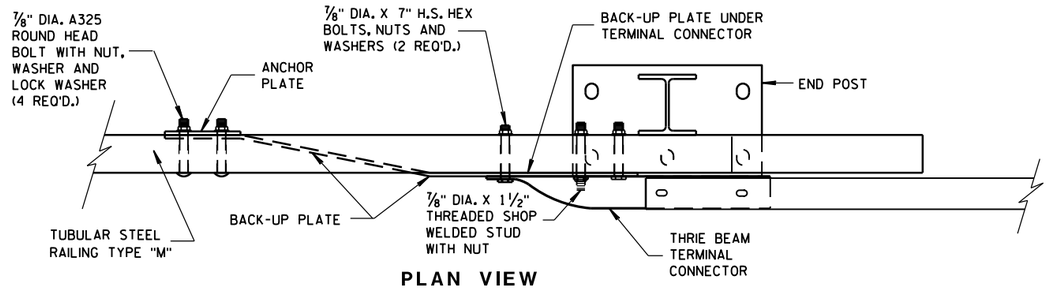


FRONT VIEW

ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M



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	/S/ Jerry H. Zogg
DATE	ROADWAY STANDARDS DEVELOPMENT ENGINEER
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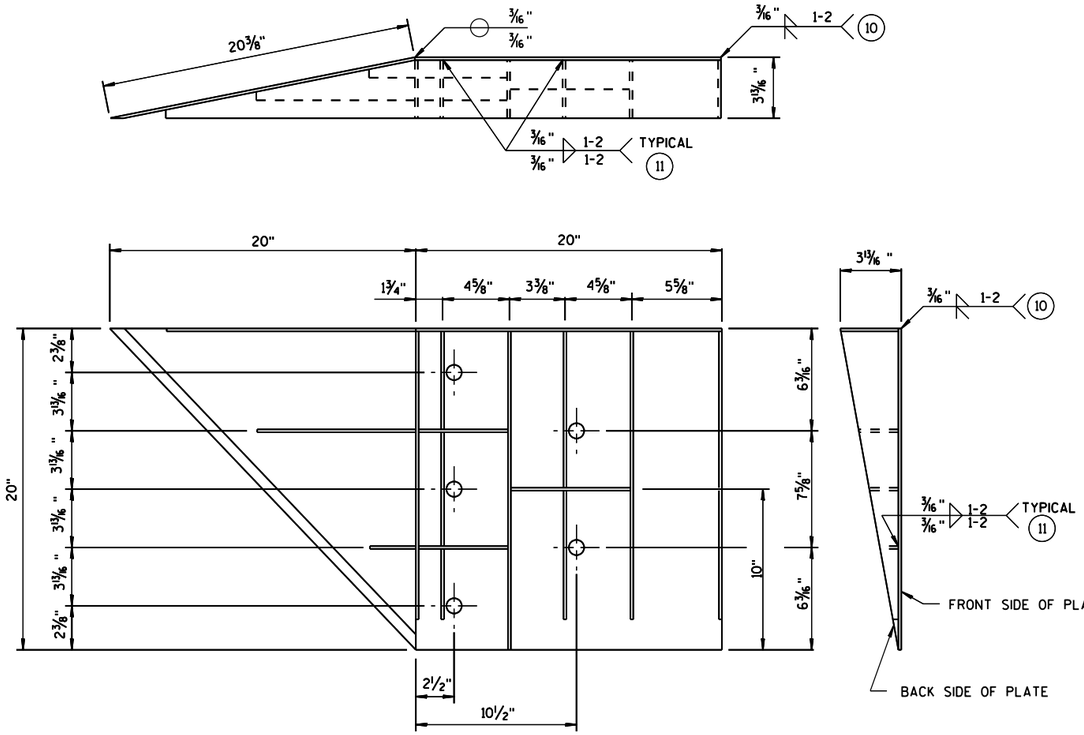
S.D.D. 14 B 45-4h



WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

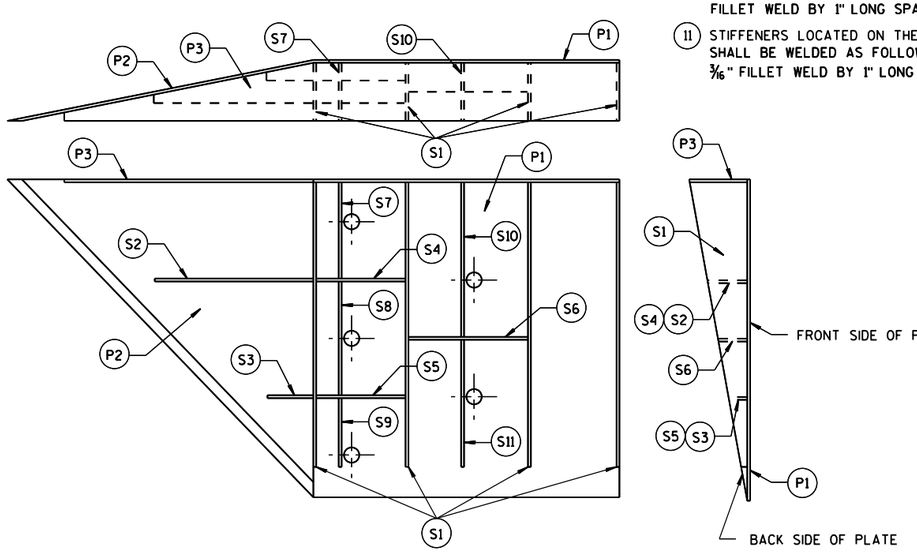


PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)				
PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	⅜"
P2	1		20" x 20" x 28⁹⁄₁₆"	⅜"
P3	1		39" x 3⅝" x 20" x 19⁵⁄₁₆"	⅜"
S1	4		18⁷⁄₁₆" x 3⅜" x 18¾"	¼"
S2	1		10¼" x 2⁷⁄₁₆" x 10⅜" x ½"	¼"
S3	1		3" x 1¹⁄₁₆" x 3⅛" x ½"	¼"
S4	1		6⅛" x 2⁷⁄₁₆"	¼"
S5	1		6⅛" x 1¹⁄₁₆"	¼"
S6	1		7¾" x 1¾"	¼"
S7	1		2⁹⁄₁₆" x 6" x 3⅝" x 5⅞"	¼"
S8	1		1³²⁄₃₂ " x 7½" x 2½" x 7⅜"	¼"
S9	1		6¹⁄₁₆" x 6³⁄₁₆" x 1³²⁄₃₂ "	¼"
S10	1		1⅛" x 9⅞" x 3⅝" x 9¹¹⁄₁₆ "	¼"
S11	1		8½" x 8¾" x 1¹³⁄₁₆ "	¼"

SINGLE SLOPE CONNECTION PLATE

GENERAL NOTES

COVER PLATE PANELS ARE ⅜" THICK.

ALL STIFFENERS ARE ¼" 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 ⅜" 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:
⅜" FILLET WELD BY 1" LONG SPACED AT 2".

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
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APPROVED
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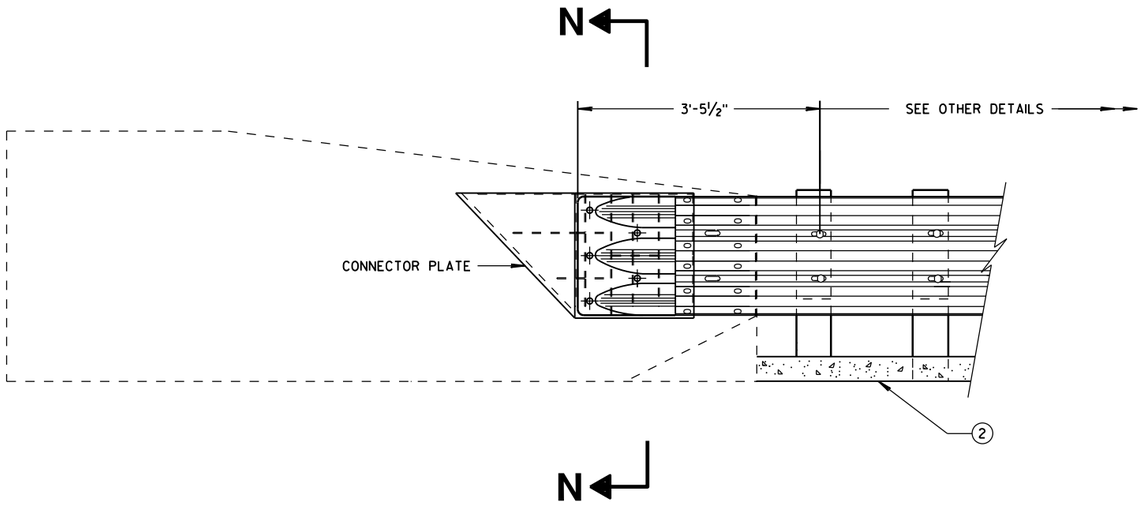
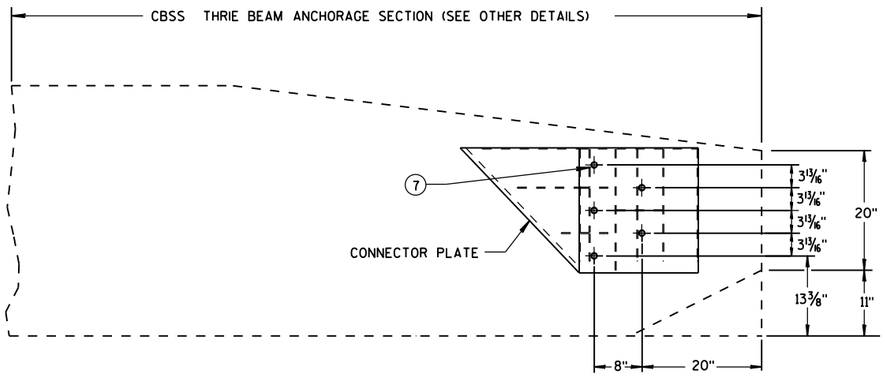


THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



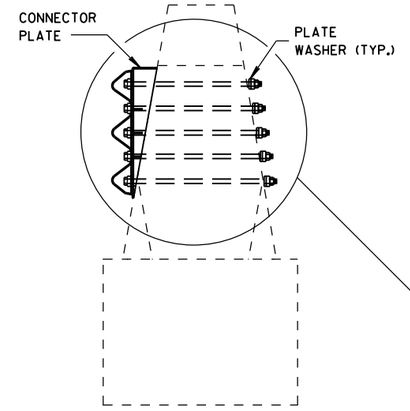
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

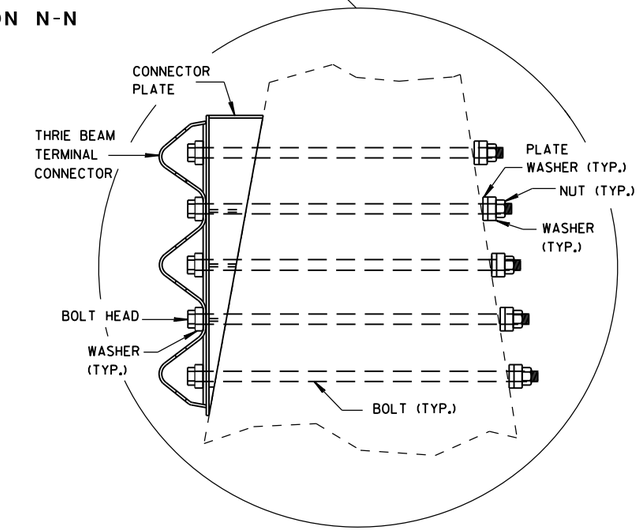
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(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

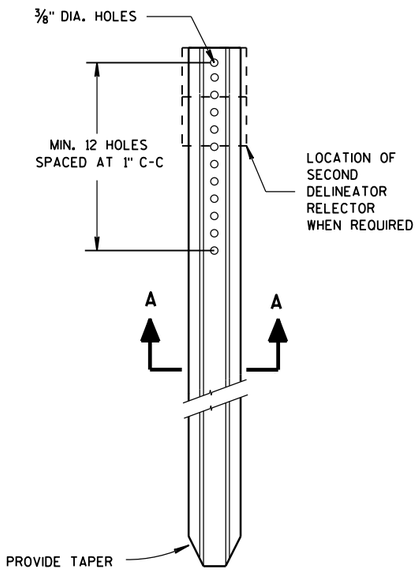
APPROVED
June, 2015 — DATE
/S/ Jerry H. Zoga — ROADWAY STANDARDS DEVELOPMENT ENGINEER
NT
FHWA

6

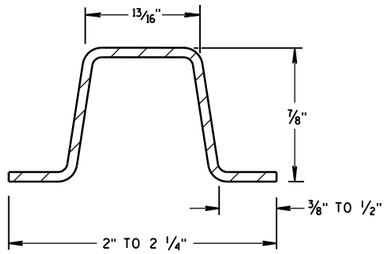
S.D.D. 14 B 45-4j

6

S.D.D. 14 B 45-4j

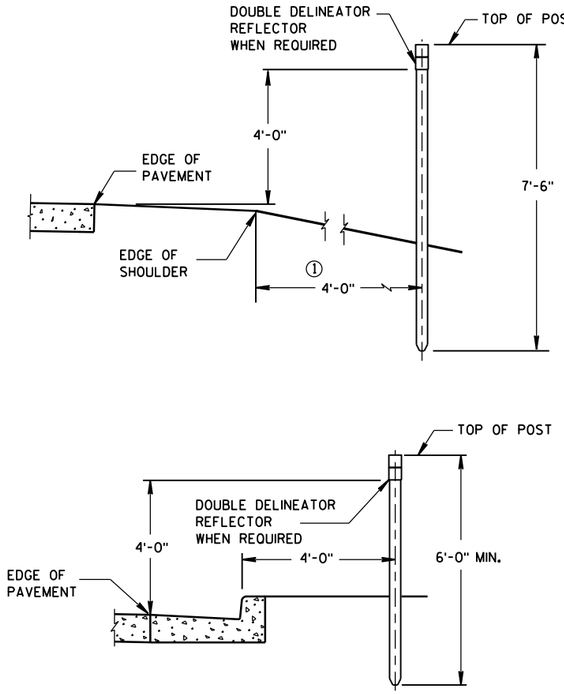


DELINEATOR POST



SECTION A-A

WEIGHT 1.12 LBS PER FT. ± 0.1 LB.

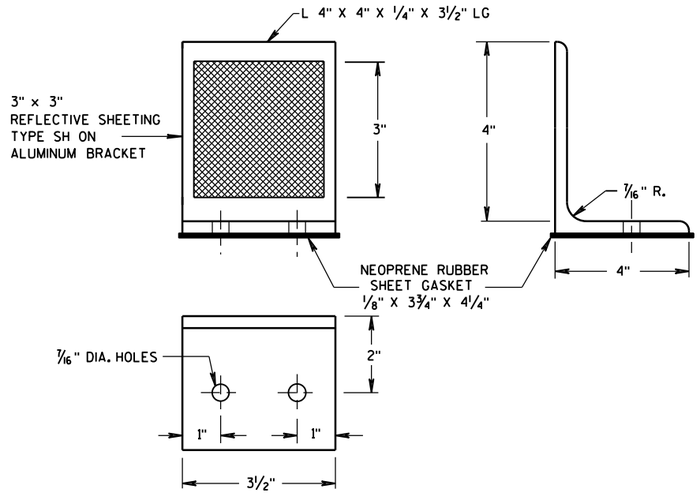


TYPICAL INSTALLATIONS OF DELINEATOR POSTS

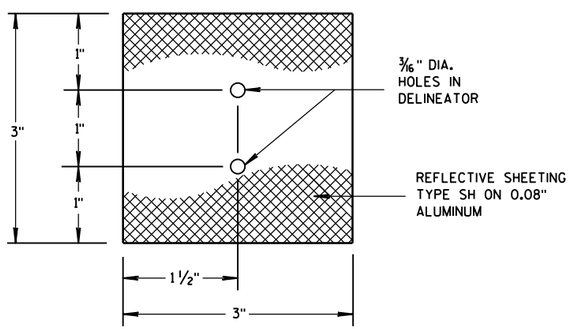
GENERAL NOTES

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

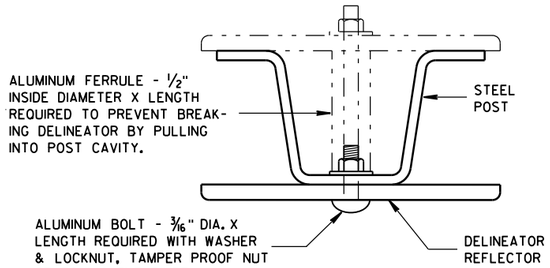
① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.



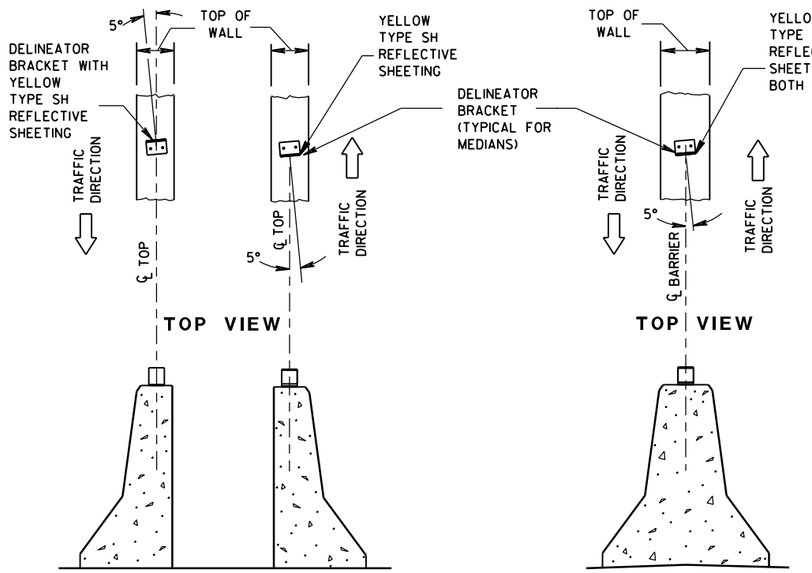
DELINEATOR BRACKET



3"x 3" DELINEATOR REFLECTOR



MOUNTING DETAIL FOR DELINEATOR REFLECTOR

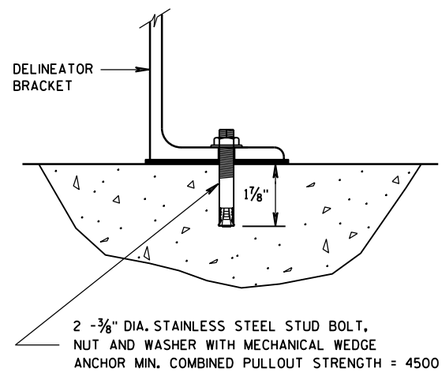


DOUBLE BARRIERS IN MEDIAN

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

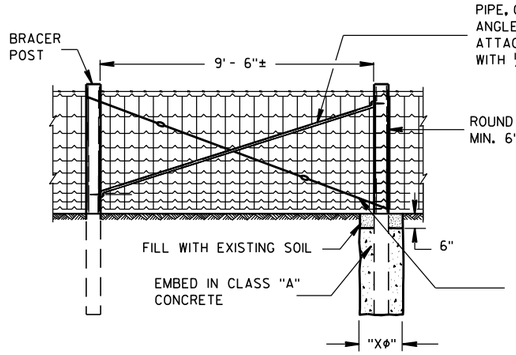
S.D.D. 15 A 2-9

6

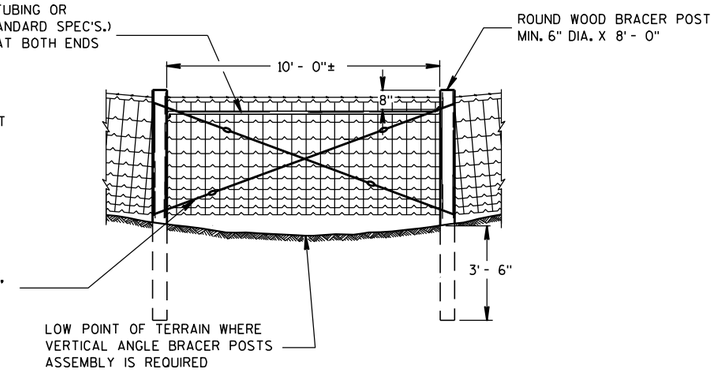
S.D.D. 15 A 2-9

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

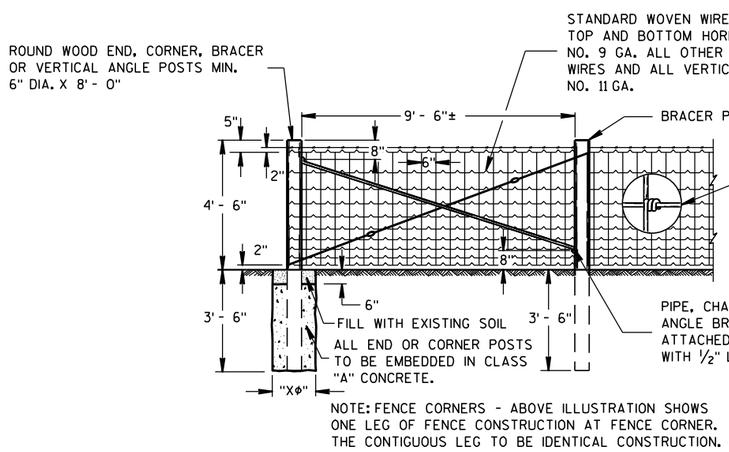
GENERAL NOTES

"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.

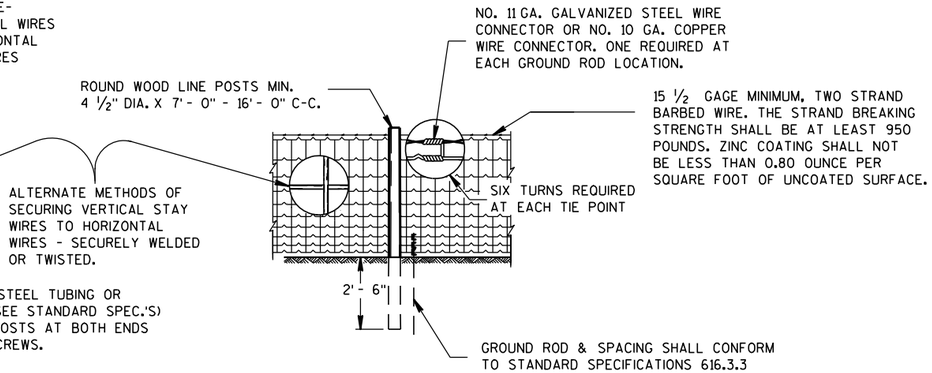
DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED 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.



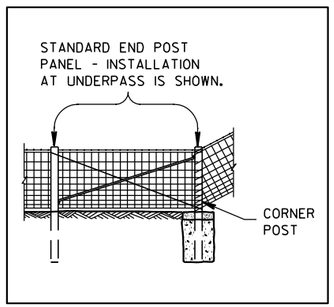
NOTE: FENCE CORNERS - ABOVE ILLUSTRATION SHOWS ONE LEG OF FENCE CONSTRUCTION AT FENCE CORNER. THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.

END OR CORNER POSTS ASSEMBLY

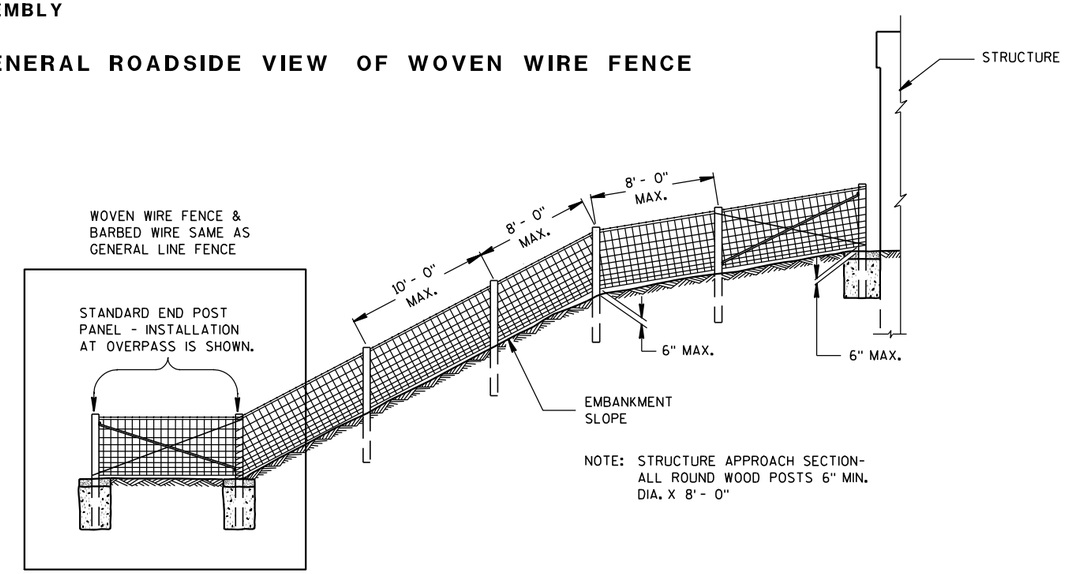


LINE FENCE CONSTRUCTION

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"

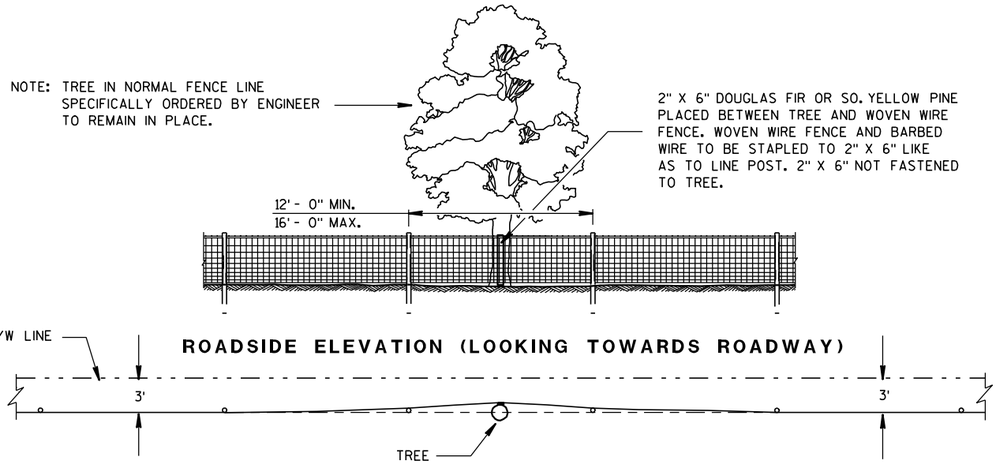
FENCE DESIGN AT STRUCTURE APPROACH

FENCE WOVEN WIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

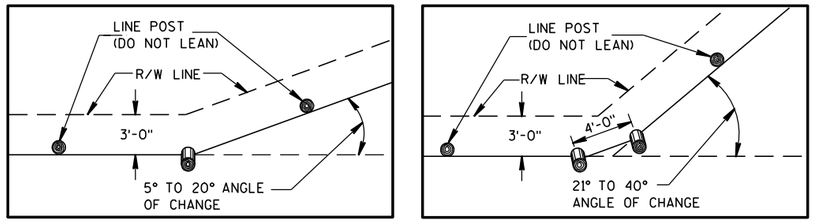
6

S.D.D. 15 B 1-8a



PLAN VIEW

FENCE DESIGN AT TREES REMAINING IN NORMAL FENCE LINE



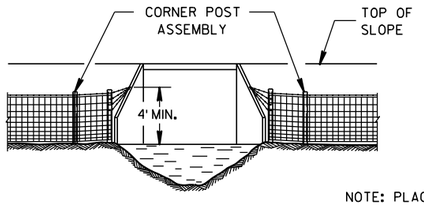
PLAN VIEW
SINGLE POST CORNER

PLAN VIEW
DOUBLE POST CORNER

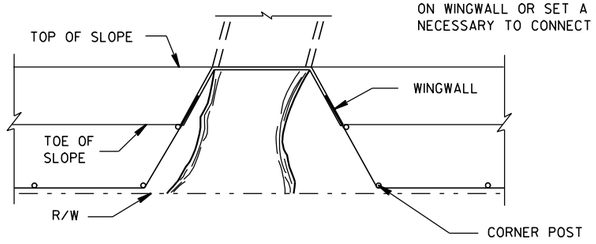
RIGHT OF WAY LINE CHANGE 40° AND LESS

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.

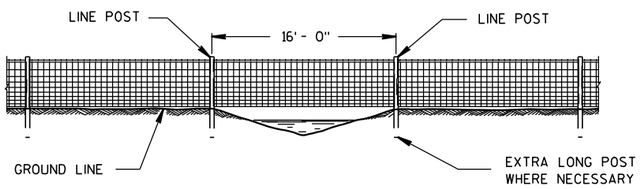
WHEN THE RIGHT OF WAY LINE CHANGE IS MORE THAN 40° USE THE CORNER OR STRETCHER POSTS ASSEMBLY.



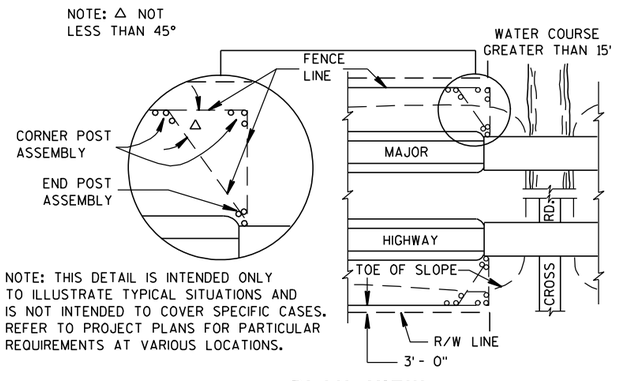
NOTE: PLACE A MINIMUM OF 4 STRANDS OF BARBED WIRE, 6" MAXIMUM CENTERS IN FAN SHAPE CONNECTED TO AN EYE BOLT ON WINGWALL OR SET A LONE POST WHEN NECESSARY TO CONNECT BARBED WIRE.



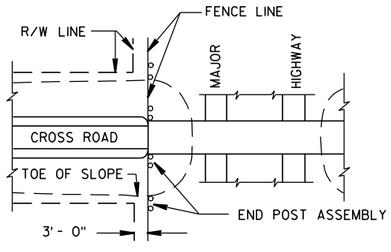
FENCE INSTALLATION TO WINGWALLS



FENCE CONSTRUCTION OVER STREAM COURSES OF 15 FT. OR LESS IN WIDTH



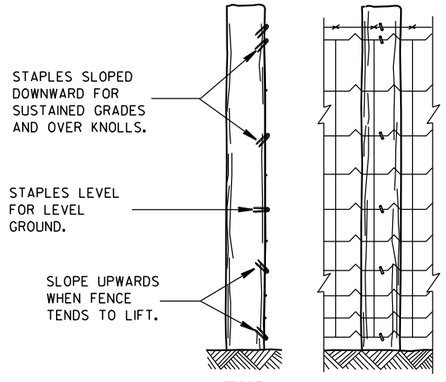
PLAN VIEW
MAJOR HIGHWAY OVERPASS OR STREAM COURSE CROSSING OF GREATER THAN 15 FT. IN WIDTH



PLAN VIEW
MAJOR HIGHWAY UNDERPASS

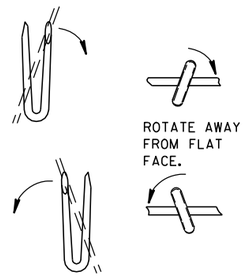
FENCE LOCATION AT STRUCTURES

NOTE: WHEN POSTS ARE DRIVEN THE SMALL END SHALL BE DOWN.



END ELEVATION **FARM SIDE ELEVATION**

FENCE MOUNTING DETAIL



LINE POST

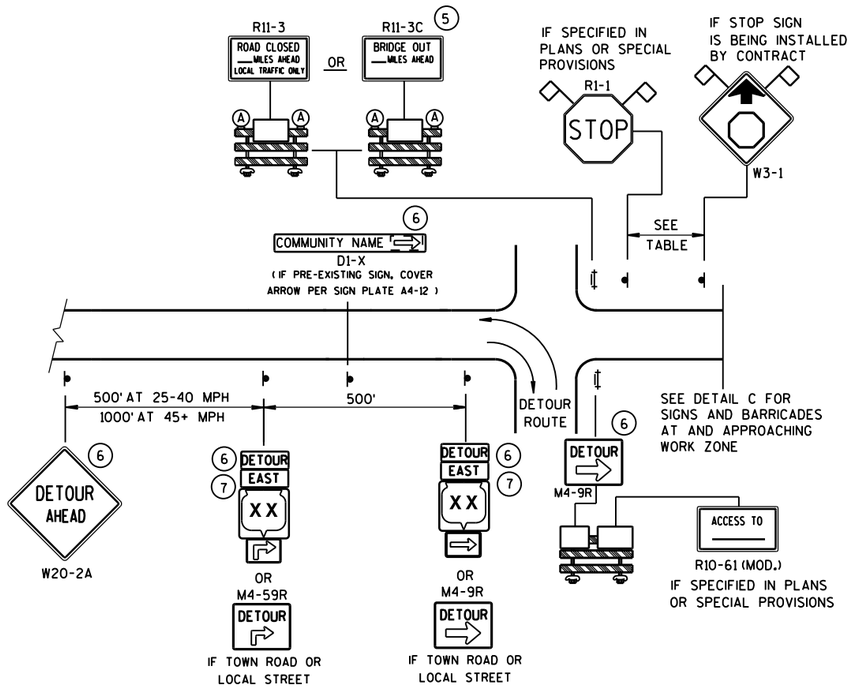
FENCE WOVEN WIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/4/2008 DATE
/S/ Jerry H. ---
ROADWAY STANDARDS ENGINEER
FHWA

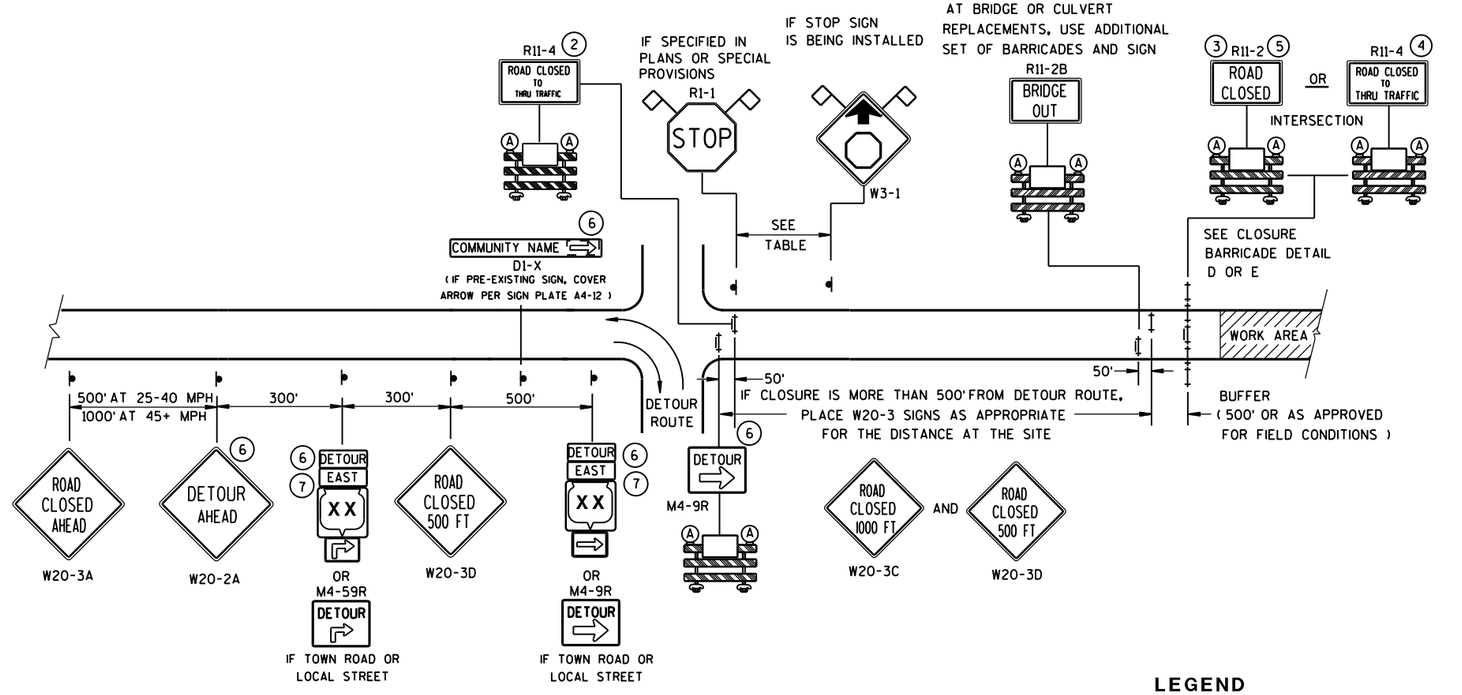
6

S.D.D. 15 B 1-8b



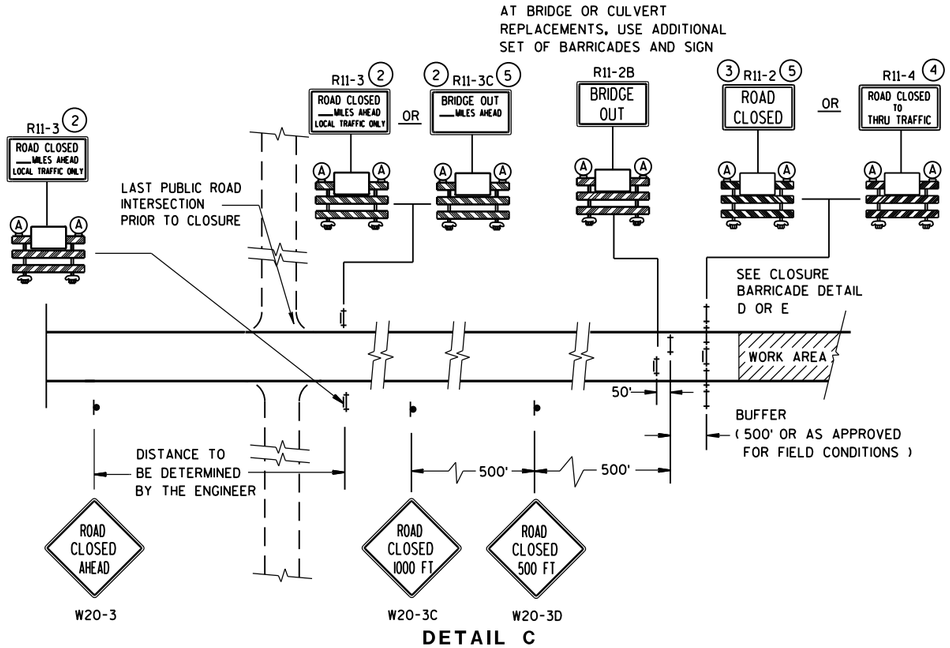
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

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)

SEE SDD 15C2-SHEET "**b**" FOR GENERAL NOTES AND FOOTNOTES (1) THROUGH (7)

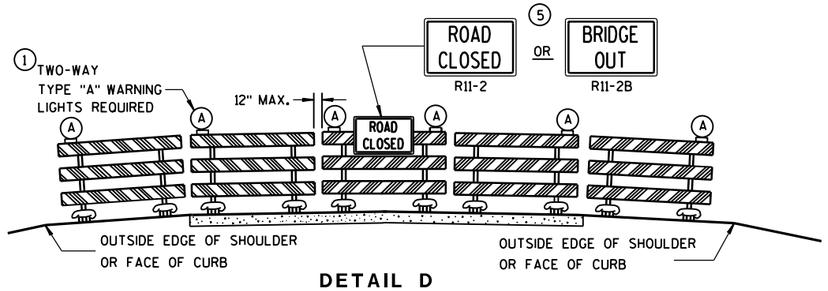
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

S.D.D. 15 C 2-6a

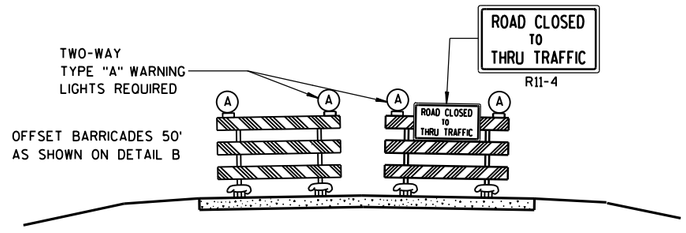
S.D.D. 15 C 2-6a



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.

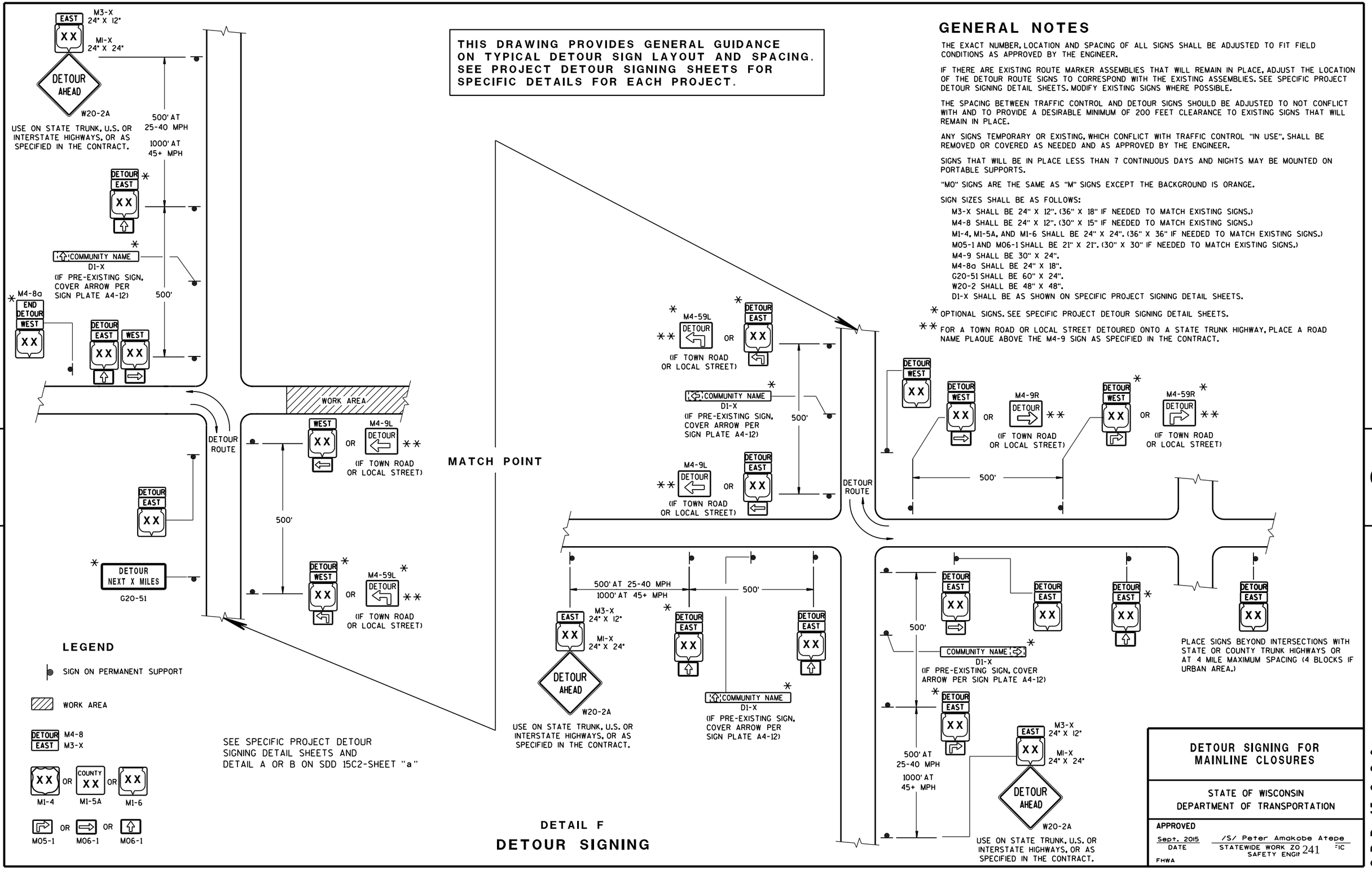
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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.)
- 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.



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
- MO5-1 OR MO6-1 OR MO6-1

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

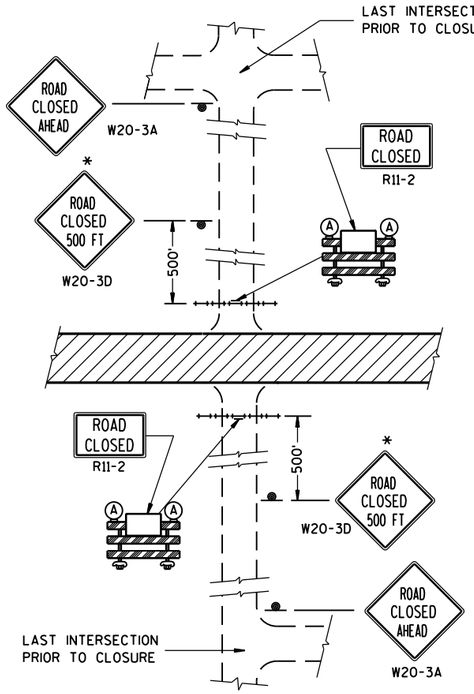
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI...

FHWA

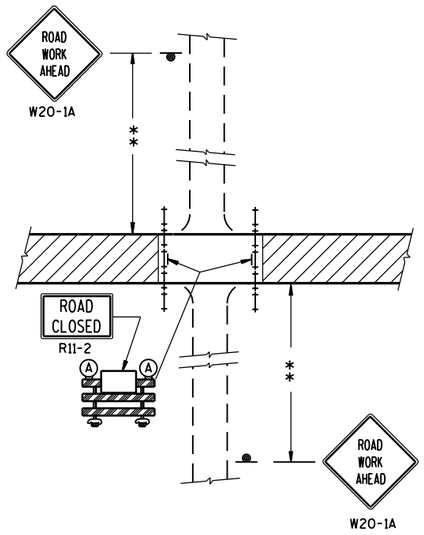
S.D.D. 15 C 2-6c

S.D.D. 15 C 2-6c



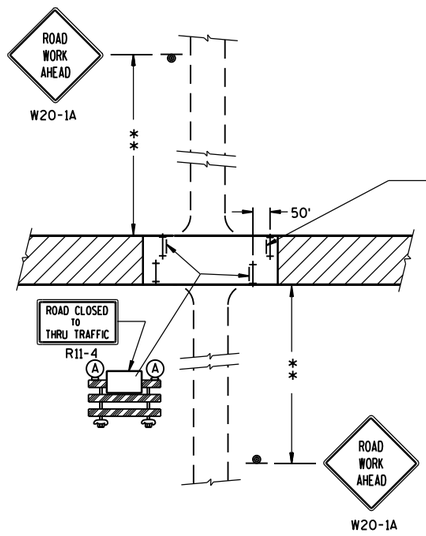
DETAIL 1

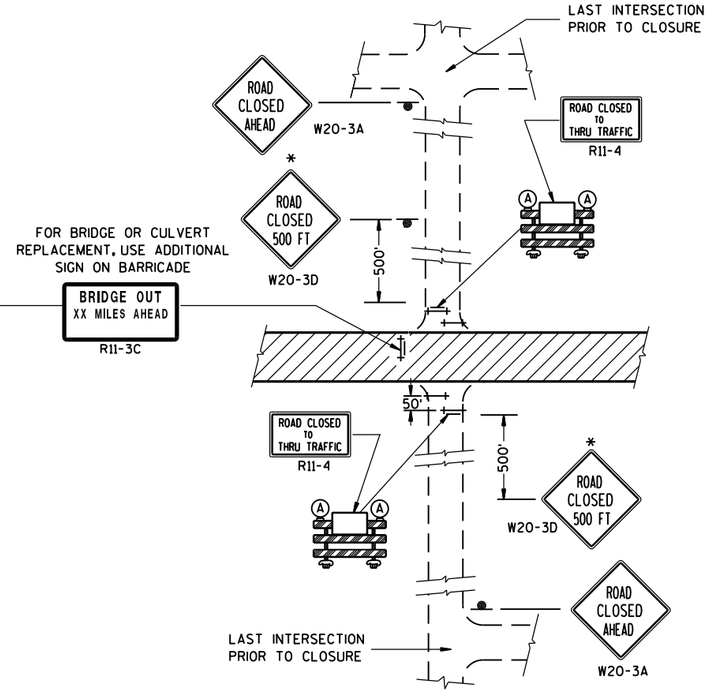
(NO ACCESS TO PROJECT)



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

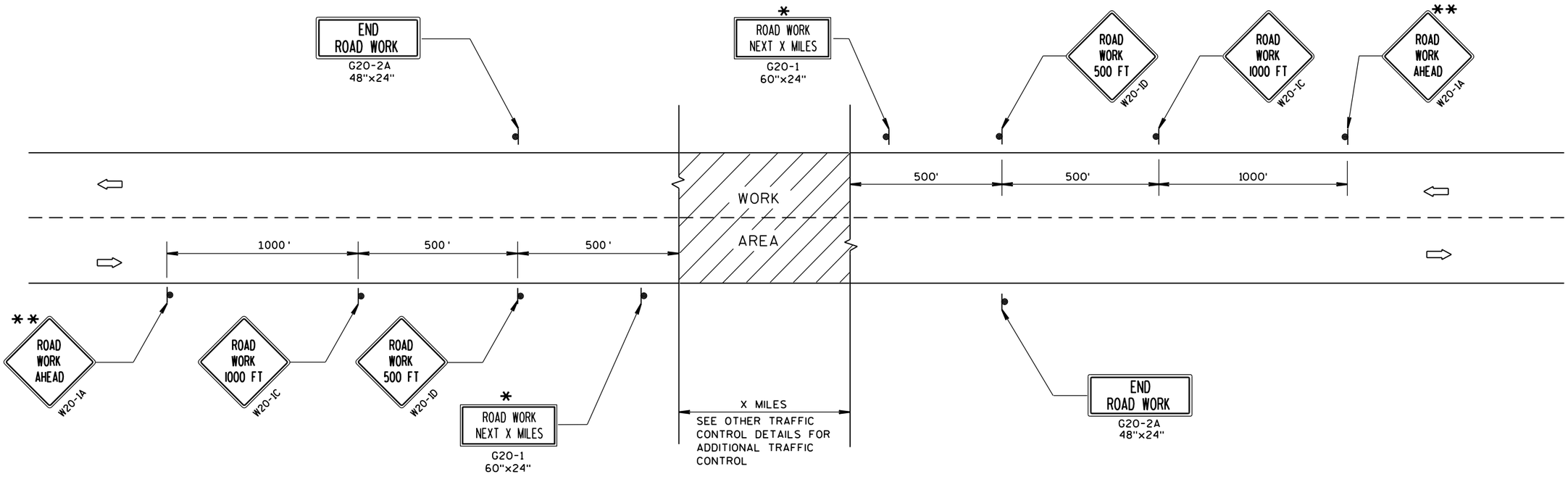
6

S.D.D. 15 C 3-3

6

S.D.D. 15 C 3-3

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

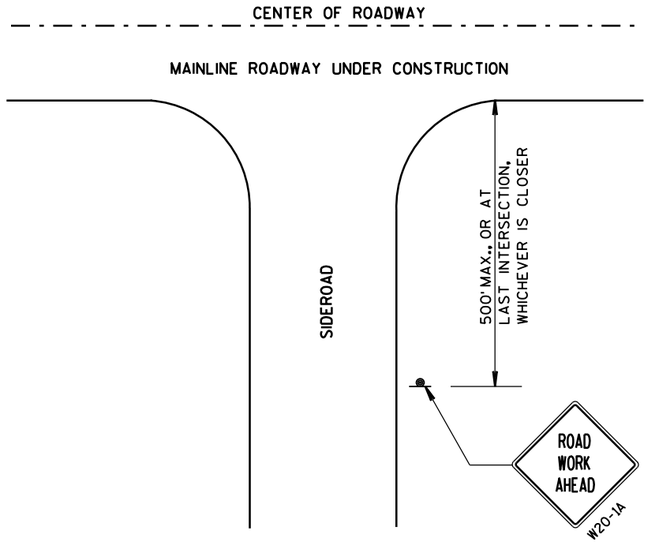
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

** PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

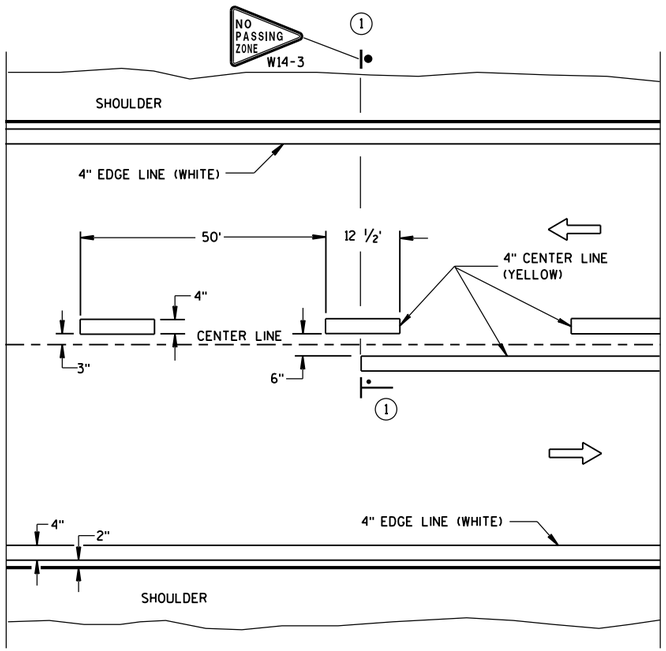
APPROVED

Sept. 2015	/S/ Peter Amakobe Atepe
DATE	STATEWIDE WORK ZONE SAFETY ENGINEER

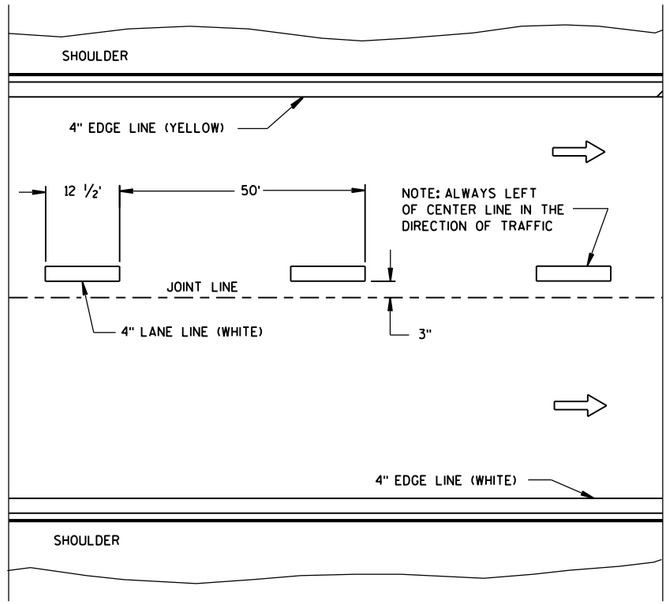
FHWA

6

S.D.D. 15 C 4-3



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) NO PASSING ZONE W14-3 SIGN SHALL BE LOCATED WITHIN 50 FEET OF THE "T" MARKING.

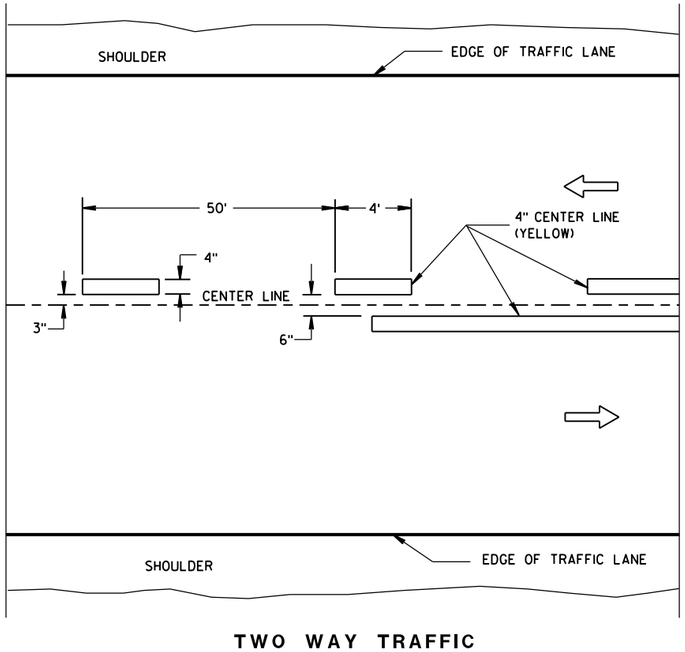
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

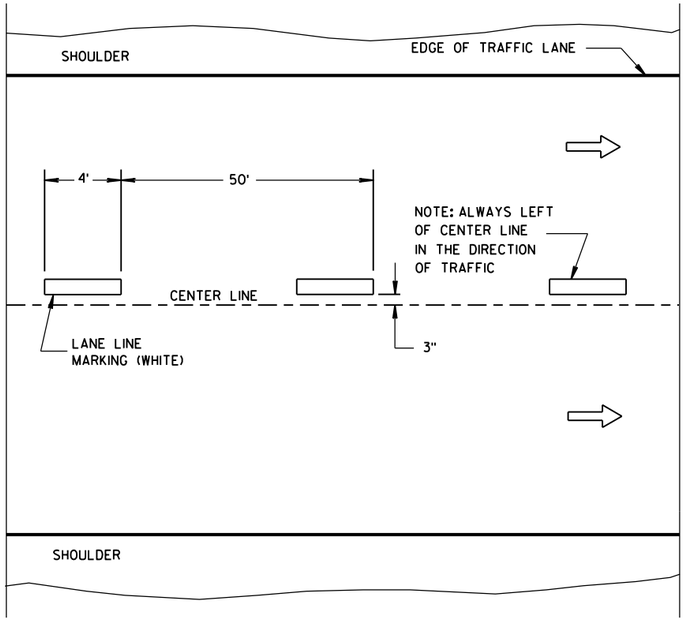
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

S.D.D. 15 C 8-17a

S.D.D. 15 C 8-17a

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

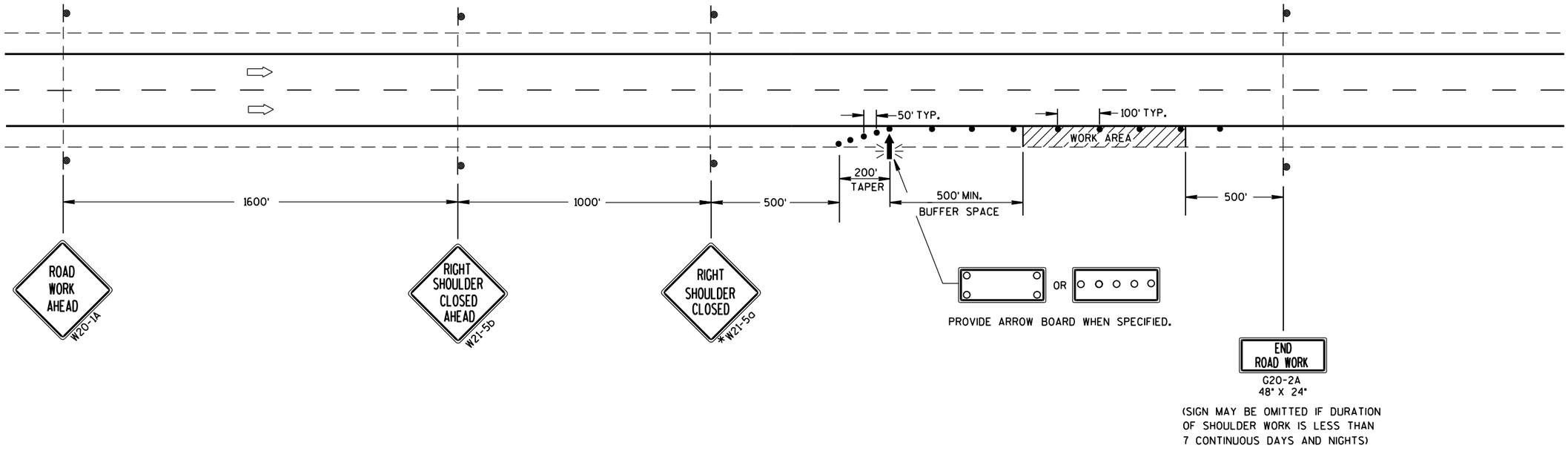
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016 — DATE

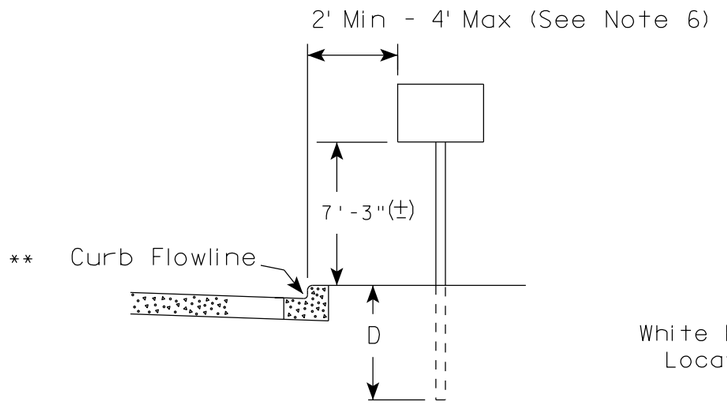
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

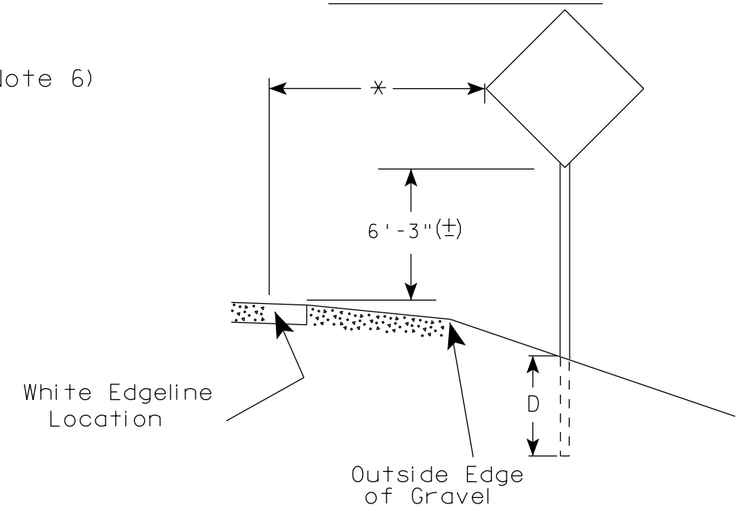
6

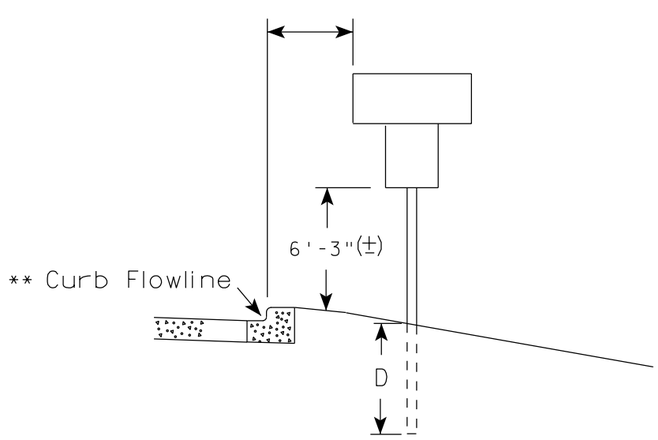
S.D.D. 15 D 27-3

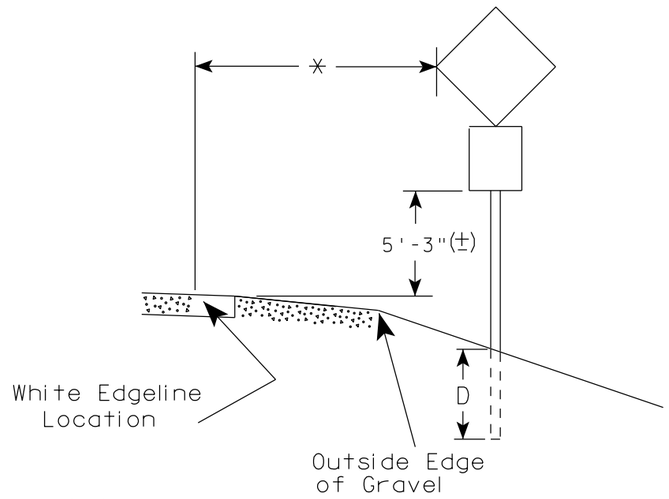
URBAN AREA



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. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
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" (±).

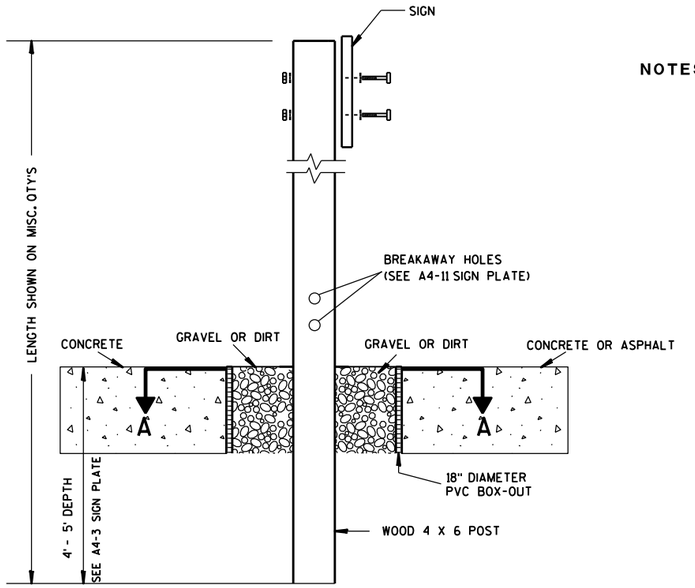
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

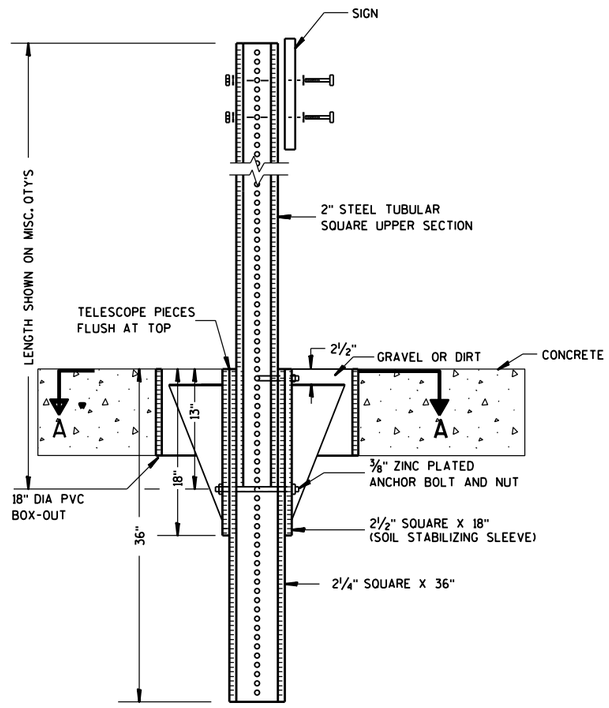
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

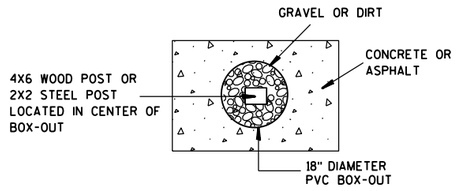
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

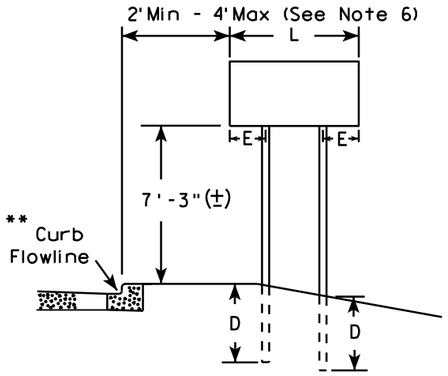
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

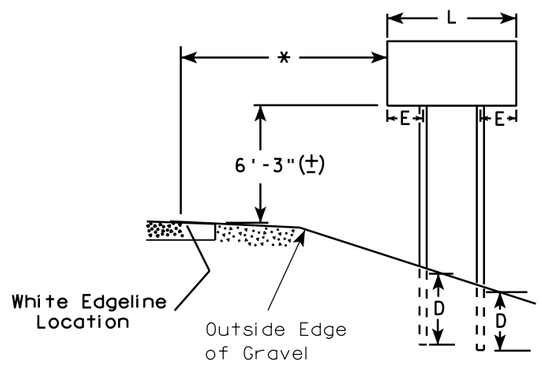
DATE 1/27/14 PLATE NO. A4-3B.1

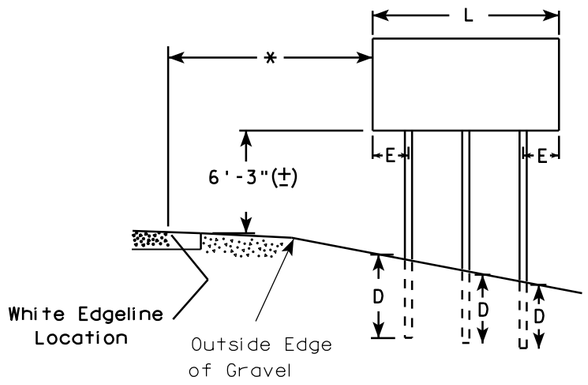
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

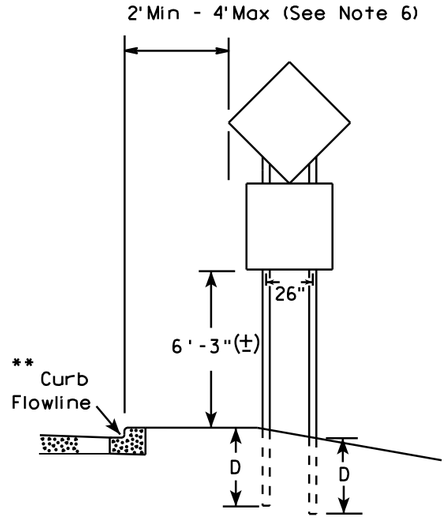
URBAN AREA



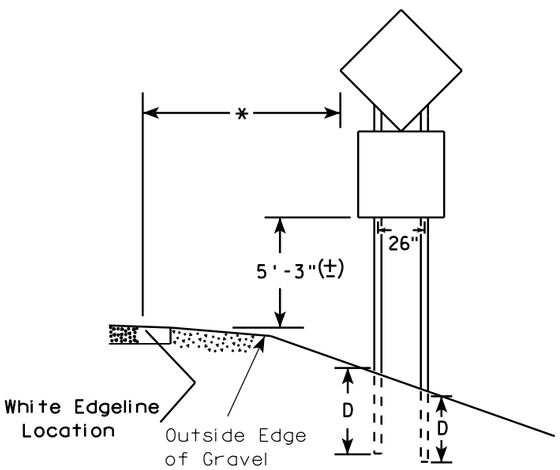
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
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.

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

***

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

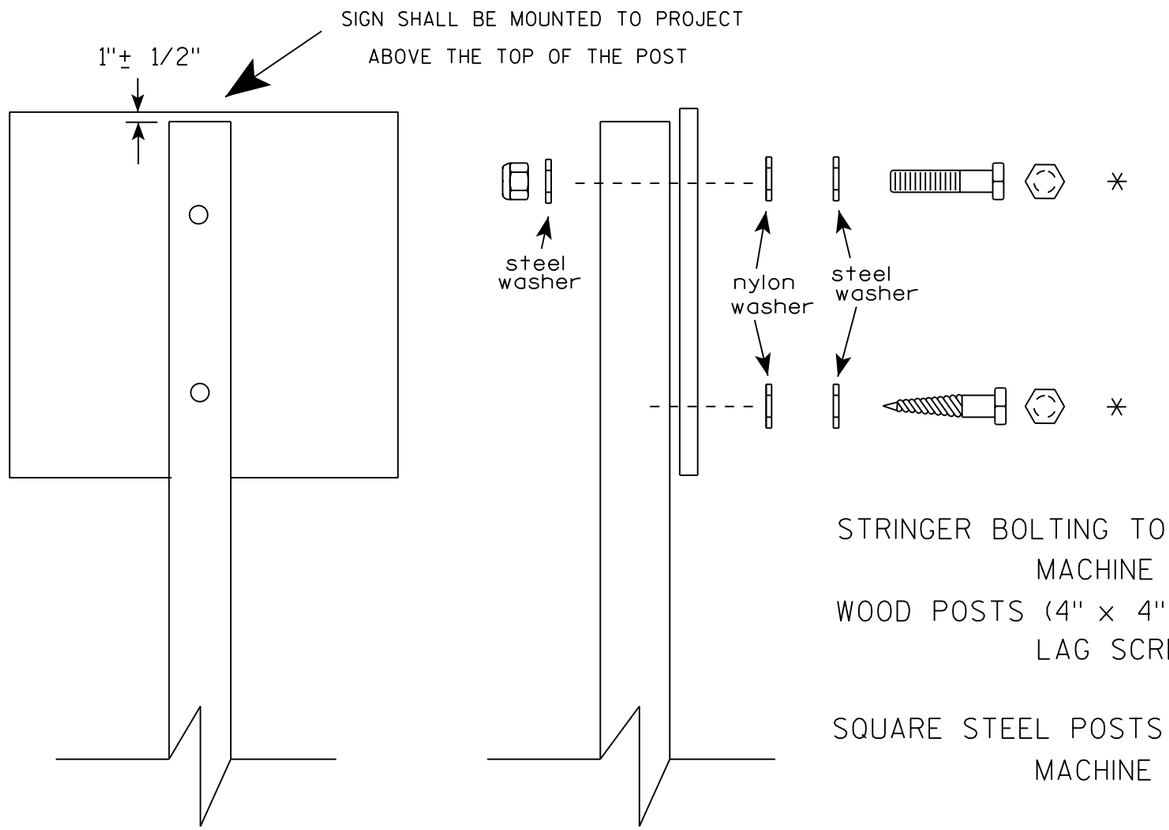
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-4 14
248

PROJECT NO:	HWY:	COUNTY:		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

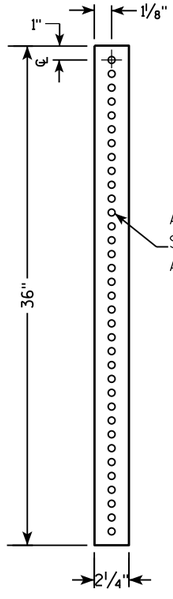
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

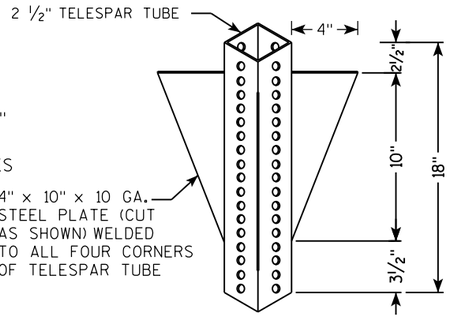
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

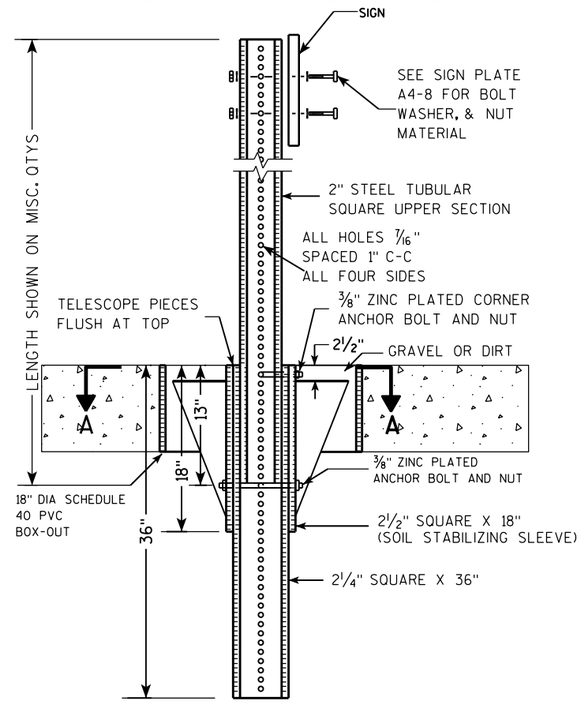
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



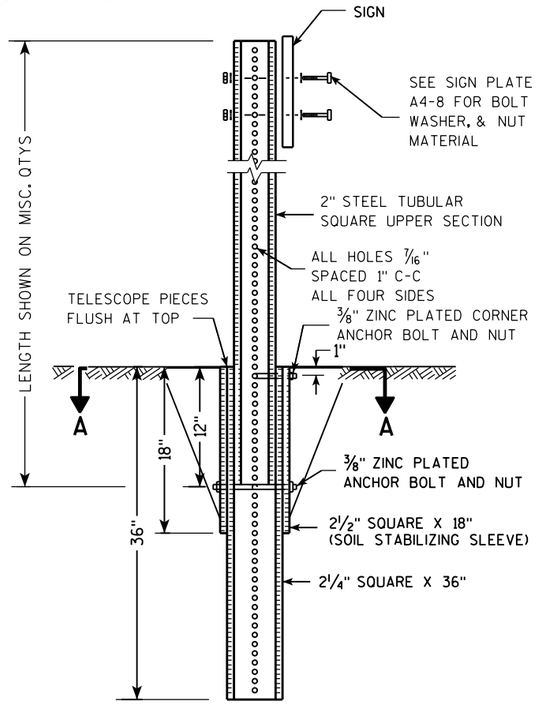
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

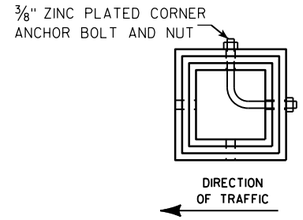


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

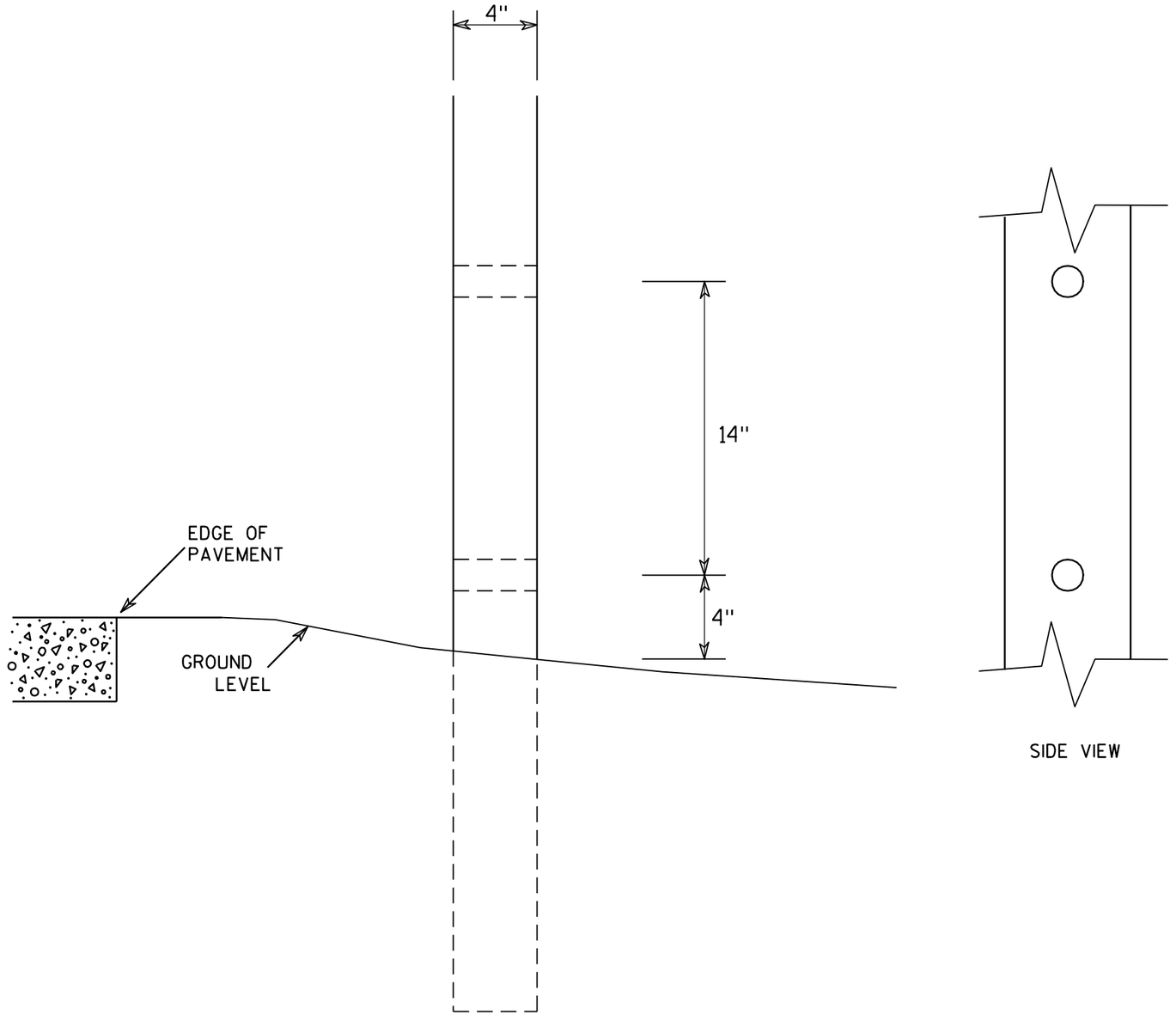
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 250 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



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.

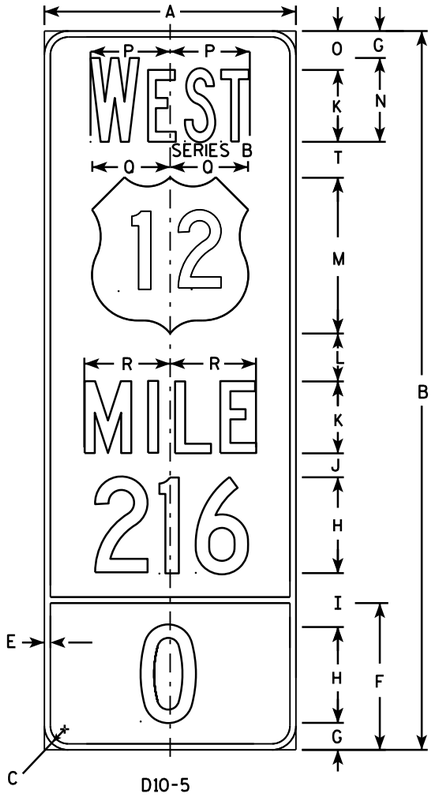
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

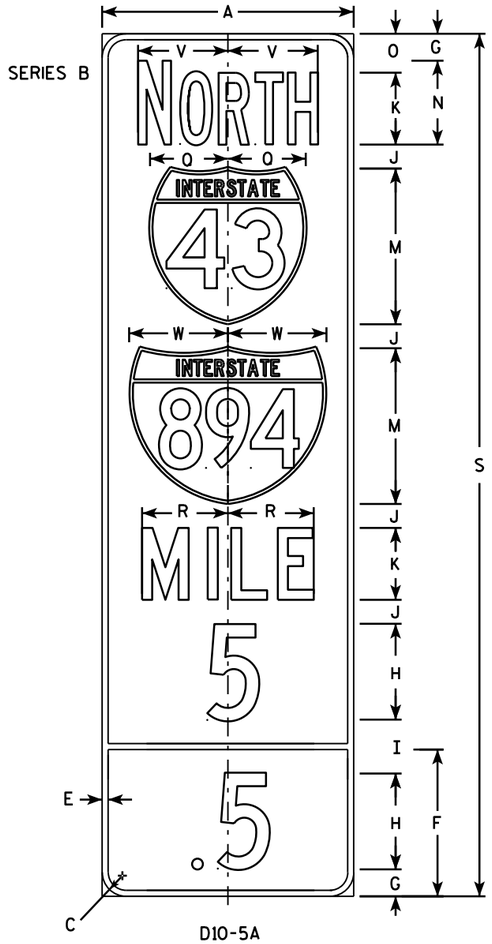
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

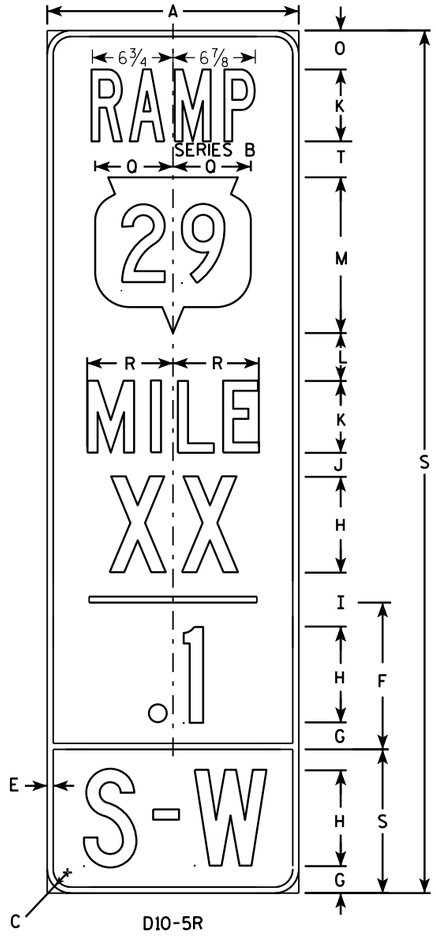
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 251	E



D10-5



D10-5A



D10-5R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLUE
   Message - WHITE
3. Interstate Shield Color
   Background - Top Red
   - Bottom Blue
   Message - White
4. Message Series - C or as noted on the Sign.
5. 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.
6. The decimal point is required for all digits except "0".
7. Optically adjust mileage numbers about the centerline of the sign to achieve proper balance.
8. Optically adjust Ramp direction letters about the centerline of the sign to achieve proper balance.

SERIES B

SERIES B

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	D10-5 Area sq. ft.	D10-5A Area sq. ft.	D10-5R Area sq. ft.
1																													
2																													
3																													
4	21	60	1 ½		½	12 ¼	2 ¼	8	4 ½	2	6	4	13	7	3 ¼	6 ⅝	6 ½	7 ⅛	72	3		7 ½	8 ¼				8.75	10.5	10.5
5	21	60	1 ½		½	12 ¼	2 ¼	8	4 ½	2	6	4	13	7	3 ¼	6 ⅝	6 ½	7 ⅛	72	3		7 ½	8 ¼				8.75	10.5	10.5

STANDARD SIGN
D10-5

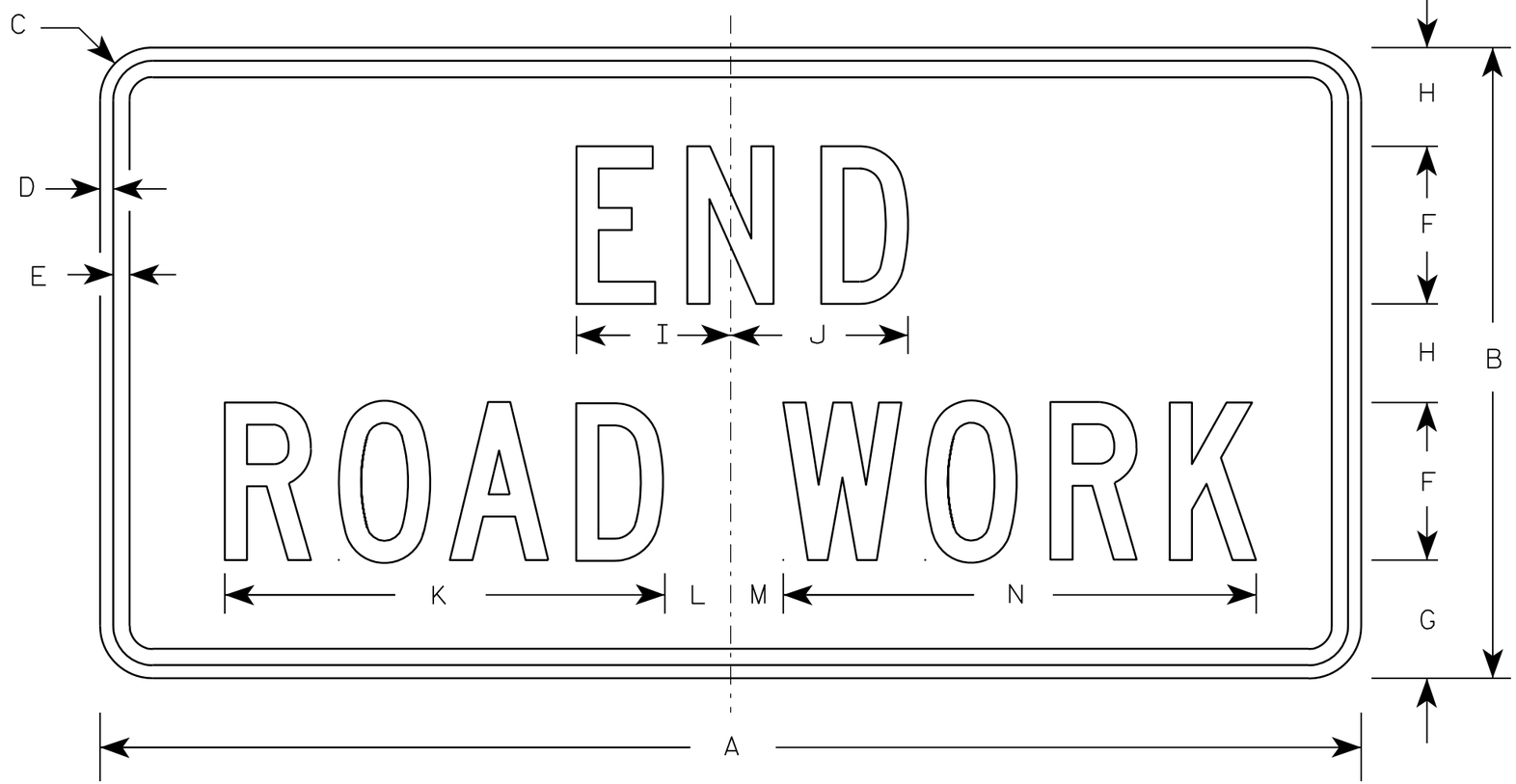
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/26/14 PL 252 D10-5.2

PROJECT NO:

SHEET NO: 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

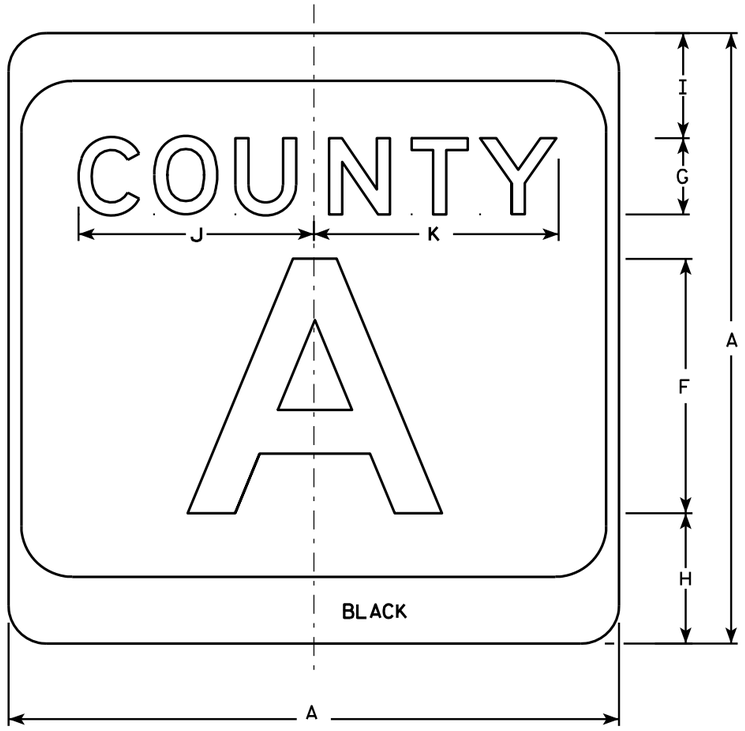
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

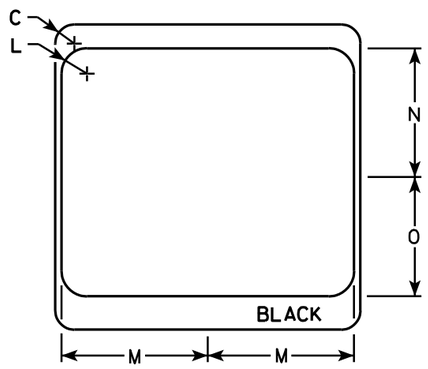
APPROVED Matthew R Rauch
for State Traffic Engineer

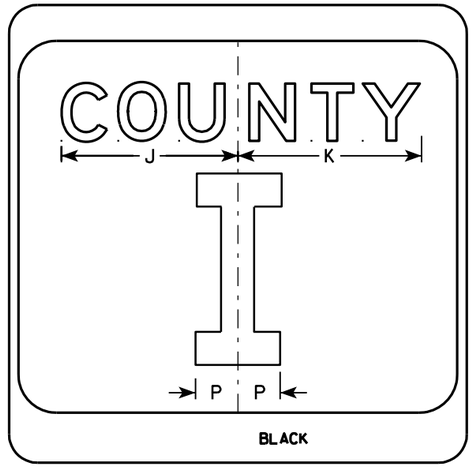
DATE 9/30/09 PLATE NO. G20-2A.8

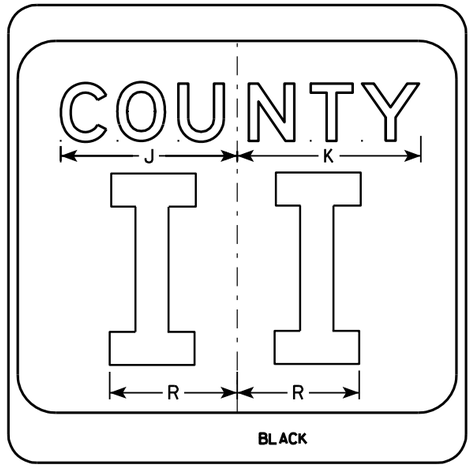
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 253	E



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

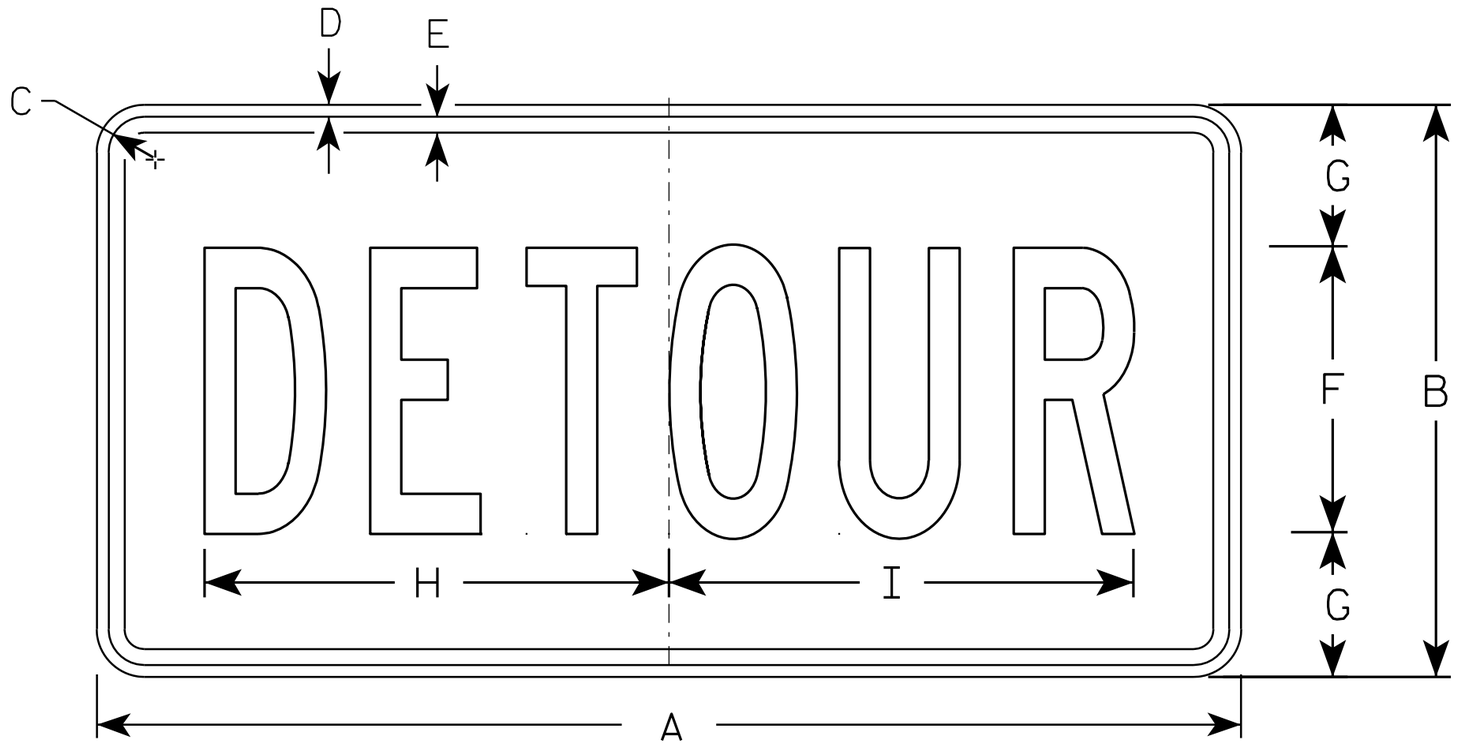
CTH MARKER
M1-5A FOR ASSEMBLIES

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: 254	E



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																											

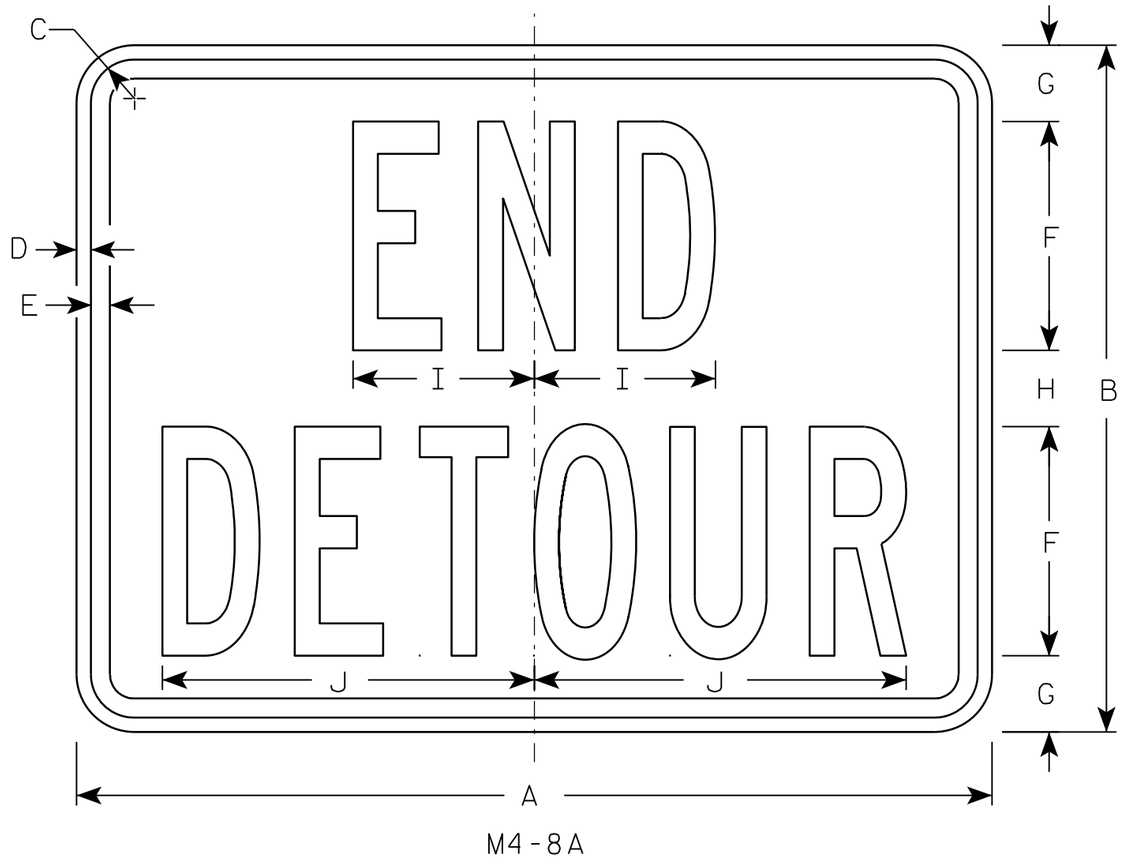
STANDARD SIGN
M4-8

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: 255	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																											

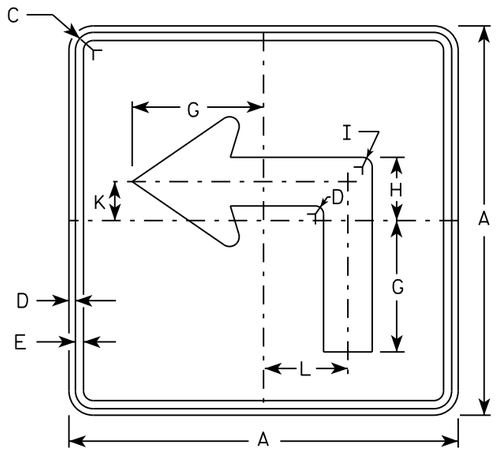
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

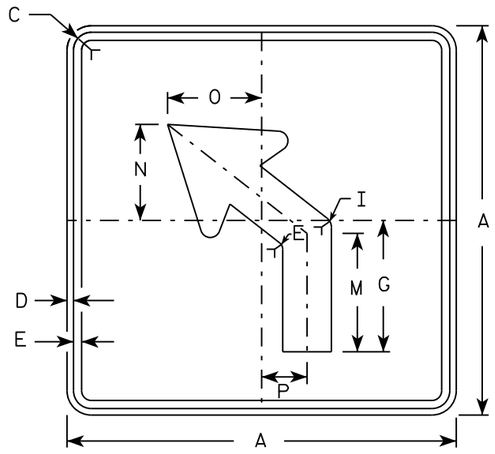
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

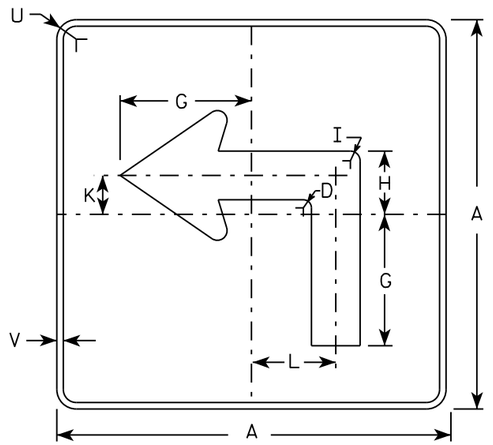
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 256	E



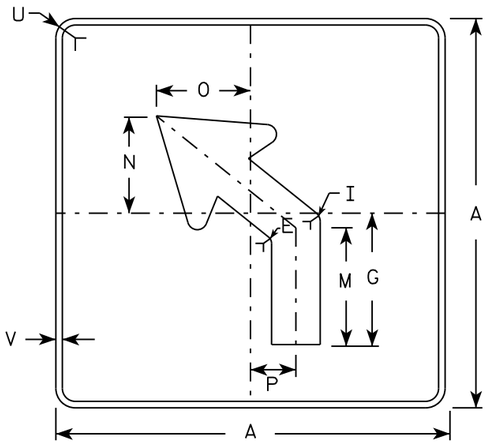
M5-1L
MM5-1L
MO5-1L
MP5-1L



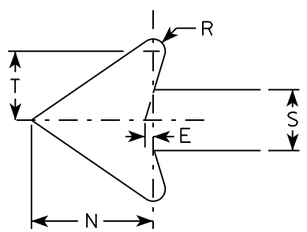
M5-2L
MM5-2L
MO5-2L
MP5-2L



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

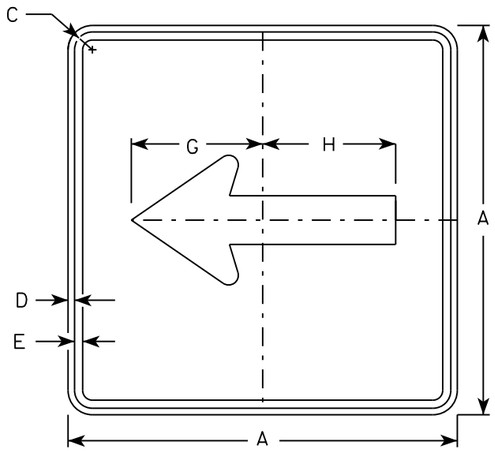
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

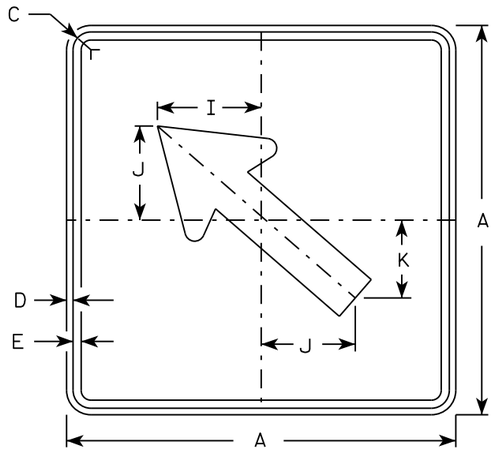
DATE 10/15/15 PLATE NO. M5-1.13

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



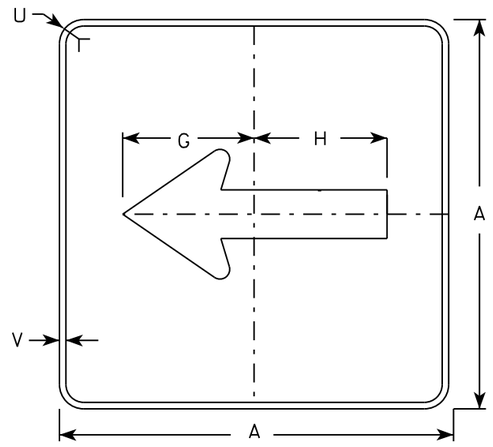
M6-1
MM6-1
MO6-1
MP6-1



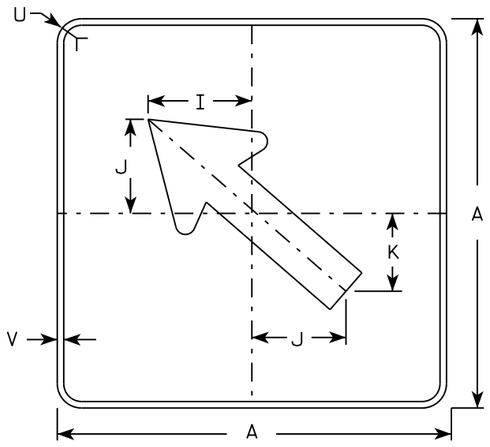
M6-2
MM6-2
MO6-2
MP6-2

NOTES

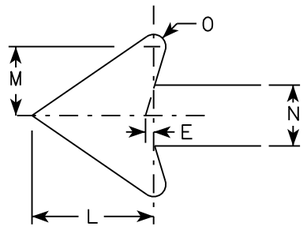
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

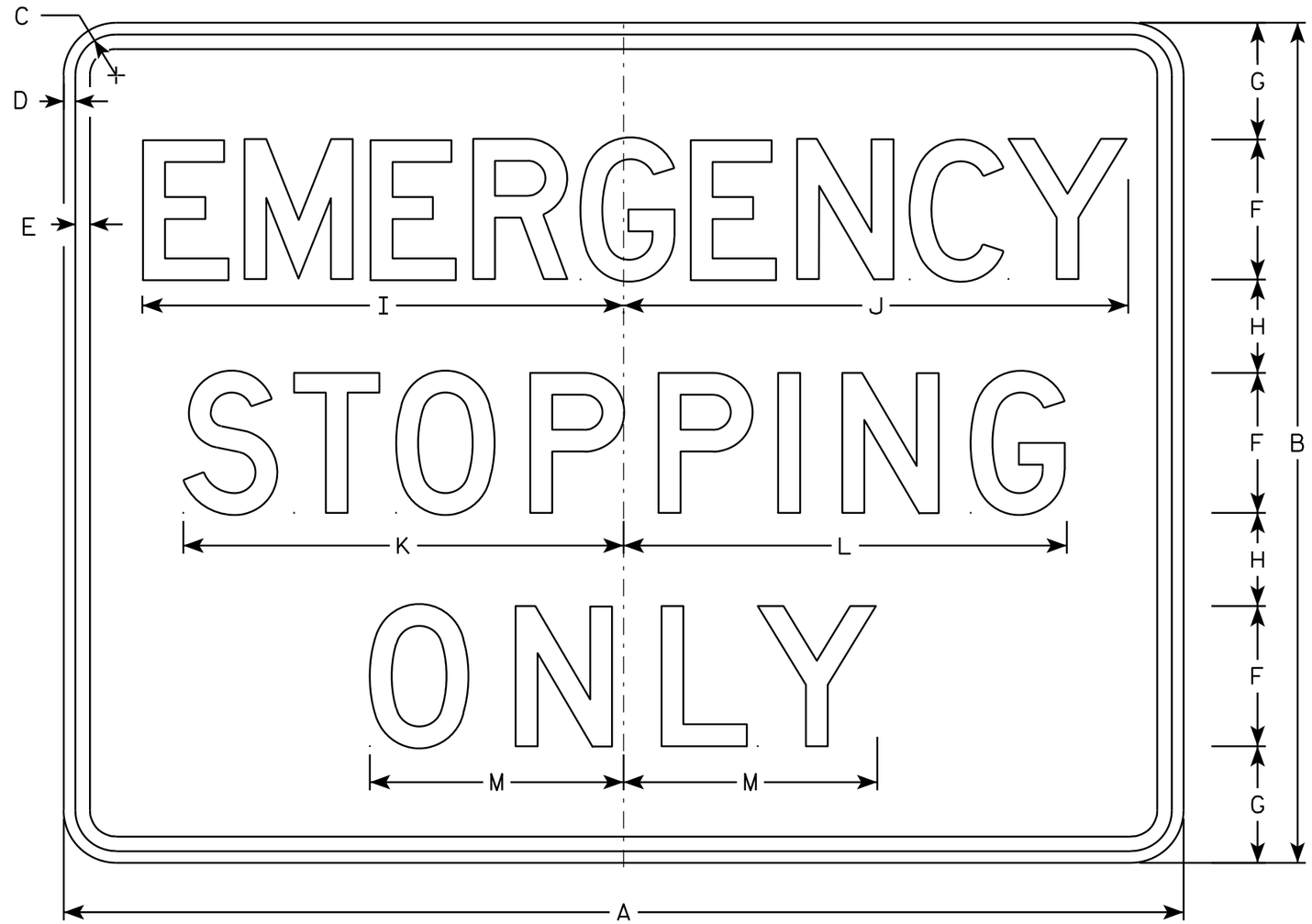
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 258 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



R8-7

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	18 7/8	19	10 7/8														12.0
5	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	18 7/8	19	10 7/8														12.0

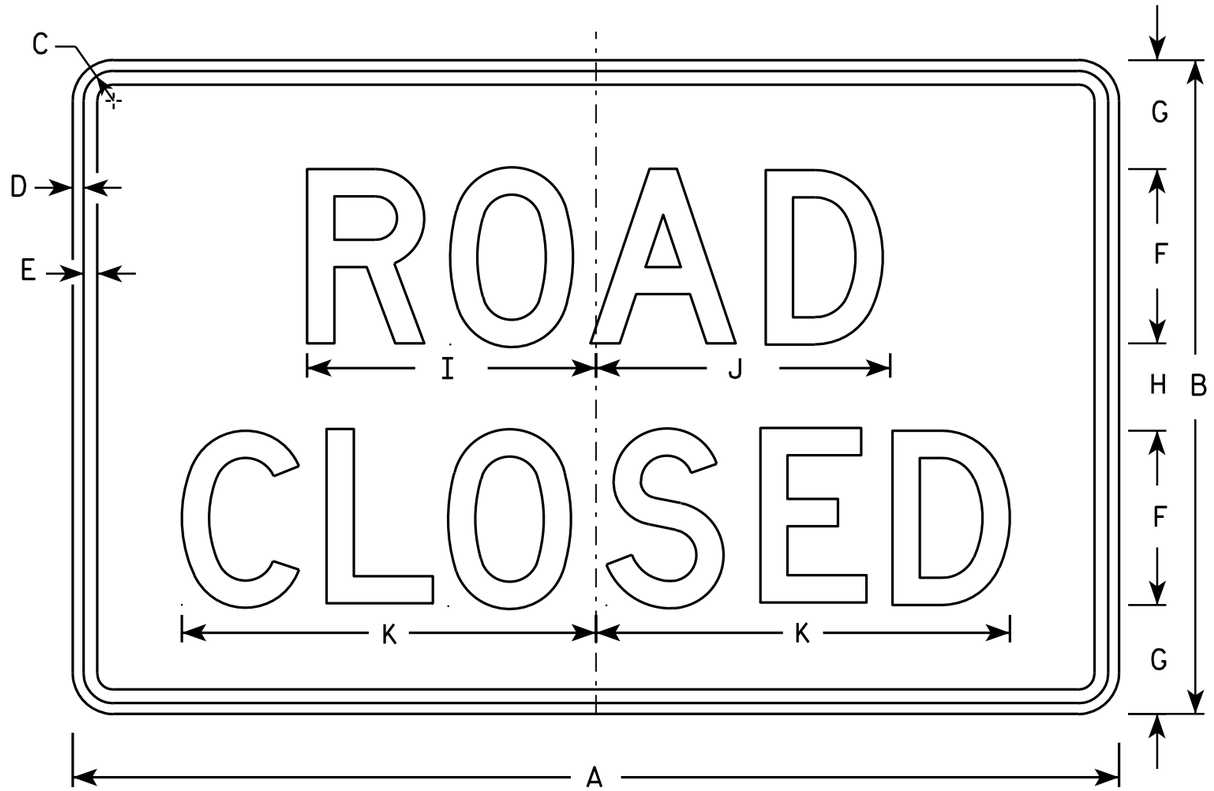
STANDARD SIGN
R8-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R8-7.6

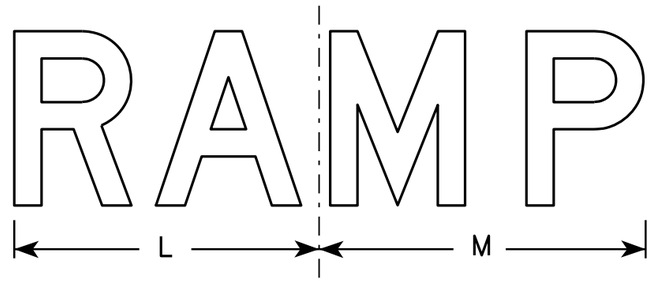
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 259 | E



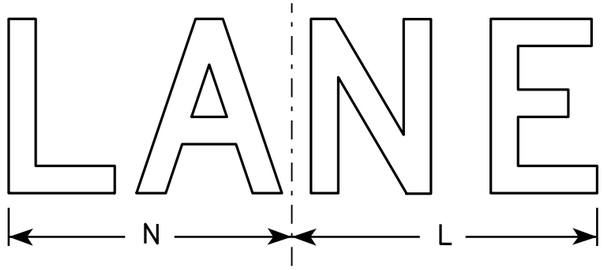
R11-2

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

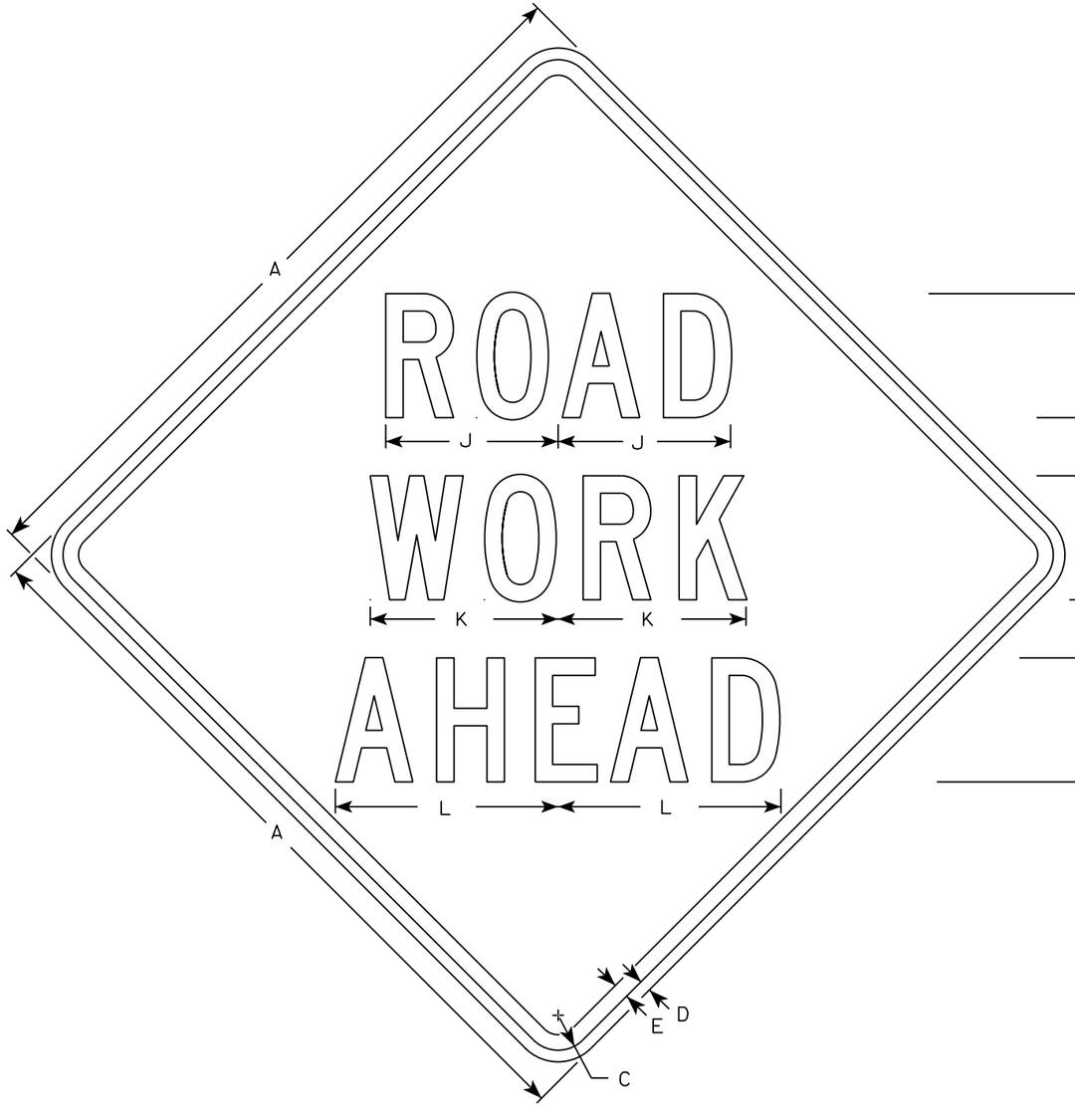
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

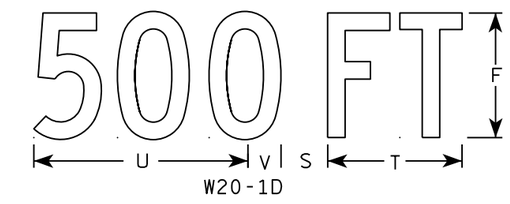
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

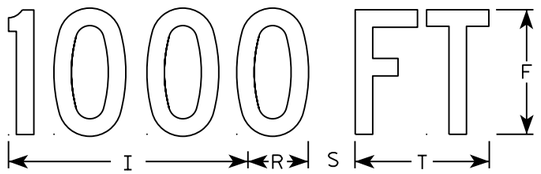
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 260	E



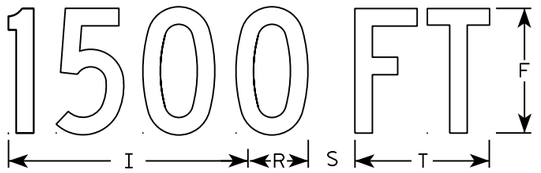
W20-1A



W20-1D

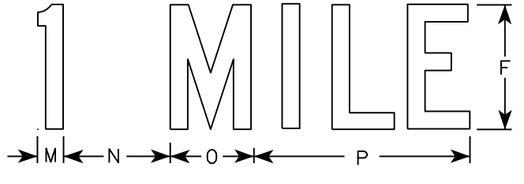


W20-1C

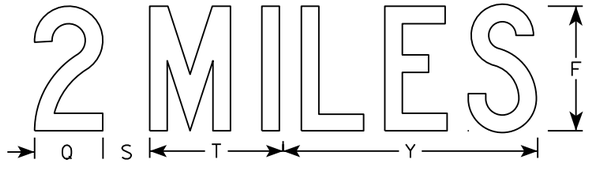


W20-1B

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

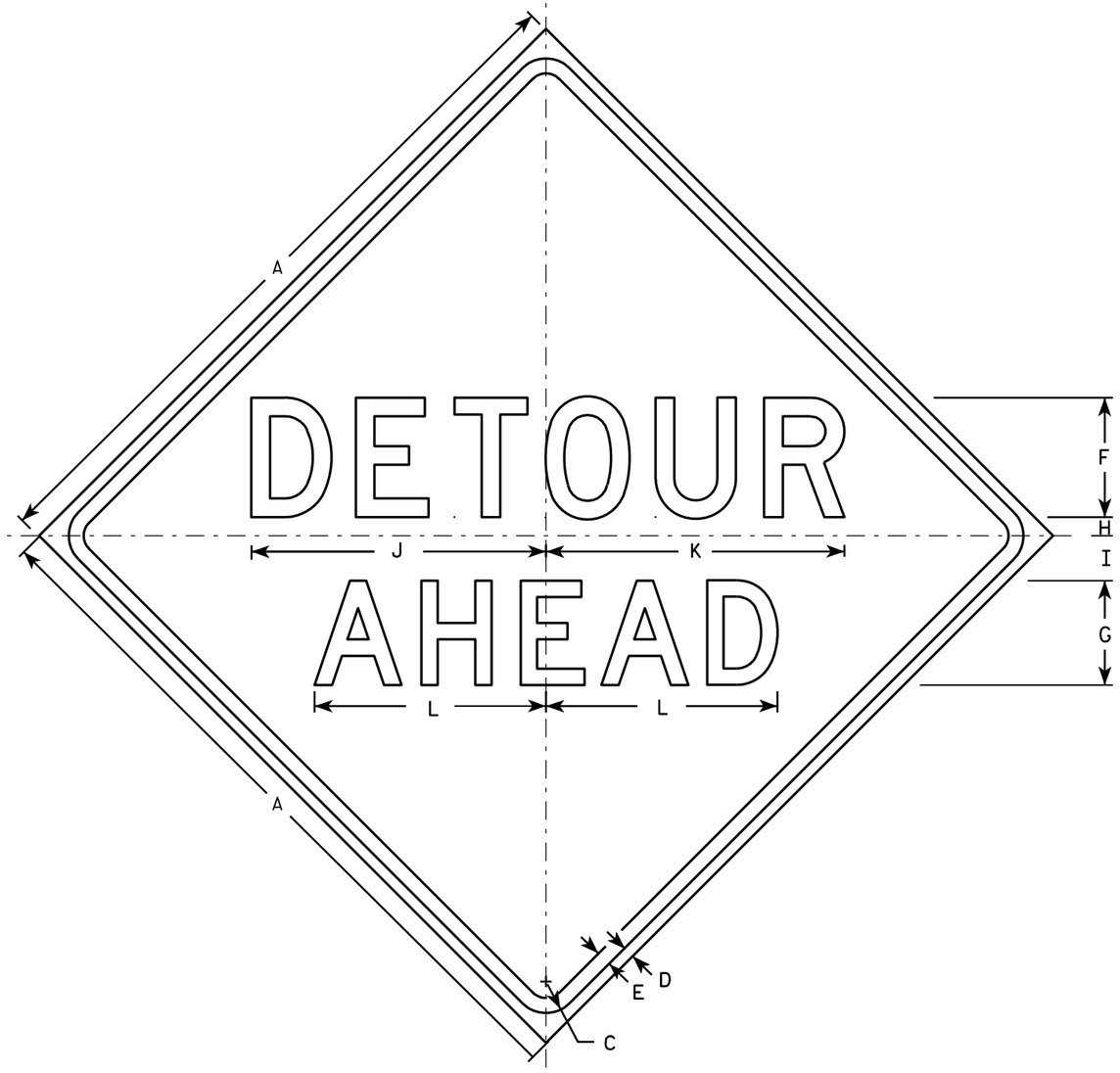
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/07/15 PLATE NO. W20-1.10

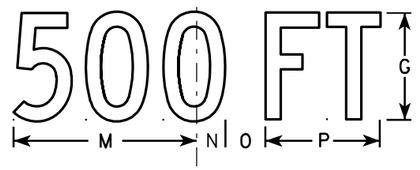
PROJECT NO:

SHEET NO: E

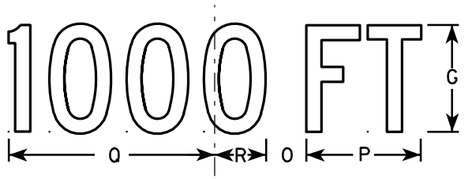
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



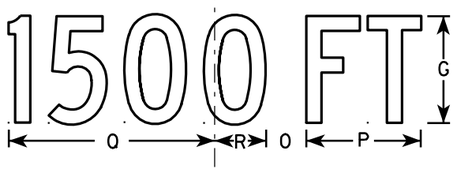
W20-2A



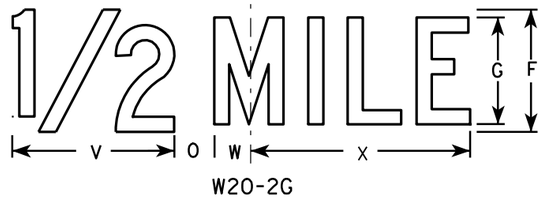
W20-2D



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

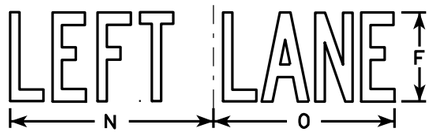
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

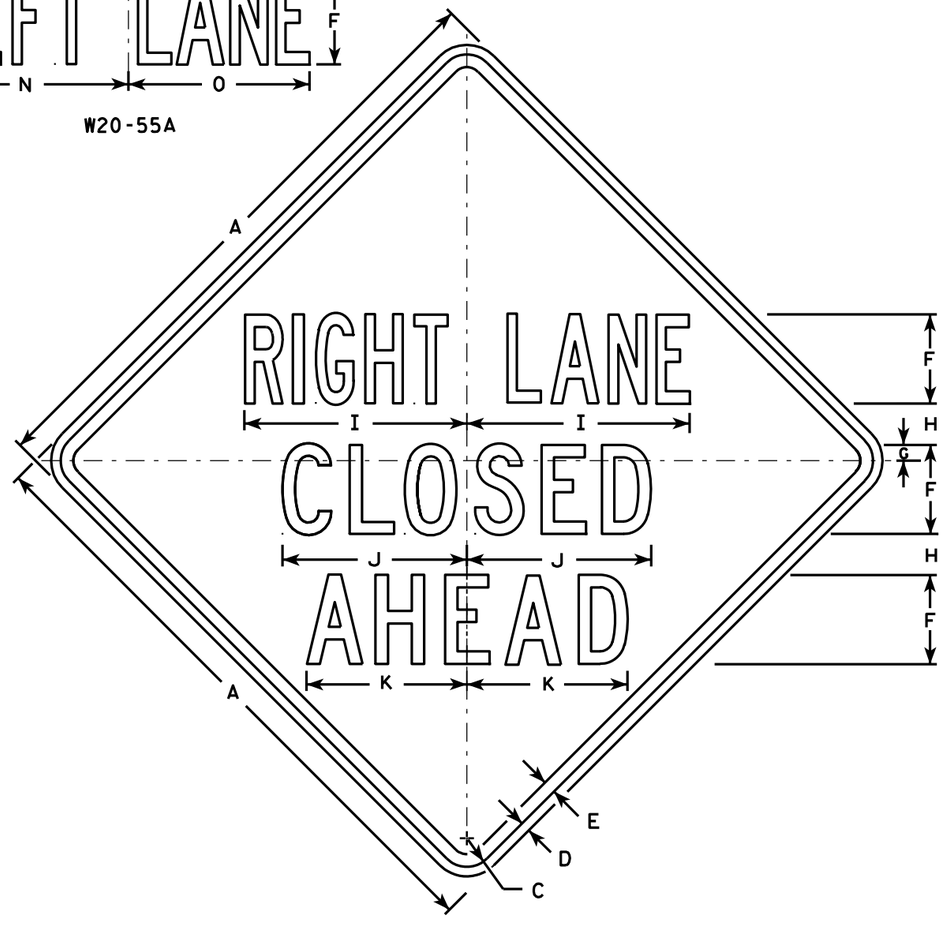
DATE 3/18/11 PLATE NO. W20-2.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 262 | E

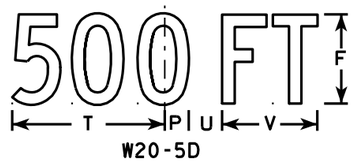
W20-56A



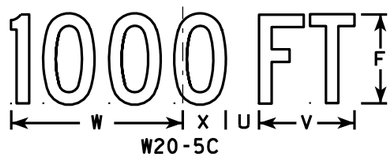
W20-55A



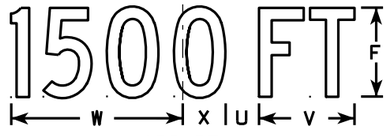
W20-5A



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

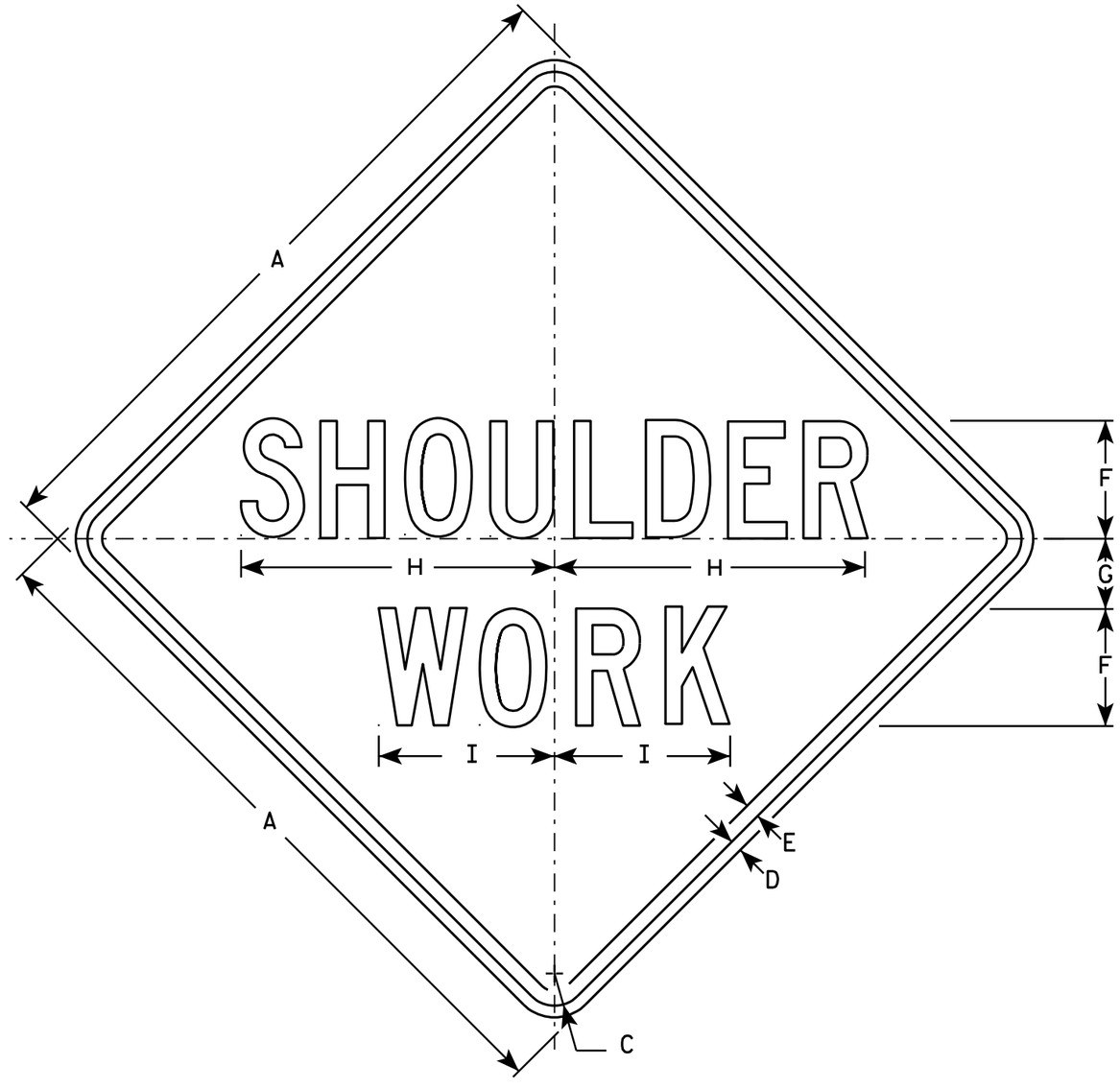
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 263 | 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

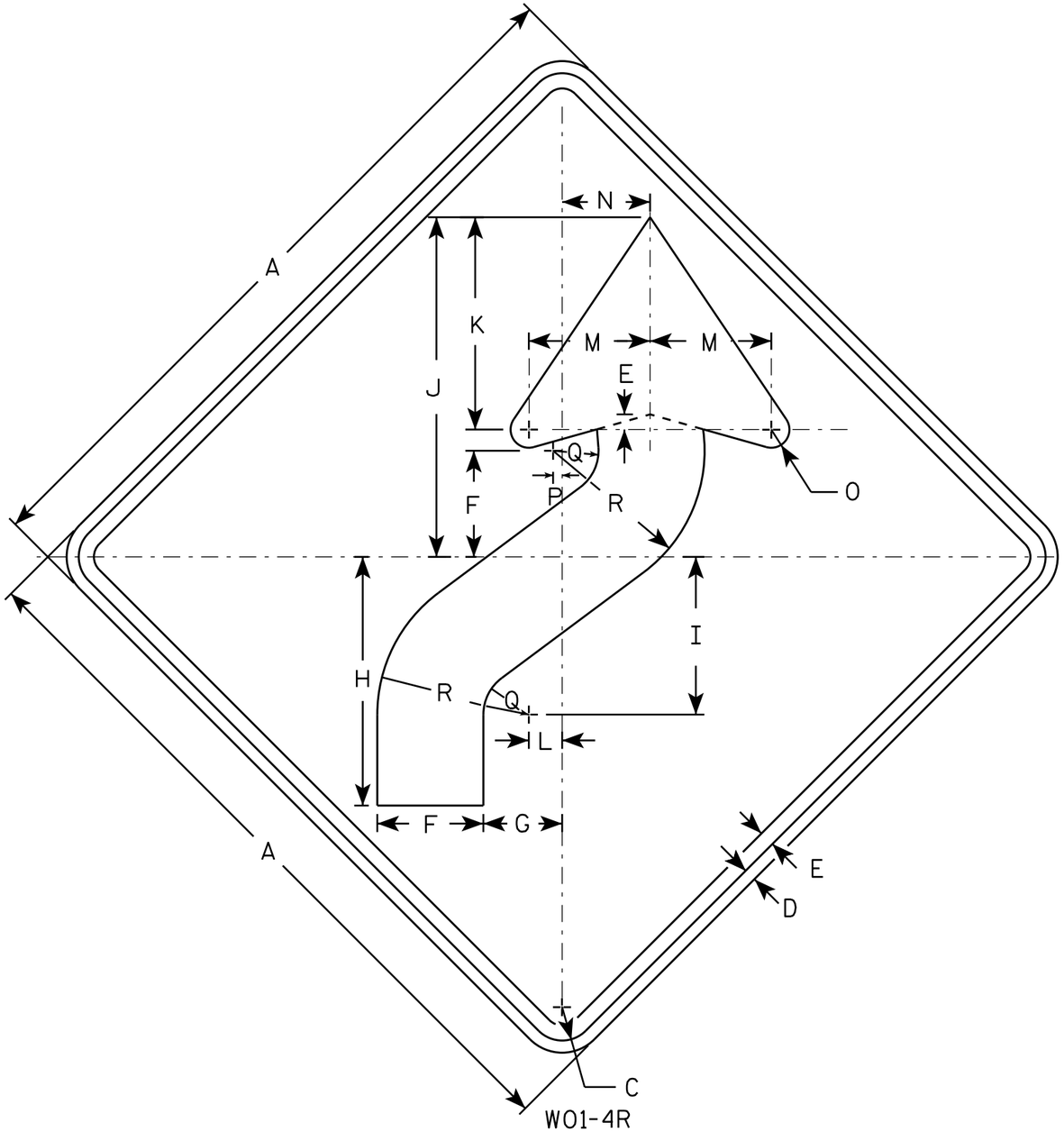
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 264 | 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



W01-4R

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. W01-4L is the same as W01-4R except the arrow 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	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

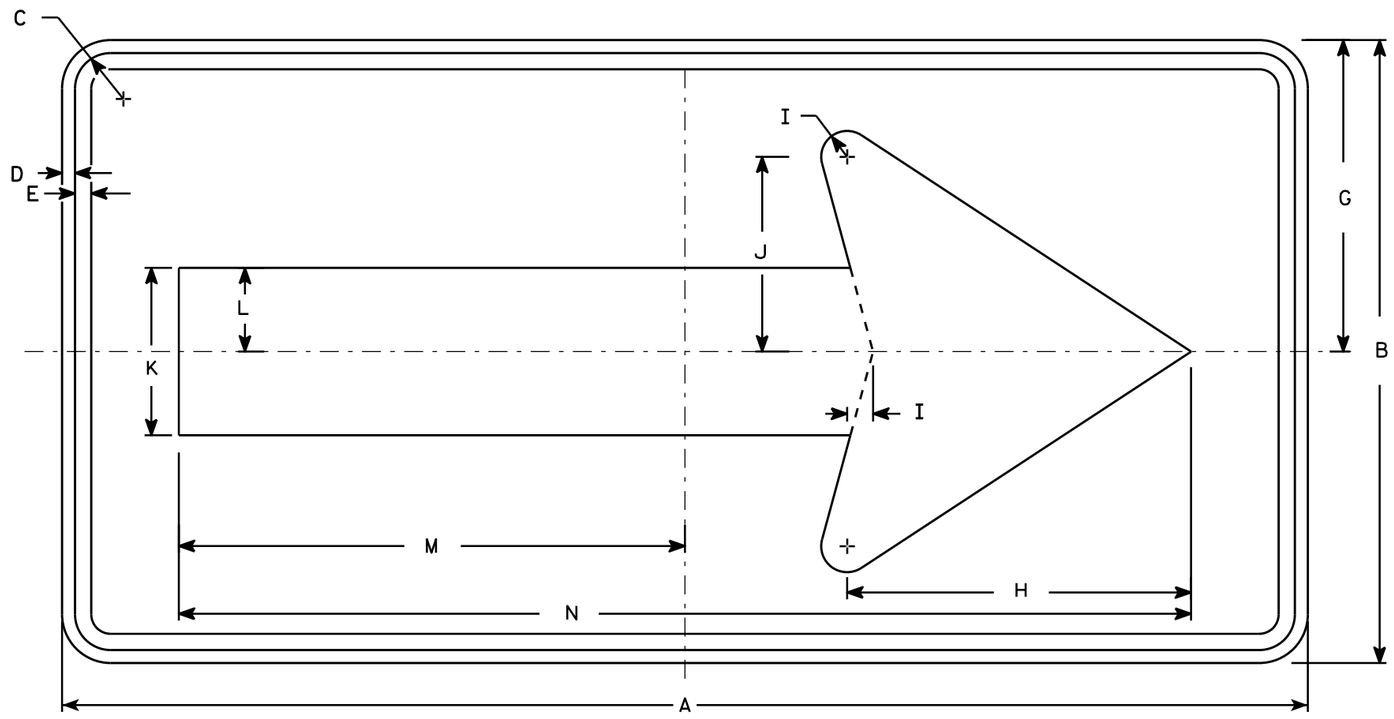
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000
WISDOT/CADDS SHEET 42



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

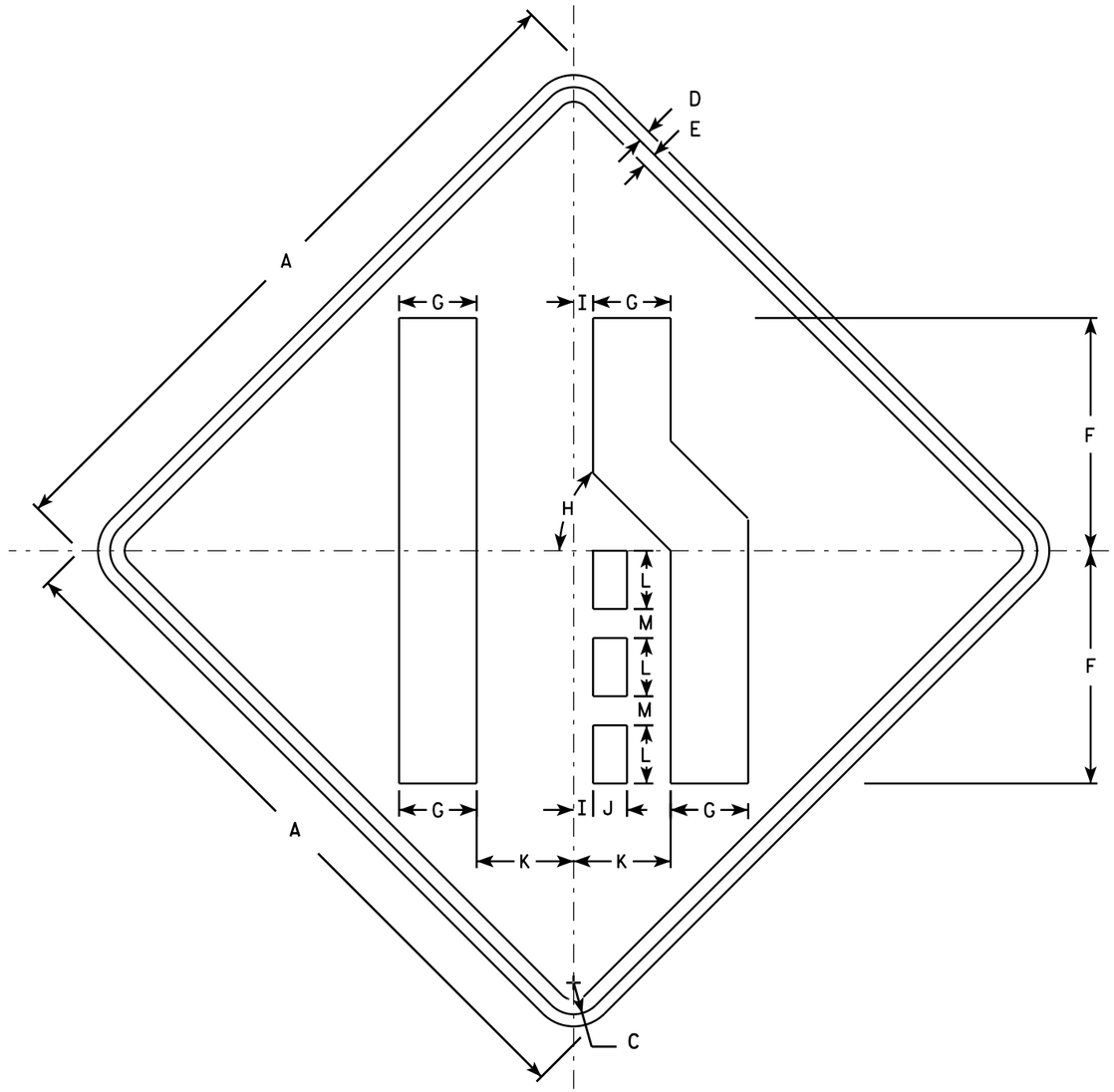
WISCONSIN DEPT OF TRANSPORTATION

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

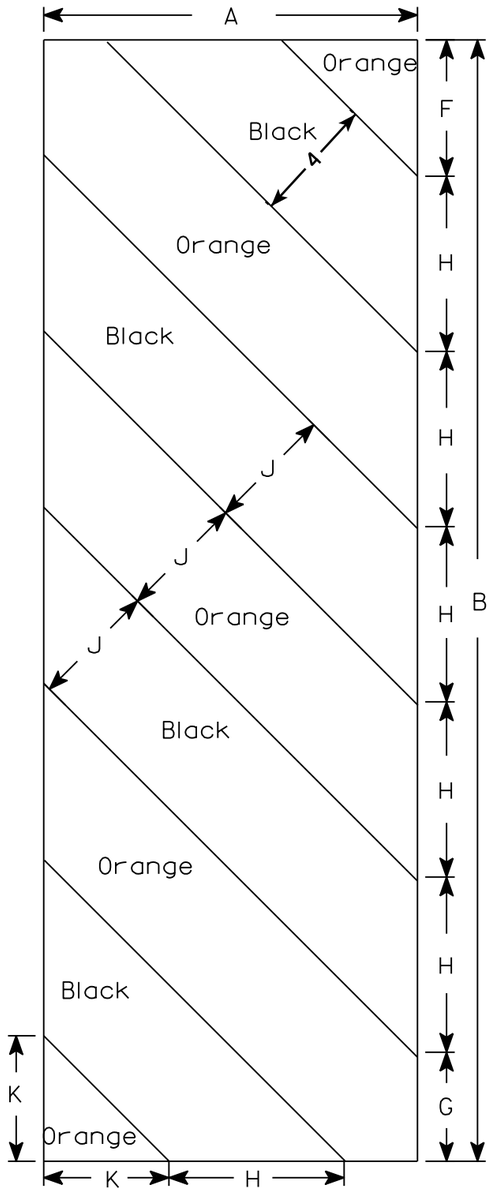
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

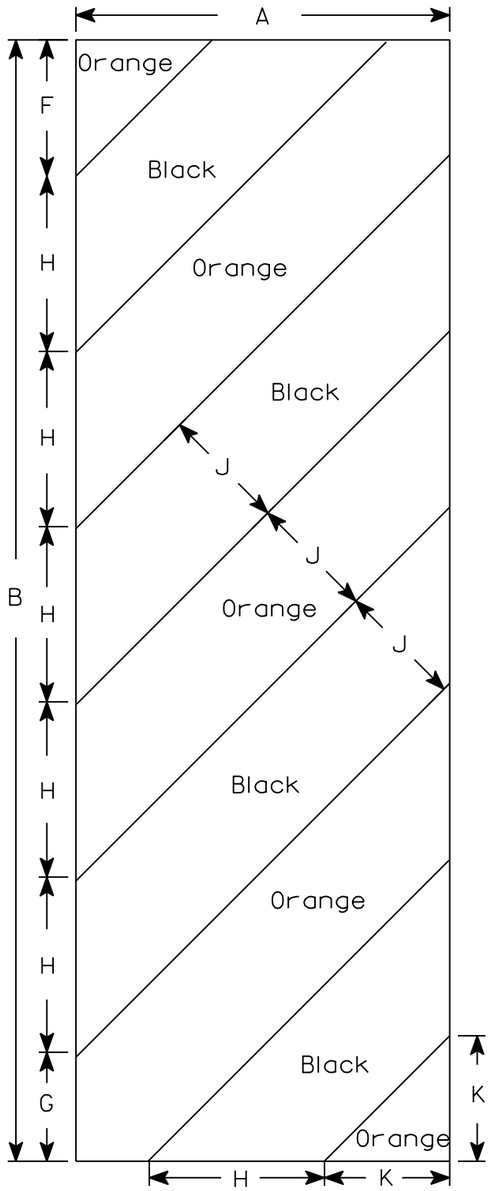
DATE 11/20/13 PLATE 267 W04-2.1

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																											

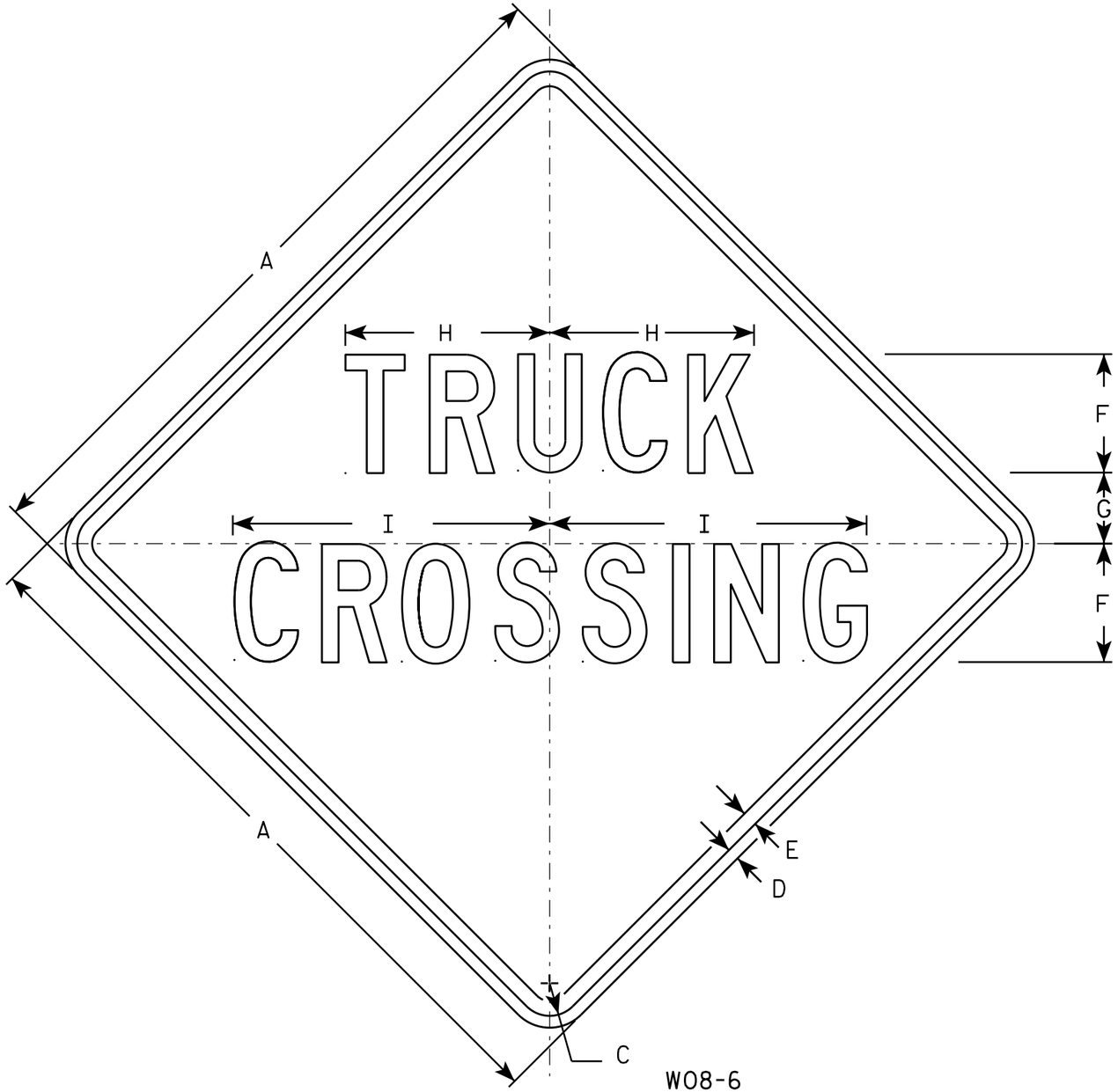
STANDARD SIGN
W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 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

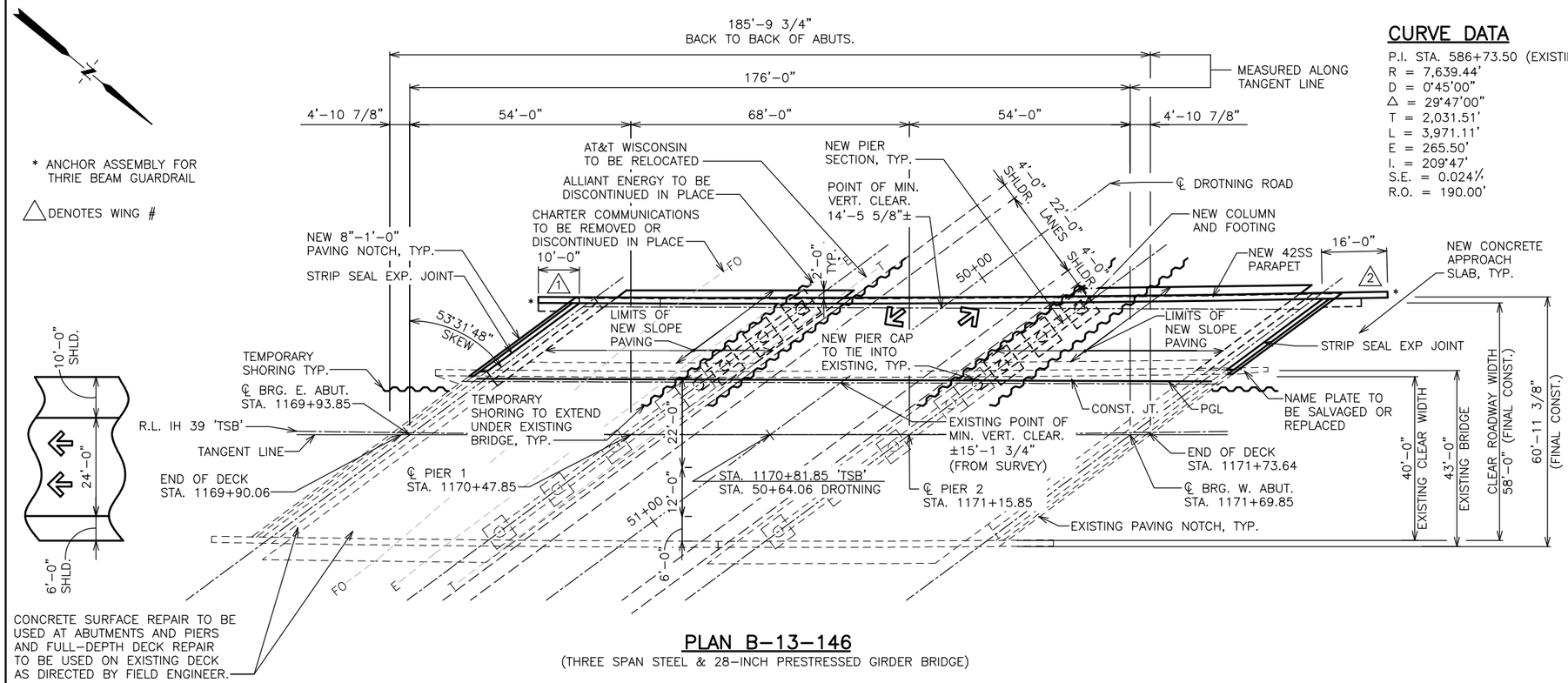
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 269 W08-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

STATE PROJECT NUMBER
1007-10-88



PLAN B-13-146

(THREE SPAN STEEL & 28-INCH PRESTRESSED GIRDER BRIDGE)

CURVE DATA

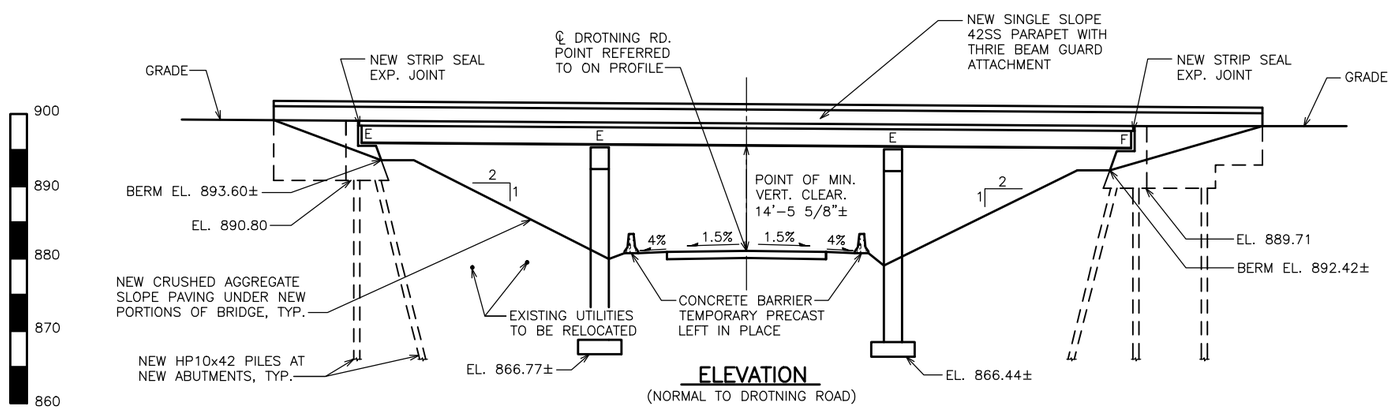
P.I. STA. 586+73.50 (EXISTING)
R = 7,639.44'
D = 0°45'00"
△ = 29°47'00"
T = 2,031.51'
L = 3,971.11'
E = 265.50'
l. = 209°47'
S.E. = 0.024⅓
R.O. = 190.00'

LIST OF DRAWINGS

1. GENERAL PLAN
2. TYPICAL SECTIONS
3. ESTIMATED QUANTITIES AND NOTES
4. SUBSURFACE EXPLORATION
5. EAST ABUTMENT
6. EAST ABUTMENT WING 1 DETAILS
7. EAST ABUTMENT DETAILS
8. WEST ABUTMENT
9. WEST ABUTMENT WING 2 DETAILS
10. WEST ABUTMENT DETAILS
11. PIER 1 & 2
12. FIXED STEEL BEARING DETAILS
13. LAMINATED ELASTOMERIC BEARINGS
14. STRIP SEAL EXPANSION JOINT DETAILS AT ABUTMENTS
15. STRIP SEAL EXPANSION JOINT DETAILS AT ABUTMENTS
16. 28" PRESTRESSED GIRDER DETAILS
17. SUPERSTRUCTURE LAYOUT
18. STEEL DIAPHRAGM DETAILS
19. DECK ELEVATIONS AND TABLE OF DEFLECTIONS
20. SUPERSTRUCTURE
21. SUPERSTRUCTURE PLAN
22. SUPERSTRUCTURE DETAILS AND BILL OF BARS
23. SINGLE SLOPE PARAPET 42SS
24. SLOPE PAVING CRUSHED AGGREGATE

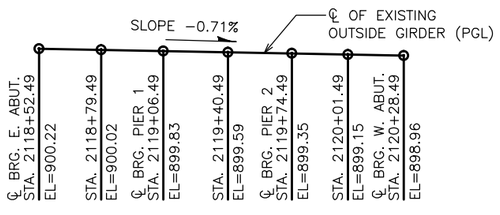
TRAFFIC DATA:

AVERAGE DAILY TRAFFIC (ADT)
IH39 ---------- 56,650 (2020)
58,030 (2022)
R.D.S.---------- 70 MPH
DROTNING RD ---- 40 (2019)
60 (2039)
R.D.S.---------- 50 MPH



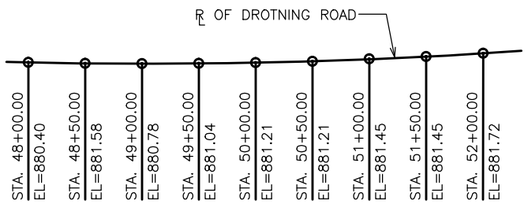
ELEVATION

(NORMAL TO DROTNING ROAD)



PROFILE GRADE I.H. 39

(BASED ON SURVEY)



PROFILE GRADE DROTNING RD.

(BASED ON SURVEY)

BENCH MARKS

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
BM1	STA.2085'SB'+32.06	70.57' LT	SET CAPPED REBAR MONUMENT APPROX. 3400' S. OF DROTNING RD.	806.27

FOR DESIGN DATA SEE SHEET 2

WISDOT BRIDGE OFFICE CONTACT:
WILLIAM DREHER, PE
608.266.8489

OTIE CONTACT:
JAMES HALL, PE, SE
608.241.6717

WISCONSIN JAMES J. HALL E-36232 VERONA, WI PROFESSIONAL ENGINEER 2/9/17

NO.	DATE	REVISION	BY

PLANS PREPARED BY
OTIE An Oneida Nation Company
5100 Eastpark Blvd
Suite 300
Madison, WI 53718
www.OTIE.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 02/22/17
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-146

I.H.39 SB OVER DROTNING RD

COUNTY	TOWN ~~CITY/VILLAGE~~
DANE	PLEASANT SPRINGS

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY SDB	DESIGN CK'D. JJH	DRAWN BY KGC	PLANS CK'D. JJH

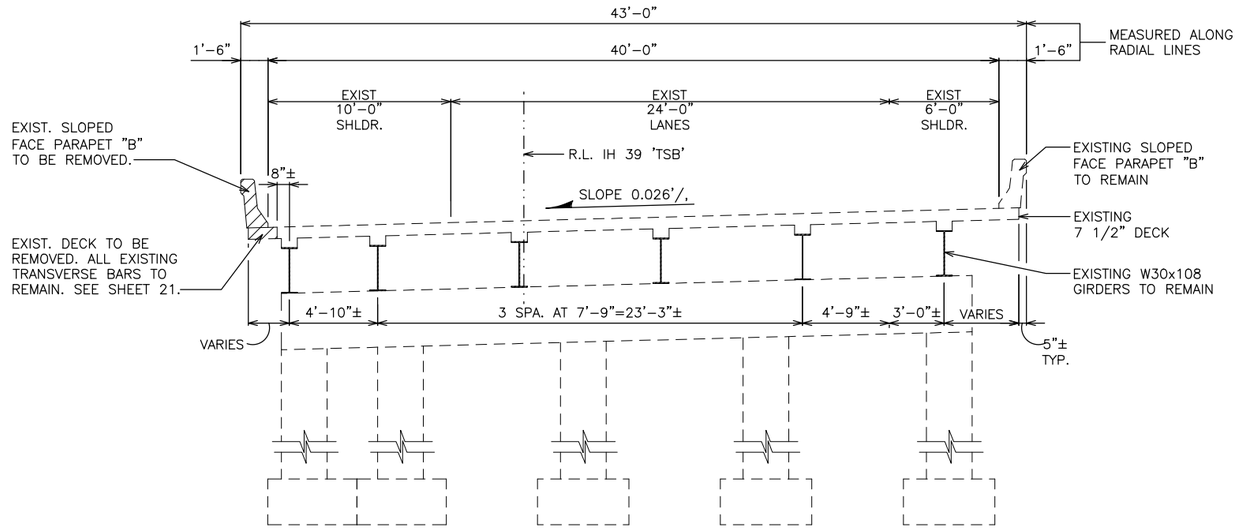
GENERAL PLAN

SHEET 1 OF 24

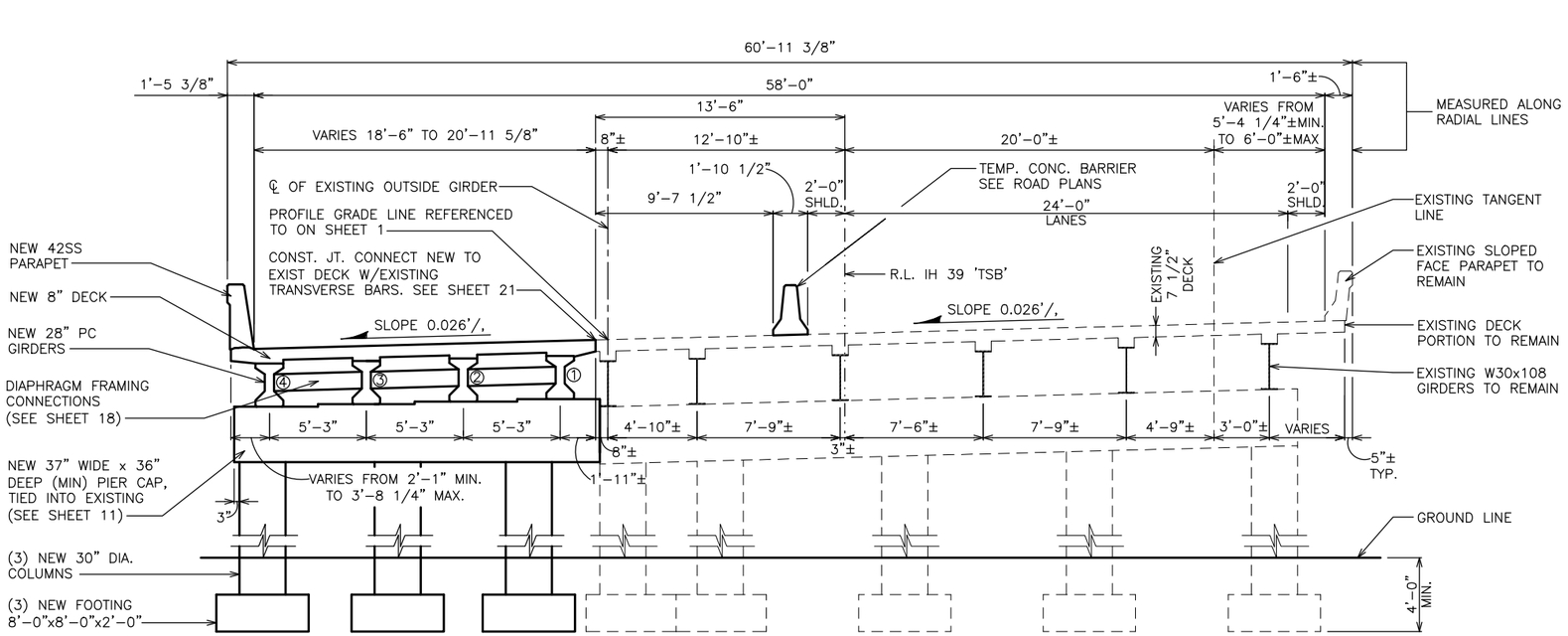
270

8

8



CROSS SECTION THRU EXISTING BRIDGE
(LOOKING WEST)



CROSS SECTION THRU BRIDGE
(LOOKING WEST)

STATE PROJECT NUMBER

1007-10-88

DESIGN DATA

LRFD DESIGN FOR NEW GIRDERS AND SUBSTRUCTURES.

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.06
OPERATING RATING FACTOR: RF=1.40
WISCONSIN STANDARD PERMIT VEHICLE RATING (WIS.-SPV): 210 KIPS

- INVENTORY AND OPERATIONAL RATINGS DO NOT INCLUDE A FUTURE WEARING SURFACE.
- STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 PSF

MATERIAL PROPERTIES:
CONCRETE MASONRY -SLAB----------f'c = 4,000 PSI
-ALL OTHERS-----f'c = 3,500 PSI
HIGH STRENGTH BAR STEEL REINF.
AASHTO GRADE 60----------Fy = 60,000 PSI
28" PRESTRESSED GIRDERS,
CONCRETE MASONRY----------f'c = 8,000 PSI FINAL
STRANDS-0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 PSI
STRUCTURAL STEEL
ASTM A709 GRADE 36----------Fy = 36,000 PSI (DIAPHRAGMS)

EXISTING GIRDERS AND SUBSTRUCTURES

DESIGN LOADING = HS-20
INVENTORY RATING = HS-20
OPERATIONAL RATING = HS-33

MATERIAL PROPERTIES:
DESIGN SOIL BEARING PRESSURE
PIER----------5 TONS/SF
CONCRETE MASONRY
SLAB----------f'c = 4,000 P.S.I.
ALL OTHER----------f'c = 3,500 P.S.I.
HIGH STRENGTH BAR STEEL REINF. (1990 REDECK AND WIDENING)
fy = 50,000 P.S.I.
STRUCTURAL CARBON STEEL (1990 REDECK AND WIDENING)
A.S.T.M. A36----------fs = 20,000 P.S.I.
A.S.T.M. A572----------fs = 27,000 P.S.I.
*EXISTING STEEL (1961 CONSTRUCTION)
A.S.T.M. A-7----------fs = 22,900 P.S.I.
*FROM MILL TEST REPORT USING ASTM A373-58T (1961 CONST.)

FOUNDATION DATA

ABUTMENT WIDENINGS SHALL BE SUPPORTED ON HP 10x42 STEEL PILES WITH A REQUIRED DRIVING RESISTANCE OF 65 TONS* PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH OF 35 FEET FOR WEST ABUTMENT AND 30 FEET FOR EAST ABUTMENT.

PIERS SHALL BE SUPPORTED ON SOUND ROCK WITH A MIN. BEARING CAPACITY = 5 TONS/SF.

*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.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-146

DRAWN BY KGC | PLANS CHK'D JJH

TYPICAL SECTIONS

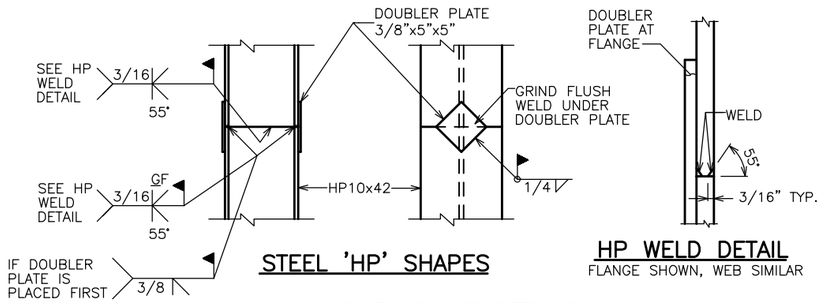
SHEET 2 OF 24

271

8

8

STATE PROJECT NUMBER
1007-10-88



STEEL 'HP' SHAPES

HP WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

PILE SPLICE DETAILS

GENERAL NOTES

DRAWINGS ARE NOT TO BE SCALED.

DIMENSIONS AND ELEVATIONS ARE BASED ON EXISTING ORIGINAL STRUCTURE PLANS, DECK REPLACEMENT PLANS, AND FIELD SURVEY.

BAR STEEL REINFORCING SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

SALVAGE EXISTING NAME PLATE IF POSSIBLE, OTHERWISE THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR OF 1961.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAW CUT UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES SHALL BE THE EXISTING GROUNDLINE.

SEE ROADWAY PLANS FOR LANE STAGING AND TRAFFIC.

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, ABUTMENT DETAILS AND ALL DETAILS SHOWN IN PLAN.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON SHEET 16.

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 BACKFILL STRUCTURE TYPE A. SEE SHEETS 7 AND 10 FOR DETAIL.

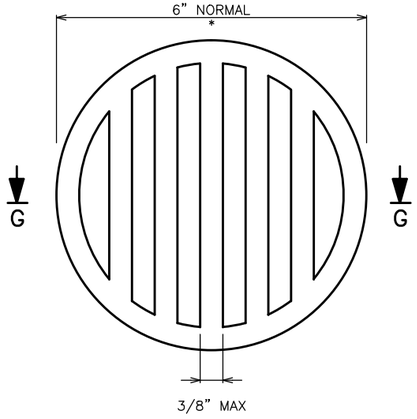
APPLY PROTECTIVE SURFACE TREATMENT TO TOP OF NEW BRIDGE DECK AND PIGMENTED SURFACE SEALER TO TOP AND INSIDE FACES OF NEW PARAPET.

THE EXISTING BRIDGE B-13-146 IS A 3-SPAN CONTINUOUS STEEL GIRDER BRIDGE WITH AN OVERALL LENGTH OF 185'-9 1/2" AND A CLEAR ROADWAY WIDTH OF 40'.

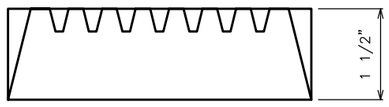
TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	EAST ABUT.	PIER 1	PIER 2	WEST ABUT.	SUPER STRUCT.	TOTALS
	203.0200	REMOVING OLD STRUCTURE STA. 1170'TSB'+81.85	LS	--	--	--	--	--	1
	206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-13-146	LS	--	--	--	--	--	1
	210.1500	BACKFILL STRUCTURE TYPE A	TON	220	--	--	210	--	430
	502.0100	CONCRETE MASONRY BRIDGES	CY	43.7	39.1	39.1	46.0	139.4	308
	502.3100	EXPANSION DEVICE B-13-146	LS	--	--	--	--	--	1
	502.3200	PROTECTIVE SURFACE TREATMENT	SY	--	--	--	--	400	400
	502.3210	PIGMENTED SURFACE SEALER	SY	--	--	--	--	110	110
	502.4204	ADHESIVE ANCHORS NO. 4 BAR	EA	8	8	8	8	--	32
	502.4205	ADHESIVE ANCHORS NO. 5 BAR	EA	3	--	--	3	--	6
	502.4206	ADHESIVE ANCHORS NO. 6 BAR	EA	8	--	--	8	--	16
	502.4207	ADHESIVE ANCHORS NO. 7 BAR	EA	--	12	12	--	--	24
	502.4208	ADHESIVE ANCHORS NO. 8 BAR	EA	7	--	--	5	--	12
	503.0128	PRESTRESSED GIRDER TYPE I 28-INCH	LF	--	--	--	--	708	708
	505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2,410	2,170	2,170	2,350	--	9,100
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,270	4,790	4,790	1,620	31,650	44,120
	506.2610	BEARING PADS ELASTOMERIC LAMINATED	EA	4	8	8	--	--	20
	506.4000	STEEL DIAPHRAGMS B-13-146	EA	--	--	--	--	9	9
	506.5000	BEARING ASSEMBLIES FIXED B-13-146	EA	--	--	--	4	--	4
★	509.1500	CONCRETE SURFACE REPAIR	SF	--	--	--	--	--	100
★	509.2000	FULL-DEPTH DECK REPAIR	SY	--	--	--	--	12	12
	511.1200	TEMPORARY SHORING B-13-146	SF	150	1,800	1,800	150	--	3,900
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	8	--	--	9	--	17
	550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	240	--	--	315	--	555
	604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	140	--	--	140	--	280
	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	50	--	--	65	--	115
	614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EA	1	--	--	1	--	2
		NON-BID-ITEMS							
		FILLER	SIZE						3/4"

★ CONCRETE SURFACE REPAIR TO BE USED AT ABUTMENTS AND PIERS AND FULL-DEPTH DECK REPAIR TO BE USED ON EXISTING DECK AS DIRECTED BY FIELD ENGINEER.



RODENT SCREEN DETAIL



SECTION G-G

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SCREEN, PIPE COUPLING AND SCREWS SHALL BE INCLUDED WITH THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6 INCH".

THE RODENT SCREEN SHALL BE PVC A 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 SCREEN SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1" STAINLESS SHEET METAL SCREWS.

8

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NO.	DATE	REVISION	BY

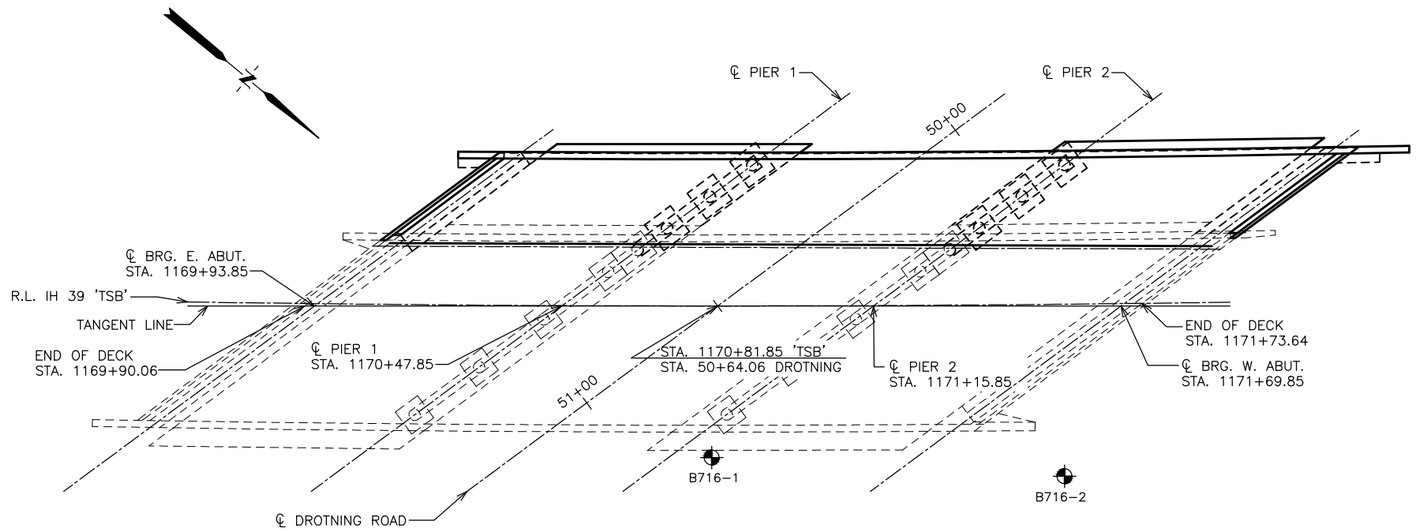
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-146

DRAWN BY KGC | PLANS CHK'D JJH

ESTIMATED QUANTITIES AND NOTES

SHEET 3 OF 24



BORINGS TAKEN BY:
GESTRA ENGINEERING, INC.
MILWAUKEE, WI
OCT 17, 2012 – JAN 24, 2013

STATE PROJECT NUMBER

1007-10-88

ABBREVIATIONS

F— Fine M— Medium C— Coarse
Ws— Weathered So— Sound

MATERIAL SYMBOLS

Topsoil, Sand, Gravel, Silt, Peat, Clay, Sandstone, Limestone, Igneous Rock

LEGEND OF PROBING

95/6=95 Blows for 6" Penetration Probing taken with a 350#wt. Falling 18" on a 2" O.D. Point.

Probing No.
Sta.
Elevation
7 Average Blows Per Foot
Refusal 95/6

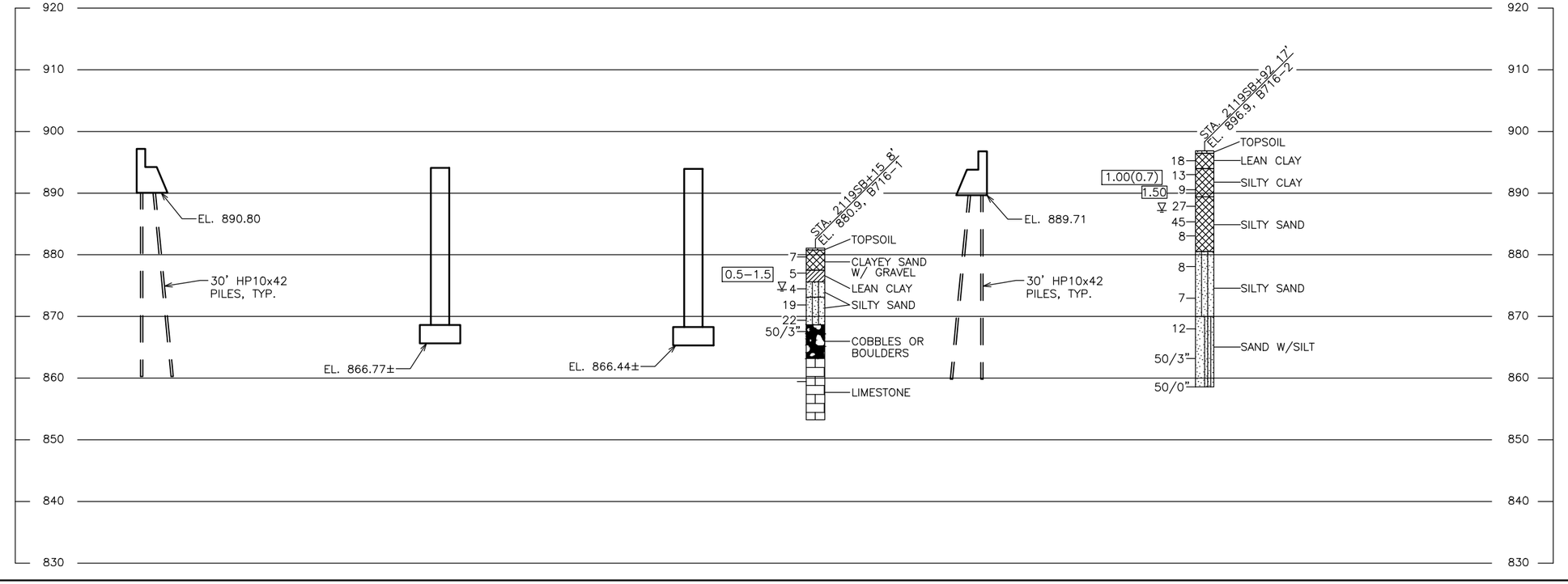
LEGEND OF BORING

BORING NO.
STA.
Elev.
Unconfined Strength → 7.7
Blows Per Ft. Using 140# Wt. Falling 30"
Wash Sample
Shelby Tube — S.T.
Ground Water Elevation
No Ground Water Observed Above This Elevation
Sandy Gravel
F.
Boulders or Cobbles
Sand
Silty Clay
So Limestone

UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A 2"O.D.x1.4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.



NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-146

DRAWN BY KGC | PLANS CHK'D JJH

SUBSURFACE EXPLORATION

SHEET 4 OF 24

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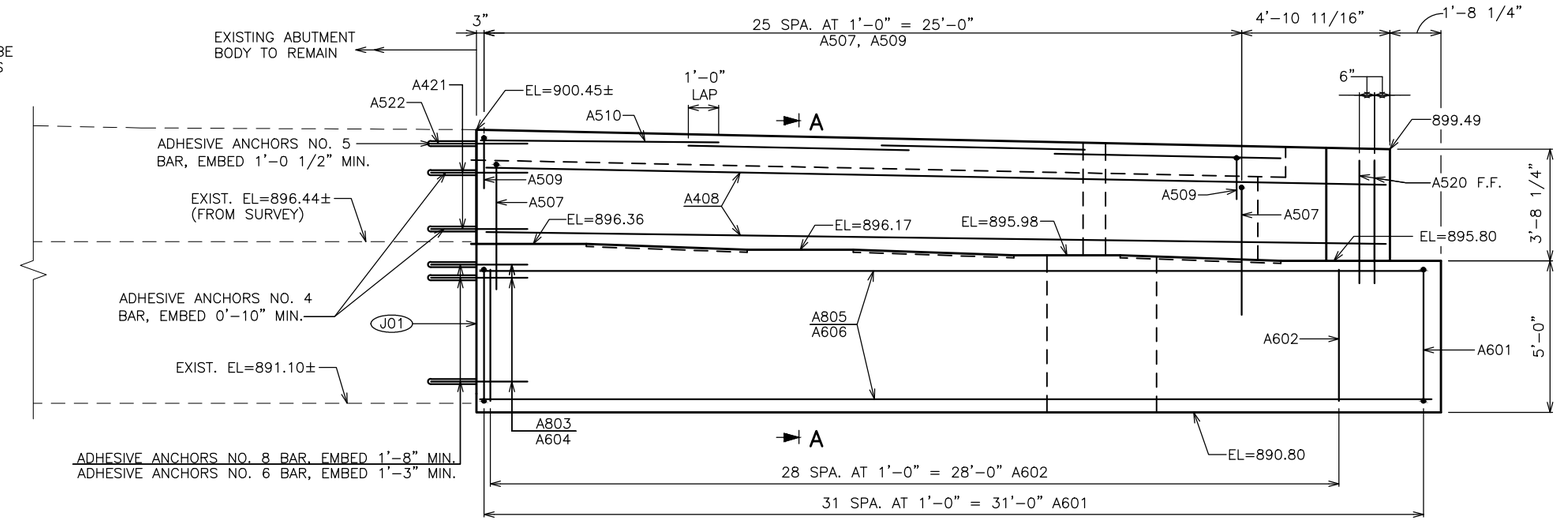
8

8

STATE PROJECT NUMBER
1007–10–88

NOTE:
CONCRETE SURFACE REPAIR TO BE USED AT EXISTING ABUTMENTS AS DIRECTED BY FIELD ENGINEER.

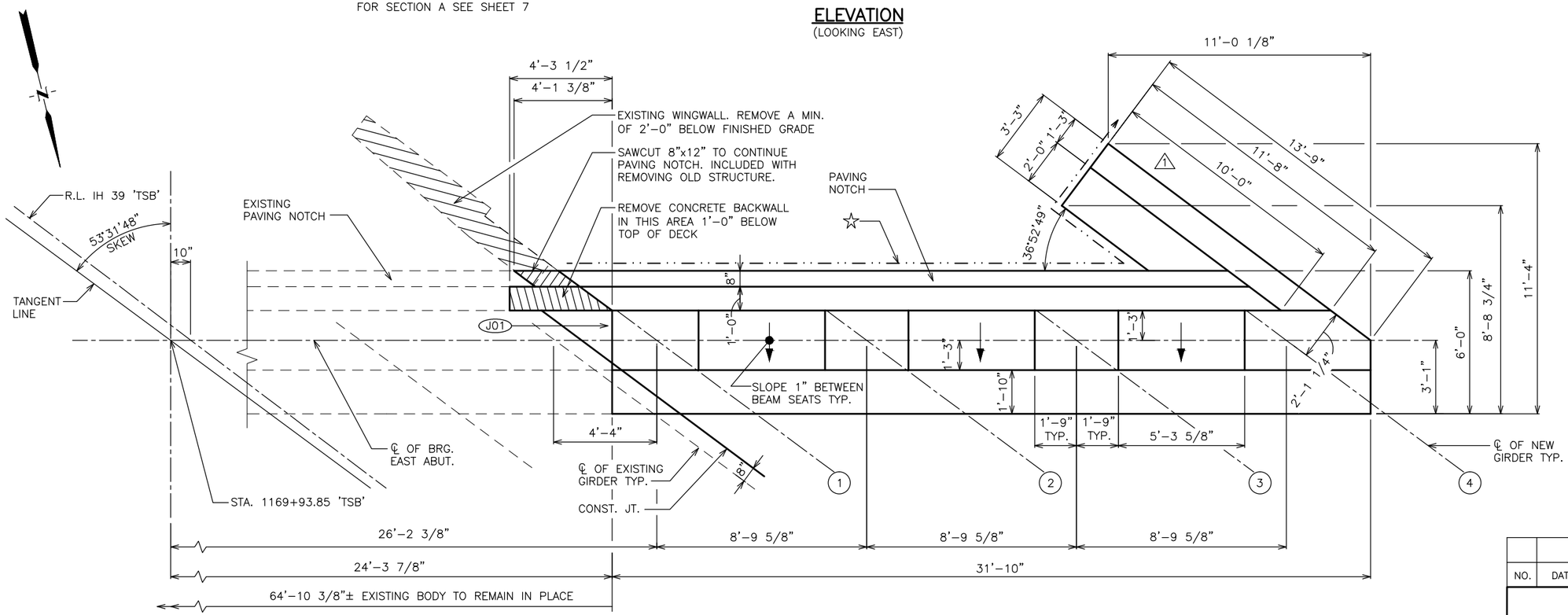


FOR SECTION A SEE SHEET 7

ELEVATION
(LOOKING EAST)

J01 ROUGHEN SURFACE OF CONCRETE 1/4" DEEP MIN. ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

☆ PIPE UNDERDRAIN WRAPPED (6–INCH) SLOPED TO DRAIN. SEE SHEET 7.



PLAN

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–146

DRAWN BY KGC | PLANS CHK'D JJH

EAST ABUTMENT

SHEET 5 OF 24

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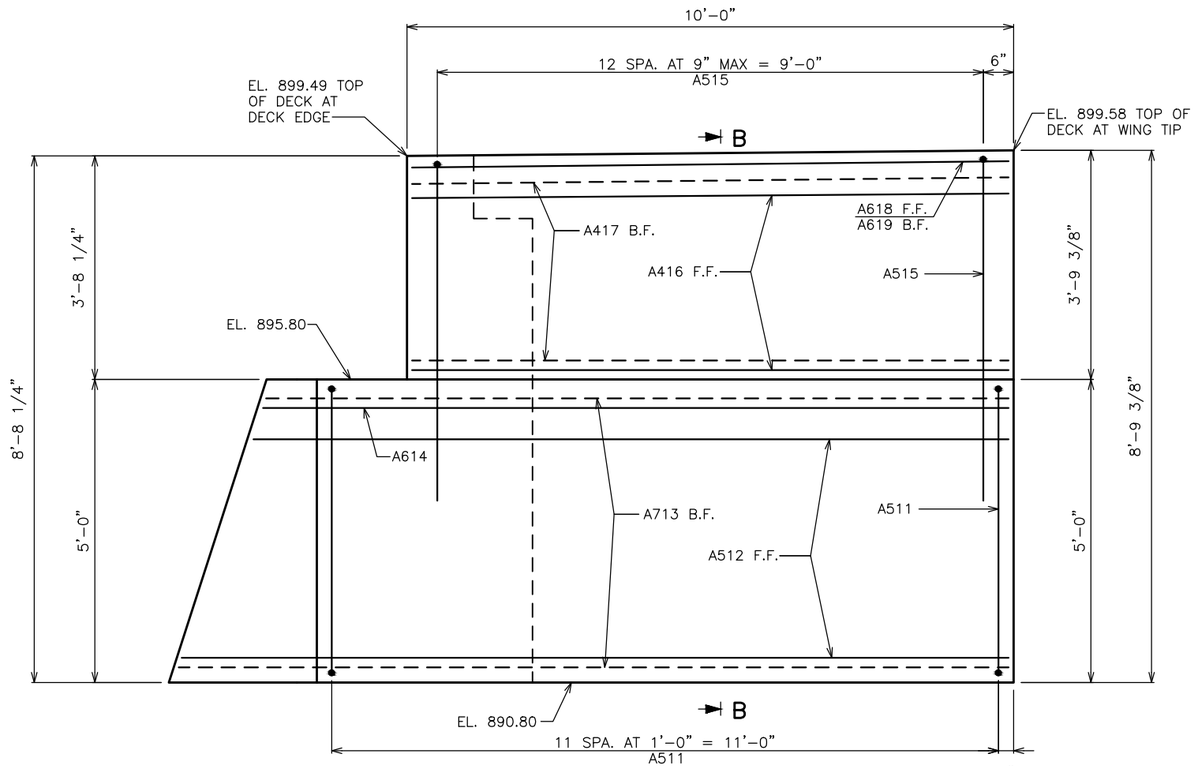
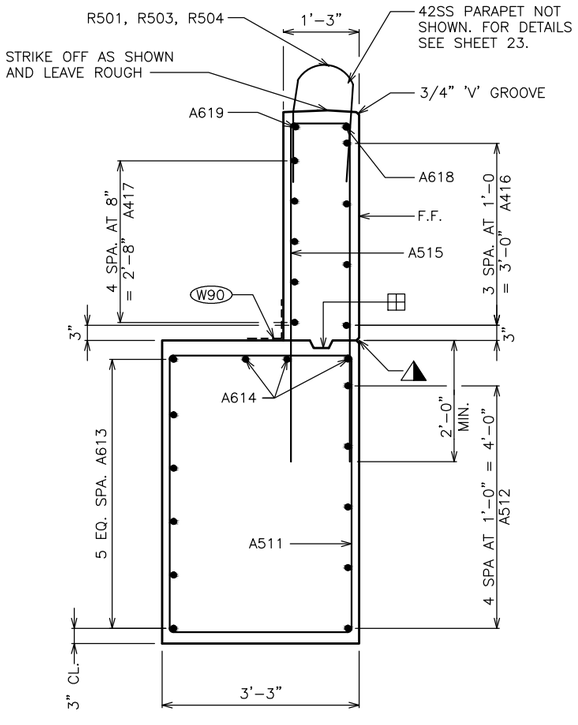
STATE PROJECT NUMBER

1007-10-88



ELEVATION WING 1



SECTION B

DENOTES BATTERED PILES. BATTER 3"/FOOT IN DIRECTION SHOWN

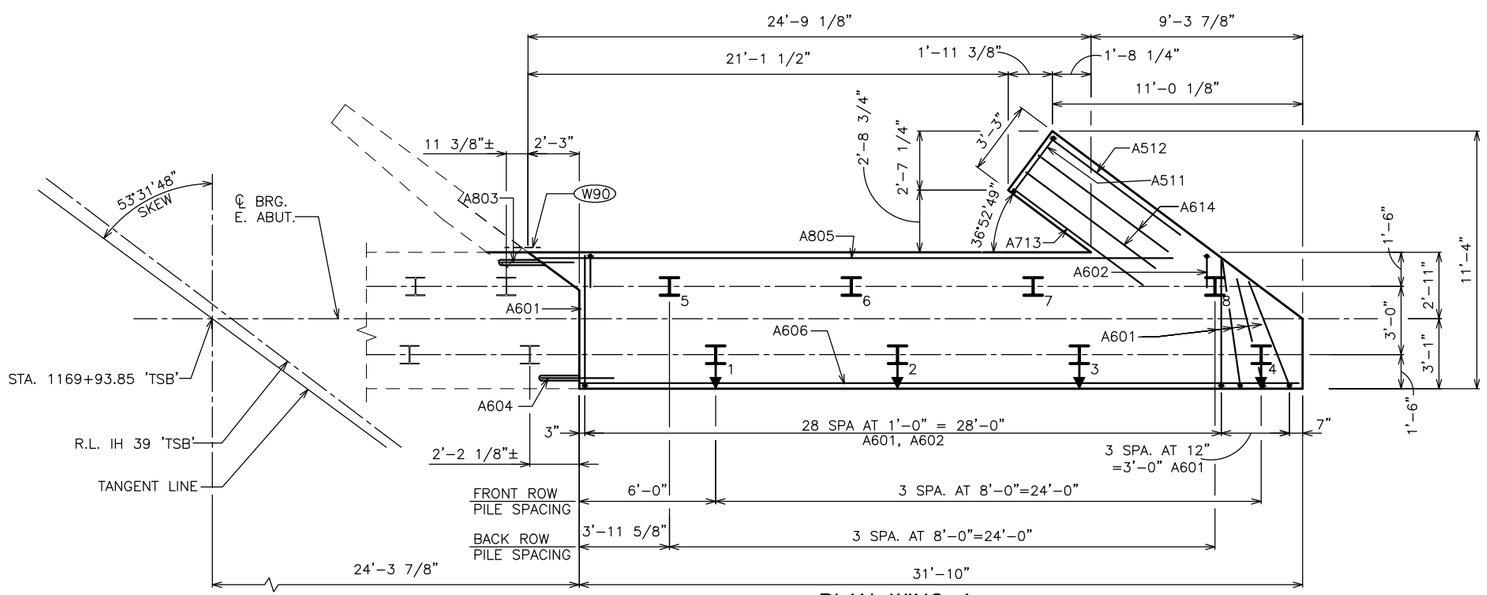
W90 — 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT

OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

3/4" 'V' GROOVE ON F.F. OF WINGWALL. OMIT IF CONST. JOINT NOT USED.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE



PLAN WING 1

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-146

DRAWN BY KGC | PLANS CHK'D JJH

EAST ABUTMENT WING 1 DETAILS

SHEET 6 OF 24

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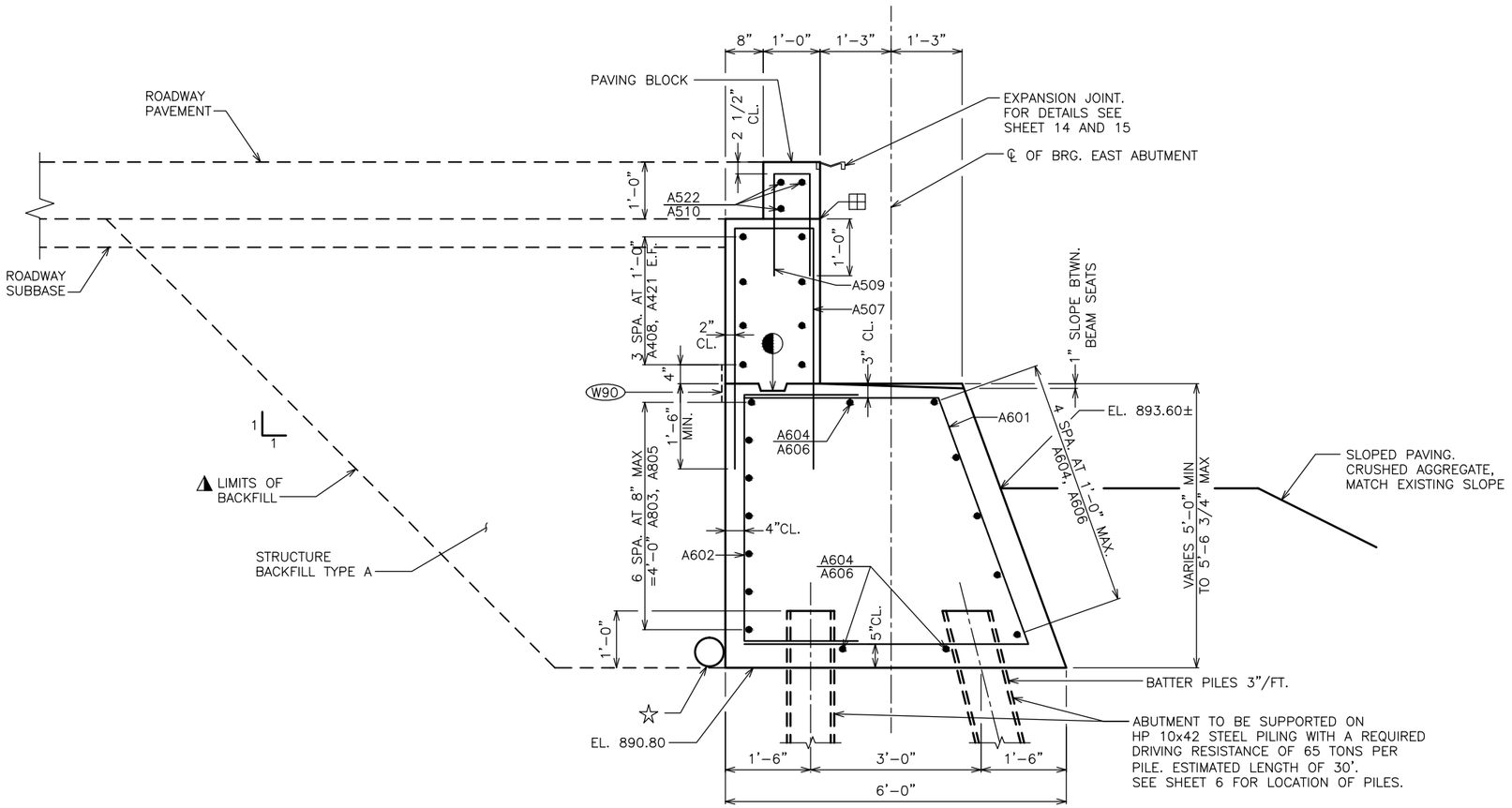
STATE PROJECT NUMBER
1007–10–88



SECTION A

FOR LOCATION OF SECTION "A", SEE SHEET 5.

WEIGHTS INCLUDE PARAPET STEEL SHOWN ON SHEET 23

COATED: 1,270 LBS

UNCOATED: 2,410 LBS

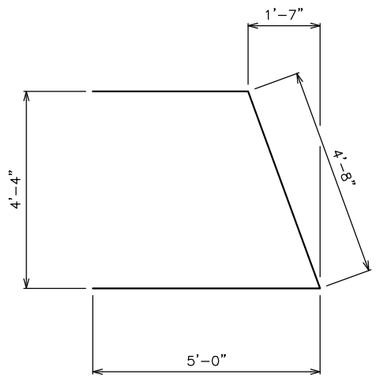
BILL OF BARS

FOR EAST ABUTMENT

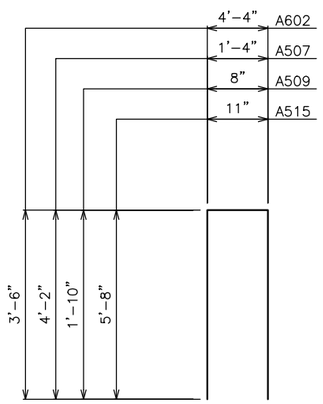
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A601		32	12–9	X		BODY VERT. F.F
A602		29	11–0	X		BODY VERT. B.F.
● A803		7	3–4			BODY DOWELS B.F.
● A604		8	2–6			BODY DOWELS
A805		7	27–11			BODY HORIZ. B.F.
A606		8	31–8			BODY HORIZ.
A507	X	26	9–5	X		BACKWALL VERT.
A408	X	8	27–10			BACKWALL HORIZ.
A509	X	26	4–1	X		BACKWALL AT PAVING BLOCK VERT.
A510	X	12	8–0			PAVING BLOCK HORIZ.
A511		12	14–10	X		WING 1 VERT
A512		5	7–1			WING 1 HORIZ. F.F.
A613		6	7–1			WING 1 HORIZ. B.F.
A614		3	7–1			WING 1 HORIZ.
A515	X	13	12–0	X		WING 1 VERT.
A416	X	4	11–1			WING 1 HORIZ. F.F.
A417	X	5	9–10			WING 1 HORIZ. B.F.
A618	X	1	11–1			WING 1 HORIZ. TOP F.F.
A619	X	1	9–10			WING 1 HORIZ. TOP B.F.
A520	X	2	4–0			BACKWALL VERT. AT WING 1 F.F.
● A421	X	8	1–8			BACKWALL DOWELS
● A522	X	3	2–1			PAVING BLOCK DOWELS

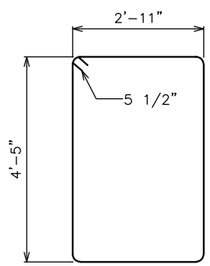
BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

● ADHESIVE ANCHORS



A601





A511

☆ PIPE UNDERDRAIN WRAPPED (6–INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT DISCHARGE END OF PIPE UNDERDRAIN AND CAP AT THE OTHER END. RODENT SHIELD TO BE INCLUDED IN BID PRICE OF "PIPE UNDERDRAIN WRAPPED 6–INCH". SEE SHEET 3.

W90 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT.

◐ OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

⊞ CONSTRUCTION JOINT – POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IN IS PLACE. STRIKE OFF AND LEVEL ROUGH.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B–13–146" SHALL BE THE EXISTING GROUNDLINE.

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

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.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

SEE SHEET 3 FOR PILE SPLICE DETAIL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–146

DRAWN BY KGC | PLANS CHK'D JJH

EAST ABUTMENT DETAILS

SHEET 7 OF 24

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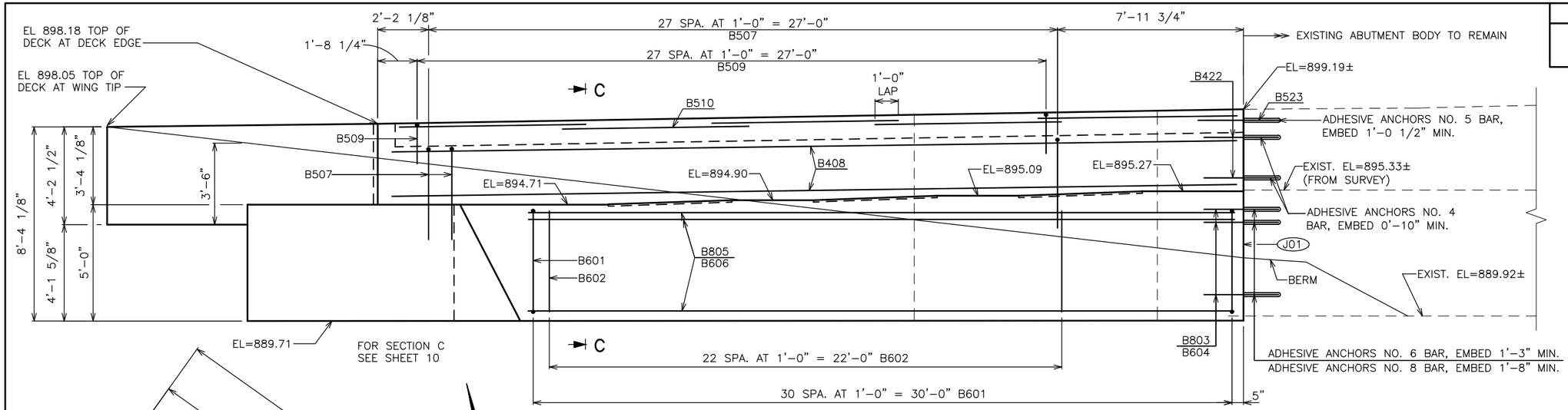
STATE PROJECT NUMBER
1007-10-88

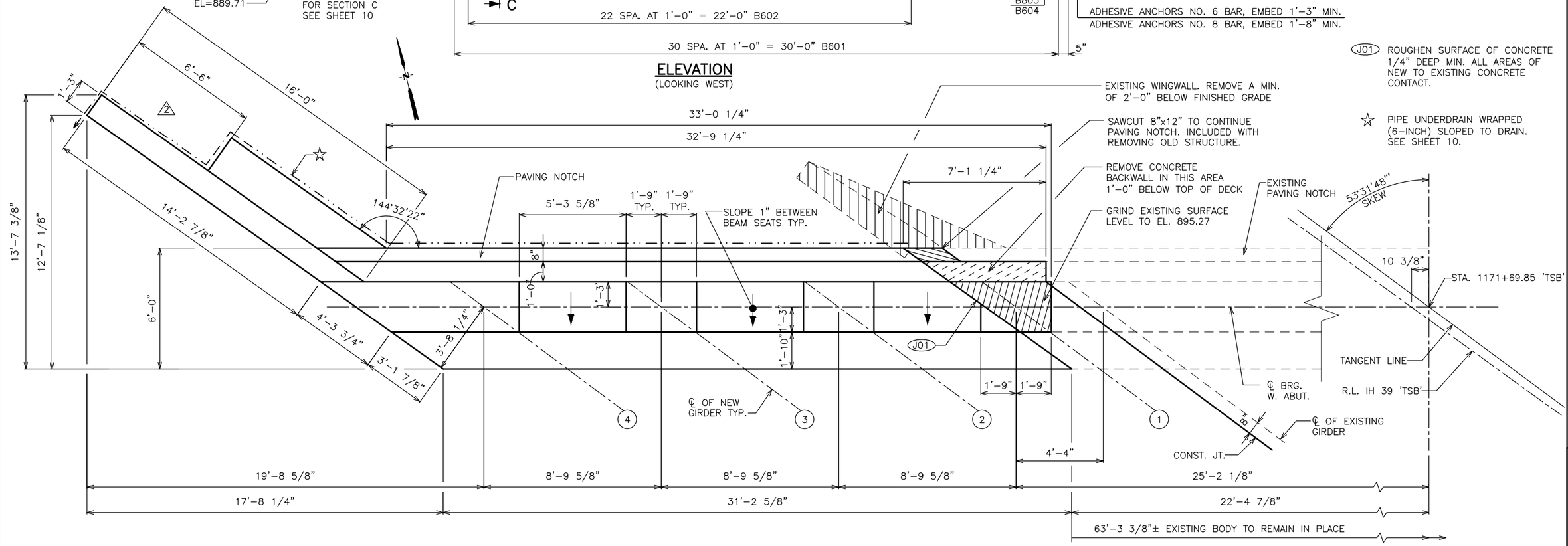


ELEVATION
(LOOKING WEST)

NOTE:
CONCRETE SURFACE REPAIR TO BE USED AT EXISTING ABUTMENTS AS DIRECTED BY FIELD ENGINEER.

J01 ROUGHEN SURFACE OF CONCRETE 1/4" DEEP MIN. ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

☆ PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPED TO DRAIN. SEE SHEET 10.



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-146

DRAWN BY KGC | PLANS CHK'D JJH

WEST ABUTMENT

SHEET 8 OF 24

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8

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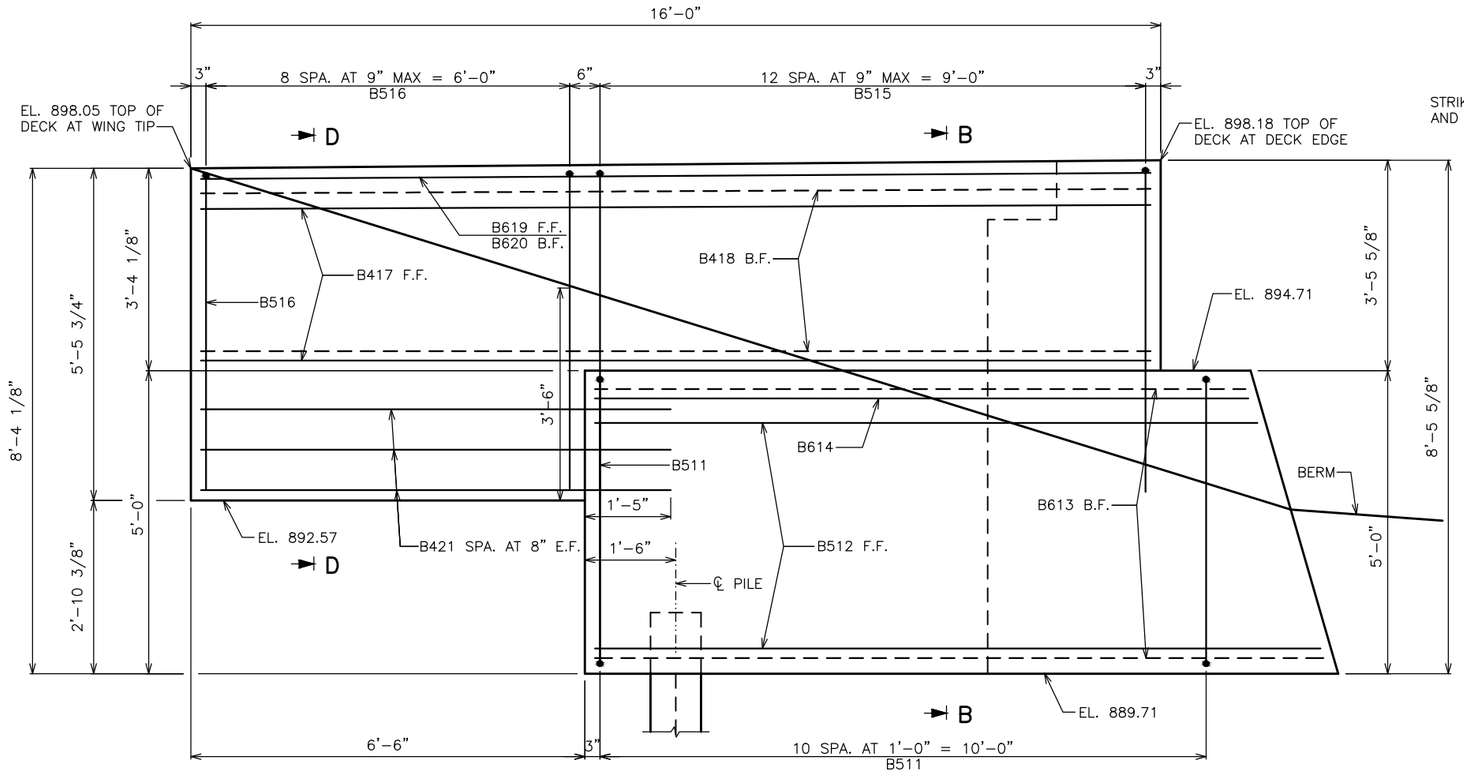
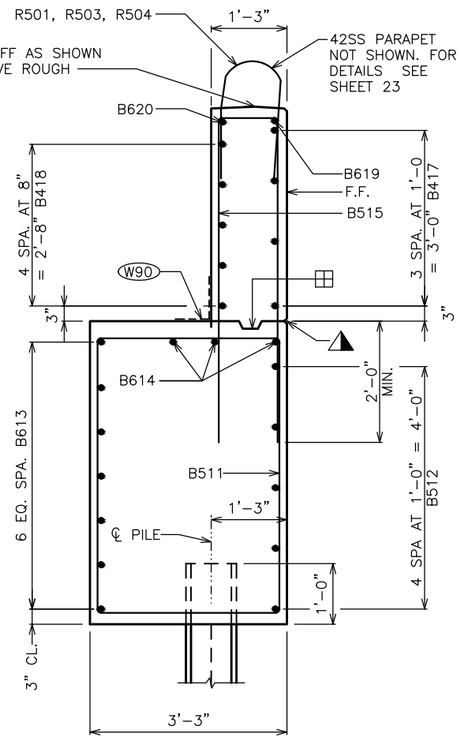
STATE PROJECT NUMBER

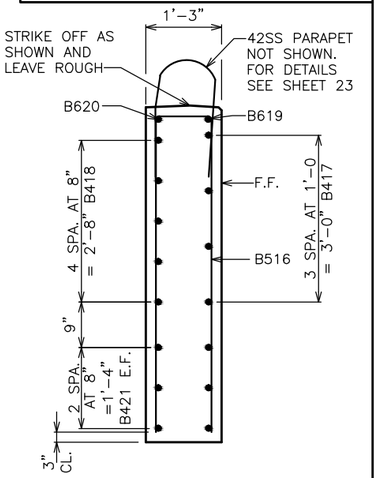
1007-10-88



ELEVATION WING 2



SECTION B



SECTION D

DENOTES BATTERED PILES. BATTER 3"/FOOT IN DIRECTION SHOWN

(W90) 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT

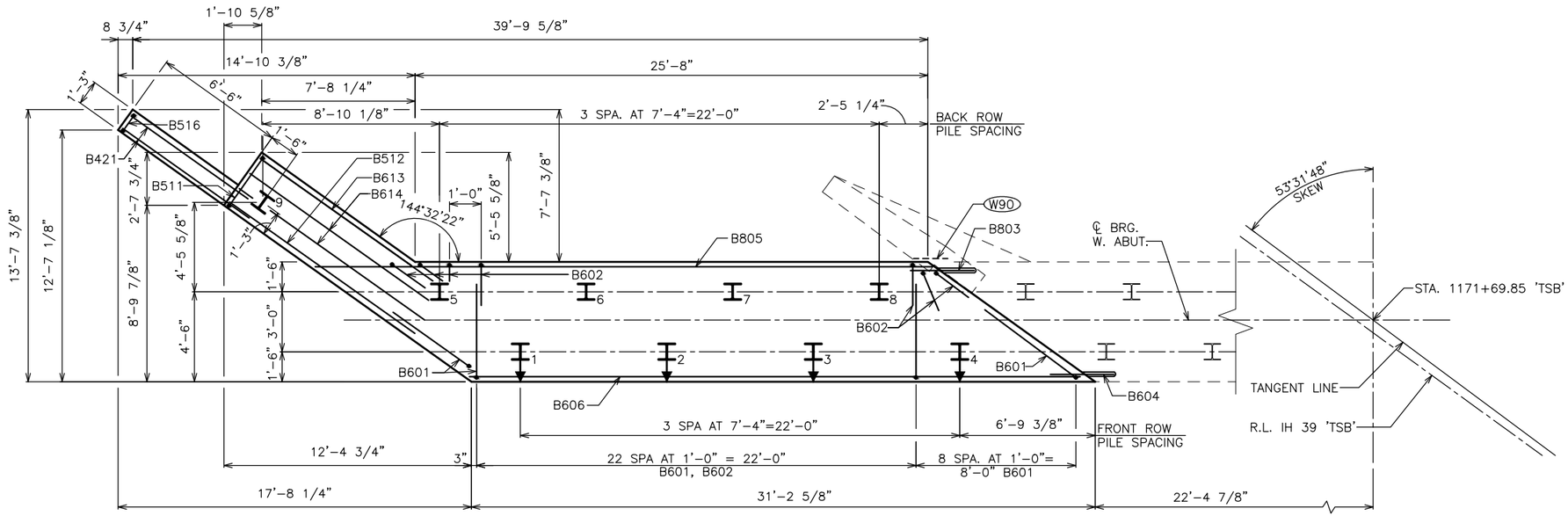
OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

3/4" 'V' GROOVE ON F.F. OF WINGWALL. OMIT IF CONST. JOINT NOT USED.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE



PLAN WING 2

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-146

DRAWN BY KGC | PLANS CHK'D JJH

WEST ABUTMENT
WING 2 DETAILS

SHEET 9 OF 24

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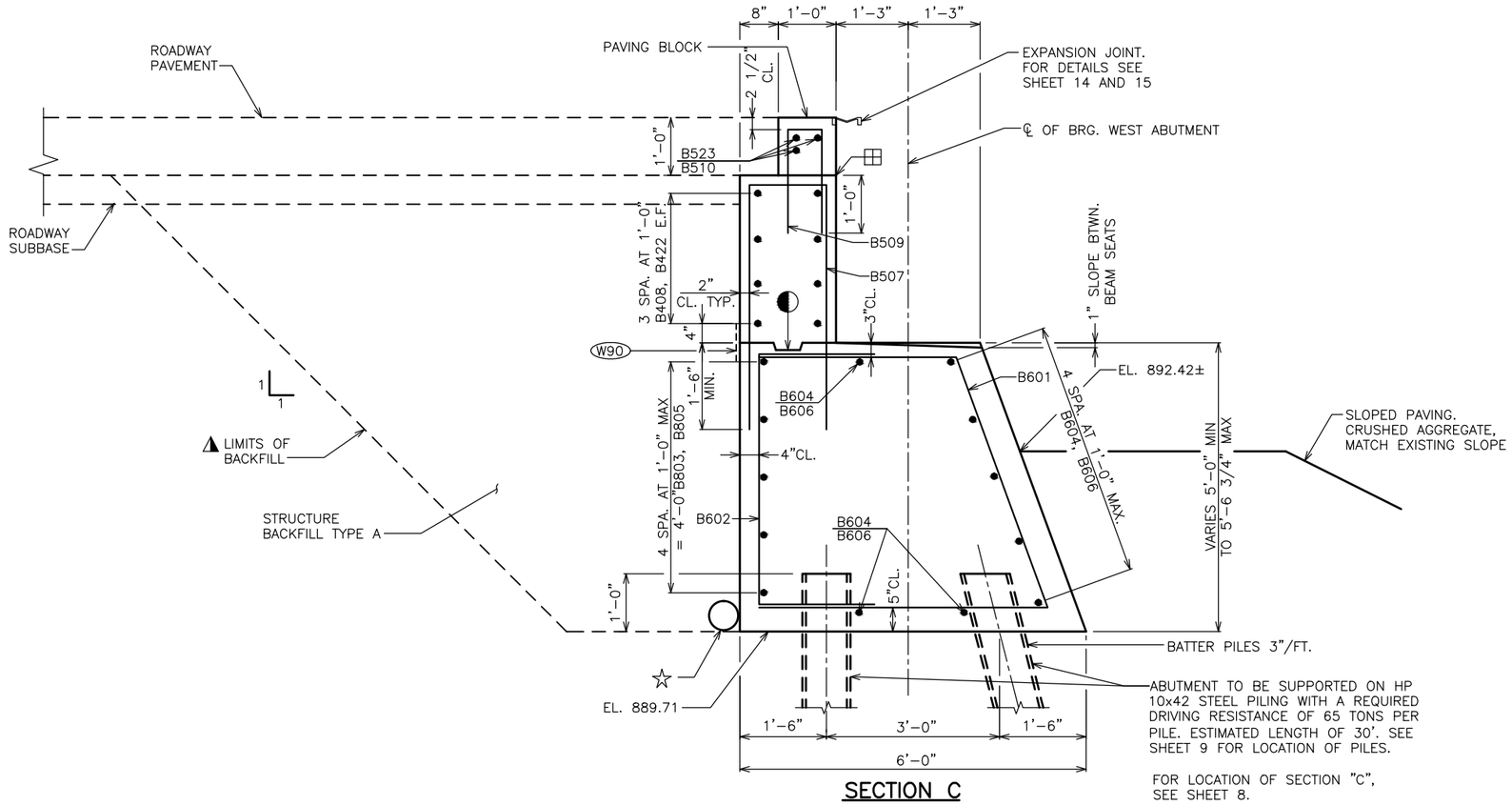
STATE PROJECT NUMBER
1007–10–88



SECTION C

FOR LOCATION OF SECTION "C", SEE SHEET 8.

WEIGHTS INCLUDE PARAPET STEEL SHOWN ON SHEET 23

BILL OF BARS

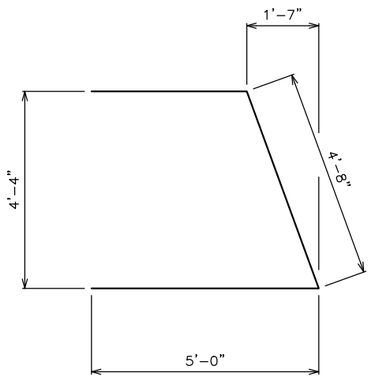
FOR WEST ABUTMENT

COATED: 1,620 LBS
UNCOATED: 2,350 LBS

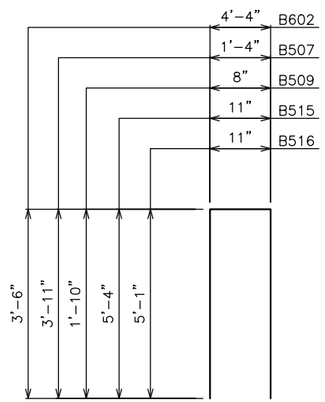
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B601		32	12–9	X		BODY VERT. F.F
B602		29	11–0	X		BODY VERT. B.F.
● B803		5	2–6			BODY DOWELS B.F.
● B604		8	2–6			BODY DOWELS
B805		5	30–10			BODY HORIZ. B.F.
B606		8	31–8			BODY HORIZ.
B507	X	28	8–11	X		BACKWALL VERT.
B408	X	8	28–10			BACKWALL HORIZ.
B509	X	28	4–1	X		BACKWALL AT PAVING BLOCK VERT.
B510	X	15	8–0			PAVING BLOCK HORIZ.
B511		11	14–10	X		WING 2 VERT
B512		5	11–4			WING 2 HORIZ. F.F.
B613		7	11–4			WING 2 HORIZ. B.F.
B614		3	11–4			WING 2 HORIZ.
B515	X	13	11–4	X		WING 2 VERT.
B516	X	9	10–10	X		WING 2 VERT.
B417	X	4	14–1			WING 2 HORIZ. F.F.
B418	X	6	15–5			WING 2 HORIZ. B.F.
B619	X	1	14–1			WING 2 HORIZ. TOP F.F.
B620	X	1	15–5			WING 2 HORIZ. TOP B.F.
B421	X	6	7–9			WING 2 RAIL HORIZ. BOTH FACES
● B422	X	8	1–8			BACKWALL DOWELS
● B523	X	3	2–1			PAVING BLOCK DOWELS

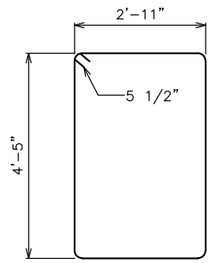
BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

● ADHESIVE ANCHORS



B601





B511

☆ PIPE UNDERDRAIN WRAPPED (6–INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT DISCHARGE END OF PIPE UNDERDRAIN AND CAP AT THE OTHER END. RODENT SHIELD TO BE INCLUDED IN BID PRICE OF "PIPE UNDERDRAIN WRAPPED 6–INCH". SEE SHEET 3.

(W90) 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT.

◐ OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

⊞ CONSTRUCTION JOINT – POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IN IS PLACE. STRIKE OFF AND LEVEL ROUGH.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B–13–146" SHALL BE THE EXISTING GROUNDLINE.

◭ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

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.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

SEE SHEET 3 FOR PILE SPLICE DETAIL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–146

DRAWN BY KGC | PLANS CHK'D JJH

WEST ABUTMENT DETAILS

SHEET 10 OF 24

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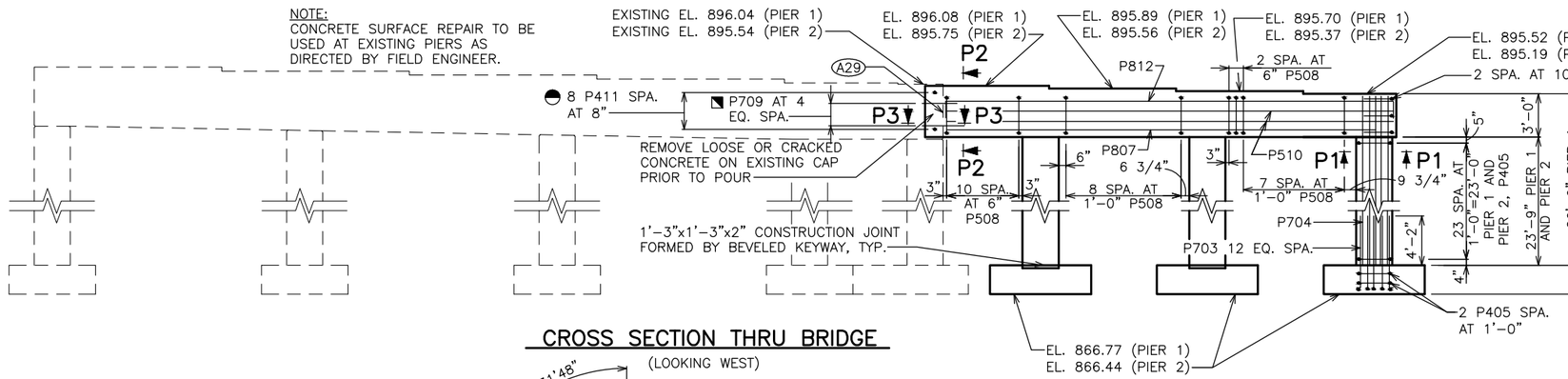
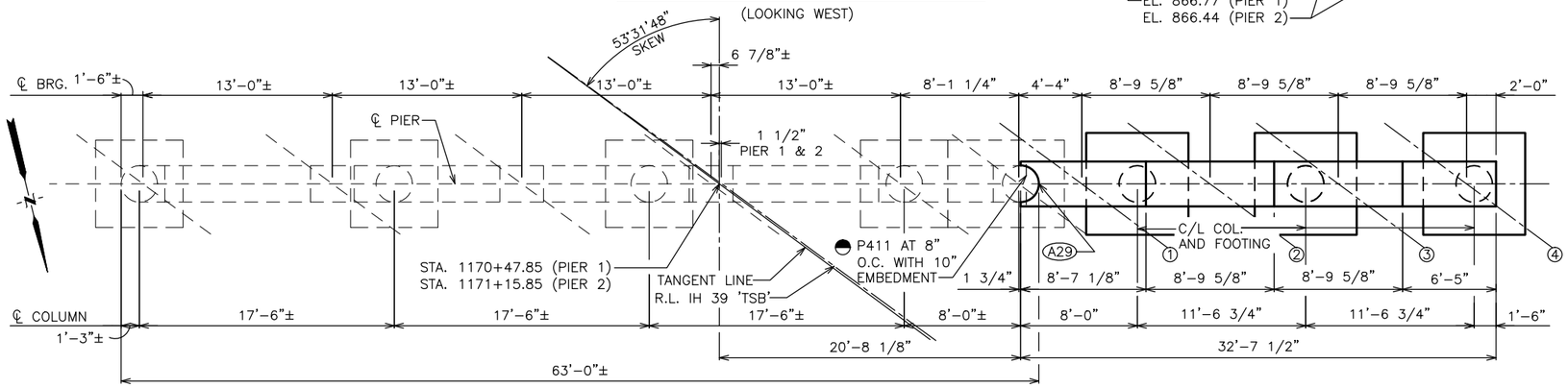
STATE PROJECT NUMBER
1007–10–88

NOTE:
CONCRETE SURFACE REPAIR TO BE USED AT EXISTING PIERS AS DIRECTED BY FIELD ENGINEER.



CROSS SECTION THRU BRIDGE

(LOOKING WEST)



PLAN

BILL OF BARS

UNCOATED: 4,340 LBS
COATED: 9,570 LBS

BAR MARK	COAT	PIER 1 NO. REQ'D.	PIER 2 NO. REQ'D.	LENGTH	BENT BAR	BAR SERIES	LOCATION
P801		54	54	7–6			FOOTINGS TOP
P802		54	54	7–6			FOOTINGS BOT.
P703	X	36	36	6–11	X		FOOTING DOWELS
P704	X	36	36	26–5			COLUMNS–VERT.
P405	X	78	78	8–3	X		HOOPS AT FOOTINGS AND COL
P506	X	3	3	5–9	X		CAP–NOSE BARS
P807	X	6	6	31–0			CAP–HORIZ. BOTTOM
P508	X	60	60	8–8	X		CAP–STIRRUPS
● P709	X	12	12	3–0			CAP–CONC. ADHESIVE ANCHORS
P510	X	4	4	32–3			CAP–SIDE
● P411	X	8	8	2–4	X		DOWELS–PIER CAP
P812	X	7	7	33–3	X		CAP–HORIZ. TOP

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

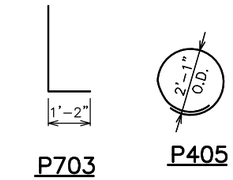
● ADHESIVE ANCHORS

◓ ADHESIVE ANCHORS NO. 4 BAR, EMBED 10" MIN. INTO EXISTING CONCRETE.

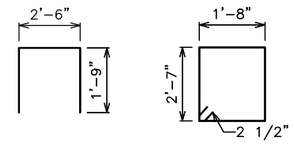
◥ ADHESIVE ANCHORS NO. 7 BAR, EMBED 1'–6" MIN. INTO EXISTING CONCRETE.

(A29) ROUGHEN SURFACE OF CONCRETE 1/4" DEEP MINIMUM ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

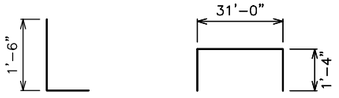
PIERS SHALL BE SUPPORTED ON SOUND ROCK WITH A MIN. BEARING CAPACITY = 5 TONS/SF



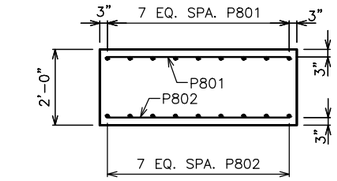
P703 P405



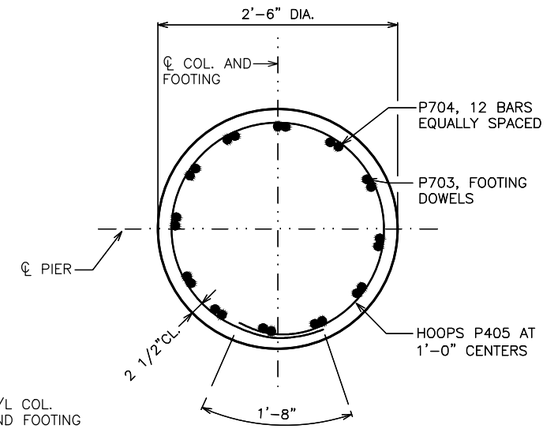
P506 P508



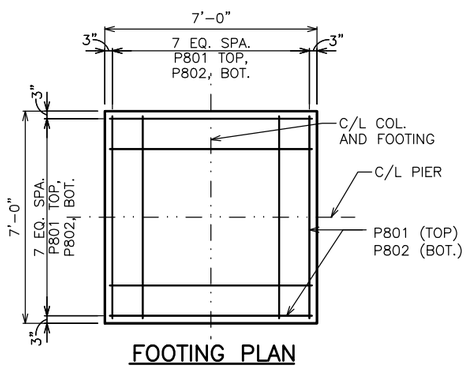
P411 P812



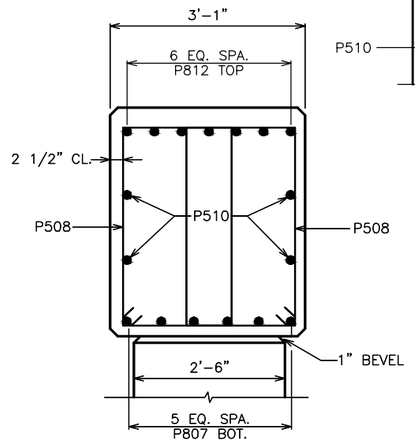
FOOTING ELEVATION



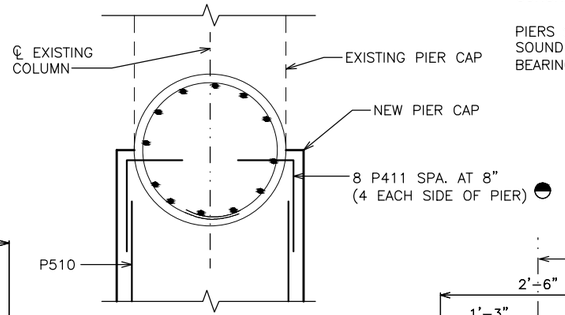
SECTION P1



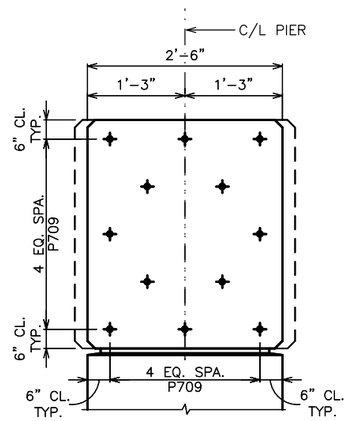
FOOTING PLAN



SECTION P2



SECTION P3



SECTION THRU CAP

SHOWING ADHESIVE ANCHOR SPACING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–146

DRAWN BY KGC | PLANS CHK'D JJH

PIER 1 & 2

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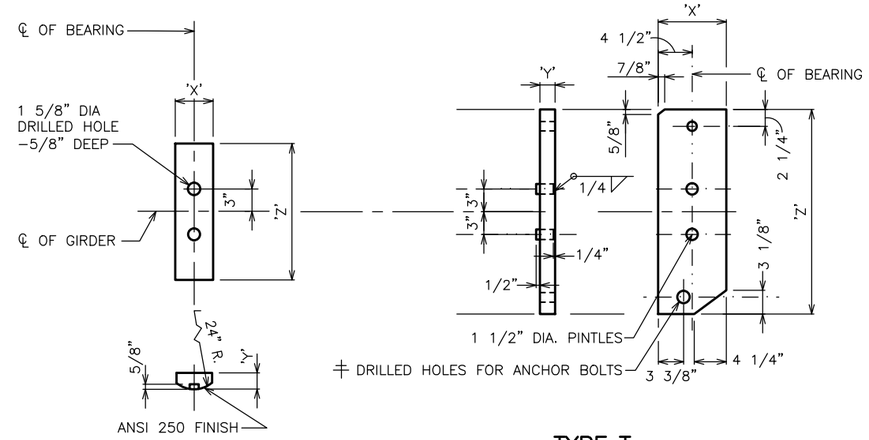
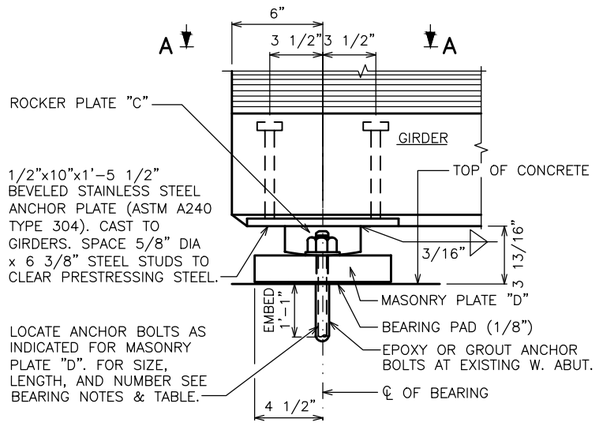


ROCKER PLATE "C"

TYPE I
MASONRY PLATE "D"
FIXED BEARING



FIXED BEARING ASSEMBLY
WEST ABUTMENT

BEARING NOTES

ALL BEARINGS ARE SYMMETRICAL ABOUT ℄ OF GIRDER AND ℄ OF BEARING.

IN LIEU OF USING SHIM PLATES, FABRICATION MAY INCREASE THICKNESS OF MASONRY PLATE "D" BY THE SHIM PLATE THICKNESS.

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.

CHAMFER ANCHOR BOLTS PRIOR TO THREADING.

ANCHOR BOLTS SHALL BE THREADED 3". PROVIDE ONE STANDARD WROUGHT WASHER AND ONE HEX NUT PER BOLT. BOLT LENGTH TO BE 1'-5" FOR 1 1/4" BOLTS. PROJECT ANCHOR BOLTS, MASONRY PLATE "D" THICKNESS + 2 1/4", ABOVE TOP OF CONCRETE.

FOR GIRDER #1, DRILL ANCHOR INTO EXISTING ABUTMENT.

CHAMFER TOP OF PINTLES 1/8". DRILL HOLES FOR ALL PINTLES IN MASONRY PLATE "D" FOR A DRIVING FIT.

ALL MATERIAL IN BEARINGS, INCLUDING SHIM PLATES, BUT EXCLUDING ANCHOR BOLTS, PINTLES, NUTS AND WASHERS SHALL CONFORM TO ASTM A709 GRADE 50W.

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.

PROVIDE 1/8" THICK BEARING PAD THE SAME SIZE AS MASONRY PLATE "D" FOR EACH BEARING.

ALL MATERIAL IN BEARINGS, INCLUDING SHIM PLATES AND BEARING PADS, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "BEARING ASSEMBLIES FIXED B-13-146", EACH.

ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153, CLASS C.

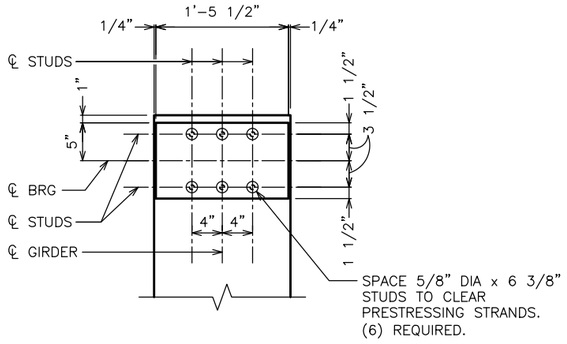
ROCKER PLATE "C" SHALL BE SHOP PAINTED WITH A WELDABLE PRIMER.

MASONRY PLATE "D" SHALL BE GALVANIZED.

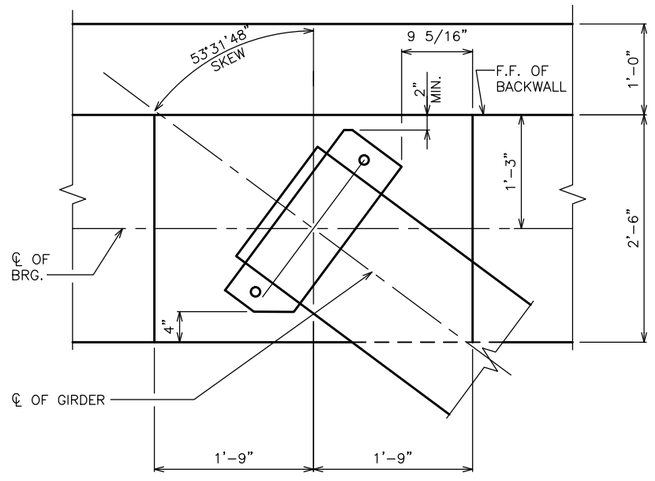
PLACE SHIM PLATES BETWEEN BEARING PAD AND MASONRY PLATE "D". PLATES SHALL HAVE 'X' AND 'Z' DIMENSIONS THAT MATCH MASONRY PLATE "D".

‡ DRILLED HOLES FOR ANCHOR BOLTS IN MASONRY PLATE "D" SHALL HAVE A DIAMETER 3/8" LARGER THAN ANCHOR BOLT.

	PLATE "C"			PLATE "D"			PLATE "D" TYPE	ANCHOR BOLT SIZE	NO. OF BRGS. REQ'D.	LOCATION
	'X'	'Y'	'Z'	'X'	'Y'	'Z'				
FIXED BEARING	5"	1 15/16"	1'-6"	9"	1 3/4"	2'-3"	I	1 1/4"	4	WEST ABUT.



SECTION A-A
PLAN VIEW



STEEL FIXED BEARING AT
WEST ABUTMENT

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-146

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FIXED STEEL
BEARING DETAILS

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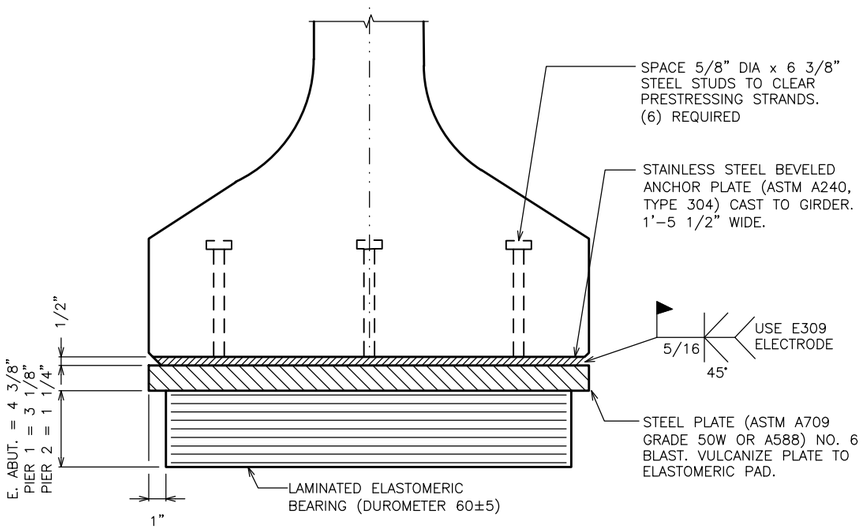
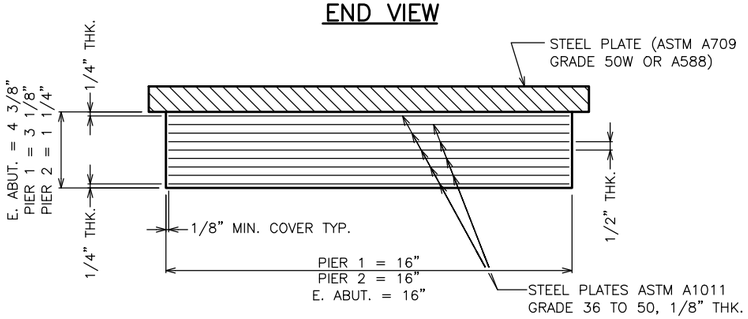
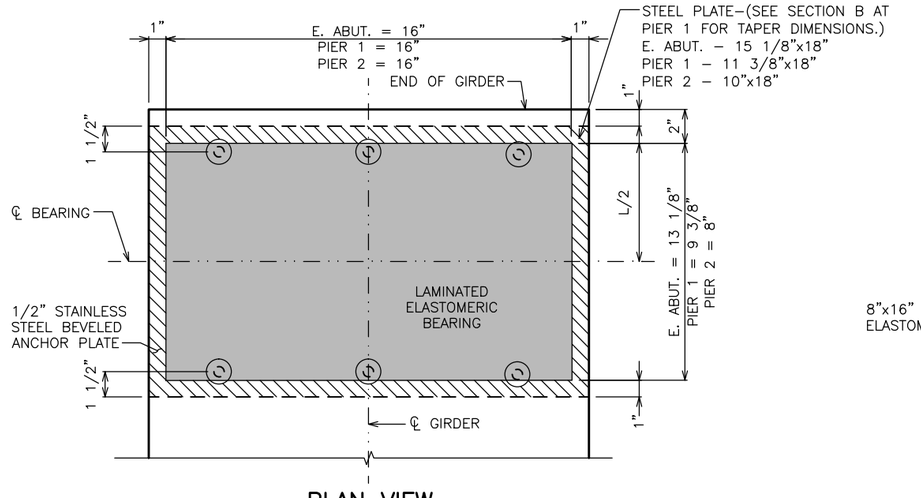


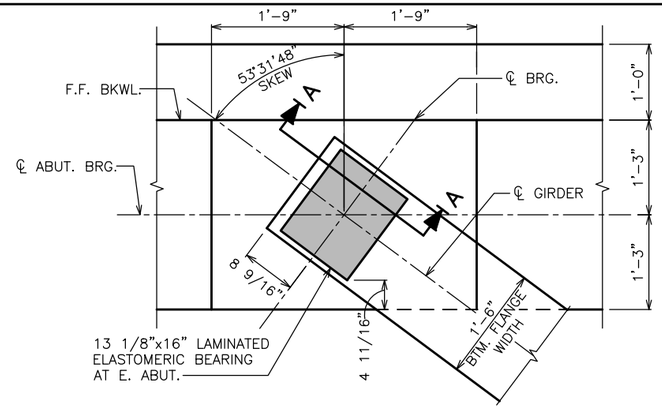
END VIEW



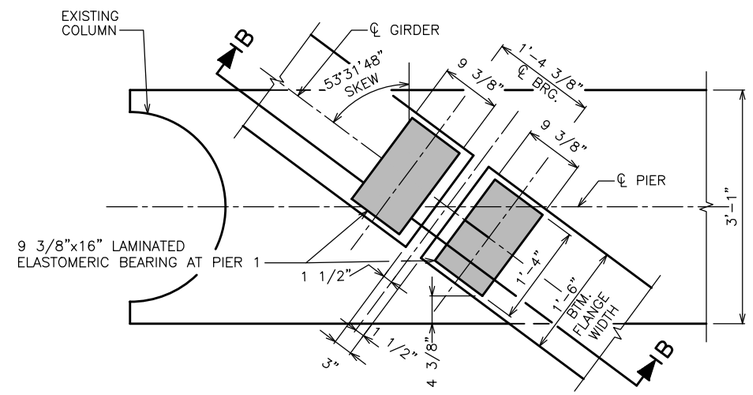
SECTION THRU ELASTOMERIC BEARING



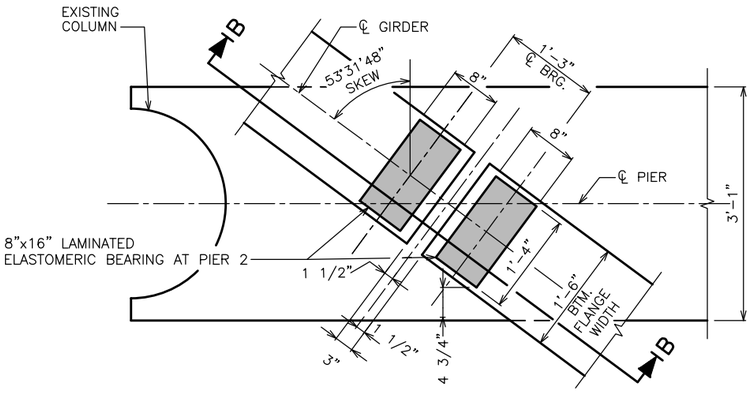
PLAN VIEW



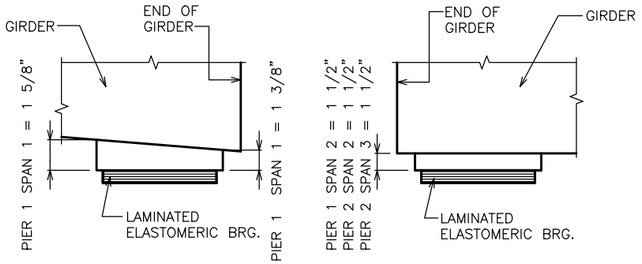
LAMINATED ELASTOMERIC EXP. BRG. AT EAST ABUTMENT



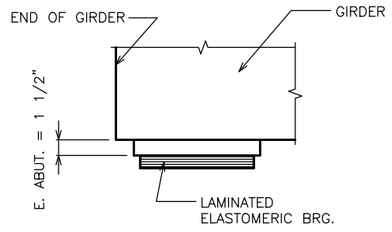
LAMINATED ELASTOMERIC EXP. BRG. AT PIER 1



LAMINATED ELASTOMERIC EXP. BRG. AT PIER 2



SECTION B



SECTION A

BEARING 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–13–146

DRAWN BY KGC | PLANS CHK'D JJH

LAMINATED ELASTOMERIC BEARINGS

SHEET 13 OF 24

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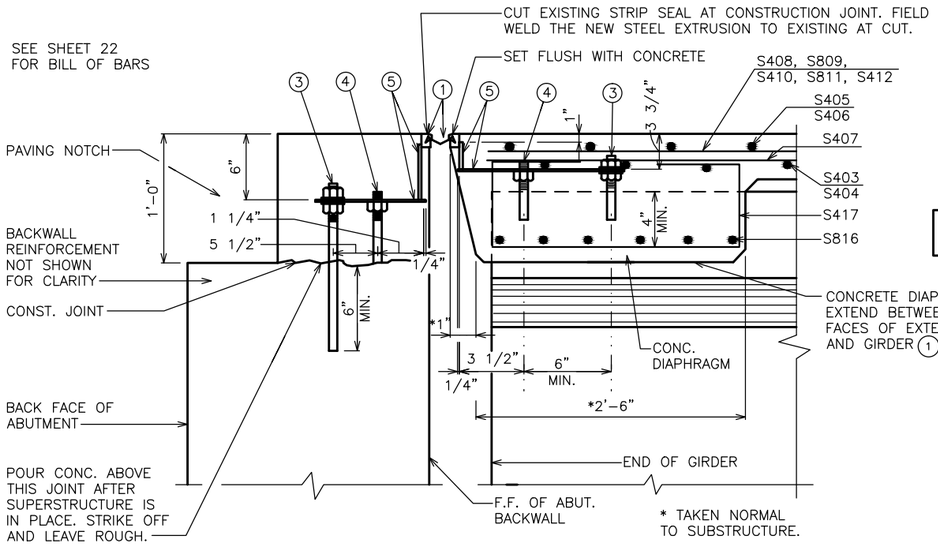
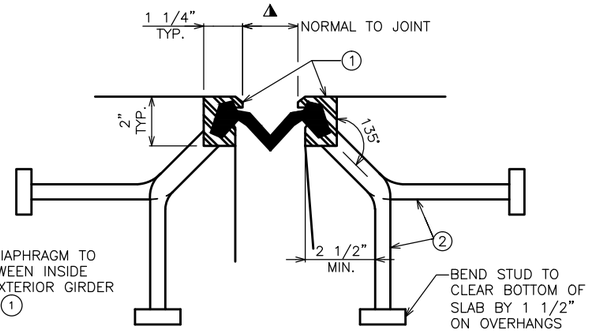


TYPICAL SECTION THRU JOINT AT PRECAST GIRDER

NORMAL TO ℄ SUBSTRUCTURE



SECTION THRU JOINT

EXTERIOR GIRDER TO EDGE OF DECK, AND AT PARAPETS, AND BETWEEN GIRDER (1) AND CONSTRUCTION JOINT

LEGEND

▲ (1) NEOPRENE STRIP SEAL (4-INCH) AND STEEL EXTRUSIONS. SET JOINT OPENING AT 1 3/4"±. MATCH EXISTING OPENING AT TIME OF PLACEMENT.

(2) STUDS 5/8" DIA x 6 3/8" LONG AT 6" ALTERNATE CENTERS. WELD EXTRUSIONS AND BEND AS SHOWN AFTER WELDING.

(2A) 1/2" THICK ANCHOR PLATE WITH 5/8" 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) 3/4" DIA THREADED ROD WITH 2 NUTS AND PLATE WASHERS. GROUT THREADED ROD INTO FIELD DRILLED HOLES ON ℄ OF GIRDER. ON ABUTMENT SIDE, GROUT THREADED ROD INTO FIELD DRILLED HOLES IN ABUTMENT BACK WALL AS SHOWN.

(4) 3/4" DIA THREADED ROD WITH NUT. TACK WELD NUT TO NO. 5.

(5) FABRICATE SUPPORT FROM 3"x1/2" BAR AS SHOWN OR EQUIVALENT. ONE PER GIRDER PER SIDE. SHOP OR FIELD WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1 1/2" DIA HOLE FOR NO. 3 AND 1" DIA HOLE FOR NO. 4.

(6) GALVANIZED PLATE 3/8"x10"x2'-2" LONG WITH HOLES FOR NO. 7.

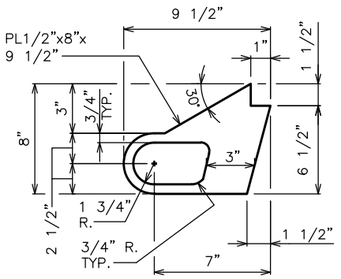
(7) 3/4" DIA x 1 1/2" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLE. RECESS 1/16" BELOW PLATE SURFACE.

(8) 3/4" DIA x 4" GALVANIZED HEX HEAD BOLT. BEND 45°.

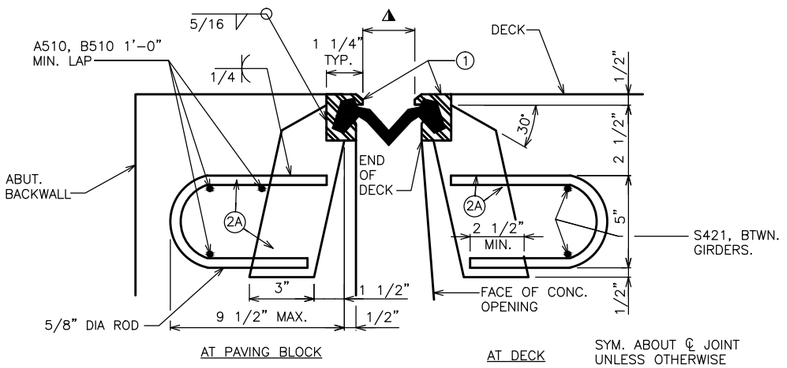
(9) 3/4" DIA x 2 1/4" GALVANIZED THREADED COUPLING.

(10) 1" x 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7. PLACE SLOT PARALLEL TO DIRECTION OF MOVEMENT.

(11) FIELD WELD TOP AND VERTICAL FACES OF EXISTING STEEL EXTRUSION TO NEW EXPANSION JOINT. GRIND OFF GALVANIZING FIELD WELD AND FIELD APPLY COLD GALVANIZE TREATMENT. SEAL JOINT BETWEEN RUBBER ELEMENTS WITH AN APPROVED JOINT SEALER. COST IS INCLUDED IN BID ITEM EXPANSION DEVICE B-13-146.

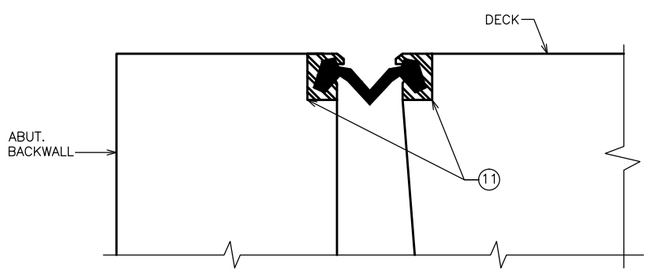


ALTERNATE STRIP SEAL ANCHOR

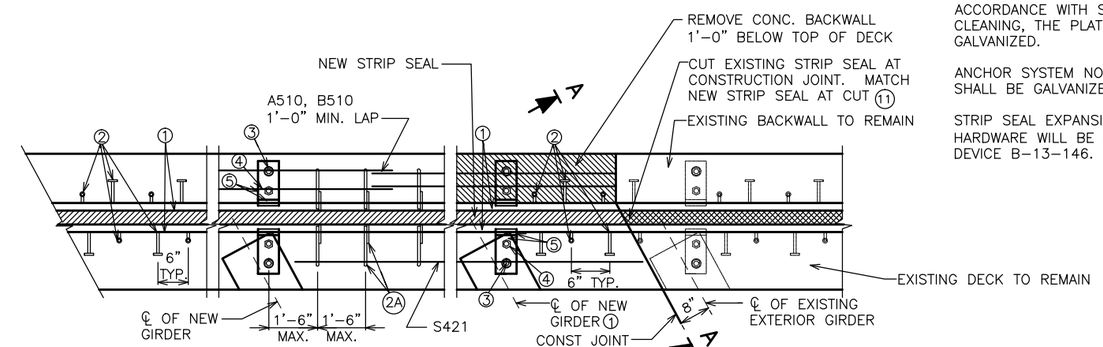


SECTION THRU JOINT

ROADWAY TRAFFIC AREA BETWEEN GIRDERS (1) AND (4)



SECTION A-A



STRIP SEAL AT NEW OVERHANG

STRIP SEAL BETWEEN NEW GIRDERS

STRIP SEAL BETWEEN NEW AND EXISITNG GIRDERS

PARTIAL PLAN

SEE SHEET 15 FOR DETAILS OF STRIP SEAL AT PARAPET

NOTES

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS, UNLESS MORE ARE REQUIRED FOR STAGED CONSTRUCTION, 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 AND SWEEP.

FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN AND SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES, SUPPORTS AND EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PLATES, SUPPORTS AND EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

ANCHOR SYSTEM NO. 8 AND NO. 9 SHALL CONFORM TO ASTM A307 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153 CLASS C AND D.

STRIP SEAL EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE WILL BE PAID FOR AT THE LUMP SUM PRICE BID FOR "EXPANSION DEVICE B-13-146.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-146

DRAWN BY KGC | PLANS CHK'D JJH

STRIP SEAL EXPANSION JOINT DETAILS AT ABUTMENTS

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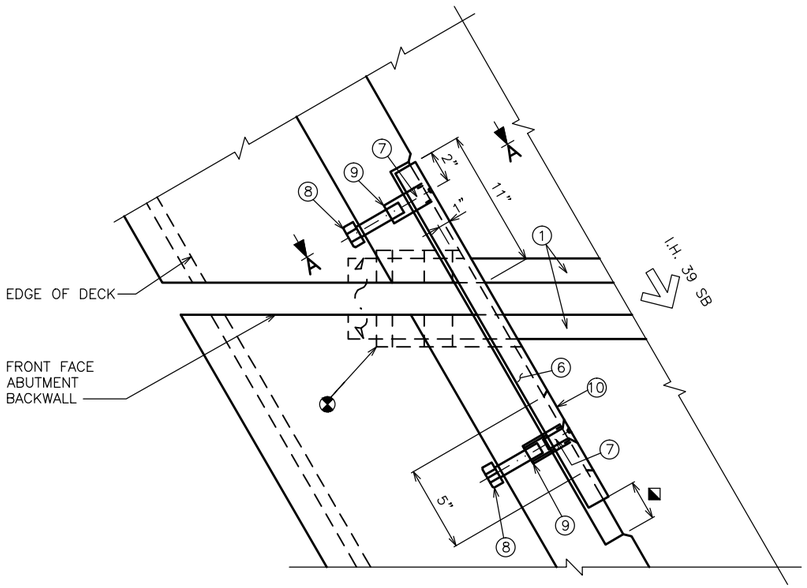
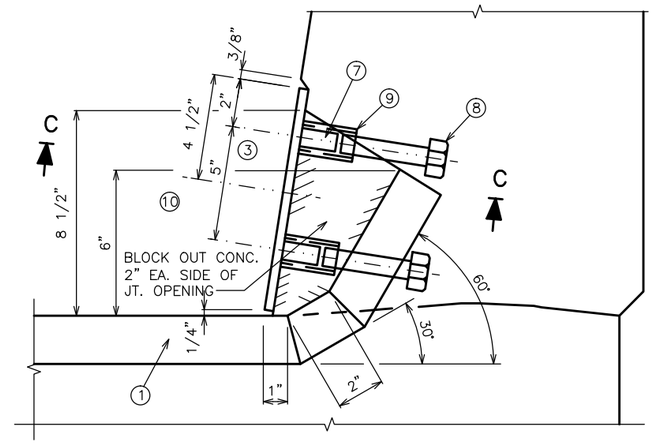


PLAN AT PARAPET

SINGLE SLOPE PARAPET
(EAST ABUTMENT SHOWN, WEST ABUTMENT SIMILAR)

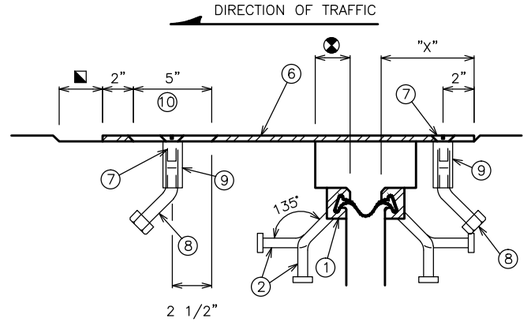
⊠ BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING

◪ JOINT OPENING DIM. ALONG SKEW PLUS 1/2"

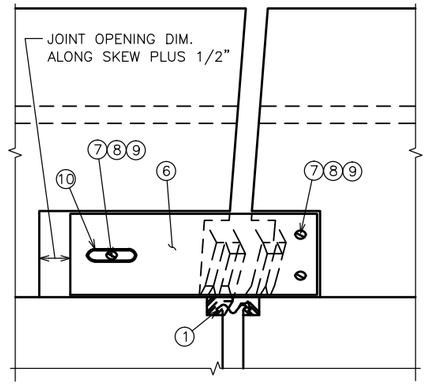


SECTION A–A

SINGLE SLOPE PARAPET



SECTION C–C



VIEW OF PARAPET PLATES FROM ROADWAY

SINGLE SLOPE PARAPET

* SEE SHEET 14 FOR LEGEND AND NOTES

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–146

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STRIP SEAL EXPANSION JOINT DETAILS AT ABUTMENTS

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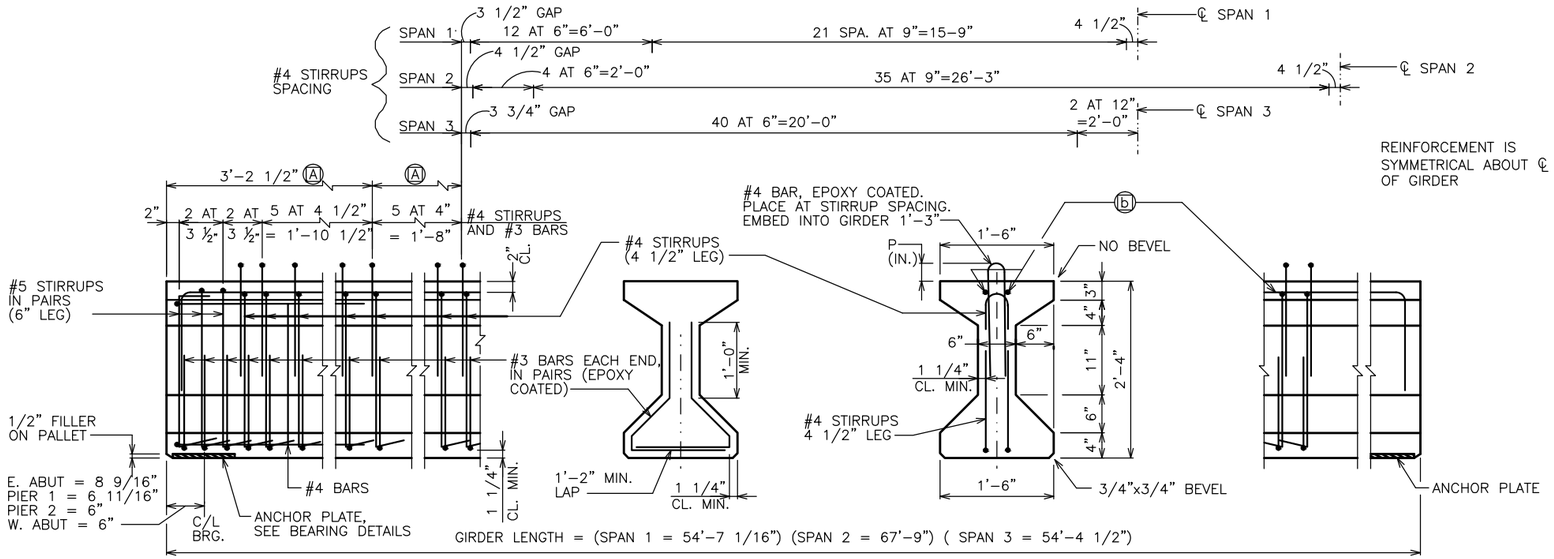
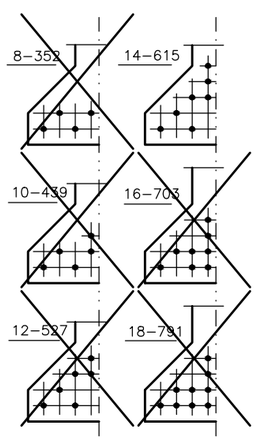
1007–10–88



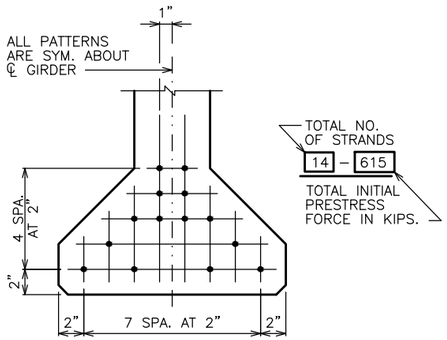
SIDE VIEW & TYPICAL SECTION IN SPAN

PLAN VIEW OF GIRDER ENDS

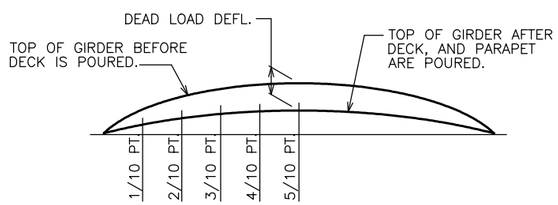


UNDRAPED PATTERN

0.6" ø STRANDS



TYP. STRAND PATTERN



DEAD LOAD DEFLECTION DIAGRAM

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 2" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 2" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER 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 A497 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

28" PRESTRESSED GIRDERS, CONCRETE MASONRY f'c = 6,400 PSI RELEASE

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)–7 WIRE LOW–RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

BEND EACH END OF #4 STIRRUPS 4 1/2" AND #5 STIRRUPS 6".

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE SHEET 18.

3" AVERAGE HAUNCH HEIGHT WAS USED FOR CONCRETE MASONRY QUANTITY COMPS. HAUNCH HEIGHT VARIES DUE TO RESIDUAL CAMBER.
1 1/4" MIN HAUNCH IS PERMITTED.

* 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 3/4"
2	2 1/4"
3	1 3/4"

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.
THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

*MINIMUM CYLINDER STRENGTH OF CONCRETE AT 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	1,2,3,4	54'–7 1/16"	SEE DEFLECTION TABLE ON SHEET 19									8,000	7 1/4	6 1/2	7 1/4	.6							14	6,400
2	1,2,3,4	67'–9"										8,000	7 1/4	6 1/2	7 1/4	.6							14	6,400
3	1,2,3,4	54'–4 1/2"										8,000	7 1/4	6 1/2	7 1/4	.6							14	6,400

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–146

DRAWN BY KGC | PLANS CHK'D JJH

28" PRESTRESSED GIRDER DETAILS

SHEET 16 OF 24

285

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STATE PROJECT NUMBER
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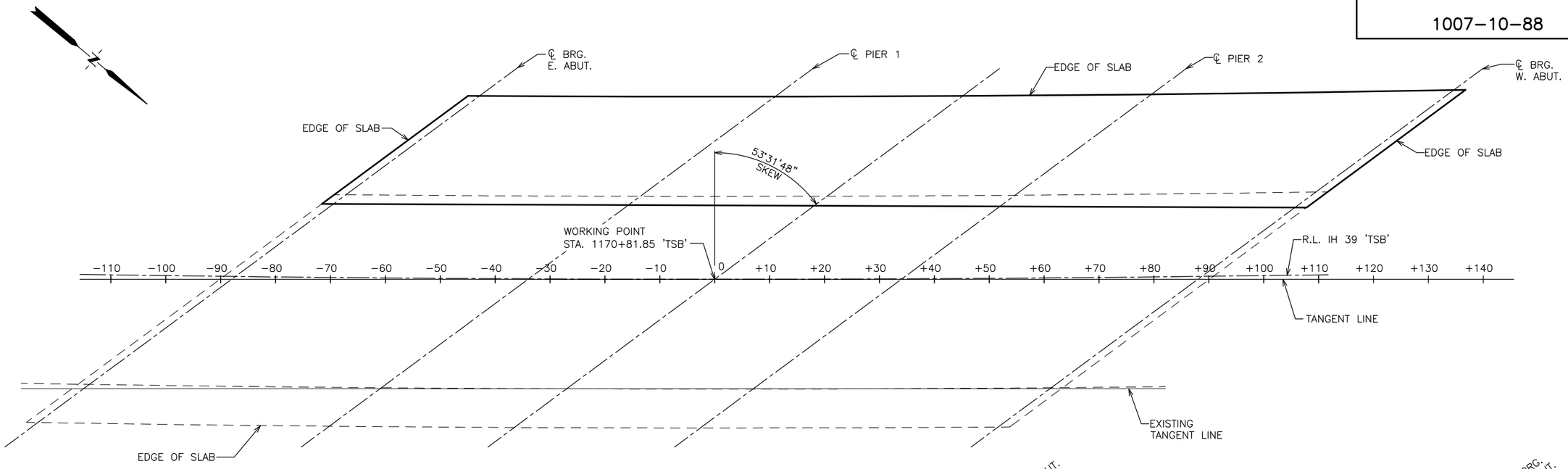
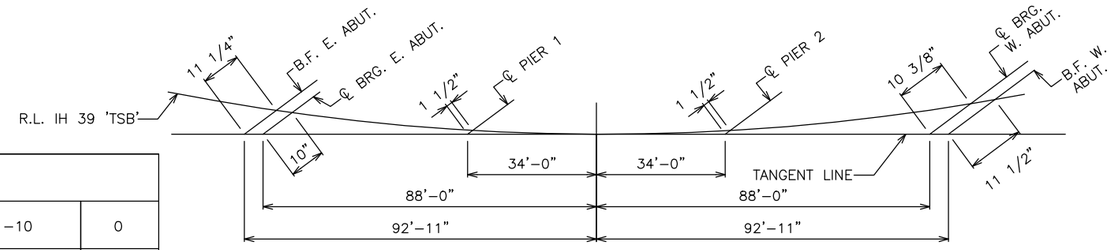


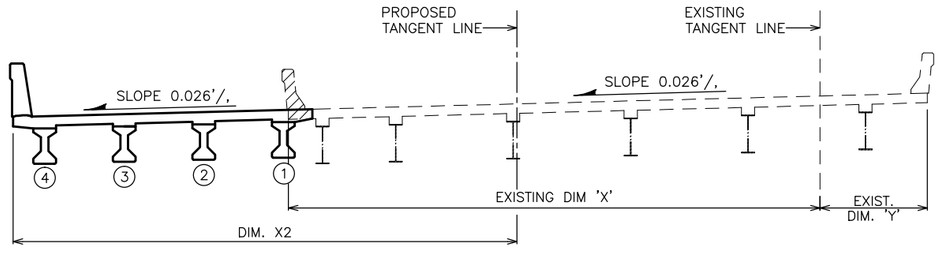
TANGENT OFFSETS
(TO EDGE OF SLAB)



REFERENCE LINE LAYOUT

	TANGENT OFFSET										
DISTANCE ALONG EXIST. TANGENT LINE	−100	−90	−80	−70	−60	−50	−40	−30	−20	−10	0
EXISTING DIM. 'X'							35'−2 1/4"	35'−1 3/4"	35'−1 3/8"	35'−1 1/8"	35'−1"
EXISTING DIM. 'Y'	6'−5 1/8"	6'−6 5/8"	6'−8"	6'−9 1/8"	6'−10 1/8"	6'−11"	6'−11 3/4"	7'−0 1/4"	7'−0 7/8"	7'−1"	7'−1"
DIM. X2							33'−4 1/4"	33'−3 3/4"	33'−3 3/8"	33'−3 1/8"	33'−3"

	TANGENT OFFSET																
DISTANCE ALONG EXIST. TANGENT LINE	0	+10	+20	+30	+40	+50	+60	+70	+80	+90	+100	+110	+120	+130	+140	+150	+160	+170
EXISTING DIM. 'X'	35'−1"	35'−1 1/8"	35'−1 3/8"	35'−1 3/4"	35'−2 1/4"	35'−3"	35'−3 7/8"	35'−4 7/8"	35'−6"	35'−7 3/8"	35'−8 7/8"	35'−10 1/2"	36'−0 3/8"	36'−2 1/4"	36'−4 3/8"			
EXISTING DIM. 'Y'	7'−1"	7'−0 7/8"	7'−0 5/8"	7'−0 1/4"	6'−11 3/4"	6'−11"	6'−10 1/8"	6'−9 1/8"	6'−8"									
DIM. X2	33'−3"	33'−3 1/8"	33'−3 3/8"	33'−3 3/4"	33'−4 1/4"	33'−5"	33'−5 7/8"	33'−6 7/8"	33'−8"	33'−9 3/8"	33'−10 7/8"	34'−0 5/8"	34'−2 3/8"	34−4 3/8"				



TYPICAL CROSS SECTION
(LOOKING WEST)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B−13−146

DRAWN BY KGC | PLANS CHK'D JJH

SUPERSTRUCTURE LAYOUT

SHEET 17 OF 24

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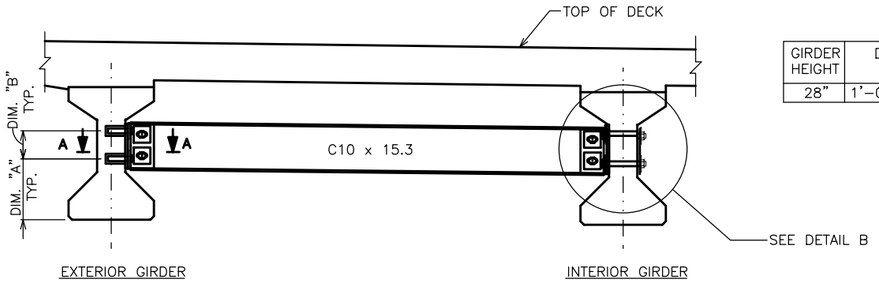
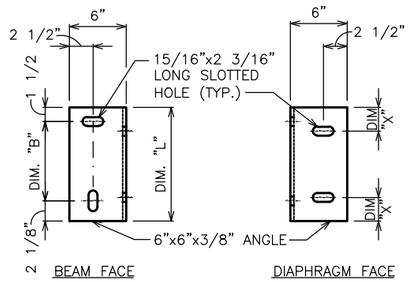


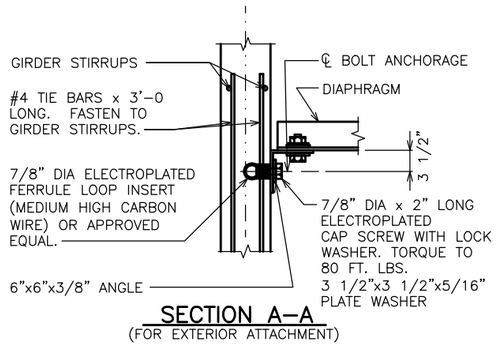
TABLE

GIRDER HEIGHT	DIM. "A"	DIM. "B"	DIM. "L"	* DIM. "X"
28"	1'-0 7/8"	5 7/8"	9 1/2"	2 1/4"

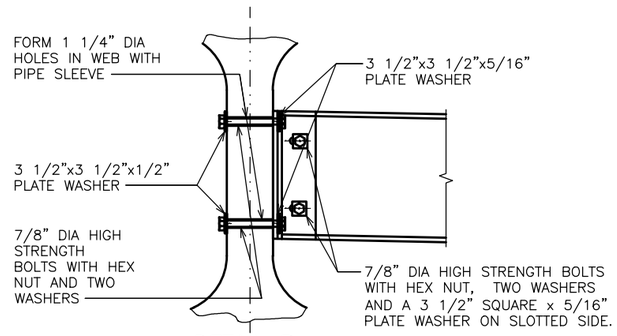
PART TRANSVERSE SECTION AT DIAPHRAGM



DIAPHRAGM SUPPORT

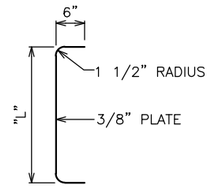


SECTION A-A
(FOR EXTERIOR ATTACHMENT)



DETAIL B

SECTION AT INTERIOR GIRDERS THRU DIAPHRAGM



SECTION THRU ALTERNATE DIAPHRAGM

*DIM "X" = 2 1/2" FOR ALTERNATE PLATE DIAPHRAGM

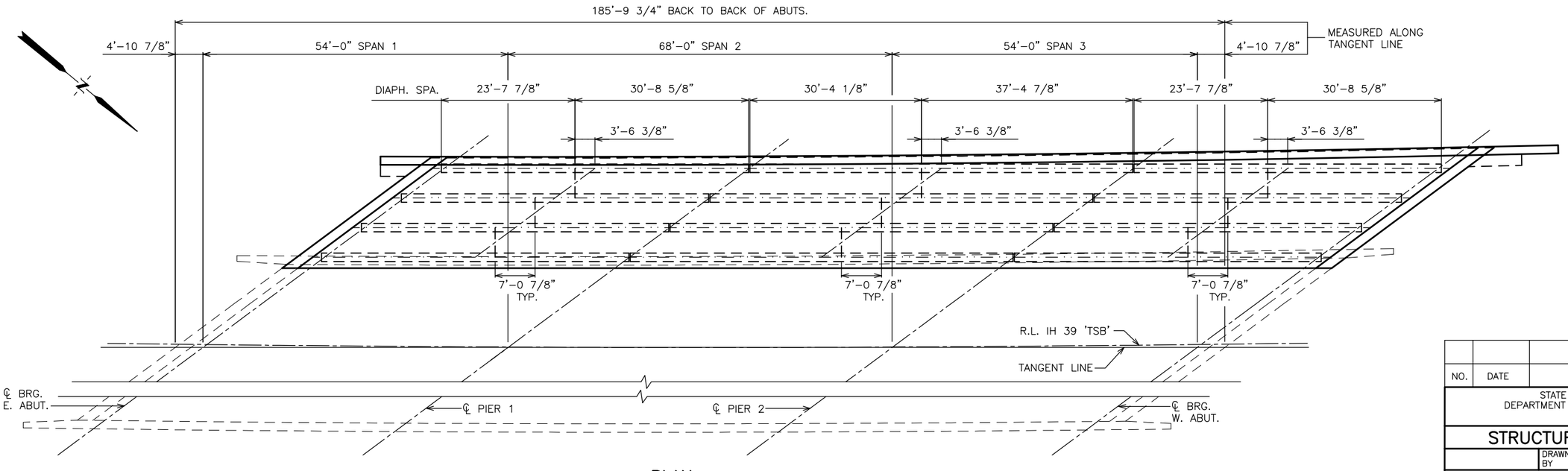
NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-146, EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36. ALL BOLTS, NUTS AND WASHERS SHALL BE ASTM A325 TYPE 1.

ALL DIAPHRAGM STRUCTURAL STEEL SHOWN SHALL BE HOT-DIPPED GALVANIZED. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C. GALVANIZED NUTS SHALL BE TAPPED OVERSIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A563 AND SHALL MEET THE REQUIREMENTS OF SUPPLEMENTARY REQUIREMENT S1 OF ASTM A563, LUBRICANT AND TEST FOR COATED NUTS.



PLAN
SHOWING DIAPH. SPACING

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-146

DRAWN BY KGC | PLANS CHK'D JJH

STEEL DIAPHRAGM DETAILS

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STATE PROJECT NUMBER

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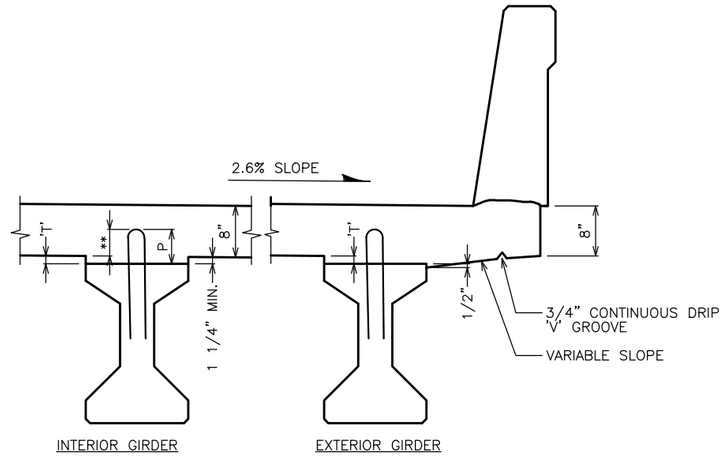
TOP OF DECK ELEVATIONS (FEET)

SPAN	DESCRIPTION	C/L BRG. E. ABUT.	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L PIER 1
1	SURVEY PGL	900.22	900.18	900.14	900.10	900.06	900.02	899.99	899.95	899.91	899.87	899.83
1	NEW GIRDER 1	900.13	900.09	900.05	900.01	899.97	899.93	899.89	899.86	899.82	899.78	899.74
1	NEW GIRDER 2	899.94	899.90	899.86	899.82	899.78	899.75	899.71	899.67	899.63	899.59	899.55
1	NEW GIRDER 3	899.75	899.71	899.67	899.64	899.60	899.56	899.52	899.48	899.44	899.40	899.37
1	NEW GIRDER 4	899.56	899.53	899.49	899.45	899.41	899.37	899.33	899.29	899.26	899.22	899.18
1	SOUTH EDGE OF DECK	899.49	899.45	899.41	899.37	899.34	899.30	899.26	899.22	899.18	899.14	899.10
SPAN	DESCRIPTION	C/L PIER 1	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L PIER 2
2	SURVEY PGL	899.83	899.78	899.73	899.69	899.64	899.59	899.54	899.49	899.44	899.40	899.35
2	NEW GIRDER 1	899.74	899.69	899.64	899.59	899.55	899.50	899.45	899.40	899.35	899.30	899.26
2	NEW GIRDER 2	899.55	899.50	899.46	899.41	899.36	899.31	899.26	899.21	899.17	899.12	899.07
2	NEW GIRDER 3	899.37	899.32	899.27	899.22	899.17	899.12	899.08	899.03	898.98	898.93	898.88
2	NEW GIRDER 4	899.18	899.13	899.08	899.03	898.99	898.94	898.89	898.84	898.79	898.74	898.69
2	SOUTH EDGE OF DECK	899.10	899.05	899.00	898.95	898.90	898.85	898.80	898.75	898.70	898.65	898.60
SPAN	DESCRIPTION	C/L PIER 2	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L BRG. W. ABUT
3	SURVEY PGL	899.35	899.31	899.27	899.23	899.19	899.15	899.12	899.08	899.04	899.00	898.96
3	NEW GIRDER 1	899.26	899.22	899.18	899.14	899.10	899.06	899.02	898.99	898.95	898.91	898.87
3	NEW GIRDER 2	899.07	899.03	898.99	898.95	898.91	898.88	898.84	898.80	898.76	898.72	898.68
3	NEW GIRDER 3	898.88	898.84	898.80	898.77	898.73	898.69	898.65	898.61	898.57	898.53	898.50
3	NEW GIRDER 4	898.69	898.66	898.62	898.58	898.54	898.50	898.46	898.42	898.39	898.35	898.31
3	SOUTH EDGE OF DECK	898.60	898.55	898.51	898.47	898.43	898.39	898.35	898.31	898.27	898.23	898.18

TABLE OF THEORETICAL CONCRETE ONLY DEAD LOAD DEFLECTIONS (INCHES)

SPAN	DESCRIPTION	C/L BRG. E. ABUT.	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L PIER 1
1	NEW GIRDER 1	0.0	0.1	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.1	0.0
1	NEW GIRDER 2	0.0	0.2	0.3	0.5	0.6	0.6	0.6	0.5	0.3	0.2	0.0
1	NEW GIRDER 3	0.0	0.2	0.3	0.5	0.6	0.6	0.6	0.5	0.3	0.2	0.0
1	NEW GIRDER 4	0.0	0.2	0.3	0.4	0.5	0.6	0.5	0.4	0.3	0.2	0.0
SPAN	DESCRIPTION	C/L PIER 1	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L PIER 2
2	NEW GIRDER 1	0.0	0.3	0.6	0.9	1.0	1.1	1.0	9.0	0.6	0.3	0.0
2	NEW GIRDER 2	0.0	0.4	0.8	1.1	1.3	1.4	1.3	1.1	0.8	0.4	0.0
2	NEW GIRDER 3	0.0	0.4	0.8	1.1	1.3	1.4	1.3	1.1	0.8	0.4	0.0
2	NEW GIRDER 4	0.0	0.4	0.8	1.1	1.4	1.4	1.4	1.1	0.8	0.4	0.0
SPAN	DESCRIPTION	C/L PIER 2	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L BRG. W. ABUT.
3	NEW GIRDER 1	0.0	0.1	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.1	0.0
3	NEW GIRDER 2	0.0	0.2	0.3	0.5	0.6	0.6	0.6	0.5	0.3	0.2	0.0
3	NEW GIRDER 3	0.0	0.2	0.3	0.5	0.6	0.6	0.6	0.5	0.3	0.2	0.0
3	NEW GIRDER 4	0.0	0.2	0.4	0.5	0.6	0.7	0.6	0.6	0.4	0.2	0.0

NOTE: DEFLECTIONS ARE THEORETICAL AND MAY VARY IN THE FIELD.
THEORETICAL CONCRETE ONLY DEAD LOAD DEFLECTION = DECK AND HAUNCH DL DEF. + DIAPHRAGM DL DEF. + COMPOSITE DL DEF.



CONCRETE HAUNCH DETAIL

** NOTIFY THE STRUCTURES SECTION IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T': AFTER ALL PRESTRESSED GIRDERS HAVE BEEN ERECTED, ELEVATIONS OF TOP OF GIRDER SHALL BE TAKEN AT CENTERLINE OF BEARINGS AND AT TENTH POINTS OF EACH SPAN.

TOP OF DECK ELEVATION AT FINAL GRADE
−TOP OF GIRDER ELEVATION AFTER PLACEMENT
+CONCRETE ONLY DEFLECTION: DOWNWARD DEFLECTION IS ADDED. UPWARD DEFLECTION IS SUBTRACTED
−SLAB THICKNESS (8")
=HAUNCH THICKNESS 'T'

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-146

DRAWN BY KGC | PLANS CHK'D JJH

DECK ELEVATIONS AND TABLE OF DEFLECTIONS

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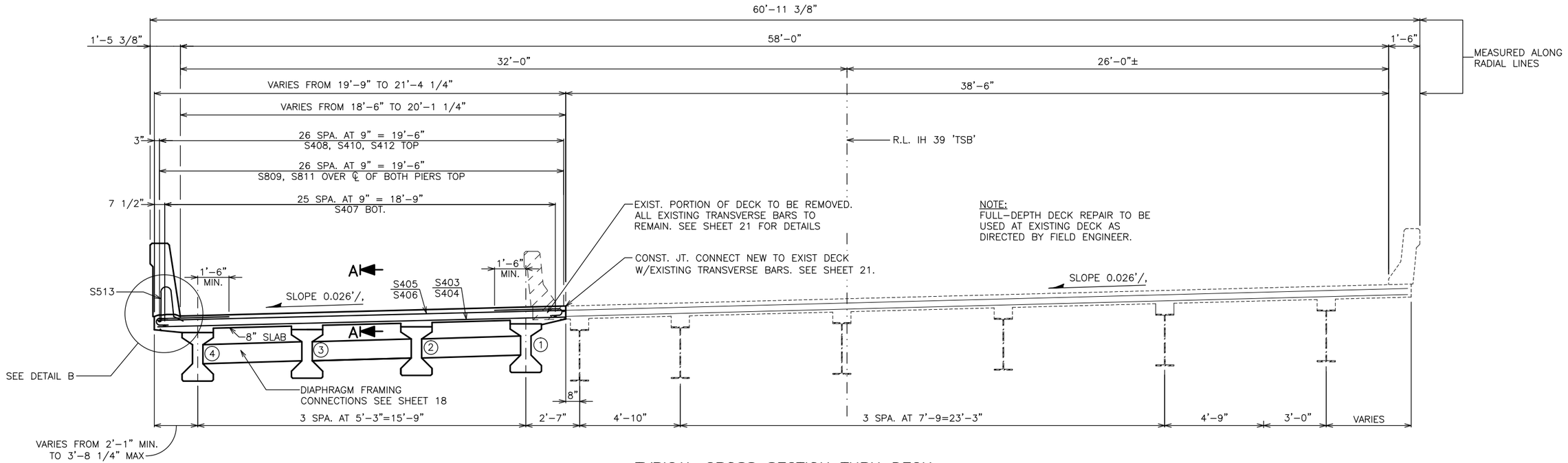
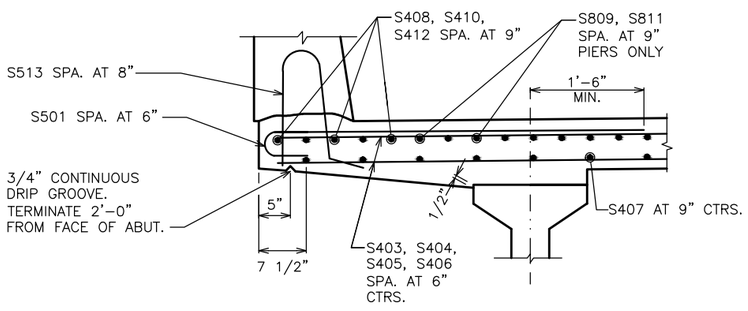
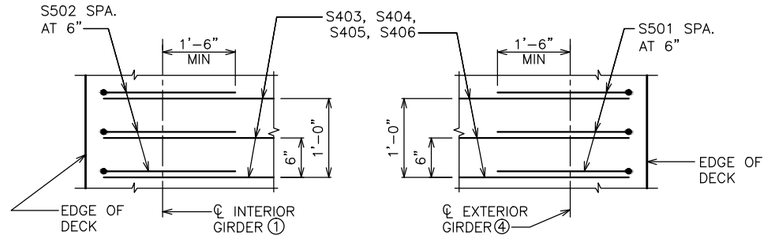


TYPICAL CROSS SECTION THRU DECK

(LOOKING WEST)



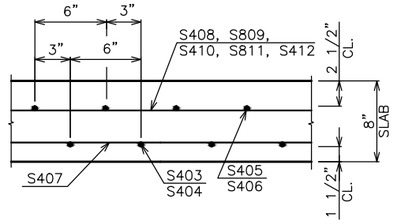
DETAIL B



AT INTERIOR GIRDER ①

AT EXTERIOR GIRDER ④

PLAN VIEW OF ADDITIONAL OVERHANG REINFORCEMENT DETAIL



SECTION A

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–146

DRAWN BY KGC | PLANS CHK'D JJH

SUPERSTRUCTURE

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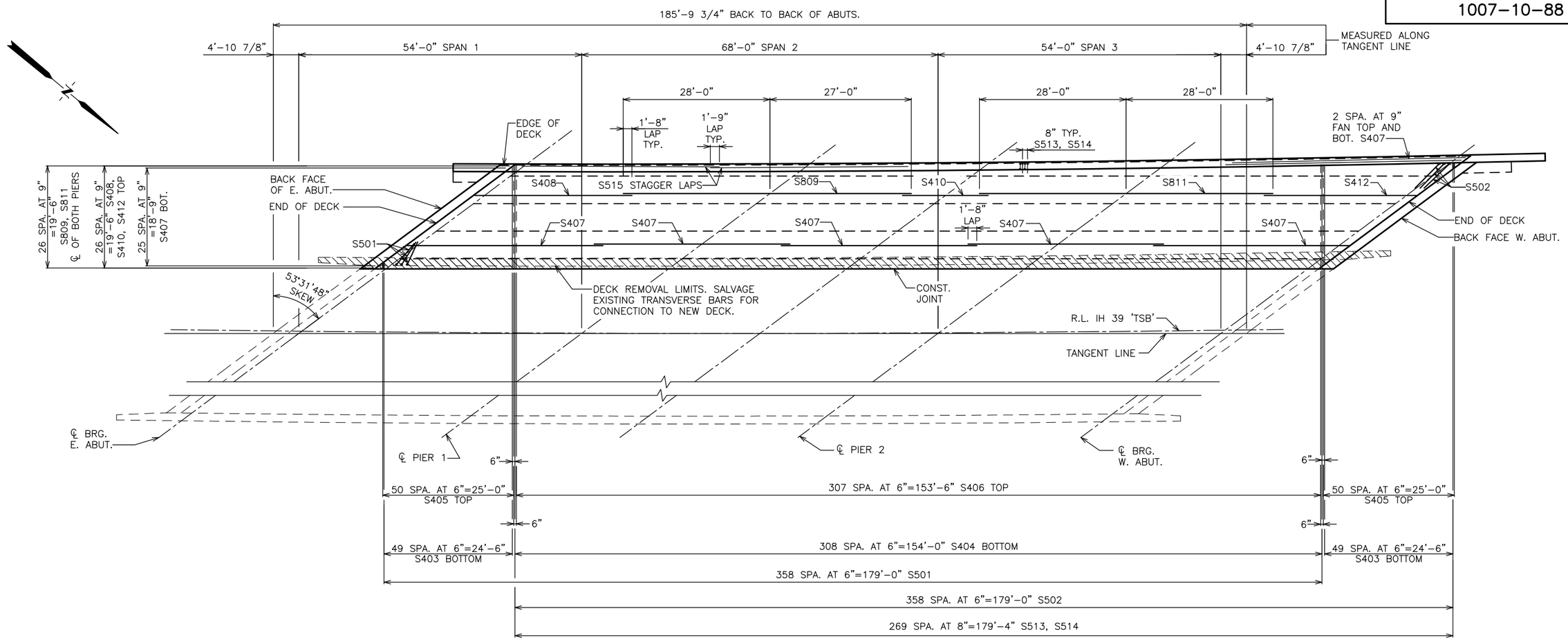
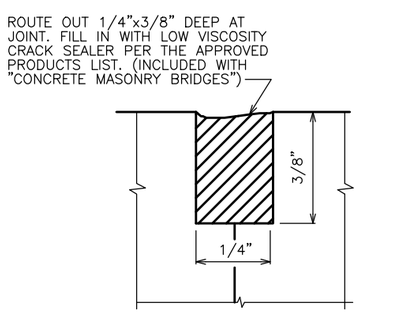
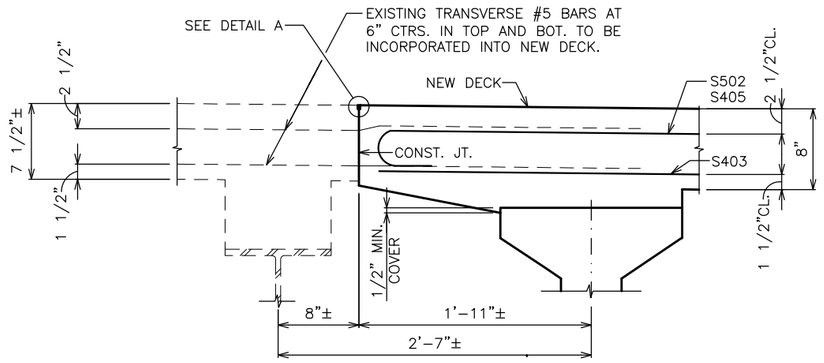


PLAN



DETAIL A



LONGITUDINAL CONSTRUCTION JOINT DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-146

DRAWN BY KGC | PLANS CHK'D JJH

SUPERSTRUCTURE PLAN

SHEET 21 OF 24

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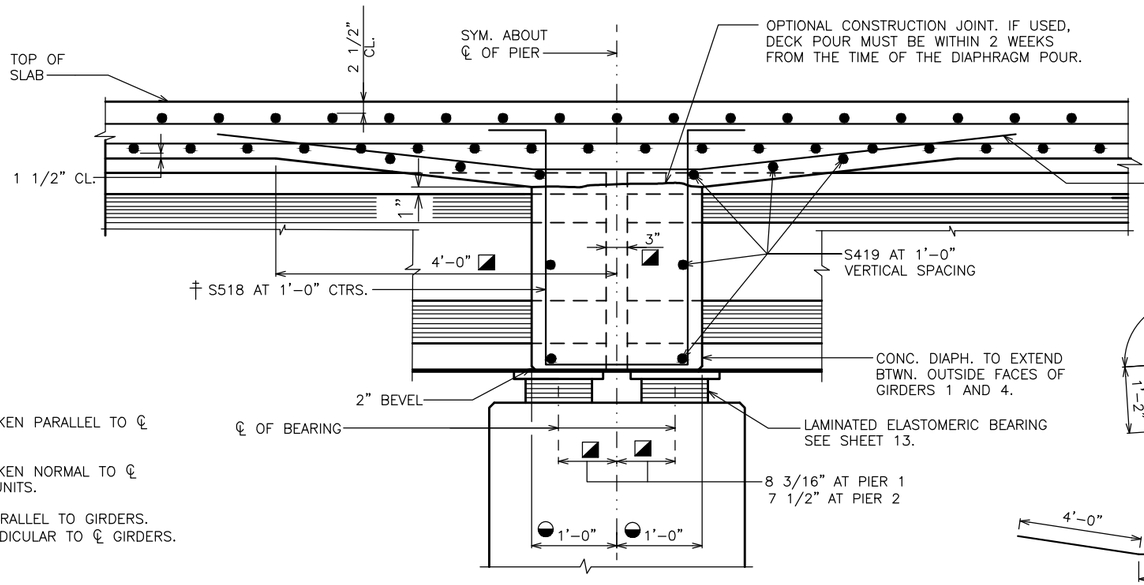
8

8

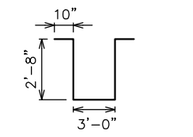
STATE PROJECT NUMBER
1007-10-88



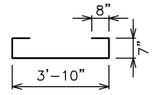
LEGEND

- ◪ DIMENSION IS TAKEN PARALLEL TO ℄ GIRDER.
- ◒ DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.
- † BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO ℄ GIRDERS.

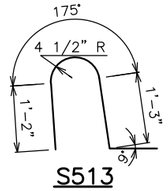
DIAPHRAGM AT LAMINATED ELASTOMERIC BEARINGS AT PIERS



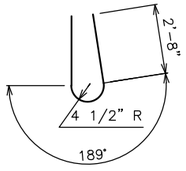
S518



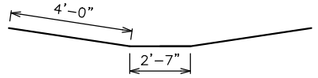
S417



S513



S514



S420

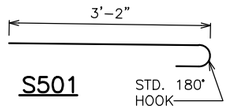
BILL OF BARS

COATED: 31,650 LBS

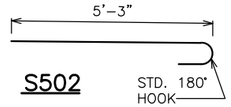
BAR MARK	COATED BAR	NO. REQ'D	LENGTH	BENT BAR	BAR SERIES	LOCATION
S501	X	359	3-9	X		SLAB TRANS. - OVERHANG
S502	X	359	5-10	X		SLAB TRANS. - OVERHANG
S403	X	102	9-9		*	SLAB TRANS. BOT.
S404	X	309	19-8			SLAB TRANS. BOT.
S405	X	100	9-10		*	SLAB TRANS. TOP.
S406	X	308	19-8			SLAB TRANS. TOP.
S407	X	130	37-4			SLAB LONG. BOT.
S408	X	27	30-0			SLAB LONG. TOP SPAN 1
S809	X	27	55-0			SLAB LONG. TOP AT PIER 1
S410	X	27	16-4			SLAB LONG. TOP AT SPAN 2
S811	X	27	56-0			SLAB LONG. TOP AT PIER 2
S412	X	27	29-1			SLAB LONG. TOP AT SPAN 3
S513	X	270	4-5	X		SLAB AT PARAPET VERT.
S514	X	270	6-8	X		PARAPET VERT.
S515	X	32	46-2			PARAPET HORIZ.
S816	X	36	5-11			DIAPH. AT EAST AND WEST ABUT.
S417	X	30	6-0	X		DIAPH. AT E. AND W. ABUT.-STIRRUPS
S518	X	24	9-8	X		DIAPH. AT PIER 1 AND 2
S419	X	60	5-11			DIAPH. AT PIER 1 AND 2 - HORIZ.
S420	X	24	10-7	X		DIAPH. AT PIER 1 AND 2 - VERT.
S421	X	6	5-11			EXP. JOINT AT ABUTS. - 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.



S501

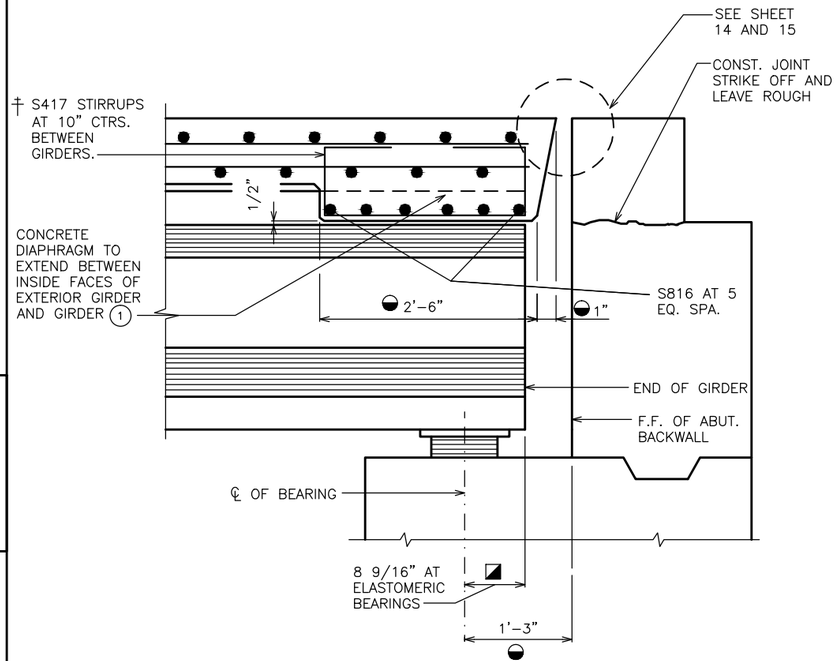


S502

BAR SERIES TABLE

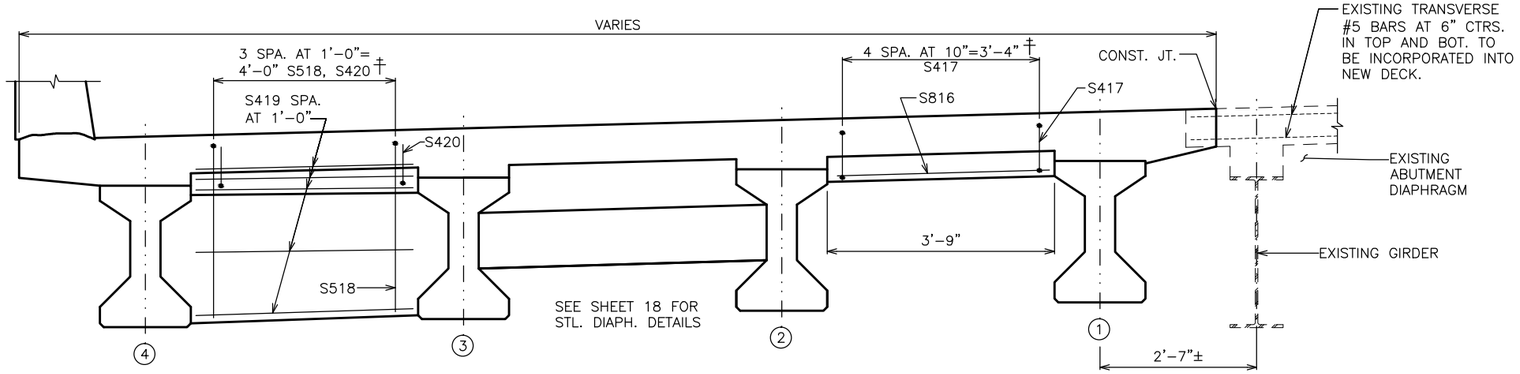
MARK	NO. REQ'D.	LENGTH
S403	2 SERIES OF 50	0'-10" TO 18'-9"
S405	2 SERIES OF 51	0'-8" TO 19'-0"

BUNDLE AND TAG EACH SERIES SEPARATELY.



EXPANSION END DIAPHRAGM AT E. ABUT.

ELASTOMERIC BEARINGS AT EAST ABUTMENT



DIAPHRAGM AT PIERS | DIAPHRAGM AT MIDSPAN | DIAPHRAGM AT ABUTS

PARTIAL SECTION THRU ROADWAY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-146

DRAWN BY KGC | PLANS CHK'D JJH

SUPERSTRUCTURE DETAILS AND BILL OF BARS

SHEET 22 OF 24

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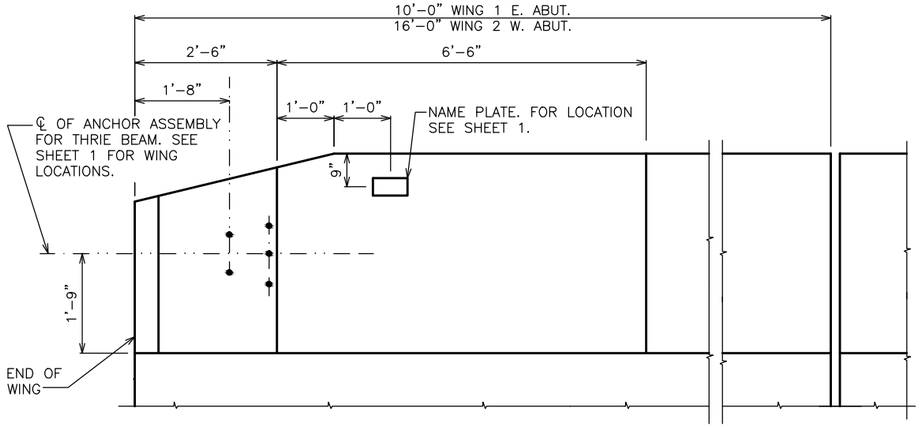
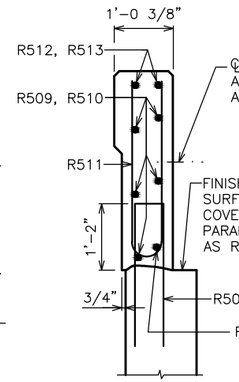
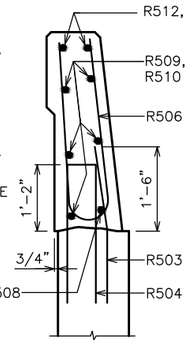


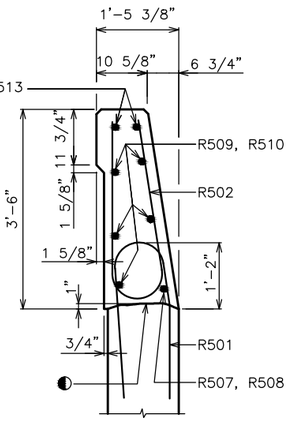
INSIDE ELEVATION



SECTION A



SECTION B



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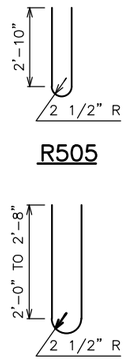


WEIGHTS INCLUDED IN ABUTMENT WEIGHT SHOWN ON SHEET 3, 6, AND 9.

BILL OF BARS

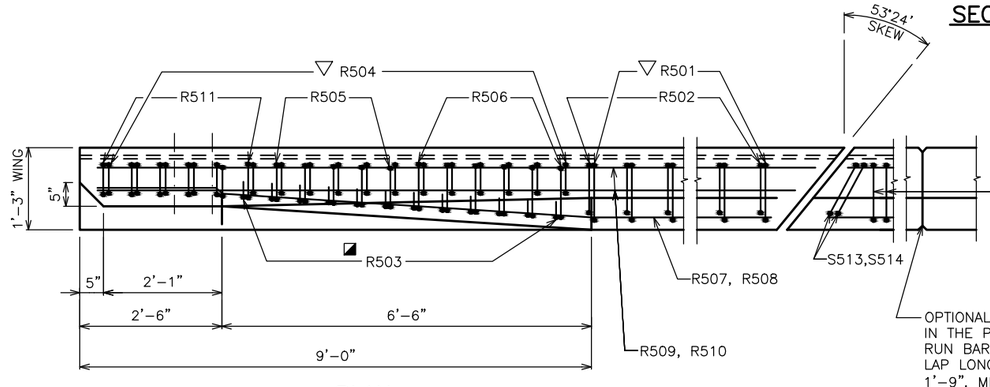
FOR ABUTMENT PARAPETS

E. ABUT. COATED: 380 LBS
W. ABUT. COATED: 520 LBS

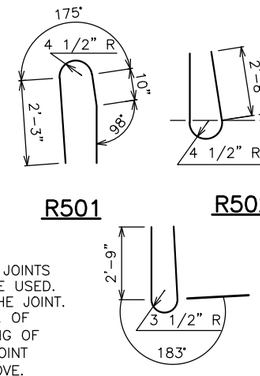
BAR MARK	COAT	E. ABUT.	W. ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	3	11	5-10	X		PARAPET-VERT.
R502	X	3	11	6-8	X		PARAPET-VERT.
R503	X	11	11	3-0	X		PARAPET-VERT.
R504	X	17	17	5-7	X		PARAPET-VERT.
R505	X	5	5	6-5	X		PARAPET-VERT.
R506	X	6	6	6-6	X		PARAPET-VERT.
R507	X	1	--	9-7	X		PARAPET-HORIZ.
R508	X	--	1	15-7	X		PARAPET-HORIZ.
R509	X	5	--	9-8			PARAPET-HORIZ.
R510	X	--	5	15-8			PARAPET-HORIZ.
R511	X	6	6	5-5	X	⚠	PARAPET-VERT.
R512	X	2	--	9-7	X		PARAPET-HORIZ.
R513	X	--	2	15-7	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.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.



PLAN



BAR SERIES TABLE

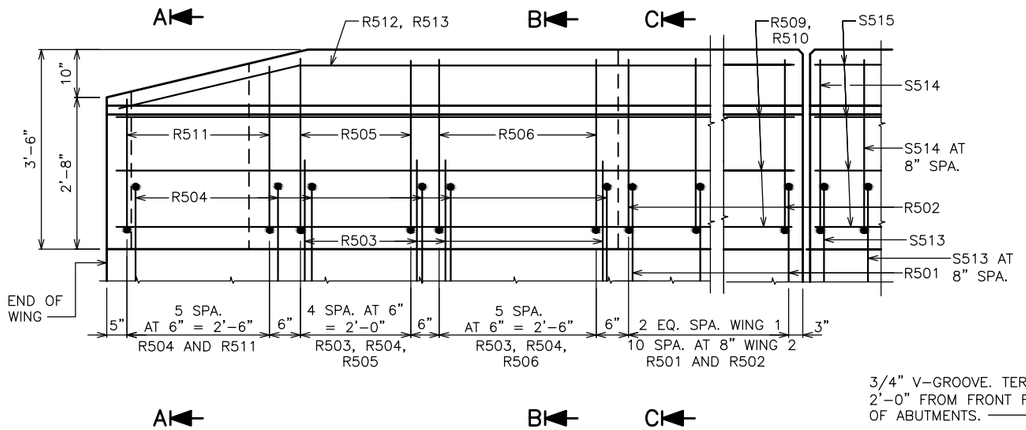
MARK	NO. REQ'D	LENGTH
R511	2 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.

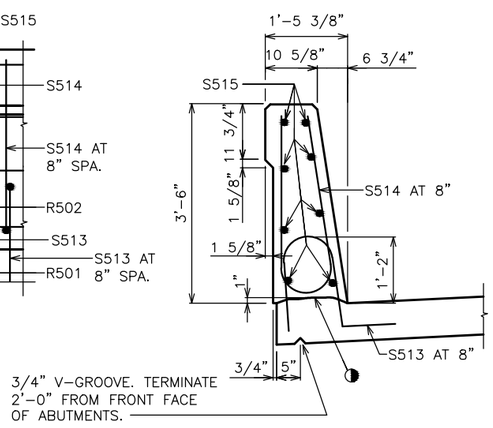
◐ CONST. JOINT - STRIKE OFF AS SHOWN.

◪ R503 BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. USE CARE TO PLACE R503 OR S503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

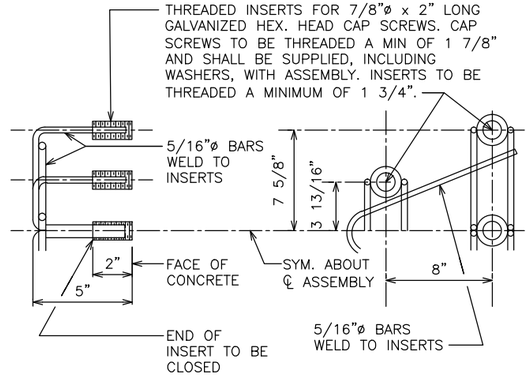
▽ R501 AND R504 BARS TO BE TIED TO WING STEEL BEFORE WING IS POURED.



OUTSIDE ELEVATION



SECTION THRU PARAPET ON BRIDGE



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX. HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-146

DRAWN BY KGC | PLANS CHK'D JJH

SINGLE SLOPE PARAPET 42SS

SHEET 23 OF 24

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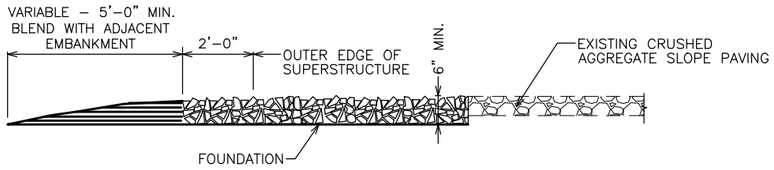
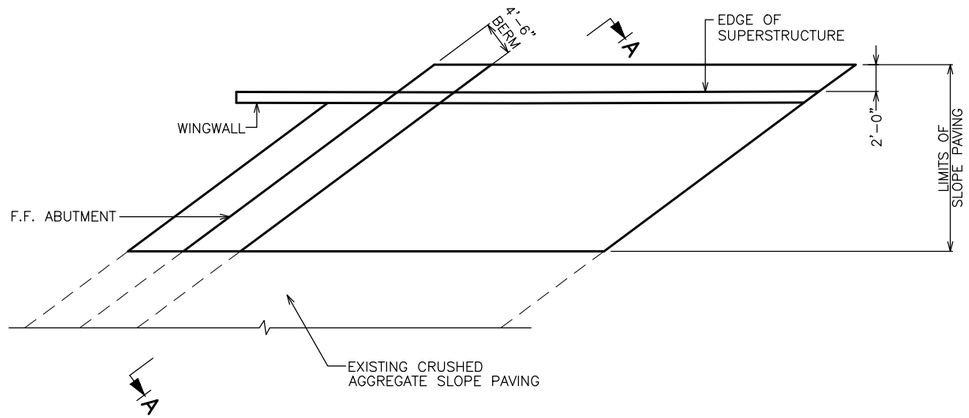
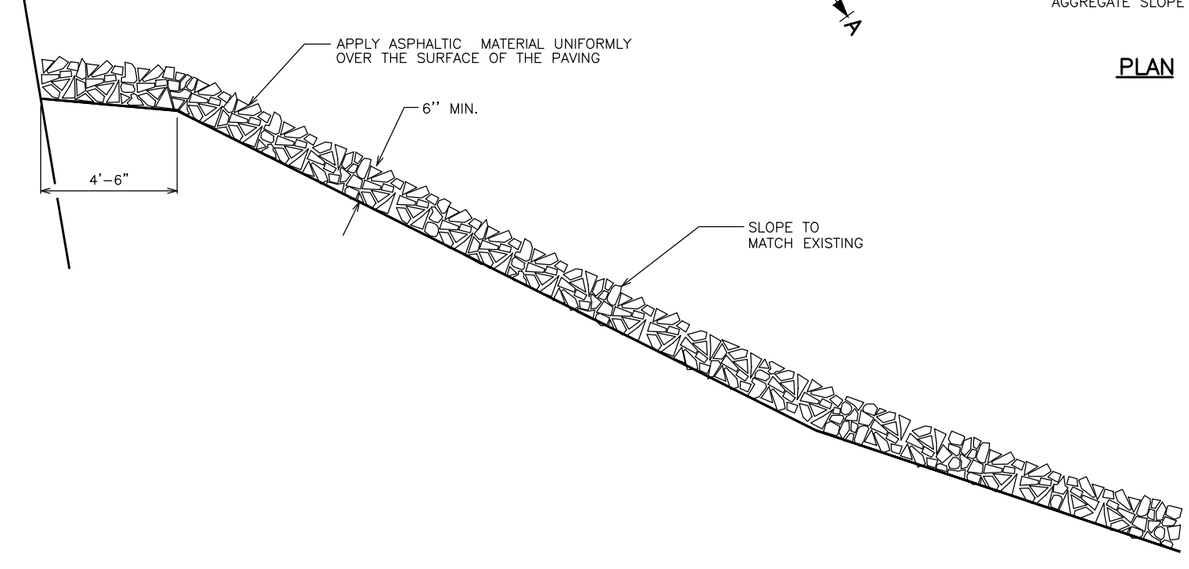
STATE PROJECT NUMBER
1007–10–88



SECTION A–A



PLAN



STANDARD CROSS SECTION THRU CRUSHED AGGREGATE

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.

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–146

DRAWN BY KGC | PLANS CHK'D JJH

SLOPE PAVING
CRUSHED AGGREGATE

SHEET 24 OF 24

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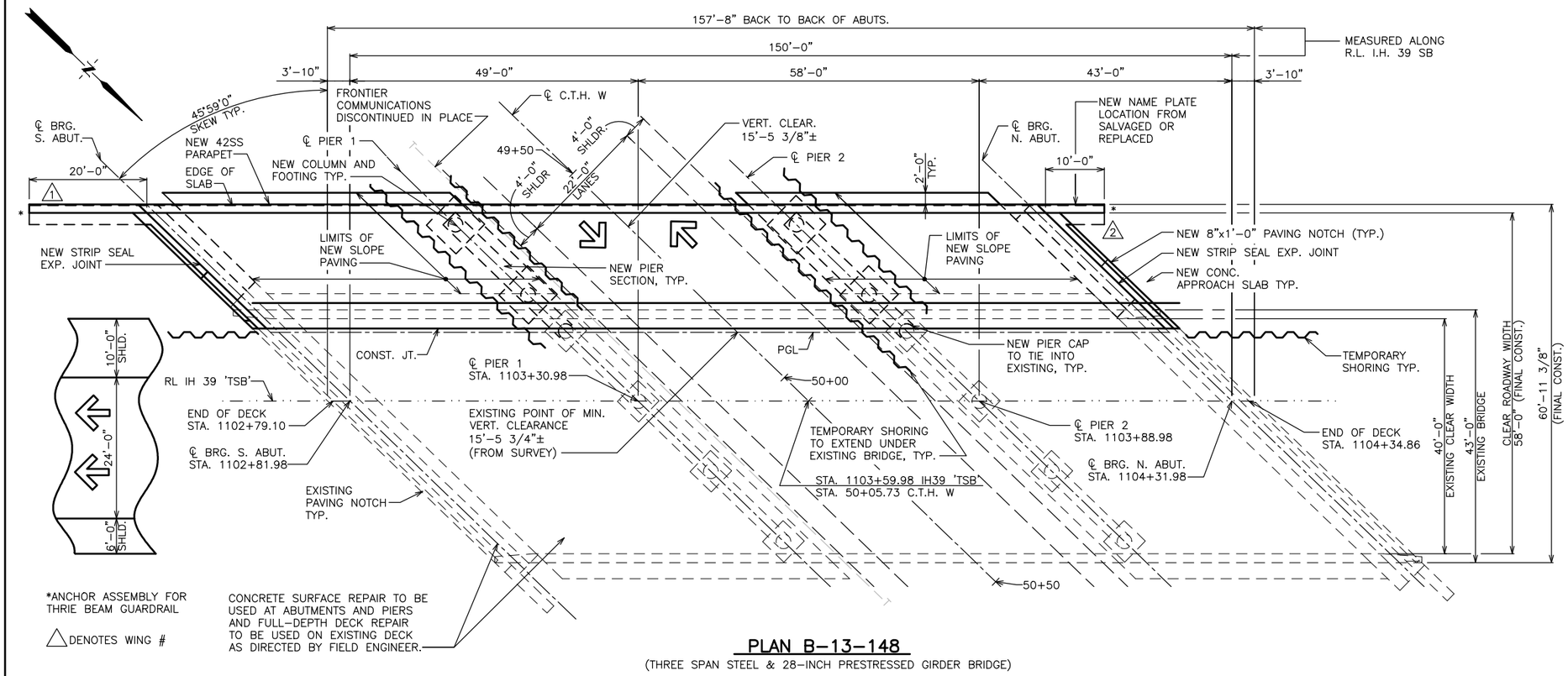
1007-10-88



*ANCHOR ASSEMBLY FOR THRIE BEAM GUARDRAIL

△ DENOTES WING #

CONCRETE SURFACE REPAIR TO BE USED AT ABUTMENTS AND PIERS AND FULL-DEPTH DECK REPAIR TO BE USED ON EXISTING DECK AS DIRECTED BY FIELD ENGINEER.

PLAN B-13-148

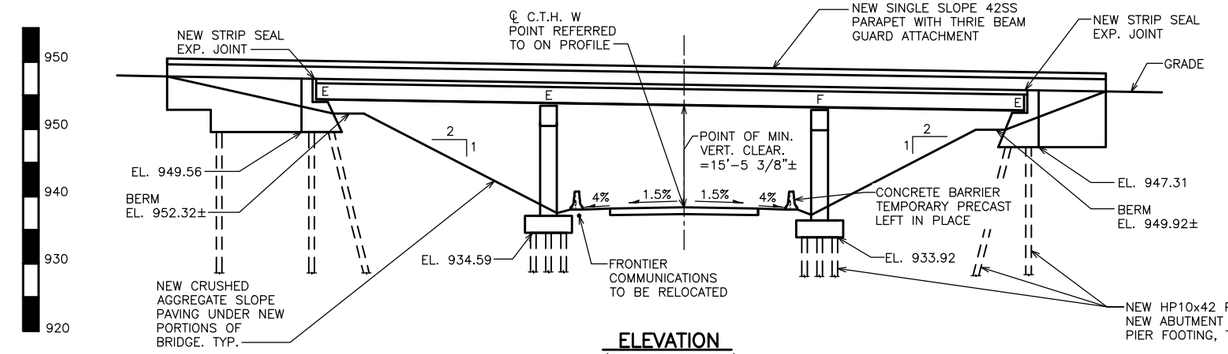
(THREE SPAN STEEL & 28-INCH PRESTRESSED GIRDER BRIDGE)

LIST OF DRAWINGS

1. GENERAL PLAN
2. TYPICAL SECTIONS
3. ESTIMATED QUANTITIES AND NOTES
4. SUBSURFACE EXPLORATION
5. SOUTH ABUTMENT
6. SOUTH ABUTMENT WING 1 DETAILS
7. SOUTH ABUTMENT DETAILS
8. NORTH ABUTMENT
9. NORTH ABUTMENT WING 2 DETAILS
10. NORTH ABUTMENT DETAILS
11. PIER 1 & 2
12. FIXED BEARING DETAILS
13. LAMINATED ELASTOMERIC BEARINGS
14. CONCRETE BEARING BLOCK DETAIL
15. STRIP SEAL EXPANSION JOINT DETAILS AT ABUTMENTS
16. STRIP SEAL EXPANSION JOINT DETAILS AT ABUTMENTS
17. 28" PRESTRESSED GIRDER DETAILS
18. STEEL DIAPHRAGM DETAILS
19. DECK ELEVATIONS AND TABLE OF DEFLECTIONS
20. SUPERSTRUCTURE
21. SUPERSTRUCTURE PLAN
22. SUPERSTRUCTURE DETAILS AND BILL OF BARS
23. SINGLE SLOPE PARAPET 42SS
24. SLOPE PAVING CRUSHED AGGREGATE

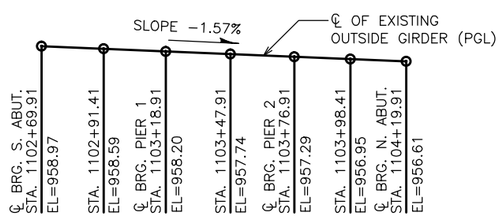
TRAFFIC DATA:

AVERAGE DAILY TRAFFIC (ADT)
IH39 SB----------56,650 (2020)
58,030 (2022)
R.D.S.----------70 MPH
C.T.H. W----------535 (2019)
695 (2039)
R.D.S.----------60 MPH



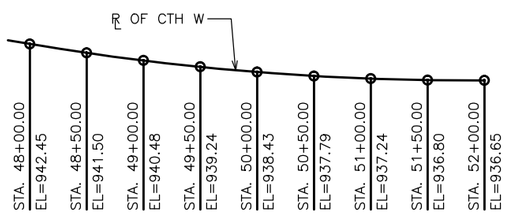
ELEVATION

(NORMAL TO CTH W)



PROFILE GRADE I.H. 39

(BASED ON SURVEY. OFFSET 11'-8" LEFT OF RL IH 39 'TSB')



PROFILE GRADE CTH W

(BASED ON SURVEY)

BENCH MARKS

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
BM1	STA.2028'SB'+36.05	78.23' LT	SET CAPPED REBAR MONUMENT APPROX. 2300' S. OF CTH W	894.53

FOR DESIGN DATA SEE SHEET 2

WISDOT BRIDGE OFFICE CONTACT:
WILLIAM DREHER, PE
608.266.8489

OTIE CONTACT:
JAMES HALL, PE, SE
608.241.6717

WISCONSIN PROFESSIONAL ENGINEER
JAMES J. HALL
E-36292
VERONA, WI
2/7/17

NO.	DATE	REVISION	BY

PLANS PREPARED BY

OTIE An Oneida Nation Company
5100 Eastpark Blvd
Suite 300
Madison, WI 53718
www.OTIE.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 02/23/1
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-148

I.H.39 SB OVER C.T.H. W

COUNTY DANE
TOWN ~~CITY/VILLAGE~~ CHRISTIANA

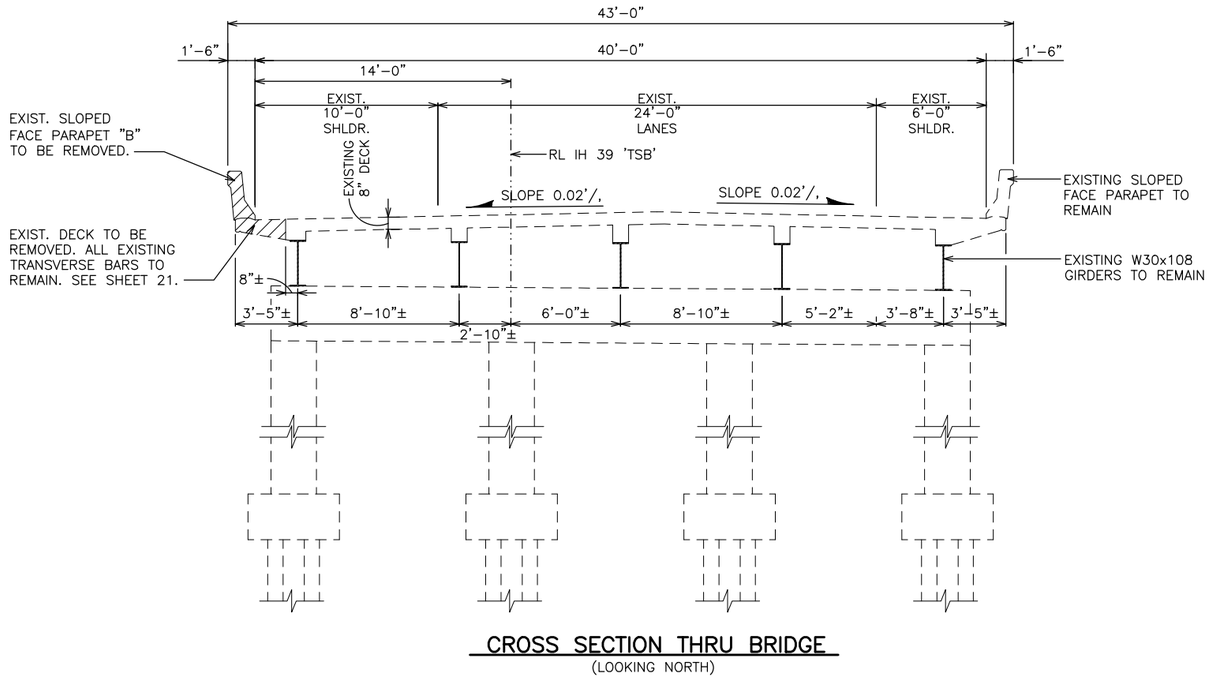
DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
SDB	JJH	KGC	JJH

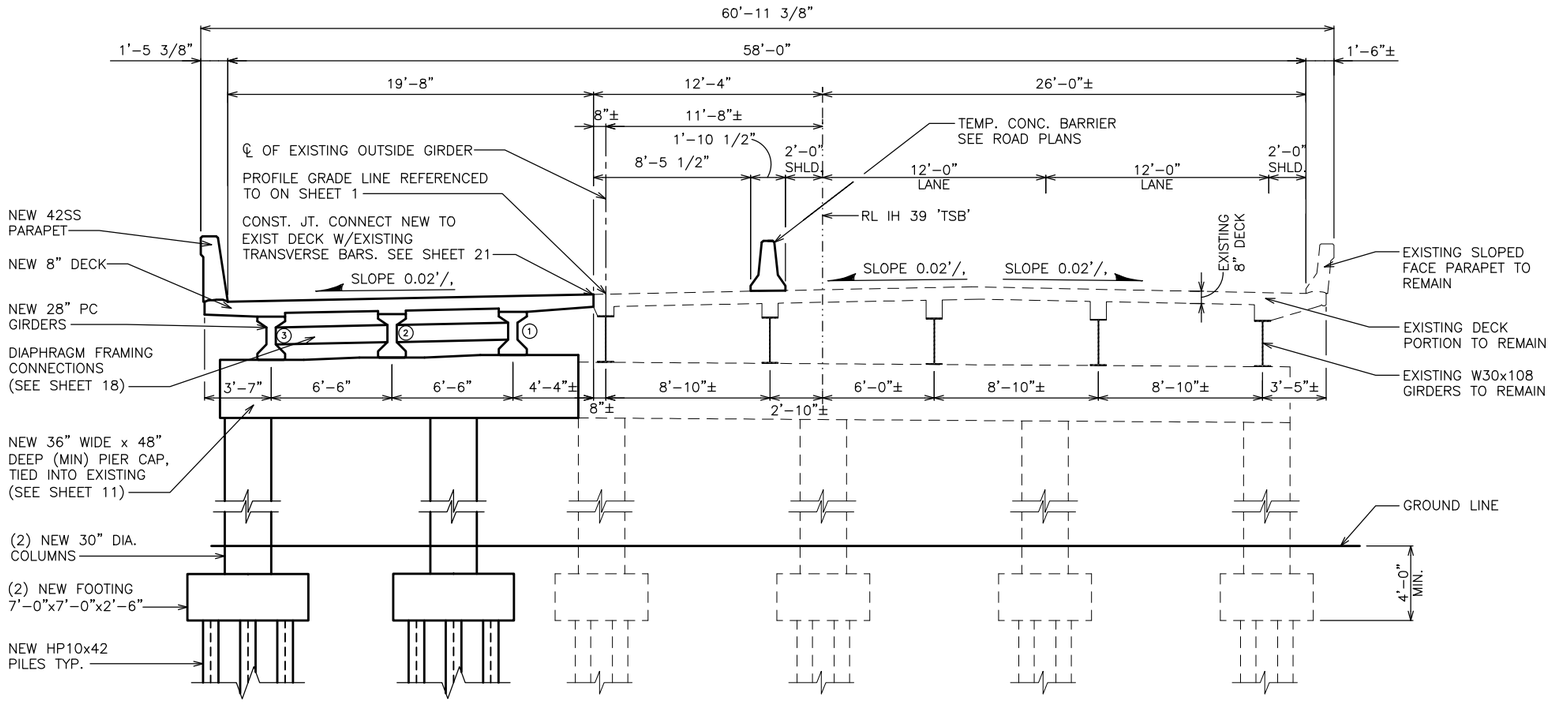
GENERAL PLAN

SHEET 1 OF 24

STATE PROJECT NUMBER
1007-10-88



CROSS SECTION THRU BRIDGE
(LOOKING NORTH)



CROSS SECTION THRU BRIDGE
(LOOKING NORTH)

DESIGN DATA

LRFD DESIGN FOR NEW GIRDERS AND SUBSTRUCTURES.

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.12
OPERATING RATING FACTOR: RF=1.45
WISCONSIN STANDARD PERMIT VEHICLE RATING (WIS.-SPV): 190 KIPS

- INVENTORY AND OPERATIONAL RATINGS DO NOT INCLUDE A FUTURE WEARING SURFACE.
- STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 PSF

MATERIAL PROPERTIES:
CONCRETE MASONRY -SLAB----------f'c = 4,000 PSI
-ALL OTHERS-----f'c = 3,500 PSI
HIGH STRENGTH BAR STEEL REINF.
AASHTO GRADE 60----------Fy = 60,000 PSI
28" PRESTRESSED GIRDERS,
CONCRETE MASONRY----------f'c = 8,000 PSI FINAL
STRANDS-0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 PSI
STRUCTURAL STEEL
ASTM A709 GRADE 36----------Fy = 36,000 PSI (DIAPHRAGMS)

EXISTING GIRDERS AND SUBSTRUCTURES

DESIGN LOADING: HS-20
INVENTORY RATING = HS-20
OPERATIONAL RATING= HS-32

MATERIAL PROPERTIES:
CONCRETE MASONRY
SLAB----------f'c = 4,000 P.S.I.
ALL OTHER----------f'c = 3,500 P.S.I.
HIGH STRENGTH BAR STEEL REINF.---------fy = 60,000 P.S.I.
STRUCTURAL CARBON STEEL
A.S.T.M. A36----------fs = 20,000 P.S.I.
A.S.T.M. A572----------fs = 27,000 P.S.I.
*EXISTING STEEL
A.S.T.M. A-373-58T----------Fy = 38,730 P.S.I.
*MILL TESTS USED FOR STRUCTURAL RATINGS

FOUNDATION DATA

ABUTMENT WIDENINGS SHALL BE SUPPORTED ON HP 10x42 STEEL PILES WITH A REQUIRED DRIVING RESISTANCE OF 70 TONS* PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH OF 45 FEET FOR THE SOUTH ABUTMENT AND 75 FEET FOR THE NORTH ABUTMENT.

PIERS SHALL BE SUPPORTED ON HP 10x42 STEEL PILES WITH A REQUIRED DRIVING RESISTANCE OF 100 TONS* PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH OF 60 FEET.

*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.

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-148

DRAWN BY KGC | PLANS CHK'D JJH

TYPICAL SECTIONS

SHEET 2 OF 24

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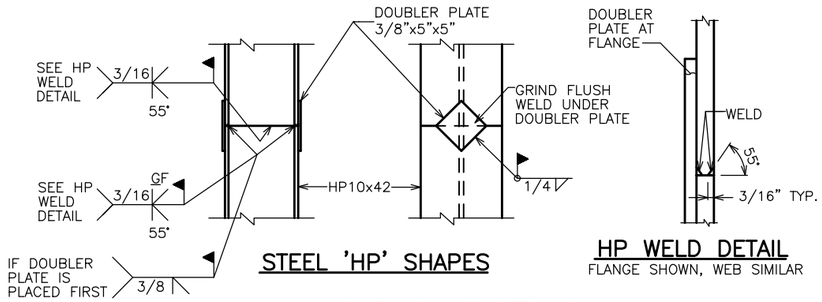


STEEL 'HP' SHAPES

HP WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

PILE SPLICE DETAILS

GENERAL NOTES

DRAWINGS ARE NOT TO BE SCALED.

DIMENSIONS AND ELEVATIONS ARE BASED ON EXISTING ORIGINAL STRUCTURE PLANS, DECK REPLACEMENT PLANS, AND FIELD SURVEY.

BAR STEEL REINFORCING SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

SALVAGE EXISTING NAME PLATE IF POSSIBLE, OTHERWISE THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR OF 1961.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAW CUT UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES SHALL BE THE EXISTING GROUNDLINE.

SEE ROADWAY PLANS FOR LANE STAGING AND TRAFFIC.

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, ABUTMENT DETAILS AND ALL DETAILS SHOWN IN PLAN.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON SHEET 17.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

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 STRUCTURAL BACKFILL TYPE A. SEE SHEETS 7 AND 10 FOR DETAIL.

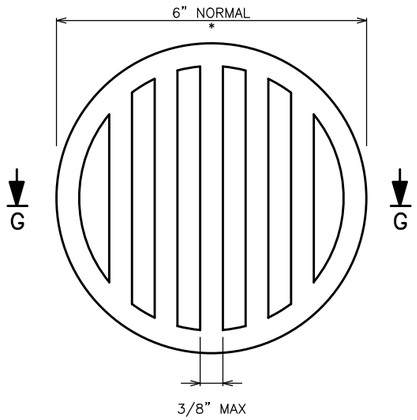
APPLY PROTECTIVE SURFACE TREATMENT TO TOP OF NEW BRIDGE DECK AND PIGMENTED SURFACE SEALER TO TOP AND INSIDE FACES OF NEW PARAPET.

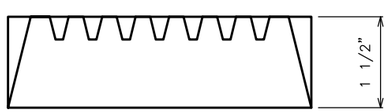
THE EXISTING BRIDGE B–13–148 IS A 3–SPAN CONTINUOUS STEEL GIRDER BRIDGE WITH AN OVERALL LENGTH OF 157'–8" AND A CLEAR ROADWAY WIDTH OF 40'.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	SOUTH ABUT.	PIER 1	PIER 2	NORTH ABUT.	SUPER STRUCT.	TOTALS
203.0200	REMOVING OLD STRUCTURE STA. 1103'TSB'+59.98	LS	––	––	––	––	––	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B–13–148	LS	––	––	––	––	––	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	170	––	––	140	––	310
502.0100	CONCRETE MASONRY BRIDGES	CY	40.5	26.7	26.7	34.2	119.8	247.9
502.3100	EXPANSION DEVICE B–13–148	LS	––	––	––	––	––	1
502.3200	PROTECTIVE SURFACE TREATMENT	SY	––	––	––	––	360	360
502.3210	PIGMENTED SURFACE SEALER	SY	––	––	––	––	90	90
502.4204	ADHESIVE ANCHORS NO. 4 BAR	EA	6	8	8	6	––	28
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EA	3	––	––	3	––	6
502.4206	ADHESIVE ANCHORS NO. 6 BAR	EA	10	––	––	10	––	20
502.4207	ADHESIVE ANCHORS NO. 7 BAR	EA	––	12	12	––	––	24
502.4208	ADHESIVE ANCHORS NO. 8 BAR	EA	––	––	––	7	––	7
502.4209	ADHESIVE ANCHORS NO. 9 BAR	EA	7	––	––	––	––	7
503.0128	PRESTRESSED GIRDER TYPE I 28–INCH	LF	––	––	––	––	452	452
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2,640	630	630	2,150	––	6,050
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,640	2,830	2,830	1,100	26,500	34,900
506.2605	BEARING PADS ELASTOMERIC NON–LAMINATED	EA	––	––	6	––	––	6
506.2610	BEARING PADS ELASTOMERIC LAMINATED	EA	3	6	––	3	––	12
506.4000	STEEL DIAPHRAGMS B–13–148	EA	––	––	––	––	6	6
★ 509.1500	CONCRETE SURFACE REPAIR	SF	––	––	––	––	––	100
★ 509.2000	FULL–DEPTH DECK REPAIR	SY	––	––	––	––	12	12
511.1200	TEMPORARY SHORING B–13–148	SF	150	720	720	150	––	1,740
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	9	––	––	6	––	15
550.1100	PILING STEEL HP 10–INCH X 42 LB	LF	315	600	600	450	––	1,965
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	105	––	––	95	––	200
612.0406	PIPE UNDERDRAIN WRAPPED 6–INCH	LF	65	––	––	45	––	110
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EA	1	––	––	1	––	2
	NON–BID–ITEMS							
	FILLER	SIZE						¾"

★ CONCRETE SURFACE REPAIR TO BE USED AT ABUTMENTS AND PIERS AND FULL–DEPTH DECK REPAIR TO BE USED ON EXISTING DECK AS DIRECTED BY FIELD ENGINEER.





RODENT SCREEN DETAIL

SECTION G–G

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SCREEN, PIPE COUPLING AND SCREWS SHALL BE INCLUDED WITH THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6 INCH".

THE RODENT SCREEN 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 ATTACHMENT OF THIS SCREEN TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SCREEN SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1" STAINLESS STEEL SHEET METAL SCREWS.

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–148

DRAWN BY KGC | PLANS CHK'D JJH

ESTIMATED QUANTITIES AND NOTES

SHEET 3 OF 24

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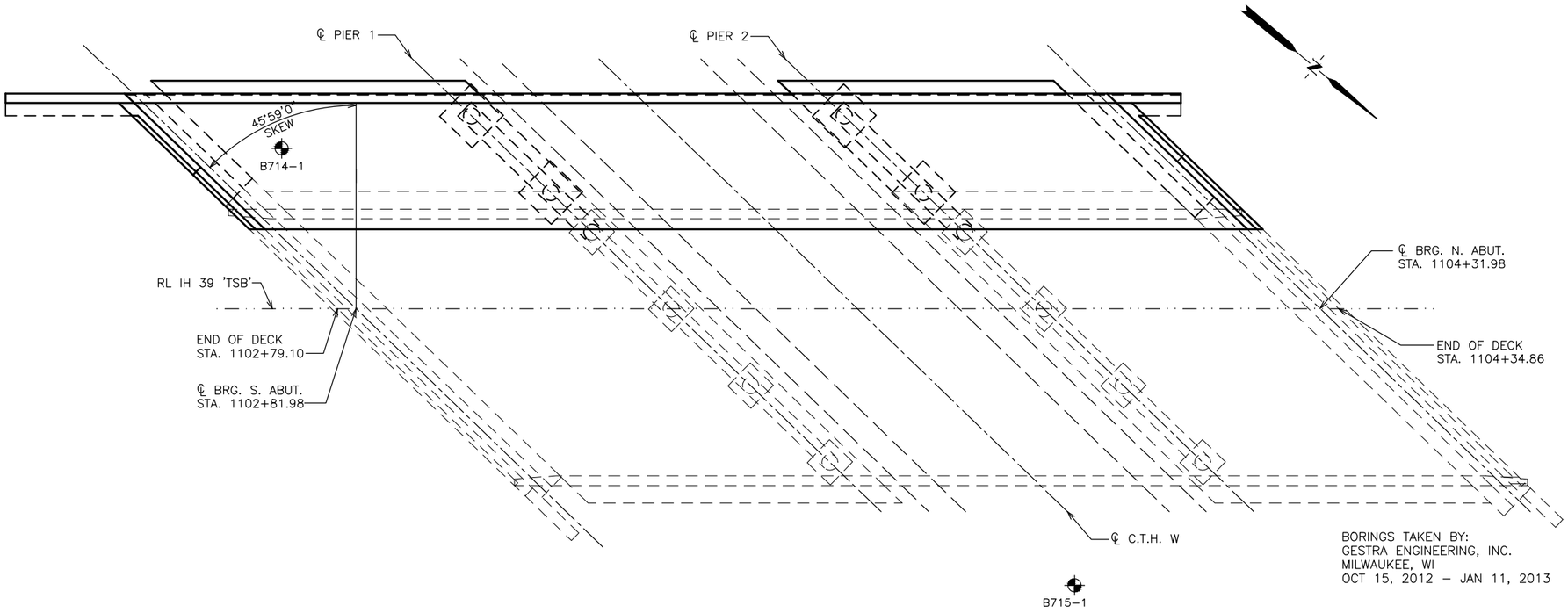
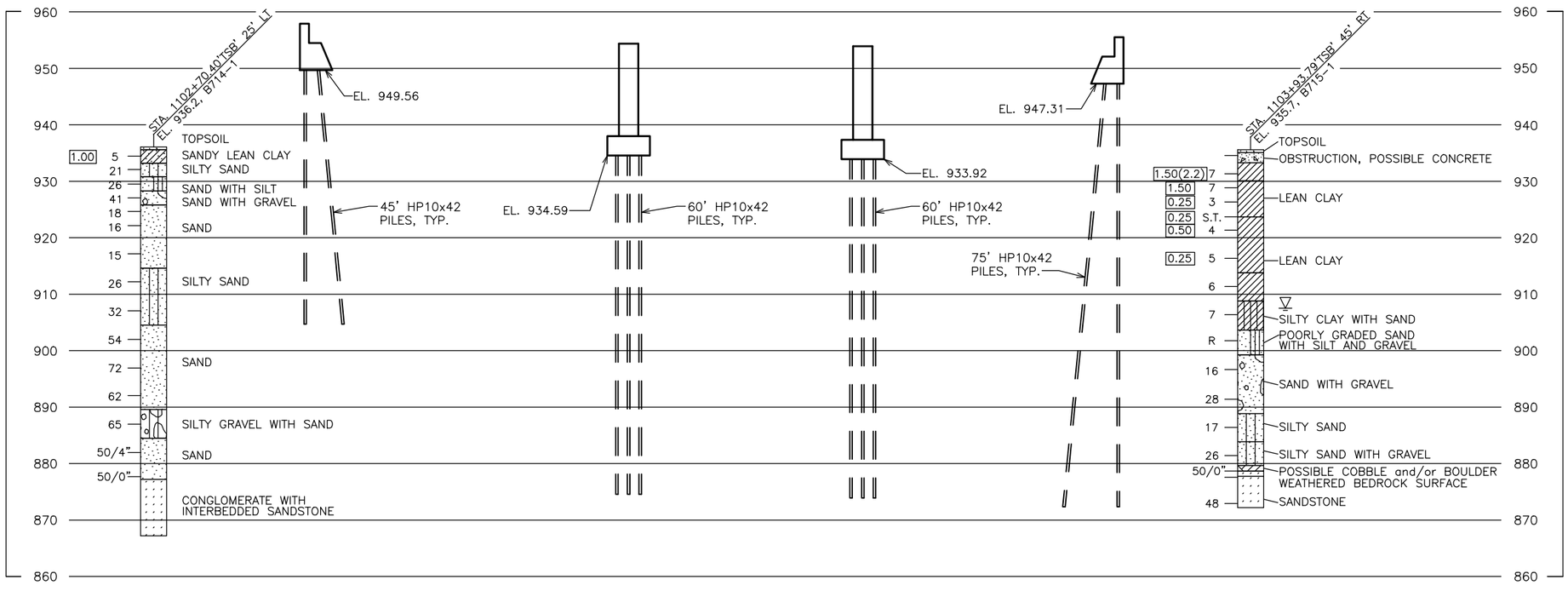


BORINGS TAKEN BY:
GESTRA ENGINEERING, INC.
MILWAUKEE, WI
OCT 15, 2012 – JAN 11, 2013



STATE PROJECT NUMBER

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ABBREVIATIONS

F— Fine M— Medium C— Coarse
Ws— Weathered So— Sound

MATERIAL SYMBOLS

Topsoil, Sand, Gravel, Silt, Peat, Clay, Sandstone, Limestone, Igneous Rock

LEGEND OF PROBING

95/6=95 Blows for 6" Penetration Probing taken with a 350#wt. Falling 18" on a 2" O.D. Point.

Probing No.
Sta.
Elevation
7 Average Blows Per Foot
Refusal 95/6

LEGEND OF BORING

BORING NO.
STA.
Elev.
Unconfined Strength → 7.7
Blows Per Ft. Using 140# Wt. Falling 30"
Wash Sample
Shelby Tube — S.T.
Ground Water Elevation
No Ground Water Observed Above This Elevation
Sandy Gravel
F.
Boulders or Cobbles
Sand
Silty Clay
So Limestone

UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A 2"O.D.x1.4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–148

DRAWN BY KGC | PLANS CHK'D JJH

SUBSURFACE EXPLORATION

SHEET 4 OF 24

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STATE PROJECT NUMBER
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NOTE:
CONCRETE SURFACE REPAIR TO BE USED AT EXISTING ABUTMENT AS DIRECTED BY FIELD ENGINEER.

EXISTING ABUTMENT BODY TO REMAIN

3"

22 SPA. AT 1'–0" = 22'–0"
A507, A509

ADHESIVE ANCHORS NO. 4 BAR, EMBED 0'–10" MIN.

INCORPORATE EXISTING VERTICAL REINFORCEMENT IN NEW WORK

EL. 958.76±

A422

A523

A510

A

1'–0" LAP

EL 958.89 TOP OF DECK AT DECK EDGE

EL. 959.23 TOP OF DECK AT WING TIP

ADHESIVE ANCHORS NO. 5 BAR, EMBED 1'–0 1/2" MIN.

A509

A408

EL=955.31

A507

EXIST. EL.=954.88±
(FROM SURVEY)

EL=955.36

EL=955.34

3'–6"

5'–6 1/4"

3'–7 3/8"

CONCRETE BEARING BLOCK

J01

A905
A606

A601
A602

4'–1 3/4"

5'–9"

BERM

A903
A604

A

EXIST. EL=949.82±

ADHESIVE ANCHORS NO. 9 BAR, EMBED 1'–10 1/2" MIN.
ADHESIVE ANCHORS NO. 6 BAR, EMBED 1'–3" MIN.

EL=949.56

18 SPA. AT 1'–0" = 18'–0"
A601, A602

FOR SECTION A SEE SHEET 7

ELEVATION
(LOOKING SOUTH)

J01 ROUGHEN SURFACE OF CONCRETE 1/4" DEEP MIN. ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

☆ PIPE UNDERDRAIN WRAPPED (6–INCH) SLOPED TO DRAIN. SEE SHEET 7.

18'–9 3/8"±

5'–8 1/4"± 1'–2 3/4"±

20'–2 7/8"±

REMOVE CONCRETE WING WALL TO FACE OF EXISTING ABUTMENT.

REMOVE CONCRETE BACKWALL IN THIS AREA 1'–0" BELOW TOP OF DECK

RL IH 39 'TSB'

45°59'0" SKEW

SAWCUT 8"x12" TO CONTINUE PAVING NOTCH. INCLUDED WITH REMOVING OLD STRUCTURE.

7'–0"

PAVING NOTCH

EXISTING PAVING NOTCH

135°59'0"

18'–8 1/2"

8"

3"

J01

SEE CONCRETE BEARING BLOCK DETAIL ON SHEET 14

11'–8"

1'–3"

1'–0"

1'–0"

3'–7"

6'–0"

℄ OF BRG. S. ABUT.

2'–1"

SLOPE 1" BETWEEN BEAM SEATS TYP.

3'–2 7/8"

3'–0"

8"

STA. 1102+81.98'TSB'

℄ OF EXISTING GIRDER TYP.

CONST. JT.

3'–5 3/8"± 1'–9" 1'–8 1/2" 1'–9" 1'–9" 5'–10 1/4"

℄ OF NEW GIRDER TYP.

16'–9 1/2"± 7'–2 3/8"± 9'–4 1/4" 9'–4 1/4" 19'–7 3/4"

25'–8 3/8"± 18'–8 1/2"± 17'–11 1/4"

66'–10 3/8"± EXISTING BODY TO REMAIN IN PLACE

PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–148

DRAWN BY KGC | PLANS CHK'D JJH

SOUTH ABUTMENT

SHEET 5 OF 24

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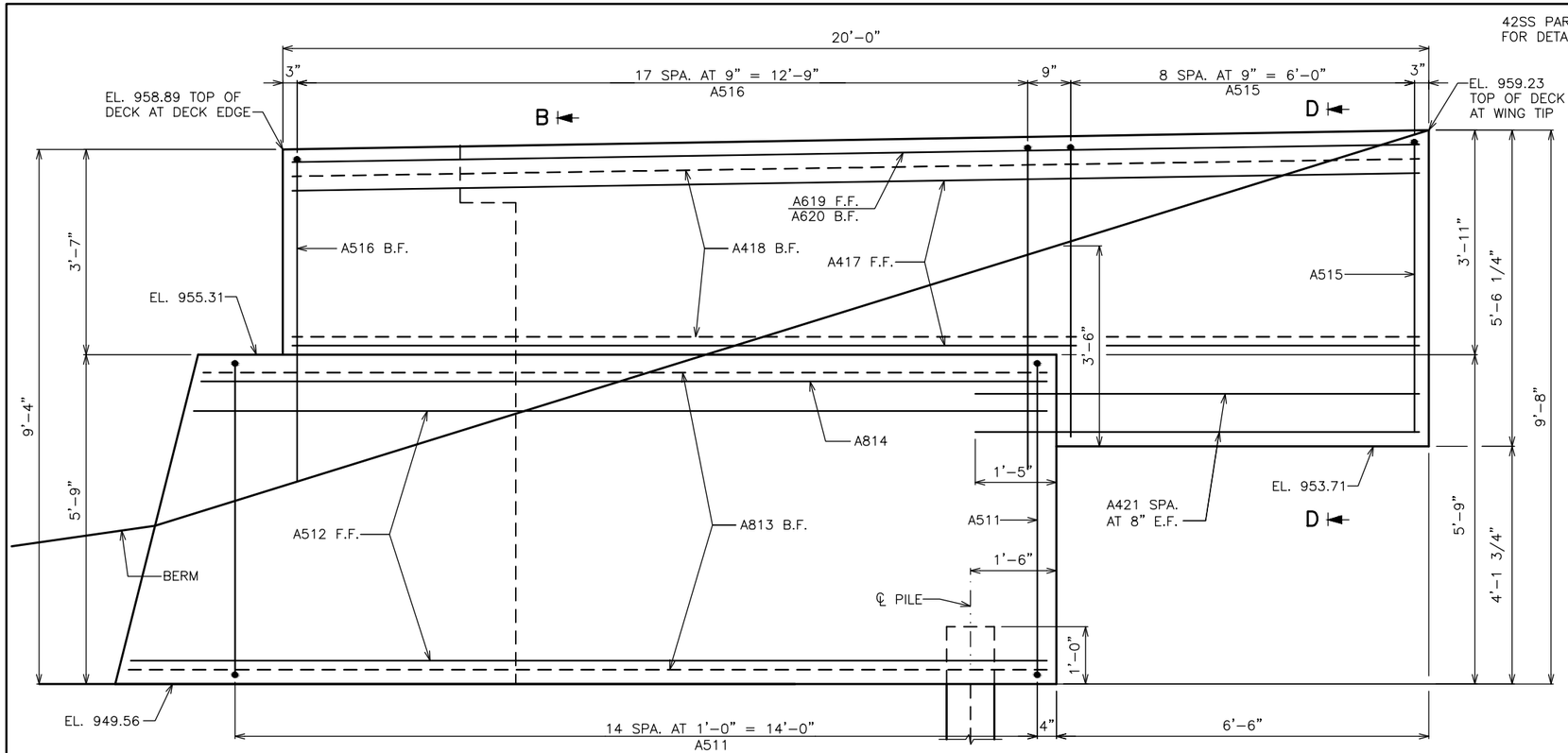
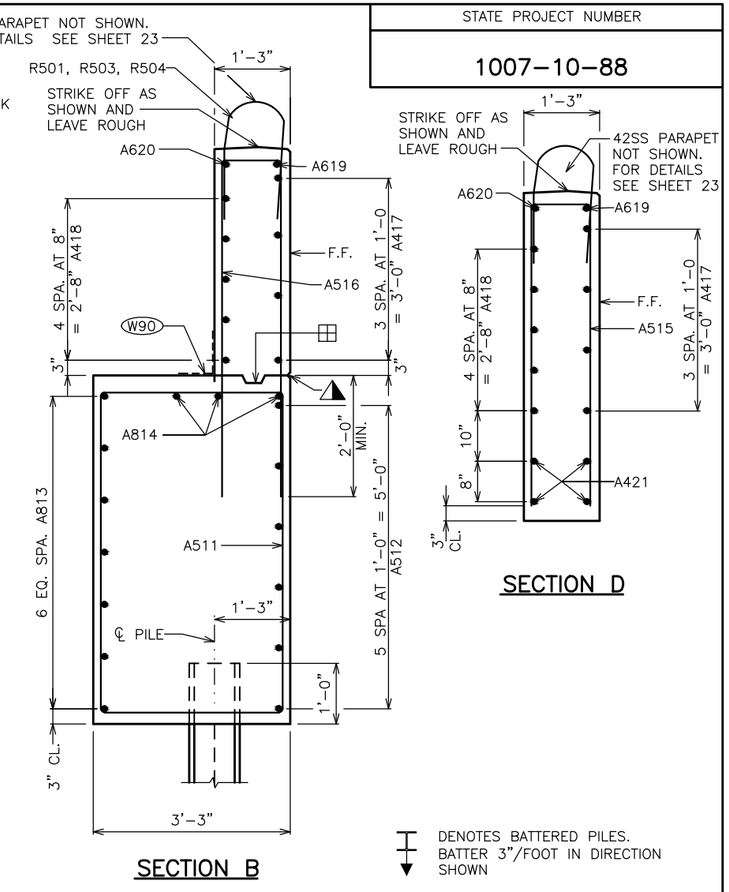
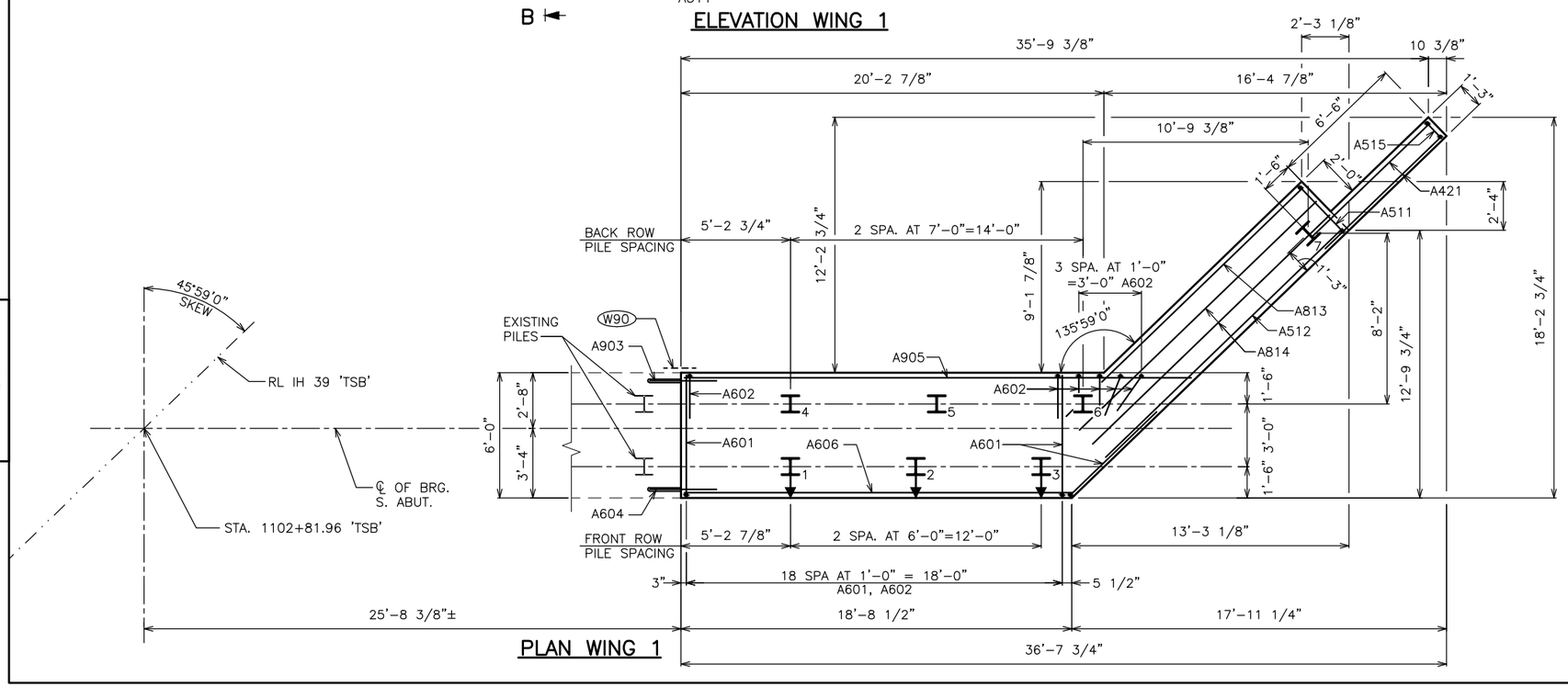


ELEVATION WING 1



SECTION B

SECTION D



PLAN WING 1

DENOTES BATTERED PILES. BATTER 3"/FOOT IN DIRECTION SHOWN

W90 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT

OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

3/4" 'V' GROOVE ON F.F. OF WINGWALL. OMIT IF CONST. JOINT NOT USED.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

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STRUCTURE B-13-148

DRAWN BY KGC | PLANS CHK'D JJH

SOUTH ABUTMENT WING 1 DETAILS

SHEET 6 OF 24

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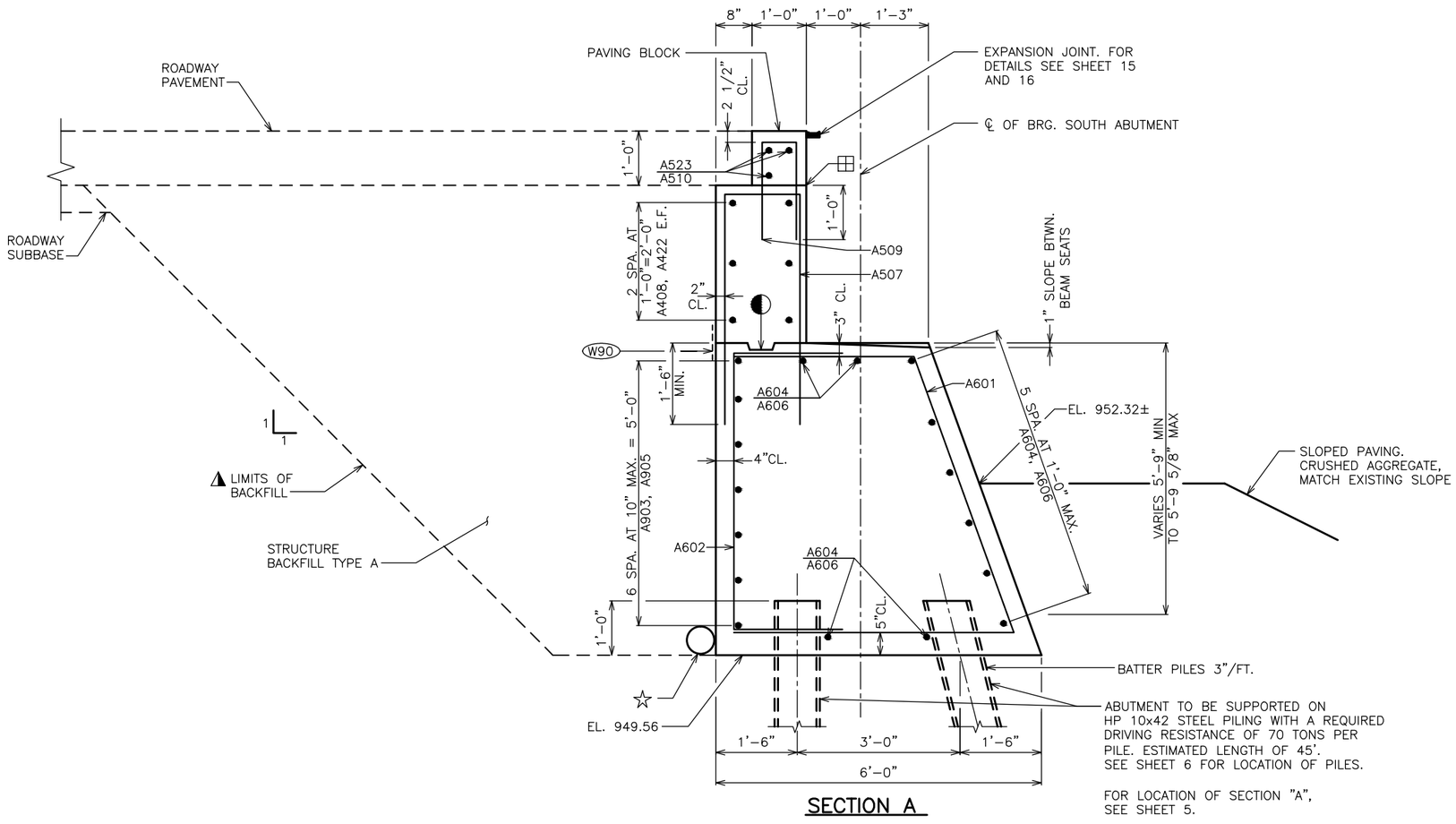


SECTION A

FOR LOCATION OF SECTION "A", SEE SHEET 5.

BILL OF BARS

FOR SOUTH ABUTMENT

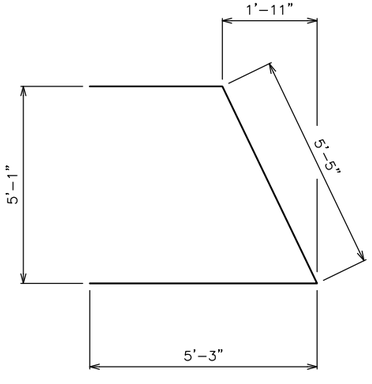
WEIGHTS INCLUDE PARAPET STEEL SHOWN ON SHEET 23

COATED: 1,640 LBS
UNCOATED: 2,640 LBS

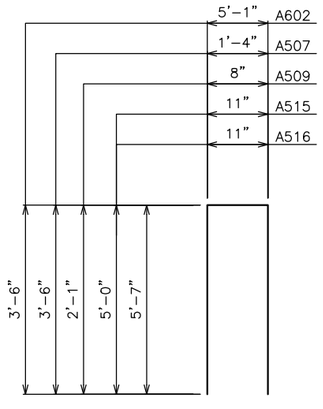
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A601		20	15-7	X		BODY VERT. F.F
A602		23	11-9	X		BODY VERT. B.F.
● A903		7	3-9			BODY DOWELS B.F.
● A604		10	2-6			BODY DOWELS
A905		7	24-2			BODY HORIZ. B.F.
A606		10	18-6			BODY HORIZ.
A507	X	23	8-11	X		BACKWALL VERT.
A408	X	6	21-1			BACKWALL HORIZ.
A509	X	23	4-1	X		BACKWALL AT PAVING BLOCK VERT.
A510	X	12	8-0			PAVING BLOCK HORIZ.
A511		15	16-8	X		WING 1 BODY VERT.
A512		6	15-9			WING 1 BODY HORIZ. F.F.
A813		7	15-9			WING 1 BODY HORIZ. B.F.
A814		3	15-9			WING 1 BODY HORIZ.
A515	X	9	10-8	X		WING 1 RAIL VERT.
A516	X	18	11-10	X		WING 1 RAIL VERT.
A417	X	4	18-4			WING 1 RAIL HORIZ. F.F.
A418	X	5	19-8			WING 1 RAIL HORIZ. B.F.
A619	X	1	18-4			WING 1 RAIL HORIZ. TOP F.F.
A620	X	1	19-8			WING 1 RAIL HORIZ. TOP B.F.
A421	X	4	7-9			WING 1 RAIL HORIZ. BOTH FACES
● A422	X	6	1-8			BACKWALL DOWELS
● A523	X	3	2-1			PAVING BLOCK DOWELS

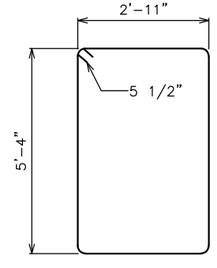
BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

● ADHESIVE ANCHORS



A601





A511

☆ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT DISCHARGE END OF PIPE UNDERDRAIN AND CAP AT THE OTHER END. RODENT SHIELD TO BE INCLUDED IN BID PRICE OF "PIPE UNDERDRAIN WRAPPED 6-INCH". SEE SHEET 3.

(W90) 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT.

◐ OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

⊞ CONSTRUCTION JOINT – POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IN IS PLACE. STRIKE OFF AND LEVEL ROUGH.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-13-148" SHALL BE THE EXISTING GROUNDLINE.

◭ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

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.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

SEE SHEET 3 FOR PILE SPLICE DETAIL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-148

DRAWN BY KGC | PLANS CHK'D JJH

SOUTH ABUTMENT DETAILS

SHEET 7 OF 24

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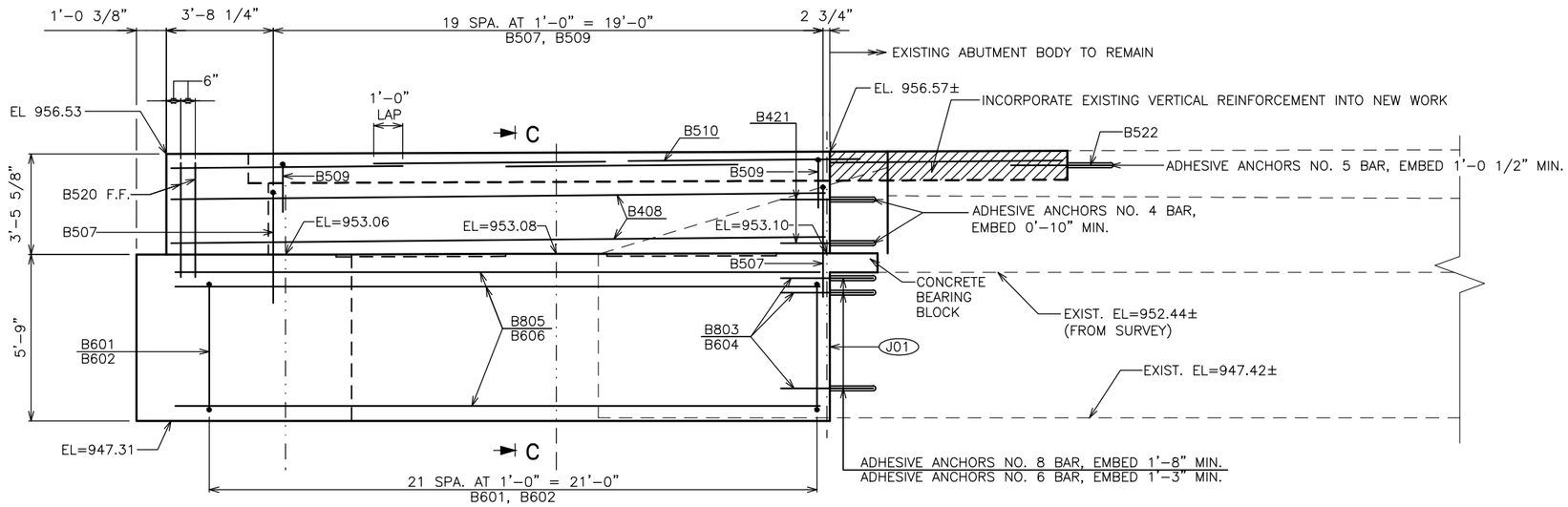


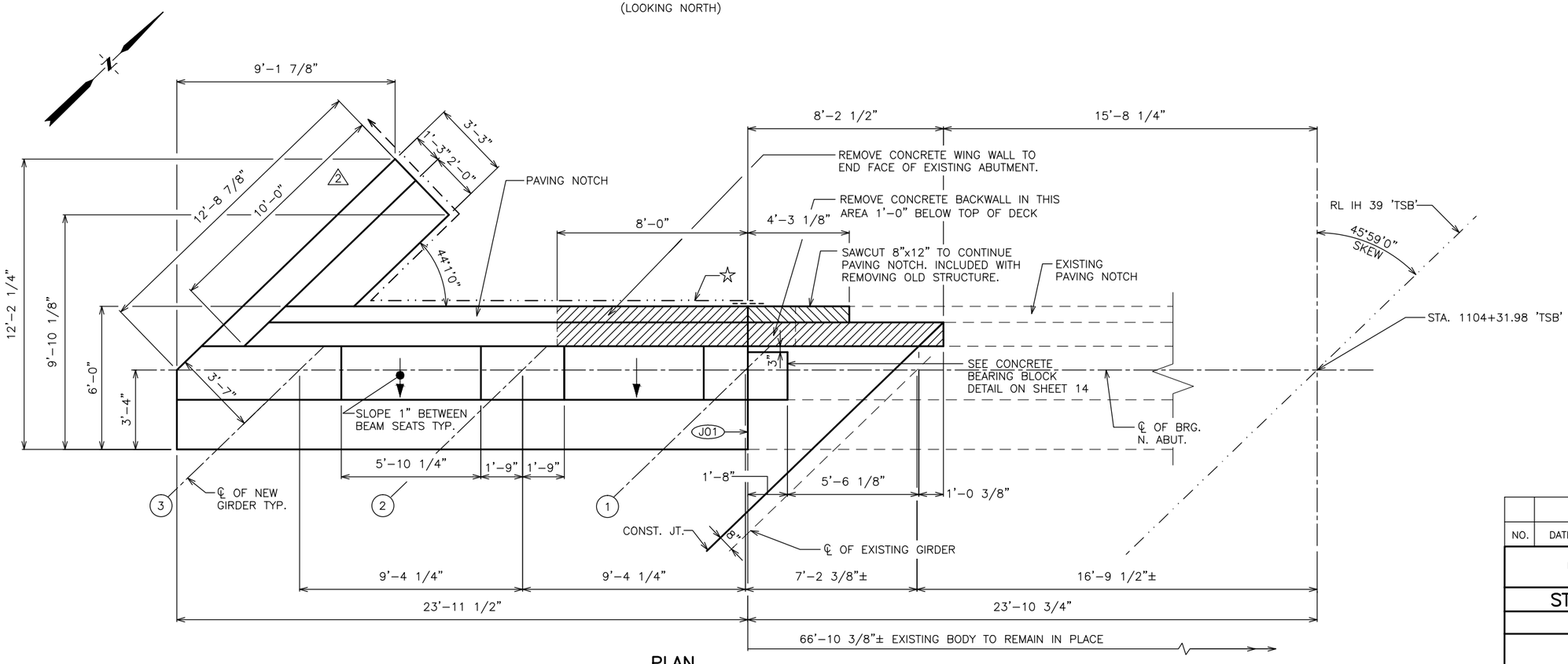
FOR SECTION C SEE SHEET 10

ELEVATION
(LOOKING NORTH)

NOTE:
CONCRETE SURFACE REPAIR TO BE USED AT EXISTING ABUTMENT AS DIRECTED BY FIELD ENGINEER.

J01 ROUGHEN SURFACE OF CONCRETE 1/4" DEEP MIN. ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

☆ PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPED TO DRAIN. SEE SHEET 10.



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-148

DRAWN BY KGC | PLANS CHK'D JJH

NORTH ABUTMENT

SHEET 8 OF 24

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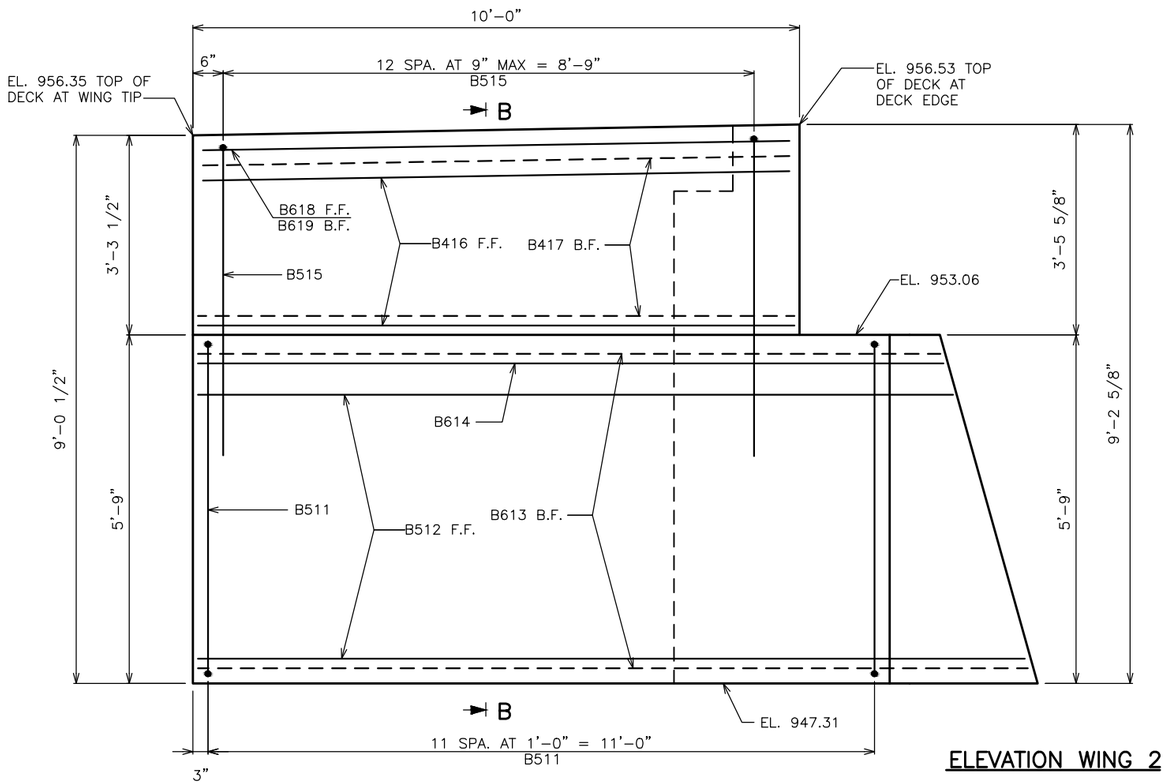
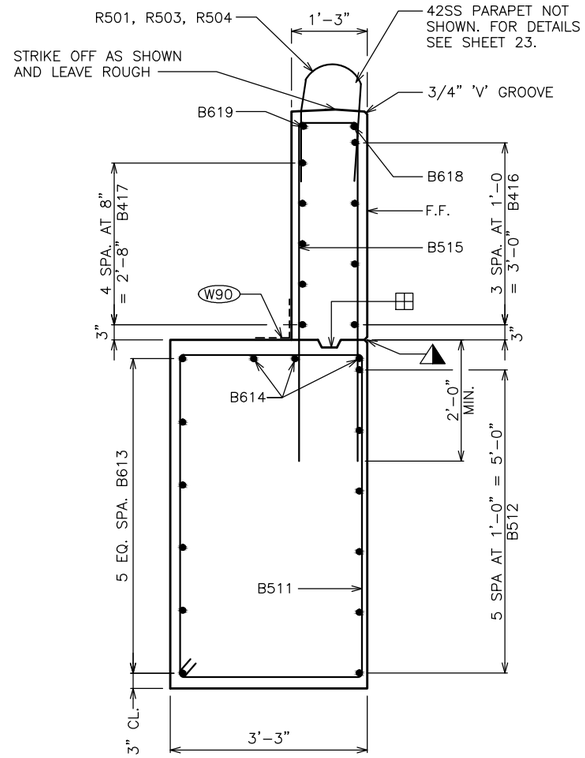
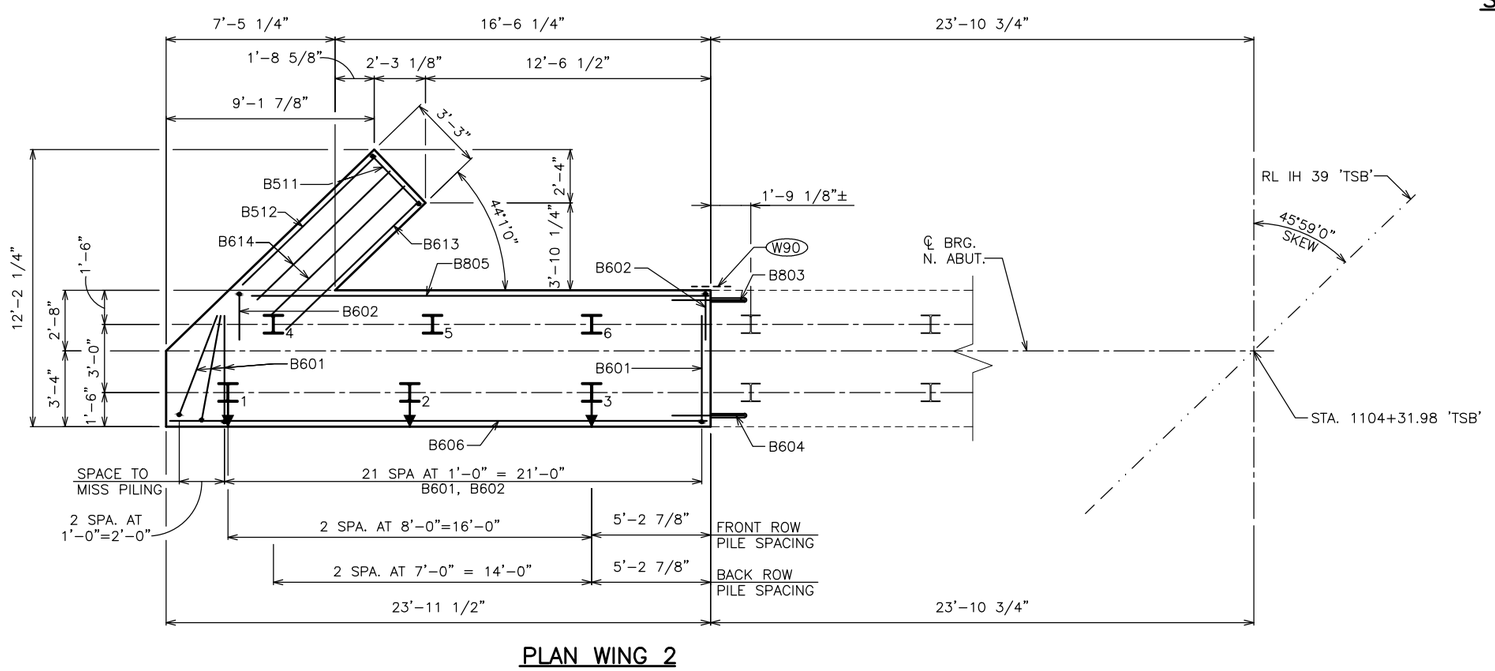


ELEVATION WING 2



SECTION B



PLAN WING 2

DENOTES BATTERED PILES. BATTER 3"/FOOT IN DIRECTION SHOWN

W90 — 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT

OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

3/4" 'V' GROOVE ON F.F. OF WINGWALL. OMIT IF CONST. JOINT NOT USED.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-148

DRAWN BY KGC | PLANS CHK'D JJH

NORTH ABUTMENT WING 2 DETAILS

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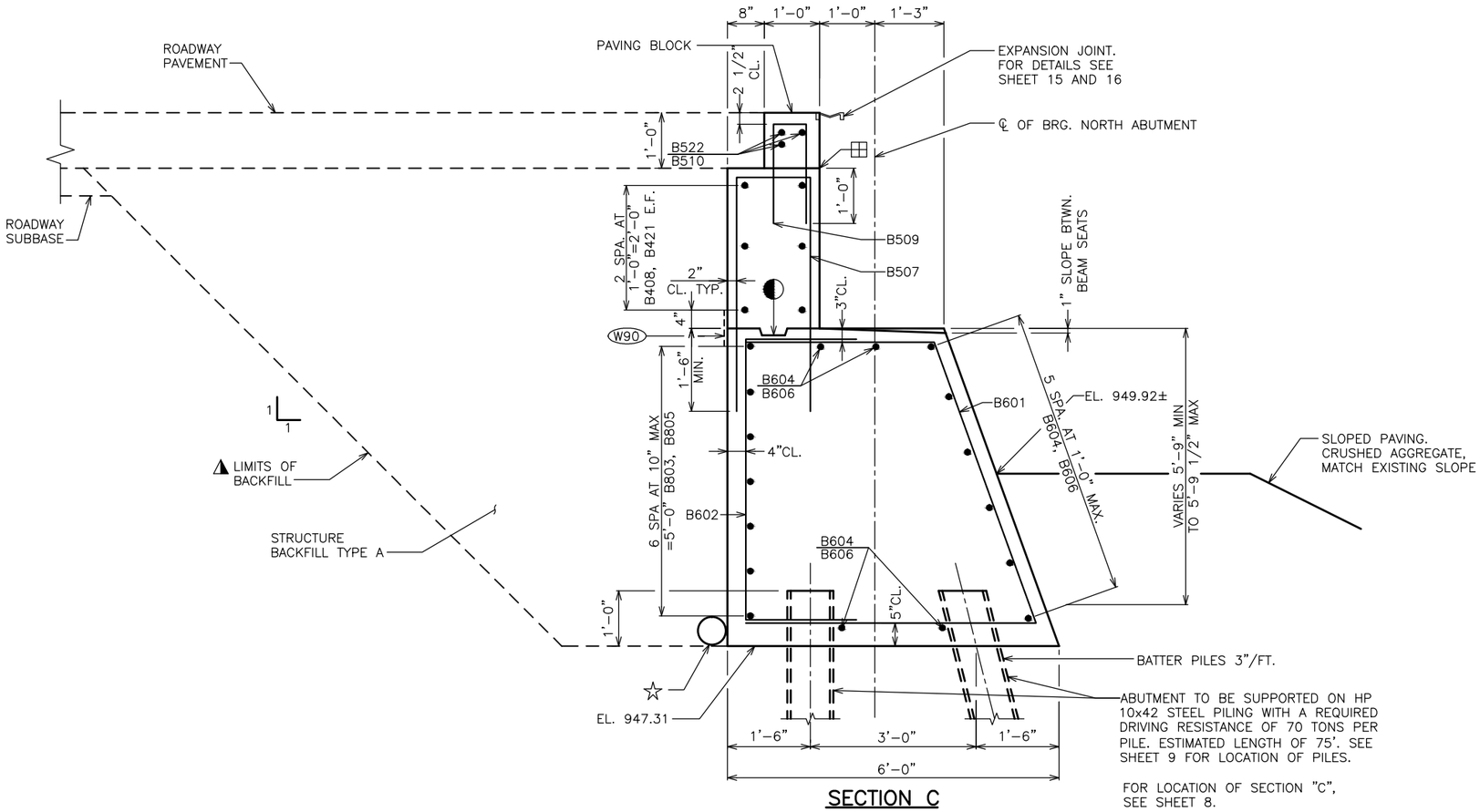


SECTION C

FOR LOCATION OF SECTION "C", SEE SHEET 8.

WEIGHTS INCLUDE PARAPET STEEL SHOWN ON SHEET 23

COATED: 1,110 LBS
UNCOATED: 2,150 LBS

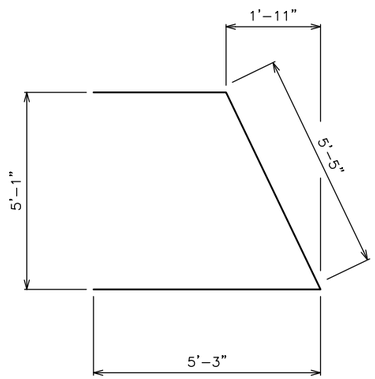
BILL OF BARS

FOR NORTH ABUTMENT

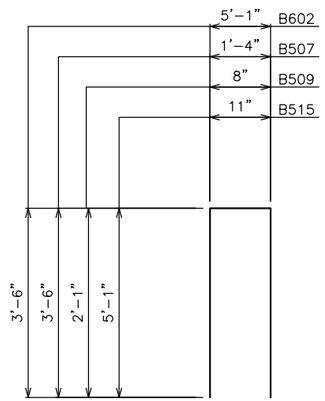
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B601		24	15-7	X		BODY VERT. F.F
B602		22	11-9	X		BODY VERT. B.F.
● B803		7	3-4			BODY DOWELS B.F.
● B604		10	2-6			BODY DOWELS
B805		7	20-1			BODY HORIZ. B.F.
B606		10	23-7			BODY HORIZ.
B507	X	20	8-7	X		BACKWALL VERT.
B408	X	6	19-2			BACKWALL HORIZ.
B509	X	20	4-1	X		BACKWALL AT PAVING BLOCK VERT.
B510	X	15	8-0			PAVING BLOCK HORIZ.
B511		12	16-8	X		WING 2 VERT
B512		6	8-1			WING 2 HORIZ. F.F.
B613		6	8-1			WING 2 HORIZ. B.F.
B614		3	8-1			WING 2 HORIZ.
B515	X	13	11-2	X		WING 2 VERT.
B416	X	4	10-9			WING 2 HORIZ. F.F.
B417	X	5	9-10			WING 2 HORIZ. B.F.
B618	X	1	10-9			WING 2 HORIZ. TOP F.F.
B619	X	1	9-10			WING 2 HORIZ. TOP B.F.
B520	X	2	3-9			BACKWALL VERT. AT WING 2 F.F.
● B421	X	6	1-8			BACKWALL DOWELS
● B522	X	3	2-1			PAVING BLOCK DOWELS

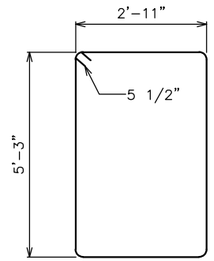
BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

● ADHESIVE ANCHORS



B601





B511

☆ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT DISCHARGE END OF PIPE UNDERDRAIN AND CAP AT THE OTHER END. RODENT SHIELD TO BE INCLUDED IN BID PRICE OF "PIPE UNDERDRAIN WRAPPED 6-INCH". SEE SHEET 3.

(W90) 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT.

◐ OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

⊞ CONSTRUCTION JOINT – POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IN IS PLACE. STRIKE OFF AND LEVEL ROUGH.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-13-148" SHALL BE THE EXISTING GROUNDLINE.

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

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.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

SEE SHEET 3 FOR PILE SPLICE DETAIL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-148

DRAWN BY KGC | PLANS CHK'D JJH

NORTH ABUTMENT DETAILS

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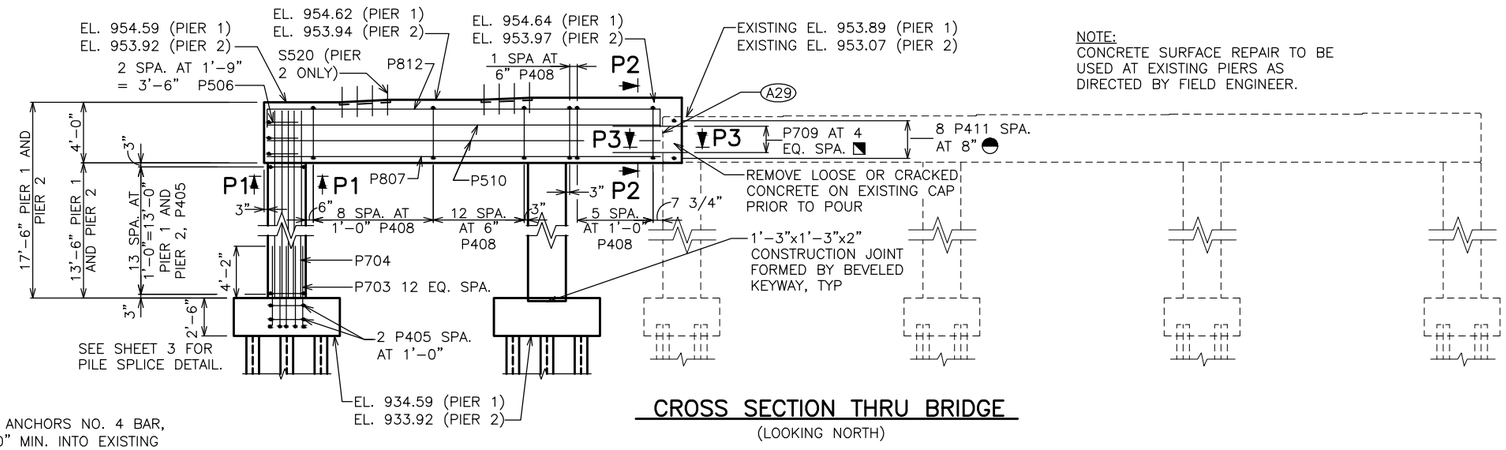


CROSS SECTION THRU BRIDGE

(LOOKING NORTH)

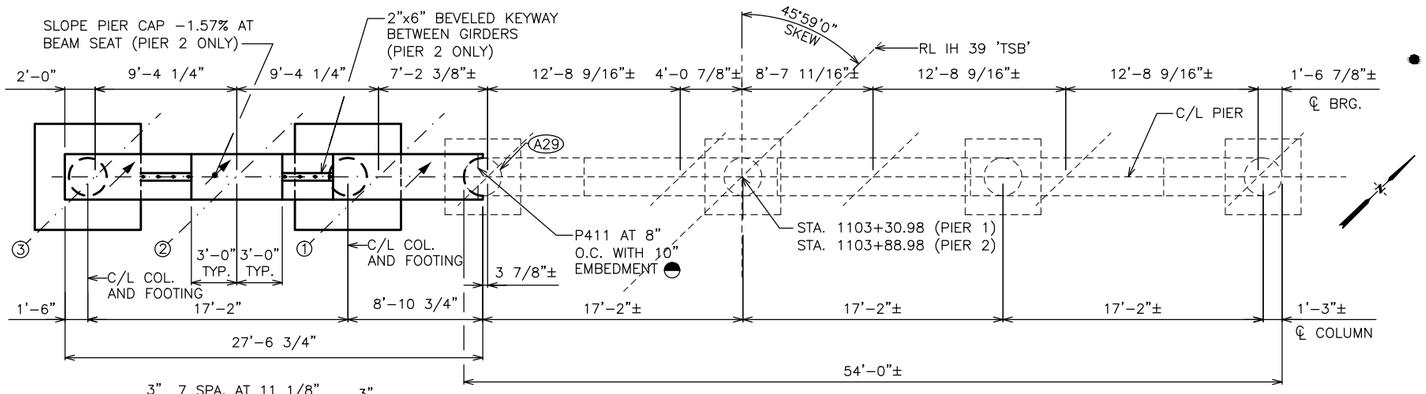
NOTE:
CONCRETE SURFACE REPAIR TO BE USED AT EXISTING PIERS AS DIRECTED BY FIELD ENGINEER.

◓ ADHESIVE ANCHORS NO. 4 BAR, EMBED 10" MIN. INTO EXISTING CONCRETE.

◥ ADHESIVE ANCHORS NO. 7 BAR, EMBED 1'-6" MIN. INTO EXISTING CONCRETE.

(P1) PILING AT PIERS TO BE SUPPORTED ON HP 10x42 STEEL PILING WITH A REQUIRED DRIVING RESISTANCE OF 100 TONS PER PILE. ESTIMATED LENGTH OF 60'.

(A29) ROUGHEN SURFACE OF CONCRETE 1/4" DEEP MINIMUM ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.



PLAN

BILL OF BARS

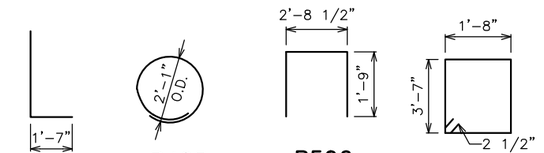
UNCOATED: 1,260 LBS
COATED: 5,650 LBS

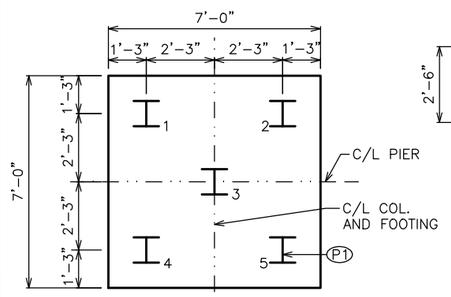
BAR MARK	COAT	PIER 1 NO. REQ'D.	PIER 2 NO. REQ'D.	LENGTH	BENT BAR	BAR SERIES	LOCATION
P601		32	32	6-6			FOOTINGS TOP
P602		32	32	6-6			FOOTINGS BOT.
P703	X	24	24	7-3	X		FOOTING DOWELS
P704	X	24	24	17-2			COLUMNS-VERT.
P405	X	32	32	8-2	X		HOOPS AT FOOTINGS AND COL.
P506	X	3	3	5-9	X		CAP-NOSE BARS
P807	X	6	6	26-0			CAP-HORIZ. BOTTOM
P408	X	54	54	10-8	X		CAP-STIRRUPS
● P709	X	12	12	6-2			CAP-CONC. ADHESIVE ANCHORS
P510	X	4	4	27-2			CAP-SIDE
● P411	X	8	8	2-4	X		DOWELS-PIER CAP
P812	X	6	6	26-10	X		CAP-HORIZ. TOP

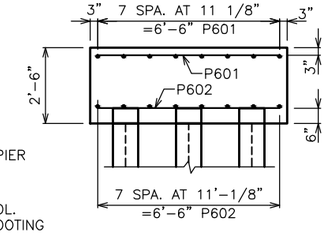
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

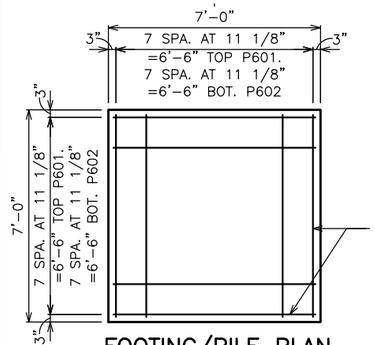
● ADHESIVE ANCHORS



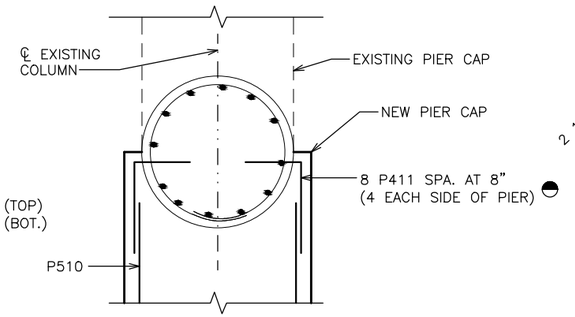




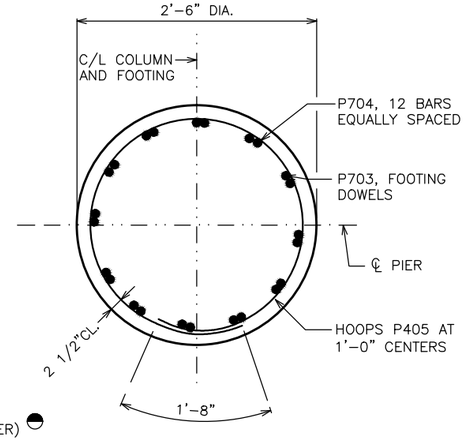
FOOTING ELEVATION



FOOTING/PILE PLAN



SECTION P3



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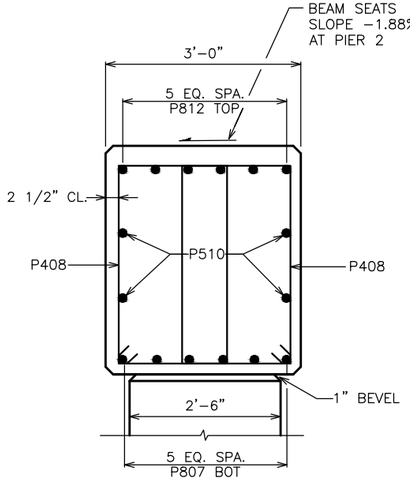

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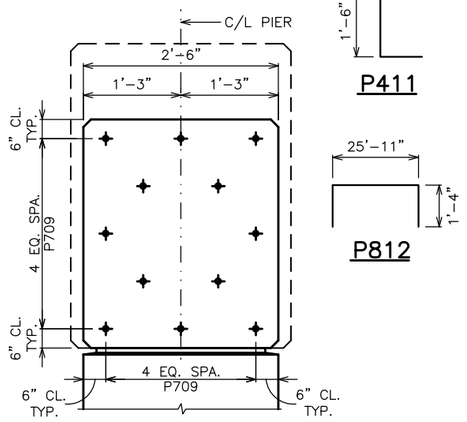

SECTION THRU CAP

SHOWING ADHESIVE ANCHOR SPACING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-148

DRAWN BY KGC | PLANS CHK'D JJH

PIER 1 & 2

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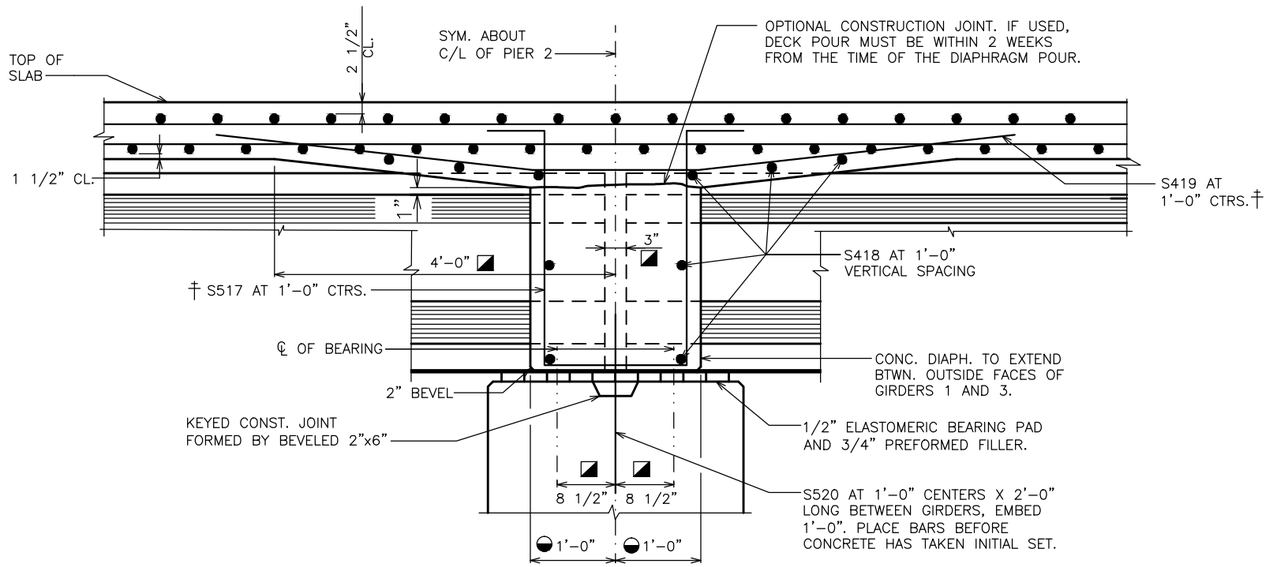
1007–10–88



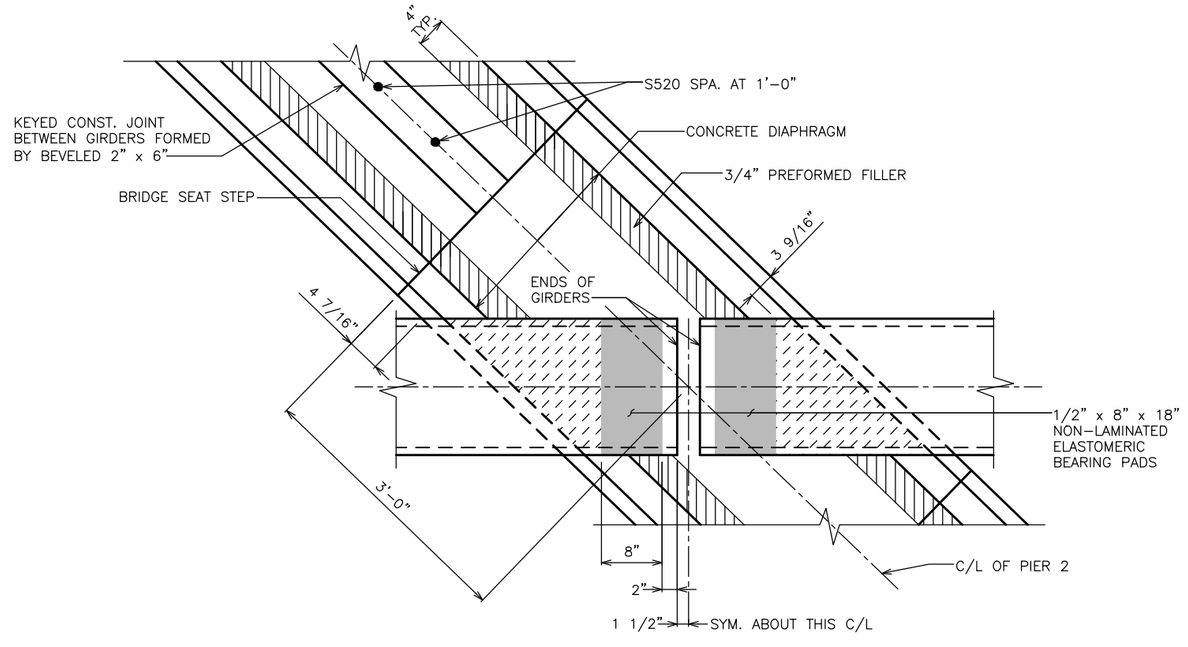
DIAPHRAGM AT 1/2" ELASTOMERIC BEARING AT PIER 2

LEGEND

◪ DIMENSION IS TAKEN PARALLEL TO ℄ GIRDER.

◒ DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

‡ BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO ℄ GIRDERS.



FIXED BEARING AT PIER 2

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–148

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FIXED BEARING DETAILS

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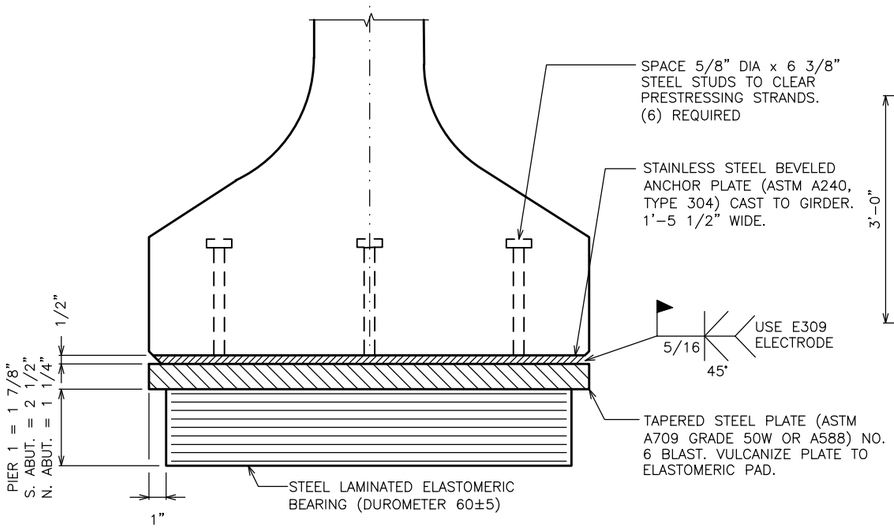
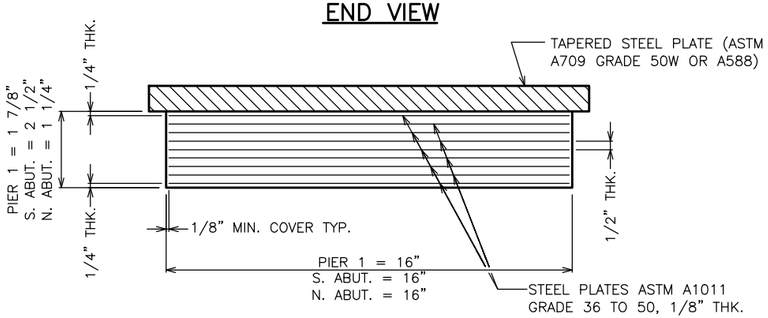
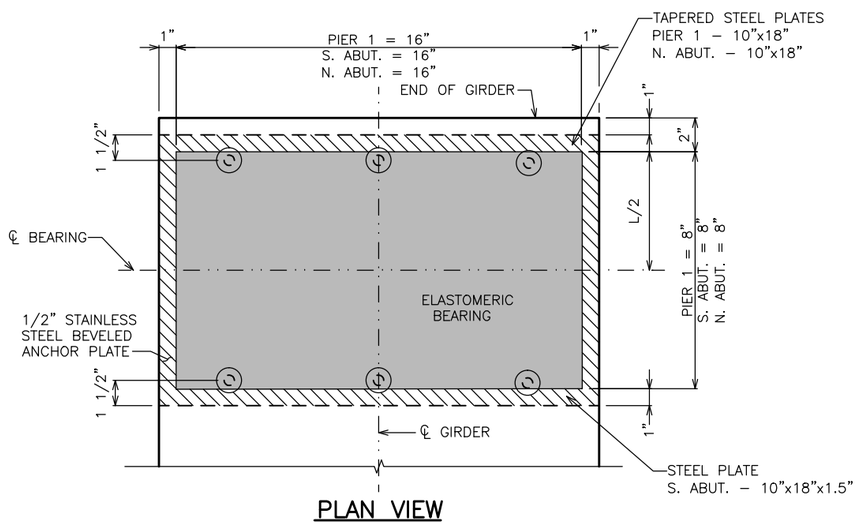


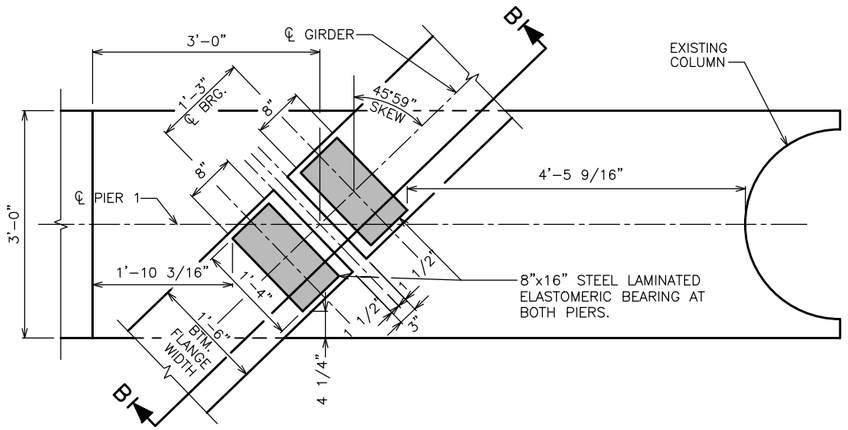
END VIEW



SECTION THRU ELASTOMERIC BEARING



PLAN VIEW



LAMINATED ELASTOMERIC EXP. BRG. AT PIER 1

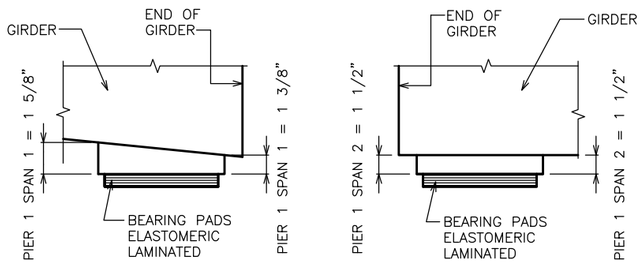
BEARING NOTES

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.



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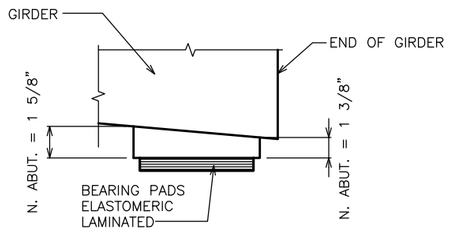
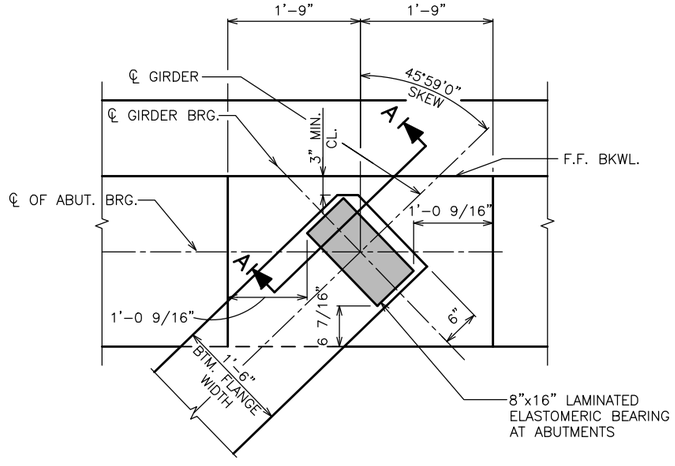


SECTION A



LAMINATED ELASTOMERIC EXP. BRG. AT ABUTMENTS

F.F. DENOTES FRONT FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-148

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LAMINATED ELASTOMERIC BEARINGS

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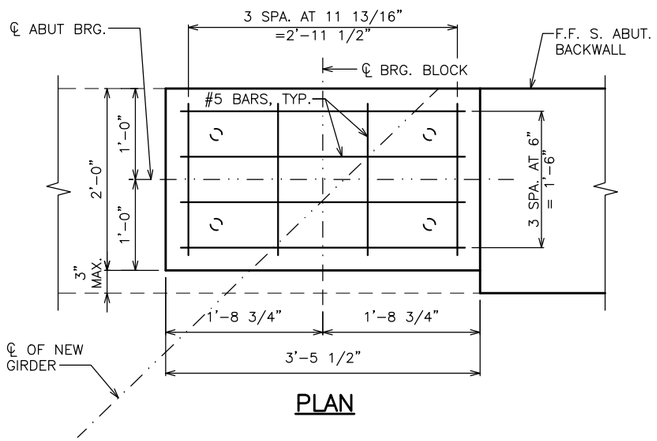
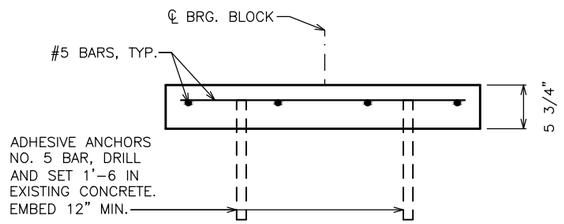
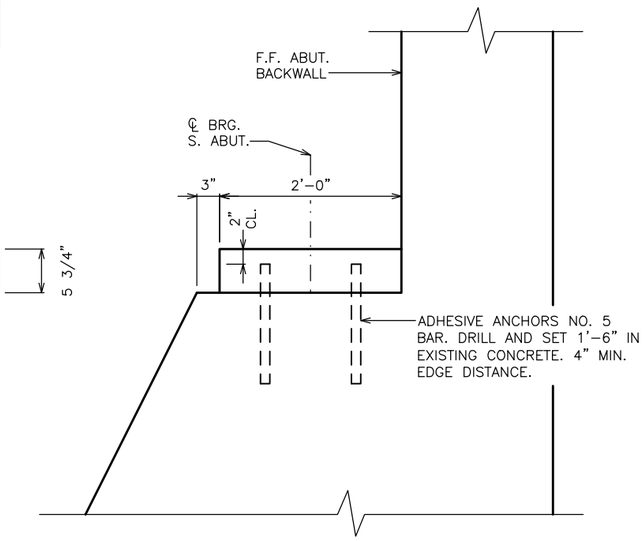


PLAN

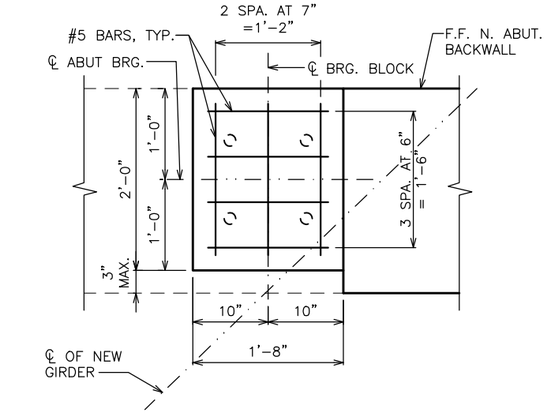


ELEVATION

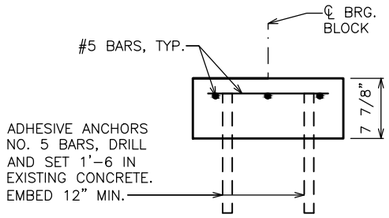


SIDE ELEVATION

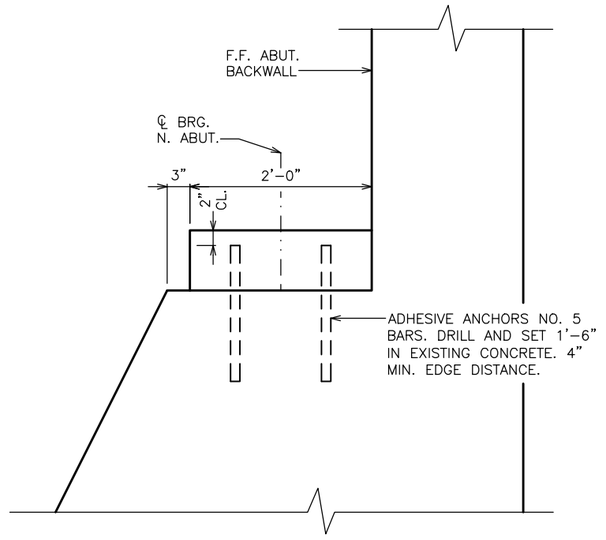
CONCRETE BEARING BLOCK DETAIL AT S. ABUT.



PLAN



ELEVATION



SIDE ELEVATION

CONCRETE BEARING BLOCK DETAIL AT N. ABUT.

NOTES

CAST-IN-PLACE CONCRETE BEARING BLOCK IS INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY BRIDGES"

F.F. DENOTES FRONT FACE

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-148

DRAWN BY KGC | PLANS CHK'D JJH

CONCETE BEARING BLOCK DETAIL

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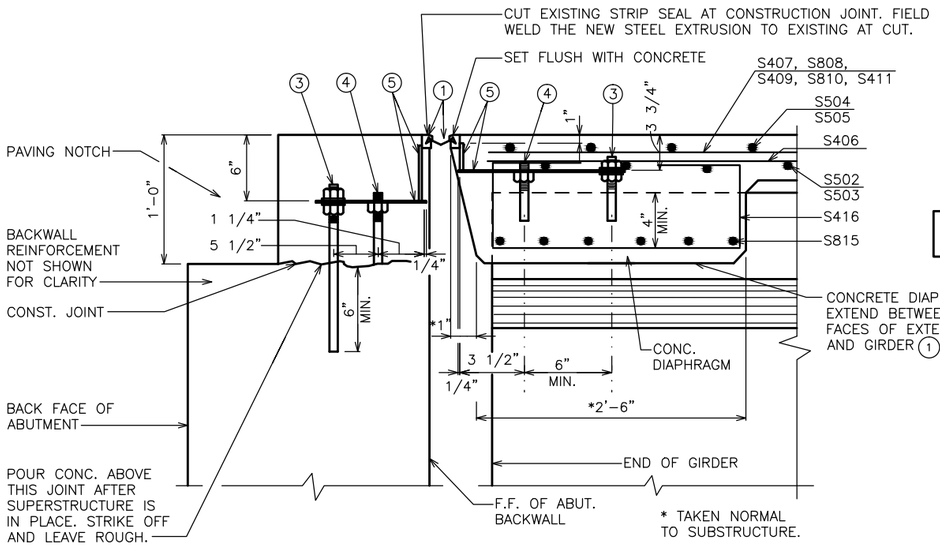
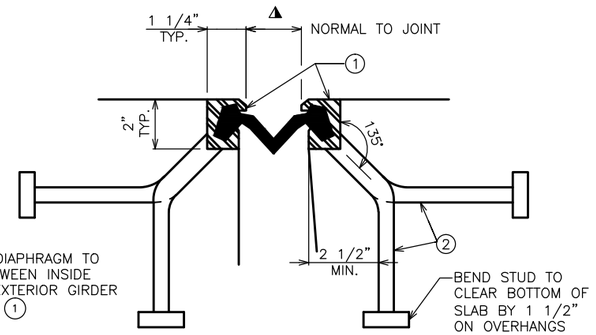


TYPICAL SECTION THRU JOINT AT PRECAST GIRDER

NORMAL TO ℄ SUBSTRUCTURE



SECTION THRU JOINT

EXTERIOR GIRDER TO EDGE OF DECK, AND AT PARAPETS, AND BETWEEN GIRDER (1) AND CONSTRUCTION JOINT

LEGEND

▲ (1) NEOPRENE STRIP SEAL (4-INCH) AND STEEL EXTRUSIONS. SET JOINT OPENING AT 1 3/4"±. MATCH EXISTING OPENING AT TIME OF PLACEMENT.

(2) STUDS 5/8" DIA x 6 3/8" LONG AT 6" ALTERNATE CENTERS. WELD EXTRUSIONS AND BEND AS SHOWN AFTER WELDING.

(2A) 1/2" THICK ANCHOR PLATE WITH 5/8" 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) 3/4" DIA THREADED ROD WITH 2 NUTS AND PLATE WASHERS. GROUT THREADED ROD INTO FIELD DRILLED HOLES ON ℄ OF GIRDER. ON ABUTMENT SIDE, GROUT THREADED ROD INTO FIELD DRILLED HOLES IN ABUTMENT BACK WALL AS SHOWN.

(4) 3/4" DIA THREADED ROD WITH NUT. TACK WELD NUT TO NO. 5.

(5) FABRICATE SUPPORT FROM 3"x1/2" BAR AS SHOWN OR EQUIVALENT. ONE PER GIRDER PER SIDE. SHOP OR FIELD WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1 1/2" DIA HOLE FOR NO. 3 AND 1" DIA HOLE FOR NO. 4.

(6) GALVANIZED PLATE 3/8"x10"x2'-2" LONG WITH HOLES FOR NO. 7.

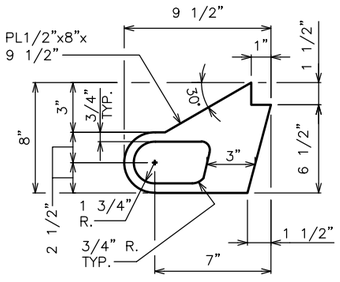
(7) 3/4" DIA x 1 1/2" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLE. RECESS 1/16" BELOW PLATE SURFACE.

(8) 3/4" DIA x 4" GALVANIZED HEX HEAD BOLT. BEND 45°.

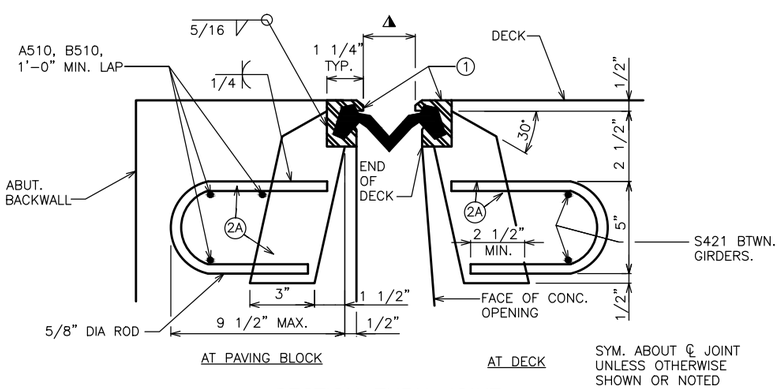
(9) 3/4" DIA x 2 1/4" GALVANIZED THREADED COUPLING.

(10) 1" x 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7. PLACE SLOT PARALLEL TO DIRECTION OF MOVEMENT.

(11) FIELD WELD TOP AND VERTICAL FACES OF EXISTING STEEL EXTRUSION TO NEW EXPANSION JOINT. GRIND OFF GALVANIZING FIELD WELD AND FIELD APPLY COLD GALVANIZE TREATMENT. SEAL JOINT BETWEEN RUBBER ELEMENTS WITH AN APPROVED JOINT SEALER. COST IS INCLUDED IN BID ITEM EXPANSION DEVICE B-13-148.

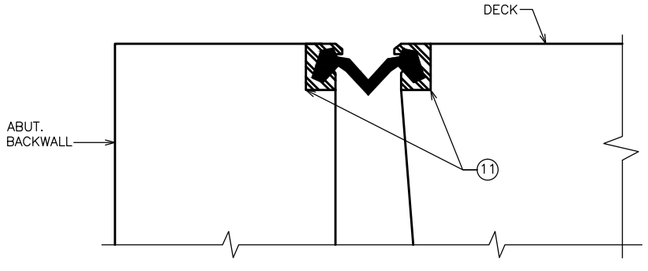


ALTERNATE STRIP SEAL ANCHOR

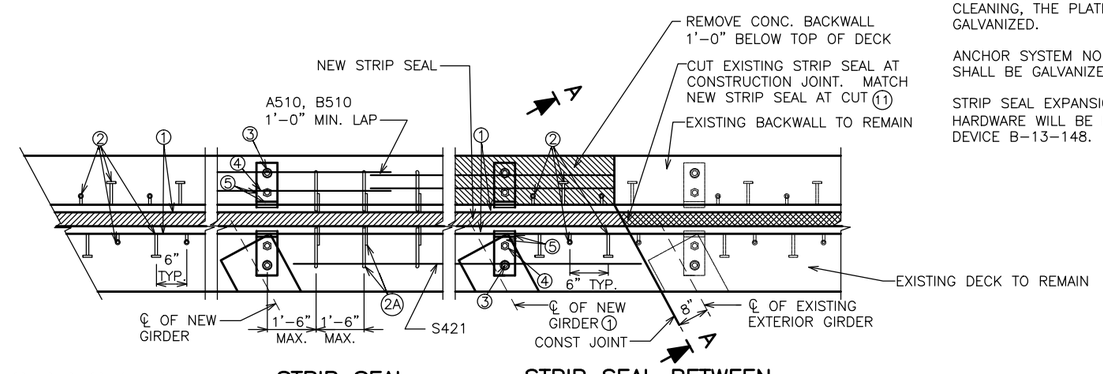


SECTION THRU JOINT

ROADWAY TRAFFIC AREA BETWEEN GIRDERS (1) AND (3)



SECTION A-A



STRIP SEAL AT NEW OVERHANG

STRIP SEAL BETWEEN NEW GIRDERS

STRIP SEAL BETWEEN NEW AND EXISITNG GIRDERS

PARTIAL PLAN

SEE SHEET 16 FOR DETAILS OF STRIP SEAL AT PARAPET

NOTES

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS, UNLESS MORE ARE REQUIRED FOR STAGED CONSTRUCTION, 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 AND SWEEP.

FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN AND SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES, SUPPORTS AND EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PLATES, SUPPORTS AND EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

ANCHOR SYSTEM NO. 8 AND NO. 9 SHALL CONFORM TO ASTM A307 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153 CLASS C AND D.

STRIP SEAL EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE WILL BE PAID FOR AT THE LUMP SUM PRICE BID FOR "EXPANSION DEVICE B-13-148.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-148

DRAWN BY KGC | PLANS CHK'D JJH

STRIP SEAL EXPANSION JOINT DETAILS AT ABUTMENTS

SHEET 15 OF 24

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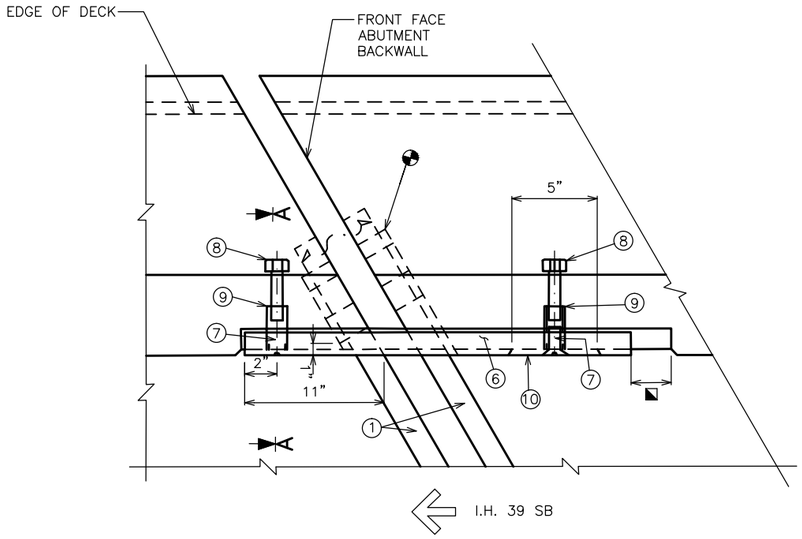
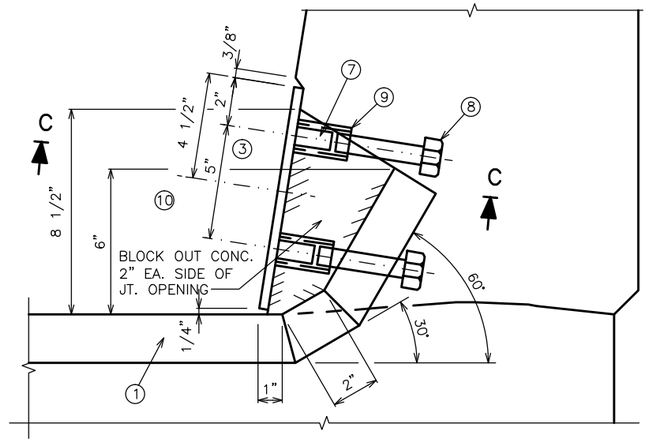


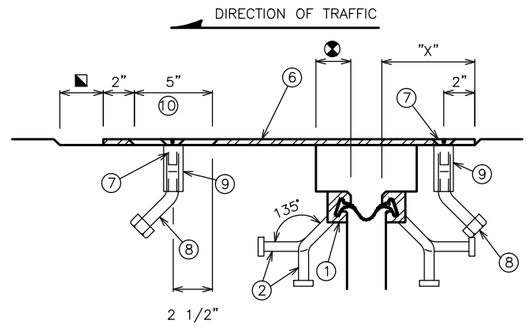
PLAN AT PARAPET
SINGLE SLOPE PARAPET

⊠ BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING

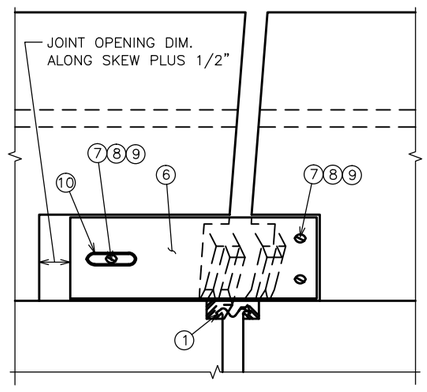
◪ JOINT OPENING DIM. ALONG SKEW PLUS 1/2"



SECTION A–A
SINGLE SLOPE PARAPET



SECTION C–C



VIEW OF PARAPET PLATES FROM ROADWAY
SINGLE SLOPE PARAPET

* SEE SHEET 15 FOR LEGEND AND NOTES

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DRAWN BY KGC | PLANS CHK'D JJH

STRIP SEAL EXPANSION JOINT DETAILS AT ABUTMENTS

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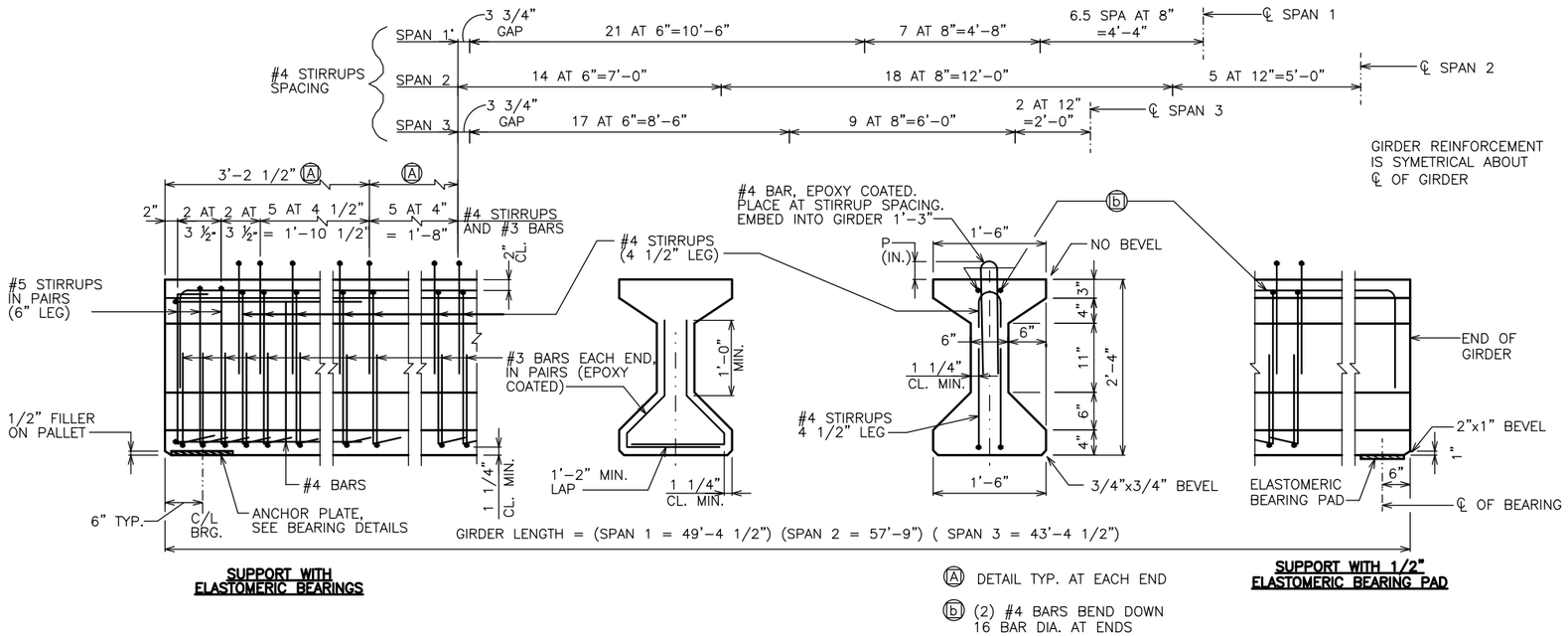
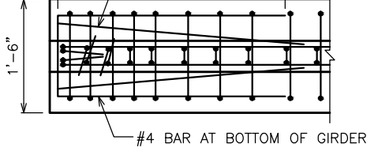
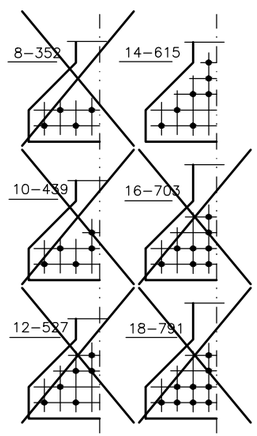


SIDE VIEW & TYPICAL SECTION IN SPAN

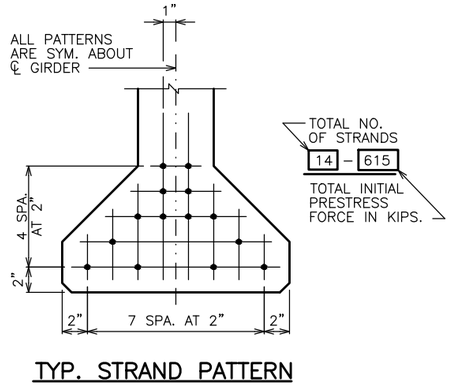


PLAN VIEW OF GIRDER ENDS

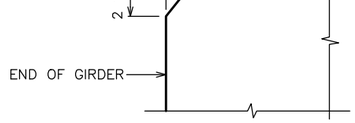


UNDRAPED PATTERN

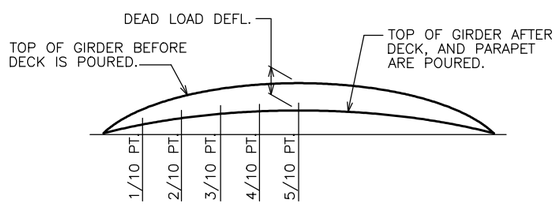
0.6" ø STRANDS



TYP. STRAND PATTERN



FORMED OUT CORNERS AT ABUTMENTS



DEAD LOAD DEFLECTION DIAGRAM

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 2" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 2" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER 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 A497 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

28" PRESTRESSED GIRDERS, CONCRETE MASONRY f'c = 6,400 PSI RELEASE

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

BEND EACH END OF #4 STIRRUPS 4 1/2" AND #5 STIRRUPS 6".

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE SHEET 18.

2 1/2" AVERAGE HAUNCH HEIGHT WAS USED FOR CONCRETE MASONRY QUANTITY COMPS. HAUNCH HEIGHT VARIES DUE TO RESIDUAL CAMBER. 1 1/4" MIN HAUNCH IS PERMITTED.

* 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 1/2"
2	1 7/8"
3	1 1/4"

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.
THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

*MINIMUM CYLINDER STRENGTH OF CONCRETE AT 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	1,2,3	49'-4 1/2"	SEE DEFLECTION TABLE ON SHEET 19									8,000	7	6	7	.6							14	6,400
2	1,2,3	57'-9"										8,000	7	6	7	.6							14	6,400
3	1,2,3	43'-4 1/2"										8,000	7	6	7	.6							14	6,400

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-148

DRAWN BY KGC | PLANS CHK'D JJH

28" PRESTRESSED GIRDER DETAILS

SHEET 17 OF 24

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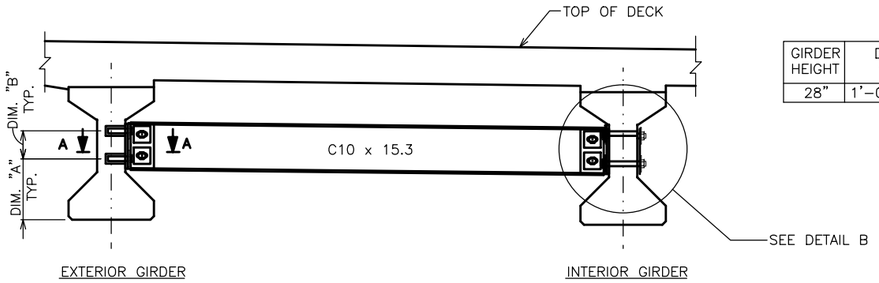
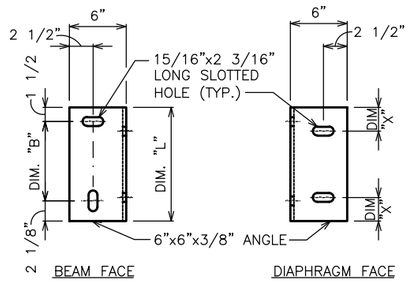


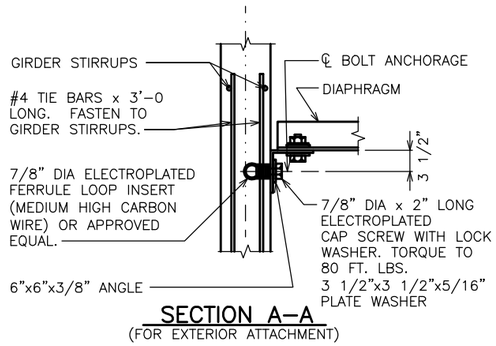
TABLE

GIRDER HEIGHT	DIM. "A"	DIM. "B"	DIM. "L"	* DIM. "X"
28"	1'-0 7/8"	5 7/8"	9 1/2"	2 1/4"

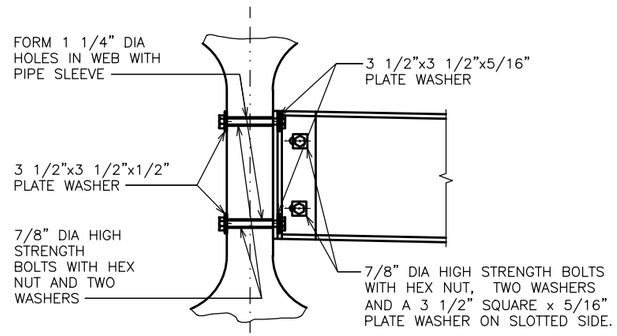
PART TRANSVERSE SECTION AT DIAPHRAGM



DIAPHRAGM SUPPORT

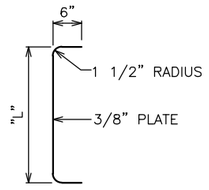


SECTION A-A
(FOR EXTERIOR ATTACHMENT)



DETAIL B

SECTION AT INTERIOR GIRDERS THRU DIAPHRAGM



SECTION THRU ALTERNATE DIAPHRAGM
*DIM "X" = 2 1/2" FOR ALTERNATE PLATE DIAPHRAGM

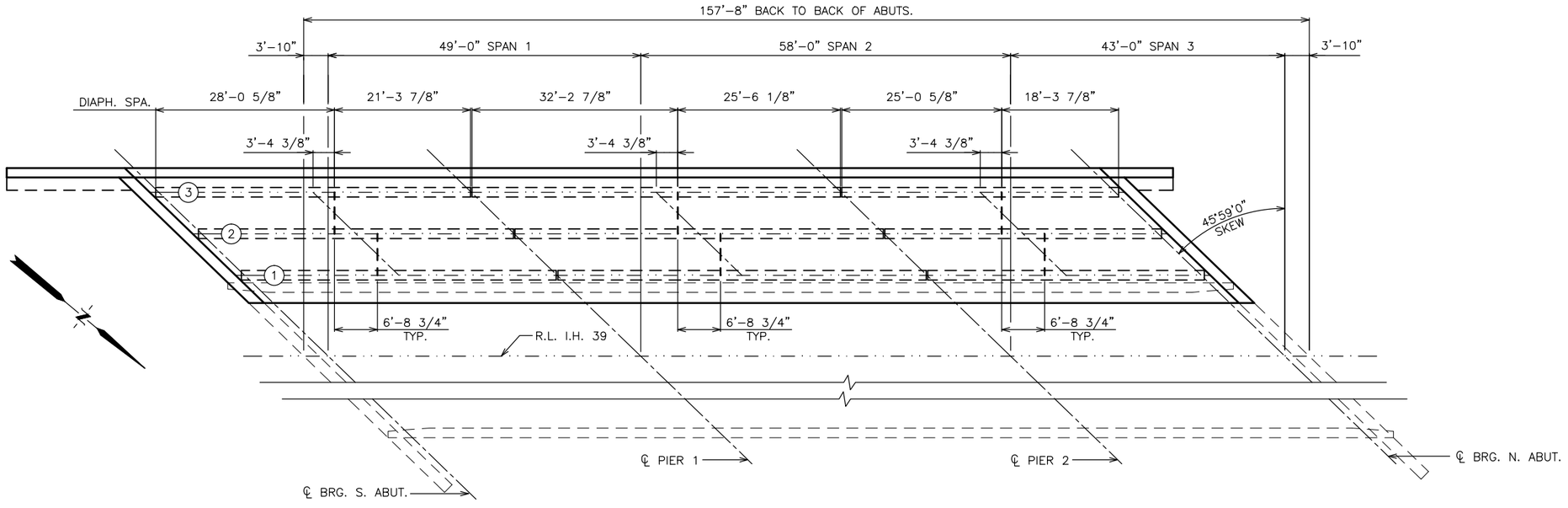
NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-148, EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36. ALL BOLTS, NUTS AND WASHERS SHALL BE ASTM A325 TYPE 1.

ALL DIAPHRAGM STRUCTURAL STEEL SHOWN SHALL BE HOT-DIPPED GALVANIZED. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C. GALVANIZED NUTS SHALL BE TAPPED OVERSIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A563 AND SHALL MEET THE REQUIREMENTS OF SUPPLEMENTARY REQUIREMENT S1 OF ASTM A563, LUBRICANT AND TEST FOR COATED NUTS.



PLAN
SHOWING DIAPH. SPACING

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-148

DRAWN BY KGC | PLANS CHK'D JJH

STEEL DIAPHRAGM DETAILS

SHEET 18 OF 24

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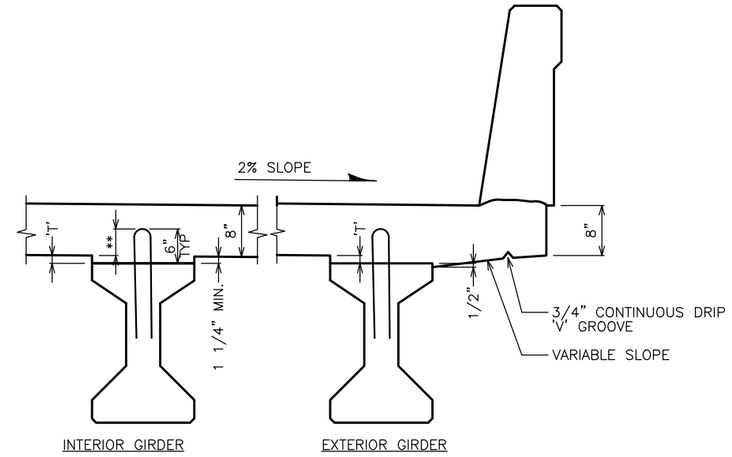
STATE PROJECT NUMBER

1007-10-88

TOP OF DECK ELEVATIONS (FEET)

SPAN	DESCRIPTION	C/L BRG. S. ABUT.	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L PIER 1
1	SURVEY PGL	958.97	958.90	958.82	958.74	958.66	958.59	958.51	958.43	958.36	958.28	958.20
1	NEW GIRDER 1	958.95	958.88	958.80	958.72	958.65	958.57	958.49	958.41	958.34	958.26	958.18
1	NEW GIRDER 2	958.93	958.85	958.78	958.70	958.62	958.54	958.47	958.39	958.31	958.24	958.16
1	NEW GIRDER 3	958.91	958.83	958.75	958.67	958.60	958.52	958.44	958.37	958.29	958.21	958.13
1	WEST EDGE OF DECK	958.89	958.82	958.74	958.66	958.58	958.51	958.43	958.35	958.28	958.20	958.12
SPAN	DESCRIPTION	C/L PIER 1	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L PIER 2
2	SURVEY PGL	958.20	958.11	958.02	957.93	957.84	957.74	957.65	957.56	957.47	957.38	957.29
2	NEW GIRDER 1	958.18	958.09	958.00	957.91	957.82	957.73	957.63	957.54	957.45	957.36	957.27
2	NEW GIRDER 2	958.16	958.07	957.98	957.88	957.79	957.70	957.61	957.52	957.43	957.34	957.25
2	NEW GIRDER 3	958.13	958.04	957.95	957.86	957.77	957.68	957.59	957.50	957.40	957.31	957.22
2	WEST EDGE OF DECK	958.12	958.03	957.94	957.85	957.76	957.66	957.57	957.48	957.39	957.30	957.21
SPAN	DESCRIPTION	C/L PIER 2	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L BRG. N. ABUT
3	SURVEY PGL	957.29	957.22	957.15	957.08	957.02	956.95	956.88	956.81	956.75	956.68	956.61
3	NEW GIRDER 1	957.27	957.20	957.13	957.07	957.00	956.93	956.86	956.80	956.73	956.66	956.59
3	NEW GIRDER 2	957.25	957.18	957.11	957.04	956.97	956.91	956.84	956.77	956.70	956.64	956.57
3	NEW GIRDER 3	957.22	957.15	957.09	957.02	956.95	956.88	956.82	956.75	956.68	956.61	956.54
3	WEST EDGE OF DECK	957.21	957.14	957.07	957.01	956.94	956.87	956.80	956.73	956.67	956.60	956.53



CONCRETE HAUNCH DETAIL

** NOTIFY THE STRUCTURES SECTION IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T': AFTER ALL PRESTRESSED GIRDERS HAVE BEEN ERECTED, ELEVATIONS OF TOP OF GIRDER SHALL BE TAKEN AT CENTERLINE OF BEARINGS AND AT TENTH POINTS OF EACH SPAN.

TOP OF DECK ELEVATION AT FINAL GRADE
−TOP OF GIRDER ELEVATION AFTER PLACEMENT
+CONCRETE ONLY DEFLECTION: DOWNWARD DEFLECTION IS ADDED. UPWARD DEFLECTION IS SUBTRACTED
−SLAB THICKNESS (8")
=HAUNCH THICKNESS 'T'

TABLE OF THEORETICAL CONCRETE ONLY DEAD LOAD DEFLECTIONS (INCHES)

SPAN	DESCRIPTION	C/L BRG. S. ABUT.	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L PIER 1
1	NEW GIRDER 1	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.3	0.2	0.1	0.0
1	NEW GIRDER 2	0.0	0.1	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.1	0.0
1	NEW GIRDER 3	0.0	0.2	0.3	0.4	0.5	0.6	0.5	0.4	0.3	0.2	0.0
SPAN	DESCRIPTION	C/L PIER 1	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L PIER 2
2	NEW GIRDER 1	0.0	0.2	0.5	0.6	0.8	0.8	0.8	0.6	0.5	0.2	0.0
2	NEW GIRDER 2	0.0	0.3	0.5	0.7	0.9	0.9	0.9	0.7	0.5	0.3	0.0
2	NEW GIRDER 3	0.0	0.3	0.6	0.8	1.0	1.0	1.0	0.8	0.6	0.3	0.0
SPAN	DESCRIPTION	C/L PIER 2	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L BRG. N. ABUT.
3	NEW GIRDER 1	0.0	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.0
3	NEW GIRDER 2	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.0
3	NEW GIRDER 3	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.0

NOTE: DEFLECTIONS ARE THEORETICAL AND MAY VARY IN THE FIELD.
THEORETICAL CONCRETE ONLY DEAD LOAD DEFLECTION = DECK AND HAUNCH DL DEF. + DIAPHRAGM DL DEF. + COMPOSITE DL DEF.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

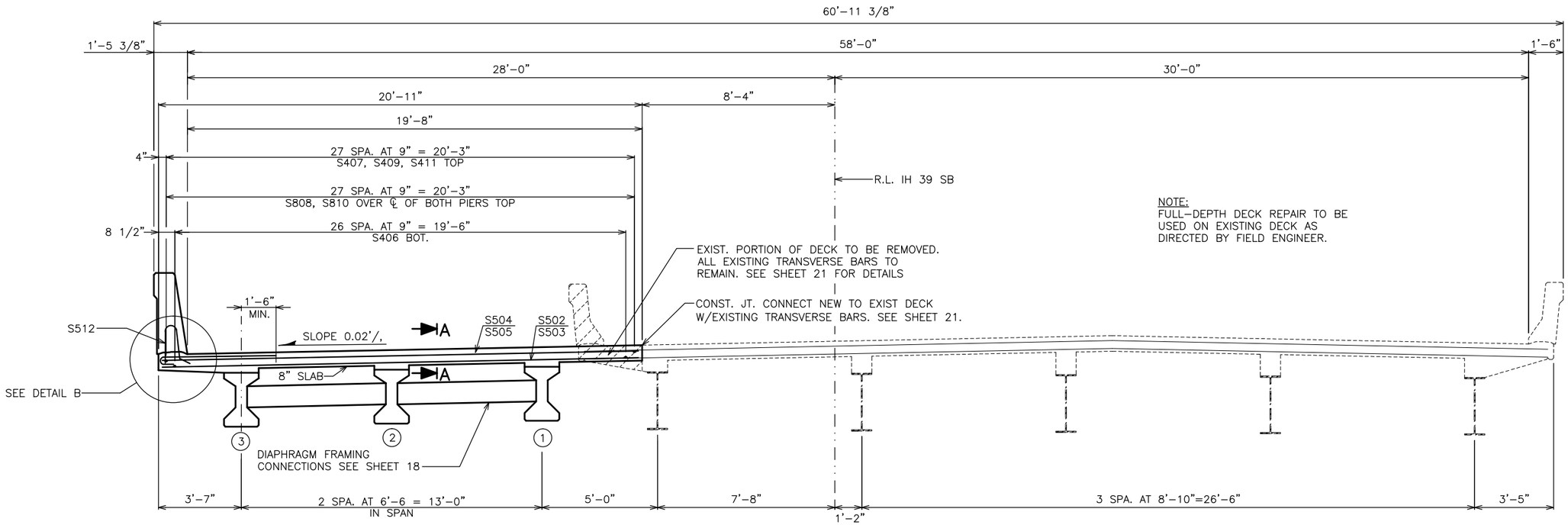
STRUCTURE B-13-148

DRAWN BY KGC | PLANS CHK'D JJH

DECK ELEVATIONS AND TABLE OF DEFLECTIONS

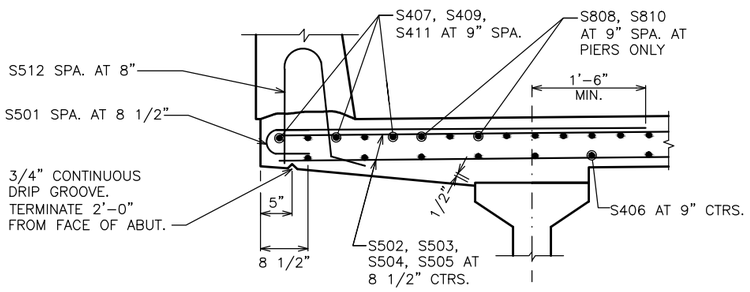
SHEET 19 OF 24

STATE PROJECT NUMBER
1007–10–88

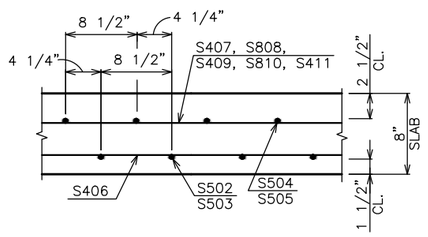


TYPICAL CROSS SECTION THRU DECK

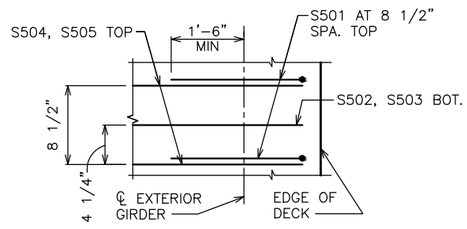
(LOOKING NORTH)



DETAIL B



SECTION A



PLAN VIEW OF ADDITIONAL OVERHANG REINFORCEMENT DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–148

DRAWN BY KGC | PLANS CHK'D JJH

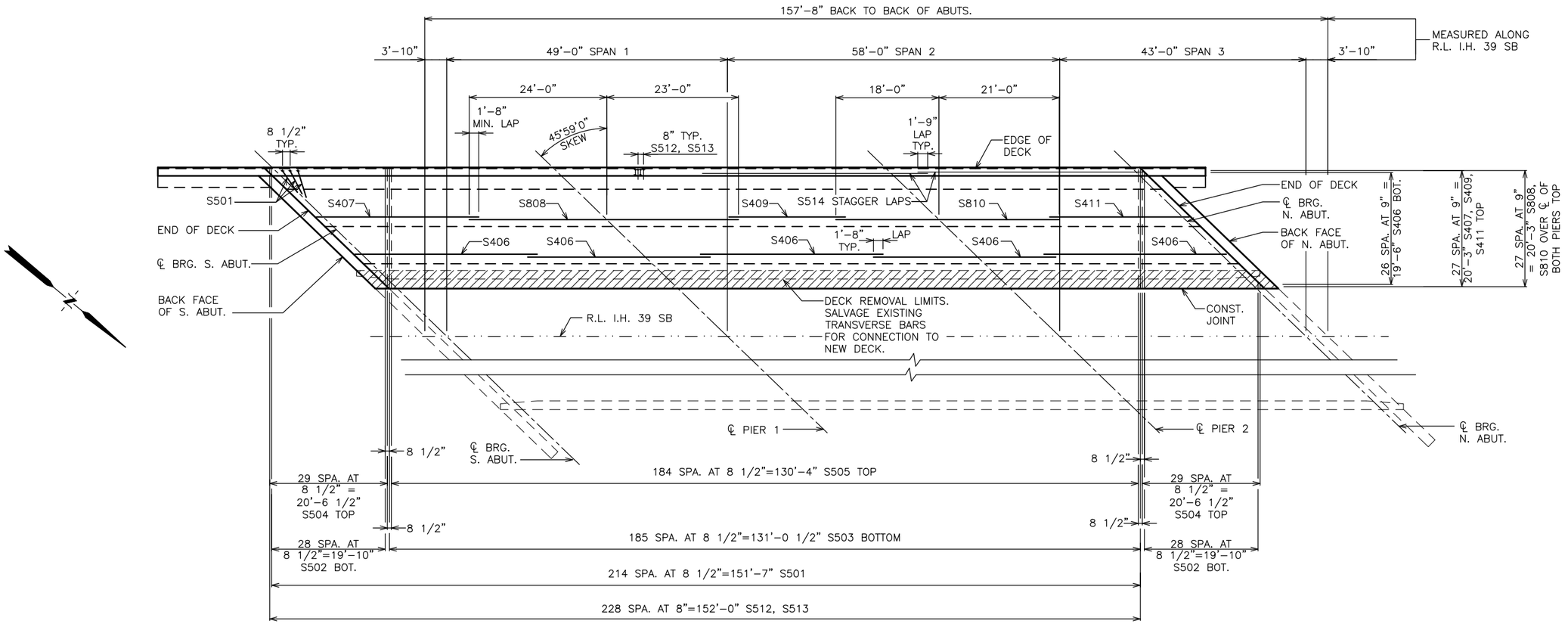
SUPERSTRUCTURE

SHEET 20 OF 24

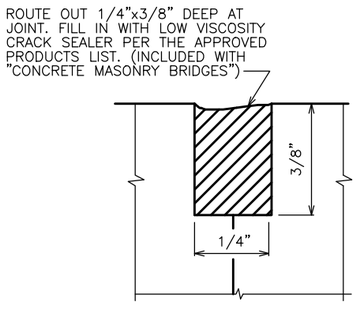
8

8

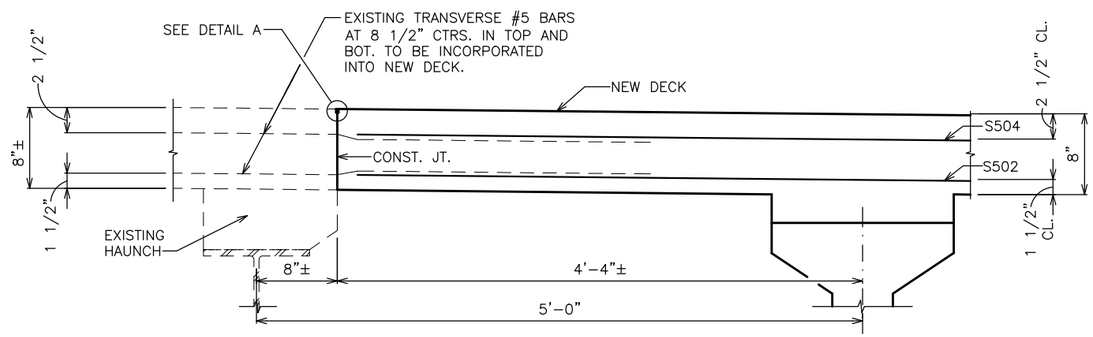
STATE PROJECT NUMBER
1007-10-88



PLAN



DETAIL A



LONGITUDINAL CONSTRUCTION JOINT DETAIL

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-148

DRAWN BY KGC | PLANS CHK'D JJH

SUPERSTRUCTURE PLAN

SHEET 21 OF 24

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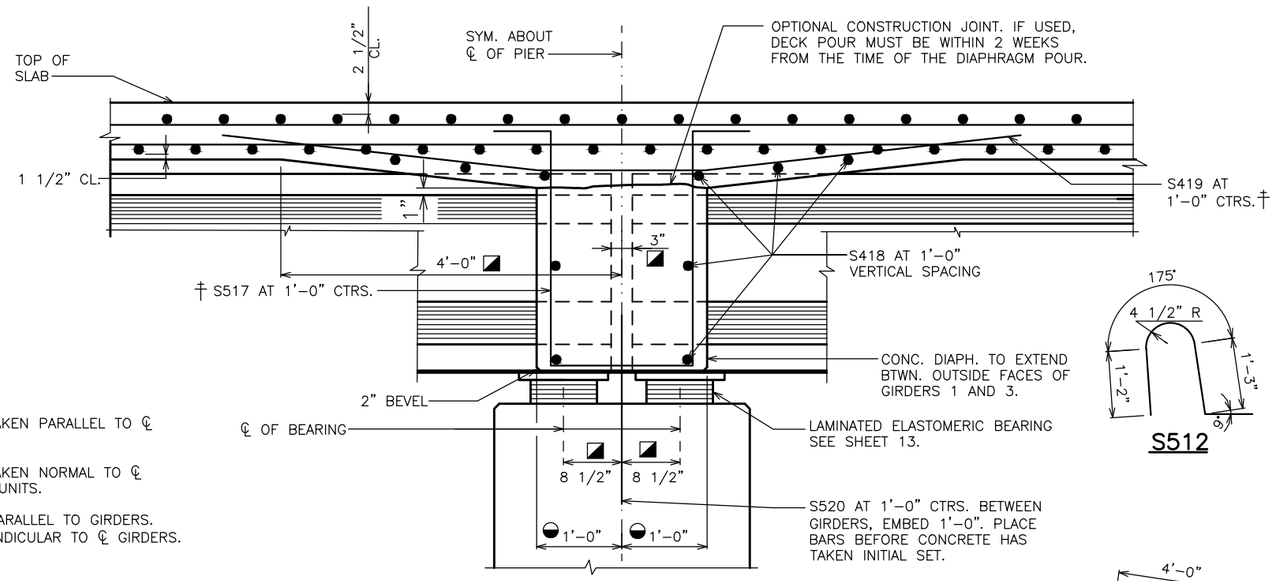
STATE PROJECT NUMBER
1007–10–88

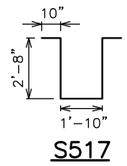


LEGEND

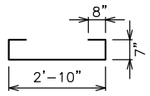
- ◪ DIMENSION IS TAKEN PARALLEL TO ℄ GIRDER.
- ◒ DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.
- † BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO ℄ GIRDERS.

DIAPHRAGM AT LAMINATED ELASTOMERIC BEARINGS AT PIER 1

SEE SHEET 12 FOR DIAPHRAGM AT PIER 2

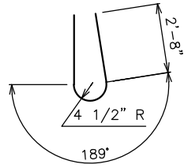


S517



S416

S512



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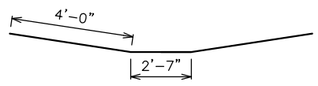
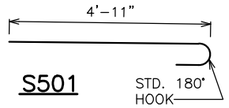


S419



S501

BILL OF BARS

COATED: 26,500 LBS

BAR MARK	COATED BAR	NO. REQ'D	LENGTH	BENT BAR	BAR SERIES	LOCATION
S501	X	215	5–5	X		SLAB TRANS. – OVERHANG
S502	X	58	10–4		*	SLAB TRANS. BOT.
S503	X	186	20–7			SLAB TRANS. BOT.
S504	X	60	10–4		*	SLAB TRANS. TOP.
S505	X	185	20–7			SLAB TRANS. TOP.
S406	X	135	31–10			SLAB LONG. BOT.
S407	X	28	28–5			SLAB LONG. TOP SPAN 1
S808	X	28	47–0			SLAB LONG. TOP AT PIER 1
S409	X	28	20–4			SLAB LONG. TOP AT SPAN 2
S810	X	28	39–0			SLAB LONG. TOP AT PIER 2
S411	X	28	24–5			SLAB LONG. TOP AT SPAN 3
S512	X	229	4–5	X		SLAB AT PARAPET VERT.
S513	X	229	6–8	X		PARAPET VERT.
S514	X	32	39–4			PARAPET HORIZ.
S815	X	24	6–10			DIAPH. AT SOUTH AND NORTH ABUT.
S416	X	24	5–7	X		DIAPH. AT S. AND N. ABUT.–STIRRUPS
S517	X	20	9–6	X		DIAPH. AT PIER 1 AND 2
S418	X	40	6–10			DIAPH. AT PIER 1 AND 2 – HORIZ.
S419	X	20	10–7	X		DIAPH. AT PIER 1 AND 2 – VERT.
S520	X	8	2–0			DIAPH. AT PIER 2 – VERT.
S421	X	8	6–10			EXP. JOINT AT S. AND N. ABUT.–HORIZ.

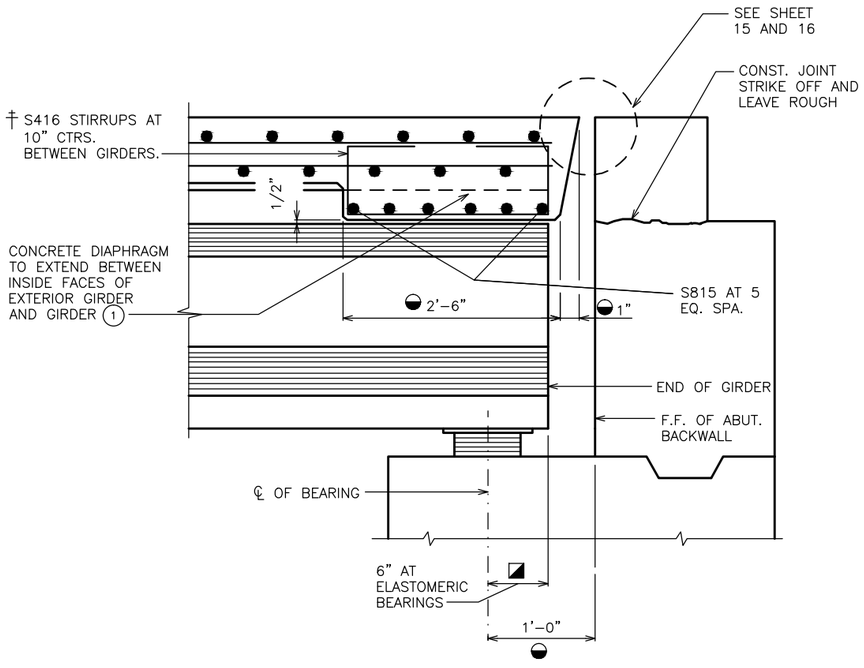
BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

* LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

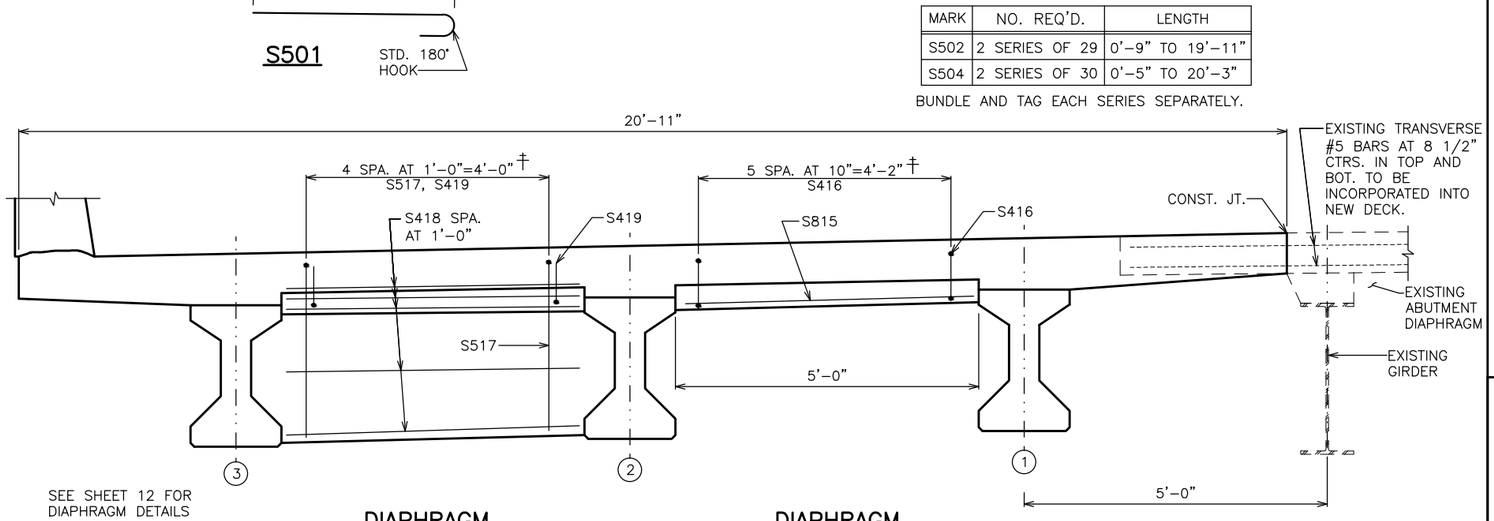
MARK	NO. REQ'D.	LENGTH
S502	2 SERIES OF 29	0'–9" TO 19'–11"
S504	2 SERIES OF 30	0'–5" TO 20'–3"

BUNDLE AND TAG EACH SERIES SEPARATELY.



EXPANSION END DIAPHRAGM AT ABUTS.

ELASTOMERIC BEARINGS AT BOTH ABUTMENTS



SEE SHEET 12 FOR DIAPHRAGM DETAILS AT PIER 2

DIAPHRAGM AT PIER 1

DIAPHRAGM AT ABUTMENTS

PARTIAL SECTION THRU ROADWAY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–148

DRAWN BY KGC | PLANS CHK'D JJH

SUPERSTRUCTURE DETAILS AND BILL OF BARS

SHEET 22 OF 24

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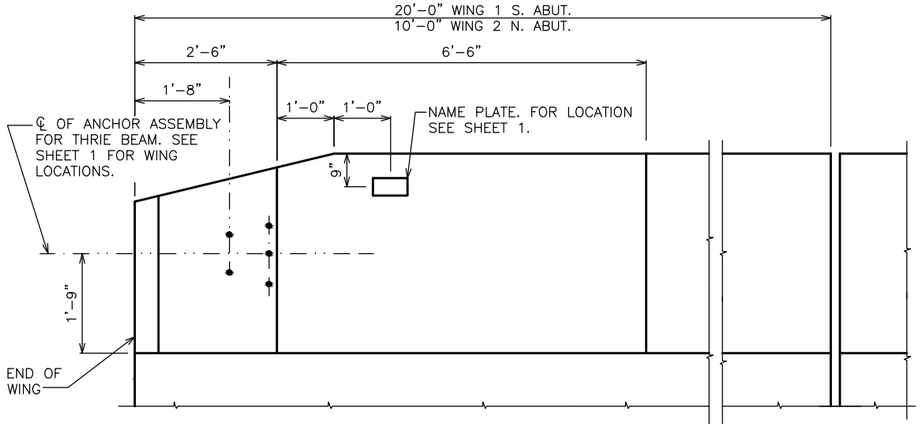
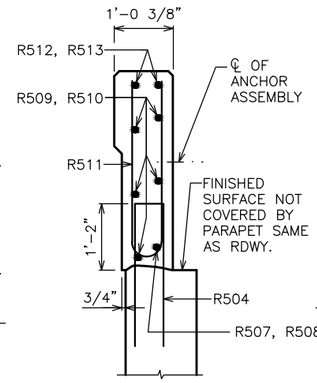
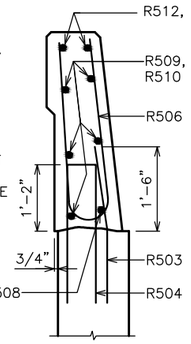


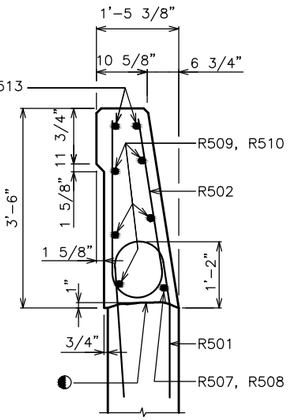
INSIDE ELEVATION



SECTION A



SECTION B



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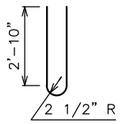
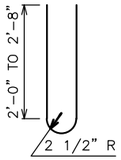


R505



R511

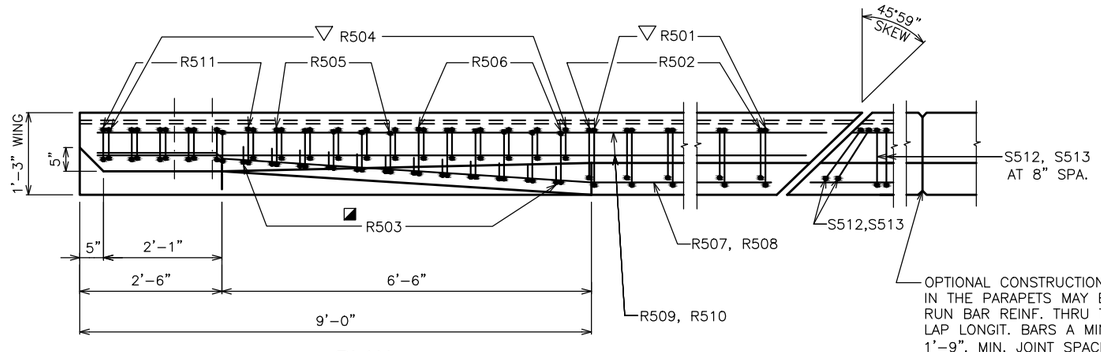
WEIGHTS INCLUDED IN ABUTMENT WEIGHT SHOWN ON SHEET 3, 6, AND 9.

BILL OF BARS

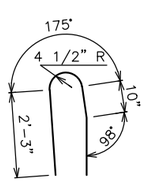
FOR ABUTMENT PARAPETS

S. ABUT. COATED: 420 LBS
N. ABUT. COATED: 370 LBS

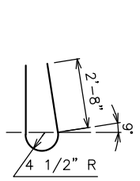
BAR MARK	COAT	S. ABUT.	N. ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	16	3	5-10	X		PARAPET-VERT.
R502	X	16	3	6-8	X		PARAPET-VERT.
R503	X	11	11	3-0	X		PARAPET-VERT.
R504	X	17	17	5-7	X		PARAPET-VERT.
R505	X	5	5	6-5	X		PARAPET-VERT.
R506	X	6	6	6-6	X		PARAPET-VERT.
R507	X	1	--	19-7	X		PARAPET-HORIZ.
R508	X	--	1	9-7	X		PARAPET-HORIZ.
R509	X	5	--	19-8			PARAPET-HORIZ.
R510	X	--	5	9-8			PARAPET-HORIZ.
R511	X	6	6	5-5	X	⚠	PARAPET-VERT.
R512	X	2	--	19-7	X		PARAPET-HORIZ.
R513	X	--	2	9-7	X		PARAPET-HORIZ.



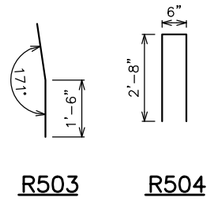
PLAN



R501

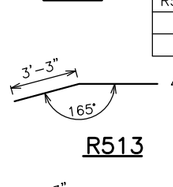


R502



R503

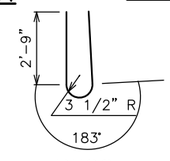
R504



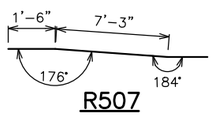
R513

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

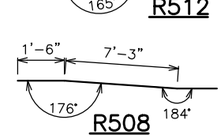
BENDING DIMENSIONS ARE OUT TO OUT OF BARS.



R506



R507



R512

R508

BAR SERIES TABLE

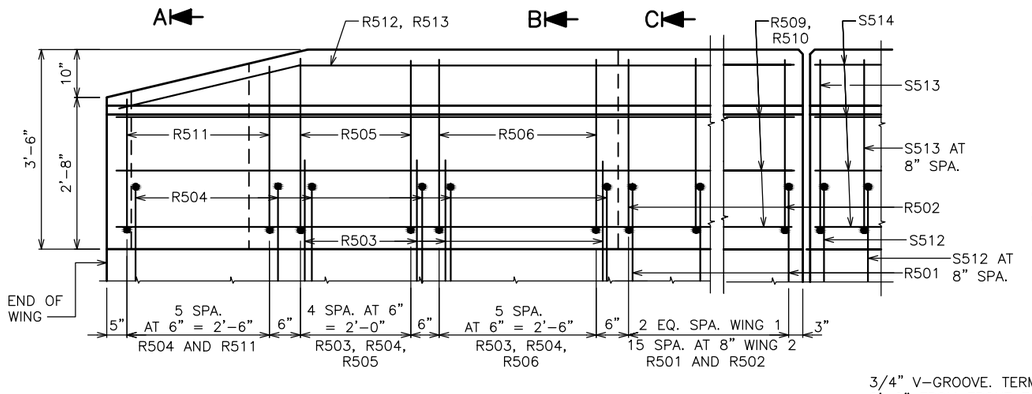
MARK	NO. REQ'D	LENGTH
R511	2 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.

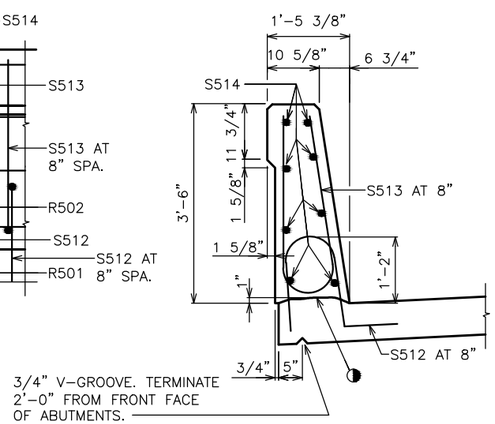
◐ CONST. JOINT - STRIKE OFF AS SHOWN.

◪ R503 BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. USE CARE TO PLACE R503 OR S503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

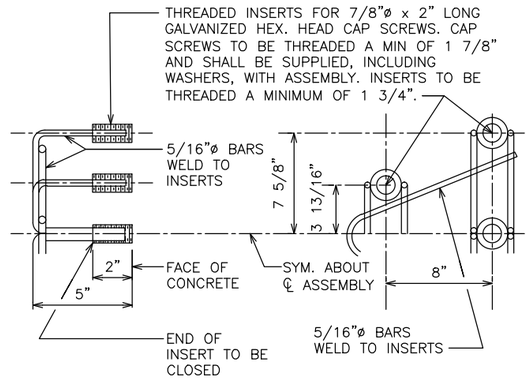
▽ R501 AND R504 BARS TO BE TIED TO WING STEEL BEFORE WING IS POURED.



OUTSIDE ELEVATION



SECTION THRU PARAPET ON BRIDGE



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX. HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-148

DRAWN BY KGC | PLANS CHK'D JJH

SINGLE SLOPE PARAPET 42SS

SHEET 23 OF 24

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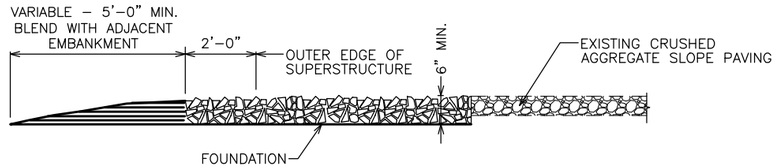
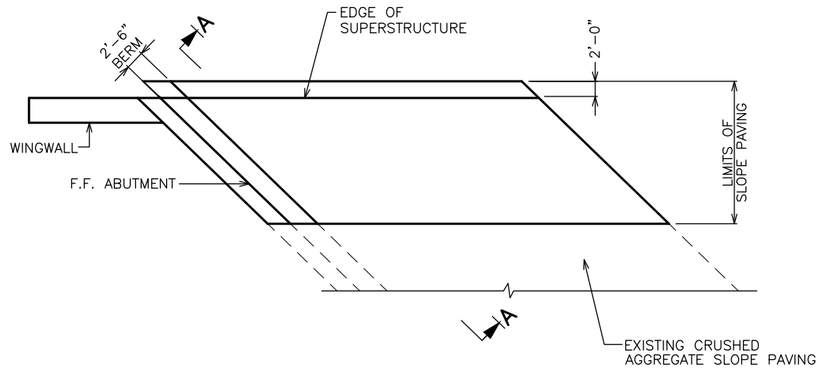
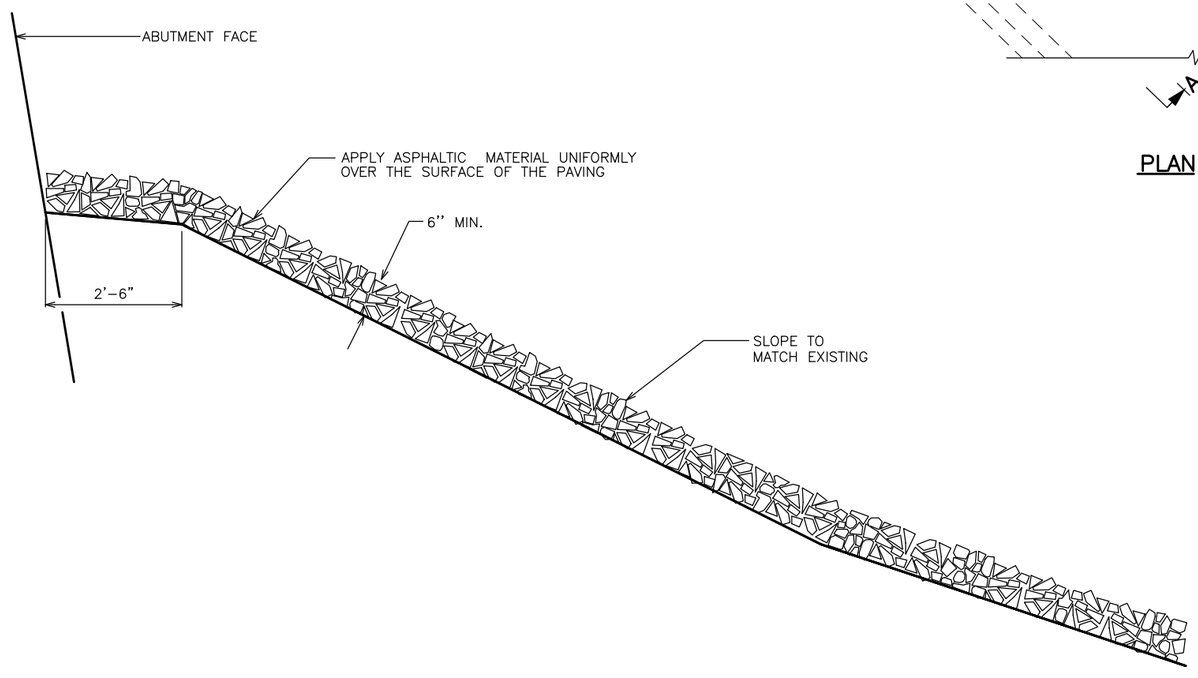
STATE PROJECT NUMBER
1007–10–88



SECTION A–A



PLAN



STANDARD CROSS SECTION THRU CRUSHED AGGREGATE

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.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–148

DRAWN BY KGC | PLANS CHK'D JJH

SLOPE PAVING
CRUSHED AGGREGATE

SHEET 24 OF 24

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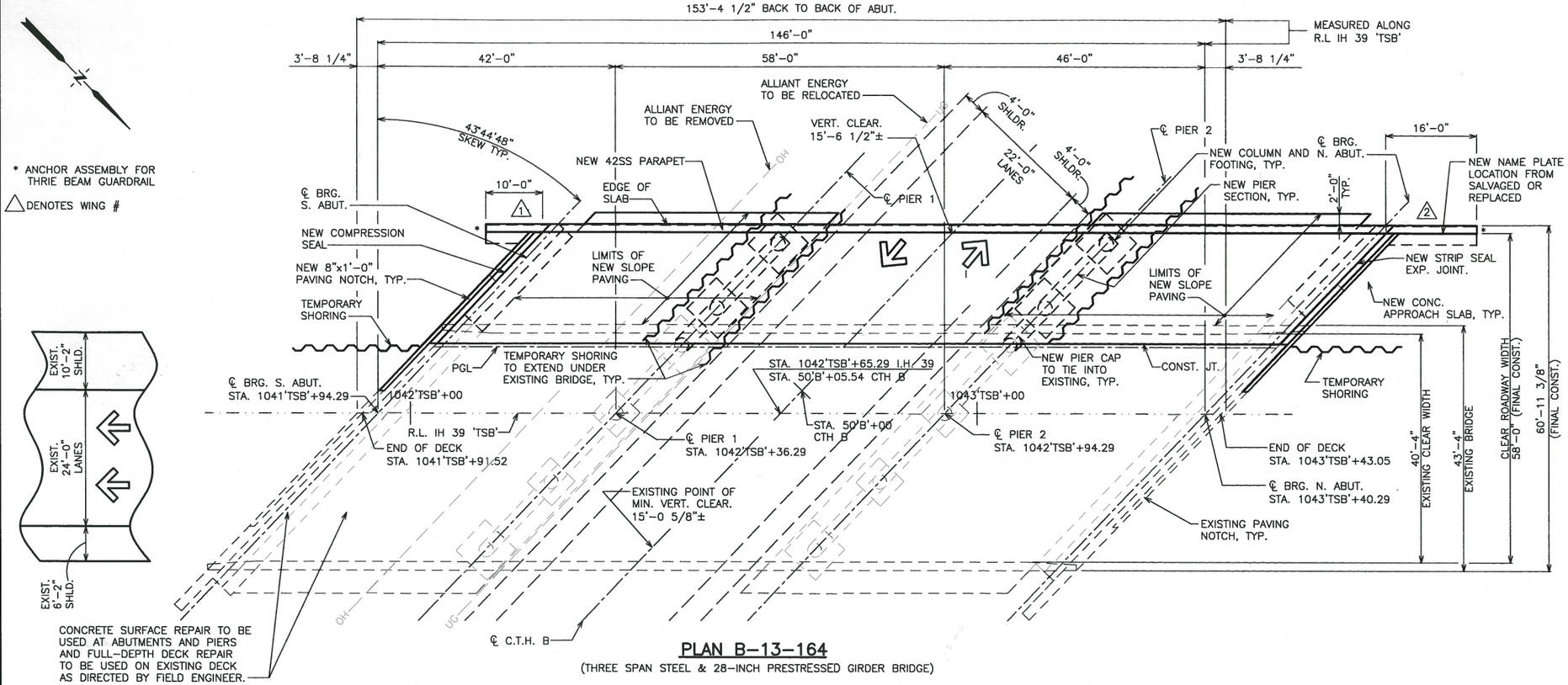
STATE PROJECT NUMBER
1007-10-88



* ANCHOR ASSEMBLY FOR THRIE BEAM GUARDRAIL

△ DENOTES WING #

PLAN B-13-164

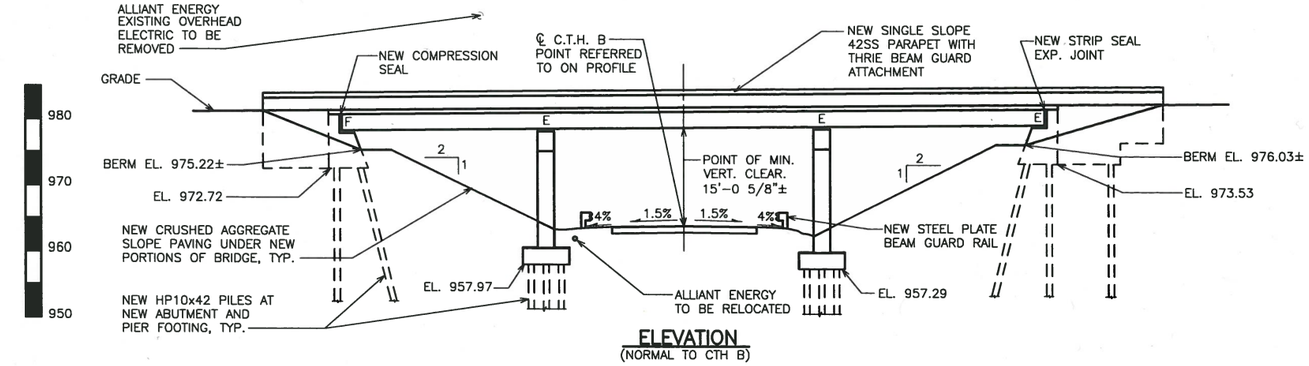
(THREE SPAN STEEL & 28-INCH PRESTRESSED GIRDER BRIDGE)

LIST OF DRAWINGS

1. GENERAL PLAN
2. TYPICAL SECTIONS
3. ESTIMATED QUANTITIES AND NOTES
4. SUBSURFACE EXPLORATION
5. SOUTH ABUTMENT
6. SOUTH ABUTMENT WING 1 DETAILS
7. SOUTH ABUTMENT DETAILS
8. NORTH ABUTMENT
9. NORTH ABUTMENT WING 2 DETAILS
10. NORTH ABUTMENT DETAILS
11. PIER 1
12. PIER 2
13. FIXED STEEL BEARING DETAILS
14. PRESTRESSED GIRDER STEEL BEARINGS
15. COMPRESSION SEAL JOINT DETAILS AT SOUTH ABUTMENT
16. STRIP SEAL EXPANSION JOINT DETAILS AT NORTH ABUTMENT
17. STRIP SEAL EXPANSION JOINT DETAILS AT NORTH ABUTMENT
18. 28" PRESTRESSED GIRDER DETAILS
19. STEEL DIAPHRAGM DETAILS
20. DECK ELEVATIONS
21. SUPERSTRUCTURE
22. SUPERSTRUCTURE PLAN
23. SUPERSTRUCTURE DETAILS AND BILL OF BARS
24. SINGLE SLOPE PARAPET 42SS
25. SLOPE PAVING CRUSHED AGGREGATE

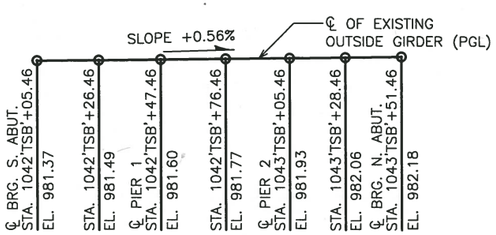
TRAFFIC DATA:

AVERAGE DAILY TRAFFIC (ADT)
IH39 SB-------- 56,650 (2020)
58,030 (2022)
R.D.S.---------- 70 MPH
C.T.H. B--------- 555 (2019)
735 (2039)
R.D.S.---------- 60 MPH



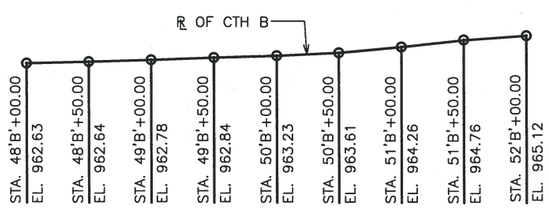
ELEVATION

(NORMAL TO CTH B)



PROFILE GRADE I.H. 39

(BASED ON SURVEY)



PROFILE GRADE CTH B

(BASED ON SURVEY)

FOR TYPICAL SECTION AND DESIGN DATA SEE SHEET 2

BENCH MARKS

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
BM1	STA.1999'NB'+90.58	108.81' RT	SET CAPPED REBAR MONUMENT APPROX. 1000' N. OF CTH B	892.33

BRIDGE OFFICE CONTACT:
WILLIAM DREHER
608.266.8489

CONSULTANT CONTACT:
CHRIS MCMAHON
715.834.3161

NO.	DATE	REVISION	BY

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. Drehe SDR 02/14/17
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-164

I.H.39 SB OVER CTH B

COUNTY	TOWN ~~CITY/VILLAGE~~
DANE	CHRISTIANA

DESIGN SPEC. REHABILITATION N/A

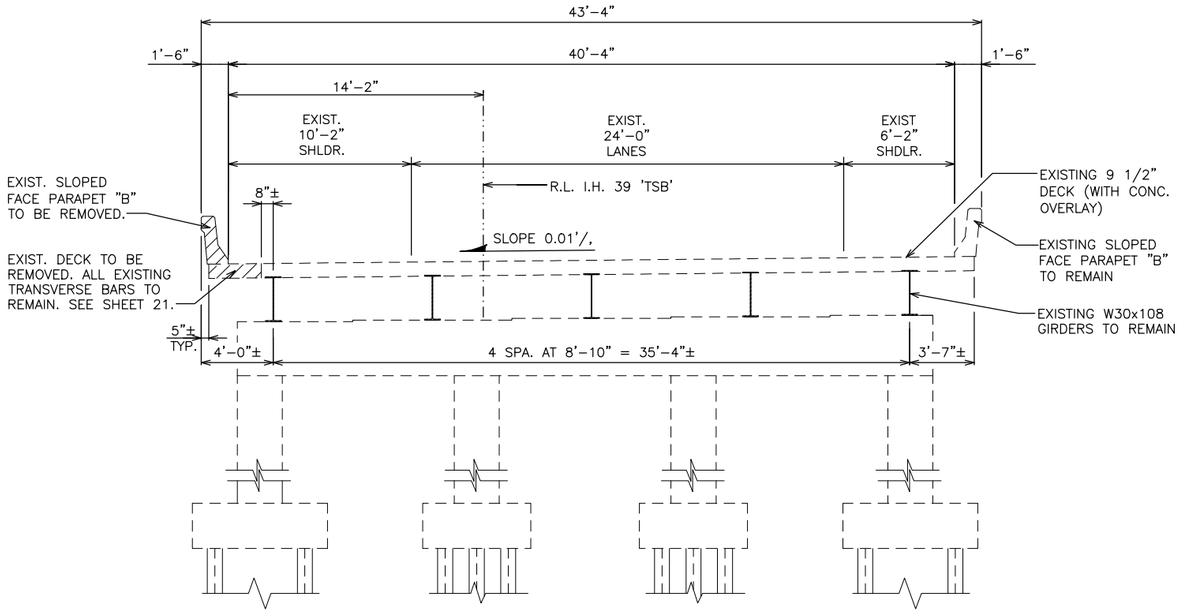
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
AEB	JWZ	KGC/JWZ	CBM

GENERAL PLAN

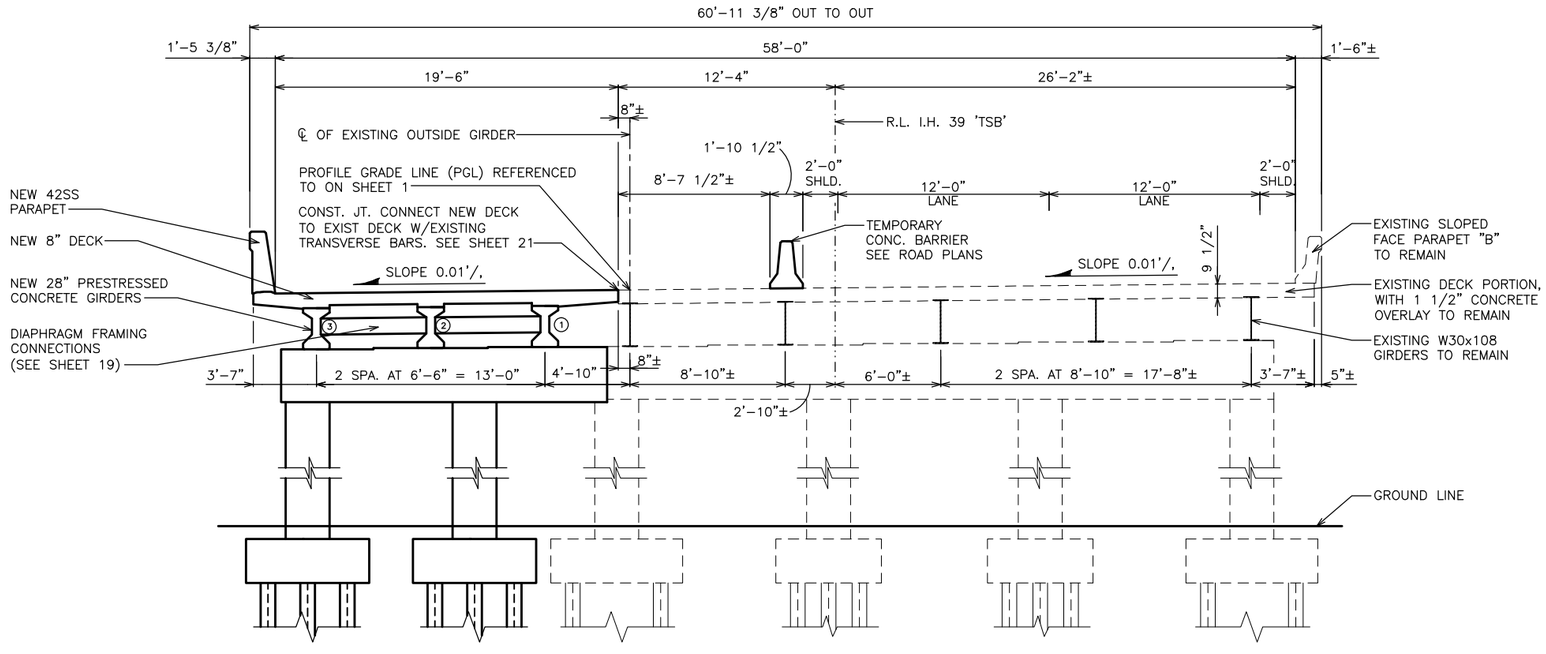
SHEET 1 OF 25

8

8



CROSS SECTION THRU EXISTING BRIDGE
(LOOKING NORTH)



CROSS SECTION THRU EXISTING BRIDGE
(LOOKING NORTH)

STATE PROJECT NUMBER
1007-10-88

DESIGN DATA

LRFD DESIGN FOR NEW GIRDERS AND SUBSTRUCTURES.

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.14
OPERATING RATING FACTOR: RF=1.64
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 230 KIPS

- INVENTORY AND OPERATIONAL RATINGS DO NOT INCLUDE A FUTURE WEARING SURFACE.
- STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 PSF

MATERIAL PROPERTIES:
CONCRETE MASONRY -SLAB----------f'c = 4,000 PSI
-ALL OTHERS-----f'c = 3,500 PSI
HIGH STRENGTH BAR STEEL REINF.
AASHTO GRADE 60----------Fy = 60,000 PSI
28" PRESTRESSED GIRDERS,
CONCRETE MASONRY----------f'c = 8,000 PSI FINAL
STRANDS-0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 PSI
STRUCTURAL STEEL
ASTM A709 GRADE 36----------Fy = 36,000 PSI (DIAPHRAGMS)

EXISTING GIRDERS AND SUBSTRUCTURES

DESIGN LOADING = HS-20
INVENTORY RATING = HS-20
OPERATIONAL RATING= HS-30
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 180 KIPS

MATERIAL PROPERTIES:
CONCRETE MASONRY SUPERSTRUCTURE-----f'c = 3,500 P.S.I.
BAR STEEL REINF., GRADE 40----------Fy = 40,000 P.S.I.
STEEL GIRDERS, CARBON STEEL----------Fy = 33,000 P.S.I.

FOUNDATION DATA

ABUTMENT WIDENINGS SHALL BE SUPPORTED ON HP 10x42 STEEL PILES WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS* PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH OF 55 FEET FOR THE NORTH ABUTMENT AND SOUTH ABUTMENT.

PIERS SHALL BE SUPPORTED ON HP 10x42 STEEL PILES WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS* PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH OF 40 FEET.

*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.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY KGC/JWZ | PLANS CHK'D CBM

TYPICAL SECTIONS

SHEET 2 OF 25

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STATE PROJECT NUMBER
1007–10–88

GENERAL NOTES

DRAWINGS ARE NOT TO BE SCALED.

DIMENSIONS AND ELEVATIONS ARE BASED ON EXISTING ORIGINAL STRUCTURE PLANS, CONCRETE OVERLAY PLANS, AND FIELD SURVEY.

BAR STEEL REINFORCING SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED 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.

SALVAGE EXISTING NAME PLATE IF POSSIBLE, OTHERWISE THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR OF 1961.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAW CUT UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES SHALL BE THE EXISTING GROUNDLINE.

SEE ROADWAY PLANS FOR LANE STAGING AND TRAFFIC.

THE SLOPE OF THE FILL IN FRONT OF THE NEW PORTIONS OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING (CRUSHED AGGREGATE) TO THE EXTENT SHOWN ON THE GENERAL PLAN, ABUTMENT DETAILS AND ALL DETAILS SHOWN IN PLAN.

THE MINIMUM CONCRETE HAUNCH SHALL BE 2" FOR DESIGN CALCULATIONS. THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON SHEET 18.

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 BACKFILL STRUCTURE TYPE A.

APPLY PROTECTIVE SURFACE TREATMENT TO TOP OF NEW BRIDGE DECK AND PIGMENTED SURFACE SEALER TO TOP AND INSIDE FACES OF NEW PARAPET.

THE EXISTING BRIDGE B–13–164 IS A 3–SPAN CONTINUOUS STEEL GIRDER BRIDGE WITH AN OVERALL LENGTH OF 153'–4 1/2" AND A CLEAR ROADWAY WIDTH OF 40'–4".

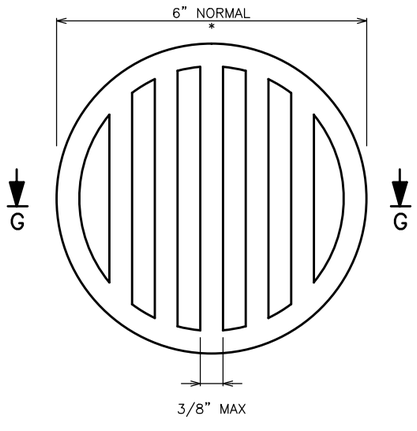
JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M153, TYPE I, II, OR III OR A.A.S.H.T.O. DESIGNATION M213.

BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS NOTED OTHERWISE.

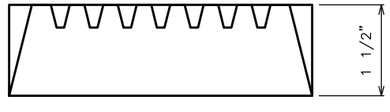
TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	S. ABUT.	PIER 1	PIER 2	N. ABUT.	SUPER.	TOTAL
	203.0200	REMOVING OLD STRUCTURE STA. 1042'TSB'+65.29	LS	––	––	––	––	––	1
	206.1000	EXCAVATION FOR STRUCTURES BRIDGES B–13–164	LS	––	––	––	––	––	1
	210.1500	BACKFILL STRUCTURE TYPE A	TON	85	––	––	85	––	170
	502.0100	CONCRETE MASONRY BRIDGES	CY	36	27	27	37	115	242
	502.2000	COMPRESSION JOINT SEALER PREFORMED ELASTOMERIC 2 1/2–INCH	LF	29	––	––	––	––	29
	502.3100	EXPANSION DEVICE B–13–164	LS	––	––	––	1	––	1
	502.3200	PROTECTIVE SURFACE TREATMENT	SY	––	––	––	––	330	330
	502.3210	PIGMENTED SURFACE SEALER	SY	5	––	––	10	75	90
	502.4204	ADHESIVE ANCHORS NO. 4 BAR	EA	8	––	––	8	––	16
	502.4205	ADHESIVE ANCHORS NO. 5 BAR	EA	3	––	––	3	––	6
	502.4206	ADHESIVE ANCHORS NO. 6 BAR	EA	8	––	––	8	––	16
	502.4207	ADHESIVE ANCHORS NO. 7 BAR	EA	––	12	12	––	––	24
	502.4208	ADHESIVE ANCHORS NO. 8 BAR	EA	7	––	––	6	––	13
	503.0128	PRESTRESSED GIRDER TYPE I 28–INCH	LF	––	––	––	––	440	440
	505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2,190	1,200	1,200	1,990	––	6,580
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,200	4,090	4,180	1,510	24,150	35,130
	506.4000	STEEL DIAPHRAGMS B–13–164	EA	––	––	––	––	6	6
	506.5000	BEARING ASSEMBLIES FIXED B–13–164	EA	3	––	––	––	––	3
	506.6000	BEARING ASSEMBLIES EXPANSION B–13–164	EA	––	6	6	3	––	15
★	509.1500	CONCRETE SURFACE REPAIR	SF	––	––	––	––	––	100
★	509.2000	FULL–DEPTH DECK REPAIR	SY	––	––	––	––	10	10
	511.1200	TEMPORARY SHORING B–13–164	SF	200	400	400	200	––	1,200
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	7	––	––	7	––	14
	550.1100	PILING STEEL HP 10–INCH X 42 LB	LF	330	400	400	385	––	1,515
	604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	100	––	––	110	––	210
	612.0406	PIPE UNDERDRAIN WRAPPED 6–INCH	LF	45	––	––	50	––	95
	614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EA	1	––	––	1	––	2
		NON–BID–ITEMS							
		FILLER							¾"

★ CONCRETE SURFACE REPAIR TO BE USED AT ABUTMENTS AND PIERS AND FULL–DEPTH DECK REPAIR TO BE USED ON EXISTING DECK AS DIRECTED BY FIELD ENGINEER.



RODENT SCREEN DETAIL

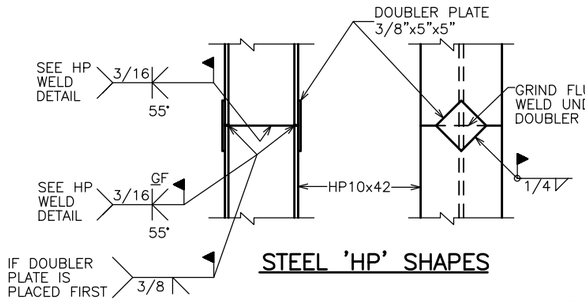


SECTION G–G

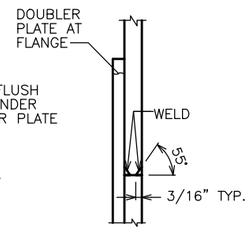
* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SCREEN, PIPE COUPLING AND SCREWS SHALL BE INCLUDED WITH THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6 INCH".

THE RODENT SCREEN 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 ATTACHMENT OF THIS SCREEN TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SCREEN SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1" STAINLESS STEEL SHEET METAL SCREWS.

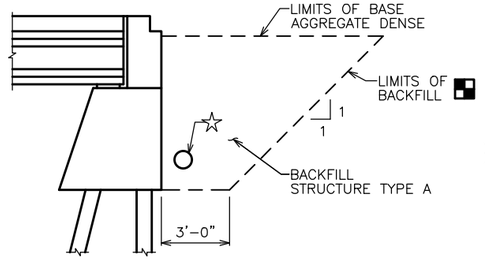


STEEL 'HP' SHAPES



HP WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

PILE SPLICE DETAILS



☆ PIPE UNDERDRAIN WRAPPED 6–INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SCREEN AT DISCHARGE END OF PIPE UNDERDRAIN AND CAP AT THE OTHER END. RODENT SCREEN TO BE INCLUDED IN BID PRICE OF "PIPE UNDERDRAIN WRAPPED 6–INCH".

■ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

BACKFILL STRUCTURE LIMITS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–164

DRAWN BY KGC/JWZ | PLANS CHK'D CBM

ESTIMATED QUANTITIES AND NOTES

SHEET 3 OF 25

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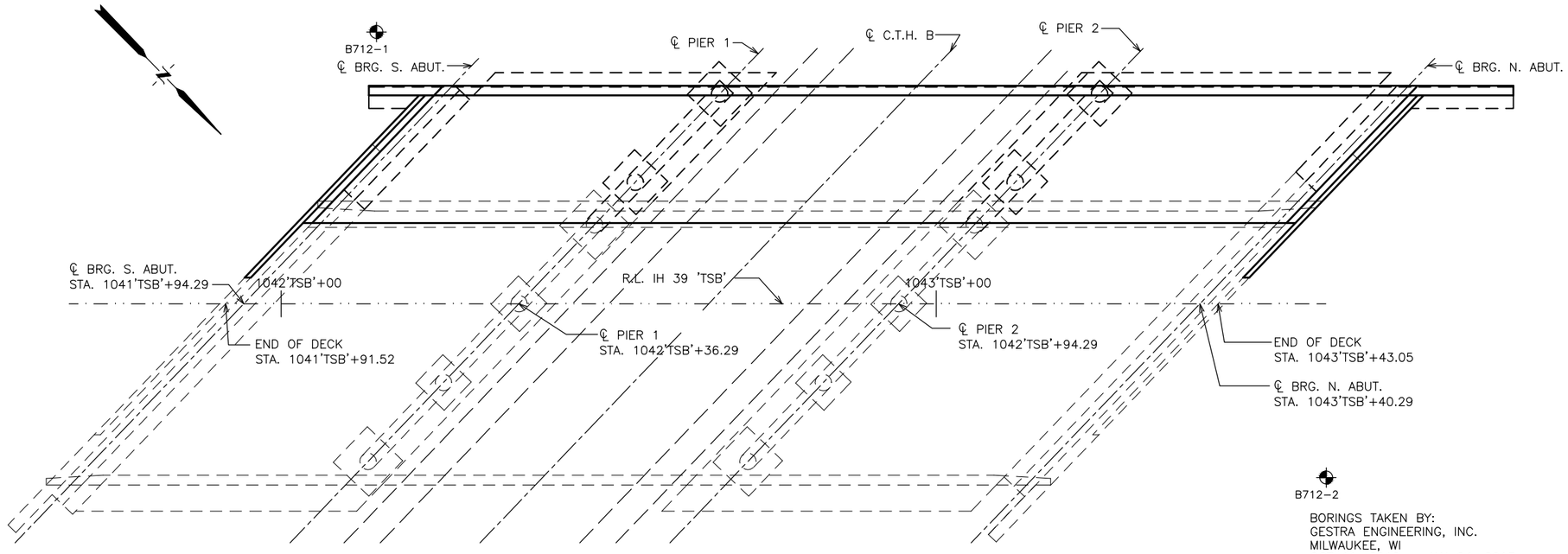
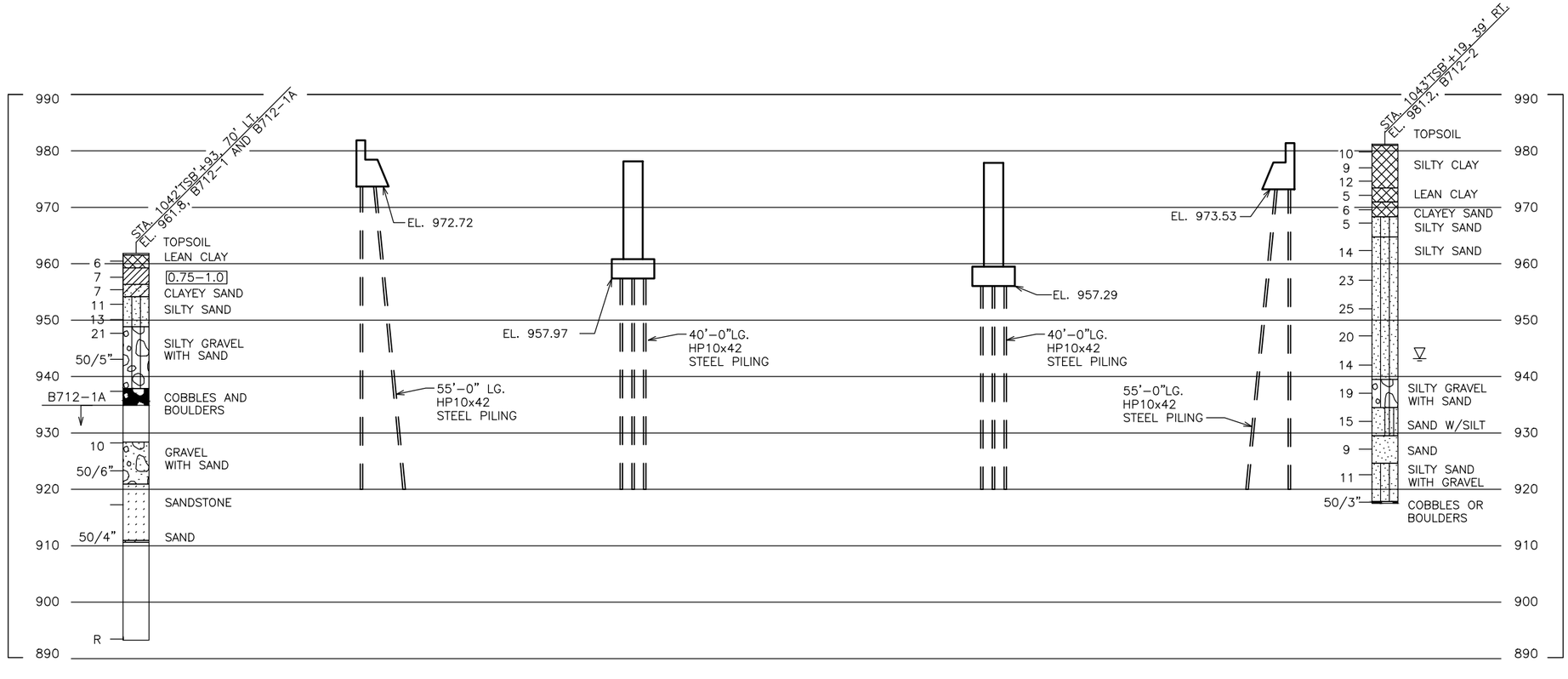


BORINGS TAKEN BY:
GESTRA ENGINEERING, INC.
MILWAUKEE, WI
OCT 11, 2012 – JAN 04, 2013



STATE PROJECT NUMBER

1007-10-88

ABBREVIATIONS

F— Fine M— Medium C— Coarse
Ws— Weathered So— Sound

MATERIAL SYMBOLS

Topsoil, Silt, Sandstone
Sand, Peat, Limestone
Gravel, Clay, Igneous Rock

LEGEND OF PROBING

95/6=95 Blows for 6" Penetration Probing taken with a 350#wt. Falling 18" on a 2" O.D. Point.

Probing No.
Sta.
Elevation
7 Average Blows Per Foot
Refusal 95/6

LEGEND OF BORING

BORING NO.
STA.
Elev.
Unconfined Strength — 7.7
Blows Per Ft. Using 140# Wt. Falling 30"
Wash Sample
Shelby Tube — S.T.
Ground Water Elevation
No Ground Water Observed Above This Elevation
Sandy Gravel
F.
Boulders or Cobbles
Sand
Silty Clay
So
Limestone

UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A 2"O.D.x1.4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY KGC | PLANS CHK'D JSM

SUBSURFACE EXPLORATION

SHEET 4 OF 25

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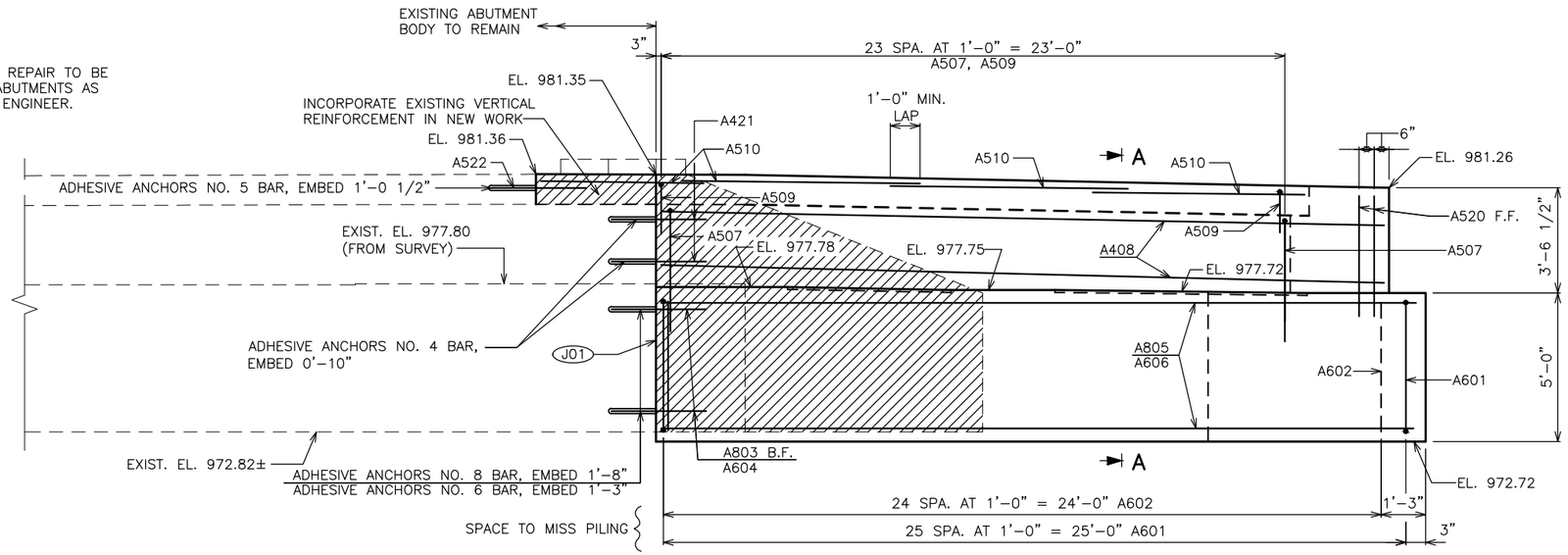
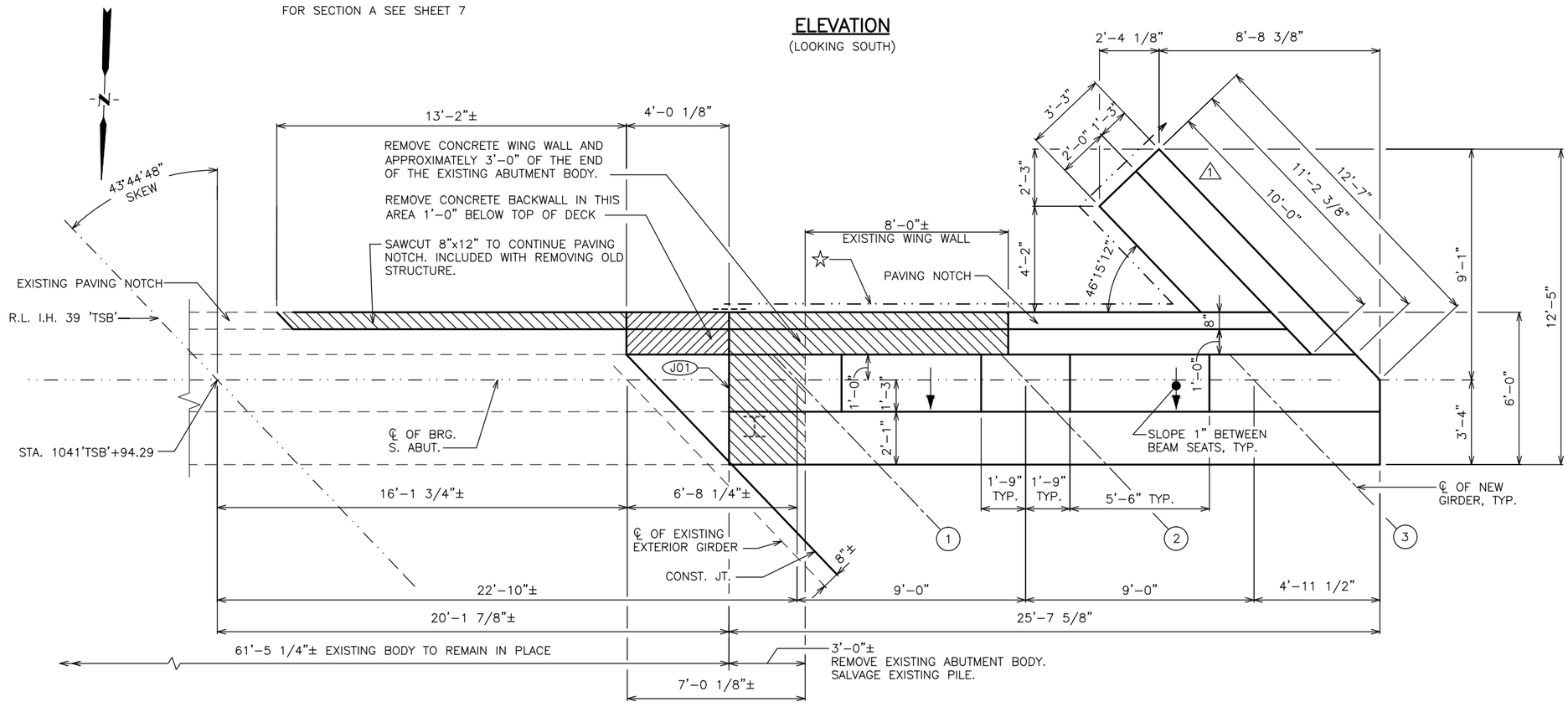
STATE PROJECT NUMBER
1007–10–88

NOTE:
CONCRETE SURFACE REPAIR TO BE USED AT EXISTING ABUTMENTS AS DIRECTED BY FIELD ENGINEER.



FOR SECTION A SEE SHEET 7

ELEVATION
(LOOKING SOUTH)



PLAN

B.F. DENOTES BACK FACE.

F.F. DENOTES FRONT FACE.

(J01) ROUGHEN SURFACE OF CONCRETE 1/4" DEEP MIN. ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

☆ PIPE UNDERDRAIN WRAPPED 6–INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SCREEN AT DISCHARGE END OF PIPE UNDERDRAIN AND CAP AT THE OTHER END. RODENT SCREEN TO BE INCLUDED IN BID PRICE OF "PIPE UNDERDRAIN WRAPPED 6–INCH".
SEE DETAIL ON SHEET 3.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–164

DRAWN BY KGC/JWZ | PLANS CHK'D CBM

SOUTH ABUTMENT

SHEET 5 OF 25

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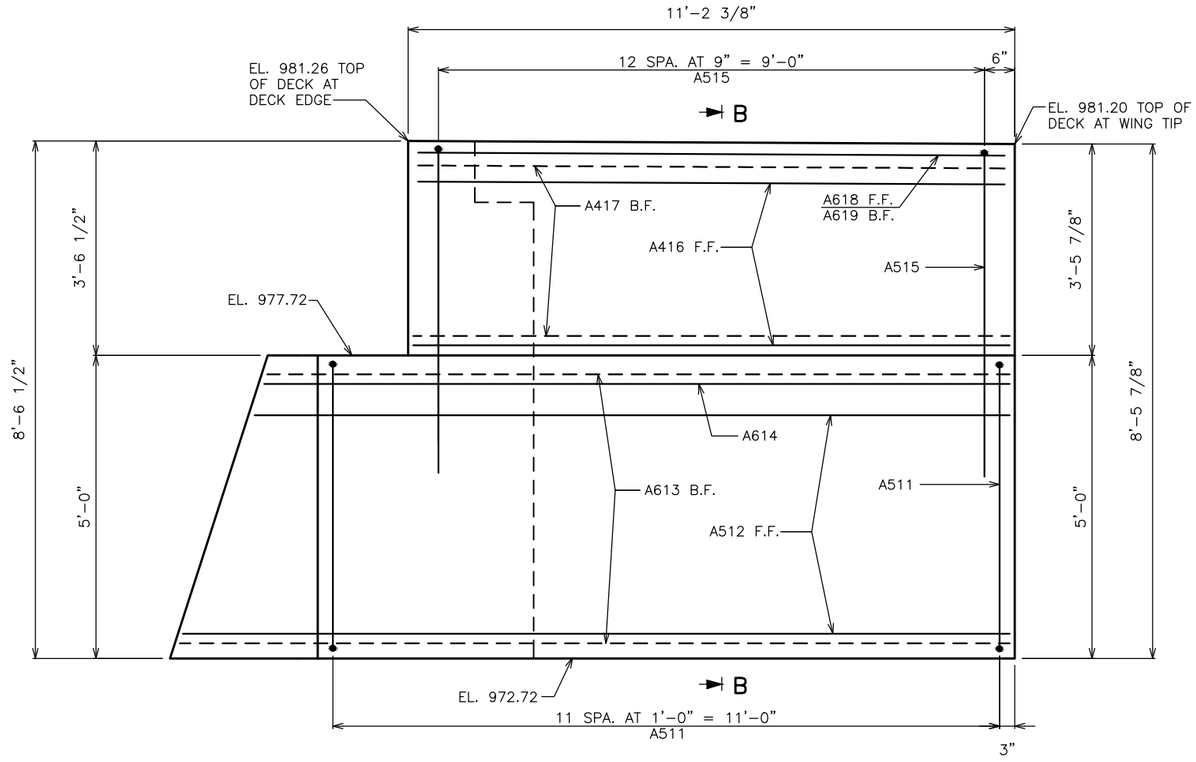
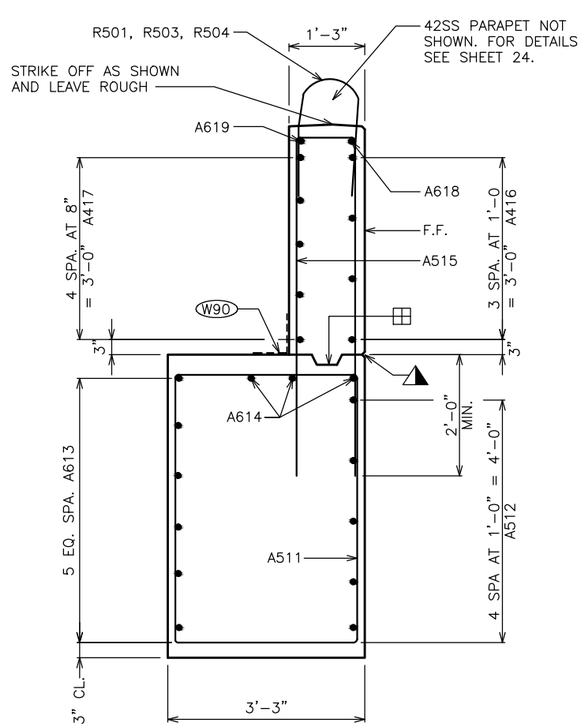
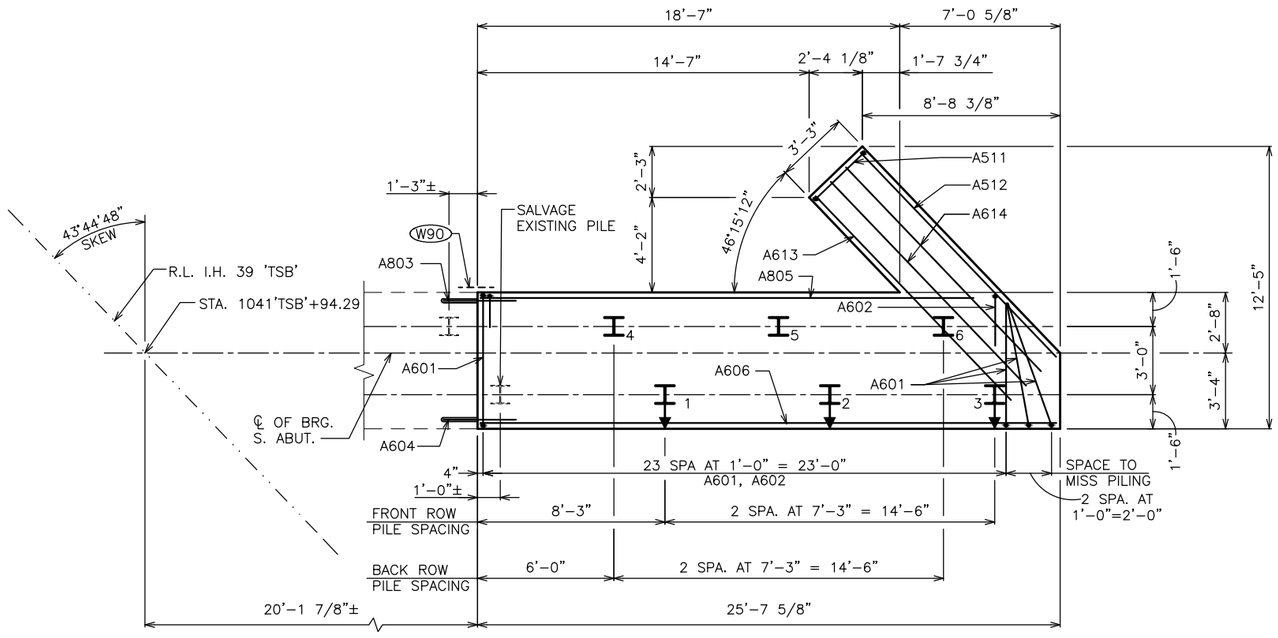
STATE PROJECT NUMBER
1007-10-88



ELEVATION WING 1



SECTION B



PILE LAYOUT & PLAN WING 1

DENOTES BATTERED PILES. BATTER 3"/FOOT IN DIRECTION SHOWN

W90 — 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT

OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

3/4" 'V' GROOVE ON F.F. OF WINGWALL. OMIT IF CONST. JOINT NOT USED.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY KGC/JWZ | PLANS CHK'D CBM

SOUTH ABUTMENT WING 1 DETAILS

SHEET 6 OF 25

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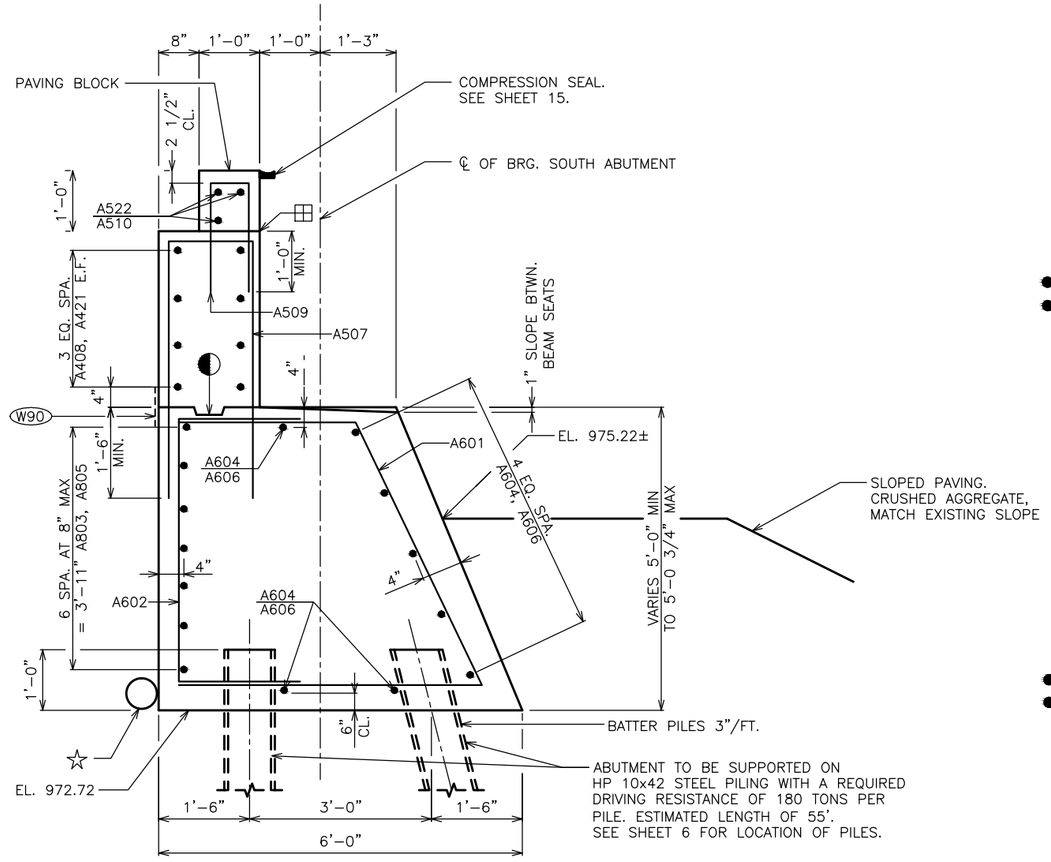
STATE PROJECT NUMBER

1007-10-88



SECTION A

FOR LOCATION OF SECTION "A", SEE SHEET 5.

WEIGHTS INCLUDE PARAPET STEEL SHOWN ON SHEET 24

COATED: 1,200 LBS
UNCOATED: 2,190 LBS

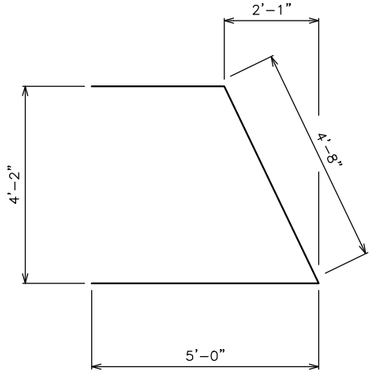
BILL OF BARS

FOR SOUTH ABUTMENT

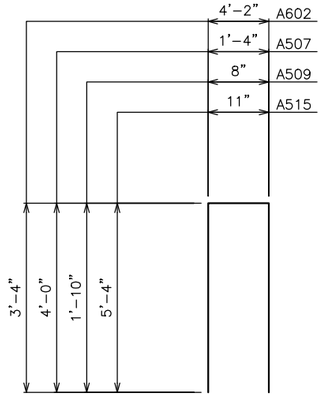
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A601		26	12-5	X		BODY VERT. F.F
A602		24	10-8	X		BODY VERT. B.F.
● A803		7	6-11			BODY DOWELS B.F.
● A604		8	4-4			BODY DOWELS
A805		7	22-8			BODY HORIZ. B.F.
A606		8	24-10			BODY HORIZ.
A507	X	24	9-1	X		BACKWALL VERT.
A408	X	8	24-0			BACKWALL HORIZ. E.F.
A509	X	24	4-1	X		BACKWALL AT PAVING BLOCK VERT.
A510	X	12	8-0			PAVING BLOCK HORIZ.
A511		12	15-4	X		WING 1 VERT
A512		5	12-3			WING 1 HORIZ. F.F.
A613		6	12-3			WING 1 HORIZ. B.F.
A614		3	12-3			WING 1 HORIZ.
A515	X	13	11-4	X		WING 1 VERT.
A416	X	4	10-8			WING 1 HORIZ. F.F.
A417	X	5	9-10			WING 1 HORIZ. B.F.
A618	X	1	10-8			WING 1 HORIZ. TOP F.F.
A619	X	1	9-10			WING 1 HORIZ. TOP B.F.
A520	X	2	4-10			BACKWALL VERT. AT WING 1 F.F.
● A421	X	8	3-4			BACKWALL DOWELS E.F.
● A522	X	3	4-0			PAVING BLOCK DOWELS

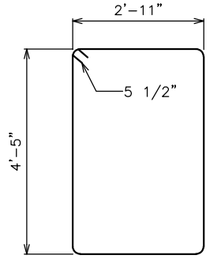
BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

● ADHESIVE ANCHORS



A601





A511

☆ PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SCREEN AT DISCHARGE END OF PIPE UNDERDRAIN AND CAP AT THE OTHER END. RODENT SCREEN TO BE INCLUDED IN BID PRICE OF "PIPE UNDERDRAIN WRAPPED 6-INCH". SEE DETAIL ON SHEET 3.

(W90) 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT.

◐ OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

⊞ CONSTRUCTION JOINT – POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IN IS PLACE. STRIKE OFF AND LEAVE ROUGH.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

SEE SHEET 3 FOR PILE SPLICE DETAIL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY KGC/JWZ | PLANS CHK'D CBM

SOUTH ABUTMENT DETAILS

SHEET 7 OF 25

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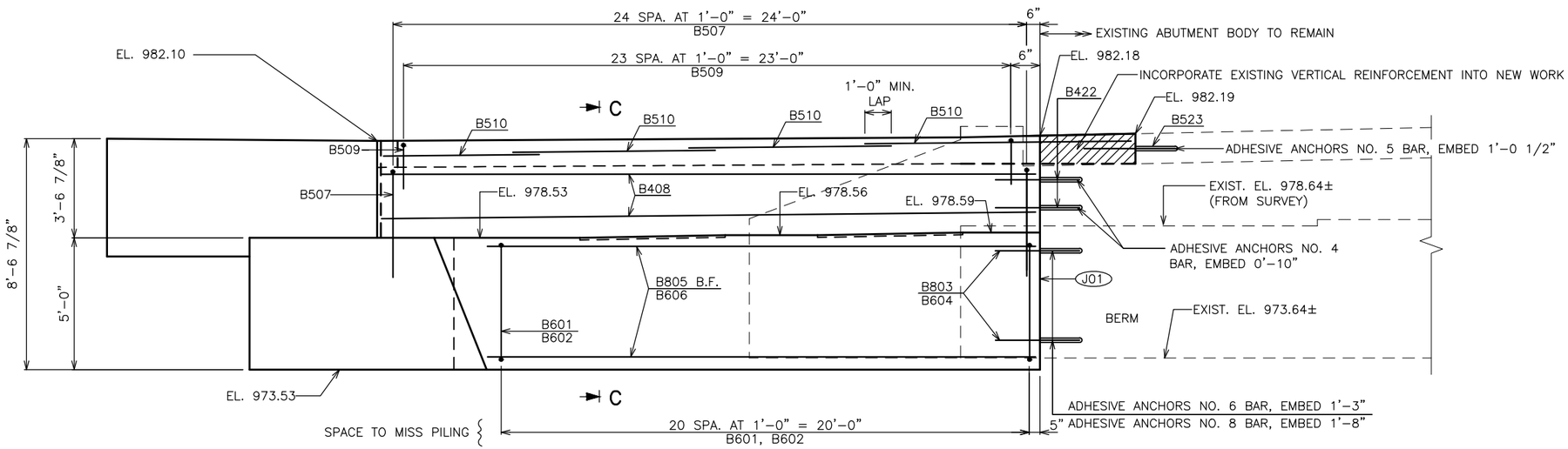
STATE PROJECT NUMBER
1007–10–88



FOR SECTION C SEE SHEET 10

NOTE:
CONCRETE SURFACE REPAIR TO BE USED AT EXISTING ABUTMENTS AS DIRECTED BY FIELD ENGINEER.

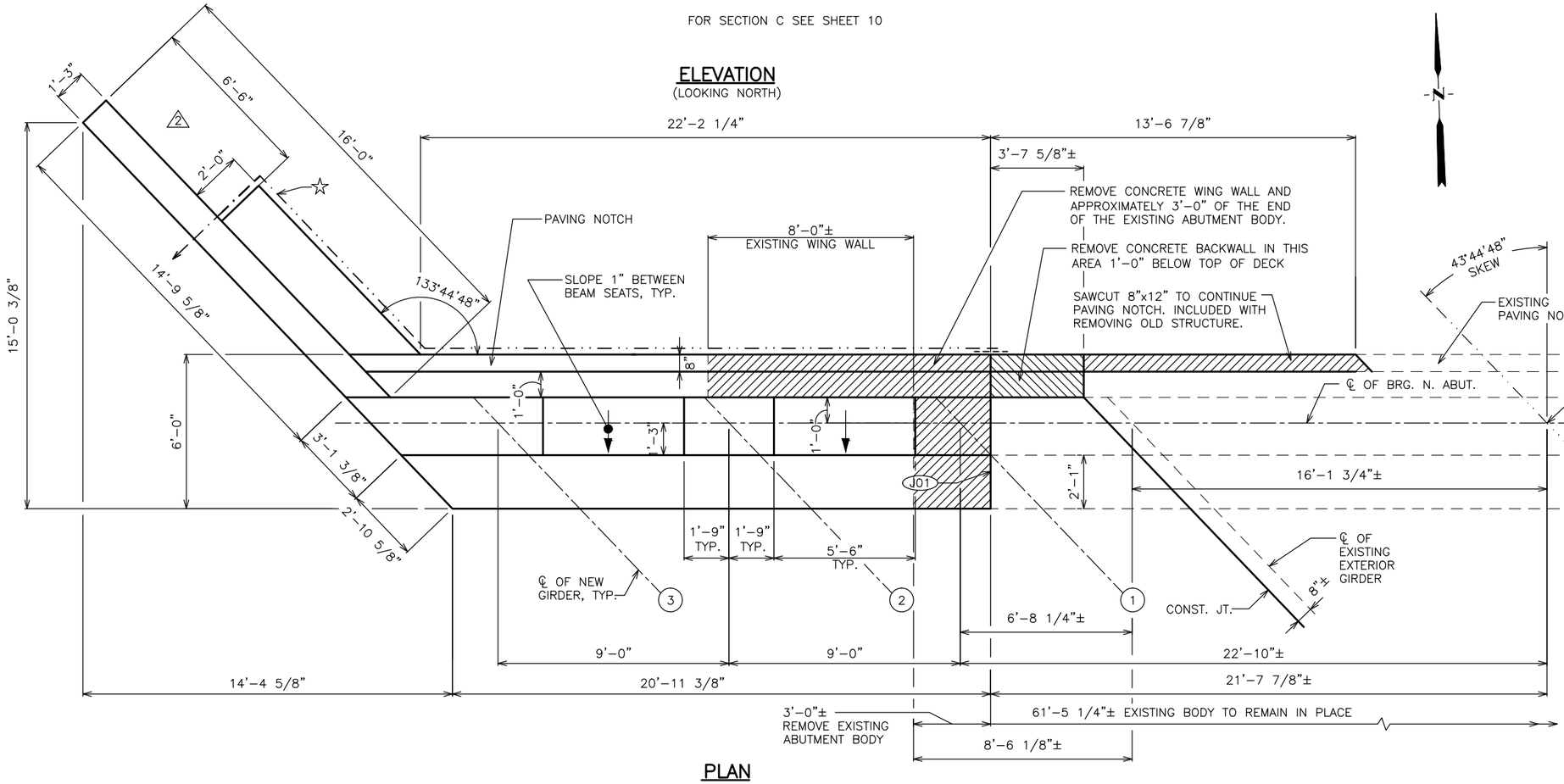
(J01) ROUGHEN SURFACE OF CONCRETE 1/4" DEEP MIN. ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.

☆ PIPE UNDERDRAIN WRAPPED 6–INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SCREEN AT DISCHARGE END OF PIPE UNDERDRAIN AND CAP AT THE OTHER END. RODENT SCREEN TO BE INCLUDED IN BID PRICE OF "PIPE UNDERDRAIN WRAPPED 6–INCH". SEE DETAIL ON SHEET 3.

F.F. DENOTES FRONT FACE.

B.F. DENOTES BACK FACE.

ELEVATION
(LOOKING NORTH)



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–164

DRAWN BY KGC/JWZ | PLANS CHK'D CBM

NORTH ABUTMENT

SHEET 8 OF 25

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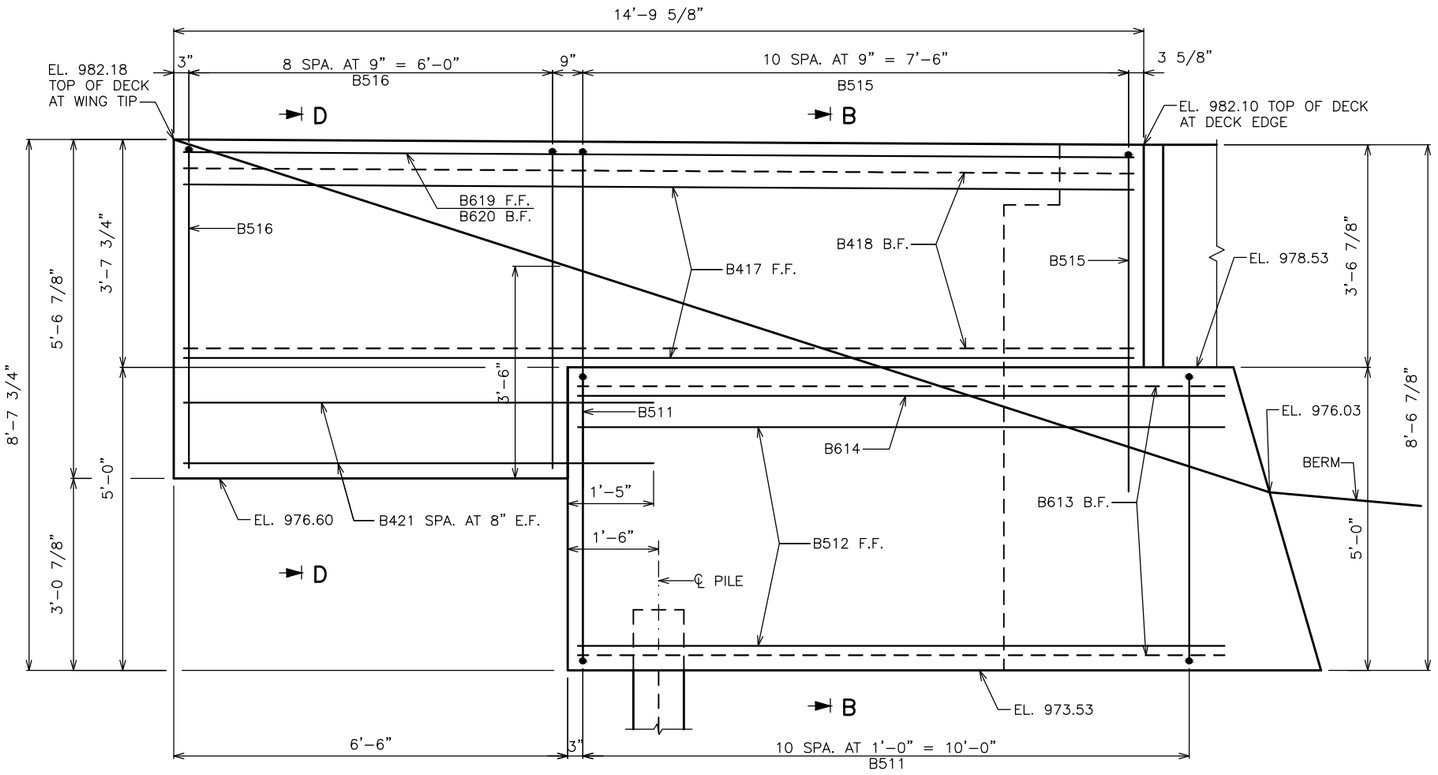
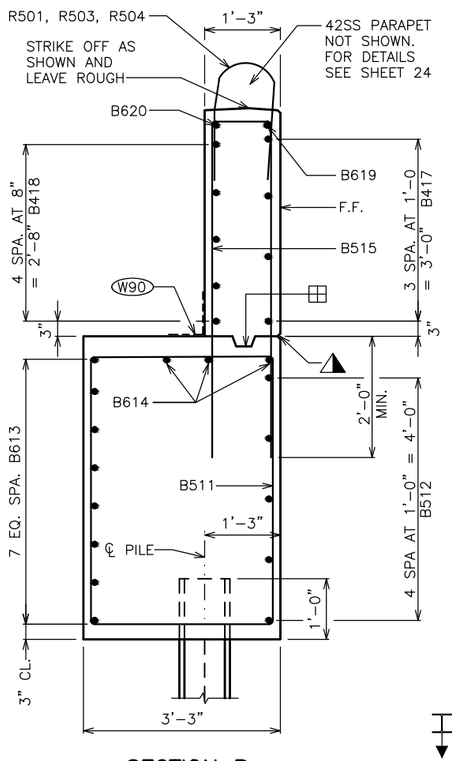
8

8

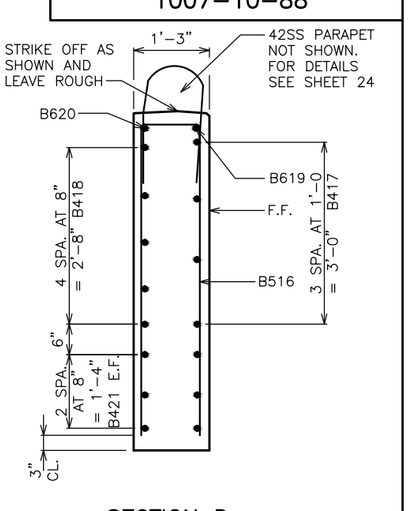
STATE PROJECT NUMBER
1007-10-88



ELEVATION WING 2



SECTION B



SECTION D

DENOTES BATTERED PILES.
BATTER 3"/FOOT IN DIRECTION
SHOWN

W90 — 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT

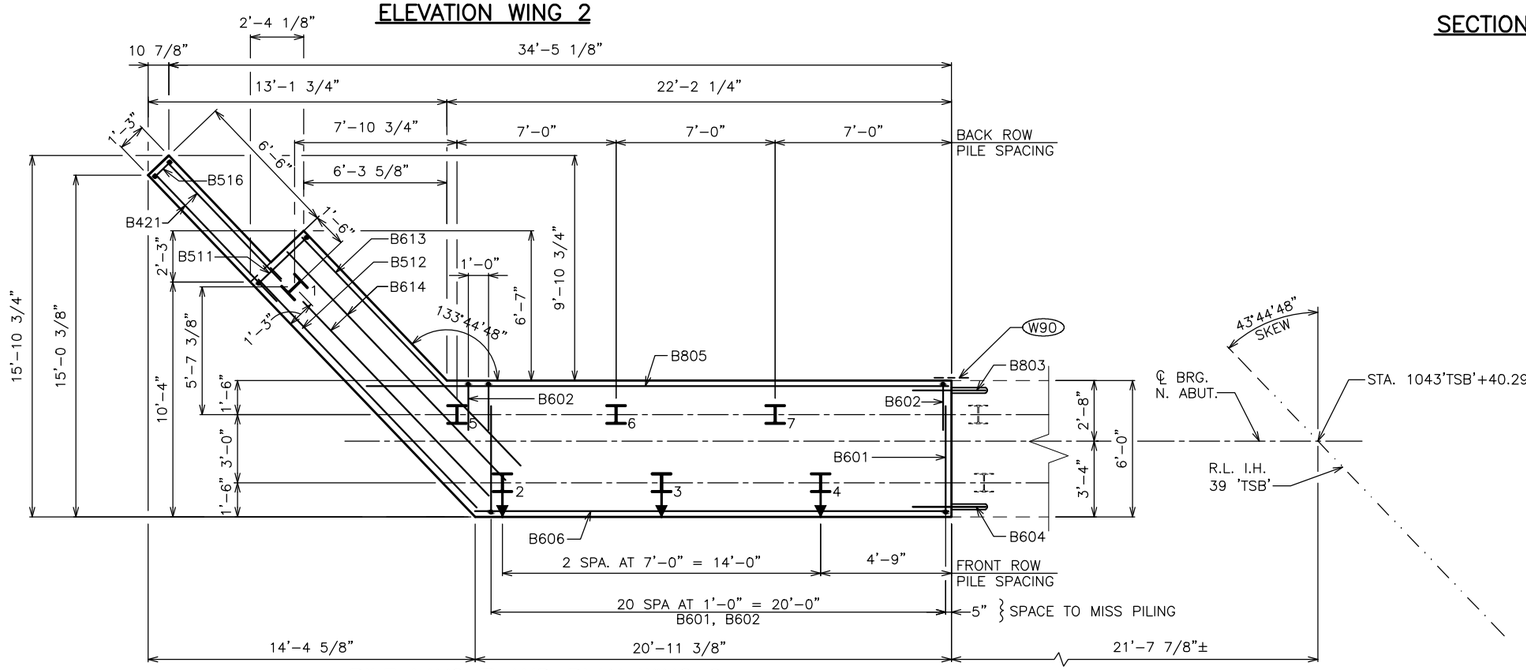
OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

3/4" 'V' GROOVE ON F.F. OF WINGWALL. OMIT IF CONST. JOINT NOT USED.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE



PILE LAYOUT AND PLAN WING 2

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY KGC/JWZ | PLANS CHK'D CBM

NORTH ABUTMENT
WING 2 DETAILS

SHEET 9 OF 25

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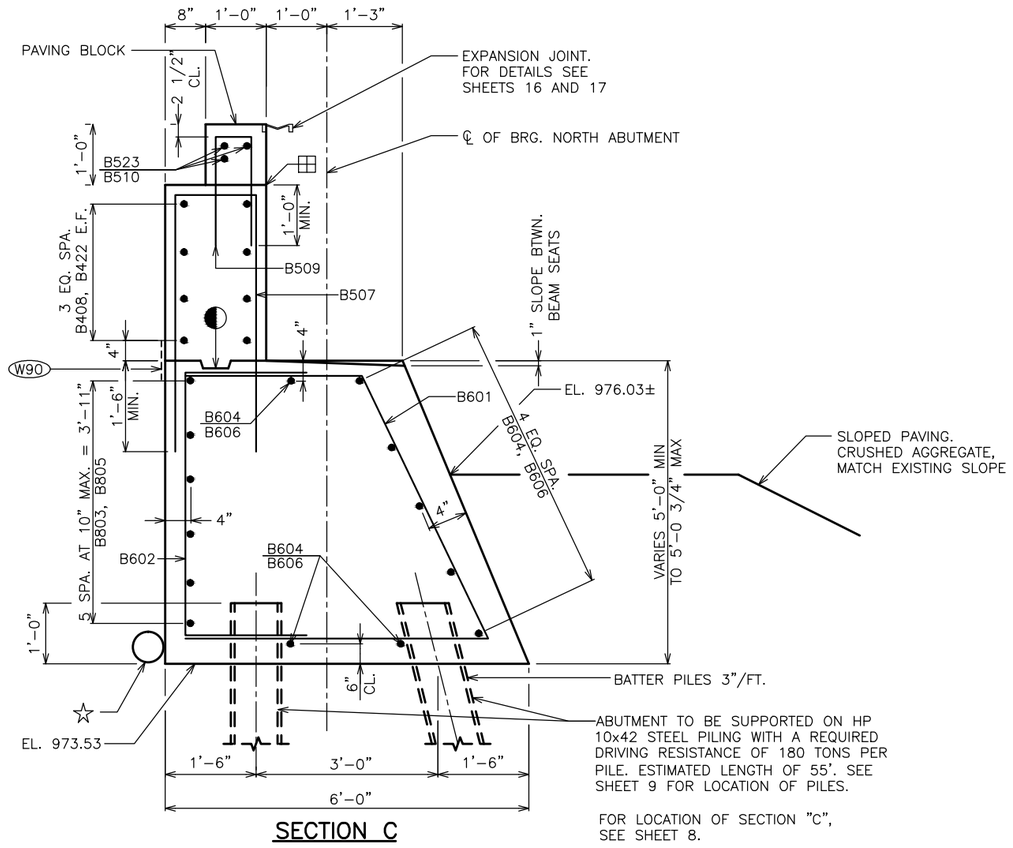
STATE PROJECT NUMBER
1007–10–88



SECTION C

FOR LOCATION OF SECTION "C", SEE SHEET 8.

WEIGHTS INCLUDE PARAPET STEEL SHOWN ON SHEET 24

COATED: 1,510 LBS
UNCOATED: 1,990 LBS

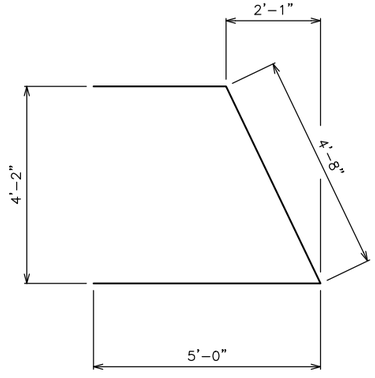
BILL OF BARS

FOR NORTH ABUTMENT

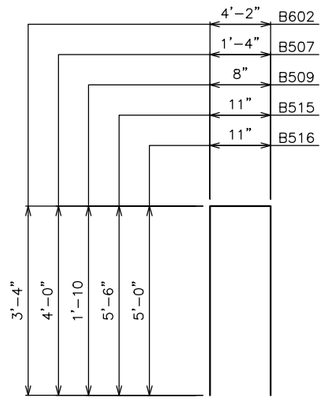
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B601		21	12–5	X		BODY VERT. F.F
B602		22	10–8	X		BODY VERT. B.F.
● B803		6	6–11			BODY DOWELS B.F.
● B604		8	4–4			BODY DOWELS
B805		6	26–0			BODY HORIZ. B.F.
B606		8	20–8			BODY HORIZ.
B507	X	25	9–1	X		BACKWALL VERT.
B408	X	8	24–9			BACKWALL HORIZ. E.F.
B509	X	24	4–1	X		BACKWALL AT PAVING BLOCK VERT.
B510	X	12	8–0			PAVING BLOCK HORIZ.
B511		11	15–4	X		WING 2 VERT
B512		5	11–0			WING 2 HORIZ. F.F.
B613		8	11–0			WING 2 HORIZ. B.F.
B614		3	11–0			WING 2 HORIZ.
B515	X	11	11–8	X		WING 2 VERT.
B516	X	9	10–9	X		WING 2 VERT.
B417	X	4	14–7			WING 2 HORIZ. F.F.
B418	X	5	15–6			WING 2 HORIZ. B.F.
B619	X	1	14–7			WING 2 HORIZ. TOP F.F.
B620	X	1	15–6			WING 2 HORIZ. TOP B.F.
B421	X	6	7–9			WING 2 HORIZ.
● B422	X	8	3–4			BACKWALL DOWELS E.F.
● B523	X	3	4–0			PAVING BLOCK DOWELS

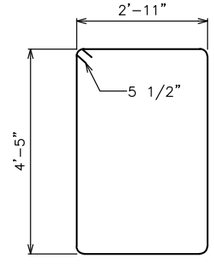
BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

● ADHESIVE ANCHORS



B601





B511

☆ PIPE UNDERDRAIN WRAPPED 6–INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SCREEN AT DISCHARGE END OF PIPE UNDERDRAIN AND CAP AT THE OTHER END. RODENT SCREEEN TO BE INCLUDED IN BID PRICE OF "PIPE UNDERDRAIN WRAPPED 6–INCH". SEE DETAIL ON SHEET 3.

(W90) 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE OF ABUTMENT.

◐ OPT. KEYED CONST. JOINT – FORMED BY A SURFACED BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

⊞ CONSTRUCTION JOINT – POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IN IS PLACE. STRIKE OFF AND LEAVE ROUGH.

F.F DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

SEE SHEET 3 FOR PILE SPLICE DETAIL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–164

DRAWN BY KGC/JWZ | PLANS CHK'D CBM

NORTH ABUTMENT DETAILS

SHEET 10 OF 25

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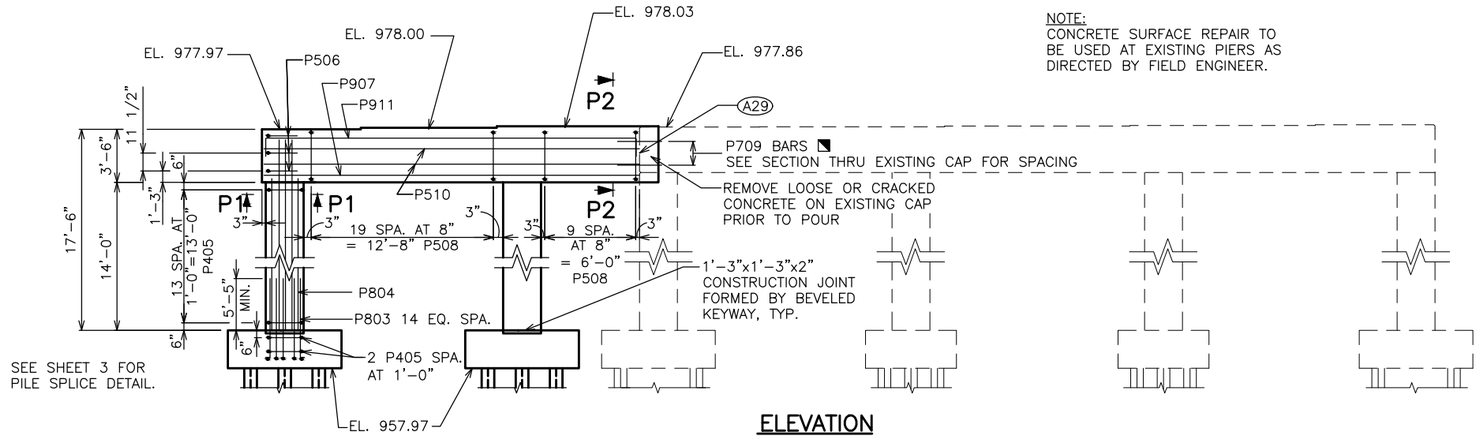
STATE PROJECT NUMBER
1007–10–88



NOTE:
CONCRETE SURFACE REPAIR TO BE USED AT EXISTING PIERS AS DIRECTED BY FIELD ENGINEER.

ELEVATION
(LOOKING NORTH)

BILL OF BARS

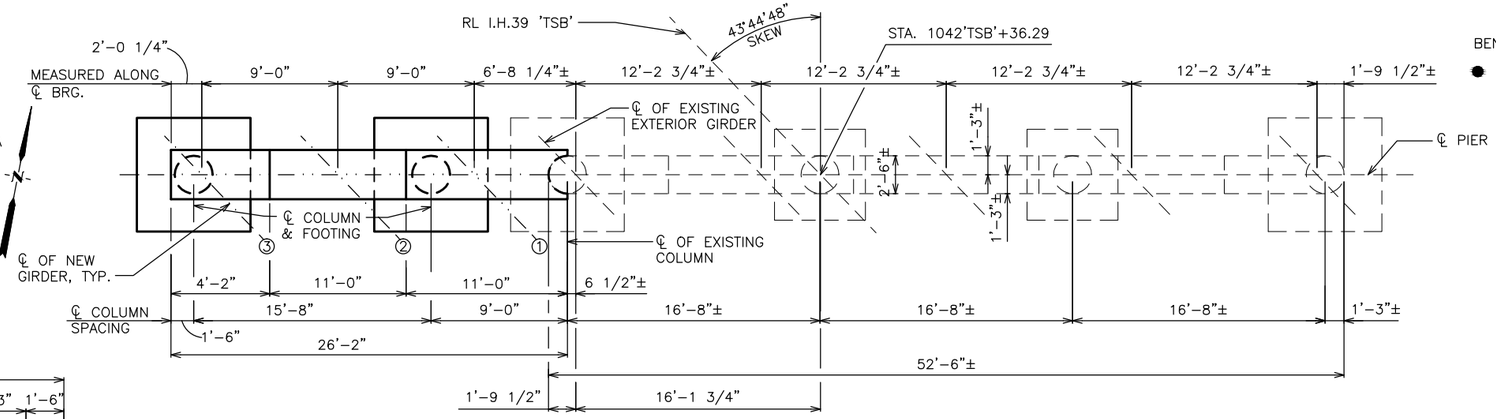
COATED: 4,090 LBS
UNCOATED: 1,200 LBS

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT BAR	BAR SERIES	LOCATION
P801		32	7–0			FOOTINGS TOP
P802		32	7–0			FOOTINGS BOT.
P803	X	28	8–6	X		FOOTING DOWELS
P804	X	28	17–2			COLUMNS–VERT.
P405	X	32	8–3	X		HOOPS AT FOOTINGS AND COL
P506	X	3	6–0	X		CAP–NOSE BARS
P907	X	6	24–6			CAP–HORIZ. BOTTOM
P508	X	60	10–8	X		CAP–STIRRUPS
P709	X	12	6–2			CAP–CONC. MASONRY ANCHORS
P510	X	4	25–10			CAP–SIDES
P911	X	6	27–2	X		CAP–HORIZ. TOP

■ ADHESIVE ANCHORS NO. 7 BAR, EMBED 1'–5 1/2" INTO EXISTING CONCRETE.

(P1) PIERS TO BE SUPPORTED ON HP 10x42 STEEL PILING WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE AND ESTIMATED LENGTH OF 40'

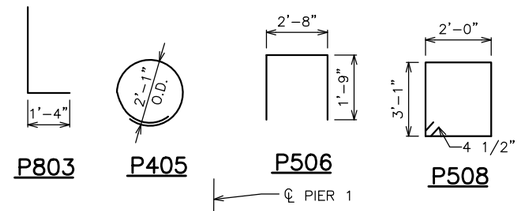
(A29) ROUGHEN SURFACE OF CONCRETE 1/4" DEEP MINIMUM ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.



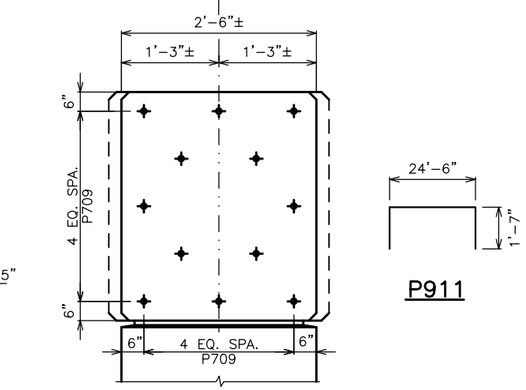
PLAN

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

● ADHESIVE ANCHORS

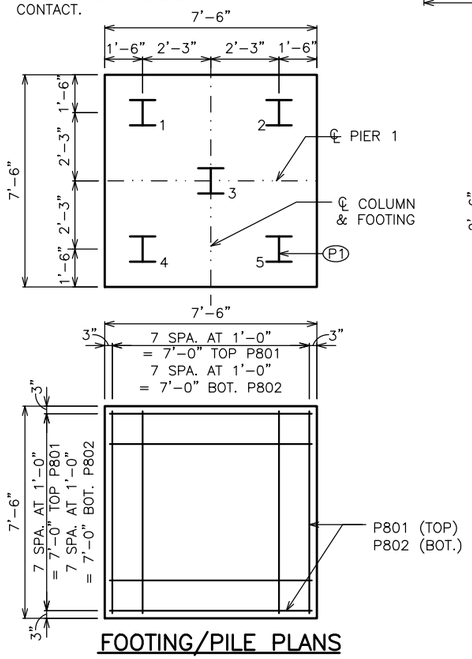


P803 P405 P506 P508

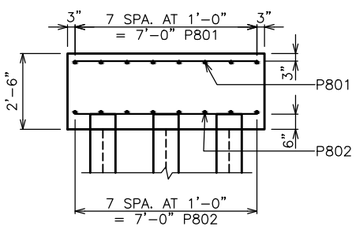


P911

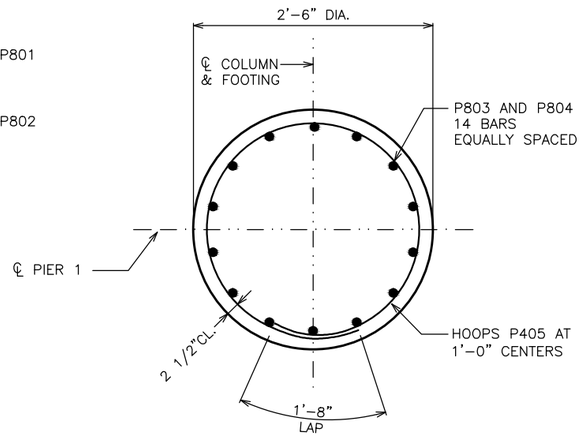
SECTION THRU EXISTING CAP
SHOWING ADHESIVE ANCHOR SPACING



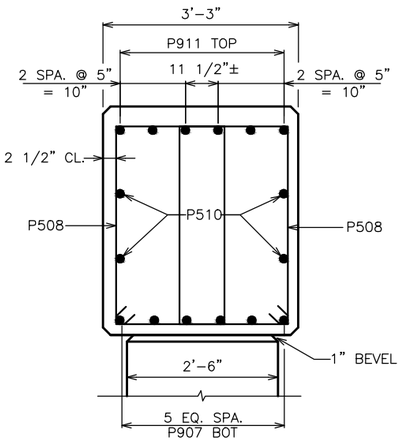
FOOTING/PILE PLANS



FOOTING ELEVATION



SECTION P1



SECTION P2

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–164

DRAWN BY KGC/JWZ | PLANS CHK'D CBM

PIER 1

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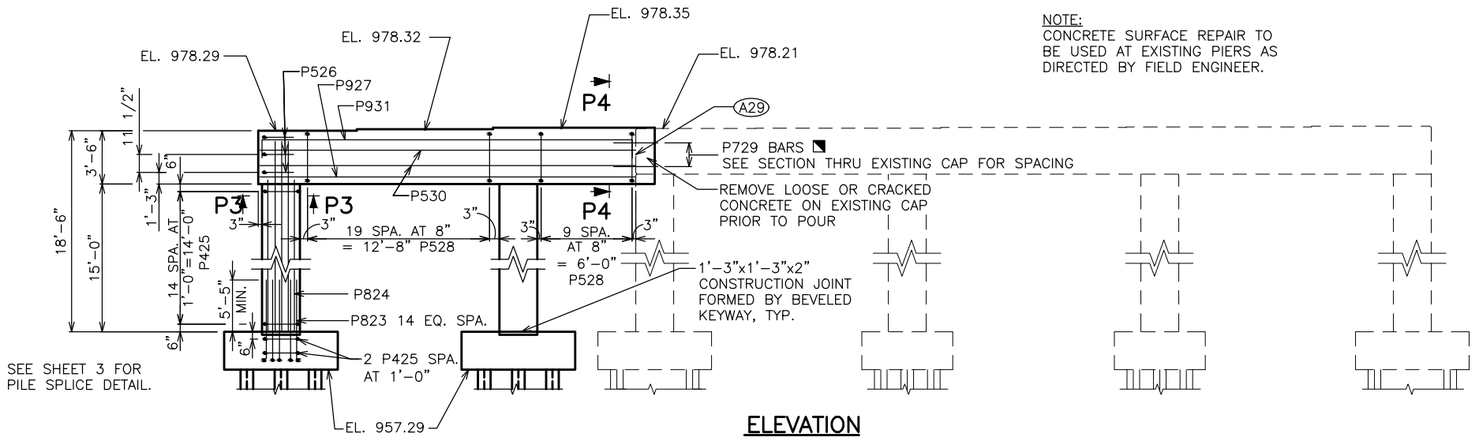
STATE PROJECT NUMBER
1007-10-88



NOTE:
CONCRETE SURFACE REPAIR TO BE USED AT EXISTING PIERS AS DIRECTED BY FIELD ENGINEER.

ELEVATION
(LOOKING NORTH)

COATED: 4,180 LBS
UNCOATED: 1,200 LBS

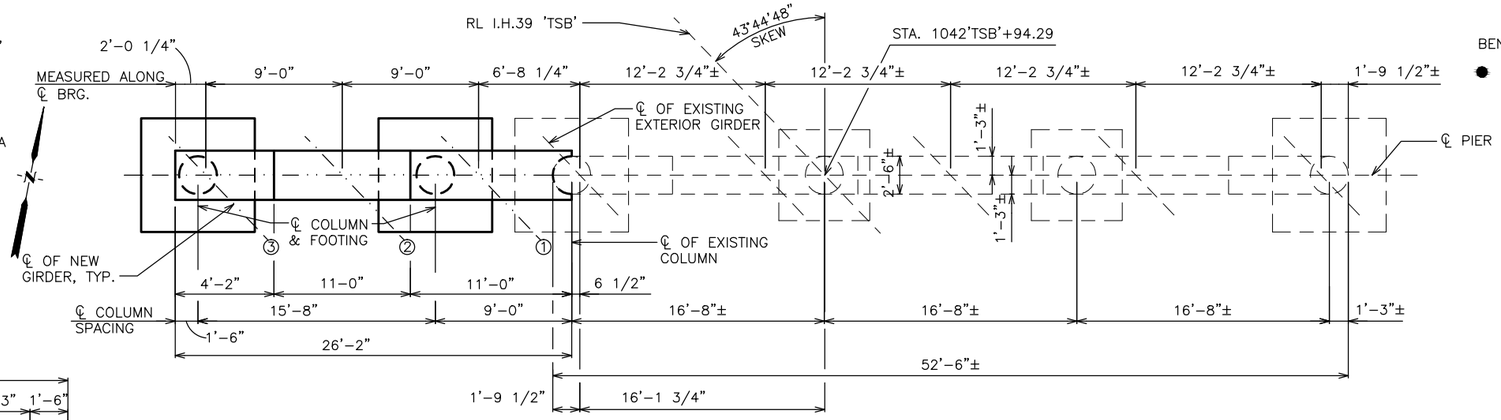
BILL OF BARS

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT BAR	BAR SERIES	LOCATION
P821		32	7-0			FOOTINGS TOP
P822		32	7-0			FOOTINGS BOT.
P823	X	28	8-6	X		FOOTING DOWELS
P824	X	28	18-2			COLUMNS-VERT.
P425	X	34	8-3	X		HOOPS AT FOOTINGS AND COL
P526	X	3	6-0	X		CAP-NOSE BARS
P927	X	6	24-6			CAP-HORIZ. BOTTOM
P528	X	60	10-8	X		CAP-STIRRUPS
P729	X	12	6-2			CAP-CONC. MASONRY ANCHORS
P530	X	4	25-10			CAP-SIDES
P931	X	6	27-2	X		CAP-HORIZ. TOP

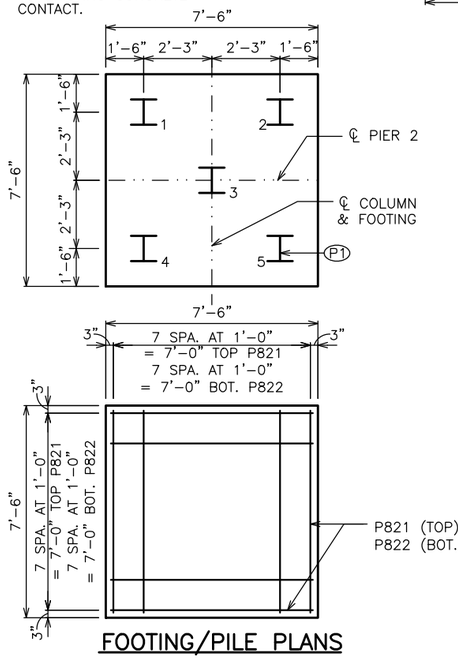
■ ADHESIVE ANCHORS NO. 7 BAR, EMBED 1'-5 1/2" MIN. INTO EXISTING CONCRETE.

(P1) PIERS TO BE SUPPORTED ON HP 10x42 STEEL PILING WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE AND ESTIMATED LENGTH OF 40'

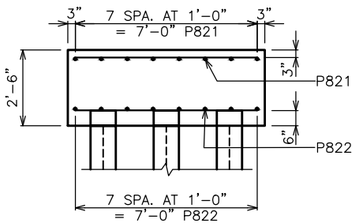
(A29) ROUGHEN SURFACE OF CONCRETE 1/4" DEEP MINIMUM ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT.



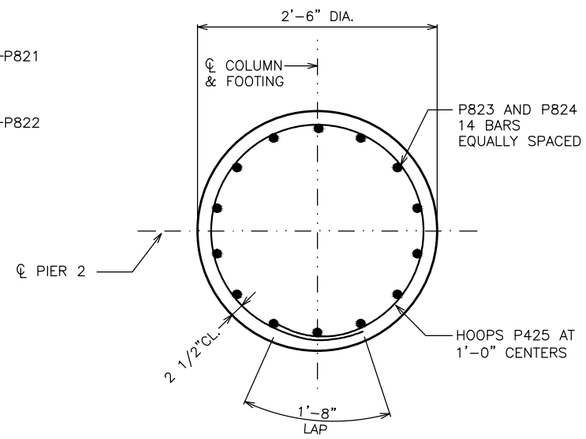
PLAN



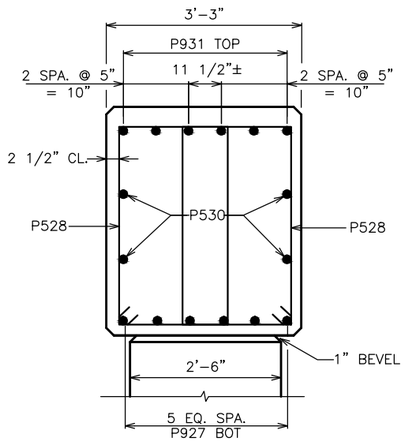
FOOTING/PILE PLANS



FOOTING ELEVATION



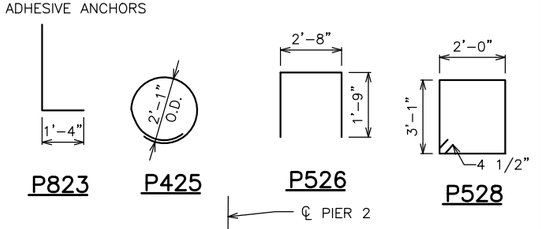
SECTION P3

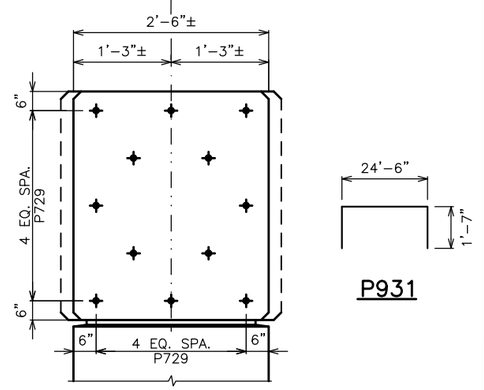


SECTION P4

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

● ADHESIVE ANCHORS





SECTION THRU EXISTING CAP
SHOWING ADHESIVE ANCHOR SPACING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY KGC/JWZ | PLANS CHK'D CBM

PIER 2

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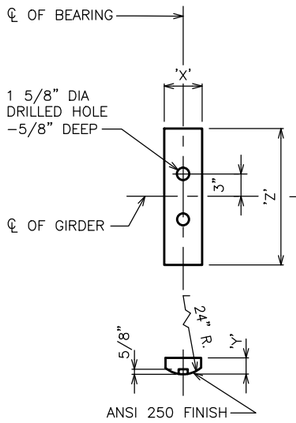
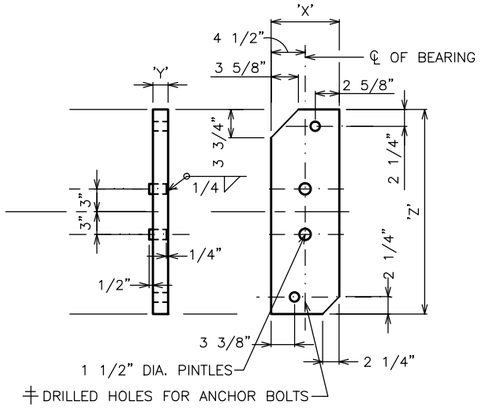
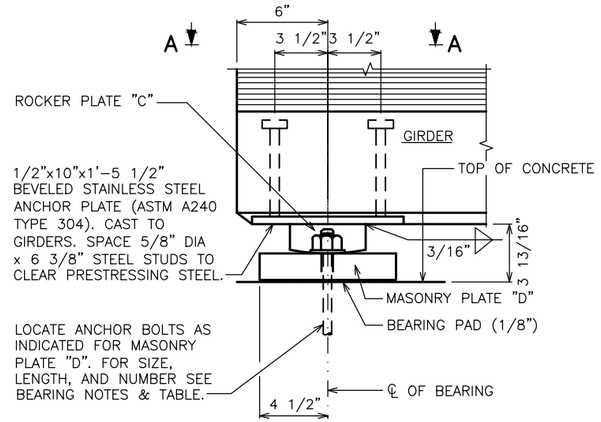


ROCKER PLATE "C"

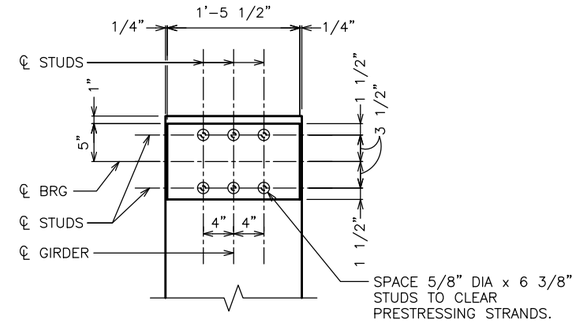


TYPE I
MASONRY PLATE "D"
FIXED BEARING

	PLATE "C"			PLATE "D"			PLATE "D" TYPE	ANCHOR BOLT SIZE	NO. OF BRGS. REQ'D.	LOCATION
	'X'	'Y'	'Z'	'X'	'Y'	'Z'				
FIXED BEARING	5"	1 15/16"	1'-6"	9"	1 3/4"	2'-3"	I	1 1/4"	3	SOUTH ABUT.



FIXED BEARING ASSEMBLY
SOUTH ABUTMENT



SECTION A-A
PLAN VIEW

BEARING NOTES

ALL BEARINGS ARE SYMMETRICAL ABOUT ℄ OF GIRDER AND ℄ OF BEARING.

IN LIEU OF USING SHIM PLATES, FABRICATION MAY INCREASE THICKNESS OF MASONRY PLATE "D" BY THE SHIM PLATE THICKNESS.

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.

CHAMFER ANCHOR BOLTS PRIOR TO THREADING.

ANCHOR BOLTS SHALL BE THREADED 3". PROVIDE ONE STANDARD WROUGHT WASHER AND ONE HEX NUT PER BOLT. BOLT LENGTH TO BE 1'-5" FOR 1 1/4" BOLTS. PROJECT ANCHOR BOLTS, MASONRY PLATE "D" THICKNESS + 2 1/4", ABOVE TOP OF CONCRETE.

CHAMFER TOP OF PINTLES 1/8". DRILL HOLES FOR ALL PINTLES IN MASONRY PLATE "D" FOR A DRIVING FIT.

ALL MATERIAL IN BEARINGS, INCLUDING SHIM PLATES, BUT EXCLUDING ANCHOR BOLTS, PINTLES, NUTS AND WASHERS SHALL CONFORM TO ASTM A709 GRADE 50W.

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.

PROVIDE 1/8" THICK BEARING PAD THE SAME SIZE AS MASONRY PLATE "D" FOR EACH BEARING.

ALL MATERIAL IN BEARINGS, INCLUDING SHIM PLATES AND BEARING PADS, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "BEARING ASSEMBLIES FIXED B-13-164", EACH.

ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153, CLASS C.

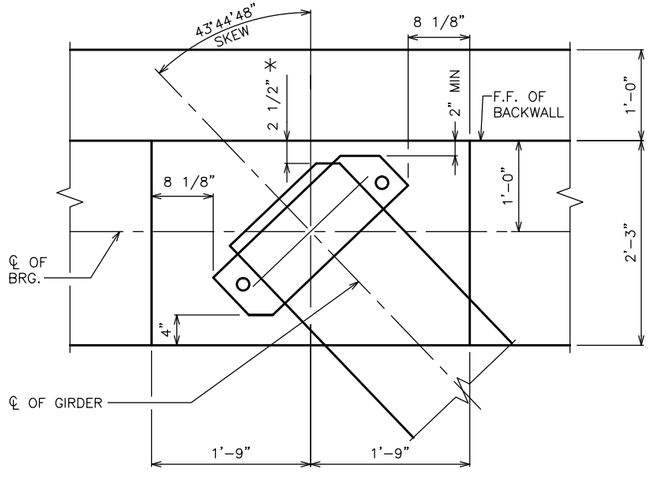
ROCKER PLATE "C" SHALL BE SHOP PAINTED WITH A WELDABLE PRIMER.

MASONRY PLATE "D" SHALL BE GALVANIZED.

PLACE SHIM PLATES BETWEEN BEARING PAD AND MASONRY PLATE "D". PLATES SHALL HAVE 'X' AND 'Z' DIMENSIONS THAT MATCH MASONRY PLATE "D".

⧺ DRILLED HOLES FOR ANCHOR BOLTS IN MASONRY PLATE "D" SHALL HAVE A DIAMETER 3/8" LARGER THAN ANCHOR BOLT.

F.F. DENOTES FRONT FACE.



* LESS THAN STANDARD 3". SPECIAL BACKWALL FORMING MAY BE REQUIRED.

STEEL FIXED BEARING AT SOUTH ABUTMENT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY KGC/JWZ | PLANS CHK'D AEB

FIXED STEEL BEARING DETAILS

SHEET 13 OF 25

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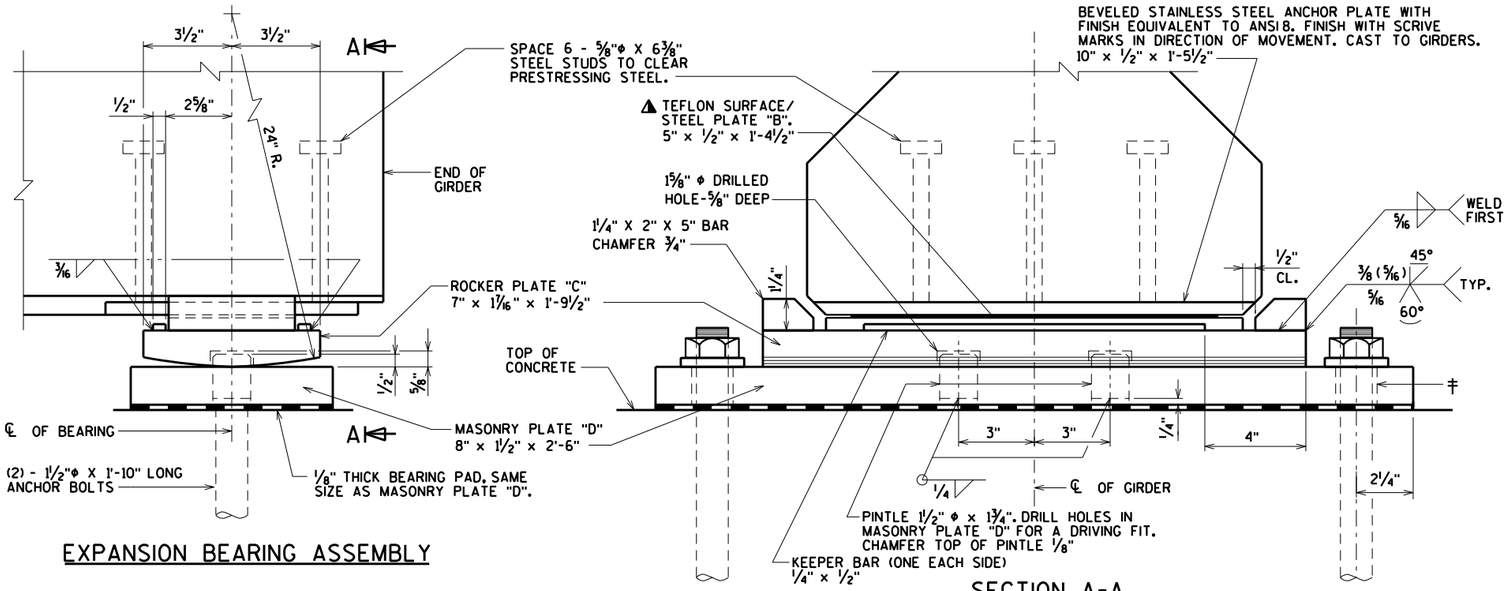


EXPANSION BEARING ASSEMBLY

SECTION A-A

BEARING NOTES

ALL BEARINGS ARE SYMMETRICAL ABOUT ℄ OF GIRDER AND ℄ OF BEARING.

ALL MATERIAL IN BEARINGS, BUT EXCLUDING STAINLESS STEEL PLATE, TEFLON SURFACE, 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". STEEL PLATE "B" SHALL BE SHOP PAINTED. DO NOT PAINT TEFLON SURFACE.

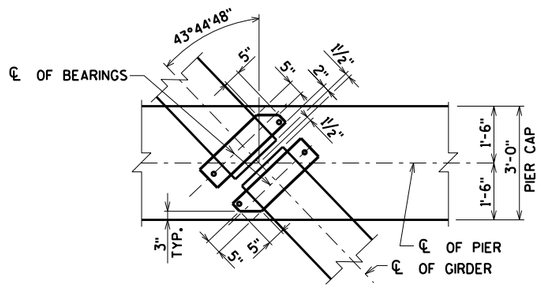
ALL MATERIAL IN "STEEL BEARINGS FOR PRESTRESSED CONCRETE GIRDERS", INCLUDING BEARING PADS, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "BEARING ASSEMBLIES EXPANSION B-13-164", EACH.

‡ DRILLED HOLES FOR ANCHOR BOLTS IN MASONRY PLATE "D" SHALL HAVE A DIAMETER ⅜" LARGER THAN ANCHOR BOLT.

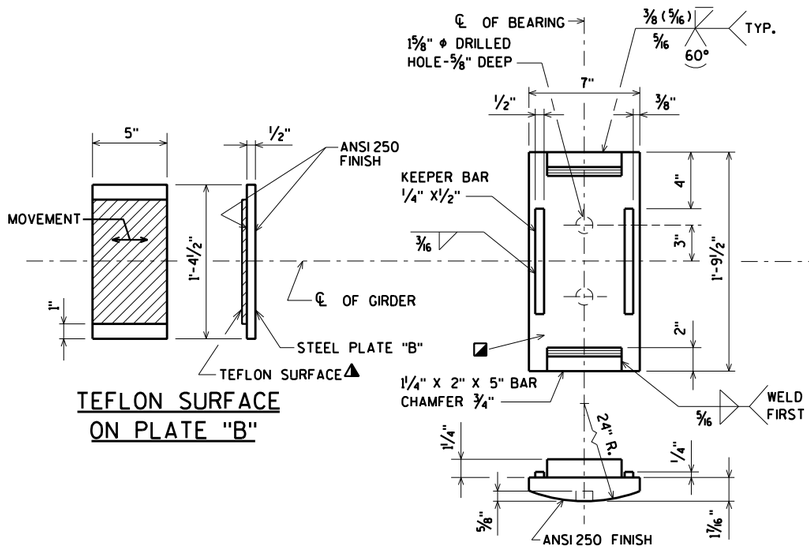
▲ TEFLON SURFACE, USE UNFILLED WITH MINIMUM 1/16" THICKNESS. PLACE WITH SCRIVE MARKS IN DIRECTION OF MOVEMENT. BOND STEEL PLATE "B" AND TEFLON WITH ADHESIVE MATERIAL MEETING FEDERAL SPECIFICATION MMM-A-134, FEP FILM OR EQUAL.

◪ PROVIDE A METHOD FOR HANDLING ROCKER PLATE "C" DURING GALVANIZING.

AT INSTALLATION, ENSURE STAINLESS STEEL SLIDING FACE OF THE UPPER ELEMENT AND THE TFE SLIDING FACE OF THE LOWER ELEMENT HAVE THE SURFACE FINISH SPECIFIED AND ARE CLEAN AND FREE OF ALL DUST, MOISTURE, AND OTHER FOREIGN MATTER.

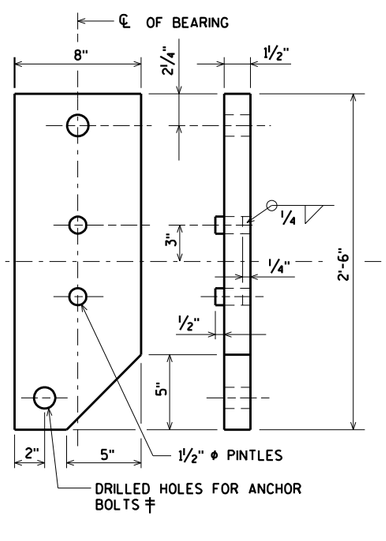


BEARING PLAN AT PIERS

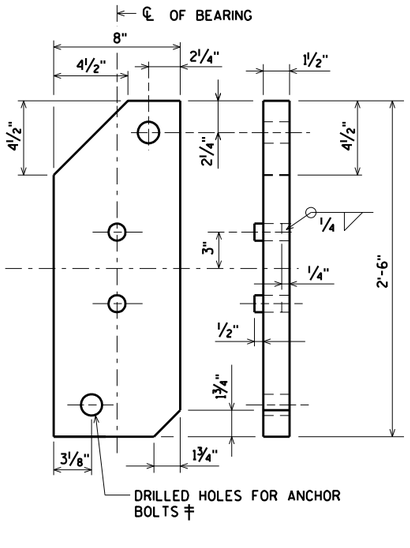


TEFLON SURFACE ON PLATE "B"

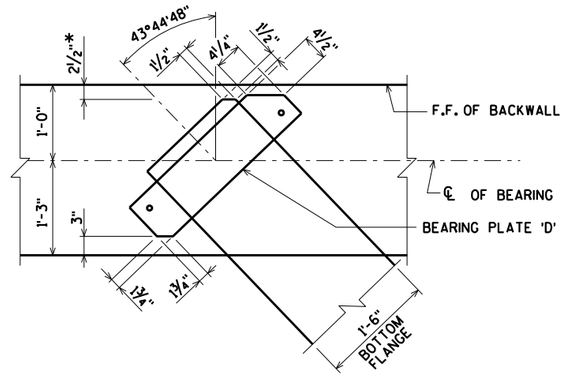
ROCKER PLATE "C" EXPANSION BEARING



MASONRY PLATE "D" AT PIERS



MASONRY PLATE "D" AT NORTH ABUTMENT



BEARING PLAN AT NORTH ABUTMENT

* LESS THAN STANDARD 3", SPECIAL BACKWALL FORMING MAY BE REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY CLS | PLANS CK'D. AEB

PRESTRESSED GIRDER STEEL BEARINGS

SHEET 14 OF 25
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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 CTH B\Bridge\B-13-164 brg.dgn

STATE PROJECT NUMBER
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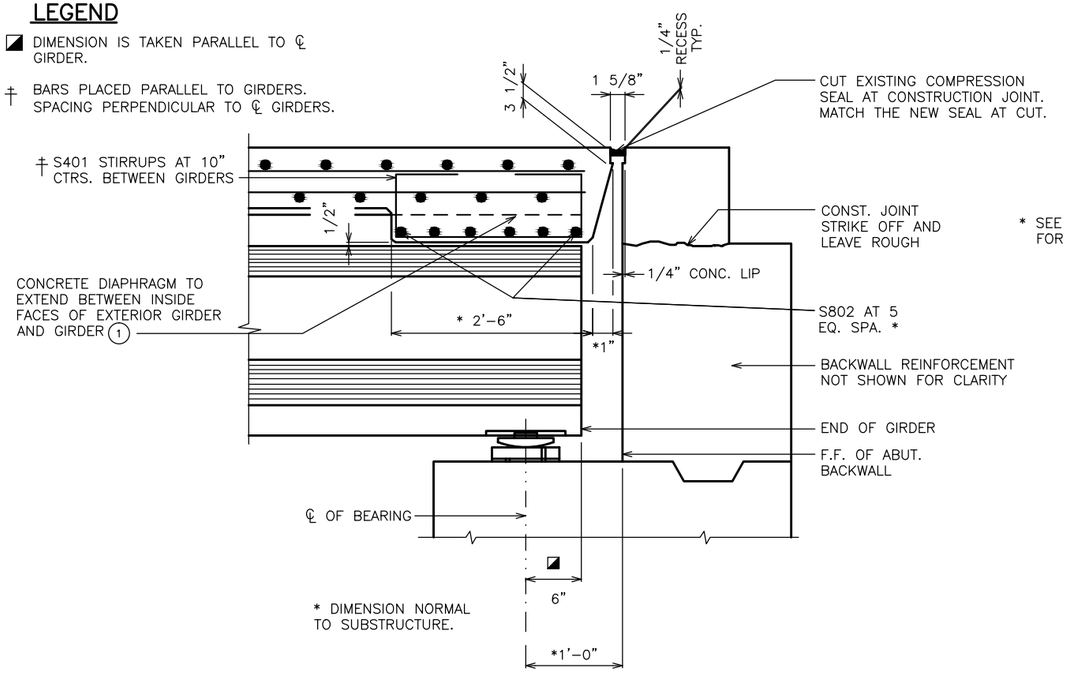
LEGEND

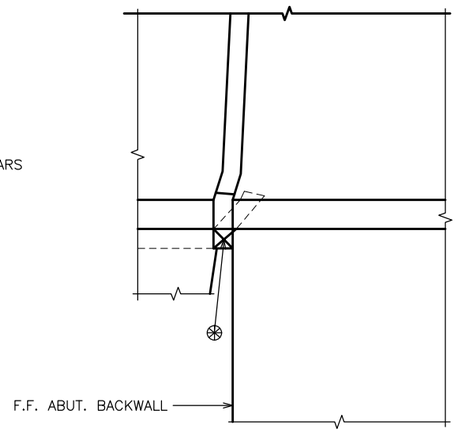
◪ DIMENSION IS TAKEN PARALLEL TO ℄ GIRDER.

‡ BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO ℄ GIRDERS.



* SEE SHEET 23 FOR BILL OF BARS

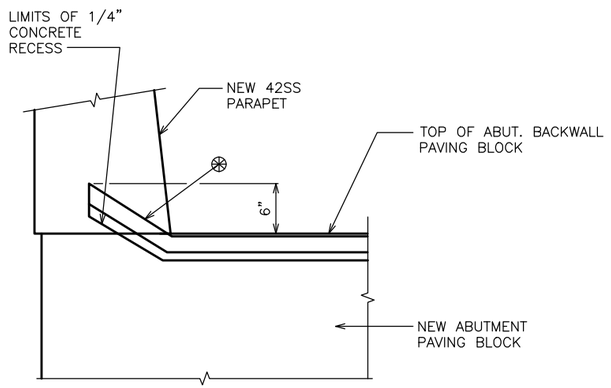
TYP. SECTION COMPRESSION SEAL



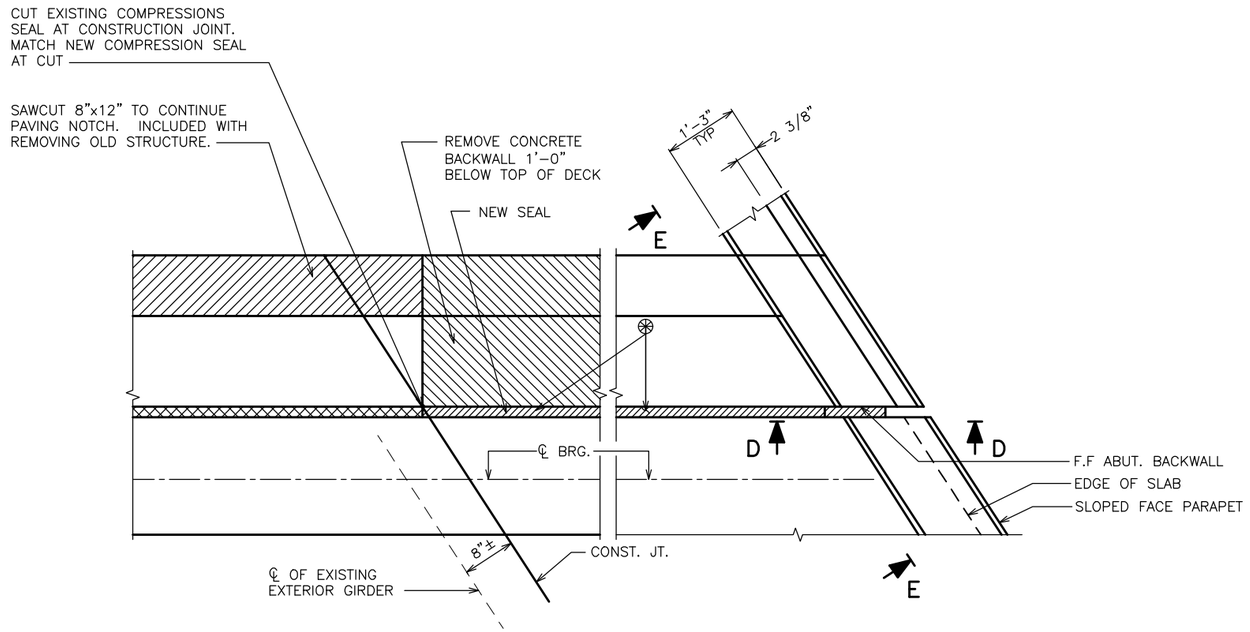
SECTION E–E

⊛ 2 1/2" NEOPRENE COMPRESSION SEAL. NO SPLICING PERMITTED. CAP ENDS OF NEOPRENE SEAL. (VERT. FACES OF JOINT OPENING SHALL BE VERT AND PARALLEL TO WITHIN 1/16" IN EVERY 10'–0") MANUF. TO FURNISH SEAL WITH TOP SURFACE LABELED.

F.F. DENOTES FRONT FACE.



SECTION D



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–164

DRAWN BY KGC/JWZ | PLANS CHK'D AEB

COMPRESSION SEAL JOINT DETAILS AT SOUTH ABUTMENT

SHEET 15 OF 25

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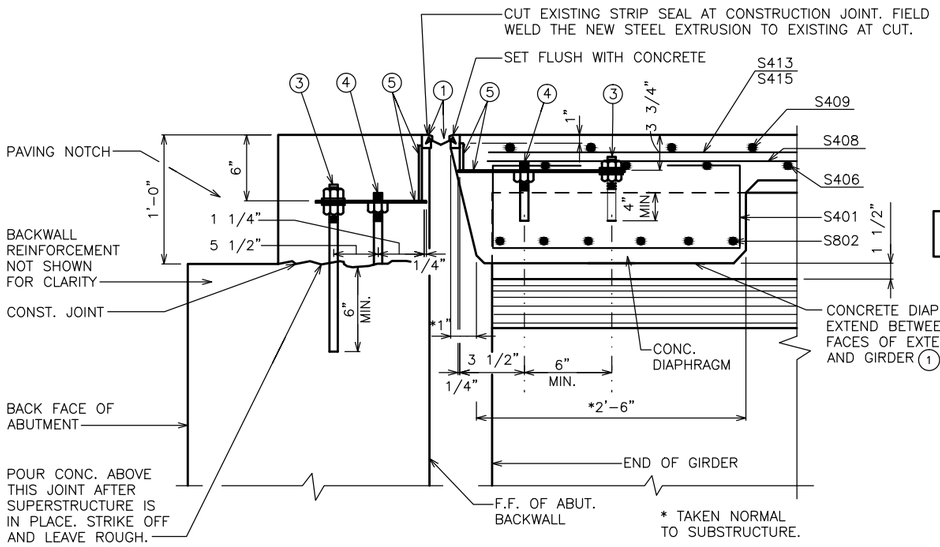
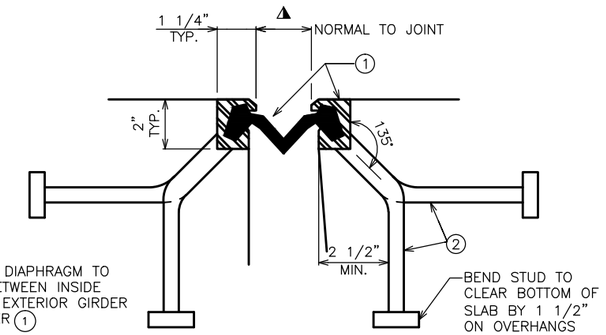
STATE PROJECT NUMBER
1007-10-88



TYPICAL SECTION THRU JOINT AT PRECAST GIRDER

NORMAL TO ℄ SUBSTRUCTURE



SECTION THRU JOINT

EXTERIOR GIRDER TO EDGE OF DECK, AND AT PARAPETS, AND BETWEEN GIRDER (1) AND CONSTRUCTION JOINT

LEGEND

▲ (1) NEOPRENE STRIP SEAL (4-INCH) AND STEEL EXTRUSIONS. SET JOINT OPENING AT 1 3/4"±. MATCH EXISTING OPENING AT TIME OF PLACEMENT.

(2) STUDS 5/8" DIA x 6 3/8" LONG AT 6" ALTERNATE CENTERS. WELD EXTRUSIONS AND BEND AS SHOWN AFTER WELDING.

(2A) 1/2" THICK ANCHOR PLATE WITH 5/8" 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) 3/4" DIA THREADED ROD WITH 2 NUTS AND PLATE WASHERS. GROUT THREADED ROD INTO FIELD DRILLED HOLES ON ℄ OF GIRDER. ON ABUTMENT SIDE, GROUT THREADED ROD INTO FIELD DRILLED HOLES IN ABUTMENT BACK WALL AS SHOWN.

(4) 3/4" DIA THREADED ROD WITH NUT. TACK WELD NUT TO NO. 5.

(5) FABRICATE SUPPORT FROM 3"x1/2" BAR AS SHOWN OR EQUIVALENT. ONE PER GIRDER PER SIDE. SHOP OR FIELD WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1 1/2" DIA HOLE FOR NO. 3 AND 1" DIA HOLE FOR NO. 4.

(6) GALVANIZED PLATE 3/8"x10"x2'-2" LONG WITH HOLES FOR NO. 7.

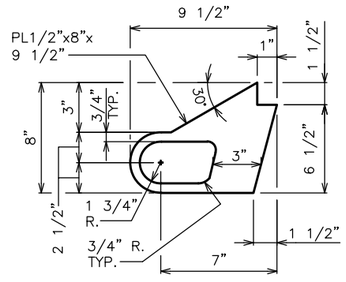
(7) 3/4" DIA x 1 1/2" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLE. RECESS 1/16" BELOW PLATE SURFACE.

(8) 3/4" DIA x 4" GALVANIZED HEX HEAD BOLT. BEND 45°.

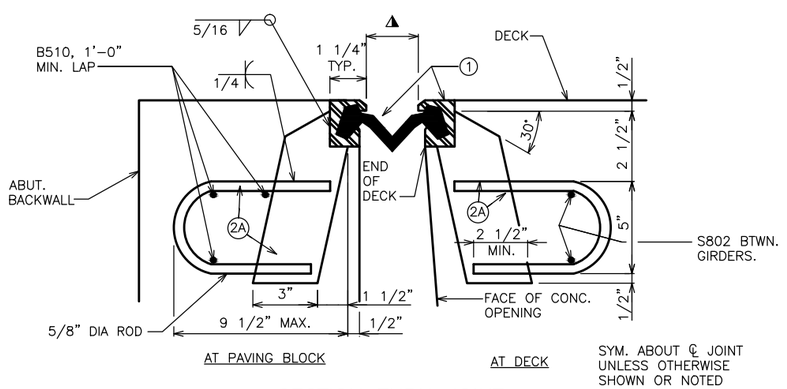
(9) 3/4" DIA x 2 1/4" GALVANIZED THREADED COUPLING.

(10) 1" x 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7. PLACE SLOT PARALLEL TO DIRECTION OF MOVEMENT.

(11) FIELD WELD TOP AND VERTICAL FACES OF EXISTING STEEL EXTRUSION TO NEW EXPANSION JOINT. GRIND OFF GALVANIZING FIELD WELD AND FIELD APPLY COLD GALVANIZE TREATMENT. SEAL JOINT BETWEEN RUBBER ELEMENTS WITH AN APPROVED JOINT SEALER. COST IS INCLUDED IN BID ITEM EXPANSION DEVICE B-13-164.

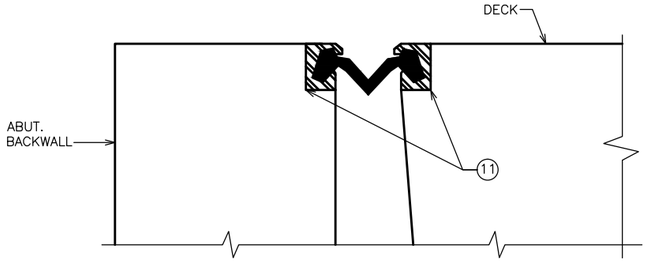


ALTERNATE STRIP SEAL ANCHOR

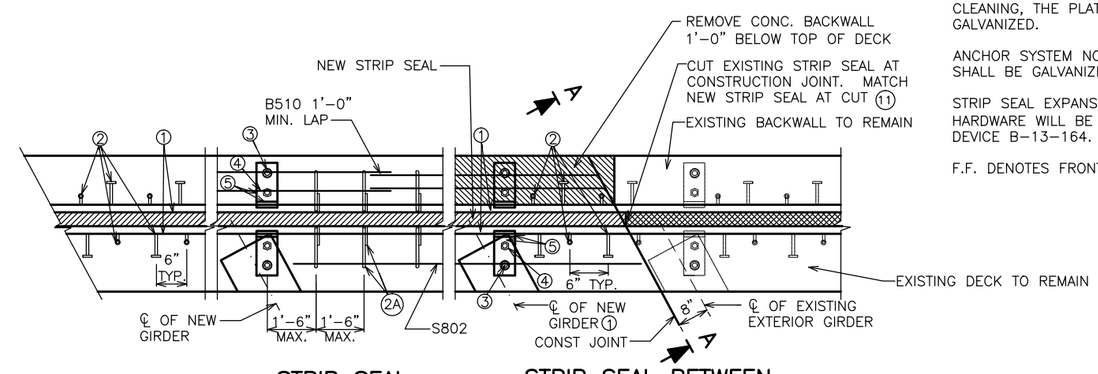


SECTION THRU JOINT

ROADWAY TRAFFIC AREA BETWEEN GIRDERS (1) AND (3)



SECTION A-A



STRIP SEAL AT NEW OVERHANG

STRIP SEAL BETWEEN NEW GIRDERS

STRIP SEAL BETWEEN NEW AND EXISITNG GIRDERS

PARTIAL PLAN

SEE SHEET 17 FOR DETAILS OF STRIP SEAL AT PARAPET

NOTES

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS, UNLESS MORE ARE REQUIRED FOR STAGED CONSTRUCTION, 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 AND SWEEP.

FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN AND SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES, SUPPORTS AND EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PLATES, SUPPORTS AND EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

ANCHOR SYSTEM NO. 8 AND NO. 9 SHALL CONFORM TO ASTM A307 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153 CLASS C AND D.

STRIP SEAL EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE WILL BE PAID FOR AT THE LUMP SUM PRICE BID FOR "EXPANSION DEVICE B-13-164.

F.F. DENOTES FRONT FACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY KGC/JWZ | PLANS CHK'D AEB

STRIP SEAL EXPANSION JOINT DETAILS AT NORTH ABUTMENT

SHEET 16 OF 25

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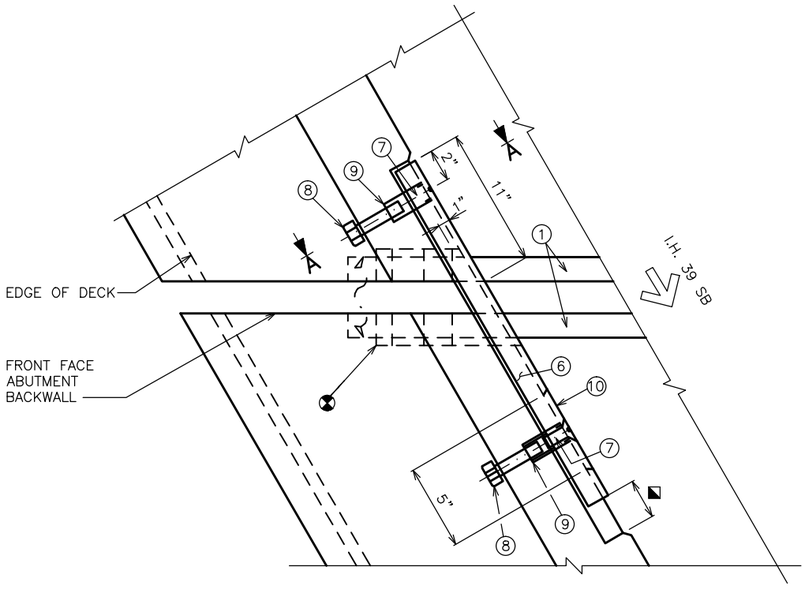
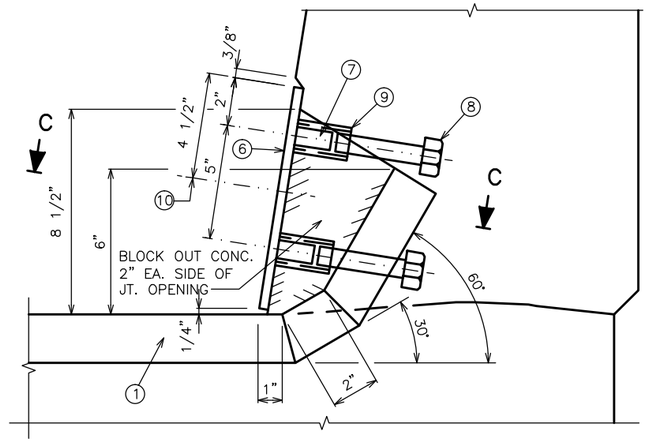


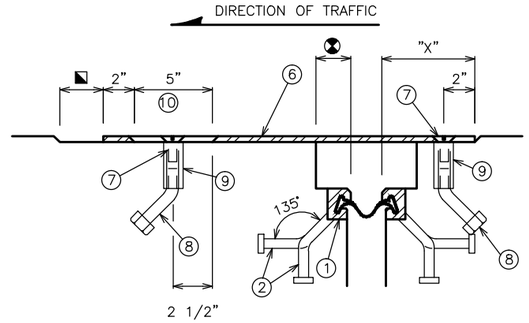
PLAN AT PARAPET

SINGLE SLOPE PARAPET

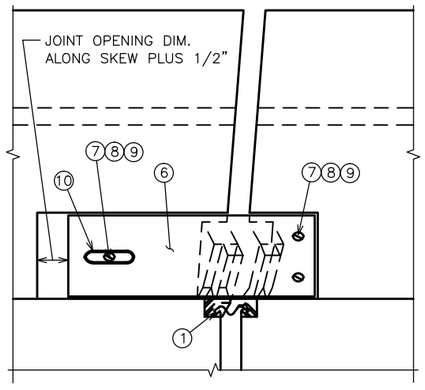


SECTION A-A

SINGLE SLOPE PARAPET



SECTION C-C



VIEW OF PARAPET PLATES FROM ROADWAY

SINGLE SLOPE PARAPET

BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING

JOINT OPENING DIM. ALONG SKEW PLUS 1/2"

* SEE SHEET 16 FOR LEGEND AND NOTES

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY KGC/JWZ | PLANS CHK'D AEB

STRIP SEAL EXPANSION JOINT DETAILS AT NORTH ABUTMENT

SHEET 17 OF 25

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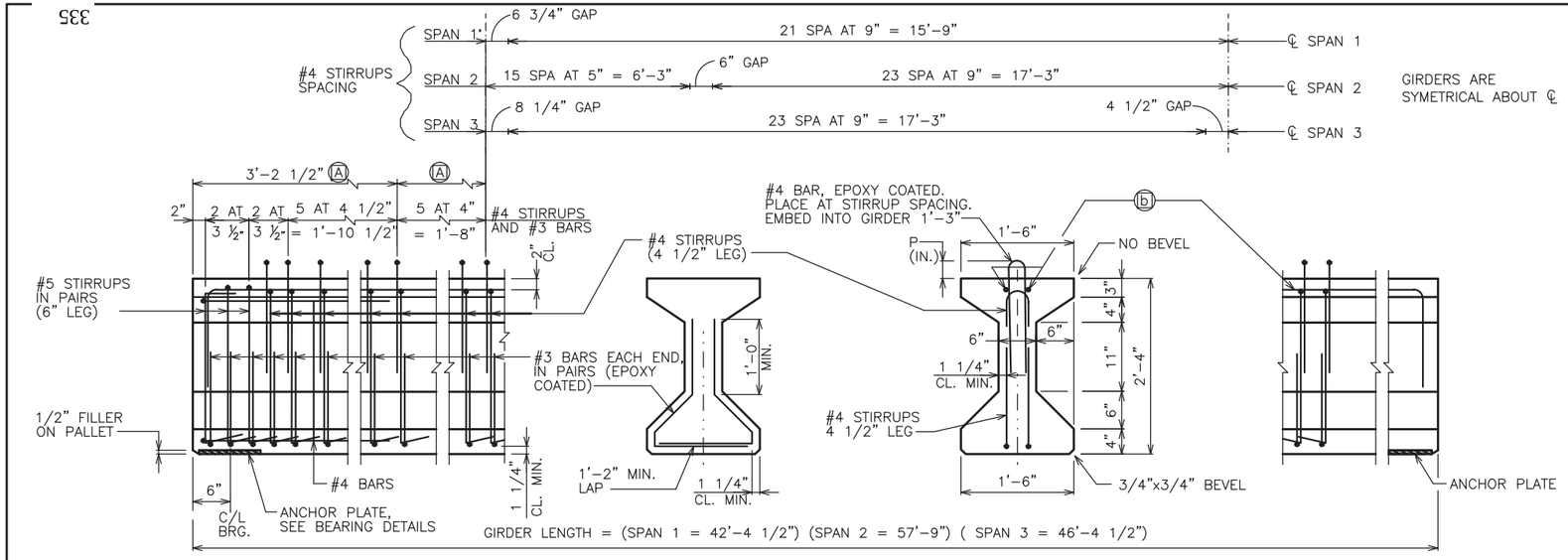


SIDE VIEW & TYPICAL SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ (2) #4 BARS BEND DOWN 16 BAR DIA. AT ENDS

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 2" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 2" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER 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.

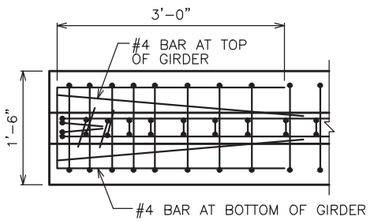
AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A497 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

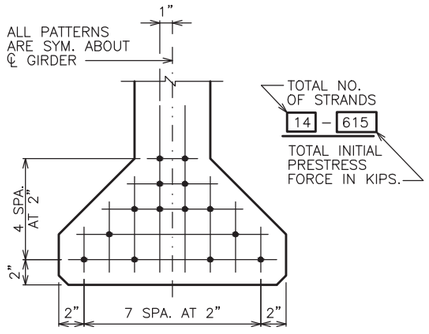
BEND EACH END OF #4 STIRRUPS 4 1/2" AND #5 STIRRUPS 6".

FOR DIAPHRAGM INSERT AND CONNECTION DETAILS SEE SHEET 19.

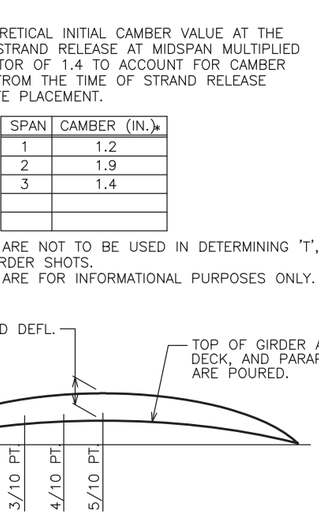
2 3/4" AVERAGE HAUNCH HEIGHT WAS USED FOR CONCRETE MASONRY QUANTITY COMPS. HAUNCH HEIGHT VARIES DUE TO RESIDUAL CAMBER.



TOP VIEW OF GIRDER ENDS



TYP. STRAND PATTERN



CONCRETE HAUNCH DETAIL

** NOTIFY THE STRUCTURES SECTION IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

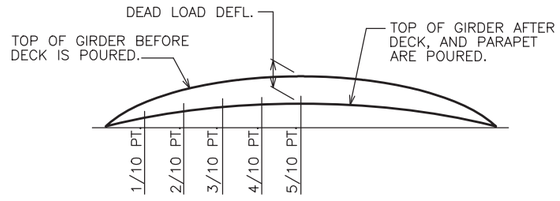
TO DETERMINE 'T': AFTER ALL PRESTRESSED GIRDERS HAVE BEEN ERECTED, ELEVATIONS OF TOP OF GIRDER SHALL BE TAKEN AT CENTERLINE OF BEARINGS AND AT TENTH POINTS OF EACH SPAN.

TOP OF DECK ELEVATION AT FINAL GRADE
-TOP OF GIRDER ELEVATION AFTER PLACEMENT
+CONCRETE ONLY DEFLECTION: DOWNWARD DEFLECTION IS ADDED. UPWARD DEFLECTION IS SUBTRACTED
-SLAB THICKNESS (8")
=HAUNCH THICKNESS 'T'

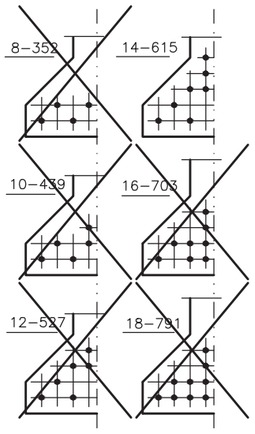
* THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.)*
1	1.2
2	1.9
3	1.4

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.
THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

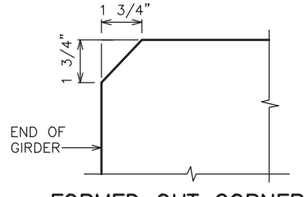


DEAD LOAD DEFLECTION DIAGRAM



UNDRAPED PATTERN

0.6"| STRANDS



FORMED OUT CORNERS AT ABUTMENTS

*MINIMUM CYLINDER STRENGTH OF CONCRETE AT 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	1,2,3	42'-4 1/2"	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.1	8,000	7	6	7	.6							14	6,400
2	1,2,3	57'-9"	0.3	0.5	0.8	0.9	0.9	0.9	0.8	0.5	0.3	8,000	7	6	7	.6							14	6,400
3	1,2,3	46'-4 1/2"	0.1	0.2	0.3	0.4	0.4	0.4	0.3	0.2	0.1	8,000	7	6	7	.6							14	6,400

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY KGC/JWZ | PLANS CHK'D AEB

28" PRESTRESSED GIRDER DETAILS

SHEET 18 OF 25

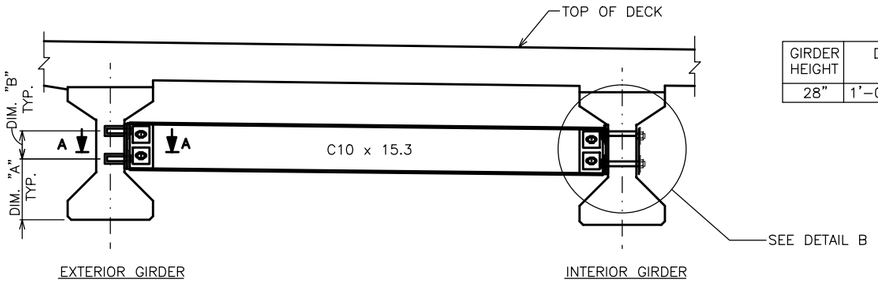
335

8

8

STATE PROJECT NUMBER

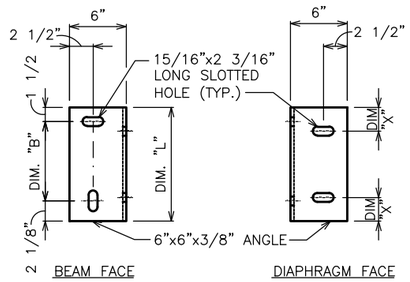
1007-10-88



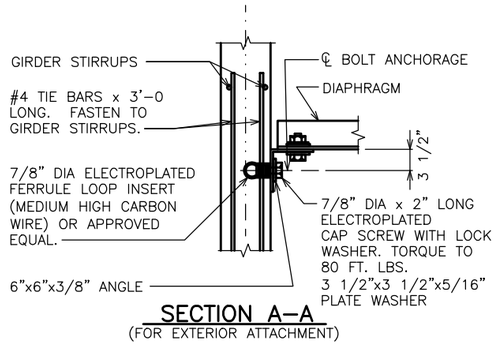
TABLE

GIRDER HEIGHT	DIM. "A"	DIM. "B"	DIM. "L"	* DIM. "X"
28"	1'-0 7/8"	5 7/8"	9 1/2"	2 1/4"

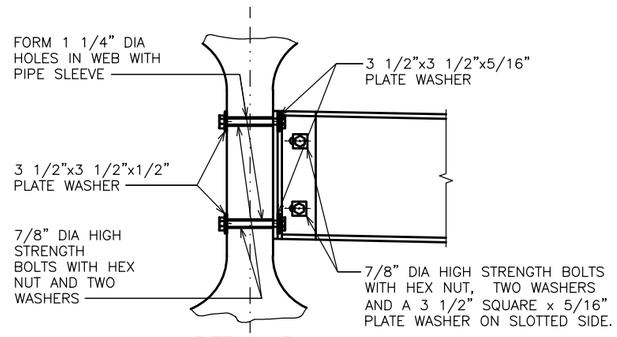
PART TRANSVERSE SECTION AT DIAPHRAGM



DIAPHRAGM SUPPORT

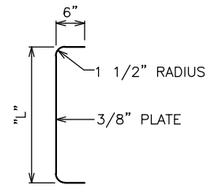


SECTION A-A
(FOR EXTERIOR ATTACHMENT)



DETAIL B

SECTION AT INTERIOR GIRDERS THRU DIAPHRAGM



SECTION THRU ALTERNATE DIAPHRAGM
*DIM "X" = 2 1/2" FOR ALTERNATE PLATE DIAPHRAGM

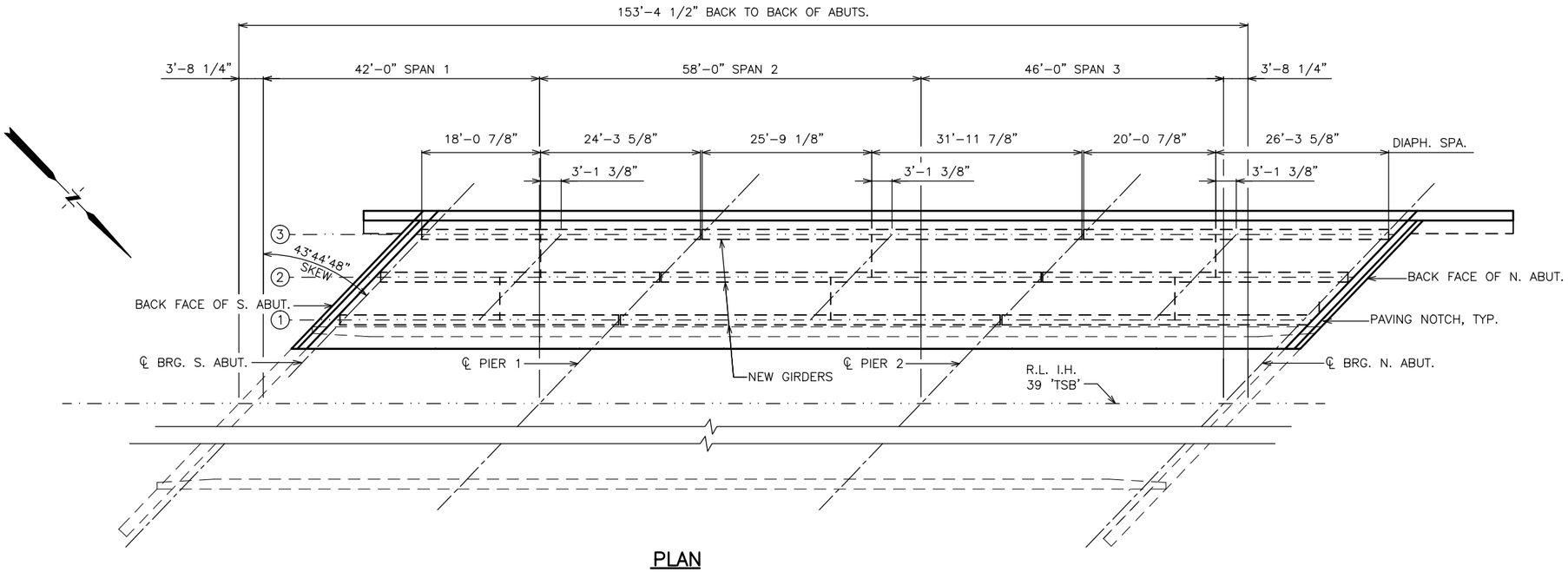
NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-164, EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36. ALL BOLTS, NUTS AND WASHERS SHALL BE ASTM A325 TYPE 1.

ALL DIAPHRAGM STRUCTURAL STEEL SHOWN SHALL BE HOT-DIPPED GALVANIZED. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C. GALVANIZED NUTS SHALL BE TAPPED OVERSIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A563 AND SHALL MEET THE REQUIREMENTS OF SUPPLEMENTARY REQUIREMENT S1 OF ASTM A563, LUBRICANT AND TEST FOR COATED NUTS.



PLAN
SHOWING DIAPH. SPACING

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY KGC/JWZ | PLANS CHK'D AEB

STEEL DIAPHRAGM DETAILS

SHEET 19 OF 25

336

STATE PROJECT NUMBER
1007–10–88

TOP OF DECK ELEVATIONS (FEET)

SPAN	DESCRIPTION	C/L BRG. S. ABUT.	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L PIER 1
1	SURVEY PGL	981.37	981.39	981.42	981.44	981.46	981.49	981.51	981.53	981.56	981.58	981.60
1	NEW GIRDER 1	981.35	981.37	981.39	981.42	981.44	981.46	981.49	981.51	981.53	981.56	981.58
1	NEW GIRDER 2	981.32	981.34	981.36	981.39	981.41	981.43	981.46	981.48	981.50	981.53	981.55
1	NEW GIRDER 3	981.29	981.31	981.33	981.36	981.38	981.40	981.43	981.45	981.47	981.50	981.52
1	WEST EDGE OF DECK	981.27	981.30	981.32	981.34	981.37	981.39	981.41	981.44	981.46	981.48	981.51
SPAN	DESCRIPTION	C/L PIER 1	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L PIER 2
2	SURVEY PGL	981.60	981.63	981.67	981.70	981.73	981.76	981.80	981.83	981.86	981.89	981.92
2	NEW GIRDER 1	981.58	981.61	981.64	981.68	981.71	981.74	981.77	981.80	981.84	981.87	981.90
2	NEW GIRDER 2	981.55	981.58	981.61	981.65	981.68	981.71	981.74	981.77	981.81	981.84	981.87
2	NEW GIRDER 3	981.52	981.55	981.58	981.62	981.65	981.68	981.71	981.74	981.78	981.81	981.84
2	WEST EDGE OF DECK	981.51	981.54	981.57	981.60	981.64	981.67	981.70	981.73	981.77	981.80	981.83
SPAN	DESCRIPTION	C/L PIER 2	1/10 PT	2/10 PT	3/10 PT	4/10 PT	5/10 PT	6/10 PT	7/10 PT	8/10 PT	9/10 PT	C/L BRG. N. ABUT
3	SURVEY PGL	981.92	981.95	981.97	982.00	982.03	982.05	982.08	982.10	982.13	982.15	982.18
3	NEW GIRDER 1	981.90	981.93	981.95	981.98	982.00	982.03	982.05	982.08	982.11	982.13	982.16
3	NEW GIRDER 2	981.87	981.90	981.92	981.95	981.97	982.00	982.02	982.05	982.07	982.10	982.13
3	NEW GIRDER 3	981.84	981.87	981.89	981.92	981.94	981.97	981.99	982.02	982.04	982.07	982.10
3	WEST EDGE OF DECK	981.83	981.85	981.88	981.91	981.93	981.96	981.98	982.01	982.03	982.06	982.08

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–164

DRAWN BY KGC/JWZ | PLANS CHK'D AEB

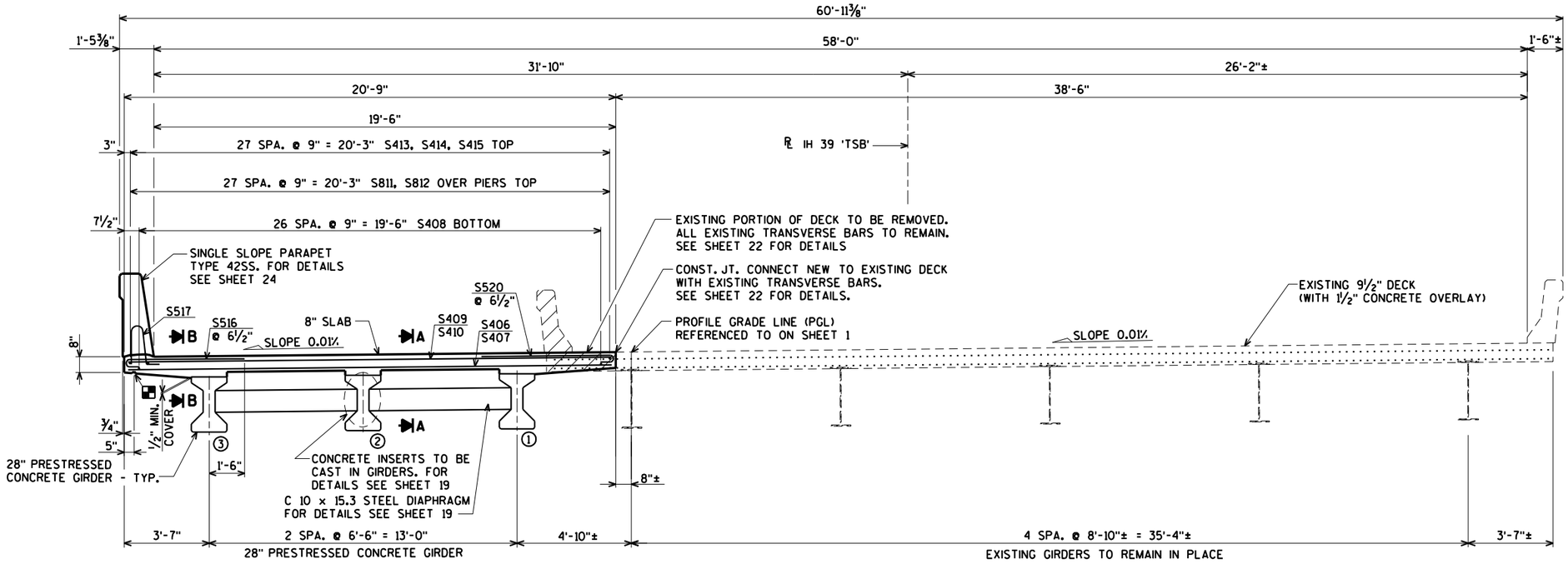
DECK ELEVATIONS

SHEET 20 OF 25

337

STATE PROJECT NUMBER

1007-10-88

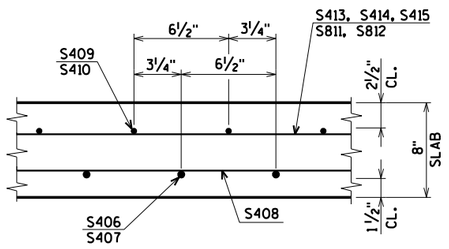


TYPICAL CROSS SECTION THRU BRIDGE

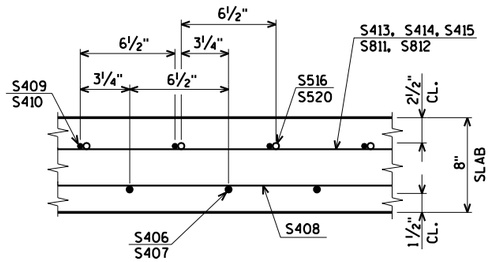
(LOOKING NORTH)

¾" V - GROOVE TERMINATE 2'-0" FROM FRONT FACE OF ABUTMENTS - TYP.

FULL DEPTH DECK REPAIR TO BE USED ON EXISTING DECK AS DIRECTED BY FIELD ENGINEER.



SECTION A



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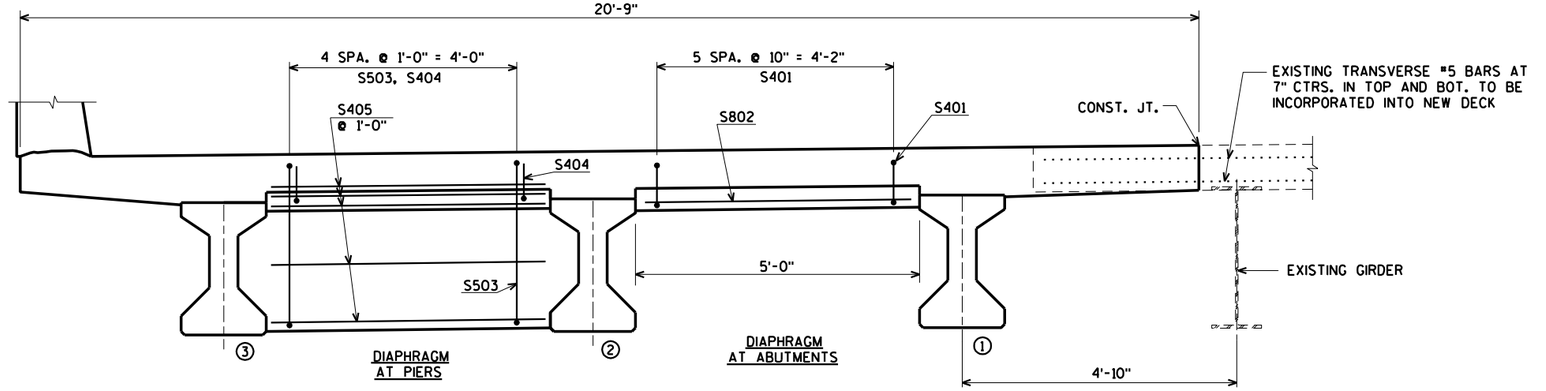

DIAPHRAGM AT PIERS

DIAPHRAGM AT ABUTMENTS

PARTIAL SECTION THRU BRIDGE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY CLS | PLANS CK'D. AEB

SUPERSTRUCTURE

SHEET 21 OF 25
338

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
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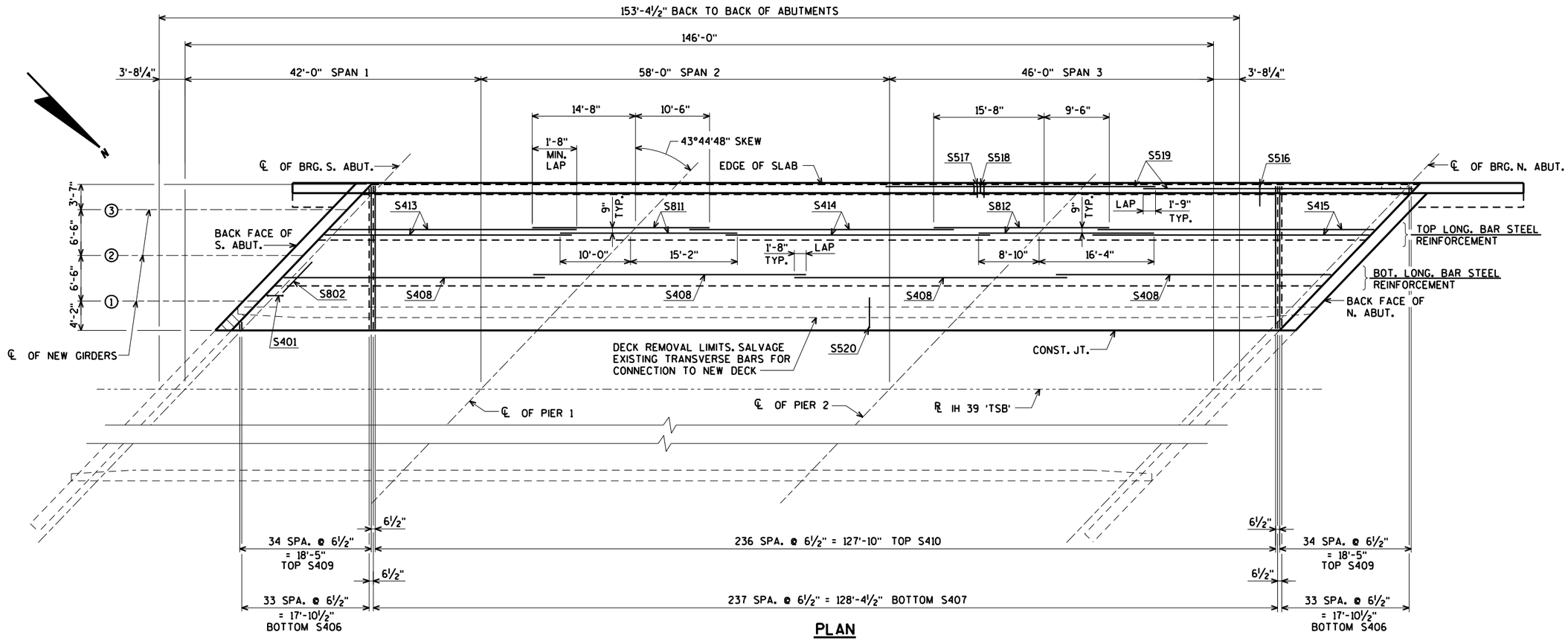
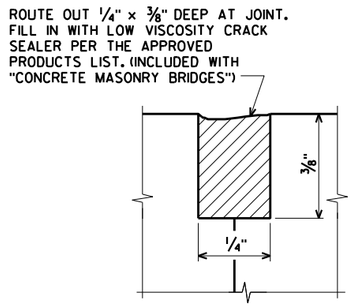
STATE PROJECT NUMBER

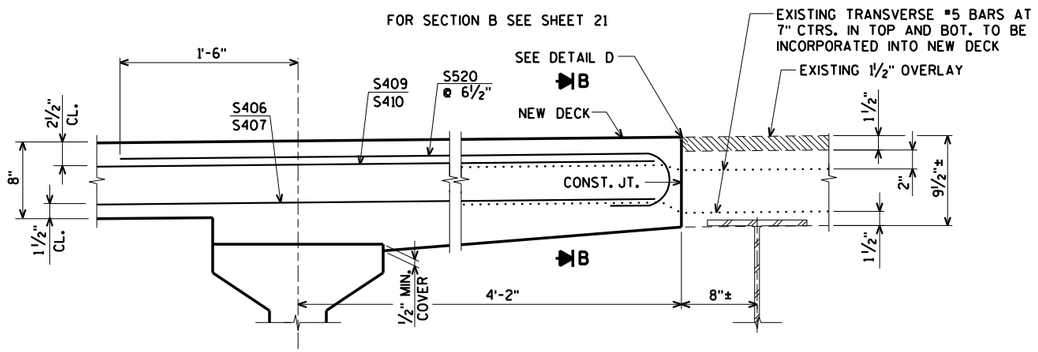
1007-10-88



PLAN



DETAIL D



LONGITUDINAL CONSTRUCTION JOINT DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY CLS | PLANS CK'D. AEB

SUPERSTRUCTURE PLAN

SHEET 22 OF 25
339

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
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1/18/2017

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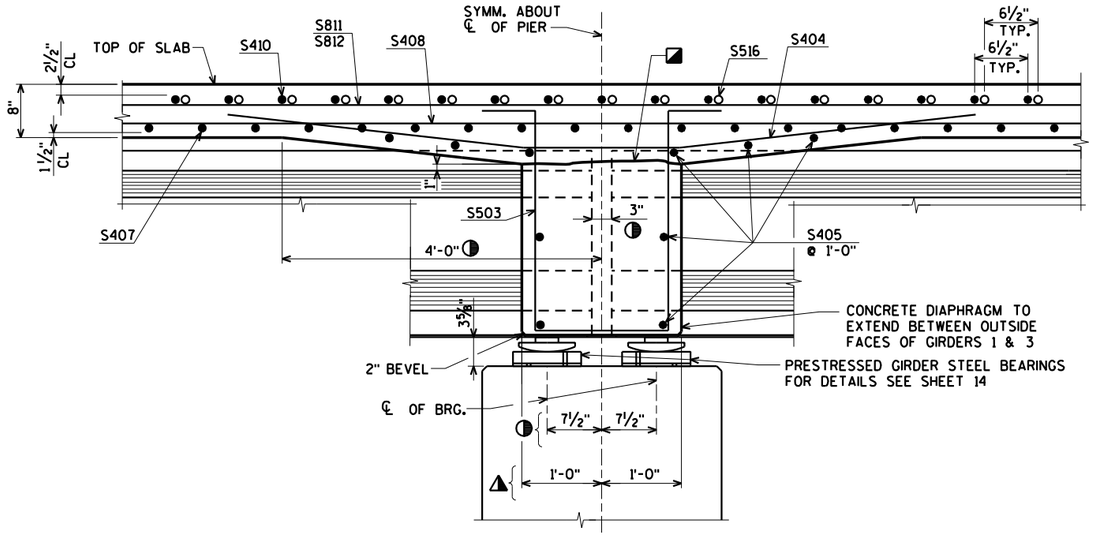
STATE PROJECT NUMBER

1007-10-88



DIAPHRAGM AT STEEL BEARINGS AT PIERS

▲ DIMENSIONS MEASURED NORMAL TO ℄ OF SUBSTRUCTURE UNIT.

◑ DIMENSIONS MEASURED ALONG ℄ OF GIRDER.

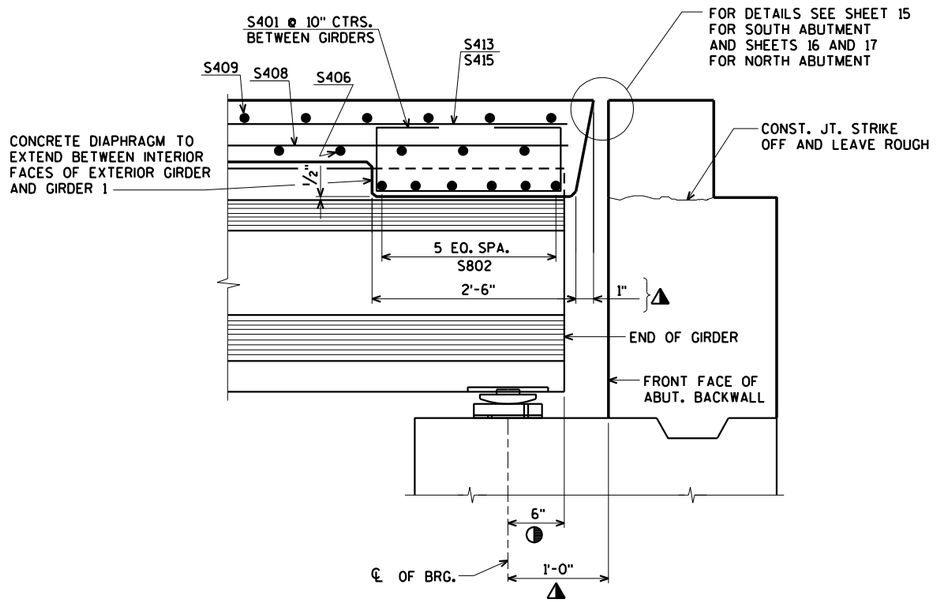
◪ OPTIONAL CONSTRUCTION JOINT BELOW TOP OF GIRDER. IF USED, DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF THE DIAPHRAGM POUR.

BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR SERIES	24,150# COATED LOCATION
S401	X	24	4-7	X		DIAPH. @ ABUT.
S802	X	24	6-5			DIAPH. @ ABUT.
S503	X	20	8-4	X		DIAPH. @ PIERS VERT.
S404	X	20	10-7	X		DIAPH. @ PIERS VERT.
S405	X	40	6-5			DIAPH. @ PIERS HORIZ.
S406	X	68	10-8			⊗ SLAB TRANS. BOT. SPANS 1 & 3
S407	X	238	20-5			SLAB TRANS. BOT.
S408	X	108	38-4			SLAB LONG. BOT.
S409	X	70	10-8			⊗ SLAB TRANS. TOP SPANS 1 & 3
S410	X	237	20-5			SLAB TRANS. TOP
S811	X	28	25-2			SLAB LONG. TOP @ PIER 1
S812	X	28	25-2			SLAB LONG. TOP @ PIER 2
S413	X	28	35-1			SLAB LONG. TOP @ SPAN 1
S414	X	28	37-4			SLAB LONG. TOP @ SPAN 2
S415	X	28	39-1			SLAB LONG. TOP @ SPAN 3
S516	X	270	5-6	X		SLAB TRANS. OVERHANG
S517	X	222	4-5	X		PARAPET VERT.
S518	X	222	6-8	X		PARAPET VERT.
S519	X	32	38-4			PARAPET HORIZ.
S520	X	270	6-1	X		SLAB TRANS. CONST. JOINT

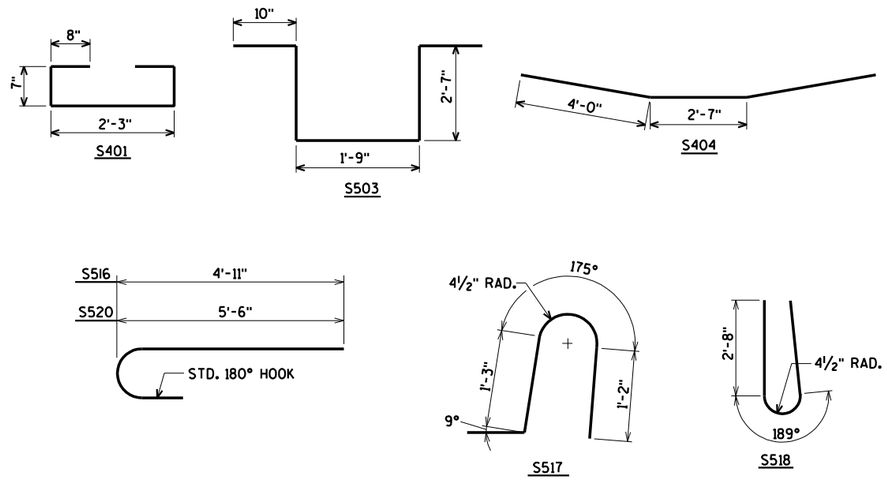
BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

⊗ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.



FIXED AND EXPANSION END DIAPHRAGM AT ABUTMENTS

SOUTH ABUTMENT - STEEL FIXED BEARING
NORTH ABUTMENT - PRESTRESSED GIRDER STEEL BEARING



BAR SERIES TABLE

BAR MARK	NO REQ'D.	LENGTH
S406	2 SERIES OF 34	1'-4" TO 20'-0"
S409	2 SERIES OF 35	1'-0" TO 20'-4"

BUNDLE AND TAG EACH SERIES SEPARATELY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY CLS | PLANS CK'D. AEB

SUPERSTRUCTURE DETAILS AND BILL OF BARS

SHEET 23 OF 25
340

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

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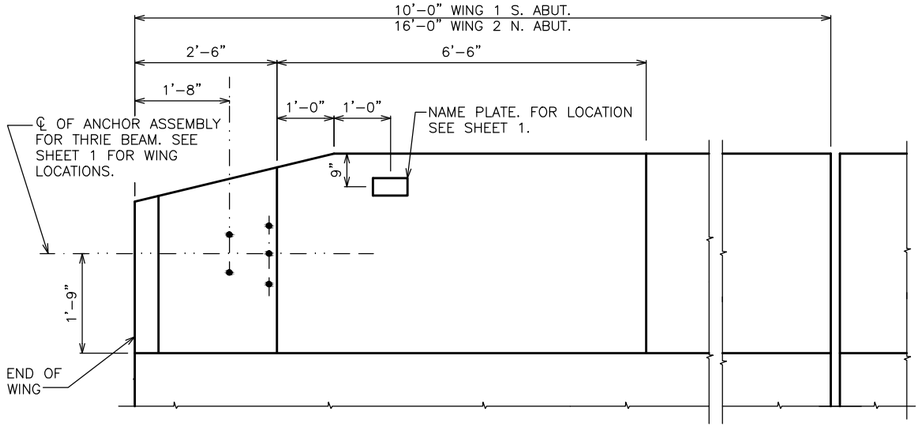
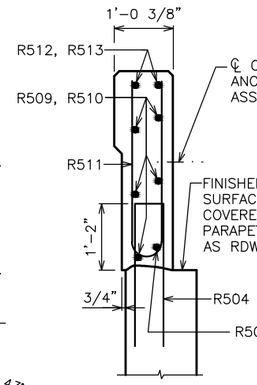
STATE PROJECT NUMBER

1007-10-88

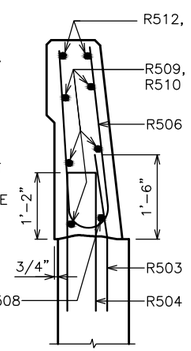


INSIDE ELEVATION

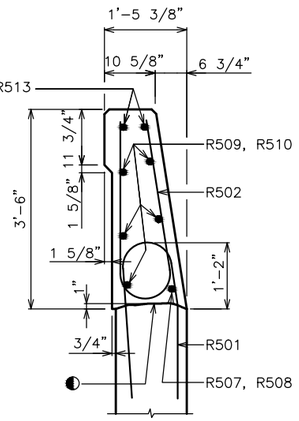
(WING 1 SHOWN, WING 2 SIMILAR)



SECTION A



SECTION B



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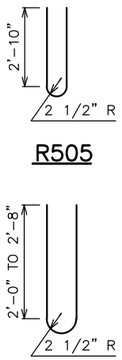


R505

R511

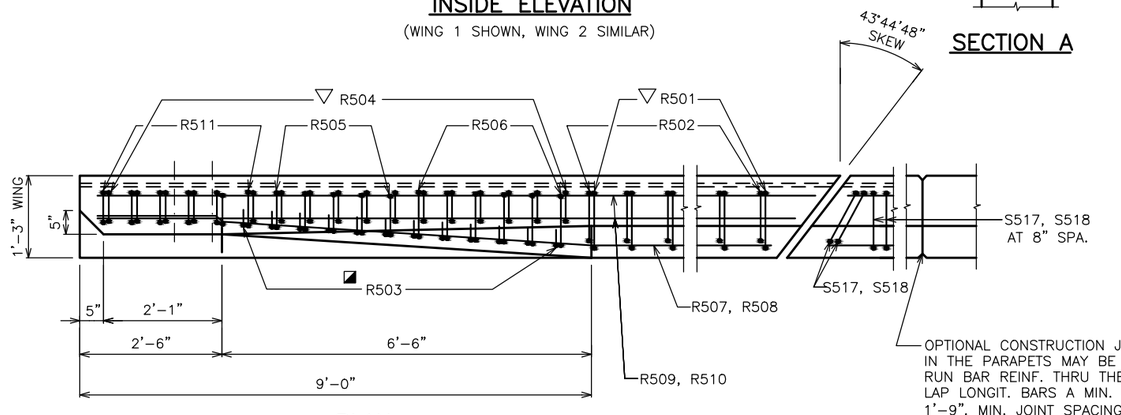
WEIGHTS INCLUDED IN ABUTMENT WEIGHT SHOWN ON SHEET 3, 7, AND 10.

BILL OF BARS

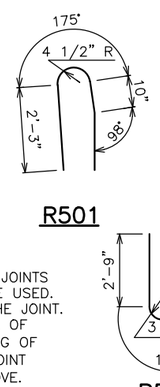
FOR ABUTMENT PARAPETS

S. ABUT. COATED: 360 LBS
N. ABUT. COATED: 510 LBS

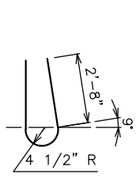
BAR MARK	COAT	S. ABUT.	N. ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	3	11	5-10	X		PARAPET-VERT.
R502	X	3	11	6-8	X		PARAPET-VERT.
R503	X	11	11	3-0	X		PARAPET-VERT.
R504	X	17	17	5-7	X		PARAPET-VERT.
R505	X	5	5	6-5	X		PARAPET-VERT.
R506	X	6	6	6-6	X		PARAPET-VERT.
R507	X	--	1	15-7	X		PARAPET-HORIZ.
R508	X	1	--	9-7	X		PARAPET-HORIZ.
R509	X	--	5	15-8			PARAPET-HORIZ.
R510	X	5	--	9-8			PARAPET-HORIZ.
R511	X	6	6	5-5	X	⚠	PARAPET-VERT.
R512	X	--	2	15-7	X		PARAPET-HORIZ.
R513	X	2	--	9-7	X		PARAPET-HORIZ.



PLAN



R501



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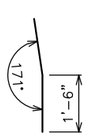
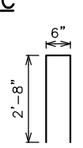


R503



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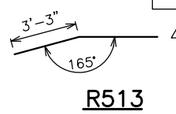


R513

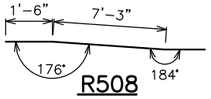
⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

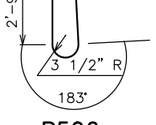
BAR SERIES TABLE

MARK	NO. REQ'D	LENGTH
R511	2 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.



R512



R506

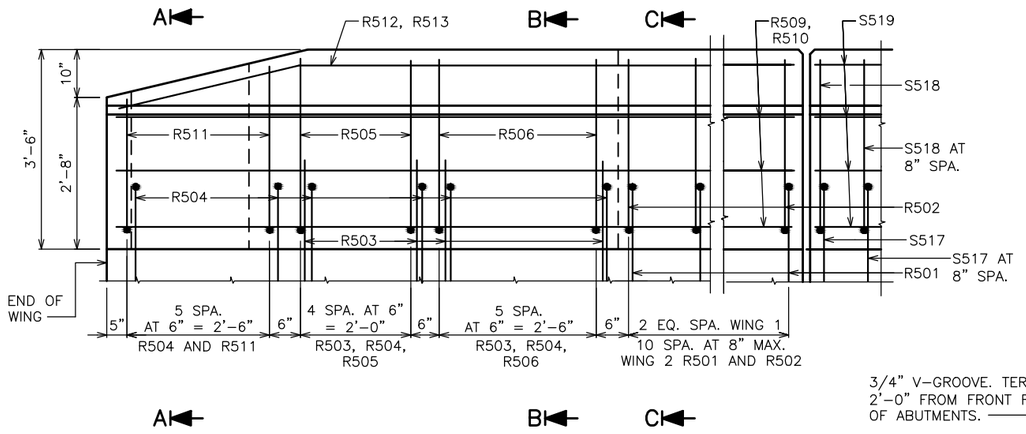
R507

R508

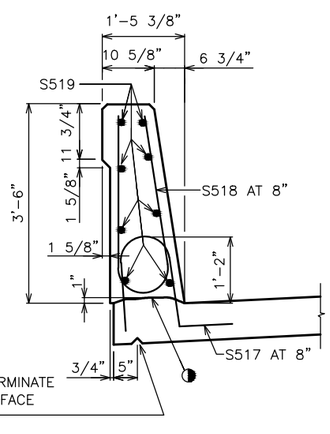
◐ CONST. JOINT - STRIKE OFF AS SHOWN.

◪ R503 BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

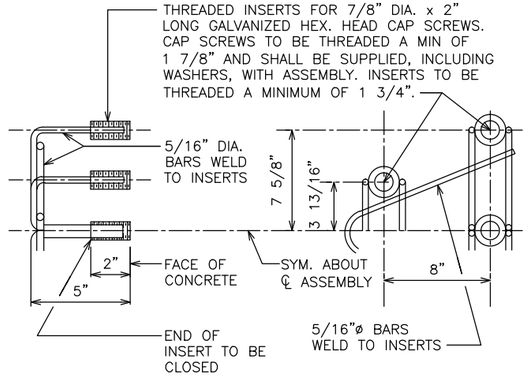
▽ R501 AND R504 BARS TO BE TIED TO WING STEEL BEFORE WING IS POURED.



OUTSIDE ELEVATION



SECTION THRU PARAPET ON BRIDGE



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX. HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-164

DRAWN BY KGC/JWZ | PLANS CHK'D AEB

SINGLE SLOPE PARAPET 42SS

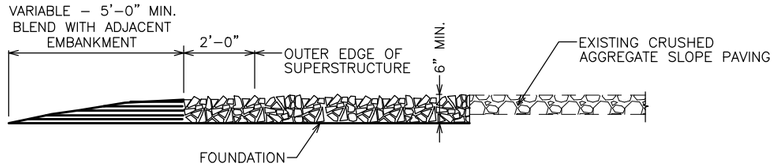
SHEET 24 OF 25

341

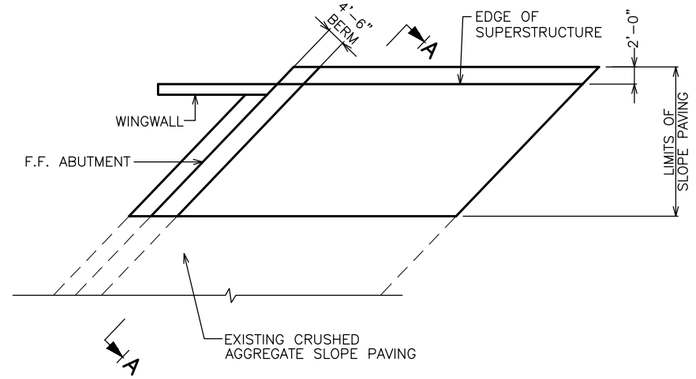
8

8

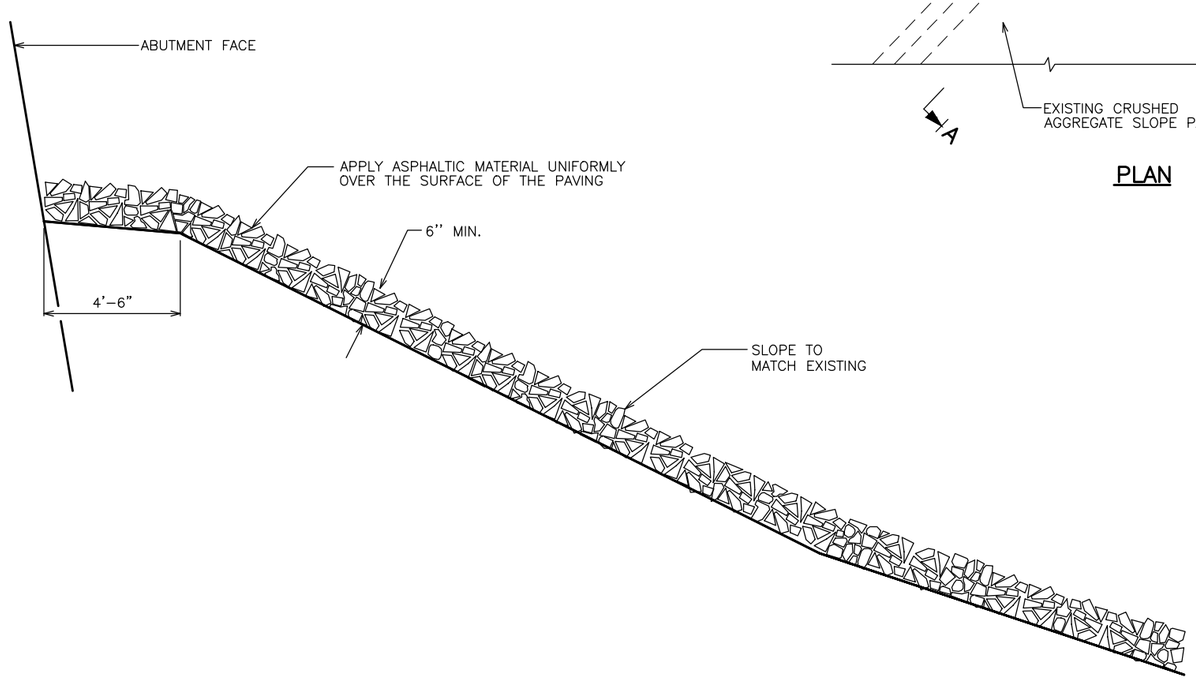
STATE PROJECT NUMBER
1007–10–88



SECTION A–A



PLAN



STANDARD CROSS SECTION THRU CRUSHED AGGREGATE

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.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B–13–164

DRAWN BY KGC | PLANS CHK'D AEB

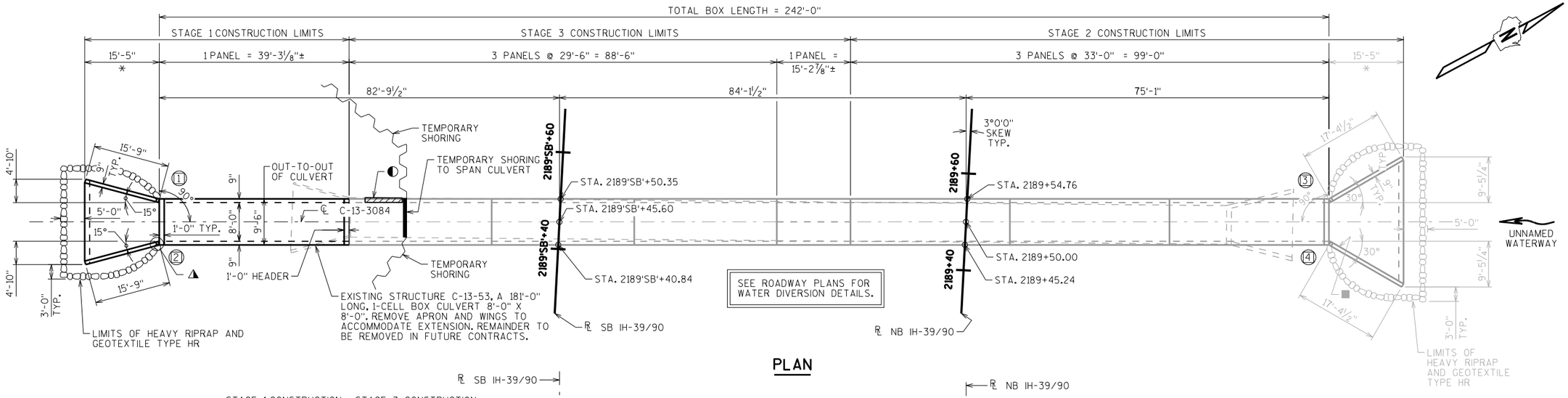
SLOPE PAVING
CRUSHED AGGREGATE

SHEET 25 OF 25

342

STATE PROJECT NUMBER

1007-10-88



▲ 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

◐ REMOVE PORTION OF EXISTING WALL AND DIVERT FLOW AS NEEDED. SEE "QUANTITIES & GENERAL NOTES" SHEET FOR DETAILS.

■ 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 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

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher AMB — CHIEF STRUCTURES DESIGN ENGINEER — 2/1/17 DATE

STRUCTURE C-13-3084 STG 1

IH-39/90 OVER UNNAMED WATERWAY

COUNTY: DANE — TOWN/~~CITY/VILLAGE~~: PLEASANT SPRINGS

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
ABS	NAR	ABS	NAR

GENERAL PLAN

SHEET 1 OF 5

343

I.D. 1007-10-01V

DATE: OCT. 2016

SCALE = 11

8

8

STATE PROJECT NUMBER

1007-10-88

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	254	TON
☆	311.0115	BREAKER RUN	74	CY
	504.0100	CONCRETE MASONRY CULVERTS	54	CY
	505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	6,670	LB
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	1,540	LB
	509.2000	FULL-DEPTH DECK REPAIR	3	SY
	511.1200	TEMPORARY SHORING C-13-3084	270	SF
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	9	SY
	606.0300	RIPRAP HEAVY	17	CY
	645.0105	GEOTEXTILE TYPE C	144	SY
	645.0120	GEOTEXTILE TYPE HR	52	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 ADDITIONAL COFFERDAM CONCEPT DETAILS.

⚠ 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.

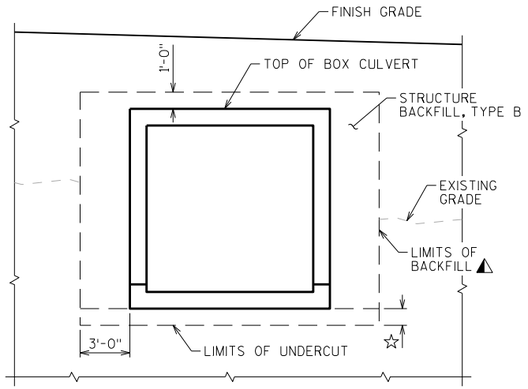
THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

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.

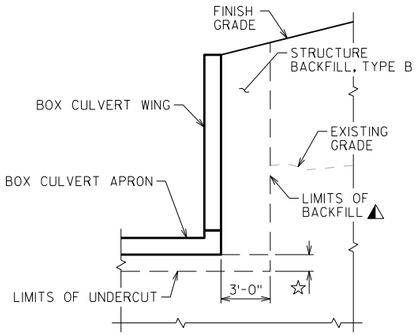
IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COURSE AGGREGATE, SELECT CRUSHED MATERIAL, OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE 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.

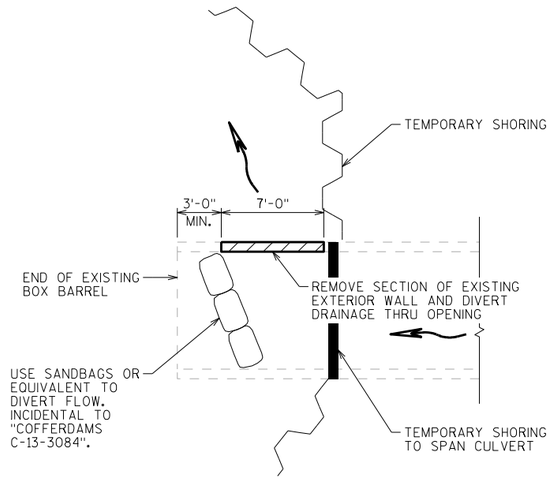
☆ UNDER CUT 2'-0". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".



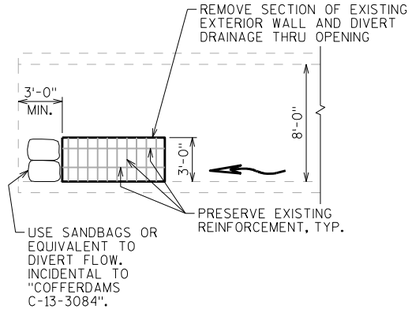
TYPICAL SECTION THRU BOX CULVERT WING

⚠ 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 2'-0". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".



PLAN VIEW



ELEVATION VIEW

CULVERT WALL REMOVAL AND REPLACEMENT DETAIL

REMOVAL OF WALL SECTION TO BE INCLUDED IN "REMOVING OLD STRUCTURE STA. 2189+50" BID ITEM.

REPLACEMENT OF WALL SECTION TO BE INCLUDED IN "FULL DEPTH DECK REPAIR" BID ITEM.

INDICATES FLOW DIRECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3084 STG 1

DRAWN BY ABS | PLANS CK'D. NAR

QUANTITIES & GENERAL NOTES

SHEET 2

344

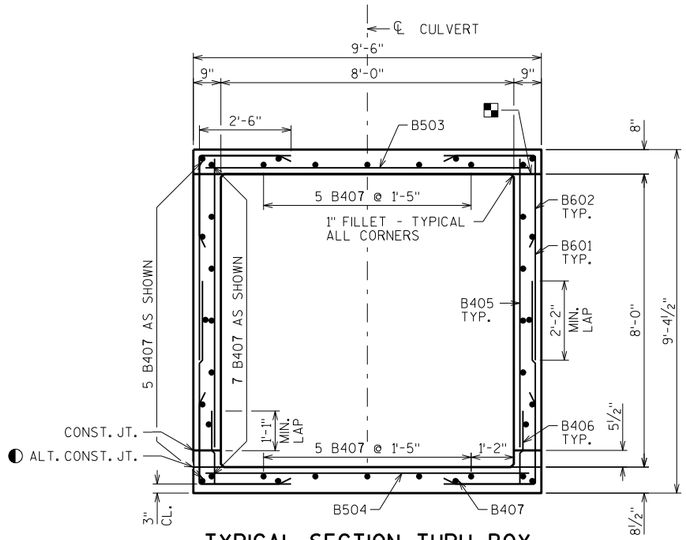
8

8

SCALE = 1.0

STATE PROJECT NUMBER

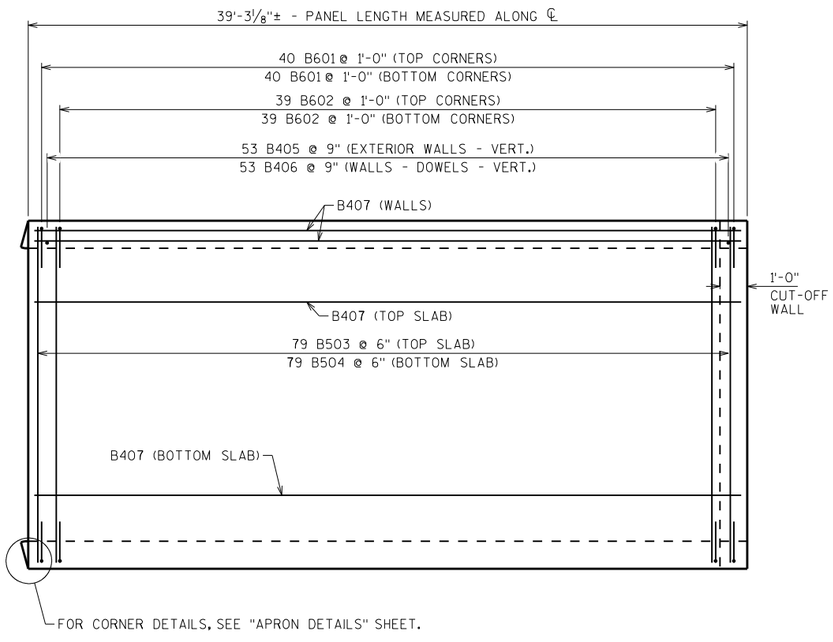
1007-10-88



TYPICAL SECTION THRU BOX

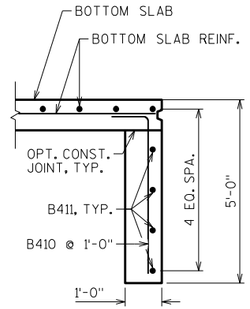
OPTIONAL CONST. JOINT. OMIT 1" FILLET IF OPTIONAL CONST. JOINT IS USED.

OMIT 1" FILLET IF ALT. CONST. JOINT IS USED.

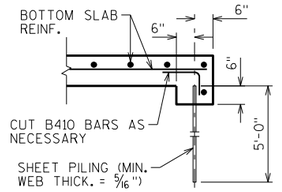


PLAN VIEW OF OUTLET PANEL

HEADER BARS & APRON NOT SHOWN FOR CLARITY.



CUT-OFF WALL



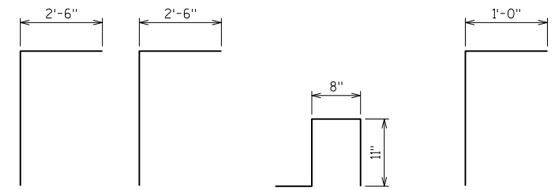
ALTERNATE CUT-OFF WALL

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.

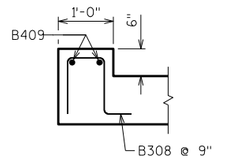
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

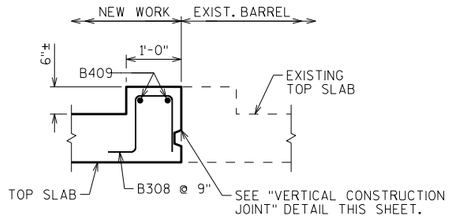
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B601		160	7'-11"	X		CORNERS
B602		156	4'-10"	X		CORNERS
B503		79	8'-9"			TOP - TRANS.
B504		79	8'-9"			BOTTOM - TRANS.
B405		106	7'-11"			EXTERIOR WALLS - VERT.
B406		106	2'-1"			WALLS - DOWELS - VERT.
B407		38	38'-9"			TOP & BOTTOM SLAB & WALLS - LONGIT.
B308		26	2'-9"	X		HEADERS - STIRRUPS - VERT.
B409		4	8'-9"			HEADERS - HORIZ.
B410		9	5'-6"	X		CUT-OFF WALL - VERT.
B411		4	8'-9"			CUT-OFF WALL - HORIZ.



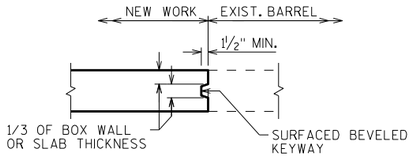
B601 B602 B308 B410



SECTION THRU HEADER



STAGING HEADER DETAIL



VERTICAL CONSTRUCTION JOINT

TYP. WALLS, TOP SLAB, & BOTTOM SLAB.

VERT. CONST. JOINT. REQUIRED FOR STAGED CONSTRUCTION WITH FUTURE CONTRACT 1007-11-79.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3084 STG 1

DRAWN BY ABS | PLANS CK'D. NAR

BOX DETAILS

SHEET 3

345

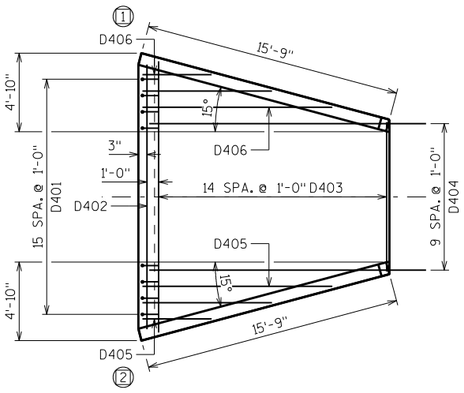
SCALE = 4.0

8

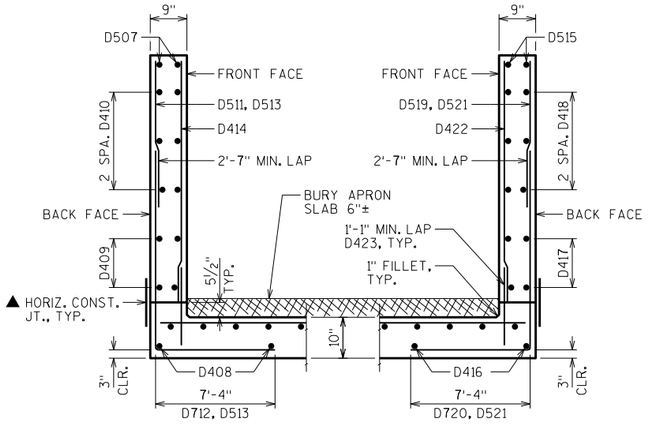
8

STATE PROJECT NUMBER

1007-10-88

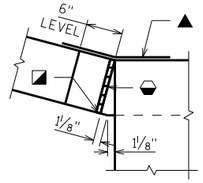


OUTLET APRON PLAN

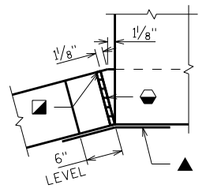


WING 1 SECTION

WING 2 SECTION



CORNER 1



CORNER 2

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
D401		16	5'-6"	X		OUTLET APRON AND CUTOFF WALL VERT.
D402		5	16'-3"			OUTLET APRON AND CUTOFF WALL HORIZ.
D403		15	12'-11"		⚠	OUTLET APRON SLAB HORIZ.
D404		10	17'-5"			OUTLET APRON AND BOX SLAB HORIZ.
D405		3	8'-0"		⚠	OUTLET APRON SLAB HORIZ.
D406		3	8'-0"		⚠	OUTLET APRON SLAB HORIZ.
D507	X	2	16'-6"			WING 1 HORIZ. TOP BOTH FACES
D408	X	2	15'-4"			WING 1 HORIZ. APRON SLAB
D409	X	4	15'-4"			WING 1 HORIZ. BOTTOM BOTH FACES
D410	X	6	7'-11"		⚠	WING 1 HORIZ.
D511	X	9	4'-6"			WING 1 VERT. BACK FACE
D712	X	17	12'-9"	X	⚠	WING 1 VERT. BACK FACE
D513	X	8	11'-6"	X	⚠	WING 1 VERT. BACK FACE
D414	X	12	5'-0"		⚠	WING 1 VERT. FRONT FACE
D515	X	2	16'-6"			WING 2 HORIZ. TOP BOTH FACES
D416	X	2	15'-4"			WING 2 HORIZ. APRON SLAB
D417	X	4	15'-4"			WING 2 HORIZ. BOTTOM BOTH FACES
D418	X	6	7'-11"		⚠	WING 2 HORIZ.
D519	X	9	4'-6"			WING 2 VERT. BACK FACE
D720	X	17	12'-9"	X	⚠	WING 2 VERT. BACK FACE
D521	X	8	11'-5"	X	⚠	WING 2 VERT. BACK FACE
D422	X	12	5'-0"		⚠	WING 2 VERT. FRONT FACE
D423	X	24	2'-3"			WINGS 1 & 2 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	9'-2" TO 16'-8"
D405	1 SERIES OF 3	4'-3" TO 11'-8"
D406	1 SERIES OF 3	4'-3" TO 11'-8"
D410	2 SERIES OF 3	4'-2" TO 11'-7"
D712	1 SERIES OF 17	11'-1" TO 14'-4"
D513	1 SERIES OF 8	10'-3" TO 12'-9"
D414	1 SERIES OF 12	1'-11" TO 8'-0"
D418	2 SERIES OF 3	4'-2" TO 11'-7"
D720	1 SERIES OF 17	11'-1" TO 14'-4"
D521	1 SERIES OF 8	10'-3" TO 12'-9"
D422	1 SERIES OF 12	1'-11" TO 8'-0"

BUNDLE AND TAG EACH SERIES SEPARATELY

WING 1

SHOWING BACK FACE REINFORCEMENT

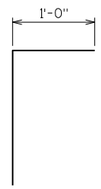
WING 2

SHOWING BACK FACE REINFORCEMENT

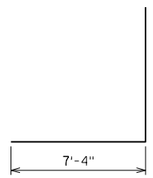
OUTLET CUT-OFF WALL

ALTERNATE CUT-OFF WALLS

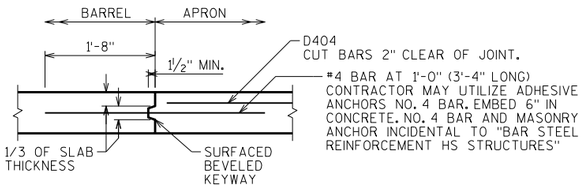
THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.



D401



D712, D513, D720, D521



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 1

DRAWN BY ABS | PLANS CK'D. NAR

APRON DETAILS

SHEET 4

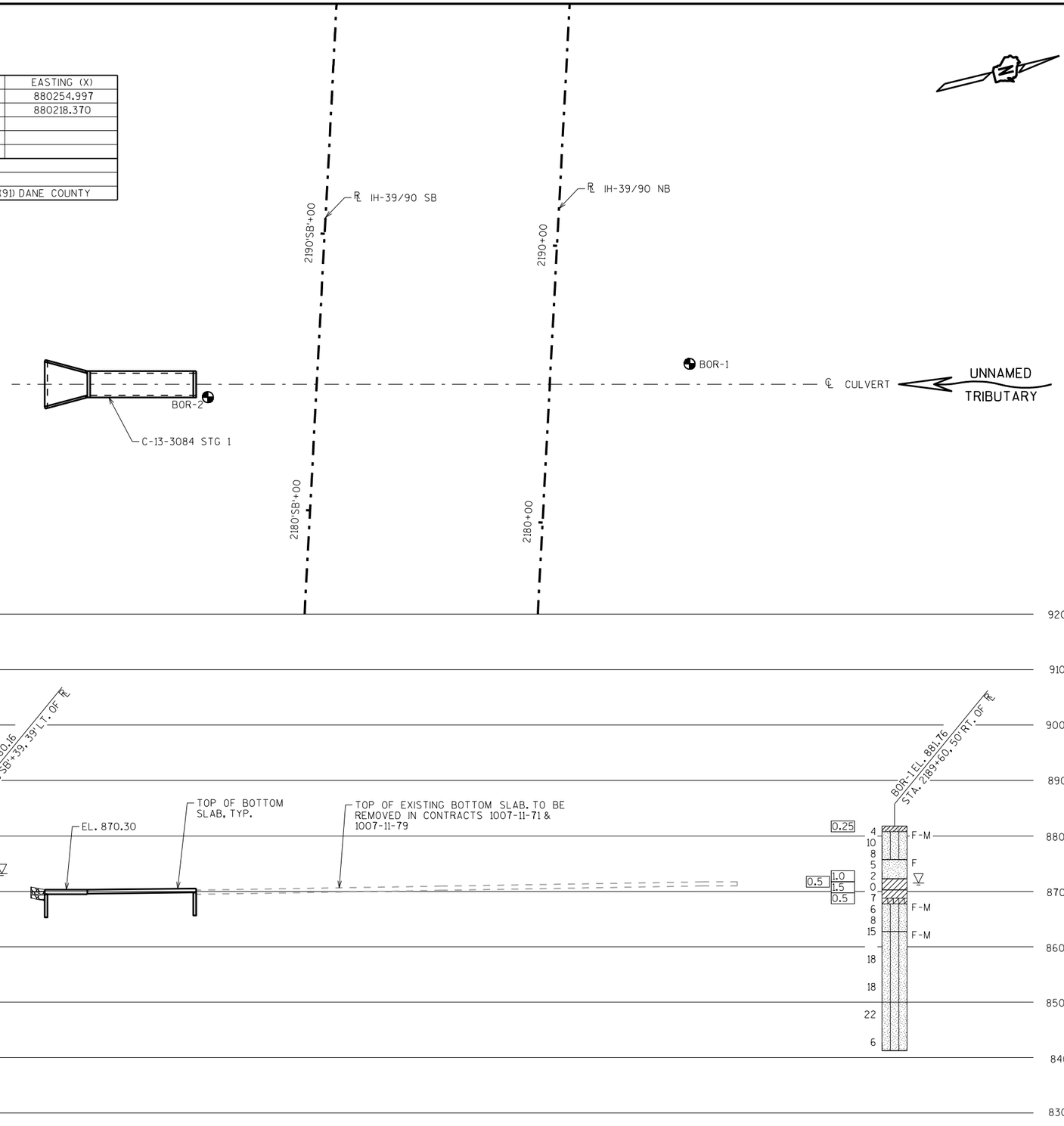
346

SCALE = 4.5

8

8

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			



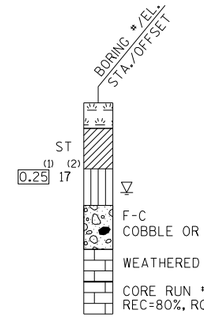
STATE PROJECT NUMBER

1007-10-88

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 1

DRAWN BY TLP/ABS | PLANS CK'D. NAR

SUBSURFACE EXPLORATION

SHEET 5

347

8

8

SCALE =

PROJECT ID 1007-10-88

STAGE 1 - SB IH 39 MEDIAN

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	
1036+00 AH	103600	0.00	23.42	0	0.00	0.00	0	0	0	0	0	0	0	0	0
1036+50	103650	50.00	23.06	0.62	0.00	0.00	43	1	0	0	43	1	0	0	42
1036+89	103688.836	38.84	21.99	8.37	0.00	0.00	32	6	0	0	75	7	0	0	68
1037+00	103700	11.16	21.93	7.4	0.00	0.00	9	3	0	0	85	10	0	0	74
1037+50	103750	50.00	22.82	0.43	0.00	0.00	41	7	0	0	126	18	0	0	108
1038+00	103800	50.00	23.39	0	0.00	0.00	43	0	0	0	169	18	0	0	151
1038+50	103850	50.00	25.29	0	0.00	0.00	45	0	0	0	214	18	0	0	196
1039+00	103900	50.00	26.92	0	0.00	0.00	48	0	0	0	262	18	0	0	244
1039+50	103950	50.00	26.46	0	0.00	0.00	49	0	0	0	312	18	0	0	294
1040+00	104000	50.00	25.62	0.24	0.00	0.00	48	0	0	0	360	18	0	0	342
1040+50	104050	50.00	26.93	0	0.00	0.00	49	0	0	0	408	18	0	0	390
1041+00	104100	50.00	32.55	0	0.00	0.00	55	0	0	0	464	18	0	0	445
1041+50	104150	50.00	37.63	0	0.00	0.00	65	0	0	0	529	18	0	0	510
1041+66 BK	104165.973	15.97	0.00	0	0.00	0.00	11	0	0	0	540	18	0	0	521
1043+90 AH	104389.631	0.00	13.28	0	0.00	0.00	0	0	0	0	540	18	0	0	521
1044+00	104400	10.37	13.49	0	0.00	0.00	5	0	0	0	545	18	0	0	526
1044+41	104440.874	40.87	13.63	0	0.00	0.00	21	0	0	0	565	18	0	0	547
1044+50	104450	9.13	13.63	0	0.00	0.00	5	0	0	0	570	18	0	0	552
1045+00	104500	50.00	13.57	0	0.00	0.00	25	0	0	0	595	18	0	0	577
1045+50	104550	50.00	13.27	0	0.00	0.00	25	0	0	0	620	18	0	0	602
1046+00	104600	50.00	13.15	0	0.00	0.00	24	0	0	0	644	18	0	0	626
1046+50	104650	50.00	37.30	0	0.00	0.00	47	0	0	0	691	18	0	0	673
1047+00	104700	50.00	27.48	0	0.00	0.00	60	0	0	0	751	18	0	0	733
1047+50	104750	50.00	23.42	0	0.00	0.00	47	0	0	0	798	18	0	0	780
1048+00	104800	50.00	24.28	0	0.00	0.00	44	0	0	0	842	18	0	0	824
1048+50	104850	50.00	27.81	0	0.00	0.00	48	0	0	0	891	18	0	0	872
1049+00	104900	50.00	24.97	0	0.00	0.00	49	0	0	0	940	18	0	0	921
1049+50	104950	50.00	23.97	0	0.00	0.00	45	0	0	0	985	18	0	0	966
1050+00	105000	50.00	23.62	0	0.00	0.00	44	0	0	0	1029	18	0	0	1011
1050+50	105050	50.00	24.00	0	0.00	0.00	44	0	0	0	1073	18	0	0	1055
1051+00	105100	50.00	26.71	0	0.00	0.00	47	0	0	0	1120	18	0	0	1102
1051+50	105150	50.00	26.19	0	0.00	0.00	49	0	0	0	1169	18	0	0	1151
1052+00	105200	50.00	27.17	0	0.00	0.00	49	0	0	0	1218	18	0	0	1200
1052+50	105250	50.00	29.54	0	0.00	0.00	53	0	0	0	1271	18	0	0	1252
1053+00	105300	50.00	29.34	0	0.00	0.00	55	0	0	0	1325	18	0	0	1307
1053+50	105350	50.00	28.31	0	0.00	0.00	53	0	0	0	1379	18	0	0	1360
1054+00	105400	50.00	25.41	0	0.00	0.00	50	0	0	0	1428	18	0	0	1410
1054+50	105450	50.00	27.36	0	0.00	0.00	49	0	0	0	1477	18	0	0	1459
1055+00	105500	50.00	26.81	0	0.00	0.00	50	0	0	0	1527	18	0	0	1509
1055+50	105550	50.00	29.76	0	0.00	0.00	52	0	0	0	1580	18	0	0	1561
1056+00	105600	50.00	33.25	0	0.00	0.00	58	0	0	0	1638	18	0	0	1620
1056+50	105650	50.00	34.62	0	0.00	0.00	63	0	0	0	1701	18	0	0	1683
1056+89	105689.031	39.03	25.54	0.09	0.00	0.00	43	0	0	0	1745	18	0	0	1726
1057+00	105700	10.97	24.42	0	0.00	0.00	10	0	0	0	1755	18	0	0	1736
1057+50	105750	50.00	22.63	0	0.00	0.00	44	0	0	0	1798	18	0	0	1780
1058+00	105800	50.00	24.96	0	0.00	0.00	44	0	0	0	1842	18	0	0	1824
1058+50	105850	50.00	25.82	0	0.00	0.00	47	0	0	0	1889	18	0	0	1871
1059+00	105900	50.00	25.78	0	0.00	0.00	48	0	0	0	1937	18	0	0	1919
1059+50	105950	50.00	25.41	0	0.00	0.00	47	0	0	0	1985	18	0	0	1966
1059+91	105990.771	40.77	23.86	0	0.00	0.00	37	0	0	0	2022	18	0	0	2003
1060+00	106000	9.23	23.79	0	0.00	0.00	8	0	0	0	2030	18	0	0	2011
1060+50	106050	50.00	25.44	0	0.00	0.00	46	0	0	0	2075	18	0	0	2057
1061+00	106100	50.00	24.98	0	0.00	0.00	47	0	0	0	2122	18	0	0	2104
1061+50	106150	50.00	24.56	0	0.00	0.00	46	0	0	0	2168	18	0	0	2150
1062+00	106200	50.00	25.08	0	0.00	0.00	46	0	0	0	2214	18	0	0	2195
1062+50	106250	50.00	21.00	0	0.00	0.00	43	0	0	0	2257	18	0	0	2238
1063+00	106300	50.00	20.83	0.22	0.00	0.00	39	0	0	0	2295	19	0	0	2277
1063+50	106350	50.00	21.46	0	0.00	0.00	39	0	0	0	2335	19	0	0	2316
1064+00	106400	50.00	21.79	0	0.00	0.00	40	0	0	0	2375	19	0	0	2356
1064+50	106450	50.00	23.58	0	0.00	0.00	42	0	0	0	2417	19	0	0	2398
1065+00	106500	50.00	23.14	0	0.00	0.00	43	0	0	0	2460	19	0	0	2441
1065+50	106550	50.00	25.72	0	0.00	0.00	45	0	0	0	2505	19	0	0	2486
1066+00	106600	50.00	25.64	0	0.00	0.00	48	0	0	0	2553	19	0	0	2534

PROJECT ID 1007-10-88

STAGE 1 - SB IH 39 MEDIAN

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	
1066+50	106650	50.00	24.57	0	0.00	0.00	93	0	0	0	2646	19	0	0	2627
1067+00	106700	50.00	23.52	0	0.00	0.00	45	0	0	0	2690	19	0	0	2671
1067+50	106750	50.00	22.59	0	0.00	0.00	43	0	0	0	2733	19	0	0	2714
1068+00	106800	50.00	22.92	0	0.00	0.00	42	0	0	0	2775	19	0	0	2756
1068+50	106850	50.00	21.99	0	0.00	0.00	42	0	0	0	2817	19	0	0	2798
1069+00	106900	50.00	22.15	0	0.00	0.00	41	0	0	0	2857	19	0	0	2839
1069+50	106950	50.00	23.82	0	0.00	0.00	43	0	0	0	2900	19	0	0	2881
1070+00	107000	50.00	23.07	0	0.00	0.00	43	0	0	0	2943	19	0	0	2925
1070+50	107050	50.00	22.86	0	0.00	0.00	43	0	0	0	2986	19	0	0	2967
1070+56	107055.92	5.92	22.81	0	0.00	0.00	5	0	0	0	2991	19	0	0	2972
1071+00	107100	44.08	23.26	0	0.00	0.00	38	0	0	0	3029	19	0	0	3010
1071+50	107150	50.00	27.40	0	0.00	0.00	47	0	0	0	3075	19	0	0	3057
1071+56	107155.532	5.53	26.63	0	0.00	0.00	6	0	0	0	3081	19	0	0	3062
1072+00	107200	44.47	21.55	0.01	0.00	0.00	40	0	0	0	3121	19	0	0	3102
1072+50	107250	50.00	22.78	0	0.00	0.00	41	0	0	0	3162	19	0	0	3143
1073+00	107300	50.00	24.51	0	0.00	0.00	44	0	0	0	3205	19	0	0	3187
1073+50	107350	50.00	27.03	0	0.00	0.00	48	0	0	0	3253	19	0	0	3234
1074+00	107400	50.00	27.71	0	0.00	0.00	51	0	0	0	3304	19	0	0	3285
1074+50	107450	50.00	27.69	0	0.00	0.00	51	0	0	0	3355	19	0	0	3336
1075+00	107500	50.00	30.15	0	0.00	0.00	54	0	0	0	3409	19	0	0	3390
1075+50	107550	50.00	28.09	0	0.00	0.00	54	0	0	0	3463	19	0	0	3444
1076+00	107600	50.00	23.07	0	0.00	0.00	47	0	0	0	3510	19	0	0	3491
1076+50	107650	50.00	23.61	0	0.00	0.00	43	0	0	0	3553	19	0	0	3534
1077+00	107700	50.00	20.40	0	0.00	0.00	41	0	0	0	3594	19	0	0	3575
1077+50	107750	50.00	22.10	0	0.00	0.00	39	0	0	0	3633	19	0	0	3614
1078+00	107800	50.00	20.52	0	0.00	0.00	39	0	0	0	3673	19	0	0	3654
1078+50	107850	50.00	19.85	0	0.00	0.00	37	0	0	0	3710	19	0	0	3691
1079+00	107900	50.00	18.92	0.17	0.00	0.00	36	0	0	0	3746	19	0	0	3727
1079+50	107950	50.00	19.57	0.01	0.00	0.00	36	0	0	0	3782	19	0	0	3763
1080+00	108000	50.00	25.40	0	0.00	0.00	42	0	0	0	3823	19	0	0	3804
1080+50	108050	50.00	24.99	0	0.00	0.00	47	0	0	0	3870	19	0	0	3851
1081+00	108100	50.00	26.47	0	0.00	0.00	48	0	0	0	3918	19	0	0	3898
1081+50	108150	50.00	21.54	0	0.00	0.00	44	0	0	0	3962	19	0	0	3943
1082+00	108200	50.00	23.37	0	0.00	0.00	42	0	0	0	4004	19	0	0	3985
1082+50	108250	50.00	30.47	0	0.00	0.00	50	0	0	0	4054	19	0	0	4034
1083+00	108300	50.00	26.70	0	0.00	0.00	53	0	0	0	4107	19	0	0	4087
1083+50	108350	50.00	25.68	0	0.00	0.00	49	0	0	0	4155	19	0	0	4136
1084+00	108400	50.00	26.07	0	0.00	0.00	48	0	0	0	4203	19	0	0	4184
1084+50	108450	50.00	25.53	0	0.00	0.00	48	0	0	0	4251	19	0	0	4231
1085+00	108500	50.00	25.19	0.09	0.00	0.00	47	0	0	0	4298	19	0	0	4278
1085+50	108550	50.00	25.10	0.77	0.00	0.00	47	1	0	0	4344	20	0	0	4324
1086+00	108600	50.00	25.12	1.13	0.00	0.00	47	2	0	0	4391	22	0	0	4369
1086+50	108650	50.00	20.42	2.09	0.00	0.00	42	3	0	0	4433	25	0	0	4408
1087+00	108700	50.00	20.51	1.96	0.00	0.00	38	4	0	0	4471	29	0	0	4442
1087+50	108750	50.00	21.37	1.57	0.00	0.00	39	3	0	0	4510	32	0	0	4478
1088+00	108800	50.00	22.87	0.95	0.00	0.00	41	2	0	0	4551	34	0	0	4516
1088+50	108850	50.00	23.39	0.75	0.00	0.00	43	2	0	0	4593	36	0	0	4558
1089+00	108900	50.00	21.30	2.14	0.00	0.00	41	3	0	0	4635	38	0	0	4596
1089+50	108950	50.00	20.33	3.84	0.00	0.00	39	6	0	0	4673	44	0	0	4629
1090+00	109000	50.00	20.36	5.79	0.00	0.00	38	9	0	0	4711	53	0	0	4658
1090+50	109050	50.00	20.58	6.97	0.00	0.00	38	12	0	0	4749	65	0	0	4684
1091+00	109100	50.00	20.77	2.38	0.00	0.00	38	9	0	0	4787	73	0	0	4714
1091+50	109150	50.00	22.78	0.96	0.00	0.00	40	3	0	0	4828	76	0	0	4751
1092+00	109200	50.00	24.02	0.63	0.00	0.00	43	1	0	0	4871	78	0	0	4793
1092+50	109250	50.00	26.12	0	0.00	0.00	46	1	0	0	4917	79	0	0	4839
1093+00	109300	50.00	26.86	0	0.00	0.00	49	0	0	0	4966	79	0	0	4888
1093+50	109350	50.00	26.09	0	0.00	0.00	49	0	0	0	5015	79	0	0	4937
1094+00	109400	50.00	24.69	0	0.00	0.00	47	0	0	0	5062	79	0	0	4984
1094+50	109450	50.00	20.63	0.26	0.00	0.00	42	0	0	0	5104	79	0	0	5026
1095+00	109500	50.00	20.26	0.05	0.00	0.00	38	0	0	0	5142	79	0	0	5063
1095+50	109550	50.00	20.00	0	0.00	0.00	37	0	0	0	5179	79	0	0	5100
1096+00	109600	50.00	20.02	0	0.00	0.00	37	0	0	0	5217	79	0	0	5137
1096+50	109650	50.00	20.30	0	0.00	0.00	37	0	0	0	5254	79	0	0	5175

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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 Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Rock	Cut	Fill	EBS	Excavation Rock	
1097+00	109700	50.00	19.72	0	0.00	0.00	74	0	0	0	5328	79	0	0	5249
1097+50	109750	50.00	18.66	0	0.00	0.00	36	0	0	0	5364	79	0	0	5284
1098+00	109800	50.00	18.36	0.41	0.00	0.00	34	0	0	0	5398	79	0	0	5318
1098+50	109850	50.00	18.60	0.72	0.00	0.00	34	1	0	0	5432	81	0	0	5351
1099+00	109900	50.00	21.15	0	0.00	0.00	37	1	0	0	5469	81	0	0	5388
1099+50	109950	50.00	21.84	0	0.00	0.00	40	0	0	0	5509	81	0	0	5427
1100+00	110000	50.00	21.82	0	0.00	0.00	40	0	0	0	5549	81	0	0	5468
1100+50	110050	50.00	22.18	0	0.00	0.00	41	0	0	0	5590	81	0	0	5509
1101+00	110100	50.00	21.94	0	0.00	0.00	41	0	0	0	5631	81	0	0	5549
1101+50	110150	50.00	20.88	0	0.00	0.00	40	0	0	0	5670	81	0	0	5589
1102+00	110200	50.00	20.04	1.11	0.00	0.00	38	1	0	0	5708	82	0	0	5626
1102+27 BK	110227.41	27.41	20.55	2.09	0.00	0.00	21	2	0	0	5729	84	0	0	5645
1104+50 AH	110450	0.00	0.00	0	0.00	0.00	0	0	0	0	5729	84	0	0	5645
1105+00	110500	50.00	11.32	0	0.00	0.00	10	0	0	0	5739	84	0	0	5655
1105+50	110550	50.00	11.33	0	0.00	0.00	21	0	0	0	5760	84	0	0	5676
1106+00	110600	50.00	11.37	0	0.00	0.00	21	0	0	0	5781	84	0	0	5697
1106+50	110650	50.00	11.42	0	0.00	0.00	21	0	0	0	5802	84	0	0	5719
1107+00	110700	50.00	11.30	0	0.00	0.00	21	0	0	0	5823	84	0	0	5740
1107+50	110750	50.00	11.30	0	0.00	0.00	21	0	0	0	5844	84	0	0	5760
1107+54	110754	4.00	11.31	0	0.00	0.00	2	0	0	0	5846	84	0	0	5762
1108+00	110800	46.00	11.39	0	0.00	0.00	19	0	0	0	5865	84	0	0	5781
1108+50	110850	50.00	11.50	0	0.00	0.00	21	0	0	0	5887	84	0	0	5803
1109+00	110900	50.00	11.62	0	0.00	0.00	21	0	0	0	5908	84	0	0	5824
1109+50	110950	50.00	11.75	0	0.00	0.00	22	0	0	0	5930	84	0	0	5846
1110+00	111000	50.00	20.20	0	0.00	0.00	30	0	0	0	5959	84	0	0	5875
1110+50	111050	50.00	19.53	0	0.00	0.00	37	0	0	0	5996	84	0	0	5912
1111+00	111100	50.00	18.66	0	0.00	0.00	35	0	0	0	6031	84	0	0	5947
1111+50	111150	50.00	17.54	0.05	0.00	0.00	34	0	0	0	6065	84	0	0	5981
1112+00	111200	50.00	18.07	0	0.00	0.00	33	0	0	0	6098	84	0	0	6014
1112+50	111250	50.00	19.44	0	0.00	0.00	35	0	0	0	6133	84	0	0	6049
1113+00	111300	50.00	20.88	0	0.00	0.00	37	0	0	0	6170	84	0	0	6086
1113+50	111350	50.00	22.44	0	0.00	0.00	40	0	0	0	6210	84	0	0	6126
1113+54	111354.358	4.36	22.55	0	0.00	0.00	4	0	0	0	6214	84	0	0	6130
1114+00	111400	45.64	24.43	0	0.00	0.00	40	0	0	0	6253	84	0	0	6169
1114+50	111450	50.00	37.41	0.05	0.00	0.00	57	0	0	0	6311	84	0	0	6227
1115+00	111500	50.00	25.97	1.3	0.00	0.00	59	1	0	0	6369	85	0	0	6284
1115+50	111550	50.00	23.08	0	0.00	0.00	45	1	0	0	6415	86	0	0	6328
1116+00	111600	50.00	22.18	0	0.00	0.00	42	0	0	0	6457	86	0	0	6370
1116+50	111650	50.00	20.46	0	0.00	0.00	39	0	0	0	6496	86	0	0	6410
1117+00	111700	50.00	20.33	0	0.00	0.00	38	0	0	0	6534	86	0	0	6447
1117+50	111750	50.00	20.06	0	0.00	0.00	37	0	0	0	6571	86	0	0	6485
1118+00	111800	50.00	19.53	0	0.00	0.00	37	0	0	0	6608	86	0	0	6521
1118+50	111850	50.00	18.83	0	0.00	0.00	36	0	0	0	6643	86	0	0	6557
1119+00	111900	50.00	18.29	0	0.00	0.00	34	0	0	0	6678	86	0	0	6591
1119+50	111950	50.00	18.68	0	0.00	0.00	34	0	0	0	6712	86	0	0	6626
1120+00	112000	50.00	19.00	0	0.00	0.00	35	0	0	0	6747	86	0	0	6660
1120+50	112050	50.00	19.35	0	0.00	0.00	36	0	0	0	6782	86	0	0	6696
1121+00	112100	50.00	19.76	0	0.00	0.00	36	0	0	0	6819	86	0	0	6732
1121+50	112150	50.00	20.04	0	0.00	0.00	37	0	0	0	6855	86	0	0	6769
1122+00	112200	50.00	20.13	0	0.00	0.00	37	0	0	0	6893	86	0	0	6806
1122+50	112250	50.00	20.23	0	0.00	0.00	37	0	0	0	6930	86	0	0	6844
1123+00	112300	50.00	20.42	0	0.00	0.00	38	0	0	0	6968	86	0	0	6881
1123+50	112350	50.00	20.65	0	0.00	0.00	38	0	0	0	7006	86	0	0	6919
1124+00	112400	50.00	21.03	0	0.00	0.00	39	0	0	0	7044	86	0	0	6958
1124+50	112450	50.00	21.78	0	0.00	0.00	40	0	0	0	7084	86	0	0	6997
1125+00	112500	50.00	22.83	0	0.00	0.00	41	0	0	0	7125	86	0	0	7039
1125+50	112550	50.00	23.52	0	0.00	0.00	43	0	0	0	7168	86	0	0	7082
1125+52	112551.81	1.81	24.77	0	0.00	0.00	2	0	0	0	7170	86	0	0	7083

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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 Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Rock	Cut	Fill	EBS	Excavation Rock	
1126+00	112600	48.19	17.98	0.98	0.00	0.00	76	2	0	0	7246	88	0	0	7158
1126+50	112650	50.00	19.10	0.07	0.00	0.00	34	1	0	0	7280	89	0	0	7191
1127+00	112700	50.00	19.89	0	0.00	0.00	36	0	0	0	7317	89	0	0	7227
1127+50	112750	50.00	20.89	0	0.00	0.00	38	0	0	0	7354	89	0	0	7265
1128+00	112800	50.00	21.87	0	0.00	0.00	40	0	0	0	7394	89	0	0	7305
1128+50	112850	50.00	20.79	0	0.00	0.00	40	0	0	0	7433	89	0	0	7344
1129+00	112900	50.00	19.70	0.01	0.00	0.00	37	0	0	0	7471	89	0	0	7382
1129+50	112950	50.00	19.04	0.15	0.00	0.00	36	0	0	0	7507	89	0	0	7417
1130+00	113000	50.00	18.61	0.33	0.00	0.00	35	0	0	0	7542	90	0	0	7452
1130+50	113050	50.00	18.56	0.18	0.00	0.00	34	0	0	0	7576	90	0	0	7486
1131+00	113100	50.00	18.51	0.19	0.00	0.00	34	0	0	0	7610	91	0	0	7520
1131+50	113150	50.00	18.59	0.12	0.00	0.00	34	0	0	0	7645	91	0	0	7554
1132+00	113200	50.00	18.96	0.01	0.00	0.00	35	0	0	0	7679	91	0	0	7588
1132+50	113250	50.00	18.97	0	0.00	0.00	35	0	0	0	7715	91	0	0	7623
1133+00	113300	50.00	18.59	0.08	0.00	0.00	35	0	0	0	7749	91	0	0	7658
1133+50	113350	50.00	18.34	0.2	0.00	0.00	34	0	0	0	7784	91	0	0	7692
1134+00	113400	50.00	18.25	0.3	0.00	0.00	34	0	0	0	7817	92	0	0	7726
1134+50	113450	50.00	18.83	0	0.00	0.00	34	0	0	0	7852	92	0	0	7760
1135+00	113500	50.00	19.72	0	0.00	0.00	36	0	0	0	7887	92	0	0	7795
1135+50	113550	50.00	20.54	0	0.00	0.00	37	0	0	0	7925	92	0	0	7833
1136+00	113600	50.00	21.19	0	0.00	0.00	39	0	0	0	7963	92	0	0	7871
1136+50	113650	50.00	24.97	0	0.00	0.00	43	0	0	0	8006	92	0	0	7914
1136+53	113652.787	2.79	27.02	0	0.00	0.00	3	0	0	0	8009	92	0	0	7917
1137+00	113700	47.21	23.66	0	0.00	0.00	44	0	0	0	8053	92	0	0	7961
1137+50	113750	50.00	21.11	0	0.00	0.00	41	0	0	0	8095	92	0	0	8002
1138+00	113800	50.00	19.13	0.92	0.00	0.00	37	1	0	0	8132	93	0	0	8039
1138+50	113850	50.00	19.44	0	0.00	0.00	36	1	0	0	8168	94	0	0	8074
1139+00	113900	50.00	19.40	0	0.00	0.00	36	0	0	0	8203	94	0	0	8110
1139+50	113950	50.00	19.30	0	0.00	0.00	36	0	0	0	8239	94	0	0	8145
1140+00	114000	50.00	18.97	0	0.00	0.00	35	0	0	0	8275	94	0	0	8181
1140+50	114050	50.00	18.48	0.13	0.00	0.00	35	0	0	0	8309	94	0	0	8215
1141+00	114100	50.00	18.02	0.62	0.00	0.00	34	1	0	0	8343	95	0	0	8249
1141+50	114150	50.00	17.91	1.24	0.00	0.00	33	2	0	0	8376	96	0	0	8280
1142+00	114200	50.00	17.73	1.28	0.00	0.00	33	2	0	0	8409	99	0	0	8311
1142+50	114250	50.00	17.70	0.16	0.00	0.00	33	1	0	0	8442	100	0	0	8342
1143+00	114300	50.00	18.68	0	0.00	0.00	34	0	0	0	8476	100	0	0	8376
1143+50	114350	50.00	18.97	0	0.00	0.00	35	0	0	0	8511	100	0	0	8411
1144+00	114400	50.00	18.29	0	0.00	0.00	35	0	0	0	8545	100	0	0	8445
1144+50	114450	50.00	17.55	0.33	0.00	0.00	33	0	0	0	8579	100	0	0	8478
1144+54	114453.745	3.74	17.51	0.38	0.00	0.00	2	0	0	0	8581	101	0	0	8480
1145+00	114500	46.26	17.22	1.06	0.00	0.00	30	1	0	0	8611	102	0	0	8509
1145+50	114550	50.00	17.18	1.92	0.00	0.00	32	3	0	0	8643	105	0	0	8538
1145+60	114560.467	10.47	17.18	2.06	0.00	0.00	7	1	0	0	8649	105	0	0	8544
1146+00	114600	39.53	17.00	2.56	0.00	0.00	25	3	0	0	8674	109	0	0	8566
1146+50	114650	50.00	19.85	0	0.00	0.00	34	2	0	0	8708	111	0	0	8597
1147+00	114700	50.00	20.67	0	0.00	0.00	38	0	0	0	8746	111	0	0	8635
1147+50	114750	50.00	20.92	0	0.00	0.00	39	0	0	0	8784	111	0	0	8673
1147+55	114755.172	5.17	21.87	0	0.00	0.00	4	0	0	0	8788	111	0	0	8677
1148+00	114800	44.83	21.78	0	0.00	0.00	36	0	0	0	8825	111	0	0	8714
1148+50	114850	50.00	20.05	0	0.00	0.00	39	0	0	0	8863	111	0	0	8752
1149+00	114900	50.00	20.26	0	0.00	0.00	37	0	0	0	8901	111	0	0	8790
1149+50	114950	50.00	20.31	0	0.00	0.00	38	0	0	0	8938	111	0	0	8827
1150+00	115000	50.00	20.31	0	0.00	0.00	38	0	0	0	8976	111	0	0	8865
1150+50	115050	50.00	20.01	0	0.00	0.00	37	0	0	0	9013	111	0	0	8902
1151+00	115100	50.00	19.60	0	0.00	0.00	37	0	0	0	9050	111	0	0	8939
1151+50	115150	50.00	19.49	0	0.00	0.00	36	0	0	0	9086	111	0	0	8975
1152+00	115200	50.00	19.45	0	0.00	0.00	36	0	0	0	9122	111	0	0	9011
1152+50	115250	50.00	19.49	0	0.00	0.00	36	0	0	0	9158	111	0	0	9047
1153+00	115300	50.00	19.36	0	0.00	0.00	36	0	0	0	9194	111	0	0	9083
1153+50	115350	50.00	20.16	0	0.00	0.00	37	0	0	0	9231	111	0	0	9120
1154+00	115400	50.00	19.98	0	0.00	0.00	37	0	0	0	9268	111	0	0	9157
1154+50	115450	50.00	19.46	0	0.00	0.00	37	0	0	0	9305	111	0	0	9193
1155+00	115500	50.00	19.06	0.01	0.00	0.00	36	0	0	0	9340	111	0	0	9229

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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 Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Rock	Cut	Fill	EBS	Excavation Rock	
1155+50	115550	50.00	18.46	0.23	0.00	0.00	69	0	0	0	9410	112	0	0	9298
1156+00	115600	50.00	17.13	0.87	0.00	0.00	33	1	0	0	9443	113	0	0	9330
1156+50	115650	50.00	17.00	0.88	0.00	0.00	32	2	0	0	9474	114	0	0	9360
1157+00	115700	50.00	17.41	0.62	0.00	0.00	32	1	0	0	9506	116	0	0	9391
1157+50	115750	50.00	18.43	0.23	0.00	0.00	33	1	0	0	9539	116	0	0	9423
1158+00	115800	50.00	21.00	0	0.00	0.00	37	0	0	0	9576	117	0	0	9459
1158+38	115837.659	37.66	23.43	0	0.00	0.00	31	0	0	0	9607	117	0	0	9490
1158+42	115841.992	4.33	23.66	0	0.00	0.00	4	0	0	0	9611	117	0	0	9494
1158+50	115850	8.01	23.12	0	0.00	0.00	7	0	0	0	9617	117	0	0	9501
1159+00	115900	50.00	19.04	0.36	0.00	0.00	39	0	0	0	9657	117	0	0	9540
1159+50	115950	50.00	17.84	0.78	0.00	0.00	34	1	0	0	9691	118	0	0	9573
1160+00	116000	50.00	17.41	0.68	0.00	0.00	33	1	0	0	9723	119	0	0	9604
1160+50	116050	50.00	17.97	0.35	0.00	0.00	33	1	0	0	9756	120	0	0	9636
1161+00	116100	50.00	16.69	0.94	0.00	0.00	32	1	0	0	9788	121	0	0	9667
1161+50	116150	50.00	15.84	1.59	0.00	0.00	30	2	0	0	9818	124	0	0	9694
1162+00	116200	50.00	15.59	1.89	0.00	0.00	29	3	0	0	9847	127	0	0	9720
1162+50	116250	50.00	15.89	1.7	0.00	0.00	29	3	0	0	9877	130	0	0	9746
1163+00	116300	50.00	10.73	0	0.00	0.00	25	2	0	0	9901	132	0	0	9769
1163+11	116311.306	11.31	10.65	0	0.00	0.00	4	0	0	0	9906	132	0	0	9774
1163+19	116319.211	7.90	10.60	0	0.00	0.00	3	0	0	0	9909	132	0	0	9777
1163+50	116350	30.79	10.41	0	0.00	0.00	12	0	0	0	9921	132	0	0	9789
1164+00	116400	50.00	10.21	0	0.00	0.00	19	0	0	0	9940	132	0	0	9808
1164+50	116450	50.00	10.18	0	0.00	0.00	19	0	0	0	9959	132	0	0	9827
1165+00	116500	50.00	10.33	0	0.00	0.00	19	0	0	0	9978	132	0	0	9846
1165+50	116550	50.00	10.32	0	0.00	0.00	19	0	0	0	9997	132	0	0	9865
1166+00	116600	50.00	10.14	0	0.00	0.00	19	0	0	0	10016	132	0	0	9884
1166+50	116650	50.00	10.12	0	0.00	0.00	19	0	0	0	10035	132	0	0	9903
1167+00	116700	50.00	10.31	0	0.00	0.00	19	0	0	0	10053	132	0	0	9922
1167+50	116750	50.00	10.38	0	0.00	0.00	19	0	0	0	10073	132	0	0	9941
1168+00	116800	50.00	10.12	0	0.00	0.00	19	0	0	0	10092	132	0	0	9960
1168+50	116850	50.00	10.25	0	0.00	0.00	19	0	0	0	10110	132	0	0	9979
1169+00	116900	50.00	10.46	0	0.00	0.00	19	0	0	0	10130	132	0	0	9998
1169+50	116950	50.00	0.00	0	0.00	0.00	10	0	0	0	10139	132	0	0	10007
1169+83 BK	116983.452	33.45	0.00	0	0.00	0.00	0	0	0	0	10139	132	0	0	10007
1172+35 AH	117234.859	0.00	12.24	0	0.00	0.00	0	0	0	0	10139	132	0	0	10007
1172+50	117250	15.14	12.32	0	0.00	0.00	7	0	0	0	10146	132	0	0	10014
1173+00	117300	50.00	12.85	0	0.00	0.00	23	0	0	0	10169	132	0	0	10038
1173+50	117350	50.00	12.83	0	0.00	0.00	24	0	0	0	10193	132	0	0	10061
1174+00	117400	50.00	13.32	0	0.00	0.00	24	0	0	0	10217	132	0	0	10086
1174+50	117450	50.00	13.08	0	0.00	0.00	24	0	0	0	10242	132	0	0	10110
1175+00	117500	50.00	12.48	0	0.00	0.00	24	0	0	0	10266	132	0	0	10134
1175+36	117536.248	36.25	18.78	7.22	0.00	0.00	21	5	0	0	10287	137	0	0	10150
1175+50	117550	13.75	18.30	7.89	0.00	0.00	9	4	0	0	10296	141	0	0	10155
1176+00	117600	50.00	16.64	10.8	0.00	0.00	32	17	0	0	10328	158	0	0	10170
1176+50	117650	50.00	16.04	13.89	0.00	0.00	30	23	0	0	10359	181	0	0	10178
1177+00	117700	50.00	15.21	16.27	0.00	0.00	29	28	0	0	10388	209	0	0	10179
1177+27	117726.637	26.64	15.29	15.64	0.00	0.00	15	16	0	0	10403	224	0	0	10178
1177+50	117750	23.36	15.62	14.78	0.00	0.00	13	13	0	0	10416	238	0	0	10178
1178+00	117800	50.00	16.16	13.24	0.00	0.00	29	26	0	0	10445	264	0	0	10182
1178+50	117850	50.00	16.09	12.39	0.00	0.00	30	24	0	0	10475	287	0	0	10188
1179+00 BK	117900	50.00	16.26	10.48	0.00	0.00	30	21	0	0	10505	308	0	0	10197
							COLUMN TOTALS	10505	308	0	0				

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STAGE 2 - SB IH 39 OUTSIDE TEMPORARY WIDENING

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	
1003+74 AH	100374	0.00	10.86	0	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
1004+00	100400	25.98	16.04	0.79	0.00	0.00	0.00	13	0	0	0	0	13	0	0	0	0	13
1004+50	100450	50.00	29.15	2.05	0.00	0.00	0.00	42	3	0	0	0	55	3	0	0	0	52
1005+00	100500	50.00	38.81	3.51	0.00	0.00	0.00	63	5	0	0	0	118	8	0	0	0	110
1005+50	100550	50.00	55.87	4.61	0.00	0.00	0.00	88	8	0	0	0	205	16	0	0	0	190
1006+00	100600	50.00	91.14	5.15	0.00	0.00	0.00	136	9	0	0	0	341	25	0	0	0	317
1006+50	100650	50.00	140.77	6.41	0.00	0.00	0.00	215	11	0	0	0	556	35	0	0	0	521
1007+00	100700	50.00	197.65	6.87	0.00	0.00	0.00	313	12	0	0	0	870	48	0	0	0	822
1007+50	100750	50.00	260.65	5.81	0.00	0.00	0.00	424	12	0	0	0	1294	59	0	0	0	1234
1008+00	100800	50.00	294.05	4.2	0.00	0.00	0.00	514	9	0	0	0	1808	69	0	0	0	1739
1008+50	100850	50.00	345.56	3.17	0.00	0.00	0.00	592	7	0	0	0	2400	76	0	0	0	2324
1009+00	100900	50.00	384.43	3.17	0.00	0.00	0.00	676	6	0	0	0	3076	81	0	0	0	2994
1009+50	100950	50.00	401.41	3.17	0.00	0.00	0.00	728	6	0	0	0	3803	87	0	0	0	3716
1010+00	101000	50.00	384.83	5.31	0.00	0.00	0.00	728	8	0	0	0	4531	95	0	0	0	4436
1010+01	101001	1.45	383.86	5.84	0.00	0.00	0.00	21	0	0	0	0	4552	95	0	0	0	4457
1010+50	101050	48.55	381.00	3.17	0.00	0.00	0.00	688	8	0	0	0	5240	104	0	0	0	5136
1011+00	101100	50.00	369.73	3.18	0.00	0.00	0.00	695	6	0	0	0	5935	109	0	0	0	5825
1011+50	101150	50.00	333.72	3.17	0.00	0.00	0.00	651	6	0	0	0	6586	115	0	0	0	6471
1012+00	101200	50.00	315.25	3.17	0.00	0.00	0.00	601	6	0	0	0	7187	121	0	0	0	7066
1012+50	101250	50.00	300.11	3.17	0.00	0.00	0.00	570	6	0	0	0	7757	127	0	0	0	7630
1013+00	101300	50.00	301.94	3.17	0.00	0.00	0.00	557	6	0	0	0	8314	133	0	0	0	8181
1013+50	101350	50.00	331.17	0	0.00	0.00	0.00	586	3	0	0	0	8900	136	0	0	0	8765
1014+00	101400	50.00	342.65	0	0.00	0.00	0.00	624	0	0	0	0	9524	136	0	0	0	9388
1014+50	101450	50.00	364.43	0.51	0.00	0.00	0.00	655	0	0	0	0	10179	136	0	0	0	10043
1015+00	101500	50.00	372.48	0.49	0.00	0.00	0.00	682	1	0	0	0	10861	137	0	0	0	10724
1015+50	101550	50.00	368.41	0.49	0.00	0.00	0.00	686	1	0	0	0	11547	138	0	0	0	11409
1016+00	101600	50.00	361.55	0.89	0.00	0.00	0.00	676	1	0	0	0	12223	139	0	0	0	12084
1016+50	101650	50.00	333.85	3.48	0.00	0.00	0.00	644	4	0	0	0	12867	143	0	0	0	12724
1017+00	101700	50.00	267.87	4.48	0.00	0.00	0.00	557	7	0	0	0	13424	151	0	0	0	13273
1017+50	101750	50.00	225.94	6.57	0.00	0.00	0.00	457	10	0	0	0	13882	161	0	0	0	13720
1018+00	101800	50.00	197.14	8.09	0.00	0.00	0.00	392	14	0	0	0	14273	175	0	0	0	14099
1018+50	101850	50.00	221.43	1.17	0.00	0.00	0.00	388	9	0	0	0	14661	183	0	0	0	14478
1019+00	101900	50.00	178.97	2.89	0.00	0.00	0.00	371	4	0	0	0	15032	187	0	0	0	14845
1019+50	101950	50.00	148.81	8.68	0.00	0.00	0.00	304	11	0	0	0	15335	198	0	0	0	15137
1020+00	102000	50.00	116.80	9.22	0.00	0.00	0.00	246	17	0	0	0	15581	214	0	0	0	15367
1020+50	102050	50.00	109.34	10.8	0.00	0.00	0.00	209	19	0	0	0	15790	233	0	0	0	15558
1021+00	102100	50.00	112.54	11.59	0.00	0.00	0.00	205	21	0	0	0	15996	254	0	0	0	15742
1021+50	102150	50.00	103.58	10.6	0.00	0.00	0.00	200	21	0	0	0	16196	274	0	0	0	15922
1022+00	102200	50.00	102.69	9.14	0.00	0.00	0.00	191	18	0	0	0	16387	292	0	0	0	16095
1022+50	102250	50.00	100.43	9.42	0.00	0.00	0.00	188	17	0	0	0	16575	310	0	0	0	16265
1023+00	102300	50.00	96.78	9.09	0.00	0.00	0.00	183	17	0	0	0	16758	327	0	0	0	16431
1023+50	102350	50.00	97.79	8.32	0.00	0.00	0.00	180	16	0	0	0	16938	343	0	0	0	16595
1024+00	102400	50.00	96.20	7.44	0.00	0.00	0.00	180	15	0	0	0	17117	357	0	0	0	16760
1024+50	102450	50.00	100.68	8.77	0.00	0.00	0.00	182	15	0	0	0	17300	372	0	0	0	16927
1025+00	102500	50.00	122.17	6.61	0.00	0.00	0.00	206	14	0	0	0	17506	387	0	0	0	17119
1025+50	102550	50.00	126.33	4.37	0.00	0.00	0.00	230	10	0	0	0	17736	397	0	0	0	17339
1026+00	102600	50.00	134.41	4.5	0.00	0.00	0.00	241	8	0	0	0	17978	405	0	0	0	17573
1026+50	102650	50.00	143.16	7.58	0.00	0.00	0.00	257	11	0	0	0	18235	416	0	0	0	17818
1027+00	102700	50.00	146.38	8.43	0.00	0.00	0.00	268	15	0	0	0	18503	431	0	0	0	18072
1027+50	102750	50.00	154.22	5.89	0.00	0.00	0.00	278	13	0	0	0	18781	444	0	0	0	18337
1028+00	102800	50.00	169.25	2.3	0.00	0.00	0.00	300	8	0	0	0	19081	452	0	0	0	18629
1028+50	102850	50.00	176.08	0.75	0.00	0.00	0.00	320	3	0	0	0	19400	455	0	0	0	18946
1029+00	102900	50.00	172.34	0.31	0.00	0.00	0.00	323	1	0	0	0	19723	456	0	0	0	19267
1029+50	102950	50.00	163.33	0.9	0.00	0.00	0.00	311	1	0	0	0	20034	457	0	0	0	19577
1030+00	103000	50.00	147.97	3.34	0.00	0.00	0.00	288	4	0	0	0	20322	461	0	0	0	19861
1030+50	103050	50.00	135.52	4.72	0.00	0.00	0.00	262	7	0	0	0	20584	468	0	0	0	20116
1031+00	103100	50.00	109.47	6.64	0.00	0.00	0.00	227	11	0	0	0	20811	479	0	0	0	20333
1031+50	103150	50.00	92.07	8.73	0.00	0.00	0.00	187	14	0	0	0	20998	493	0	0	0	20505
1032+00	103200	50.00	94.84	9.25	0.00	0.00	0.00	173	17	0	0	0	21171	510	0	0	0	20661
1032+50	103250	50.00	82.15	11.76	0.00	0.00	0.00	164	19	0	0	0	21335	529	0	0	0	20806
1033+00	103300	50.00	63.32	14.1	0.00	0.00	0.00	135	24	0	0	0	21470	553	0	0	0	20917
1033+50	103350	50.00	39.16	33.76	0.00	0.00	0.00	95	44	0	0	0	21564	597	0	0	0	20967
1034+00	103400	50.00	26.22	128.35	0.00	0.00	0.00	61	150	0	0	0	21625	747	0	0	0	20878

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STAGE 2 - SB IH 39 OUTSIDE TEMPORARY WIDENING

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	
1034+50		103450	50.00	27.46	105.82	0.00	0.00	0.00	99	434	0	0	0	21724	1181	0	0	0	20543
1035+00		103500	50.00	26.42	29.13	0.00	0.00	0.00	50	125	0	0	0	21774	1306	0	0	0	20468
1035+50		103550	50.00	25.04	16.74	0.00	0.00	0.00	48	42	0	0	0	21822	1348	0	0	0	20473
1036+00		103600	50.00	25.48	7.42	0.00	0.00	0.00	47	22	0	0	0	21869	1371	0	0	0	20498
1036+50		103650	50.00	25.07	15.01	0.00	0.00	0.00	47	21	0	0	0	21915	1392	0	0	0	20524
1036+89		103689	38.84	25.69	21.1	0.00	0.00	0.00	37	26	0	0	0	21952	1418	0	0	0	20534
1037+00		103700	11.16	25.98	22.76	0.00	0.00	0.00	11	9	0	0	0	21963	1427	0	0	0	20536
1037+50		103750	50.00	25.26	43.35	0.00	0.00	0.00	47	61	0	0	0	22010	1488	0	0	0	20522
1038+00		103800	50.00	25.63	149.98	0.00	0.00	0.00	47	179	0	0	0	22057	1667	0	0	0	20390
1038+50		103850	50.00	27.22	192.87	0.00	0.00	0.00	49	317	0	0	0	22106	1984	0	0	0	20122
1039+00		103900	50.00	28.99	237.62	0.00	0.00	0.00	52	399	0	0	0	22158	2383	0	0	0	19775
1039+50		103950	50.00	31.01	260.5	0.00	0.00	0.00	56	461	0	0	0	22214	2844	0	0	0	19370
1040+00		104000	50.00	33.55	293.82	0.00	0.00	0.00	60	513	0	0	0	22274	3357	0	0	0	18916
1040+50		104050	50.00	33.49	304.94	0.00	0.00	0.00	62	554	0	0	0	22336	3912	0	0	0	18424
1041+00		104100	50.00	31.90	349.74	0.00	0.00	0.00	61	606	0	0	0	22396	4518	0	0	0	17878
1041+50		104150	50.00	31.82	386.67	0.00	0.00	0.00	59	682	0	0	0	22455	5200	0	0	0	17255
1041+66	BK	104166	15.97	30.06	409.24	0.00	0.00	0.00	18	235	0	0	0	22473	5435	0	0	0	17038
1043+90	AH	104390	0.00	29.27	285.01	0.00	0.00	0.00	0	0	0	0	0	22473	5435	0	0	0	17038
1044+00		104400	10.37	27.66	363.87	0.00	0.00	0.00	11	125	0	0	0	22484	5560	0	0	0	16924
1044+41		104441	40.87	25.17	511.78	0.00	0.00	0.00	40	663	0	0	0	22524	6223	0	0	0	16302
1044+50		104450	9.13	25.17	528.7	0.00	0.00	0.00	9	176	0	0	0	22533	6399	0	0	0	16134
1045+00		104500	50.00	23.90	442.02	0.00	0.00	0.00	45	899	0	0	0	22578	7297	0	0	0	15281
1045+50		104550	50.00	25.07	361.75	0.00	0.00	0.00	45	744	0	0	0	22624	8042	0	0	0	14582
1046+00		104600	50.00	28.81	270.07	0.00	0.00	0.00	50	585	0	0	0	22674	8627	0	0	0	14047
1046+50		104650	50.00	28.33	170.38	0.00	0.00	0.00	53	408	0	0	0	22726	9034	0	0	0	13692
1047+00		104700	50.00	29.59	90	0.00	0.00	0.00	54	241	0	0	0	22780	9276	0	0	0	13505
1047+50		104750	50.00	51.83	29.72	0.00	0.00	0.00	75	111	0	0	0	22855	9386	0	0	0	13469
1048+00		104800	50.00	172.15	3.83	0.00	0.00	0.00	207	31	0	0	0	23063	9417	0	0	0	13645
1048+50		104850	50.00	256.75	0	0.00	0.00	0.00	397	4	0	0	0	23460	9421	0	0	0	14039
1049+00		104900	50.00	346.54	0	0.00	0.00	0.00	559	0	0	0	0	24019	9421	0	0	0	14598
1049+50		104950	50.00	496.66	0	0.00	0.00	0.00	781	0	0	0	0	24799	9421	0	0	0	15378
1050+00		105000	50.00	631.87	0	0.00	0.00	0.00	1045	0	0	0	0	25844	9421	0	0	0	16423
1050+50		105050	50.00	691.11	0	0.00	0.00	0.00	1225	0	0	0	0	27069	9421	0	0	0	17648
1051+00		105100	50.00	717.83	0	0.00	0.00	0.00	1305	0	0	0	0	28374	9421	0	0	0	18953
1051+50		105150	50.00	656.94	0.01	0.00	0.00	0.00	1273	0	0	0	0	29647	9421	0	0	0	20226
1052+00		105200	50.00	559.35	0.75	0.00	0.00	0.00	1126	1	0	0	0	30773	9422	0	0	0	21351
1052+50		105250	50.00	459.03	0.96	0.00	0.00	0.00	943	2	0	0	0	31716	9423	0	0	0	22293
1053+00		105300	50.00	358.82	1.38	0.00	0.00	0.00	757	2	0	0	0	32473	9425	0	0	0	23048
1053+50		105350	50.00	265.24	1.95	0.00	0.00	0.00	578	3	0	0	0	33051	9429	0	0	0	23622
1054+00		105400	50.00	217.03	2.34	0.00	0.00	0.00	447	4	0	0	0	33498	9433	0	0	0	24065
1054+50		105450	50.00	182.44	3.98	0.00	0.00	0.00	370	6	0	0	0	33867	9438	0	0	0	24429
1055+00		105500	50.00	138.17	4.18	0.00	0.00	0.00	297	8	0	0	0	34164	9446	0	0	0	24718
1055+50		105550	50.00	98.84	5.05	0.00	0.00	0.00	219	9	0	0	0	34384	9454	0	0	0	24929
1056+00		105600	50.00	61.39	17.2	0.00	0.00	0.00	148	21	0	0	0	34532	9475	0	0	0	25057
1056+50		105650	50.00	34.90	43.28	0.00	0.00	0.00	89	56	0	0	0	34621	9531	0	0	0	25090
1056+89		105689	39.03	35.67	70.49	0.00	0.00	0.00	51	82	0	0	0	34672	9613	0	0	0	25059
1057+00		105700	10.97	33.14	83.18	0.00	0.00	0.00	14	31	0	0	0	34686	9645	0	0	0	25042
1057+50		105750	50.00	26.76	111	0.00	0.00	0.00	55	180	0	0	0	34742	9824	0	0	0	24917
1058+00		105800	50.00	26.45	132.09	0.00	0.00	0.00	49	225	0	0	0	34791	10049	0	0	0	24742
1058+50		105850	50.00	26.73	166.27	0.00	0.00	0.00	49	276	0	0	0	34840	10326	0	0	0	24515
1059+00		105900	50.00	26.48	195.86	0.00	0.00	0.00	49	335	0	0	0	34889	10661	0	0	0	24229
1059+50		105950	50.00	27.74	218.88	0.00	0.00	0.00	50	384	0	0	0	34940	11045	0	0	0	23895
1059+91		105991	40.77	27.76	245.19	0.00	0.00	0.00	42	350	0	0	0	34982	11395	0	0	0	23586
1060+00		106000	9.23	27.42	233.54	0.00	0.00	0.00	9	82	0	0	0	34991	11477	0	0	0	23514
1060+50		106050	50.00	26.99	218.26	0.00	0.00	0.00	50	418	0	0	0	35041	11896	0	0	0	23146
1061+00		106100	50.00	27.52	213.96	0.00	0.00	0.00	50	400	0	0	0	35092	12296	0	0	0	22796
1061+50		106150	50.00	27.99	201.74	0.00	0.00	0.00	51	385	0	0	0	35143	12681	0	0	0	22463
1062+00		106200	50.00	26.09	222.68	0.00	0.00	0.00	50	393	0	0	0	35193	13074	0	0	0	22120
1062+50		106250	50.00	24.43	228.84	0.00	0.00	0.00	47	418	0	0	0	35240	13492	0	0	0	21748
1063+00		106300	50.00	23.49	264.86	0.00	0.00	0.00	44	457	0	0	0	35284	13949	0	0	0	21336
1063+50		106350	50.00	24.28	245.37	0.00	0.00	0.00	44	472	0	0	0	35329	14421	0	0	0	20907
1064+00		106400	50.00	24.76	247.62	0.00	0.00	0.00	45	456	0	0	0	35374	14878	0	0	0	20496
1064+50		106450	50.00	25.06	215.9	0.00	0.00	0.00	46	429	0	0	0	35420	15307	0	0	0	20113

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STAGE 2 - SB IH 39 OUTSIDE TEMPORARY WIDENING

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	
1065+00	106500	50.00	25.48	218.92	0.00	0.00	0.00	94	805	0	0	0	35514	16112	0	0	0	19402
1065+50	106550	50.00	25.50	221.83	0.00	0.00	0.00	47	408	0	0	0	35561	16520	0	0	0	19041
1066+00	106600	50.00	32.00	216.86	0.00	0.00	0.00	53	406	0	0	0	35614	16926	0	0	0	18688
1066+50	106650	50.00	30.73	215.25	0.00	0.00	0.00	58	400	0	0	0	35672	17327	0	0	0	18346
1067+00	106700	50.00	30.02	222.61	0.00	0.00	0.00	56	405	0	0	0	35729	17732	0	0	0	17997
1067+50	106750	50.00	30.91	226.61	0.00	0.00	0.00	56	416	0	0	0	35785	18148	0	0	0	17637
1068+00	106800	50.00	29.78	239.36	0.00	0.00	0.00	56	431	0	0	0	35841	18579	0	0	0	17262
1068+50	106850	50.00	30.32	228.35	0.00	0.00	0.00	56	433	0	0	0	35897	19012	0	0	0	16884
1069+00	106900	50.00	29.38	225.36	0.00	0.00	0.00	55	420	0	0	0	35952	19433	0	0	0	16520
1069+50	106950	50.00	30.07	220.68	0.00	0.00	0.00	55	413	0	0	0	36007	19846	0	0	0	16162
1070+00	107000	50.00	27.93	240.99	0.00	0.00	0.00	54	427	0	0	0	36061	20273	0	0	0	15788
1070+50	107050	50.00	28.40	246.51	0.00	0.00	0.00	52	451	0	0	0	36113	20724	0	0	0	15389
1070+56	107055.92	5.92	28.98	241	0.00	0.00	0.00	6	53	0	0	0	36119	20778	0	0	0	15342
1071+00	107100	44.08	30.91	205.79	0.00	0.00	0.00	49	365	0	0	0	36168	21143	0	0	0	15026
1071+50	107150	50.00	27.44	226.27	0.00	0.00	0.00	54	400	0	0	0	36222	21543	0	0	0	14680
1071+56	107155.532	5.53	27.10	235.76	0.00	0.00	0.00	6	47	0	0	0	36228	21590	0	0	0	14638
1072+00	107200	44.47	29.42	198.19	0.00	0.00	0.00	47	357	0	0	0	36274	21947	0	0	0	14327
1072+50	107250	50.00	29.13	189.61	0.00	0.00	0.00	54	359	0	0	0	36329	22306	0	0	0	14022
1073+00	107300	50.00	29.92	163.12	0.00	0.00	0.00	55	327	0	0	0	36383	22633	0	0	0	13750
1073+50	107350	50.00	31.02	128.51	0.00	0.00	0.00	56	270	0	0	0	36440	22903	0	0	0	13537
1074+00	107400	50.00	32.53	102.21	0.00	0.00	0.00	59	214	0	0	0	36499	23117	0	0	0	13382
1074+50	107450	50.00	31.33	73.99	0.00	0.00	0.00	59	163	0	0	0	36558	23280	0	0	0	13278
1075+00	107500	50.00	30.36	56.12	0.00	0.00	0.00	57	120	0	0	0	36615	23400	0	0	0	13215
1075+50	107550	50.00	34.55	41.66	0.00	0.00	0.00	60	91	0	0	0	36675	23491	0	0	0	13184
1076+00	107600	50.00	32.41	37.58	0.00	0.00	0.00	62	73	0	0	0	36737	23564	0	0	0	13173
1076+50	107650	50.00	45.39	29.87	0.00	0.00	0.00	72	62	0	0	0	36809	23627	0	0	0	13182
1077+00	107700	50.00	68.35	23.7	0.00	0.00	0.00	105	50	0	0	0	36914	23676	0	0	0	13238
1077+50	107750	50.00	94.07	23.6	0.00	0.00	0.00	150	44	0	0	0	37065	23720	0	0	0	13345
1078+00	107800	50.00	140.69	19.23	0.00	0.00	0.00	217	40	0	0	0	37282	23760	0	0	0	13522
1078+50	107850	50.00	170.14	19.5	0.00	0.00	0.00	288	36	0	0	0	37570	23795	0	0	0	13774
1079+00	107900	50.00	238.33	14.87	0.00	0.00	0.00	378	32	0	0	0	37948	23827	0	0	0	14121
1079+50	107950	50.00	70.42	12.48	0.00	0.00	278.93	286	25	0	0	258	38234	23853	0	0	258	14381
1080+00	108000	50.00	114.43	8.61	0.00	0.00	350.24	171	20	0	0	583	38405	23872	0	0	841	14533
1080+50	108050	50.00	124.30	5.21	0.00	0.00	384.38	221	13	0	0	680	38626	23885	0	0	1521	14741
1081+00	108100	50.00	94.48	3.67	0.00	0.00	430.13	203	8	0	0	754	38829	23893	0	0	2275	14936
1081+50	108150	50.00	113.92	1.37	0.00	0.00	433.96	193	5	0	0	800	39022	23898	0	0	3075	15124
1082+00	108200	50.00	126.67	1.11	0.00	0.00	440.92	223	2	0	0	810	39244	23900	0	0	3885	15344
1082+50	108250	50.00	116.28	1.36	0.00	0.00	440.01	225	2	0	0	816	39469	23902	0	0	4701	15567
1083+00	108300	50.00	118.74	4.86	0.00	0.00	429.38	218	6	0	0	805	39687	23908	0	0	5506	15779
1083+50	108350	50.00	138.47	5.71	0.00	0.00	388.48	238	10	0	0	757	39925	23918	0	0	6263	16007
1084+00	108400	50.00	112.10	5.65	0.00	0.00	354.43	232	11	0	0	688	40157	23929	0	0	6951	16229
1084+50	108450	50.00	91.92	5.46	0.00	0.00	311.34	189	10	0	0	616	40346	23939	0	0	7568	16407
1085+00	108500	50.00	87.08	5.24	0.00	0.00	265.96	166	10	0	0	535	40512	23949	0	0	8102	16563
1085+50	108550	50.00	83.44	5.15	0.00	0.00	228.08	158	10	0	0	457	40670	23958	0	0	8560	16711
1086+00	108600	50.00	245.26	7.94	0.00	0.00	0.00	304	12	0	0	211	40974	23970	0	0	8771	17004
1086+50	108650	50.00	164.83	6.98	0.00	0.00	0.00	380	14	0	0	0	41354	23984	0	0	8771	17370
1087+00	108700	50.00	139.36	8.8	0.00	0.00	0.00	282	15	0	0	0	41635	23999	0	0	8771	17637
1087+50	108750	50.00	108.26	12.44	0.00	0.00	0.00	229	20	0	0	0	41865	24019	0	0	8771	17846
1088+00	108800	50.00	102.79	10.85	0.00	0.00	0.00	195	22	0	0	0	42060	24040	0	0	8771	18020
1088+50	108850	50.00	106.38	8.68	0.00	0.00	0.00	194	18	0	0	0	42254	24058	0	0	8771	18196
1089+00	108900	50.00	100.06	7.12	0.00	0.00	0.00	191	15	0	0	0	42445	24073	0	0	8771	18372
1089+50	108950	50.00	96.72	8.44	0.00	0.00	0.00	182	14	0	0	0	42627	24087	0	0	8771	18540
1090+00	109000	50.00	73.78	11.62	0.00	0.00	0.00	158	19	0	0	0	42785	24106	0	0	8771	18679
1090+50	109050	50.00	51.33	14.04	0.00	0.00	0.00	116	24	0	0	0	42901	24130	0	0	8771	18771
1091+00	109100	50.00	37.61	15.6	0.00	0.00	0.00	82	27	0	0	0	42983	24157	0	0	8771	18826
1091+50	109150	50.00	33.30	15.89	0.00	0.00	0.00	66	29	0	0	0	43049	24186	0	0	8771	18863
1092+00	109200	50.00	33.09	14.95	0.00	0.00	0.00	61	29	0	0	0	43110	24215	0	0	8771	18896
1092+50	109250	50.00	37.79	12.77	0.00	0.00	0.00	66	26	0	0	0	43176	24240	0	0	8771	18936
1093+00	109300	50.00	45.87	9.76	0.00	0.00	0.00	77	21	0	0	0	43253	24261	0	0	8771	18992
1093+50	109350	50.00	59.29	7.98	0.00	0.00	0.00	97	16	0	0	0	43351	24278	0	0	8771	19073
1094+00	109400	50.00	43.18	7.08	0.00	0.00	0.00	95	14	0	0	0	43446	24292	0	0	8771	19154
1094+50	109450	50.00	42.76	6.99	0.00	0.00	0.00	80	13	0	0	0	43525	24305	0	0	8771	19221
1095+00	109500	50.00	33.52	7.84	0.00	0.00	0.00	71	14	0	0	0	43596	24318	0	0	8771	19278

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STAGE 2 - SB IH 39 OUTSIDE TEMPORARY WIDENING

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	
1095+50		109550	50.00	24.08	33.49	0.00	0.00	0.00	107	77	0	0	0	43703	24395	0	0	8771	19308
1096+00		109600	50.00	22.00	58.09	0.00	0.00	0.00	43	85	0	0	0	43745	24480	0	0	8771	19266
1096+50		109650	50.00	22.36	95.51	0.00	0.00	0.00	41	142	0	0	0	43786	24622	0	0	8771	19164
1097+00		109700	50.00	22.19	122.42	0.00	0.00	0.00	41	202	0	0	0	43828	24824	0	0	8771	19004
1097+50		109750	50.00	21.36	124.6	0.00	0.00	0.00	40	229	0	0	0	43868	25052	0	0	8771	18815
1098+00		109800	50.00	21.04	123.99	13.82	0.00	0.00	39	230	13	0	0	43907	25283	13	0	8771	18625
1098+50		109850	50.00	20.74	117.42	37.46	0.00	0.00	39	224	47	0	0	43946	25506	60	0	8771	18440
1099+00		109900	50.00	20.60	109.29	22.75	0.00	0.00	38	210	56	0	0	43984	25716	116	0	8771	18268
1099+50		109950	50.00	20.39	120.91	18.03	0.00	0.00	38	213	38	0	0	44022	25929	154	0	8771	18093
1100+00		110000	50.00	20.27	129.46	15.58	0.00	0.00	38	232	31	0	0	44060	26161	185	0	8771	17899
1100+50		110050	50.00	20.25	136.19	38.33	0.00	0.00	38	246	50	0	0	44097	26407	235	0	8771	17690
1101+00		110100	50.00	19.93	158.77	23.50	0.00	0.00	37	273	57	0	0	44134	26680	292	0	8771	17454
1101+50		110150	50.00	19.51	130.66	9.08	0.00	0.00	37	268	30	0	0	44171	26948	322	0	8771	17223
1102+00		110200	50.00	19.12	199.33	0.00	0.00	0.00	36	306	8	0	0	44207	27254	331	0	8771	16953
1102+27	BK	110227	27.41	18.97	244.9	0.00	0.00	0.00	19	225	0	0	0	44226	27479	331	0	8771	16747
1104+50	AH	110450	0.00	21.39	331.04	0.00	0.00	0.00	0	0	0	0	0	44226	27479	331	0	8771	16747
1105+00		110500	50.00	23.43	301.24	0.00	0.00	0.00	42	585	0	0	0	44268	28065	331	0	8771	16203
1105+50		110550	50.00	23.90	303.19	0.00	37.80	0.00	44	560	0	35	0	44311	28624	331	35	8771	15687
1106+00		110600	50.00	23.41	334.22	0.00	69.93	0.00	44	590	0	100	0	44355	29214	331	135	8771	15141
1106+50		110650	50.00	22.71	440.65	0.00	62.96	0.00	43	717	0	123	0	44398	29932	331	258	8771	14466
1107+00		110700	50.00	23.25	509.66	0.00	36.48	0.00	43	880	0	92	0	44440	30812	331	350	8771	13629
1107+50		110750	50.00	20.83	587.97	0.00	3.10	0.00	41	1016	0	37	0	44481	31828	331	387	8771	12653
1107+54		110754	4.00	21.04	586.67	0.00	1.03	0.00	3	87	0	0	0	44484	31915	331	387	8771	12569
1108+00		110800	46.00	29.53	383.43	0.00	14.95	0.00	43	826	0	14	0	44527	32742	331	400	8771	11786
1108+50		110850	50.00	42.90	274.11	0.00	11.15	0.00	67	609	0	24	0	44594	33350	331	425	8771	11244
1109+00		110900	50.00	45.36	197.98	0.00	44.24	0.00	82	437	0	51	0	44676	33787	331	476	8771	10889
1109+50		110950	50.00	42.97	161.14	0.00	78.44	0.00	82	333	0	114	0	44758	34120	331	589	8771	10638
1110+00		111000	50.00	32.24	146.83	0.00	33.57	0.00	70	285	0	104	0	44828	34405	331	693	8771	10422
1110+50		111050	50.00	22.83	140.06	0.00	3.03	0.00	51	266	0	34	0	44879	34671	331	727	8771	10208
1111+00		111100	50.00	20.01	133.49	0.00	0.00	0.00	40	253	0	3	0	44918	34924	331	730	8771	9994
1111+50		111150	50.00	20.26	125.07	0.00	0.00	0.00	37	239	0	0	0	44956	35163	331	730	8771	9792
1112+00		111200	50.00	20.19	116.46	0.00	0.00	0.00	37	224	0	0	0	44993	35387	331	730	8771	9606
1112+50		111250	50.00	19.99	106.94	0.00	0.00	0.00	37	207	0	0	0	45030	35594	331	730	8771	9436
1113+00		111300	50.00	19.94	116.96	0.00	0.00	0.00	37	207	0	0	0	45067	35801	331	730	8771	9266
1113+50		111350	50.00	19.93	129.63	0.00	0.00	0.00	37	228	0	0	0	45104	36030	331	730	8771	9075
1113+54		111354	4.36	19.92	137.73	0.00	0.00	0.00	3	22	0	0	0	45107	36051	331	730	8771	9056
1114+00		111400	45.64	20.14	81.5	0.00	0.00	0.00	34	185	0	0	0	45141	36236	331	730	8771	8905
1114+50		111450	50.00	20.21	58.2	0.00	0.00	0.00	37	129	0	0	0	45179	36366	331	730	8771	8813
1115+00		111500	50.00	31.03	36.7	0.00	0.00	0.00	47	88	0	0	0	45226	36454	331	730	8771	8772
1115+50		111550	50.00	64.92	21.98	0.00	0.00	0.00	89	54	0	0	0	45315	36508	331	730	8771	8807
1116+00		111600	50.00	116.92	16.63	0.00	0.00	0.00	168	36	0	0	0	45483	36544	331	730	8771	8939
1116+50		111650	50.00	180.96	16.45	0.00	0.00	0.00	276	31	0	0	0	45759	36574	331	730	8771	9185
1117+00		111700	50.00	234.40	16.98	0.00	0.00	0.00	385	31	0	0	0	46144	36605	331	730	8771	9538
1117+50		111750	50.00	275.80	18.18	0.00	0.00	0.00	472	33	0	0	0	46616	36638	331	730	8771	9978
1118+00		111800	50.00	304.92	18.16	0.00	0.00	0.00	538	34	0	0	0	47154	36672	331	730	8771	10482
1118+50		111850	50.00	270.79	16.68	0.00	0.00	0.00	533	32	0	0	0	47687	36704	331	730	8771	10983
1119+00		111900	50.00	246.19	15.62	0.00	0.00	0.00	479	30	0	0	0	48165	36734	331	730	8771	11432
1119+50		111950	50.00	255.84	15.39	0.00	0.00	0.00	465	29	0	0	0	48630	36762	331	730	8771	11868
1120+00		112000	50.00	242.02	18.67	0.00	0.00	0.00	461	32	0	0	0	49091	36794	331	730	8771	12297
1120+50		112050	50.00	232.75	18.36	0.00	0.00	0.00	440	34	0	0	0	49531	36828	331	730	8771	12703
1121+00		112100	50.00	231.43	17.87	0.00	0.00	0.00	430	34	0	0	0	49961	36862	331	730	8771	13099
1121+50		112150	50.00	226.48	17.75	0.00	0.00	0.00	424	33	0	0	0	50385	36895	331	730	8771	13490
1122+00		112200	50.00	219.22	17.41	0.00	0.00	0.00	413	33	0	0	0	50797	36927	331	730	8771	13870
1122+50		112250	50.00	222.41	17.15	0.00	0.00	0.00	409	32	0	0	0	51206	36959	331	730	8771	14247
1123+00		112300	50.00	219.86	17.09	0.00	0.00	0.00	410	32	0	0	0	51616	36991	331	730	8771	14625
1123+50		112350	50.00	200.63	16.58	0.00	0.00	0.00	372	31	0	0	0	51987	37022	331	730	8771	14966
1124+00		112400	50.00	178.21	15.02	0.00	0.00	0.00	351	29	0	0	0	52338	37051	331	730	8771	15287
1124+50		112450	50.00	154.63	13.2	0.00	0.00	0.00	308	26	0	0	0	52646	37077	331	730	8771	15569
1125+00		112500	50.00	149.62	11.25	0.00	0.00	0.00	282	23	0	0	0	52928	37100	331	730	8771	15828
1125+50		112550	50.00	131.06	10.05	0.00	0.00	0.00	260	20	0	0	0	53188	37120	331	730	8771	16068

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STAGE 2 - SB IH 39 OUTSIDE TEMPORARY WIDENING

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	
1125+52	112551.81	1.81	131.05	10.04	0.00	0.00	0.00	18	1	0	0	0	53205	37121	331	730	8771	16085
1126+00	112600	48.19	113.56	9.87	0.00	0.00	0.00	218	18	0	0	0	53424	37139	331	730	8771	16285
1126+50	112650	50.00	95.12	10.09	0.00	0.00	0.00	193	18	0	0	0	53617	37157	331	730	8771	16460
1127+00	112700	50.00	69.39	11.11	0.00	0.00	0.00	152	20	0	0	0	53769	37177	331	730	8771	16593
1127+50	112750	50.00	38.86	20.18	0.00	0.00	0.00	100	29	0	0	0	53870	37206	331	730	8771	16664
1128+00	112800	50.00	28.38	33.06	0.00	0.00	0.00	62	49	0	0	0	53932	37255	331	730	8771	16677
1128+50	112850	50.00	23.21	47.05	0.00	0.00	0.00	48	74	0	0	0	53980	37329	331	730	8771	16650
1129+00	112900	50.00	22.76	58.89	0.00	0.00	0.00	43	98	0	0	0	54022	37427	331	730	8771	16595
1129+50	112950	50.00	22.34	68.54	0.00	0.00	0.00	42	118	0	0	0	54064	37545	331	730	8771	16519
1130+00	113000	50.00	21.85	78.67	0.00	0.00	0.00	41	136	0	0	0	54105	37682	331	730	8771	16423
1130+50	113050	50.00	21.32	87.97	0.00	0.00	0.00	40	154	0	0	0	54145	37836	331	730	8771	16309
1131+00	113100	50.00	21.18	96.26	0.00	0.00	0.00	39	171	0	0	0	54184	38006	331	730	8771	16178
1131+50	113150	50.00	21.37	97.87	0.00	0.00	0.00	39	180	0	0	0	54224	38186	331	730	8771	16037
1132+00	113200	50.00	21.62	94.49	0.00	0.00	0.00	40	178	0	0	0	54263	38364	331	730	8771	15899
1132+50	113250	50.00	21.93	89.76	0.00	0.00	0.00	40	171	0	0	0	54304	38535	331	730	8771	15769
1133+00	113300	50.00	21.90	85.73	0.00	0.00	0.00	41	162	0	0	0	54344	38697	331	730	8771	15647
1133+50	113350	50.00	21.56	83.39	0.00	0.00	0.00	40	157	0	0	0	54385	38854	331	730	8771	15530
1134+00	113400	50.00	24.78	81.11	0.00	0.00	0.00	43	152	0	0	0	54427	39006	331	730	8771	15421
1134+50	113450	50.00	22.16	74.77	0.00	0.00	0.00	43	144	0	0	0	54471	39151	331	730	8771	15320
1135+00	113500	50.00	26.38	70.64	0.00	0.00	0.00	45	135	0	0	0	54516	39285	331	730	8771	15231
1135+50	113550	50.00	37.31	61.72	0.00	0.00	0.00	59	123	0	0	0	54575	39408	331	730	8771	15167
1136+00	113600	50.00	38.09	57.12	0.00	0.00	0.00	70	110	0	0	0	54645	39518	331	730	8771	15127
1136+50	113650	50.00	60.00	55.48	0.00	0.00	0.00	91	104	0	0	0	54735	39622	331	730	8771	15113
1136+53	113652.787	2.79	60.00	55.65	0.00	0.00	0.00	6	6	0	0	0	54742	39628	331	730	8771	15114
1137+00	113700	47.21	25.91	52.51	0.00	0.00	0.00	75	95	0	0	0	54817	39722	331	730	8771	15094
1137+50	113750	50.00	24.62	51.03	0.00	0.00	0.00	47	96	0	0	0	54864	39818	331	730	8771	15045
1138+00	113800	50.00	24.58	48.92	0.00	0.00	0.00	46	93	0	0	0	54909	39911	331	730	8771	14998
1138+50	113850	50.00	25.95	48.2	0.00	0.00	0.00	47	90	0	0	0	54956	40001	331	730	8771	14955
1139+00	113900	50.00	31.54	47.45	0.00	0.00	0.00	53	89	0	0	0	55009	40089	331	730	8771	14920
1139+50	113950	50.00	41.38	45.3	0.00	0.00	0.00	68	86	0	0	0	55077	40175	331	730	8771	14901
1140+00	114000	50.00	38.36	47	0.00	0.00	0.00	74	85	0	0	0	55150	40261	331	730	8771	14890
1140+50	114050	50.00	32.43	50.69	0.00	0.00	0.00	66	90	0	0	0	55216	40351	331	730	8771	14865
1141+00	114100	50.00	42.23	54.25	0.00	0.00	0.00	69	97	0	0	0	55285	40448	331	730	8771	14837
1141+50	114150	50.00	31.36	55.4	0.00	0.00	0.00	68	102	0	0	0	55353	40550	331	730	8771	14803
1142+00	114200	50.00	25.97	62.44	0.00	0.00	0.00	53	109	0	0	0	55406	40659	331	730	8771	14747
1142+50	114250	50.00	22.26	72.19	0.00	0.00	0.00	45	125	0	0	0	55451	40784	331	730	8771	14667
1143+00	114300	50.00	20.50	79.92	0.00	0.00	0.00	40	141	0	0	0	55491	40924	331	730	8771	14566
1143+50	114350	50.00	20.44	90.5	0.00	0.00	0.00	38	158	0	0	0	55529	41082	331	730	8771	14446
1144+00	114400	50.00	20.89	97.03	0.00	0.00	0.00	38	174	0	0	0	55567	41256	331	730	8771	14311
1144+50	114450	50.00	20.72	106.27	0.00	0.00	0.00	39	188	0	0	0	55605	41444	331	730	8771	14161
1144+54	114453.745	3.74	20.69	107.08	0.00	0.00	0.00	3	15	0	0	0	55608	41459	331	730	8771	14149
1145+00	114500	46.26	39.27	118.38	0.00	0.00	0.00	51	193	0	0	0	55660	41652	331	730	8771	14007
1145+50	114550	50.00	74.99	149.46	0.00	0.00	0.00	106	248	0	0	0	55765	41900	331	730	8771	13865
1145+60	114560.467	10.47	70.36	155.87	0.00	0.00	0.00	28	59	0	0	0	55793	41959	331	730	8771	13834
1146+00	114600	39.53	59.23	145.51	0.00	0.00	0.00	95	221	0	0	0	55888	42180	331	730	8771	13708
1146+50	114650	50.00	38.29	156.89	0.00	0.00	0.00	90	280	0	0	0	55979	42460	331	730	8771	13519
1147+00	114700	50.00	24.92	170.78	0.00	0.00	0.00	59	303	0	0	0	56037	42763	331	730	8771	13274
1147+50	114750	50.00	19.58	183.57	0.00	0.00	0.00	41	328	0	0	0	56078	43091	331	730	8771	12987
1147+55	114755.172	5.17	19.62	184.7	0.00	0.00	0.00	4	35	0	0	0	56082	43127	331	730	8771	12955
1148+00	114800	44.83	19.81	195.89	0.00	0.00	0.00	33	316	0	0	0	56115	43443	331	730	8771	12672
1148+50	114850	50.00	19.94	208.71	0.00	0.00	0.00	37	375	0	0	0	56152	43817	331	730	8771	12334
1149+00	114900	50.00	20.09	218.24	0.00	0.00	0.00	37	395	0	0	0	56189	44213	331	730	8771	11976
1149+50	114950	50.00	20.73	161.73	0.00	0.00	0.00	38	352	0	0	0	56227	44564	331	730	8771	11662
1150+00	115000	50.00	21.08	147.76	0.00	0.00	0.00	39	287	0	0	0	56265	44851	331	730	8771	11414
1150+50	115050	50.00	21.26	106.68	0.00	0.00	0.00	39	236	0	0	0	56304	45087	331	730	8771	11218
1151+00	115100	50.00	20.99	73.53	0.00	0.00	0.00	39	167	0	0	0	56344	45253	331	730	8771	11090
1151+50	115150	50.00	35.91	43.71	0.00	0.00	0.00	53	109	0	0	0	56396	45362	331	730	8771	11034
1152+00	115200	50.00	134.60	17.22	0.00	0.00	0.00	158	56	0	0	0	56554	45418	331	730	8771	11136
1152+50	115250	50.00	211.68	12.17	0.00	0.00	0.00	321	27	0	0	0	56875	45446	331	730	8771	11429
1153+00	115300	50.00	358.32	10.63	0.00	0.00	0.00	528	21	0	0	0	57403	45467	331	730	8771	11936
1153+50	115350	50.00	547.89	9.1	0.00	0.00	0.00	839	18	0	0	0	58242	45485	331	730	8771	12757
1154+00	115400	50.00	661.40	7.41	0.00	0.00	0.00	1120	15	0	0	0	59361	45500	331	730	8771	13861
1154+50	115450	50.00	600.20	9.66	0.00	0.00	0.00	1168	16	0	0	0	60530	45516	331	730	8771	15013

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STAGE 2 - SB IH 39 OUTSIDE TEMPORARY WIDENING

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	
1155+00	115500	50.00	440.90	11.78	0.00	0.00	0.00	1928	40	0	0	0	62457	45556	331	730	8771	16902
1155+50	115550	50.00	306.00	13.83	0.00	0.00	0.00	692	24	0	0	0	63149	45579	331	730	8771	17570
1156+00	115600	50.00	223.04	14.42	0.00	0.00	0.00	490	26	0	0	0	63639	45606	331	730	8771	18033
1156+50	115650	50.00	143.19	27.28	0.00	0.00	0.00	339	39	0	0	0	63978	45644	331	730	8771	18334
1157+00	115700	50.00	53.18	39.5	0.00	0.00	0.00	182	62	0	0	0	64160	45706	331	730	8771	18454
1157+50	115750	50.00	23.58	77.25	0.00	0.00	0.00	71	108	0	0	0	64231	45814	331	730	8771	18417
1158+00	115800	50.00	22.96	166.57	19.31	0.00	0.00	43	226	18	0	0	64274	46040	349	730	8771	18234
1158+38	115837.659	37.66	22.34	245.2	13.49	0.00	0.00	32	287	23	0	0	64306	46327	371	730	8771	17978
1158+42	115841.992	4.33	22.35	256.56	10.65	0.00	0.00	4	40	2	0	0	64309	46367	373	730	8771	17942
1158+50	115850	8.01	22.35	277.64	6.50	0.00	0.00	7	79	3	0	0	64316	46447	376	730	8771	17869
1159+00	115900	50.00	22.34	414.16	5.06	0.00	0.00	41	641	11	0	0	64357	47087	387	730	8771	17270
1159+50	115950	50.00	22.26	490.98	8.84	0.00	0.00	41	838	13	0	0	64398	47925	399	730	8771	16473
1160+00	116000	50.00	22.64	533.39	29.19	0.00	0.00	42	948	35	0	0	64440	48874	435	730	8771	15566
1160+50	116050	50.00	23.14	555.26	32.15	0.00	0.00	42	1008	57	0	0	64482	49882	491	730	8771	14601
1161+00	116100	50.00	23.06	584.05	40.65	0.00	0.00	43	1055	67	0	0	64525	50937	559	730	8771	13589
1161+50	116150	50.00	22.51	619.91	33.84	0.00	0.00	42	1115	69	0	0	64567	52051	628	730	8771	12516
1162+00	116200	50.00	23.13	592.62	78.45	0.00	0.00	42	1123	104	0	0	64610	53174	732	730	8771	11436
1162+50	116250	50.00	23.41	591.14	71.33	0.00	0.00	43	1096	139	0	0	64653	54270	871	730	8771	10383
1163+00	116300	50.00	22.42	637.09	26.89	0.00	0.00	42	1137	91	0	0	64695	55407	961	730	8771	9288
1163+11	116311.306	11.31	22.28	654.15	23.38	0.00	0.00	9	270	11	0	0	64705	55678	972	730	8771	9027
1163+19	116319.211	7.90	22.12	656.82	26.07	0.00	0.00	6	192	7	0	0	64711	55870	979	730	8771	8841
1163+50	116350	30.79	21.70	577.45	41.57	0.00	0.00	25	704	39	0	0	64736	56573	1018	730	8771	8163
1164+00	116400	50.00	21.10	645.07	54.86	0.00	0.00	40	1132	89	0	0	64776	57705	1107	730	8771	7070
1164+50	116450	50.00	21.16	638.28	43.25	0.00	0.00	39	1188	91	0	0	64815	58894	1198	730	8771	5921
1165+00	116500	50.00	21.86	526.39	0.00	0.00	0.00	40	1078	40	0	0	64855	59972	1238	730	8771	4883
1165+50	116550	50.00	21.53	505.58	0.00	0.00	0.00	40	956	0	0	0	64895	60928	1238	730	8771	3967
1166+00	116600	50.00	21.32	512.27	0.00	0.00	0.00	40	942	0	0	0	64934	61870	1238	730	8771	3064
1166+50	116650	50.00	23.27	527.37	0.00	0.00	0.00	41	963	0	0	0	64976	62833	1238	730	8771	2143
1167+00	116700	50.00	23.87	529.6	0.00	0.00	0.00	44	979	0	0	0	65019	63811	1238	730	8771	1208
1167+50	116750	50.00	23.78	517.17	0.00	0.00	0.00	44	969	0	0	0	65064	64781	1238	730	8771	283
1168+00	116800	50.00	23.60	489.9	0.00	0.00	0.00	44	932	0	0	0	65107	65713	1238	730	8771	-606
1168+50	116850	50.00	24.00	453.2	0.00	0.00	0.00	44	873	0	0	0	65151	66586	1238	730	8771	-1435
1169+00	116900	50.00	23.67	434.3	0.00	0.00	0.00	44	822	0	0	0	65196	67408	1238	730	8771	-2212
1169+50	116950	50.00	22.39	414.22	0.00	0.00	0.00	43	786	0	0	0	65238	68194	1238	730	8771	-2955
1169+83 BK	116983.452	33.45	27.56	303.31	0.00	0.00	0.00	31	444	0	0	0	65269	68638	1238	730	8771	-3369
1172+35 AH	117234.859	0.00	17.62	274.18	0.00	0.00	0.00	0	0	0	0	0	65269	68638	1238	730	8771	-3369
1172+50	117250	15.14	18.85	287.85	0.00	0.00	0.00	10	158	0	0	0	65279	68796	1238	730	8771	-3516
1173+00	117300	50.00	22.02	383.22	0.00	0.00	0.00	38	621	0	0	0	65317	69417	1238	730	8771	-4100
1173+50	117350	50.00	22.69	378.93	0.00	0.00	0.00	41	706	0	0	0	65359	70123	1238	730	8771	-4764
1174+00	117400	50.00	23.27	399.56	0.00	0.00	0.00	43	721	0	0	0	65401	70844	1238	730	8771	-5442
1174+50	117450	50.00	21.76	311.07	0.00	2.23	0.00	42	658	0	2	0	65443	71502	1238	732	8771	-6059
1175+00	117500	50.00	22.91	330.67	0.00	8.76	0.00	41	594	0	10	0	65484	72096	1238	742	8771	-6612
1175+36	117536.248	36.25	22.95	585.14	0.00	0.70	0.00	31	615	0	6	0	65515	72711	1238	748	8771	-7196
1175+50	117550	13.75	22.95	425.3	0.00	15.18	0.00	12	257	0	4	0	65527	72968	1238	753	8771	-7441
1176+00	117600	50.00	23.72	562.78	0.00	19.47	0.00	43	915	0	32	0	65570	73883	1238	785	8771	-8313
1176+50	117650	50.00	23.27	578.76	0.00	1.47	0.00	44	1057	0	19	0	65613	74940	1238	804	8771	-9326
1177+00	117700	50.00	23.19	529.41	0.00	0.00	0.00	43	1026	0	1	0	65657	75966	1238	805	8771	-10309
1177+27	117726.637	26.64	22.84	494.31	0.00	0.00	0.00	23	505	0	0	0	65679	76471	1238	805	8771	-10792
1177+50	117750	23.36	21.40	463.81	0.00	1.31	0.00	19	415	0	1	0	65698	76885	1238	806	8771	-11187
1178+00	117800	50.00	23.18	440.43	0.00	10.87	0.00	41	837	0	11	0	65740	77723	1238	817	8771	-11983
1178+50	117850	50.00	23.72	440.3	0.00	20.34	0.00	43	815	0	29	0	65783	78538	1238	846	8771	-12755
1179+00	117900	50.00	23.57	511.12	0.00	9.48	0.00	44	881	0	28	0	65827	79419	1238	874	8771	-13592
1179+50	117950	50.00	21.07	552.57	0.00	12.54	0.00	41	985	0	20	0	65868	80404	1238	894	8771	-14536
1180+00	118000	50.00	22.24	533.05	0.00	3.13	0.00	40	1005	0	15	0	65908	81409	1238	909	8771	-15501
1180+50	118050	50.00	23.24	503.88	0.00	52.85	0.00	42	960	0	52	0	65950	82369	1238	960	8771	-16419
1181+00	118100	50.00	22.69	548.29	0.00	100.87	0.00	43	974	0	142	0	65993	83344	1238	1103	8771	-17351
1181+50	118150	50.00	19.95	645.43	0.00	79.69	0.00	39	1105	0	167	0	66032	84449	1238	1270	8771	-18417
1182+00	118200	50.00	19.52	667.39	0.00	347.72	0.00	37	1216	0	396	0	66069	85664	1238	1666	8771	-19596
1182+50	118250	50.00	20.50	693.17	0.00	249.73	0.00	37	1260	0	553	0	66106	86924	1238	2219	8771	-20818
1183+00	118300	50.00	20.82	793.38	0.00	73.39	0.00	38	1376	0	299	0	66144	88301	1238	2518	8771	-22156
1183+50	118350	50.00	21.60	852.27	0.00	86.90	0.00	39	1524	0	148	0	66184	89824	1238	2667	8771	-23641
1184+00	118400	50.00	22.54	873.42	0.00	27.80	0.00	41	1598	0	106	0	66224	91422	1238	2773	8771	-25198
1184+50	118450	50.00	21.78	907.16	0.00	67.37	0.00	41	1649	0	88	0	66265	93071	1238	2861	8771	-26806

PROJECT ID 1007-10-88

STAGE 2 - SB IH 39 OUTSIDE TEMPORARY WIDENING

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	
1185+00	118500	50.00	22.19	909.12	0.00	36.29	0.00	81	3363	0	192	0	66347	96434	1238	3053	8771	-30088
1185+50	118550	50.00	24.77	851.43	0.00	30.38	0.00	43	1630	0	62	0	66390	98065	1238	3115	8771	-31674
1186+00	118600	50.00	26.25	805.62	0.00	19.07	0.00	47	1534	0	46	0	66438	99599	1238	3160	8771	-33161
1186+50	118650	50.00	27.17	737.21	0.00	0.00	0.00	49	1429	0	18	0	66487	101027	1238	3178	8771	-34540
1187+00	118700	50.00	27.63	687.98	0.00	0.00	0.00	51	1320	0	0	0	66538	102347	1238	3178	8771	-35809
1187+41	118740.703	40.70	27.50	660.7	0.00	0.00	0.00	42	1017	0	0	0	66579	103364	1238	3178	8771	-36784
1187+43	118743.191	2.49	27.50	658.72	0.00	0.00	0.00	3	61	0	0	0	66582	103424	1238	3178	8771	-36843
1187+50	118750	6.81	27.48	652.76	0.00	0.00	0.00	7	165	0	0	0	66589	103590	1238	3178	8771	-37001
1188+00	118800	50.00	26.85	597.09	0.00	0.00	0.00	50	1157	0	0	0	66639	104747	1238	3178	8771	-38108
1188+50	118850	50.00	24.92	552.33	0.00	0.00	0.00	48	1064	0	0	0	66687	105811	1238	3178	8771	-39124
1189+00	118900	50.00	24.45	452.85	0.00	0.00	0.00	46	931	0	0	0	66733	106742	1238	3178	8771	-40009
1189+50	118950	50.00	24.22	382.86	0.00	0.00	0.00	45	774	0	0	0	66778	107516	1238	3178	8771	-40738
1190+00	119000	50.00	24.25	299.45	0.00	0.00	0.00	45	632	0	0	0	66823	108148	1238	3178	8771	-41325
1190+50	119050	50.00	23.94	193.93	0.00	0.00	0.00	45	457	0	0	0	66867	108604	1238	3178	8771	-41737
1191+00	119100	50.00	24.26	73.82	0.00	0.00	0.00	45	248	0	0	0	66912	108852	1238	3178	8771	-41940
1191+50	119150	50.00	39.22	12.72	0.00	0.00	0.00	59	80	0	0	0	66971	108933	1238	3178	8771	-41962
1192+00	119200	50.00	144.79	1.62	0.00	0.00	0.00	170	13	0	0	0	67141	108946	1238	3178	8771	-41805
1192+50	119250	50.00	395.39	0.21	0.00	0.00	0.00	500	2	0	0	0	67641	108948	1238	3178	8771	-41306
1193+00	119300	50.00	133.81	0.36	0.00	0.00	597.42	490	1	0	0	553	68131	108948	1238	3178	9324	-40817
1193+50	119350	50.00	183.06	0.39	0.00	0.00	740.62	293	1	0	0	1239	68425	108949	1238	3178	10563	-40524
1194+00	119400	50.00	158.55	0.11	0.00	0.00	882.27	316	0	0	0	1503	68741	108949	1238	3178	12066	-40208
1194+50	119450	50.00	148.29	0.26	0.00	0.00	919.31	284	0	0	0	1668	69025	108950	1238	3178	13734	-39924
1195+00	119500	50.00	161.62	1.39	0.00	0.00	941.77	287	2	0	0	1723	69312	108951	1238	3178	15457	-39639
1195+50	119550	50.00	168.68	1.67	0.00	0.00	1034.99	306	3	0	0	1830	69618	108954	1238	3178	17287	-39336
1196+00	119600	50.00	201.94	1.26	0.00	0.00	1158.49	343	3	0	0	2031	69961	108957	1238	3178	19318	-38996
1196+50	119650	50.00	320.08	1.45	0.00	0.00	1455.65	483	3	0	0	2421	70444	108959	1238	3178	21739	-38515
1197+00	119700	50.00	228.82	1.18	0.00	0.00	1854.88	508	2	0	0	3065	70953	108962	1238	3178	24804	-38009
1197+50	119750	50.00	167.71	0.59	0.00	0.00	1752.38	367	2	0	0	3340	71320	108963	1238	3178	28144	-37643
1198+00	119800	50.00	204.06	0.4	0.00	0.00	1362.34	344	1	0	0	2884	71664	108964	1238	3178	31028	-37300
1198+50	119850	50.00	132.54	1.2	0.00	0.00	1089.9	312	1	0	0	2271	71976	108966	1238	3178	33299	-36990
1199+00	119900	50.00	127.29	1.98	0.00	0.00	855.57	241	3	0	0	1801	72216	108969	1238	3178	35100	-36752
1199+50	119950	50.00	130.16	2.7	0.00	0.00	664.91	238	4	0	0	1408	72455	108973	1238	3178	36508	-36518
1200+00	120000	50.00	119.01	2.96	0.00	0.00	543.66	231	5	0	0	1119	72685	108978	1238	3178	37627	-36293
1200+50	120050	50.00	121.36	3.27	0.00	0.00	384.94	223	6	0	0	860	72908	108984	1238	3178	38487	-36076
1201+00	120100	50.00	108.13	3.1	0.00	0.00	258.11	212	6	0	0	595	73120	108990	1238	3178	39082	-35869
1201+50	120150	50.00	116.63	3.04	0.00	0.00	142.94	208	6	0	0	371	73329	108995	1238	3178	39454	-35667
1202+00	120200	50.00	137.91	6.56	0.00	0.00	0.00	236	9	0	0	132	73564	109004	1238	3178	39586	-35440
1202+50	120250	50.00	120.37	10.27	0.00	0.00	0.00	239	16	0	0	0	73803	109020	1238	3178	39586	-35217
1202+67	120266.743	16.74	109.18	11.27	0.00	0.00	0.00	71	7	0	0	0	73875	109027	1238	3178	39586	-35152
1203+00	120300	33.26	93.82	13.42	0.00	0.00	0.00	125	15	0	0	0	74000	109042	1238	3178	39586	-35042
1203+50	120350	50.00	68.46	5.97	0.00	0.00	0.00	150	18	0	0	0	74150	109060	1238	3178	39586	-34910
1203+77	120376.918	26.92	139.95	0	0.00	0.00	0.00	104	3	0	0	0	74254	109063	1238	3178	39586	-34809
1203+79	120379.446	2.53	145.70	0	0.00	0.00	0.00	13	0	0	0	0	74267	109063	1238	3178	39586	-34796
1204+00	120400	20.55	76.81	0.02	0.00	0.00	0.00	85	0	0	0	0	74352	109063	1238	3178	39586	-34711
1204+50	120450	50.00	89.85	0	0.00	0.00	0.00	154	0	0	0	0	74506	109063	1238	3178	39586	-34557
1205+00	120500	50.00	80.11	0	0.00	0.00	0.00	157	0	0	0	0	74663	109063	1238	3178	39586	-34399
1205+50	120550	50.00	26.68	44.83	0.00	0.00	0.00	99	42	0	0	0	74762	109104	1238	3178	39586	-34342
1206+00	120600	50.00	30.84	26.56	0.00	0.00	0.00	53	66	0	0	0	74816	109170	1238	3178	39586	-34355
1206+50	120650	50.00	26.69	14.28	0.00	0.00	0.00	53	38	0	0	0	74869	109208	1238	3178	39586	-34339
1207+00	120700	50.00	29.97	36.39	0.00	0.00	0.00	52	47	0	0	0	74921	109255	1238	3178	39586	-34334
1207+50	120750	50.00	30.19	66.74	0.00	0.00	0.00	56	95	0	0	0	74977	109351	1238	3178	39586	-34374
1208+00	120800	50.00	44.18	53.91	0.00	0.00	0.00	69	112	0	0	0	75046	109462	1238	3178	39586	-34416
1208+42	120841.659	41.66	84.86	60.48	0.00	0.00	0.00	100	88	0	0	0	75145	109551	1238	3178	39586	-34405
1208+50	120850	8.34	72.40	48.88	0.00	0.00	0.00	24	17	0	0	0	75170	109567	1238	3178	39586	-34398
1209+00	120900	50.00	51.06	25.69	0.00	0.00	0.00	114	69	0	0	0	75284	109637	1238	3178	39586	-34352
1209+50	120950	50.00	127.57	5.23	0.00	0.00	0.00	165	29	0	0	0	75449	109665	1238	3178	39586	-34216
1210+00	121000	50.00	156.58	2.07	0.00	0.00	0.00	263	7	0	0	0	75713	109672	1238	3178	39586	-33959
1210+50	121050	50.00	127.13	6.37	0.00	0.00	0.00	263	8	0	0	0	75975	109680	1238	3178	39586	-33704
1211+00	121100	50.00	101.33	12.59	0.00	0.00	0.00	212	18	0	0	0	76187	109697	1238	3178	39586	-33510
1211+50	121150	50.00	62.06	27.69	0.00	0.00	0.00	151	37	0	0	0	76338	109735	1238	3178	39586	-33396
1212+00	121200	50.00	25.50	47.39	0.00	0.00	0.00	81	70	0	0	0	76419	109804	1238	3178	39586	-33385
1212+44	121243.611	43.61	25.50	63.76	0.00	0.00	0.00	41	90	0	0	0	76460	109894	1238	3178	39586	-33434
1212+50	121250	6.39	25.50	66.3	0.00	0.00	0.00	6	15	0	0	0	76466	109909	1238	3178	39586	-33443

PROJECT ID 1007-10-88

STAGE 2 - SB IH 39 OUTSIDE TEMPORARY WIDENING

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	
1213+00	121300	50.00	25.50	106	0.00	0.00	0.00	47	196	0	0	0	76514	110106	1238	3178	39586	-33592
1213+50	121350	50.00	25.50	154.04	0.00	0.00	0.00	47	241	0	0	0	76561	110346	1238	3178	39586	-33785
1214+00	121400	50.00	25.50	211.49	0.00	0.00	0.00	47	338	0	0	0	76608	110685	1238	3178	39586	-34077
1214+50	121450	50.00	25.50	209.06	0.00	0.00	0.00	47	389	0	0	0	76655	111074	1238	3178	39586	-34419
1215+00	121500	50.00	25.50	224.43	0.00	0.00	0.00	47	401	0	0	0	76702	111476	1238	3178	39586	-34773
1215+50	121550	50.00	25.50	241.89	0.00	0.00	0.00	47	432	0	0	0	76750	111907	1238	3178	39586	-35158
1216+00	121600	50.00	25.50	247.98	0.00	0.00	0.00	47	454	0	0	0	76797	112361	1238	3178	39586	-35564
1216+50	121650	50.00	25.50	246.71	0.00	0.00	0.00	47	458	0	0	0	76844	112819	1238	3178	39586	-35975
1217+00	121700	50.00	25.50	240.89	0.00	0.00	0.00	47	451	0	0	0	76891	113270	1238	3178	39586	-36379
1217+50	121750	50.00	25.50	236.01	0.00	0.00	0.00	47	442	0	0	0	76939	113712	1238	3178	39586	-36773
1218+00	121800	50.00	25.50	234.31	0.00	0.00	0.00	47	435	0	0	0	76986	114147	1238	3178	39586	-37162
1218+35	121835.053	35.05	25.50	248.79	0.00	0.00	0.00	33	314	0	0	0	77019	114461	1238	3178	39586	-37442
1218+50	121850	14.95	25.50	234.24	0.00	0.00	0.00	14	134	0	0	0	77033	114595	1238	3178	39586	-37562
1219+00	121900	50.00	25.50	203.93	0.00	0.00	0.00	47	406	0	0	0	77080	115000	1238	3178	39586	-37920
1219+50	121950	50.00	25.50	176.33	0.00	0.00	0.00	47	352	0	0	0	77127	115353	1238	3178	39586	-38225
1220+00	122000	50.00	26.03	69.86	0.00	0.00	0.00	48	228	0	0	0	77175	115581	1238	3178	39586	-38405
1220+40	122039.611	39.61	51.43	7.63	0.00	0.00	0.00	57	57	0	0	0	77232	115637	1238	3178	39586	-38405
1220+50	122050	10.39	91.43	2.27	0.00	0.00	0.00	27	2	0	0	0	77260	115639	1238	3178	39586	-38380
1221+00	122100	50.00	237.09	0.74	0.00	0.00	0.00	304	3	0	0	0	77564	115642	1238	3178	39586	-38078
1221+50	122150	50.00	326.50	0.12	0.00	0.00	0.00	522	1	0	0	0	78086	115643	1238	3178	39586	-37557
1222+00	122200	50.00	375.14	0	0.00	0.00	0.00	650	0	0	0	0	78735	115643	1238	3178	39586	-36908
1222+50	122250	50.00	418.96	0	0.00	0.00	0.00	735	0	0	0	0	79470	115643	1238	3178	39586	-36173
1223+00	122300	50.00	491.26	0	0.00	0.00	0.00	843	0	0	0	0	80313	115643	1238	3178	39586	-35330
1223+50	122350	50.00	517.17	0	0.00	0.00	0.00	934	0	0	0	0	81247	115643	1238	3178	39586	-34396
1224+00	122400	50.00	524.99	0.13	0.00	0.00	0.00	965	0	0	0	0	82212	115643	1238	3178	39586	-33431
1224+50	122450	50.00	164.56	0.53	0.00	0.00	0.00	638	1	0	0	0	82850	115644	1238	3178	39586	-32793
1224+64	122463.717	13.72	28.79	8.64	0.00	0.00	0.00	49	2	0	0	0	82900	115646	1238	3178	39586	-32746
1225+00	122500	36.28	28.20	10.25	0.00	0.00	0.00	38	13	0	0	0	82938	115659	1238	3178	39586	-32721
1225+02	122501.512	1.51	28.20	10.24	0.00	0.00	0.00	2	1	0	0	0	82939	115659	1238	3178	39586	-32720
1225+50	122550	48.49	28.00	10.3	0.00	0.00	0.00	50	18	0	0	0	82990	115678	1238	3178	39586	-32688
1226+00	122600	50.00	27.43	10.35	0.00	0.00	0.00	51	19	0	0	0	83041	115697	1238	3178	39586	-32656
1226+50	122650	50.00	76.30	7.83	0.00	0.00	0.00	96	17	0	0	0	83137	115714	1238	3178	39586	-32576
1227+00	122700	50.00	149.00	6.95	0.00	0.00	0.00	209	14	0	0	0	83346	115727	1238	3178	39586	-32382
1227+50	122750	50.00	91.99	5.15	0.00	0.00	0.00	223	11	0	0	0	83569	115739	1238	3178	39586	-32170
1228+00	122800	50.00	44.75	7.86	0.00	0.00	0.00	127	12	0	0	0	83696	115751	1238	3178	39586	-32055
1228+39	122839.253	39.25	36.06	12.22	0.00	0.00	0.00	59	15	0	0	0	83754	115765	1238	3178	39586	-32011
1228+50	122850	10.75	36.66	11.47	0.00	0.00	0.00	14	5	0	0	0	83769	115770	1238	3178	39586	-32001
1229+00	122900	50.00	43.70	7.81	0.00	0.00	0.00	74	18	0	0	0	83843	115788	1238	3178	39586	-31945
1229+50	122950	50.00	49.90	5.31	0.00	0.00	0.00	87	12	0	0	0	83930	115800	1238	3178	39586	-31870
1230+00	123000	50.00	51.21	3.58	0.00	0.00	0.00	94	8	0	0	0	84024	115808	1238	3178	39586	-31785
1230+50	123050	50.00	73.28	3.56	0.00	0.00	0.00	115	7	0	0	0	84139	115815	1238	3178	39586	-31676
1231+00	123100	50.00	127.31	4.64	0.00	0.00	0.00	186	8	0	0	0	84325	115822	1238	3178	39586	-31498
1231+50	123150	50.00	206.94	2.68	0.00	0.00	0.00	309	7	0	0	0	84634	115829	1238	3178	39586	-31195
1232+00	123200	50.00	292.81	2.51	0.00	0.00	0.00	463	5	0	0	0	85097	115834	1238	3178	39586	-30737
1232+50	123250	50.00	419.71	2.75	0.00	0.00	0.00	660	5	0	0	0	85756	115839	1238	3178	39586	-30082
1233+00	123300	50.00	657.17	2.75	0.00	0.00	0.00	997	5	0	0	0	86754	115844	1238	3178	39586	-29090
1233+50	123350	50.00	963.30	2.48	0.00	0.00	0.00	1500	5	0	0	0	88254	115849	1238	3178	39586	-27595
1234+00	123400	50.00	1162.45	2.61	0.00	0.00	0.00	1968	5	0	0	0	90222	115853	1238	3178	39586	-25631
1234+50	123450	50.00	1197.47	3.02	0.00	0.00	0.00	2185	5	0	0	0	92407	115859	1238	3178	39586	-23451
1235+00	123500	50.00	1128.36	3.68	0.00	0.00	0.00	2154	6	0	0	0	94561	115865	1238	3178	39586	-21304
1235+50	123550	50.00	895.38	5.08	0.00	0.00	0.00	1874	8	0	0	0	96435	115873	1238	3178	39586	-19438
1236+00	123600	50.00	555.37	6.54	0.00	0.00	0.00	1343	11	0	0	0	97778	115884	1238	3178	39586	-18106
1236+50	123650	50.00	320.04	7.67	0.00	0.00	0.00	811	13	0	0	0	98589	115897	1238	3178	39586	-17308
1237+00	123700	50.00	208.61	8.75	0.00	0.00	0.00	489	15	0	0	0	99078	115912	1238	3178	39586	-16834
1237+50	123750	50.00	139.77	12.6	0.00	0.00	0.00	323	20	0	0	0	99401	115932	1238	3178	39586	-16531
1238+00	123800	50.00	31.66	38.35	0.00	0.00	0.00	159	47	0	0	0	99559	115979	1238	3178	39586	-16420
1238+50	123850	50.00	23.14	61.27	0.00	0.00	0.00	51	92	0	0	0	99610	116071	1238	3178	39586	-16461
1238+93	123893.142	43.14	23.43	118.82	0.00	0.00	0.00	37	144	0	0	0	99647	116215	1238	3178	39586	-16568
1239+00	123900	6.86	23.13	129.66	0.00	0.00	0.00	6	32	0	0	0	99653	116247	1238	3178	39586	-16593
1239+50	123950	50.00	21.66	198.65	0.00	0.00	0.00	41	304	0	0	0	99695	116551	1238	3178	39586	-16856
1240+00	124000	50.00	22.53	198.82	10.02	0.00	0.00	41	368	9	0	0	99736	116919	1247	3178	39586	-17183
1240+50	124050	50.00	22.40	438.68	4.19	0.00	0.00	42	590	13	0	0	99777	117509	1260	3178	39586	-17732
1240+51	124051.374	1.37	22.36	383.37	22.10	0.00	0.00	1	21	1	0	0	99778	117530	1261	3178	39586	-17752

PROJECT ID 1007-10-88

STAGE 2 - SB IH 39 OUTSIDE TEMPORARY WIDENING

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	
1241+00		124100	48.63	21.80	149.41	25.53	0.00	0.00	80	960	86	0	0	99858	118489	1347	3178	39586	-18632
1241+50		124150	50.00	22.53	116.94	25.22	0.00	0.00	41	247	47	0	0	99899	118736	1394	3178	39586	-18837
1242+00		124200	50.00	23.50	96.89	18.73	0.00	0.00	43	198	41	0	0	99942	118934	1435	3178	39586	-18992
1242+50		124250	50.00	28.44	59.07	10.17	0.00	0.00	48	144	27	0	0	99990	119079	1461	3178	39586	-19089
1243+00		124300	50.00	31.72	36.1	9.38	0.00	0.00	56	88	18	0	0	100045	119167	1479	3178	39586	-19121
1243+50		124350	50.00	30.65	31.81	9.09	0.00	0.00	58	63	17	0	0	100103	119230	1497	3178	39586	-19126
1244+00		124400	50.00	28.63	29	7.93	0.00	0.00	55	56	16	0	0	100158	119286	1512	3178	39586	-19128
1244+50		124450	50.00	30.41	39.65	0.00	0.00	0.00	55	64	7	0	0	100213	119349	1520	3178	39586	-19137
1245+00		124500	50.00	31.76	28.64	0.00	0.00	0.00	58	63	0	0	0	100270	119413	1520	3178	39586	-19142
1245+50		124550	50.00	30.35	11.42	0.00	0.00	0.00	58	37	0	0	0	100328	119450	1520	3178	39586	-19122
1246+00	BK	124599.5	49.50	44.23	7.85	0.00	0.00	0.00	68	18	0	0	0	100396	119467	1520	3178	39586	-19071
								COLUMN TOTALS	100396	119467	1520	3178	39586						

PROJECT ID 1007-10-88

STAGE 2 - CSD DRIVEWAY

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	
8+75	AH	875.009	0.00	14.61	0	0.00	0.00	0	0	0	0	0	0	0	0	0
9+00		900	24.99	27.34	0	0.00	0.00	19	0	0	0	19	0	0	0	19
9+25		925	25.00	17.38	0.4	0.00	0.00	21	0	0	0	40	0	0	0	40
9+50		950	25.00	18.43	0.46	0.00	0.00	17	0	0	0	57	1	0	0	56
9+75		975	25.00	24.22	0.93	0.00	0.00	20	1	0	0	76	1	0	0	75
10+00		1000	25.00	48.97	0.61	0.00	0.00	34	1	0	0	110	2	0	0	108
10+25		1025	25.00	68.84	2.09	0.00	0.00	55	1	0	0	165	3	0	0	162
10+50		1050	25.00	46.10	1.21	0.00	0.00	53	2	0	0	218	5	0	0	213
10+75		1075	25.00	8.76	0	0.00	0.00	25	1	0	0	243	5	0	0	238
10+90	BK	1090	15.00	7.29	0	0.00	0.00	4	0	0	0	248	5	0	0	243
							COLUMN TOTALS	248	5	0	0					

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PROJECT ID 1007-10-88
STAGE 2 - 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
47+95	AH	4795	0.00	1.93	0	0.00	0.00	0	0	0	0	0	0	0	0	0
48+00		4800	5.00	1.93	0	0.00	0.00	0	0	0	0	0	0	0	0	0
48+20		4819.62	19.62	5.08	0.37	0.00	0.00	3	0	0	0	3	0	0	0	3
48+25		4825	5.38	5.77	0.74	0.00	0.00	1	0	0	0	4	0	0	0	4
48+50		4850	25.00	7.02	36.43	0.00	0.00	6	17	0	0	10	17	0	0	-8
48+75		4875	25.00	7.07	1.92	0.00	0.00	7	18	0	0	16	35	0	0	-19
49+00		4900	25.00	6.94	2.74	0.00	0.00	6	2	0	0	23	37	0	0	-14
49+25		4925	25.00	7.11	1.51	0.00	0.00	7	2	0	0	29	39	0	0	-10
49+50		4950	25.00	6.74	0.8	0.00	0.00	6	1	0	0	36	40	0	0	-5
49+75		4975	25.00	4.93	4.94	0.00	0.00	5	3	0	0	41	43	0	0	-2
50+00		5000	25.00	4.96	2.66	0.00	0.00	5	4	0	0	46	47	0	0	-1
50+25		5025	25.00	5.53	1.56	0.00	0.00	5	2	0	0	51	49	0	0	2
50+50		5050	25.00	7.24	0.73	0.00	0.00	6	1	0	0	57	50	0	0	7
50+75		5075	25.00	6.83	0.75	0.00	0.00	7	1	0	0	63	50	0	0	13
51+00		5100	25.00	4.55	2.3	0.00	0.00	5	1	0	0	68	52	0	0	17
51+25		5125	25.00	4.77	2.27	0.00	0.00	4	2	0	0	73	54	0	0	19
51+50		5150	25.00	6.10	1.9	0.00	0.00	5	2	0	0	78	56	0	0	22
51+75		5175	25.00	3.23	1.67	0.00	0.00	4	2	0	0	82	57	0	0	25
52+00		5200	25.00	7.91	0.23	0.00	0.00	5	1	0	0	87	58	0	0	29
52+25		5225	25.00	7.99	0.31	0.00	0.00	7	0	0	0	95	59	0	0	36
52+50		5250	25.00	7.82	4.97	0.00	0.00	7	2	0	0	102	61	0	0	41
52+75		5275	25.00	5.86	7.84	0.00	0.00	6	6	0	0	108	67	0	0	41
52+90		5289.715	14.72	4.06	0.03	0.00	0.00	3	2	0	0	111	69	0	0	42
53+04	BK	5303.518	13.80	1.85	0.01	0.00	0.00	2	0	0	0	112	69	0	0	43
							COLUMN TOTALS	112	69	0	0					

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PROJECT NO: 1007-10-88 | HWY: IH 39 | COUNTY: DANE | COMPUTER EARTHWORK DATA | SHEET E

FILE NAME : P:\AE\D\DANEL\119189\Civil 3D\10071001\SheetsPlan\10071088\SEC 09 Computer Earthwork Data\090100_ew.dwg PLOT DATE : 3/3/2017 8:53 AM PLOT BY : SEH INC LAYOUT NAME : 090115_EW PLOT SCALE : NTS
WISDOT/CADDS SHEET 49

PROJECT ID 1007-10-88
STAGE 2 - 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
47+60	AH	4760.087	0.00	3.59	0.07	0.00	0.00	0	0	0	0	0	0	0	0	0
47+75		4775	14.91	3.52	0.11	0.00	0.00	2	0	0	0	2	0	0	0	2
48+00		4800	25.00	4.50	7.94	0.00	0.00	4	4	0	0	6	4	0	0	2
48+15		4815.28	15.28	8.65	1.02	0.00	0.00	4	3	0	0	9	6	0	0	3
48+25		4825	9.72	8.68	1.03	0.00	0.00	3	0	0	0	13	7	0	0	6
48+50		4850	25.00	9.13	44	0.00	0.00	8	21	0	0	21	28	0	0	-7
48+75		4875	25.00	9.60	1.62	0.00	0.00	9	21	0	0	29	49	0	0	-19
49+00		4900	25.00	9.30	4.49	0.00	0.00	9	3	0	0	38	51	0	0	-13
49+25		4925	25.00	9.60	1.39	0.00	0.00	9	3	0	0	47	54	0	0	-7
49+50		4950	25.00	9.82	1.36	0.00	0.00	9	1	0	0	56	55	0	0	0
49+75		4975	25.00	10.26	0.82	0.00	0.00	9	1	0	0	65	56	0	0	9
50+00		5000	25.00	11.06	0.42	0.00	0.00	10	1	0	0	75	57	0	0	18
50+25		5025	25.00	11.34	0.17	0.00	0.00	10	0	0	0	85	57	0	0	28
50+50		5050	25.00	10.26	0.24	0.00	0.00	10	0	0	0	95	58	0	0	38
50+75		5075	25.00	10.80	0.31	0.00	0.00	10	0	0	0	105	58	0	0	47
51+00		5100	25.00	10.37	0.35	0.00	0.00	10	0	0	0	115	58	0	0	57
51+25		5125	25.00	10.52	0.18	0.00	0.00	10	0	0	0	125	58	0	0	66
51+50		5150	25.00	11.59	0.04	0.00	0.00	10	0	0	0	135	58	0	0	76
51+75		5175	25.00	11.01	0.13	0.00	0.00	10	0	0	0	145	59	0	0	87
52+00		5200	25.00	10.88	0.28	0.00	0.00	10	0	0	0	156	59	0	0	97
52+25		5225	25.00	9.73	4.19	0.00	0.00	10	2	0	0	165	61	0	0	104
52+50		5250	25.00	8.13	1.09	0.00	0.00	8	2	0	0	173	63	0	0	110
52+70		5270.269	20.27	8.17	1.21	0.00	0.00	6	1	0	0	179	64	0	0	115
52+75		5275	4.73	5.16	0.8	0.00	0.00	1	0	0	0	181	64	0	0	116
53+00		5300	25.00	5.11	1.37	0.00	0.00	5	1	0	0	185	65	0	0	120
53+25		5325	25.00	4.31	38.96	0.00	0.00	4	19	0	0	190	84	0	0	106
53+50		5350	25.00	3.05	0.44	0.00	0.00	3	18	0	0	193	102	0	0	91
53+69	BK	5369.259	19.26	3.05	0.65	0.00	0.00	2	0	0	0	195	103	0	0	93
							COLUMN TOTALS	195	103	0	0					

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PROJECT ID 1007-10-88

STAGE 2 - 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
48+51	AH	4850.502	0.00	1.79	13.02	0.00	0.00	0	0	0	0	0	0	0	0	0
48+75		4875	24.50	1.74	11.59	0.00	0.00	2	11	0	0	2	11	0	0	-10
49+00		4900	25.00	1.96	28.56	0.00	0.00	2	19	0	0	3	30	0	0	-26
49+05		4905.1	5.10	5.37	12.77	0.00	0.00	1	4	0	0	4	34	0	0	-30
49+25		4925	19.90	5.25	10.01	0.00	0.00	4	8	0	0	8	42	0	0	-34
49+50		4950	25.00	6.36	6.57	0.00	0.00	5	8	0	0	13	50	0	0	-36
49+75		4975	25.00	7.25	5.84	0.00	0.00	6	6	0	0	20	55	0	0	-36
49+87		4986.615	11.61	7.80	13.13	0.00	0.00	3	4	0	0	23	60	0	0	-37
50+00		5000	13.39	8.35	8.45	0.00	0.00	4	5	0	0	27	65	0	0	-38
50+25		5025	25.00	10.00	2.36	0.00	0.00	8	5	0	0	35	70	0	0	-35
50+50		5050	25.00	10.03	1.4	0.00	0.00	9	2	0	0	45	72	0	0	-27
50+75		5075	25.00	10.32	0.6	0.00	0.00	9	1	0	0	54	73	0	0	-19
51+00		5100	25.00	10.47	0.52	0.00	0.00	10	1	0	0	64	73	0	0	-9
51+25		5125	25.00	11.68	0.6	0.00	0.00	10	1	0	0	74	74	0	0	0
51+50		5150	25.00	10.73	0.43	0.00	0.00	10	0	0	0	84	74	0	0	10
51+75		5175	25.00	9.76	0.44	0.00	0.00	9	0	0	0	94	74	0	0	19
52+00		5200	25.00	9.80	0.47	0.00	0.00	9	0	0	0	103	75	0	0	28
52+25		5225	25.00	10.91	0.26	0.00	0.00	10	0	0	0	112	75	0	0	37
52+50		5250	25.00	10.91	0.78	0.00	0.00	10	0	0	0	123	76	0	0	47
52+75		5275	25.00	10.24	1.77	0.00	0.00	10	1	0	0	132	77	0	0	55
53+00		5300	25.00	9.85	2.77	0.00	0.00	9	2	0	0	142	79	0	0	63
53+25		5325	25.00	9.47	4.82	0.00	0.00	9	4	0	0	151	83	0	0	68
53+50		5350	25.00	9.02	6.18	0.00	0.00	9	5	0	0	159	88	0	0	71
53+75		5375	25.00	8.69	61.46	0.00	0.00	8	31	0	0	167	119	0	0	48
54+00		5400	25.00	7.91	3.21	0.00	0.00	8	30	0	0	175	149	0	0	26
54+23		5422.978	22.98	6.33	0.58	0.00	0.00	6	2	0	0	181	150	0	0	31
54+50		5450	27.02	3.30	0.19	0.00	0.00	5	0	0	0	186	151	0	0	35
54+51	BK	5451.445	1.44	3.30	0.19	0.00	0.00	0	0	0	0	186	151	0	0	35
							COLUMN TOTALS	186	151	0	0					

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PROJECT ID 1007-10-88

STAGE 3 - SB IH 39 MEDIAN

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	
1004+50 AH	100450	0.00	16.24	0	0.00	0.00	0	0	0	0	0	0	0	0	0
1005+00	100500	50.00	16.34	0	0.00	0.00	30	0	0	0	30	0	0	0	30
1005+50	100550	50.00	16.50	0	0.00	0.00	30	0	0	0	61	0	0	0	61
1006+00	100600	50.00	16.27	0	0.00	0.00	30	0	0	0	91	0	0	0	91
1006+50	100650	50.00	16.56	0	0.00	0.00	30	0	0	0	121	0	0	0	121
1007+00	100700	50.00	17.40	0	0.00	0.00	31	0	0	0	153	0	0	0	153
1007+50	100750	50.00	17.75	0	0.00	0.00	33	0	0	0	185	0	0	0	185
1008+00	100800	50.00	113.94	0	0.00	0.00	122	0	0	0	307	0	0	0	307
1008+50	100850	50.00	102.90	0	0.00	0.00	201	0	0	0	508	0	0	0	508
1009+00	100900	50.00	98.74	0	0.00	0.00	187	0	0	0	695	0	0	0	695
1009+50	100950	50.00	88.83	0	0.00	0.00	174	0	0	0	868	0	0	0	868
1010+00	101000	50.00	78.00	0	0.00	0.00	154	0	0	0	1023	0	0	0	1023
1010+01	101001.452	1.45	77.66	0	0.00	0.00	4	0	0	0	1027	0	0	0	1027
1010+50	101050	48.55	67.44	0.67	0.00	0.00	130	1	0	0	1158	1	0	0	1157
1011+00	101100	50.00	58.12	2.67	0.00	0.00	116	3	0	0	1274	4	0	0	1270
1011+50	101150	50.00	57.65	5.53	0.00	0.00	107	8	0	0	1381	11	0	0	1370
1012+00	101200	50.00	13.14	4.81	0.00	0.00	66	10	0	0	1447	21	0	0	1426
1012+50	101250	50.00	11.48	7.26	0.00	0.00	23	11	0	0	1469	32	0	0	1437
1013+00	101300	50.00	10.73	8.6	0.00	0.00	21	15	0	0	1490	47	0	0	1443
1013+50	101350	50.00	11.12	8.75	0.00	0.00	20	16	0	0	1510	63	0	0	1447
1014+00	101400	50.00	11.52	9.18	0.00	0.00	21	17	0	0	1531	79	0	0	1452
1014+50	101450	50.00	11.90	7.8	0.00	0.00	22	16	0	0	1553	95	0	0	1458
1015+00	101500	50.00	12.32	6.26	0.00	0.00	22	13	0	0	1575	108	0	0	1467
1015+50	101550	50.00	12.71	4.7	0.00	0.00	23	10	0	0	1598	118	0	0	1480
1016+00	101600	50.00	13.12	3.9	0.00	0.00	24	8	0	0	1622	126	0	0	1496
1016+50	101650	50.00	13.53	2.38	0.00	0.00	25	6	0	0	1647	132	0	0	1515
1017+00	101700	50.00	13.94	1.83	0.00	0.00	25	4	0	0	1672	136	0	0	1536
1017+50	101750	50.00	14.34	0.61	0.00	0.00	26	2	0	0	1699	138	0	0	1560
1018+00	101800	50.00	17.57	0.58	0.00	0.00	30	1	0	0	1728	139	0	0	1589
1018+50	101850	50.00	16.09	0.79	0.00	0.00	31	1	0	0	1759	141	0	0	1619
1019+00	101900	50.00	14.62	1.05	0.00	0.00	28	2	0	0	1788	142	0	0	1645
1019+50	101950	50.00	20.17	0.47	0.00	0.00	32	1	0	0	1820	144	0	0	1676
1020+00	102000	50.00	19.19	0.37	0.00	0.00	36	1	0	0	1856	144	0	0	1712
1020+50	102050	50.00	19.55	0.3	0.00	0.00	36	1	0	0	1892	145	0	0	1747
1021+00	102100	50.00	20.92	0	0.00	0.00	37	0	0	0	1930	145	0	0	1784
1021+50	102150	50.00	21.64	0	0.00	0.00	39	0	0	0	1969	145	0	0	1824
1022+00	102200	50.00	20.76	0	0.00	0.00	39	0	0	0	2008	145	0	0	1863
1022+50	102250	50.00	20.03	0.02	0.00	0.00	38	0	0	0	2046	145	0	0	1901
1023+00	102300	50.00	21.20	0	0.00	0.00	38	0	0	0	2084	145	0	0	1939
1023+50	102350	50.00	20.41	0	0.00	0.00	39	0	0	0	2123	145	0	0	1977
1024+00	102400	50.00	20.33	0	0.00	0.00	38	0	0	0	2161	145	0	0	2015
1024+50	102450	50.00	20.14	0.47	0.00	0.00	37	0	0	0	2198	146	0	0	2052
1025+00	102500	50.00	20.05	0	0.00	0.00	37	0	0	0	2235	146	0	0	2089
1025+50	102550	50.00	18.37	0.82	0.00	0.00	36	1	0	0	2271	147	0	0	2124
1026+00	102600	50.00	19.54	0	0.00	0.00	35	1	0	0	2306	148	0	0	2158
1026+50	102650	50.00	21.05	0	0.00	0.00	38	0	0	0	2344	148	0	0	2196
1027+00	102700	50.00	21.77	0	0.00	0.00	40	0	0	0	2383	148	0	0	2235
1027+50	102750	50.00	22.09	0	0.00	0.00	41	0	0	0	2424	148	0	0	2276
1028+00	102800	50.00	21.94	0	0.00	0.00	41	0	0	0	2465	148	0	0	2317
1028+50	102850	50.00	21.54	0	0.00	0.00	40	0	0	0	2505	148	0	0	2357
1029+00	102900	50.00	21.69	0	0.00	0.00	40	0	0	0	2545	148	0	0	2397
1029+50	102950	50.00	22.07	0	0.00	0.00	41	0	0	0	2585	148	0	0	2438
1030+00	103000	50.00	22.49	0	0.00	0.00	41	0	0	0	2627	148	0	0	2479
1030+50	103050	50.00	22.39	0	0.00	0.00	42	0	0	0	2668	148	0	0	2520
1031+00	103100	50.00	23.22	0	0.00	0.00	42	0	0	0	2710	148	0	0	2563
1031+50	103150	50.00	24.73	0	0.00	0.00	44	0	0	0	2755	148	0	0	2607
1032+00	103200	50.00	24.67	0	0.00	0.00	46	0	0	0	2801	148	0	0	2653
1032+50	103250	0.00	23.90	0	0.00	0.00	0	0	0	0	2801	148	0	0	2653
1033+00	103300	50.00	22.60	0	0.00	0.00	43	0	0	0	2844	148	0	0	2696
1033+50	103350	50.00	22.74	0	0.00	0.00	42	0	0	0	2886	148	0	0	2738
1034+00	103400	50.00	22.75	0	0.00	0.00	42	0	0	0	2928	148	0	0	2780
1034+50	103450	50.00	22.26	0	0.00	0.00	42	0	0	0	2969	148	0	0	2822
1035+00	103500	50.00	22.11	0	0.00	0.00	41	0	0	0	3010	148	0	0	2863
1035+50 BK	103550	50.00	23.08	0	0.00	0.00	42	0	0	0	3052	148	0	0	2904

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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 Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Rock	Cut	Fill	EBS	Excavation Rock	
1179+50 AH	117950	0.00	16.63	5.68	0.00	0.00	0	0	0	0	3010	148	0	0	2863
1180+00	118000	50.00	16.88	4.7	0.00	0.00	31	10	0	0	3041	157	0	0	2884
1180+50	118050	50.00	16.97	3.61	0.00	0.00	31	8	0	0	3073	165	0	0	2908
1181+00	118100	50.00	17.29	2.21	0.00	0.00	32	5	0	0	3105	170	0	0	2934
1181+50	118150	50.00	19.21	0	0.00	0.00	34	2	0	0	3138	173	0	0	2966
1182+00	118200	50.00	18.23	0.01	0.00	0.00	35	0	0	0	3173	173	0	0	3000
1182+50	118250	50.00	17.92	0.43	0.00	0.00	33	0	0	0	3206	173	0	0	3034
1183+00	118300	50.00	17.51	0.89	0.00	0.00	33	1	0	0	3239	174	0	0	3065
1183+50	118350	50.00	17.74	1.11	0.00	0.00	33	2	0	0	3272	176	0	0	3096
1184+00	118400	50.00	17.83	0.98	0.00	0.00	33	2	0	0	3305	178	0	0	3127
1184+50	118450	50.00	18.05	1.05	0.00	0.00	33	2	0	0	3338	180	0	0	3158
1185+00	118500	50.00	17.41	1.22	0.00	0.00	33	2	0	0	3371	182	0	0	3189
1185+50	118550	50.00	17.43	1.21	0.00	0.00	32	2	0	0	3403	184	0	0	3219
1186+00	118600	50.00	17.26	0.59	0.00	0.00	32	2	0	0	3435	186	0	0	3249
1186+50	118650	50.00	17.68	0.04	0.00	0.00	32	1	0	0	3468	186	0	0	3281
1187+00	118700	50.00	18.03	0	0.00	0.00	33	0	0	0	3501	186	0	0	3314
1187+41	118740.703	40.70	18.55	0	0.00	0.00	28	0	0	0	3528	186	0	0	3342
1187+43	118743.191	2.49	18.40	3.18	0.00	0.00	2	0	0	0	3530	187	0	0	3343
1187+50	118750	6.81	18.35	0.1	0.00	0.00	5	0	0	0	3535	187	0	0	3348
1188+00	118800	50.00	17.91	0.41	0.00	0.00	34	0	0	0	3568	188	0	0	3381
1188+50	118850	50.00	17.41	0.62	0.00	0.00	33	1	0	0	3601	188	0	0	3412
1189+00	118900	50.00	18.32	0	0.00	0.00	33	1	0	0	3634	189	0	0	3445
1189+50	118950	50.00	16.54	0.08	0.00	0.00	32	0	0	0	3666	189	0	0	3477
1190+00	119000	50.00	15.24	0.22	0.00	0.00	29	0	0	0	3696	189	0	0	3506
1190+50	119050	50.00	15.93	0.14	0.00	0.00	29	0	0	0	3725	190	0	0	3535
1191+00	119100	50.00	17.03	1.93	0.00	0.00	31	2	0	0	3755	192	0	0	3563
1191+50	119150	50.00	14.77	0.12	0.00	0.00	29	2	0	0	3785	194	0	0	3591
1192+00	119200	50.00	12.80	2.24	0.00	0.00	26	2	0	0	3810	196	0	0	3614
1192+50	119250	50.00	12.51	4.81	0.00	0.00	23	7	0	0	3833	202	0	0	3631
1193+00	119300	50.00	13.34	6.62	0.00	0.00	24	11	0	0	3857	213	0	0	3645
1193+50	119350	50.00	14.90	6.3	0.00	0.00	26	12	0	0	3884	225	0	0	3659
1194+00	119400	50.00	13.64	7.63	0.00	0.00	26	13	0	0	3910	238	0	0	3672
1194+50	119450	50.00	12.52	6.9	0.00	0.00	24	13	0	0	3934	251	0	0	3683
1195+00	119500	50.00	13.94	1.97	0.00	0.00	25	8	0	0	3959	259	0	0	3699
1195+50	119550	50.00	16.85	0	0.00	0.00	29	2	0	0	3987	261	0	0	3726
1196+00	119600	50.00	19.73	0	0.00	0.00	34	0	0	0	4021	261	0	0	3760
1196+50	119650	50.00	19.31	0	0.00	0.00	36	0	0	0	4057	261	0	0	3796
1197+00	119700	50.00	18.52	0	0.00	0.00	35	0	0	0	4092	261	0	0	3831
1197+50	119750	50.00	18.48	0	0.00	0.00	34	0	0	0	4127	261	0	0	3865
1198+00	119800	50.00	20.88	0	0.00	0.00	36	0	0	0	4163	261	0	0	3902
1198+50	119850	50.00	20.11	0	0.00	0.00	38	0	0	0	4201	261	0	0	3940
1199+00	119900	50.00	18.10	0	0.00	0.00	35	0	0	0	4236	261	0	0	3975
1199+50	119950	50.00	17.54	0	0.00	0.00	33	0	0	0	4269	261	0	0	4008
1200+00	120000	50.00	18.49	0	0.00	0.00	33	0	0	0	4303	261	0	0	4041
1200+50	120050	50.00	20.99	0	0.00	0.00	37	0	0	0	4339	261	0	0	4078
1201+00	120100	50.00	27.15	0	0.00	0.00	45	0	0	0	4384	261	0	0	4123
1201+50	120150	50.00	27.15	0	0.00	0.00	50	0	0	0	4434	261	0	0	4173
1202+00	120200	50.00	30.24	0	0.00	0.00	53	0	0	0	4487	261	0	0	4226
1202+50	120250	50.00	34.16	0	0.00	0.00	60	0	0	0	4547	261	0	0	4286
1202+67	120266.743	16.74	34.60	0.02	0.00	0.00	21	0	0	0	4568	261	0	0	4307
1203+00	120300	33.26	42.53	0	0.00	0.00	48	0	0	0	4616	261	0	0	4354
1203+50	120350	50.00	42.81	0	0.00	0.00	79	0	0	0	4695	261	0	0	4433
1203+77	120376.918	26.92	12.48	0	0.00	0.00	28	0	0	0	4722	261	0	0	4461
1203+79	120379.446	2.53	12.48	0	0.00	0.00	1	0	0	0	4723	261	0	0	4462
1204+00	120400	20.55	12.48	0	0.00	0.00	10	0	0	0	4733	261	0	0	4472
1204+50	120450	50.00	12.48	0	0.00	0.00	23	0	0	0	4756	261	0	0	4495
1205+00	120500	50.00	12.48	0	0.00	0.00	23	0	0	0	4779	261	0	0	4518
1205+50	120550	50.00	12.48	0	0.00	0.00	23	0	0	0	4802	261	0	0	4541
1206+00	120600	50.00	36.98	0	0.00	0.00	46	0	0	0	4848	261	0	0	4587
1206+50	120650	50.00	33.66	0	0.00	0.00	65	0	0	0	4913	261	0	0	4652
1207+00	120700	50.00	30.32	0	0.00	0.00	59	0	0	0	4973	261	0	0	4711
1207+50	120750	50.00	27.66	0	0.00	0.00	54	0	0	0	5026	261	0	0	4765
1208+00	120800	50.00	25.90	0	0.00	0.00	50	0	0	0	5076	261	0	0	4815
1208+42	120841.659	41.66	27.15	0	0.00	0.00	41	0	0	0	5117	261	0	0	4856

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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 Rock (In Cross Sections)	Cut	Fill	EBS	Excavation Rock	Cut	Fill	EBS	Excavation Rock	
1208+50	120850	8.34	26.13	0	0.00	0.00	16	0	0	0	5092	261	0	0	4831
1209+00	120900	50.00	26.13	0	0.00	0.00	48	0	0	0	5140	261	0	0	4879
1209+50	120950	50.00	25.90	0	0.00	0.00	48	0	0	0	5189	261	0	0	4927
1210+00	121000	50.00	25.90	0	0.00	0.00	48	0	0	0	5237	261	0	0	4975
1210+50	121050	50.00	25.81	0	0.00	0.00	48	0	0	0	5284	261	0	0	5023
1211+00	121100	50.00	31.55	0	0.00	0.00	53	0	0	0	5338	261	0	0	5076
1211+50	121150	50.00	30.38	0	0.00	0.00	57	0	0	0	5395	261	0	0	5134
1212+00	121200	50.00	25.90	0.39	0.00	0.00	52	0	0	0	5447	262	0	0	5185
1212+44	121243.611	43.61	26.82	1.44	0.00	0.00	43	1	0	0	5490	263	0	0	5227
1212+50	121250	6.39	25.90	1.64	0.00	0.00	6	0	0	0	5496	263	0	0	5232
1213+00	121300	50.00	25.90	3.74	0.00	0.00	48	5	0	0	5544	268	0	0	5275
1213+50	121350	50.00	25.90	4.88	0.00	0.00	48	8	0	0	5592	276	0	0	5315
1214+00	121400	50.00	25.90	4.86	0.00	0.00	48	9	0	0	5640	285	0	0	5354
1214+50	121450	50.00	26.20	4.98	0.00	0.00	48	9	0	0	5688	295	0	0	5393
1215+00	121500	50.00	27.15	5.07	0.00	0.00	49	9	0	0	5737	304	0	0	5434
1215+50	121550	50.00	27.15	5.06	0.00	0.00	50	9	0	0	5788	313	0	0	5474
1216+00	121600	50.00	27.16	5.03	0.00	0.00	50	9	0	0	5838	323	0	0	5515
1216+50	121650	50.00	27.15	5.07	0.00	0.00	50	9	0	0	5888	332	0	0	5556
1217+00	121700	50.00	27.15	5.04	0.00	0.00	50	9	0	0	5938	341	0	0	5597
1217+50	121750	50.00	27.16	5.04	0.00	0.00	50	9	0	0	5989	351	0	0	5638
1218+00	121800	50.00	27.15	4.14	0.00	0.00	50	9	0	0	6039	359	0	0	5680
1218+35	121835.053	35.05	27.15	2.9	0.00	0.00	35	5	0	0	6074	364	0	0	5711
1218+50	121850	14.95	27.15	2.45	0.00	0.00	15	1	0	0	6089	365	0	0	5724
1219+00	121900	50.00	27.15	1.2	0.00	0.00	50	3	0	0	6140	369	0	0	5771
1219+50	121950	50.00	27.15	0.39	0.00	0.00	50	1	0	0	6190	370	0	0	5820
1220+00	122000	50.00	27.15	0.03	0.00	0.00	50	0	0	0	6240	370	0	0	5870
1220+40	122039.611	39.61	27.15	0	0.00	0.00	40	0	0	0	6280	370	0	0	5910
1220+50	122050	10.39	27.15	0	0.00	0.00	10	0	0	0	6290	370	0	0	5920
1221+00	122100	50.00	27.15	0	0.00	0.00	50	0	0	0	6341	370	0	0	5970
1221+50	122150	50.00	27.15	0	0.00	0.00	50	0	0	0	6391	370	0	0	6021
1222+00	122200	50.00	27.40	0	0.00	0.00	51	0	0	0	6442	370	0	0	6071
1222+50	122250	50.00	27.29	0	0.00	0.00	51	0	0	0	6492	370	0	0	6122
1223+00	122300	50.00	28.30	0	0.00	0.00	51	0	0	0	6544	370	0	0	6173
1223+50	122350	50.00	28.57	0	0.00	0.00	53	0	0	0	6596	370	0	0	6226
1224+00	122400	50.00	30.28	0	0.00	0.00	54	0	0	0	6651	370	0	0	6280
1224+50	122450	50.00	33.36	0.82	0.00	0.00	59	1	0	0	6710	371	0	0	6339
1224+64	122463.717	13.72	33.94	0.48	0.00	0.00	17	0	0	0	6727	371	0	0	6355
1225+00	122500	36.28	36.95	0	0.00	0.00	48	0	0	0	6774	372	0	0	6403
1225+02	122501.512	1.51	36.95	0	0.00	0.00	2	0	0	0	6776	372	0	0	6405
1225+50	122550	48.49	12.48	0	0.00	0.00	44	0	0	0	6821	372	0	0	6449
1226+00	122600	50.00	12.48	0	0.00	0.00	23	0	0	0	6844	372	0	0	6472
1226+50	122650	50.00	12.48	0	0.00	0.00	23	0	0	0	6867	372	0	0	6495
1227+00	122700	50.00	12.48	0	0.00	0.00	23	0	0	0	6890	372	0	0	6518
1227+50	122750	50.00	12.48	0	0.00	0.00	23	0	0	0	6913	372	0	0	6542
1228+00	122800	50.00	35.35	0	0.00	0.00	44	0	0	0	6958	372	0	0	6586
1228+39	122839.253	39.25	33.10	1.82	0.00	0.00	50	1	0	0	7007	373	0	0	6634
1228+50	122850	10.75	32.42	2.65	0.00	0.00	13	1	0	0	7020	374	0	0	6646
1229+00	122900	50.00	30.59	5.54	0.00	0.00	58	8	0	0	7079	382	0	0	6697
1229+50	122950	50.00	28.30	0	0.00	0.00	55	5	0	0	7133	387	0	0	6747
1230+00	123000	50.00	28.30	0	0.00	0.00	52	0	0	0	7186	387	0	0	6799
1230+50	123050	50.00	27.60	0	0.00	0.00	52	0	0	0	7237	387	0	0	6851
1231+00	123100	50.00	27.45	0	0.00	0.00	51	0	0	0	7288	387	0	0	6902
1231+50	123150	50.00	27.36	0	0.00	0.00	51	0	0	0	7339	387	0	0	6952
1232+00	123200	50.00	27.49	0	0.00	0.00	51	0	0	0	7390	387	0	0	7003
1232+50	123250	50.00	28.62	0	0.00	0.00	52	0	0	0	7442	387	0	0	7055
1233+00	123300	50.00	33.00	0	0.00	0.00	57	0	0	0	7499	387	0	0	7112
1233+50	123350	50.00	34.82	0	0.00	0.00	63	0	0	0	7562	387	0	0	7175
1234+00	123400	50.00	27.55	0	0.00	0.00	58	0	0	0	7619	387	0	0	7233
1234+50	123450	50.00	26.59	0	0.00	0.00	50	0	0	0	7670	387	0	0	7283
1235+00	123500	50.00	23.68	0	0.00	0.00	47	0	0	0	7716	387	0	0	7329
1235+50	123550	50.00	23.36	0	0.00	0.00	44	0	0	0	7760	387	0	0	7373
1236+00	123600	50.00	22.79	0	0.00	0.00	43	0	0	0	7802	387	0	0	7416
1236+50	123650	50.00	22.44	0	0.00	0.00	42	0	0	0	7844	387	0	0	7458

PROJECT ID 1007-10-88

STAGE 3 - SB IH 39 MEDIAN

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
1237+00	123700	50.00	22.32	0	0.00	0.00	7	0	0	0	7851	387	0	0	7465
1237+50	123750	50.00	22.66	0	0.00	0.00	42	0	0	0	7893	387	0	0	7506
1238+00	123800	50.00	22.99	0	0.00	0.00	42	0	0	0	7935	387	0	0	7548
1238+50	123850	50.00	23.03	0	0.00	0.00	43	0	0	0	7978	387	0	0	7591
1238+93	123893.142	43.14	31.01	0	0.00	0.00	50	0	0	0	8028	387	0	0	7641
1239+00	123900	6.86	31.43	0	0.00	0.00	58	0	0	0	8086	387	0	0	7699
1239+50	123950	50.00	25.08	0	0.00	0.00	52	0	0	0	8138	387	0	0	7751
1240+00	124000	50.00	24.37	0	0.00	0.00	46	0	0	0	8184	387	0	0	7797
1240+50	124050	50.00	22.86	0	0.00	0.00	38	0	0	0	8222	387	0	0	7835
1240+51	124051.374	1.37	22.84	0	0.00	0.00	5	0	0	0	8227	387	0	0	7841
1241+00	124100	48.63	21.83	0	0.00	0.00	41	0	0	0	8269	387	0	0	7882
1241+50	124150	50.00	20.61	0	0.00	0.00	39	0	0	0	8308	387	0	0	7921
1242+00	124200	50.00	20.01	0	0.00	0.00	38	0	0	0	8346	387	0	0	7959
1242+50	124250	50.00	18.44	1.22	0.00	0.00	36	1	0	0	8381	388	0	0	7993
1243+00	124300	50.00	16.92	5.94	0.00	0.00	33	7	0	0	8414	394	0	0	8019
1243+50	124350	50.00	16.72	8.53	0.00	0.00	31	13	0	0	8445	408	0	0	8037
1244+00	124400	50.00	16.91	9.97	0.00	0.00	31	17	0	0	8476	425	0	0	8051
1244+50	124450	50.00	16.95	12.84	0.00	0.00	31	21	0	0	8508	446	0	0	8061
1245+00	124500	50.00	27.69	19.1	0.00	0.00	41	30	0	0	8549	476	0	0	8073
1245+50	124550	50.00	28.64	24	0.00	0.00	52	40	0	0	8601	516	0	0	8085
1246+00 BK	124599.5	49.50	29.38	28.09	0.00	0.00	54	48	0	0	8655	564	0	0	8091
						COLUMN TOTALS	8655	564	0	0					

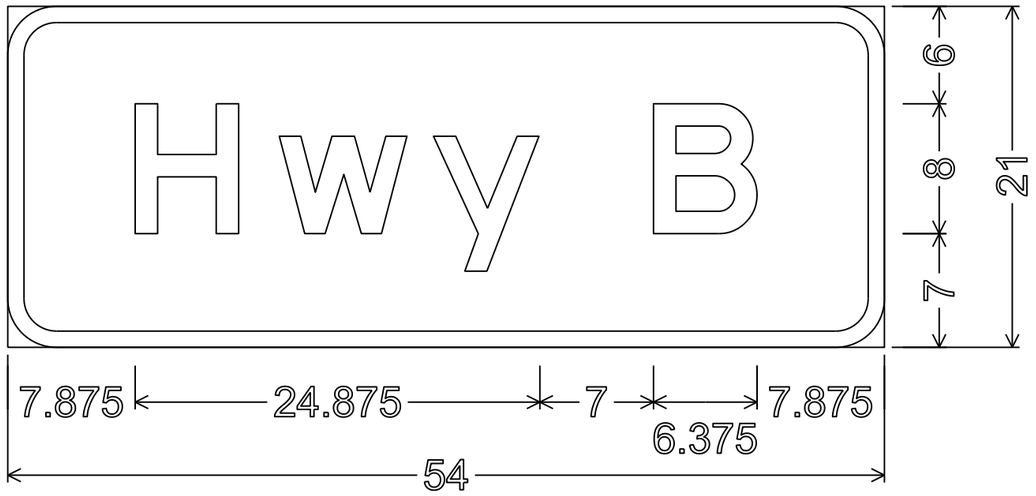
PROJECT ID 1007-10-88

STAGE 3 - CROSSOVER

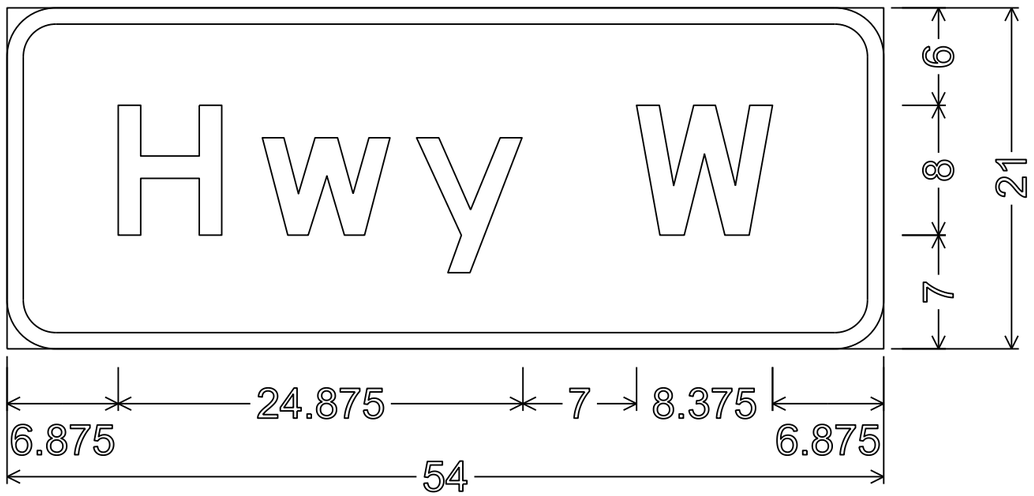
STATION	Real Station	Distance	AREA (SF) Cut	Fill	EBS (In Cross Sections)	Excavation Rock (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Fill	EBS	Excavation Rock	Cumulative Vol (CY) Cut	Fill	EBS	Excavation Rock	Mass Ordinate
1943+57 AH	194356.803	0.00	20.04	2.52	0.00	0.00	0	0	0	0	0	0	0	0	0
1944+00	194400	43.20	25.87	8.99	0.00	0.00	37	9	0	0	37	9	0	0	28
1944+50	194450	50.00	29.58	16.59	0.00	0.00	51	24	0	0	88	33	0	0	55
1945+00	194500	50.00	29.81	22.06	0.00	0.00	55	36	0	0	143	69	0	0	74
1945+50	194550	50.00	29.94	29.75	0.00	0.00	55	48	0	0	198	117	0	0	82
1946+00	194600	50.00	31.52	35.75	0.00	0.00	57	61	0	0	255	177	0	0	78
1946+50	194650	50.00	32.76	35.79	0.00	0.00	60	66	0	0	315	244	0	0	71
1947+00	194700	50.00	35.65	35.97	0.00	0.00	63	66	0	0	378	310	0	0	68
1947+50	194750	50.00	39.81	35.15	0.00	0.00	70	66	0	0	448	376	0	0	72
1948+00	194800	50.00	26.56	19.96	0.00	0.00	61	51	0	0	509	427	0	0	83
1948+50	194850	50.00	24.32	13.42	0.00	0.00	47	31	0	0	557	458	0	0	99
1949+00	194900	50.00	37.83	6.75	0.00	0.00	58	19	0	0	614	476	0	0	138
1949+50	194950	50.00	58.68	6.25	0.00	0.00	89	12	0	0	703	488	0	0	215
1950+00	195000	50.00	79.01	4.34	0.00	0.00	127	10	0	0	831	498	0	0	333
1950+50	195050	50.00	97.36	3.96	0.00	0.00	163	8	0	0	994	506	0	0	488
1951+00	195100	50.00	120.75	0	0.00	0.00	202	4	0	0	1196	510	0	0	687
1951+50	195150	50.00	122.39	0	0.00	0.00	225	0	0	0	1421	510	0	0	912
1952+00	195200	50.00	122.45	0	0.00	0.00	227	0	0	0	1648	510	0	0	1138
1952+50	195250	50.00	138.05	0	0.00	0.00	241	0	0	0	1889	510	0	0	1380
1953+00	195300	50.00	135.16	0	0.00	0.00	253	0	0	0	2142	510	0	0	1633
1953+50	195350	50.00	130.93	0	0.00	0.00	246	0	0	0	2389	510	0	0	1879
1954+00	195400	50.00	135.14	0	0.00	0.00	246	0	0	0	2635	510	0	0	2125
1954+50	195450	50.00	139.70	0	0.00	0.00	254	0	0	0	2889	510	0	0	2380
1955+28 BK	195527.997	78.00	139.18	0	0.00	0.00	403	0	0	0	3292	510	0	0	2783
						COLUMN TOTALS	3292	510	0	0					

NOTES

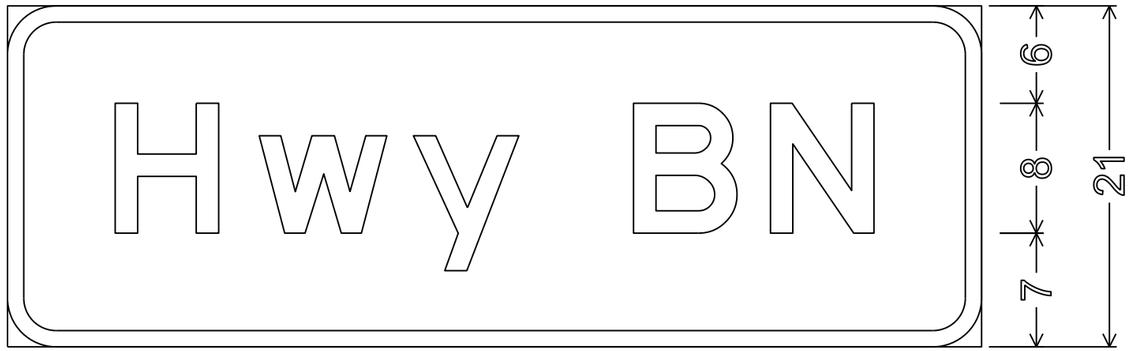
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E



M1-94;
3.000" Radius, 1.000" Border



M1-94;
3.000" Radius, 1.000" Border



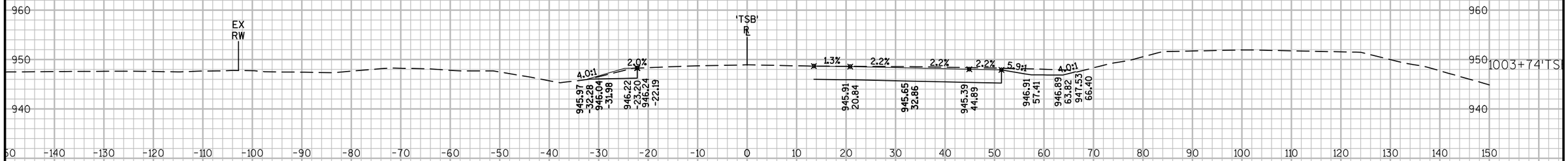
M1-94;
3.000" Radius, 1.000" Border

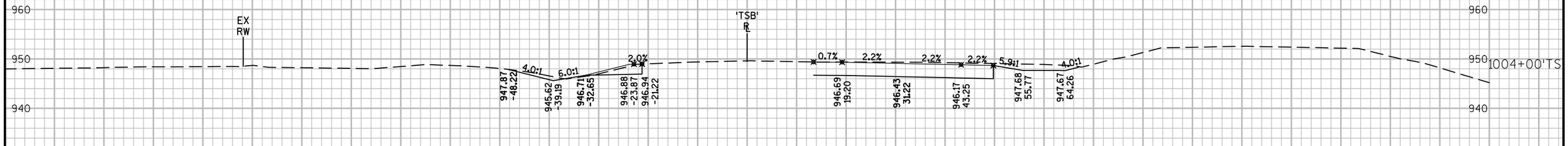
7

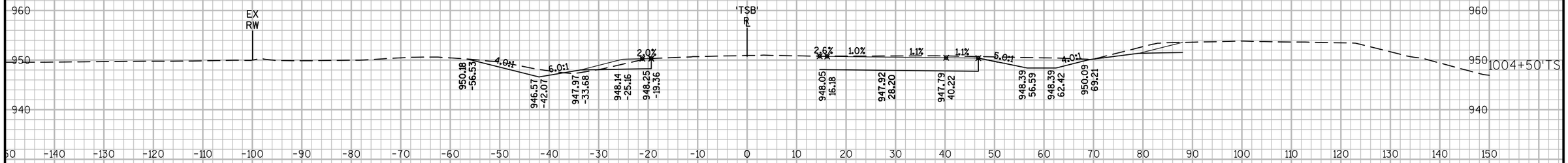
7

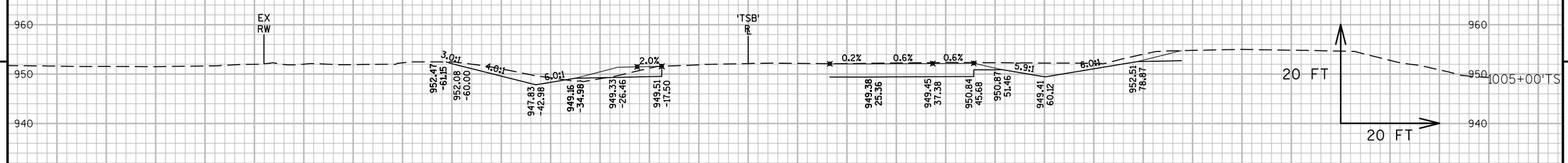
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING	SHEET NO: 369	E

BEGIN CONSTRUCTION
STA 1003+74'TSB'





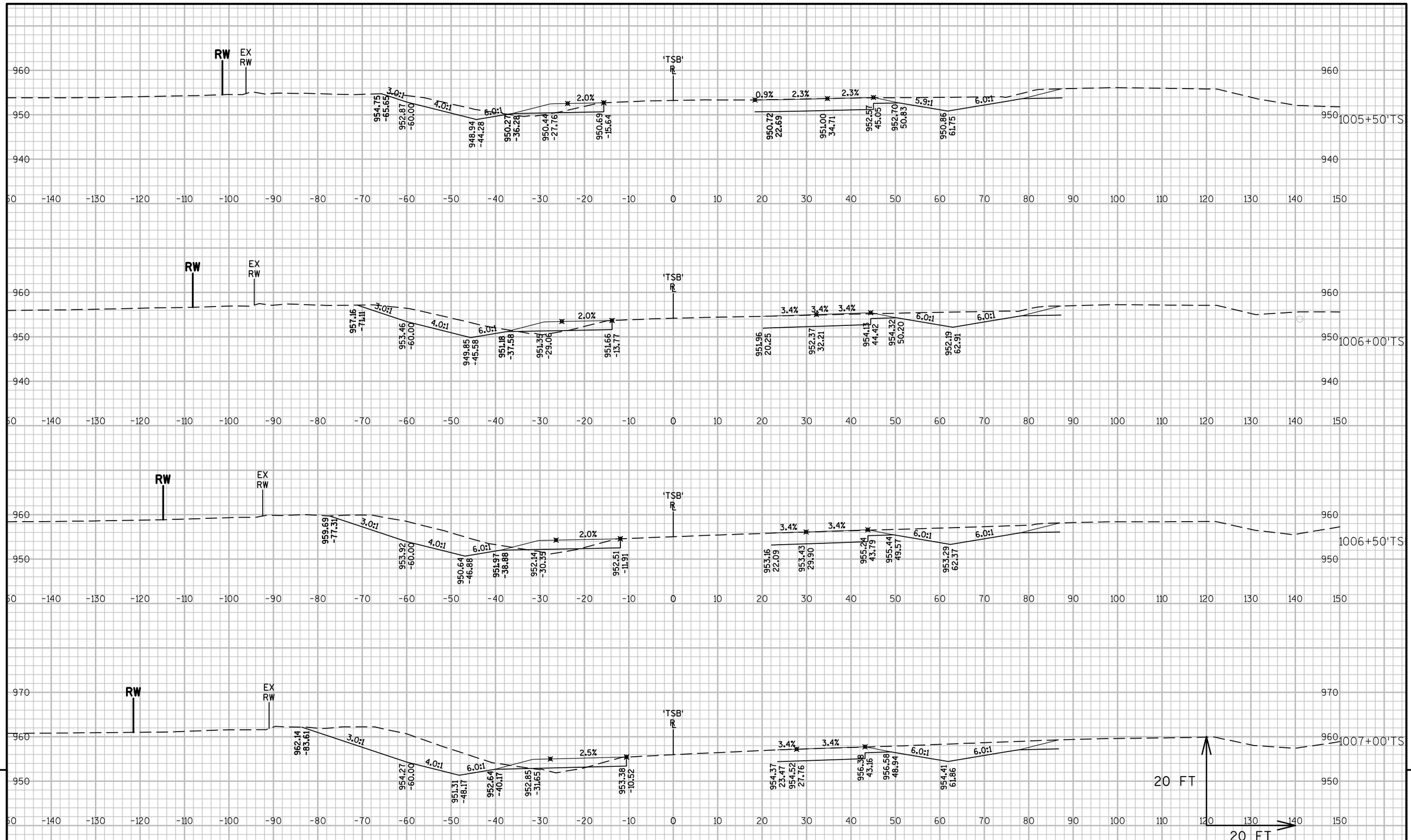




PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 370	E

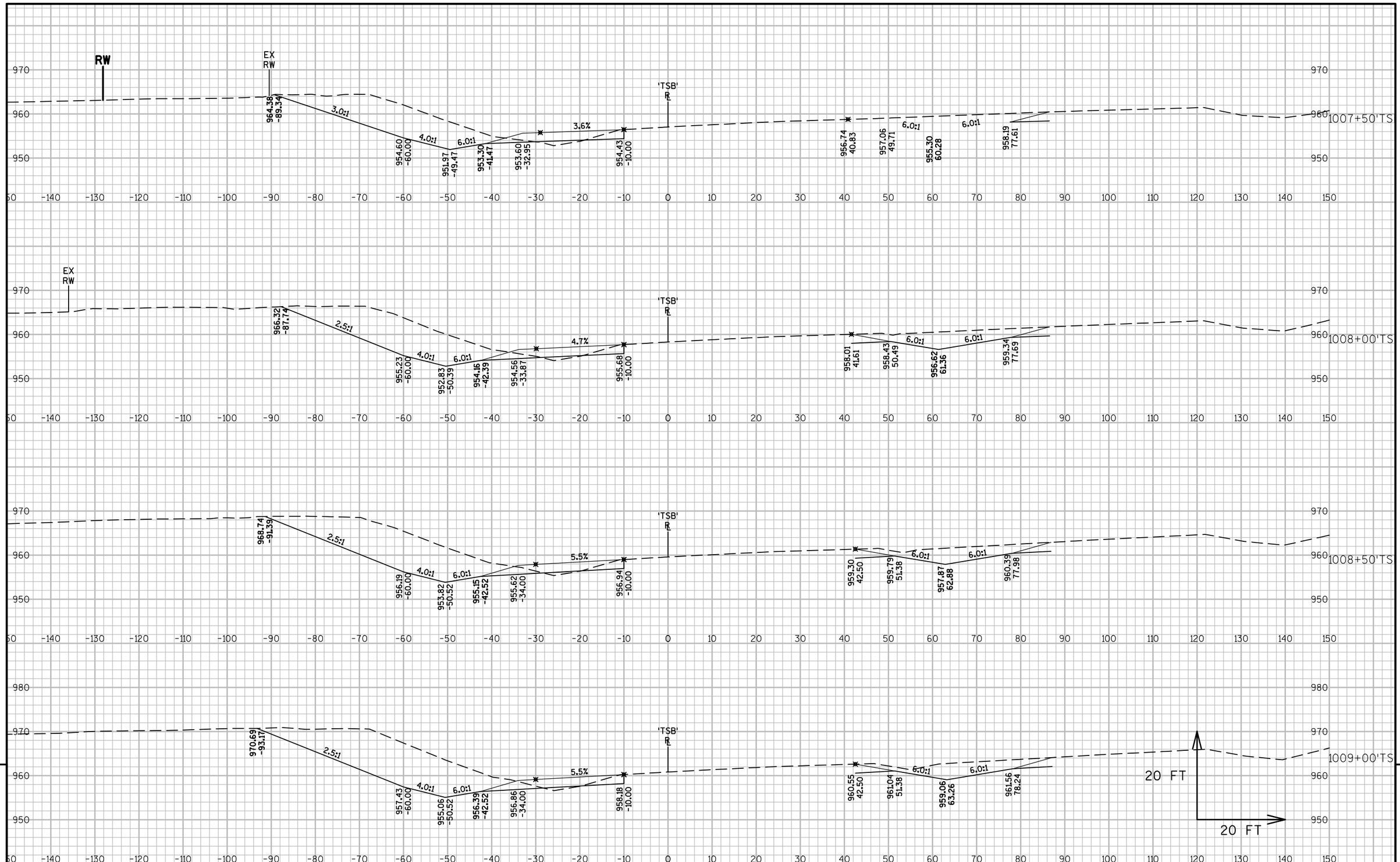
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:12 AM
LAYOUT NAME - 09022_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 371	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:12 AM
LAYOUT NAME - 09023_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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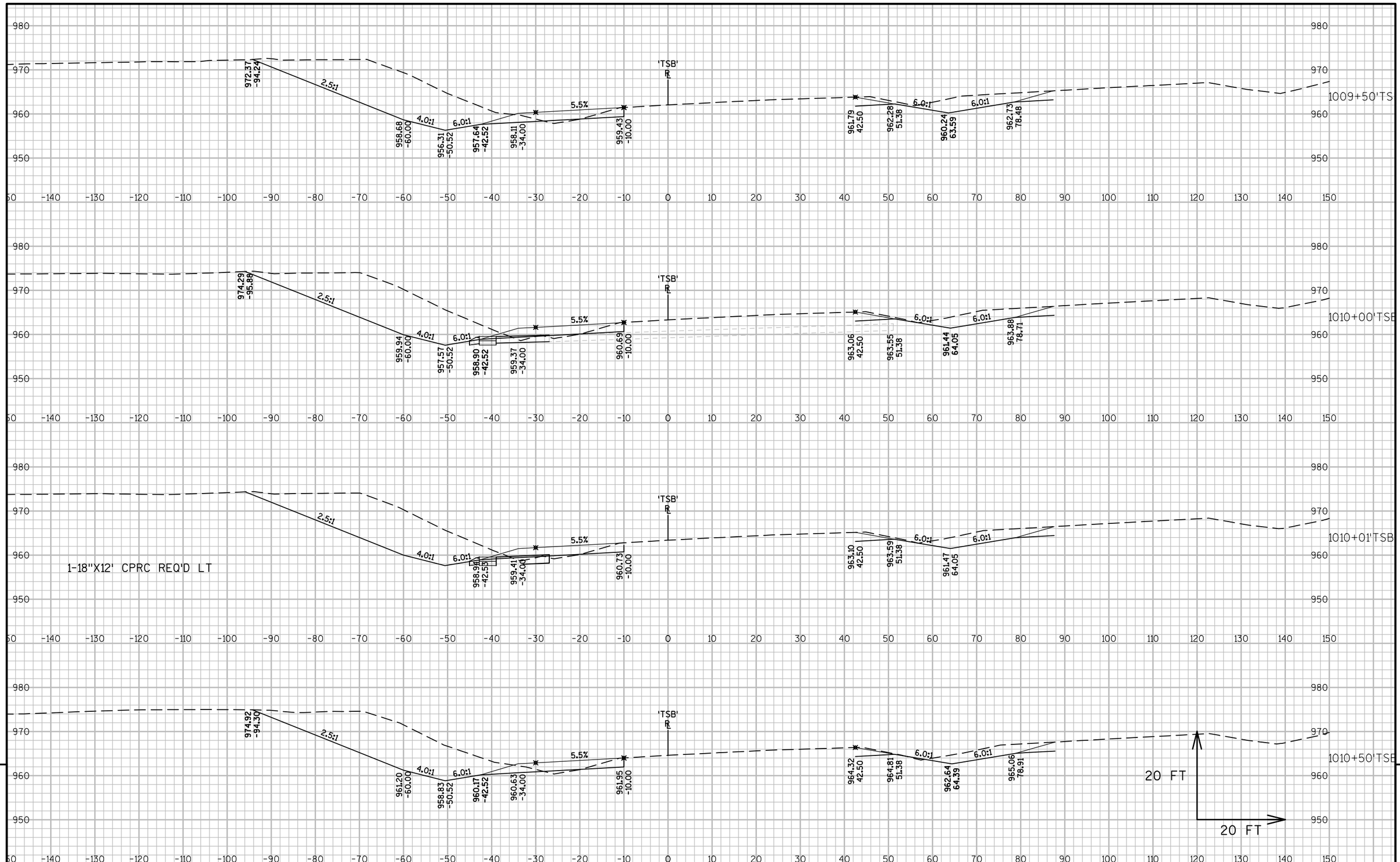
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 372 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:12 AM
LAYOUT NAME - 09024_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

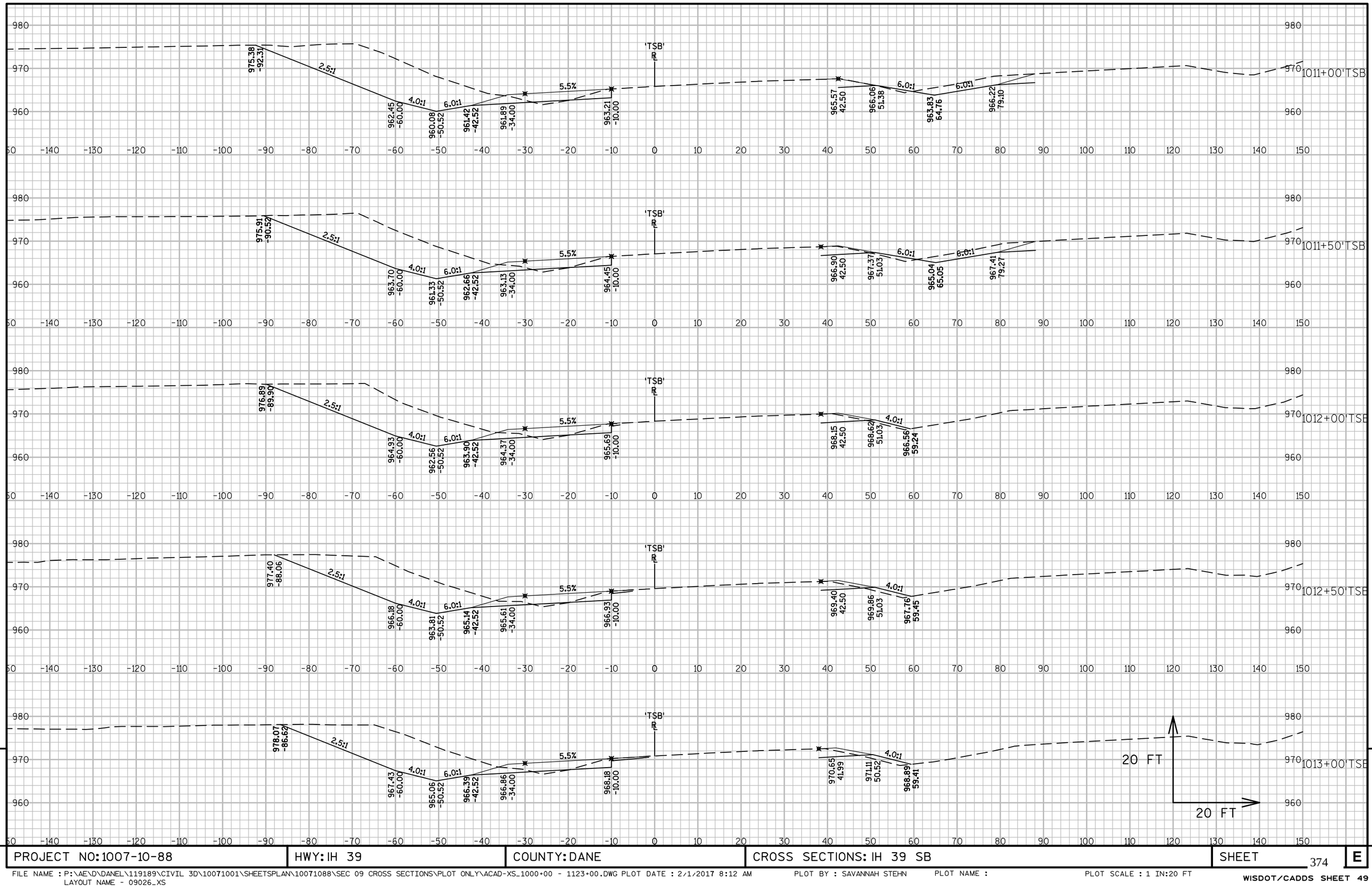


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 373 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:12 AM
LAYOUT NAME - 09025_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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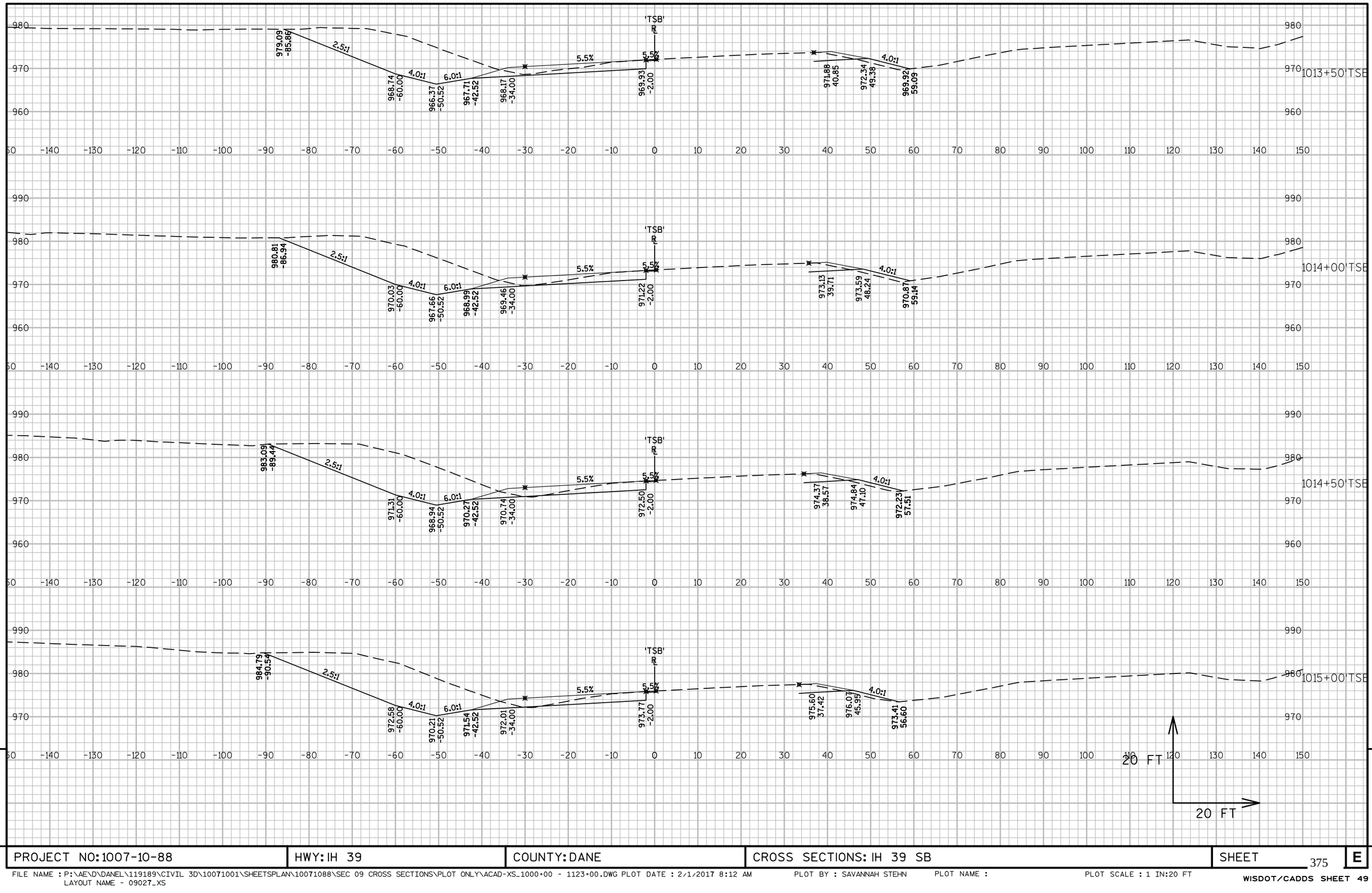
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 374	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:12 AM
LAYOUT NAME - 09026_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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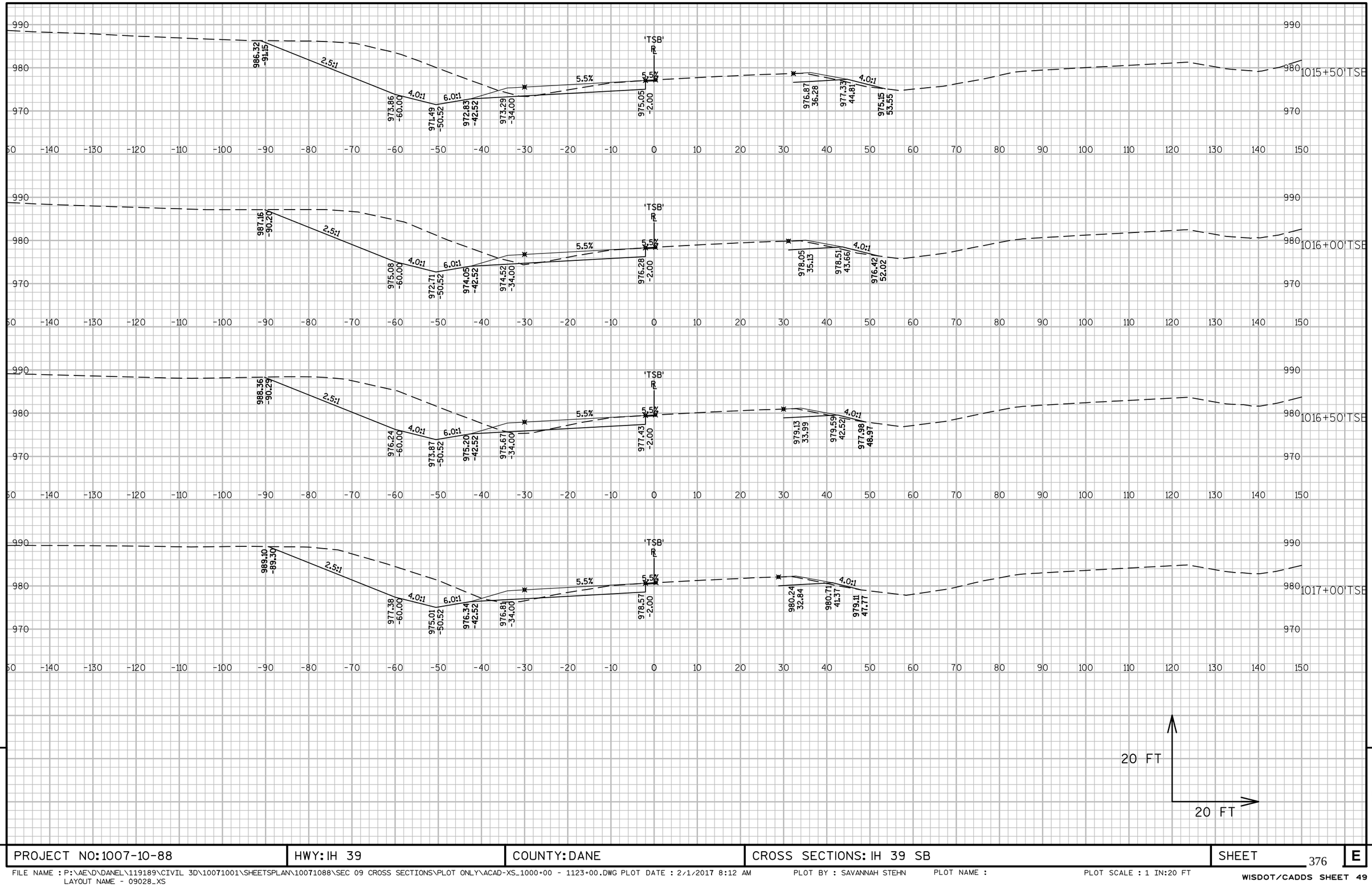
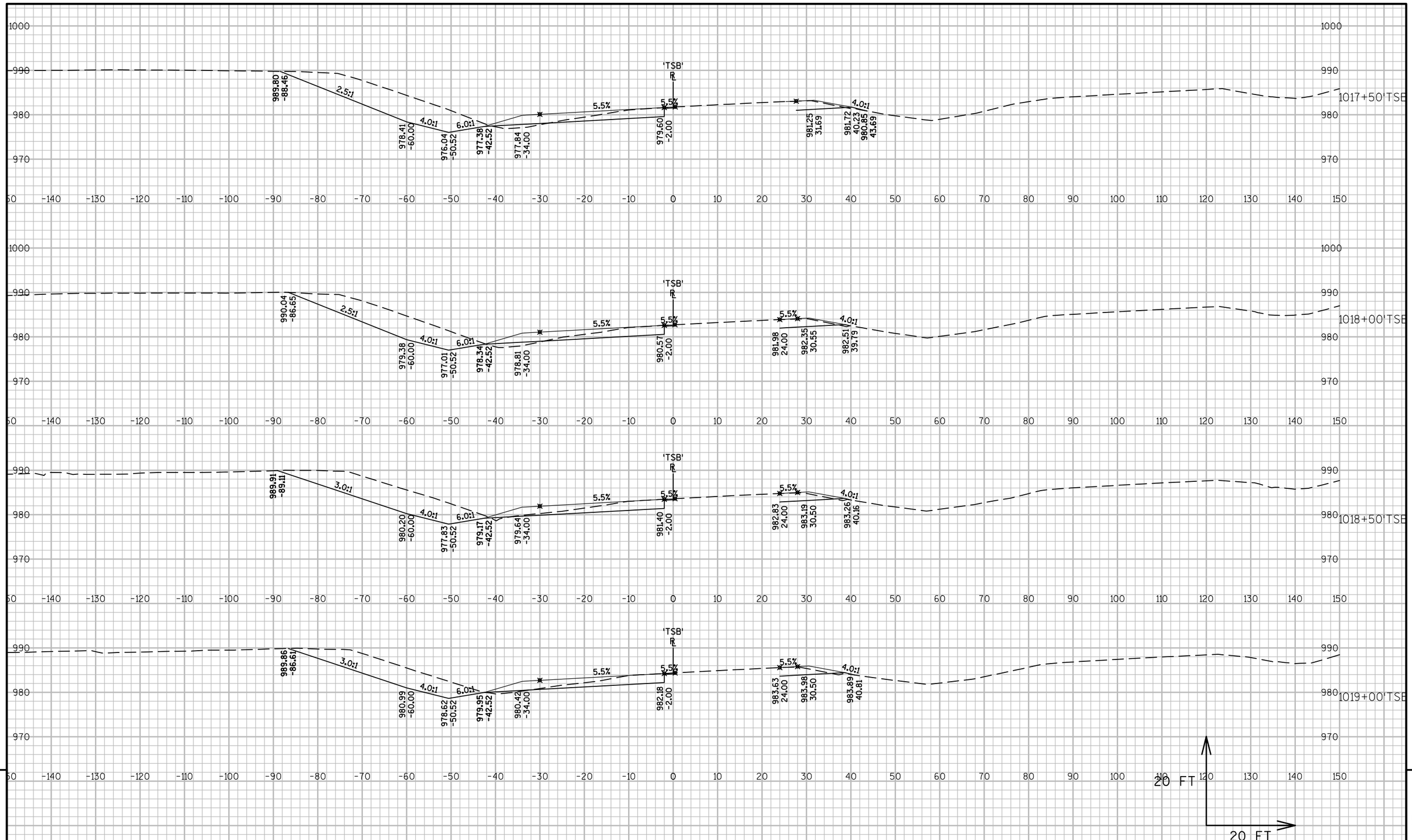
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 375	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:12 AM
LAYOUT NAME - 09027_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 376	E



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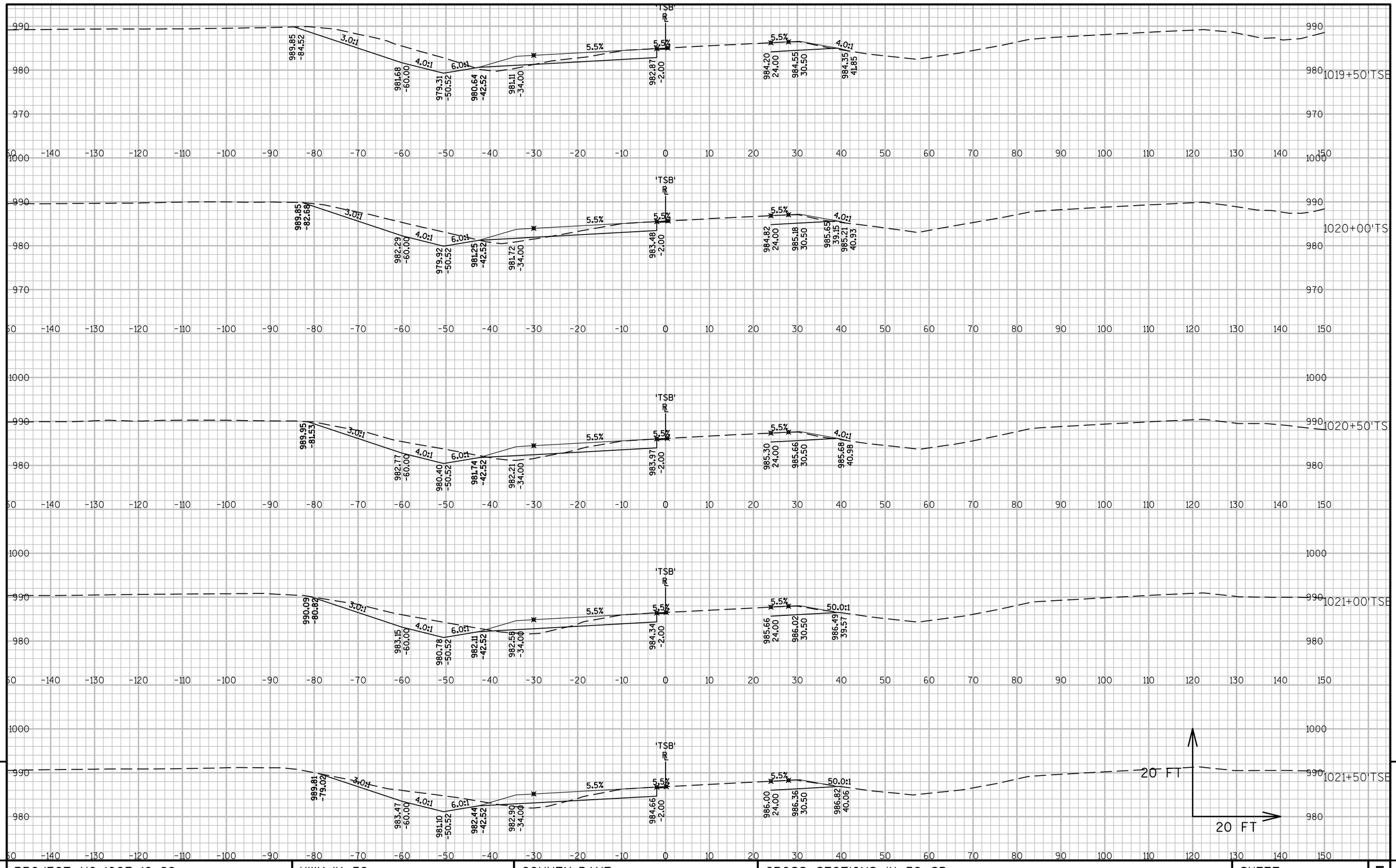
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 377	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 09029_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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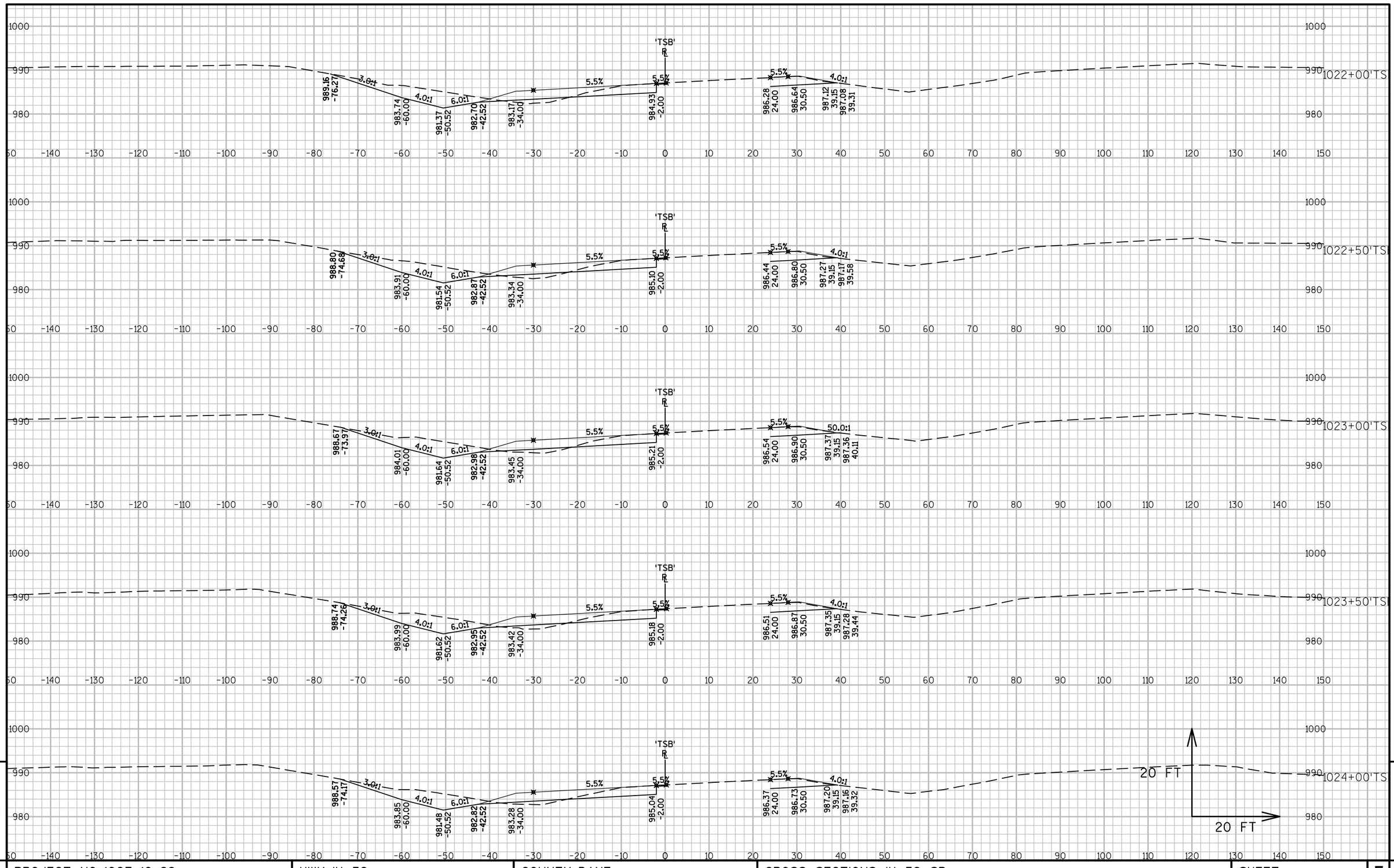
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 378	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090210_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT



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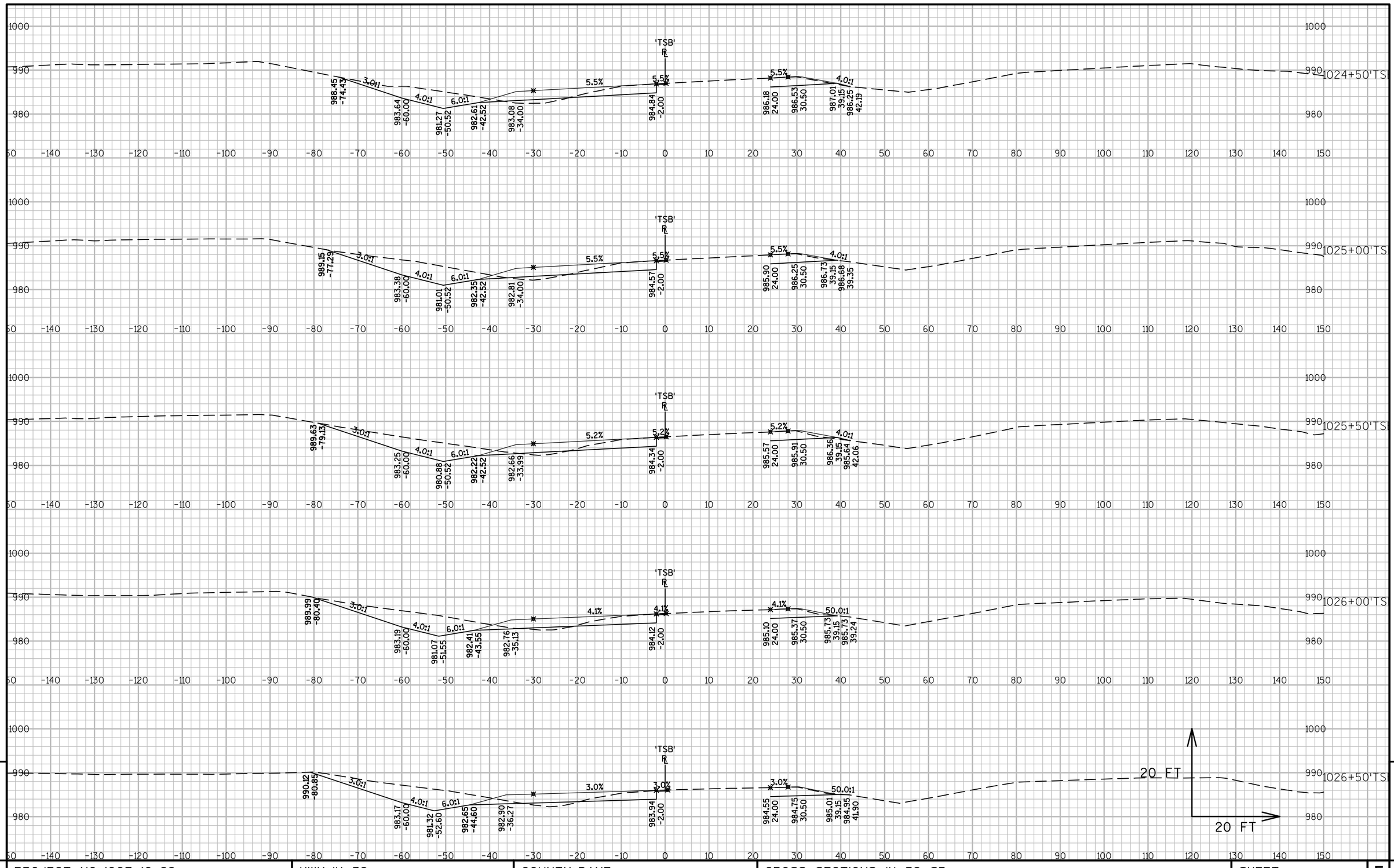
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 379	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090211_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 380	E

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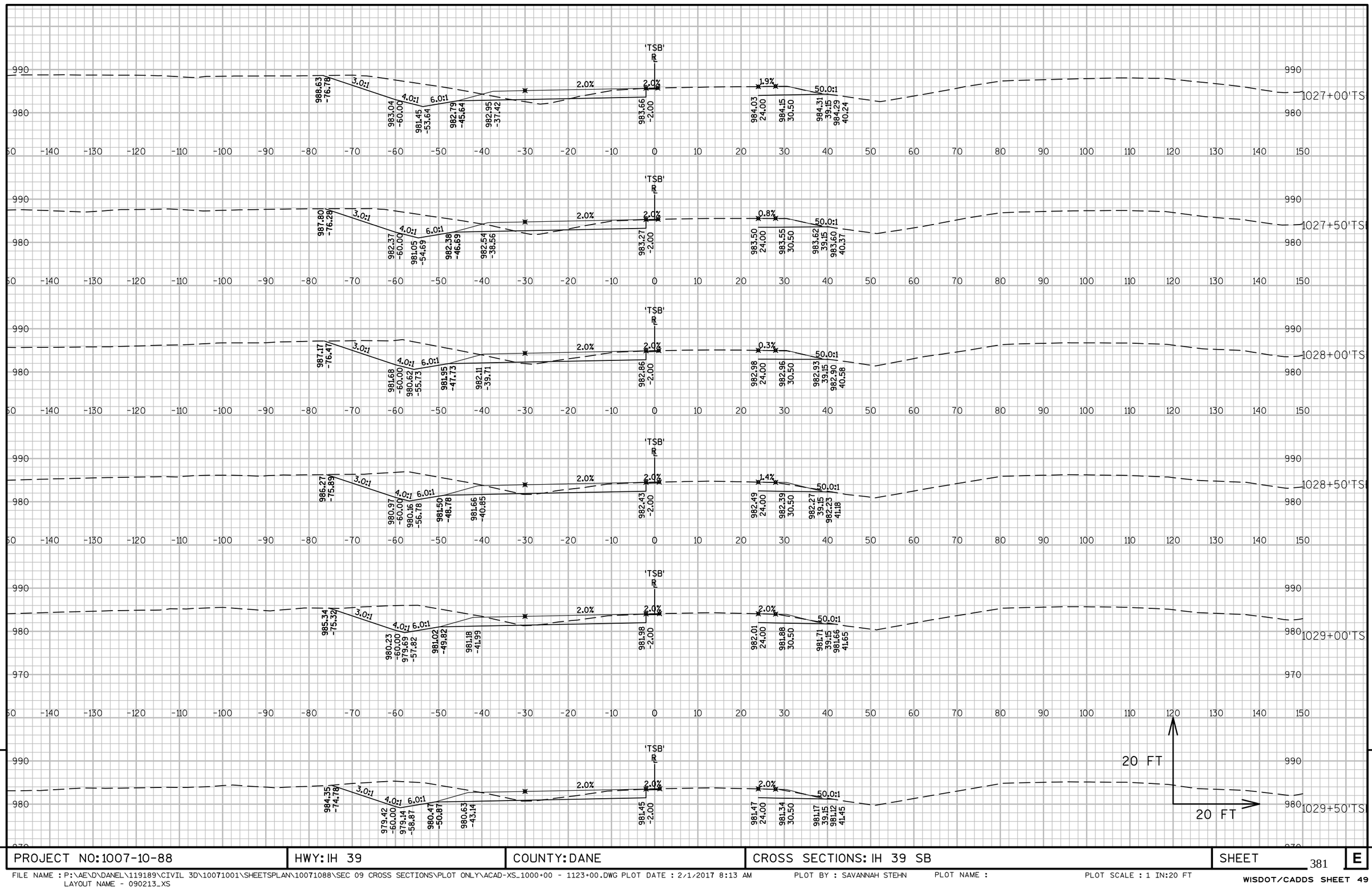
LAYOUT NAME - 090212_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT



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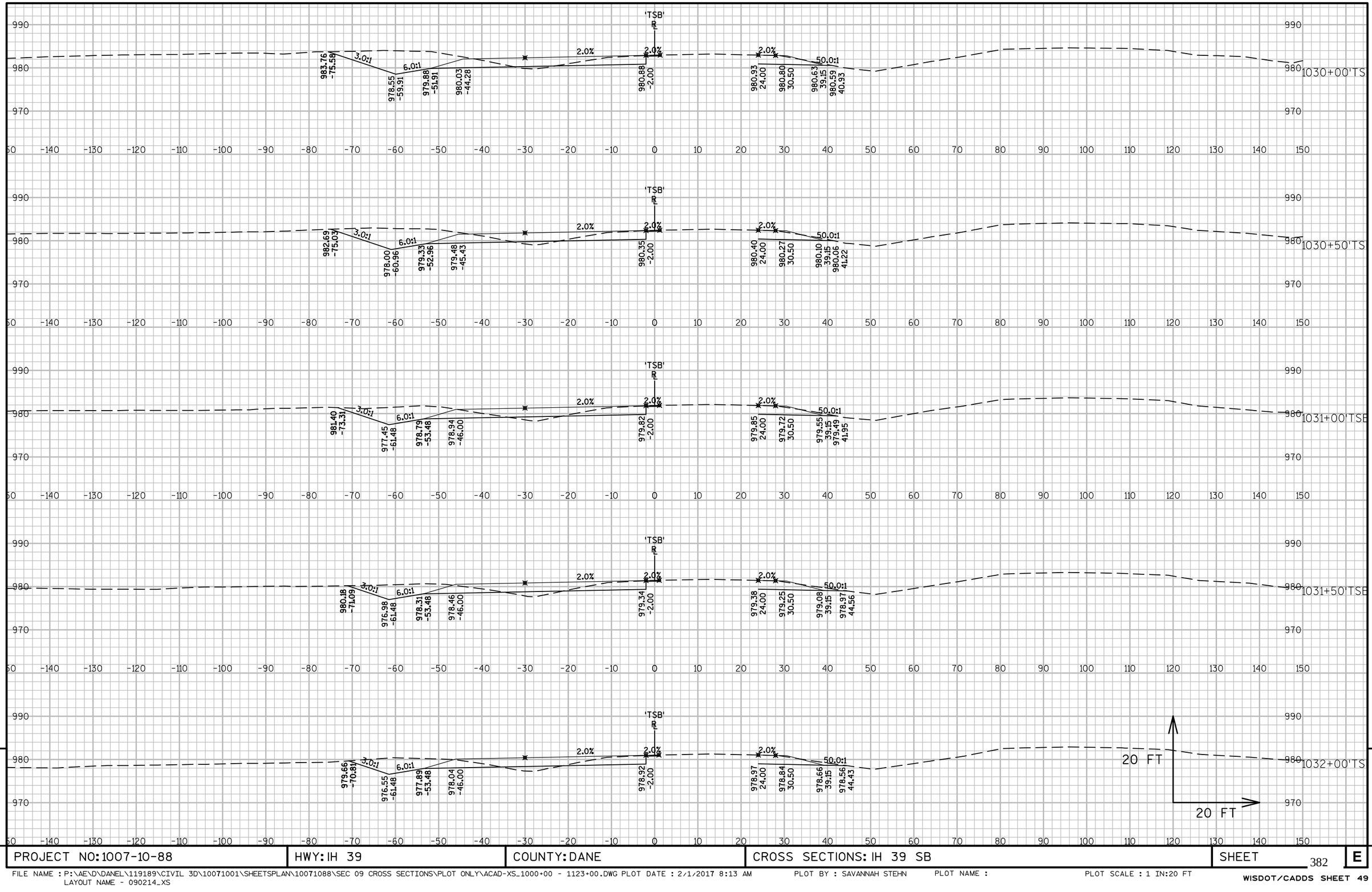
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 381	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090213_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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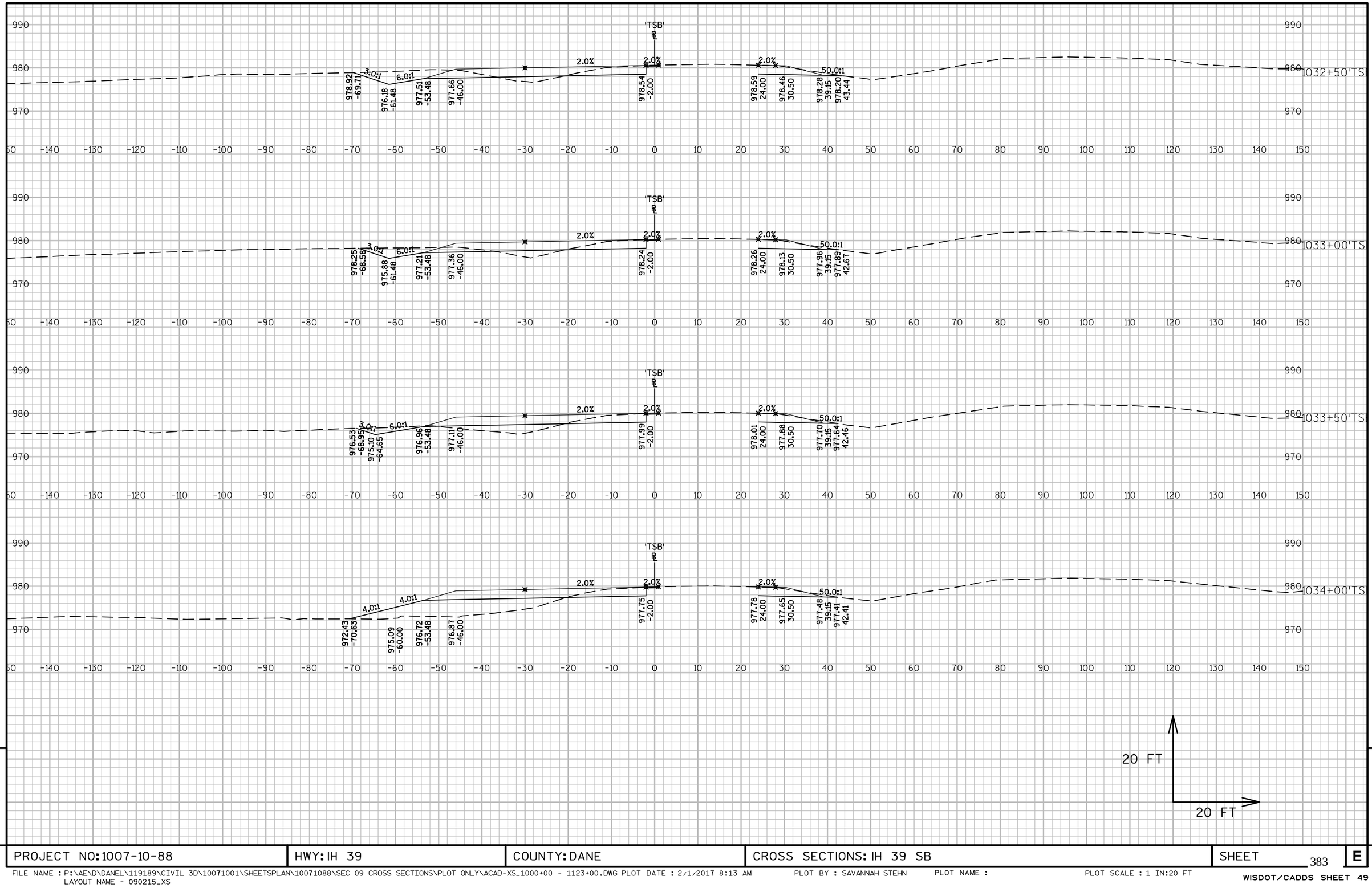
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 382	E

9

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090214_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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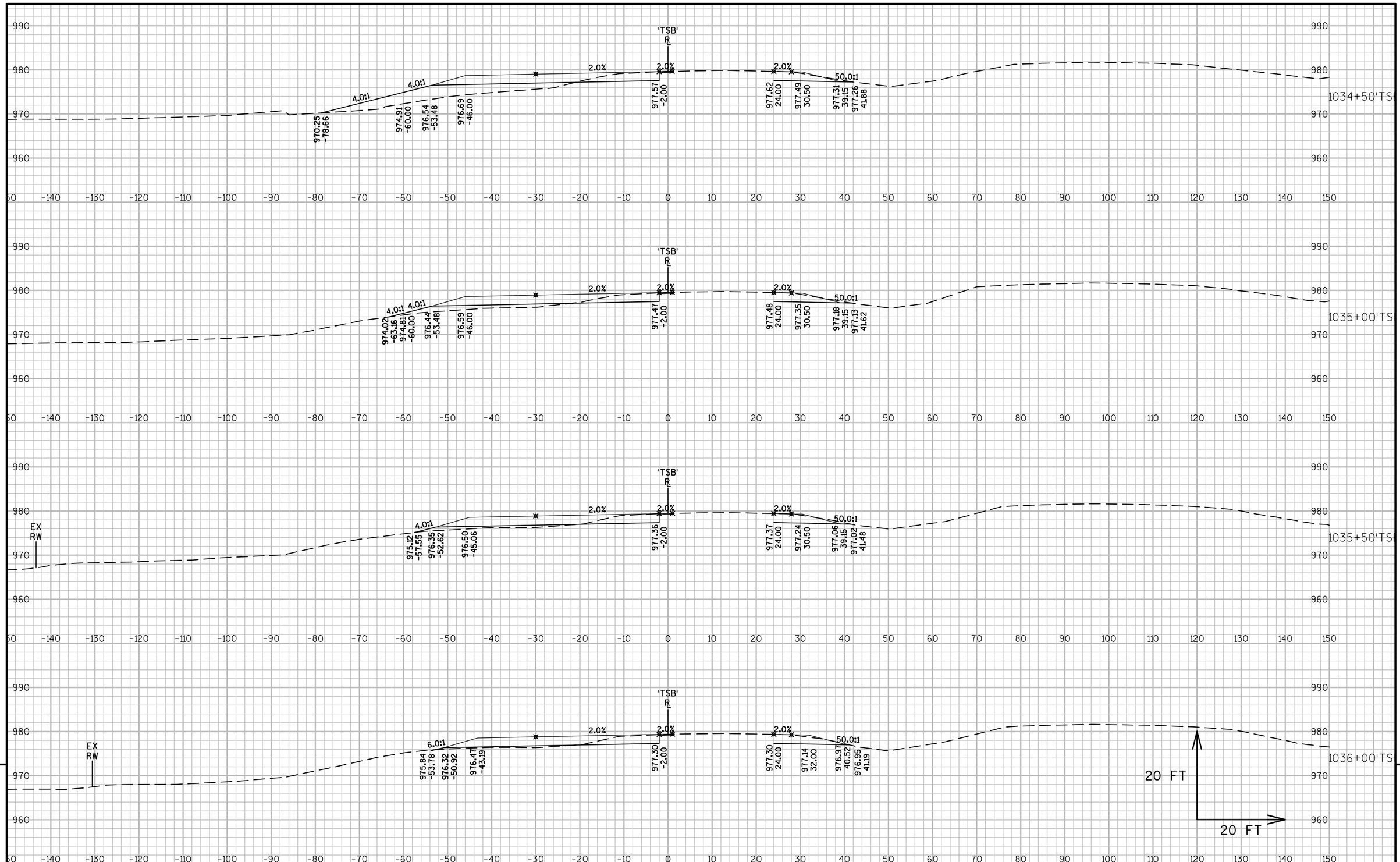
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 383	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090215_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

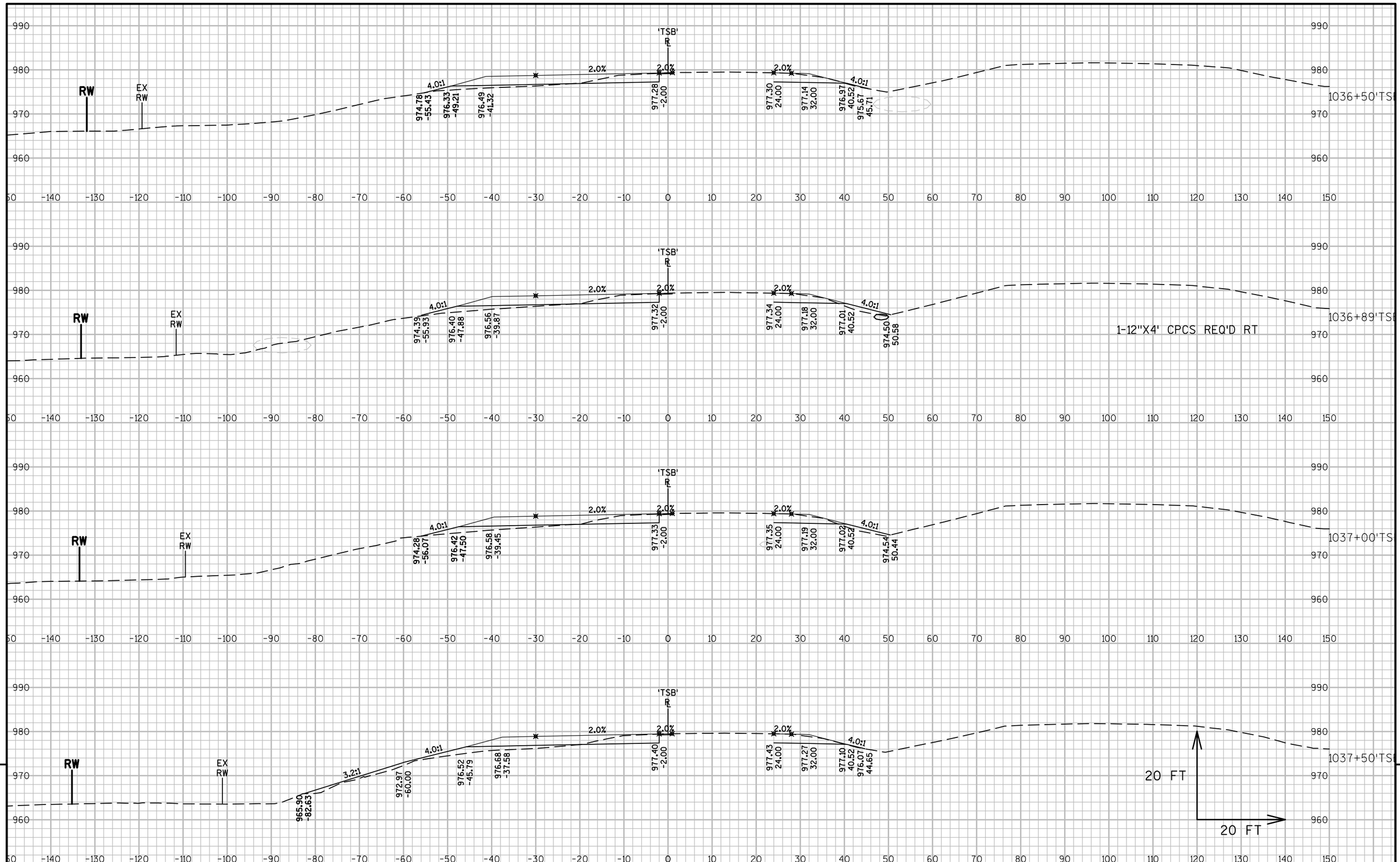


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 384 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090216_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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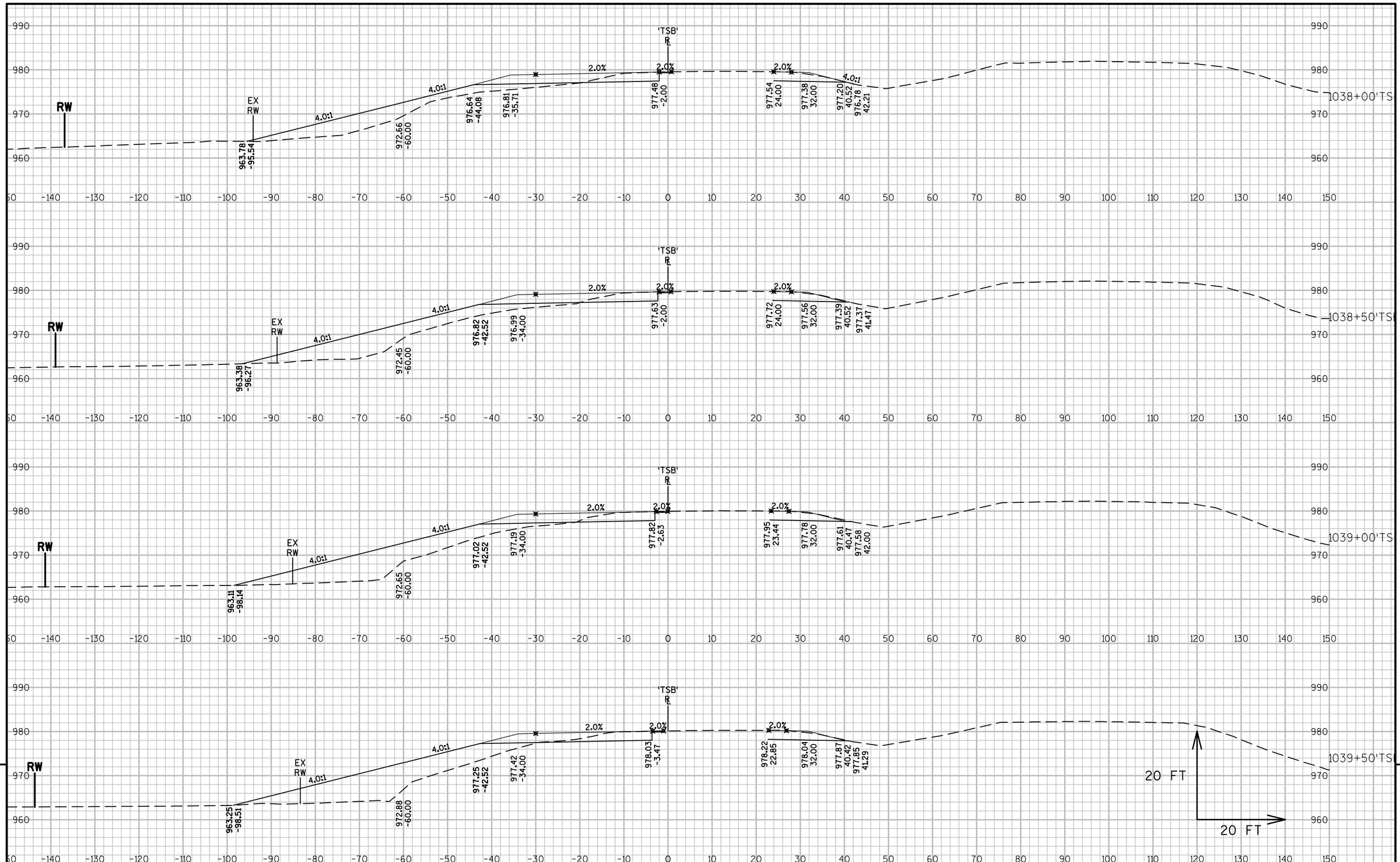
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 385	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090217_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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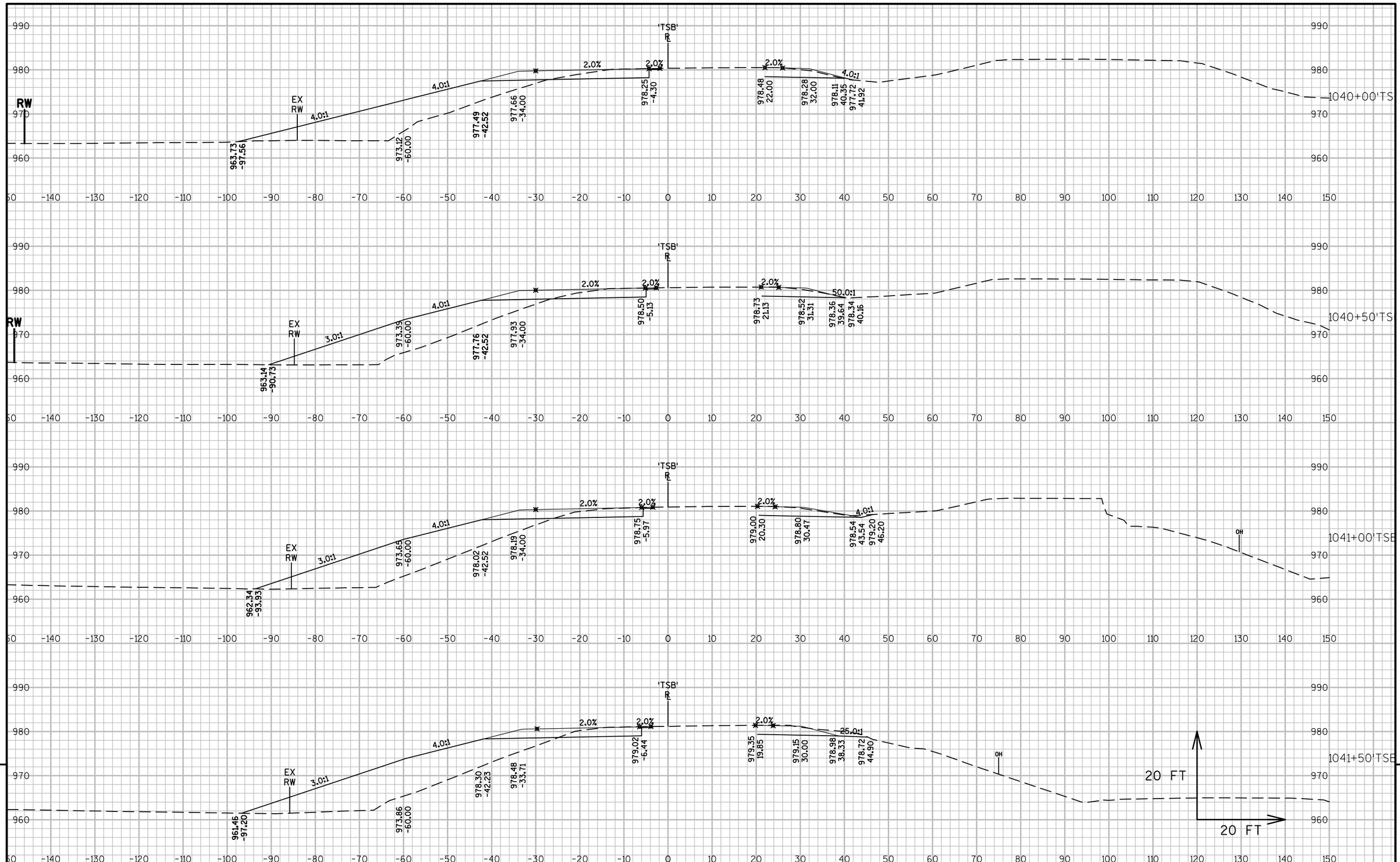
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 386	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090218_XS

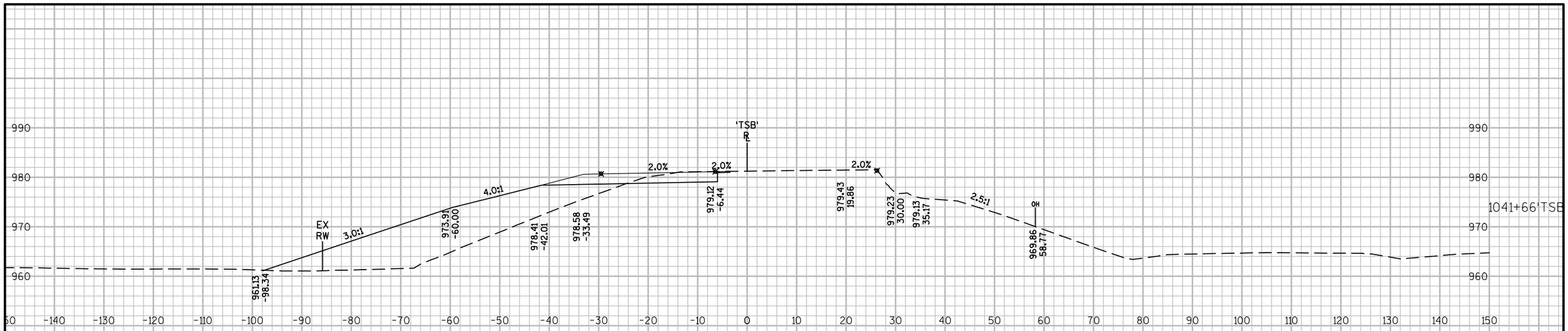
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

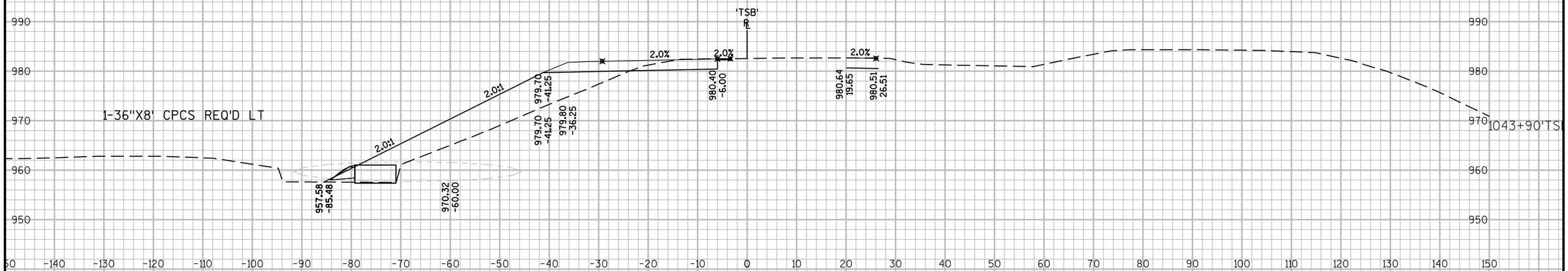


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 387	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090219_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



STRUCTURE WIDENING B-13-164
STA 1042+05'TSB' - 1043+54'TSB'



20 FT
20 FT

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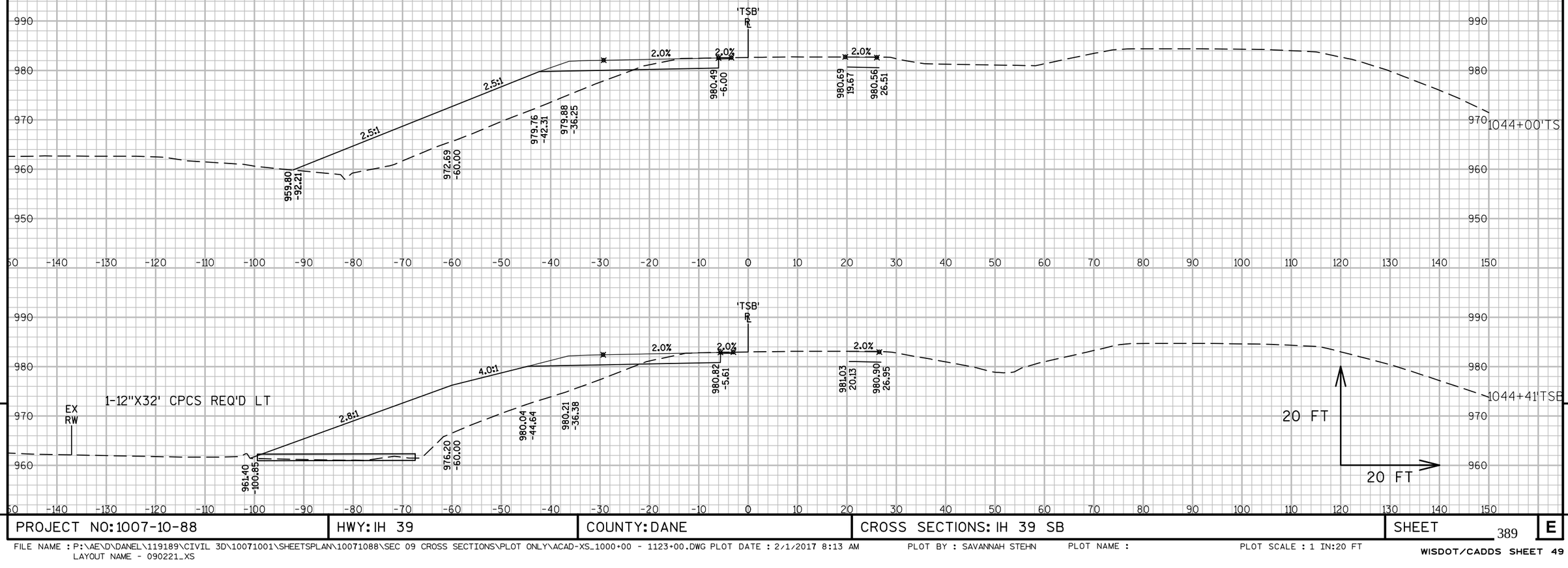
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 388	E



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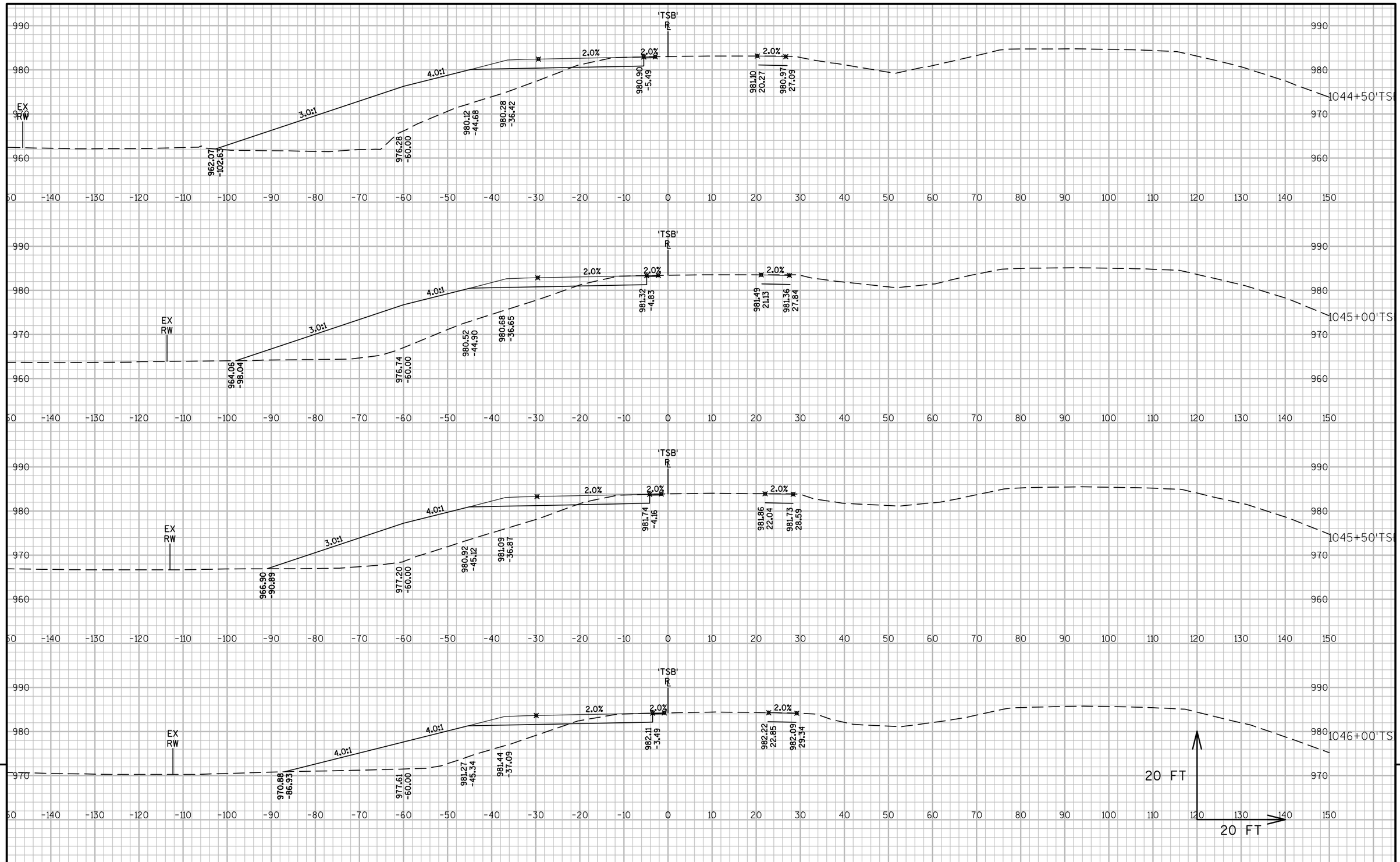
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 389	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090221_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

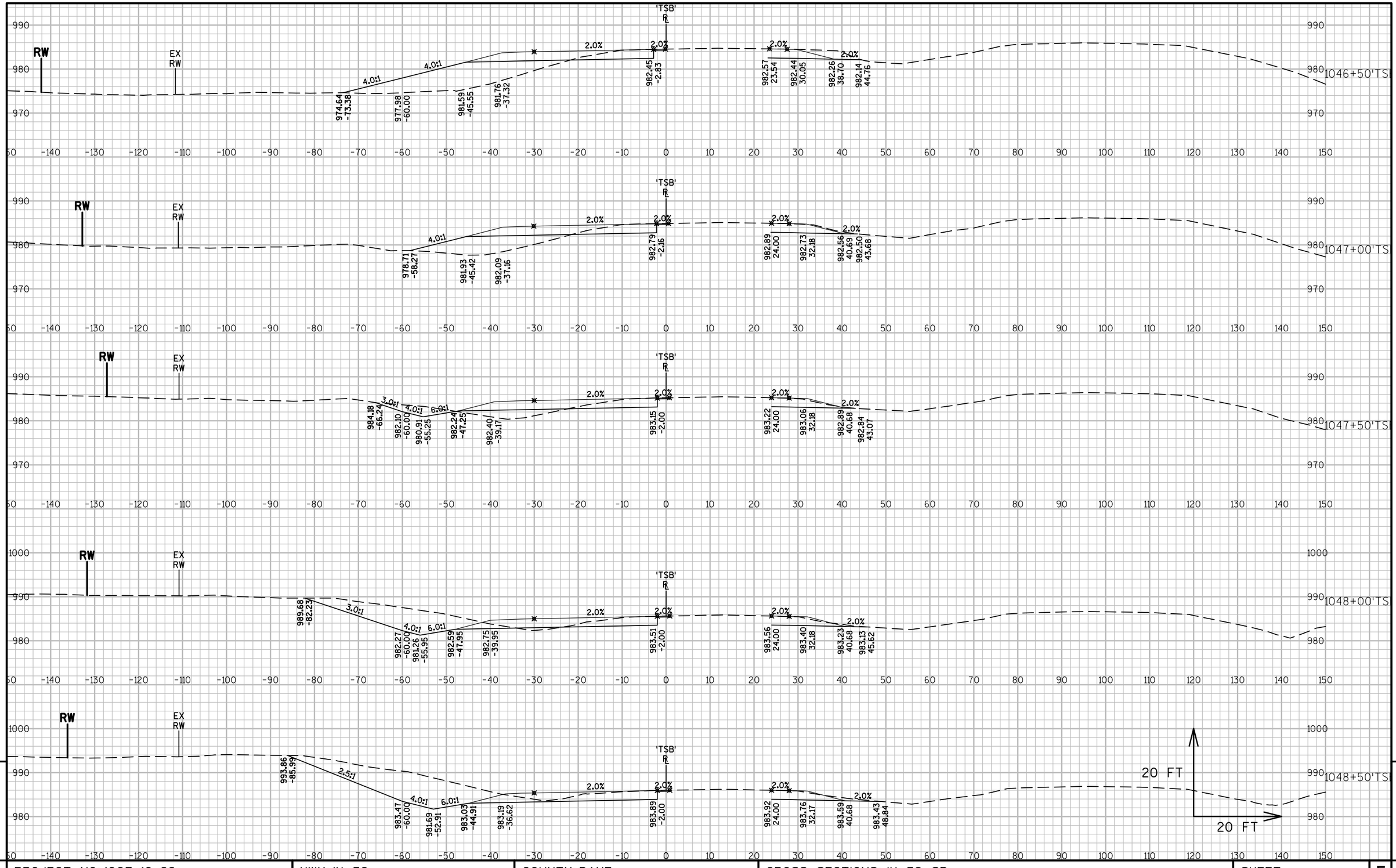


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 390	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090222_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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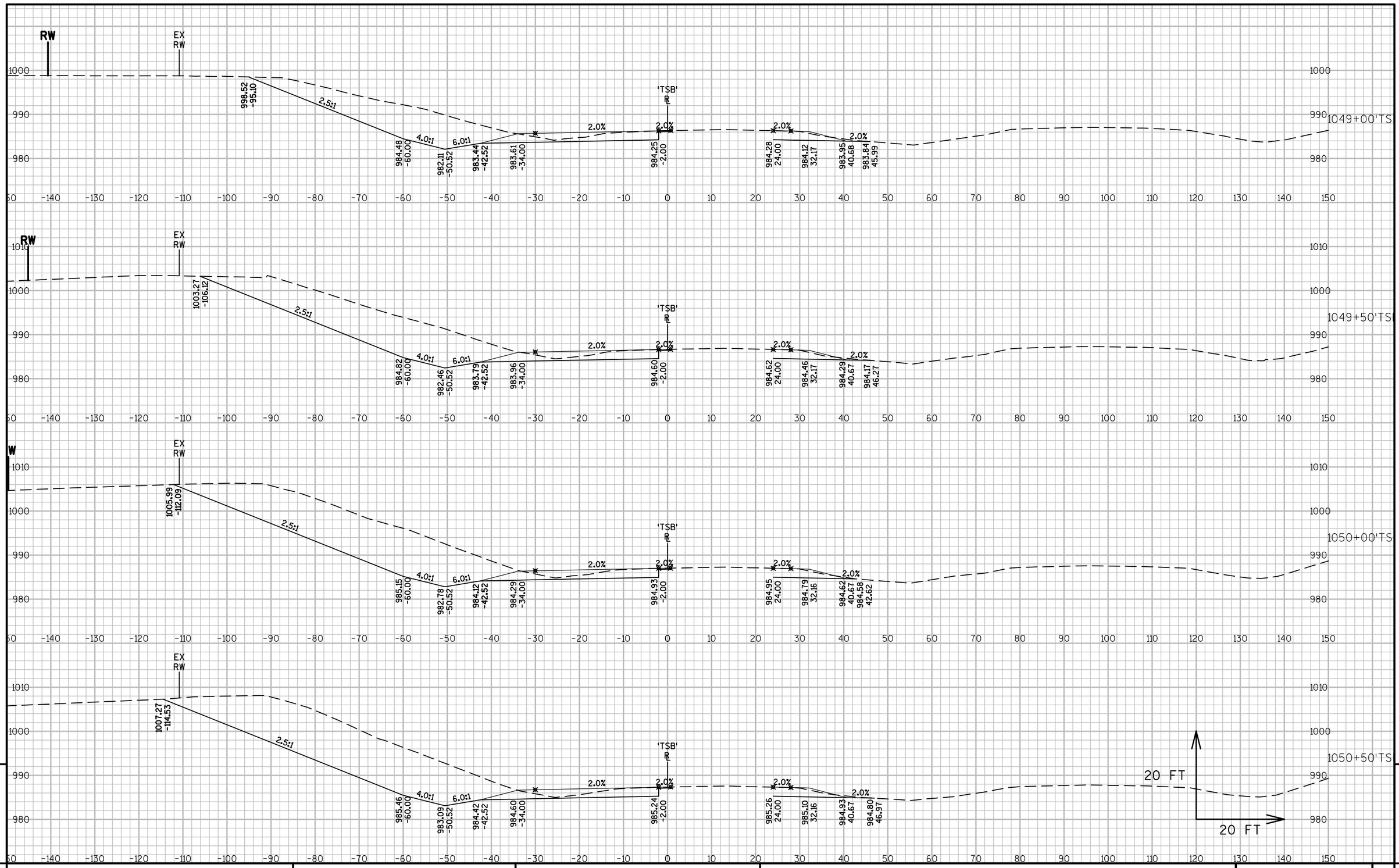
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 391	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090223_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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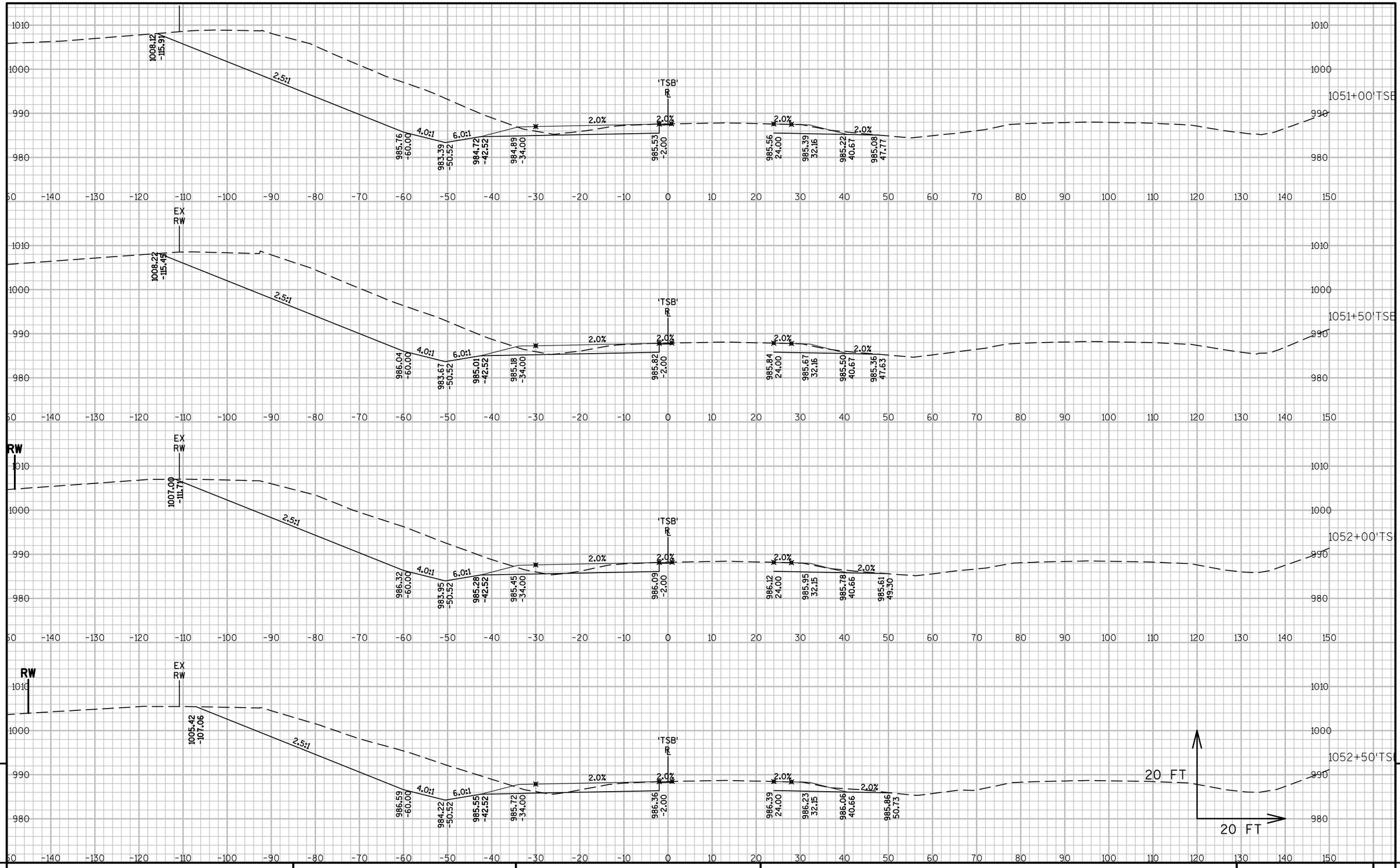
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 392	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090224_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

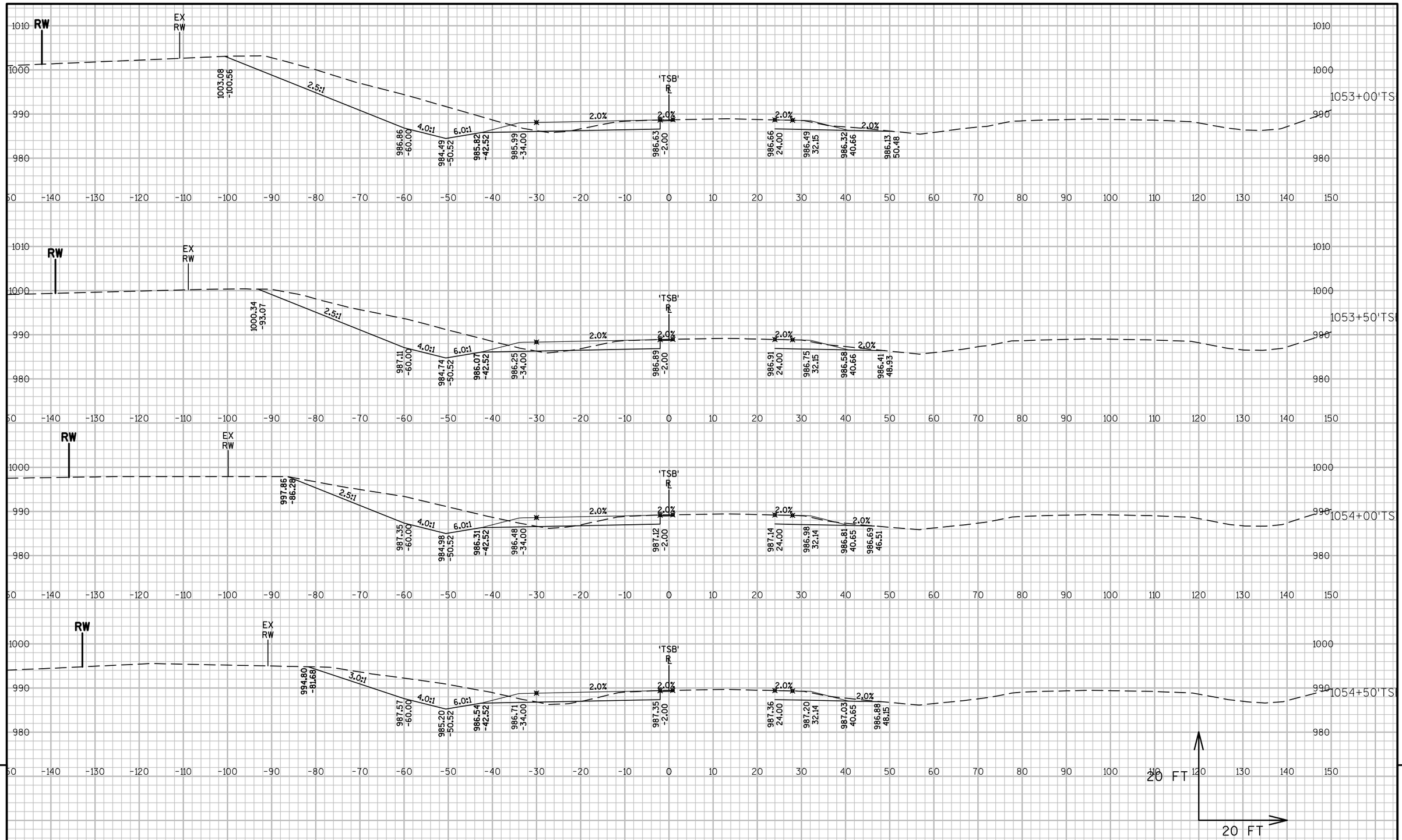


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 393	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090225_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

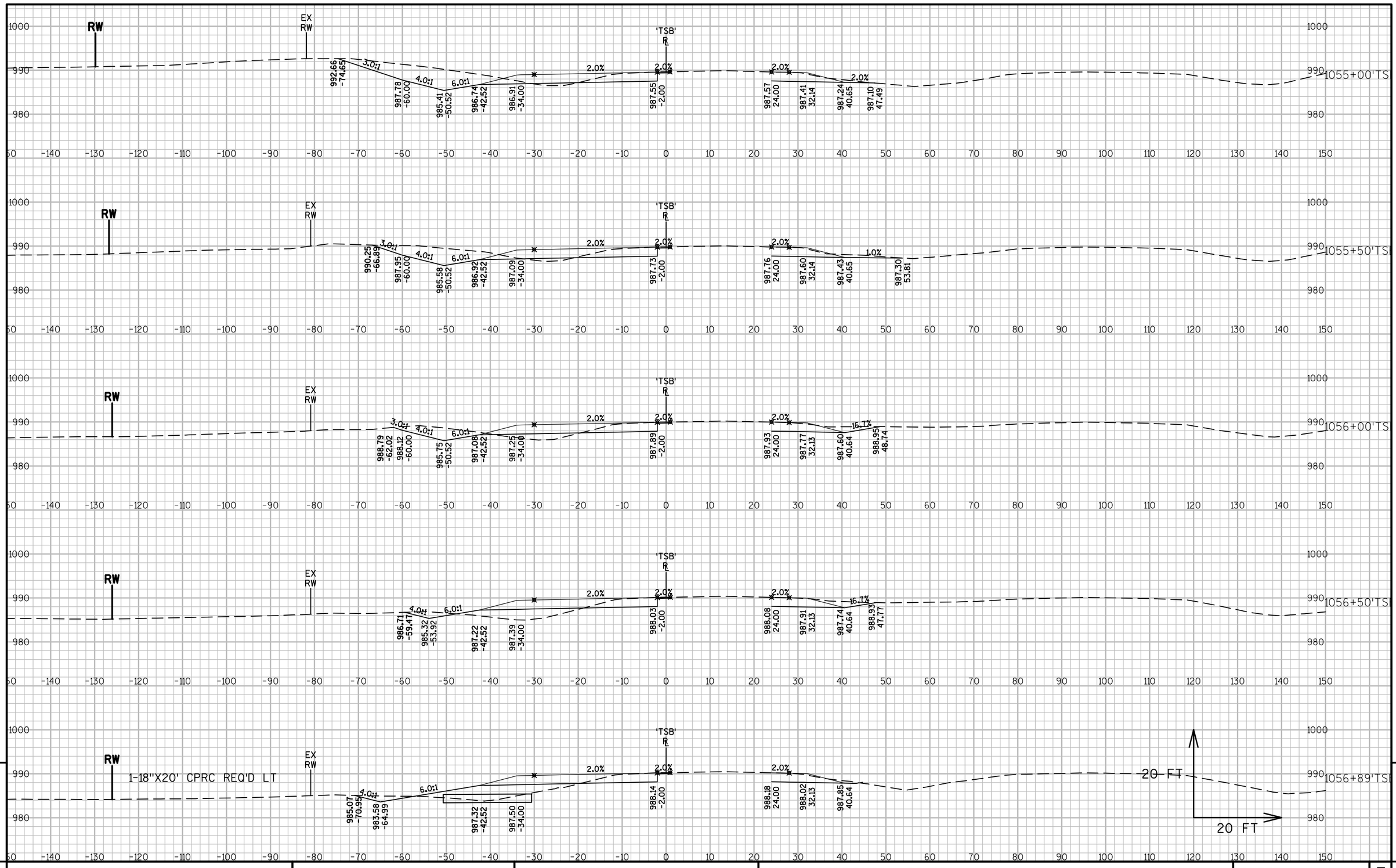


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 394	E

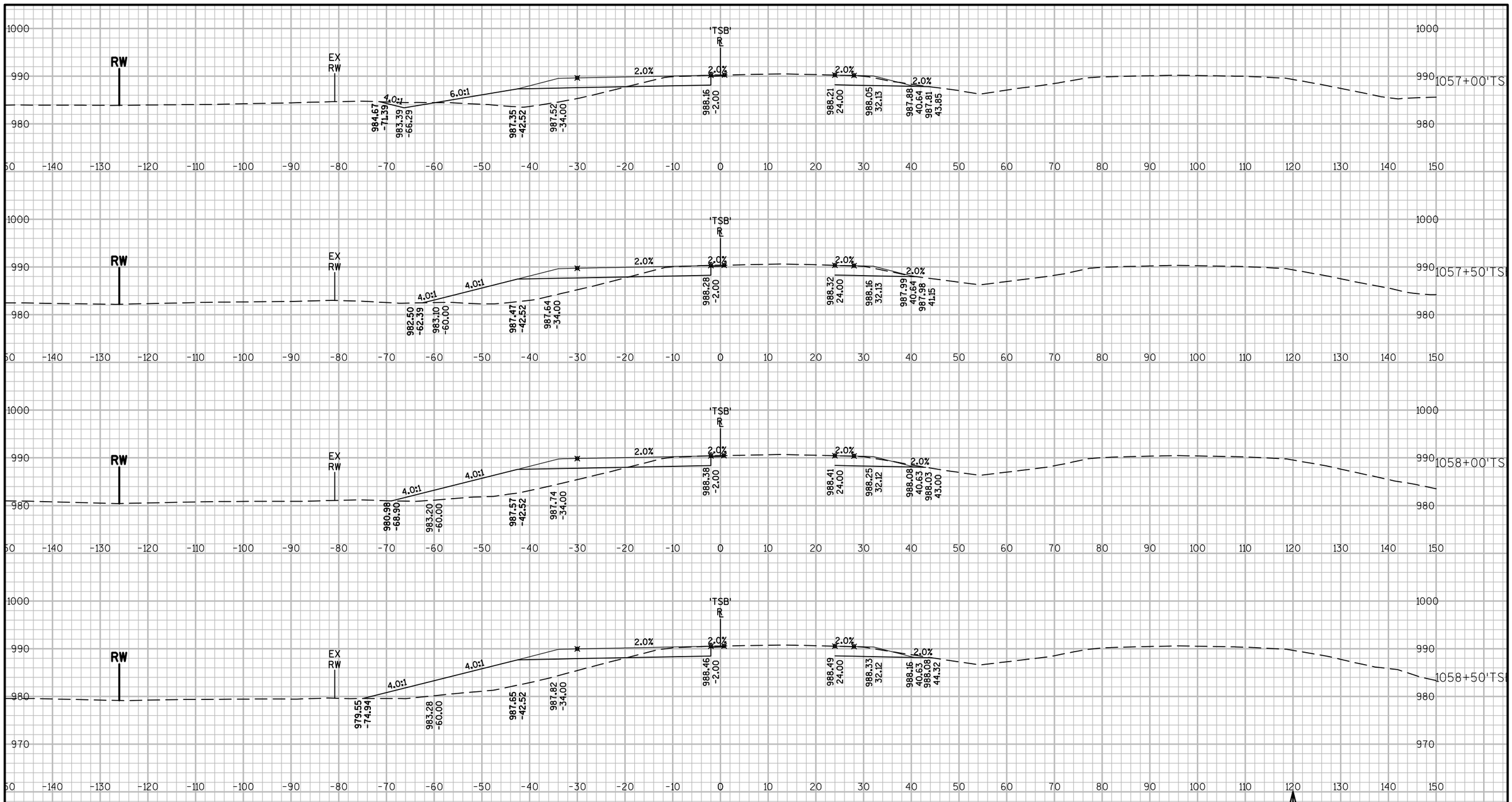
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090226_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

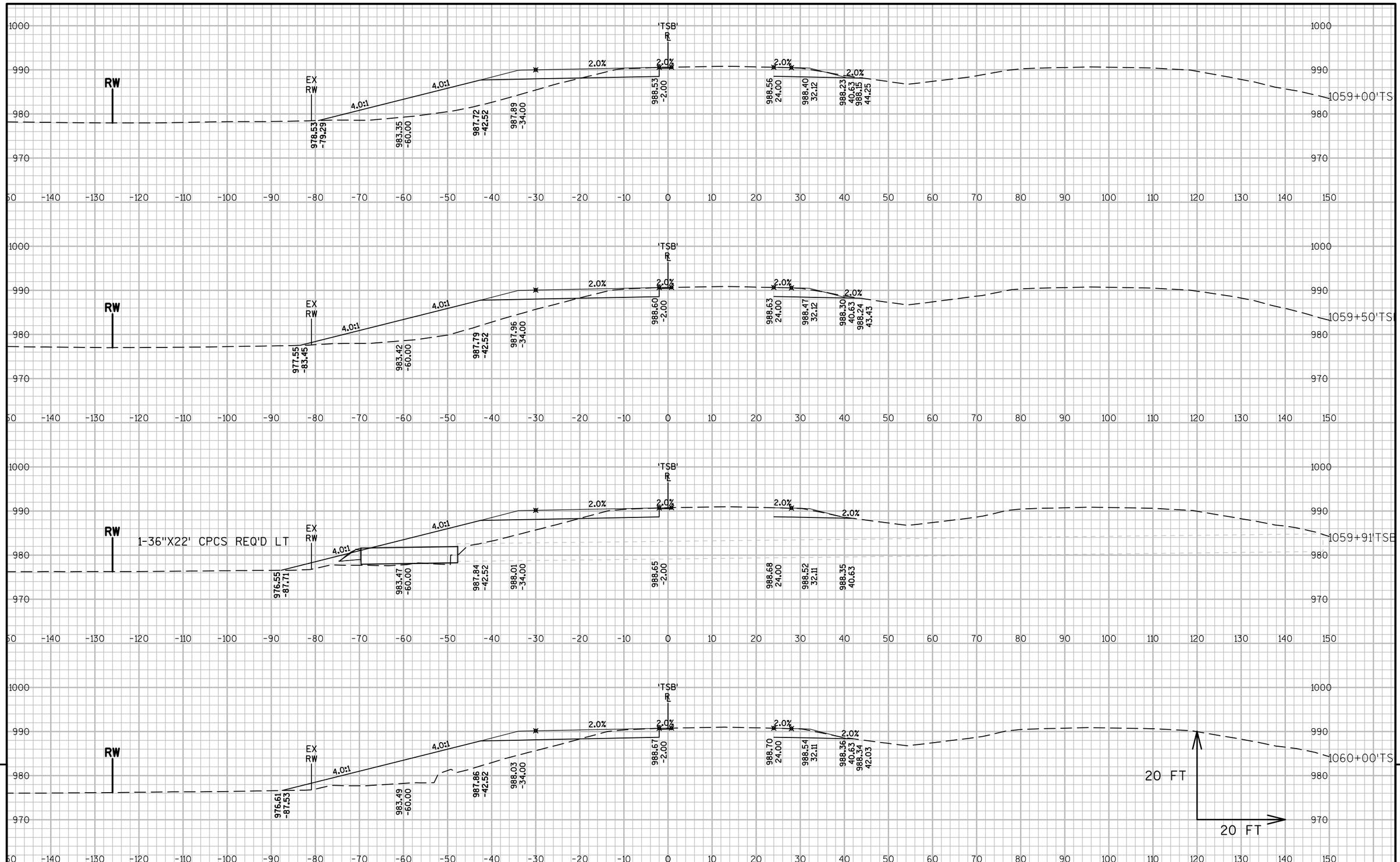
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 395	E



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 396	E

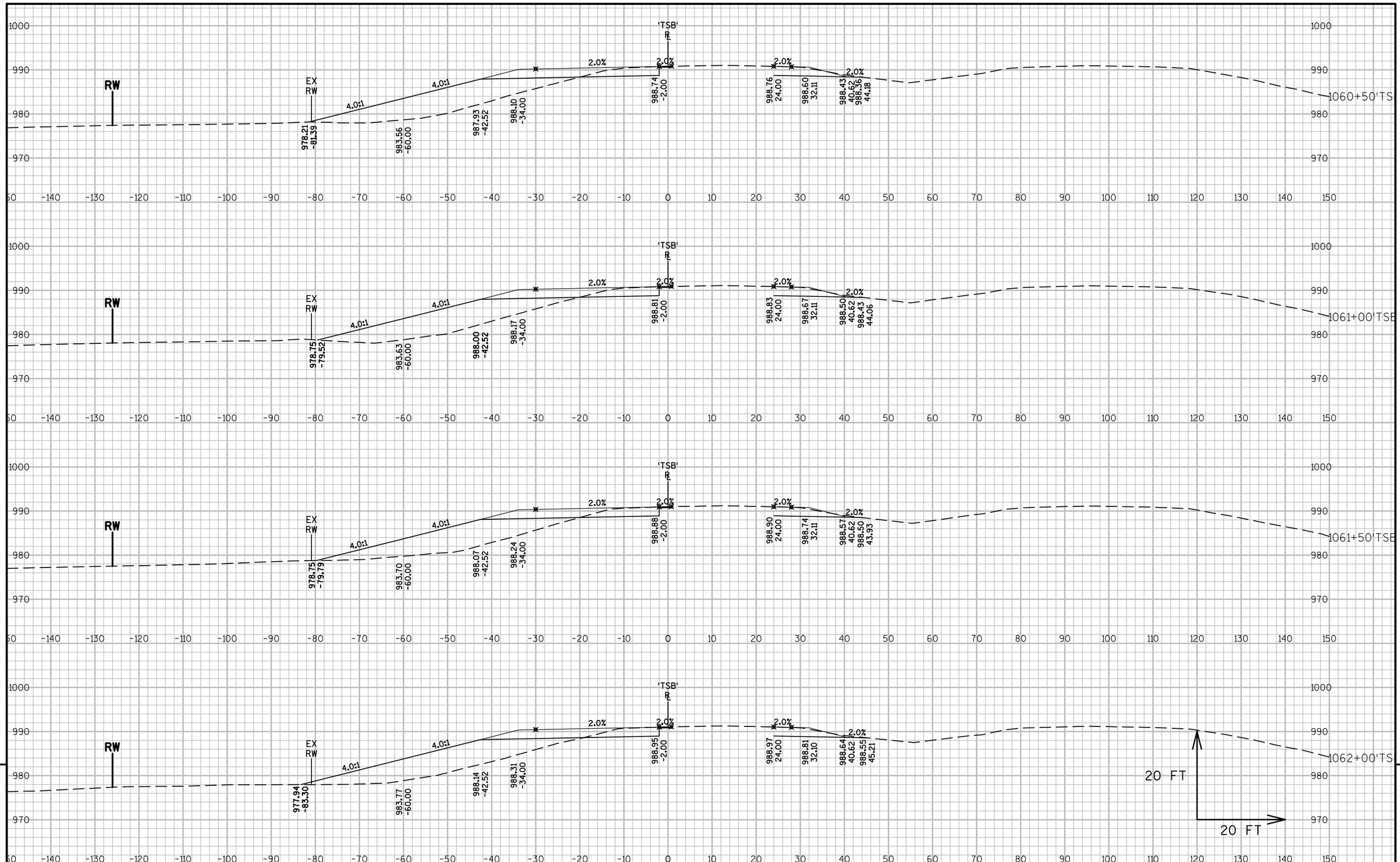


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 397 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090229_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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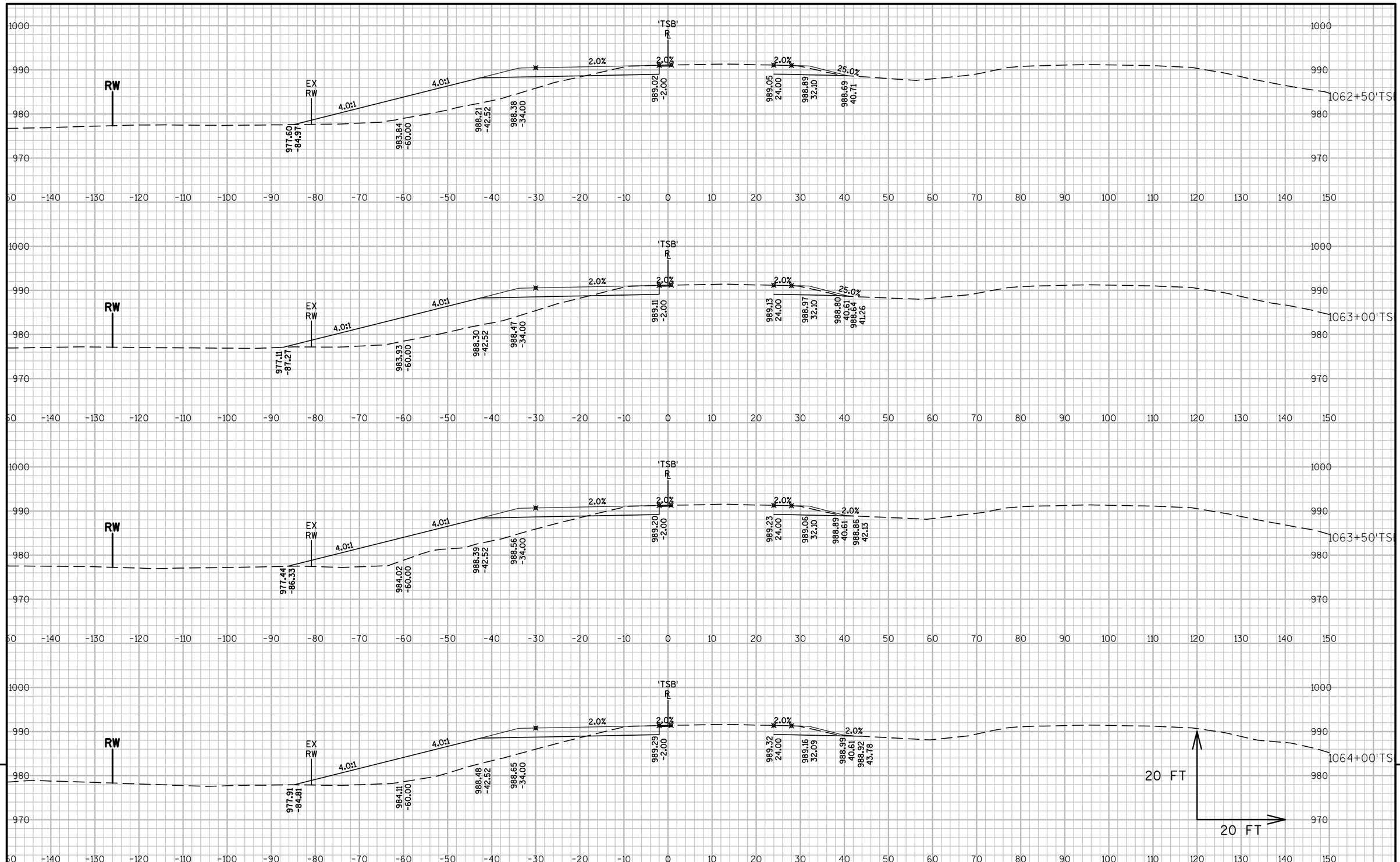
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 398	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090230_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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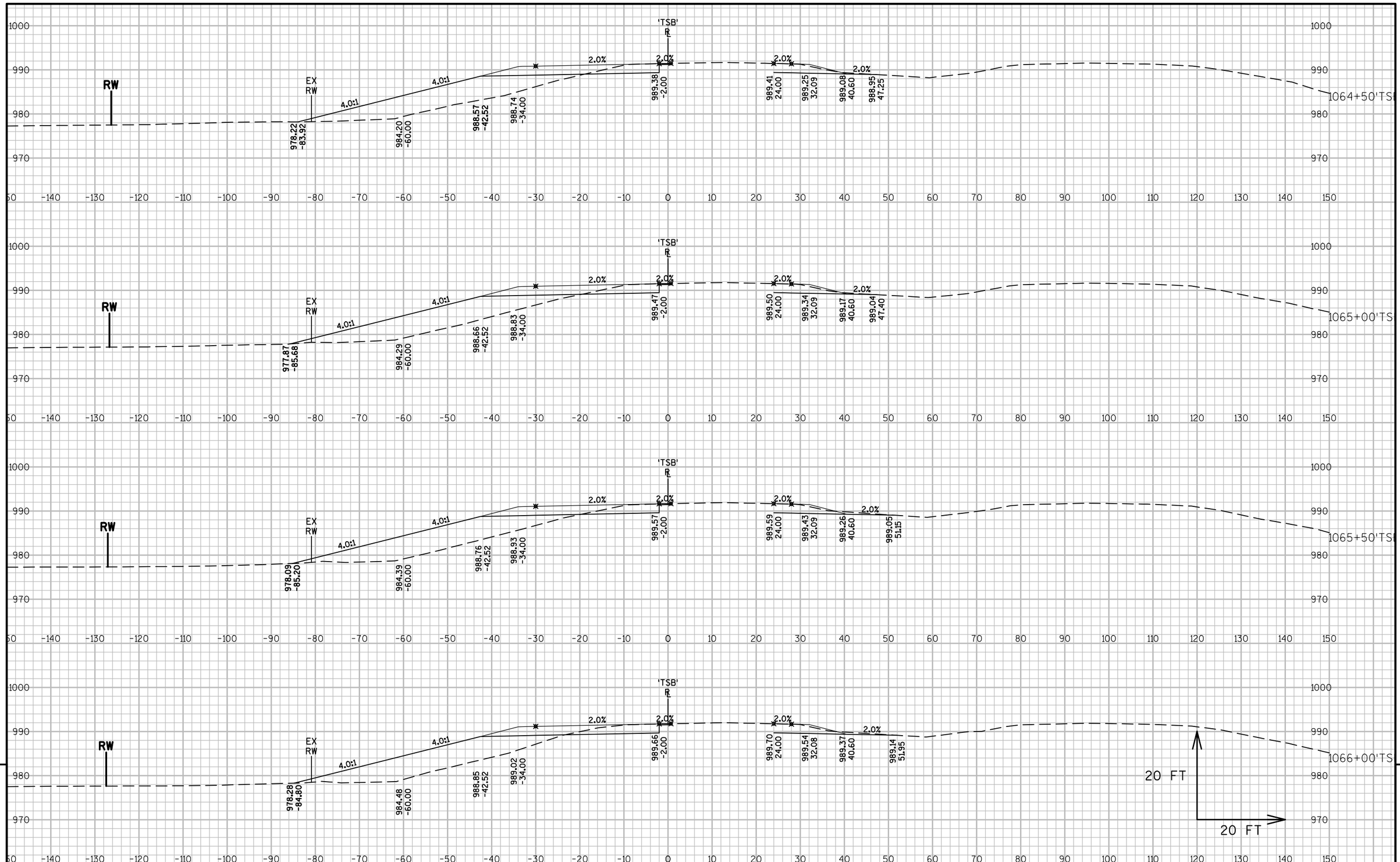
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 399	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090231_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

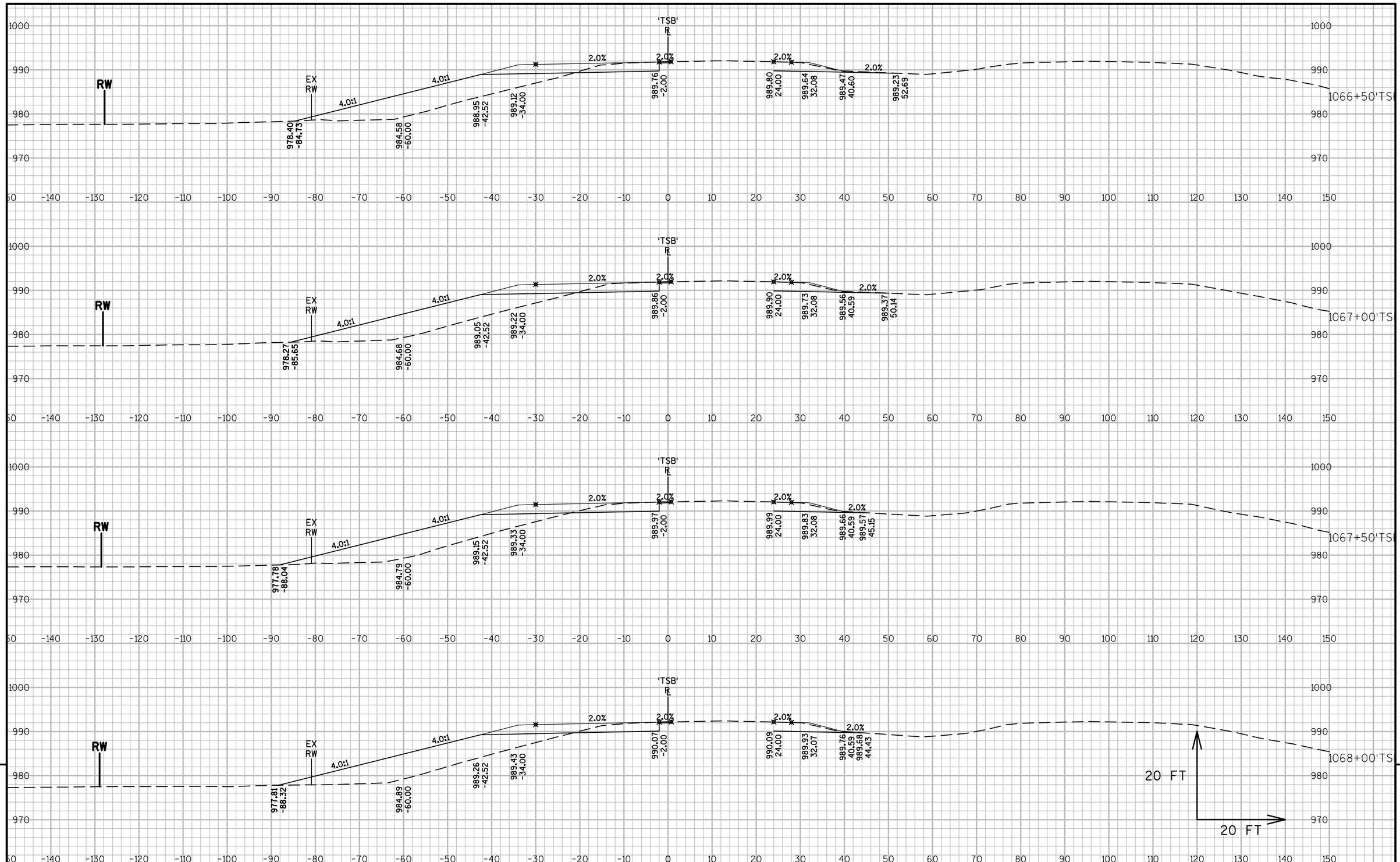


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 400	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090232_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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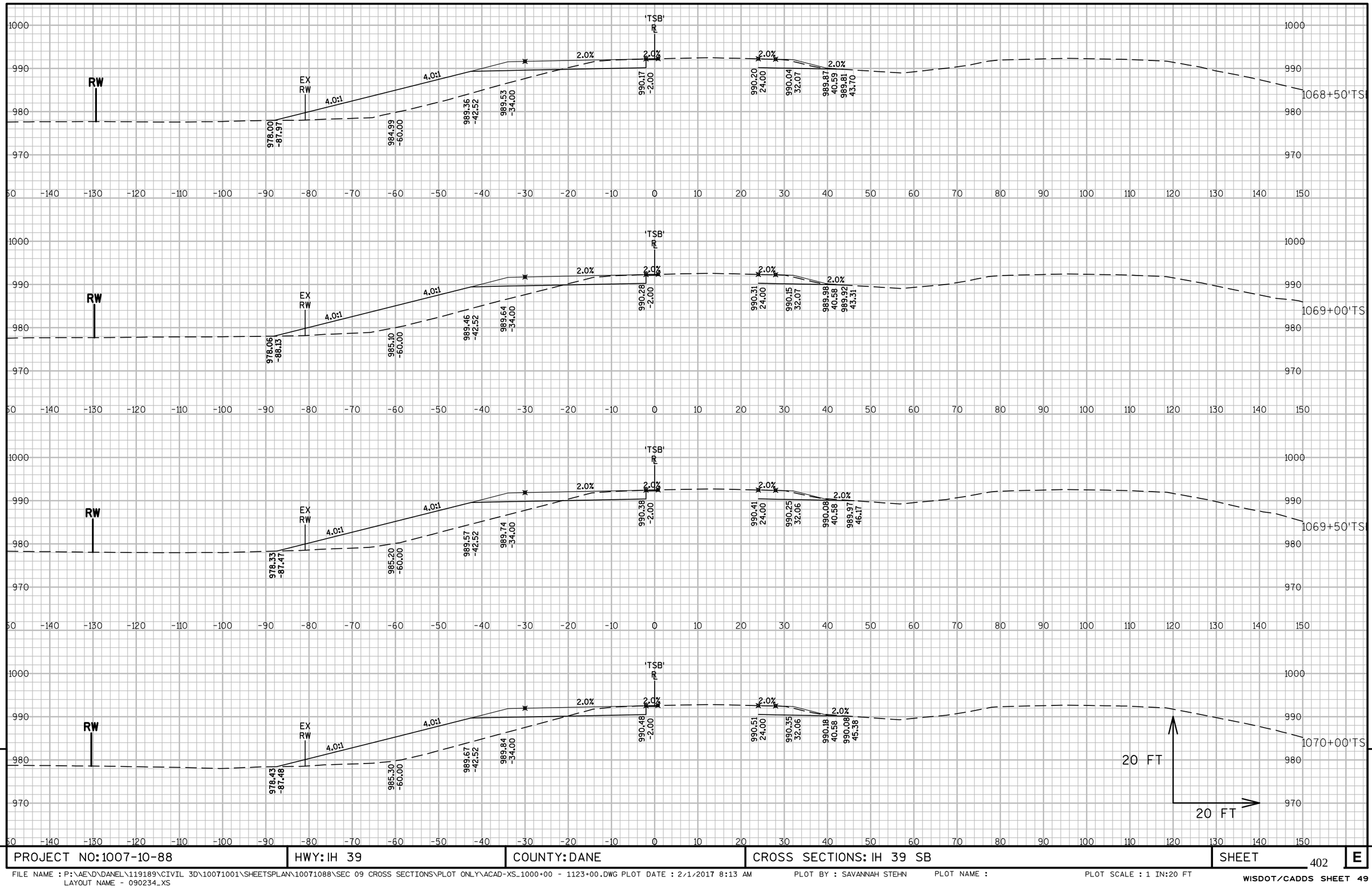
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 401 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090233_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

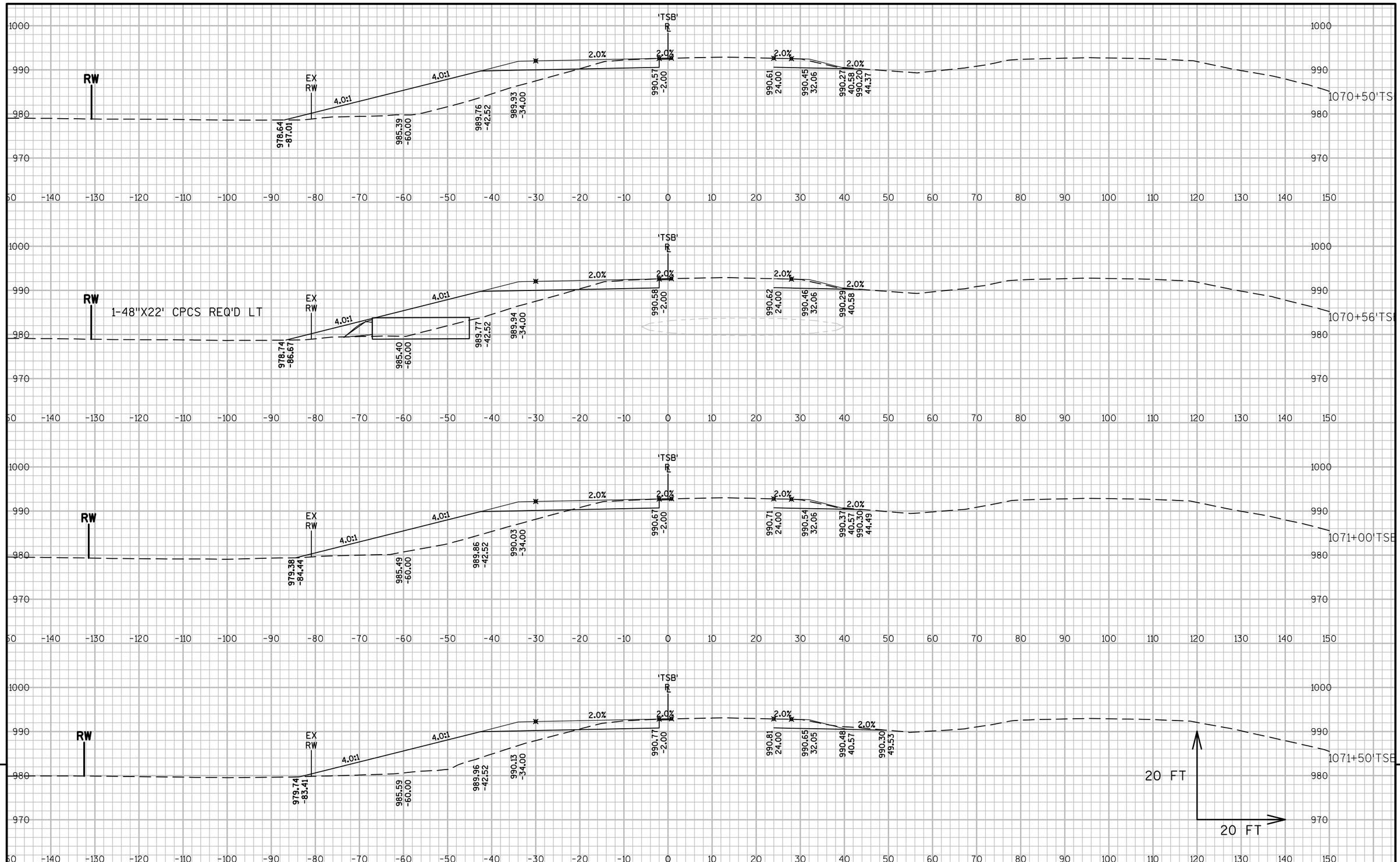


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 402 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:13 AM
LAYOUT NAME - 090234_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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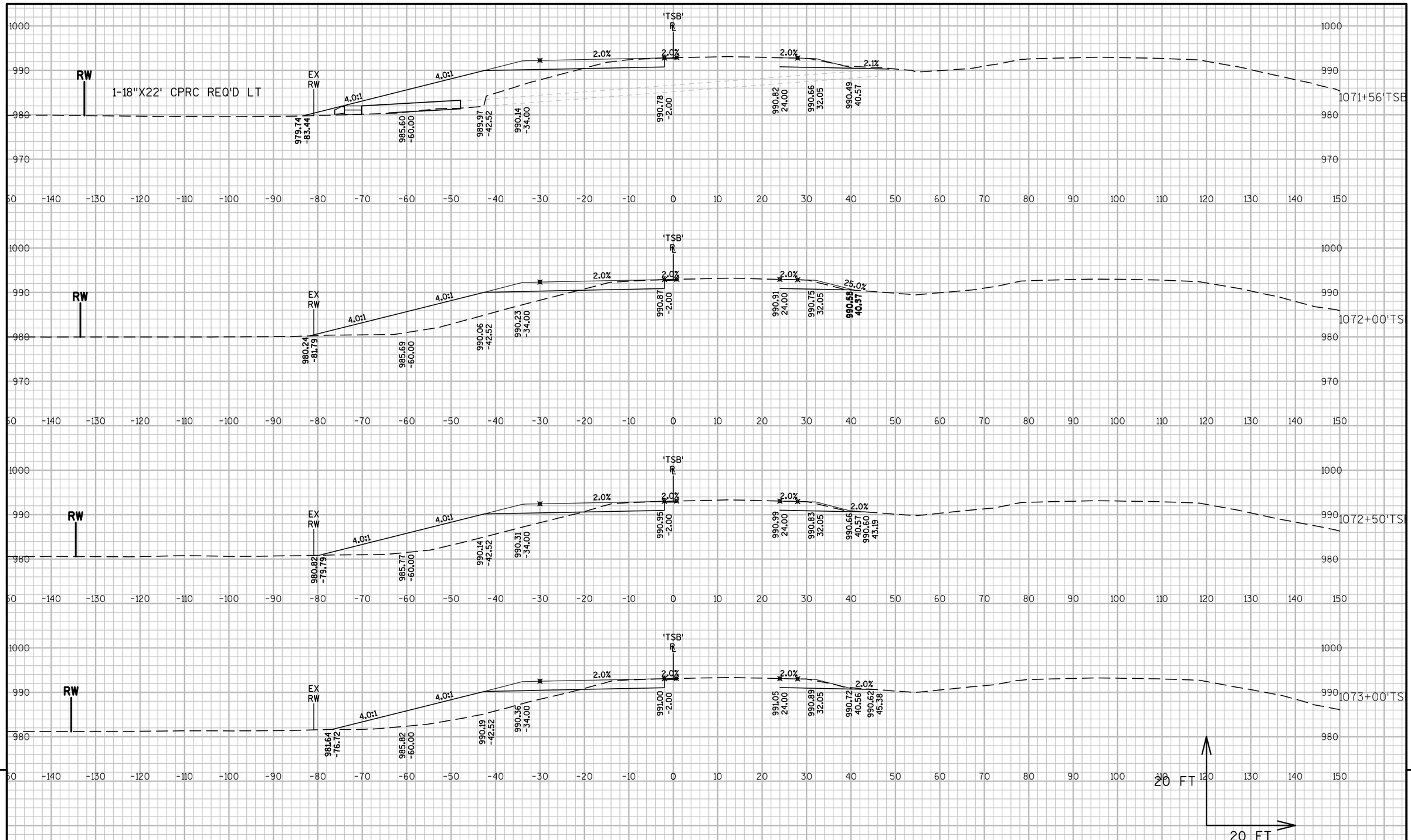
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 403	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090235_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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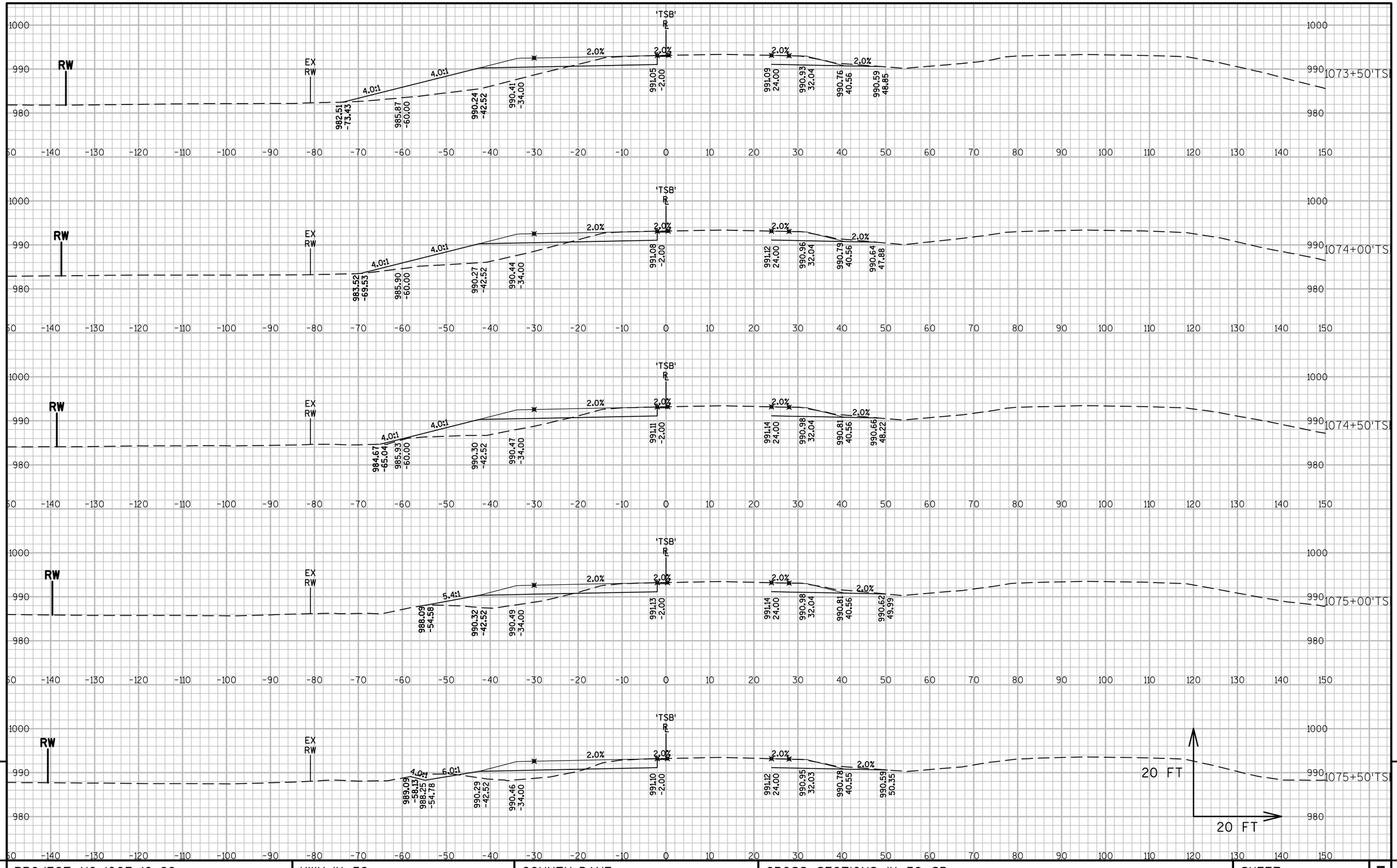
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 404	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090236_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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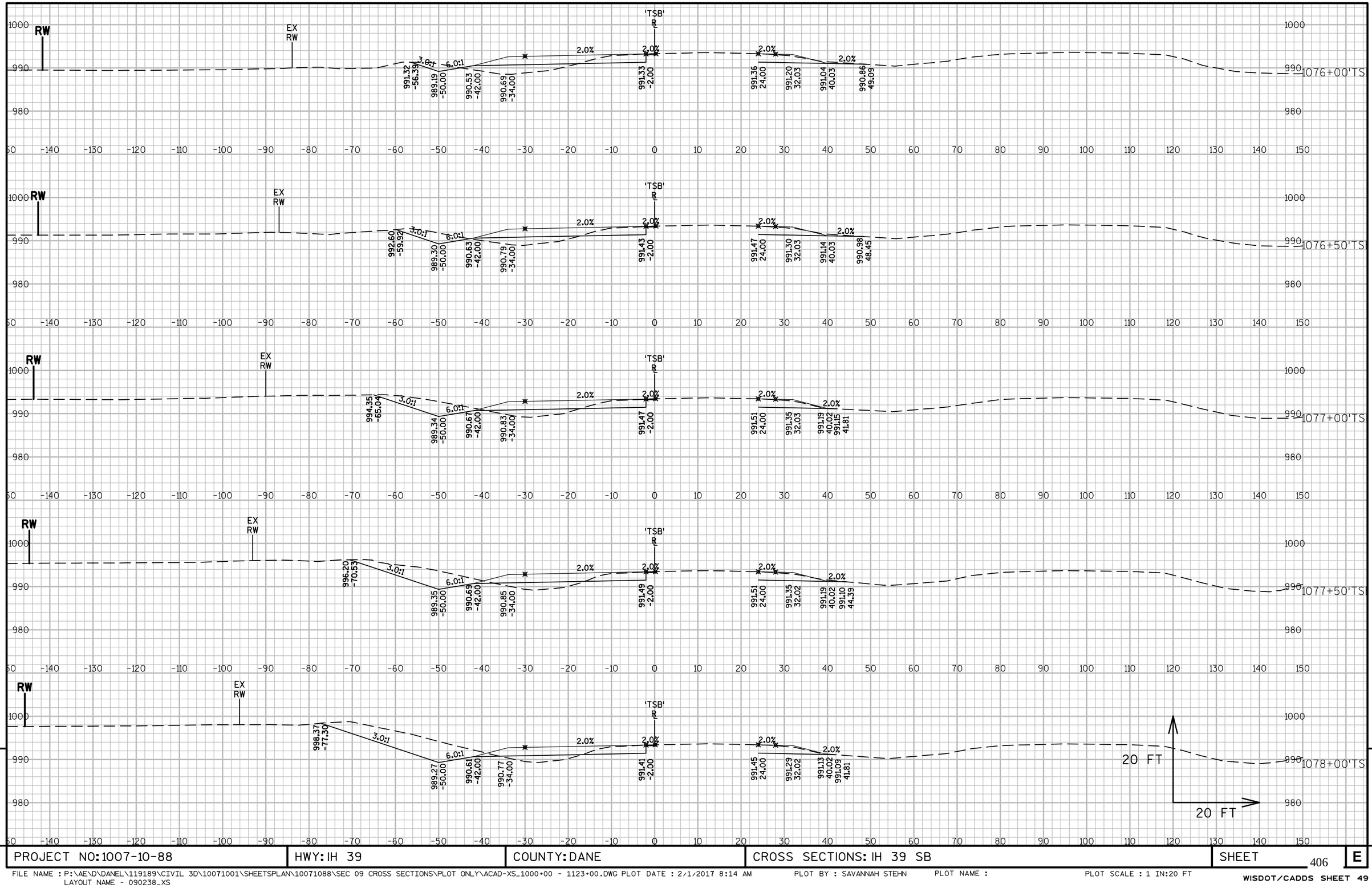
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 405	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090237_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

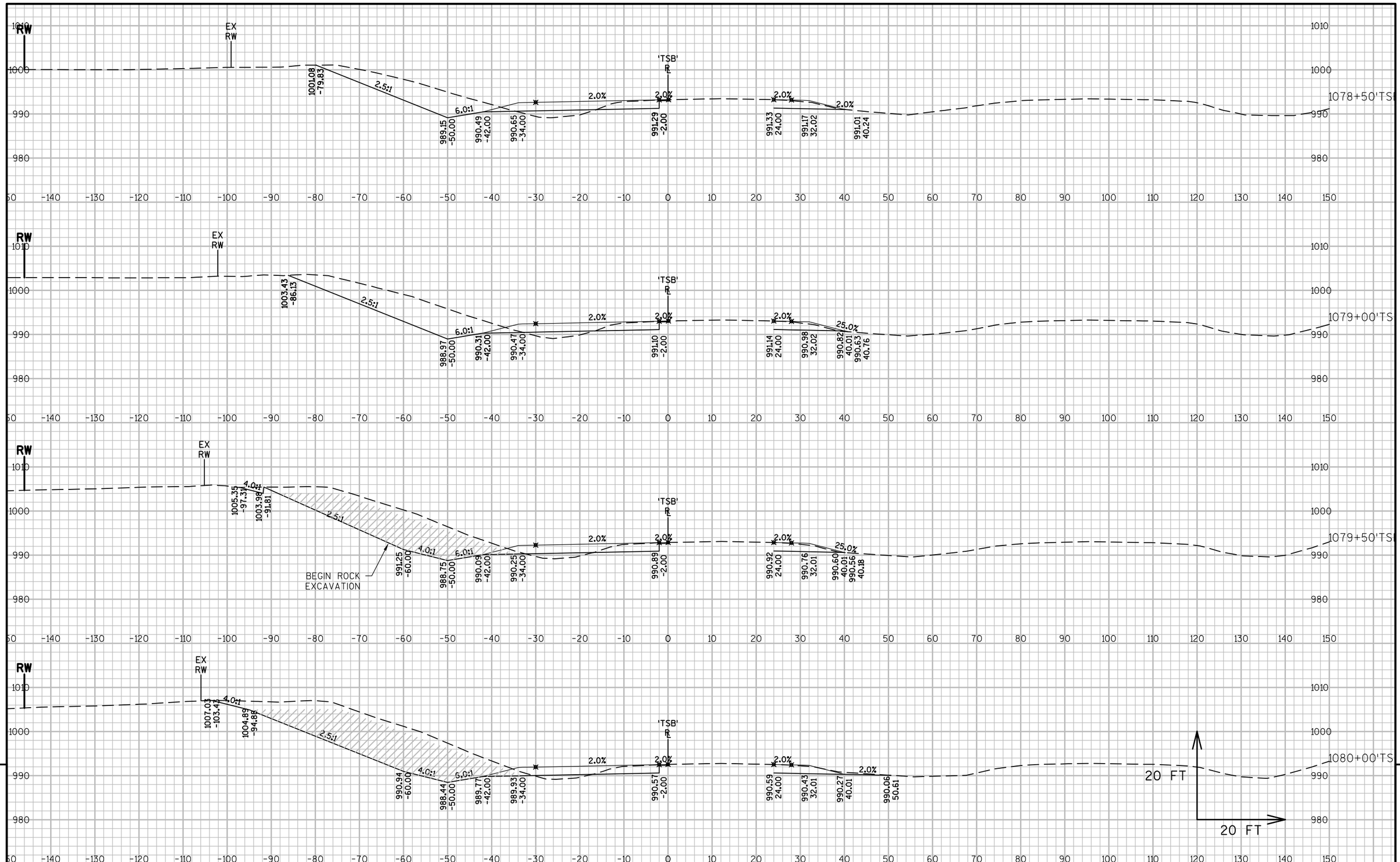


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 406	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090238_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

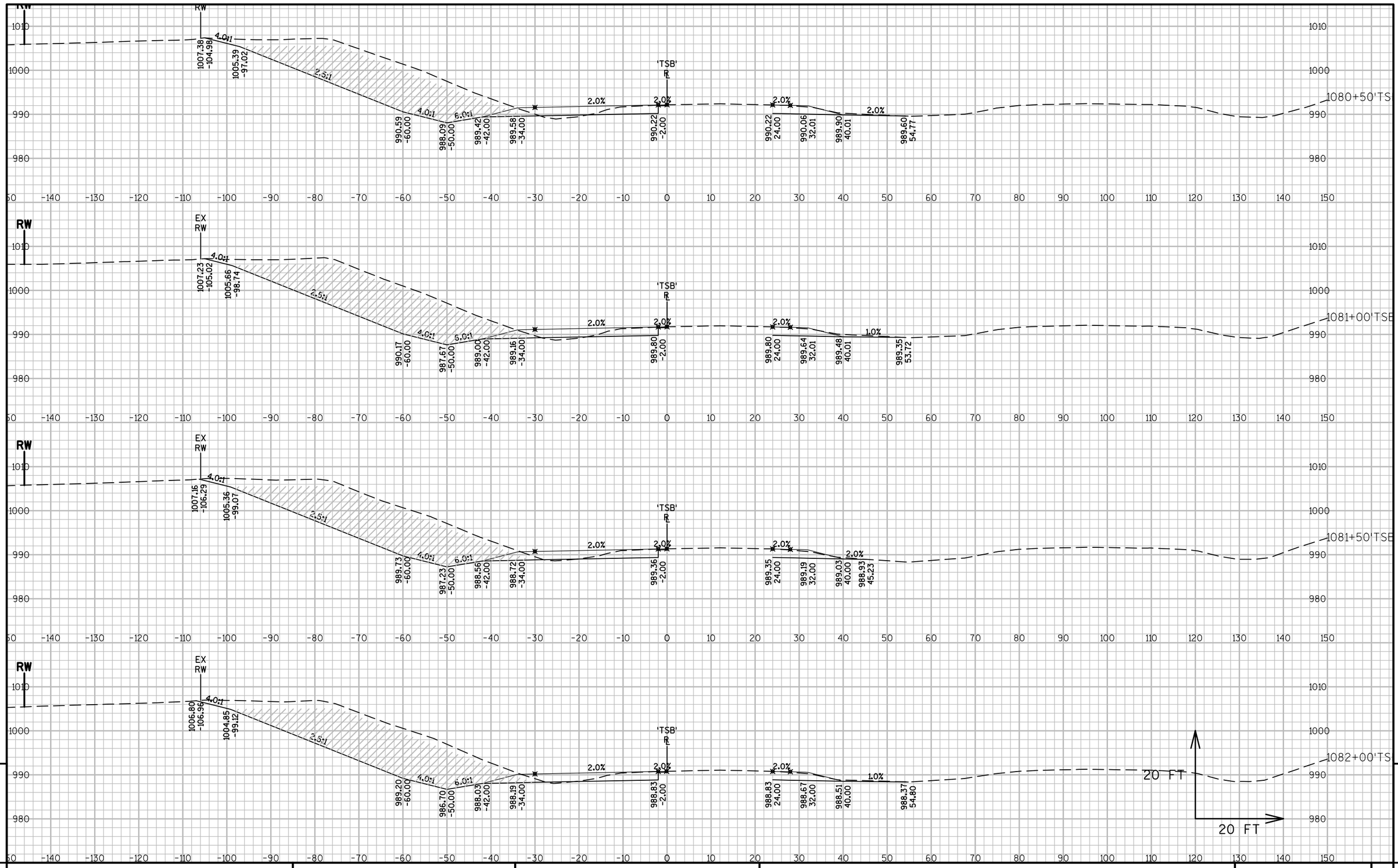


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 407	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090239_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

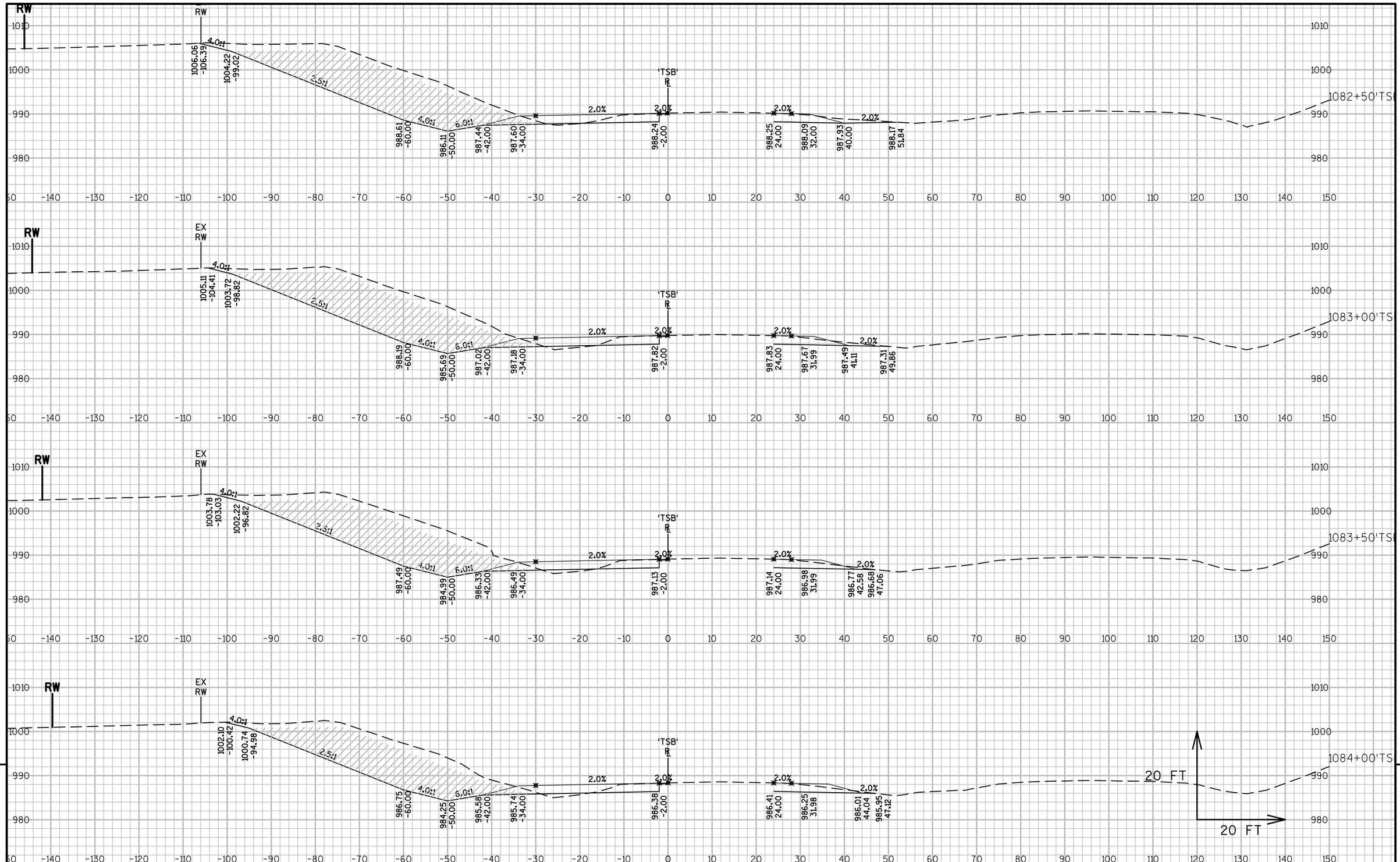


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 408	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090240_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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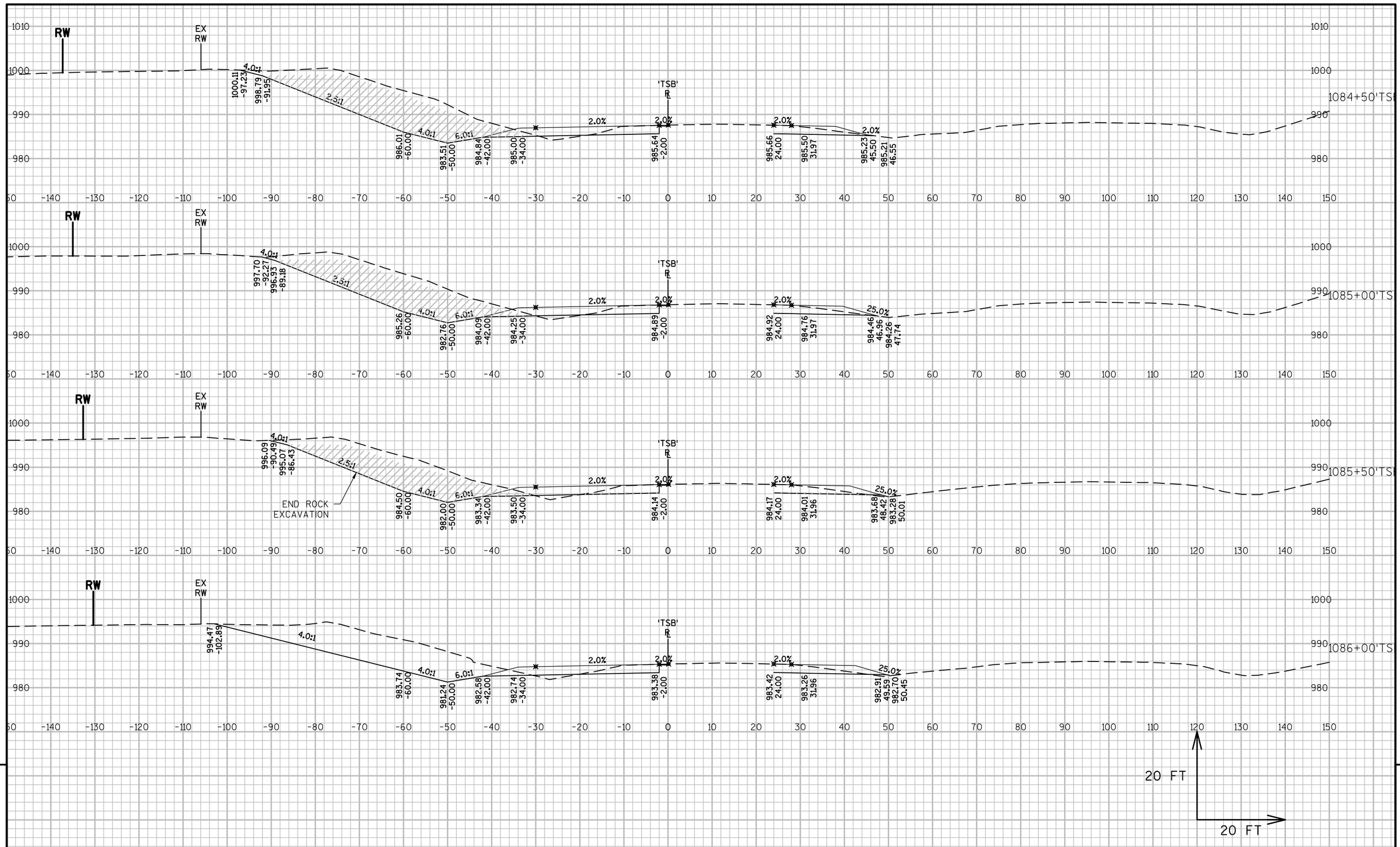
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 409	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090241_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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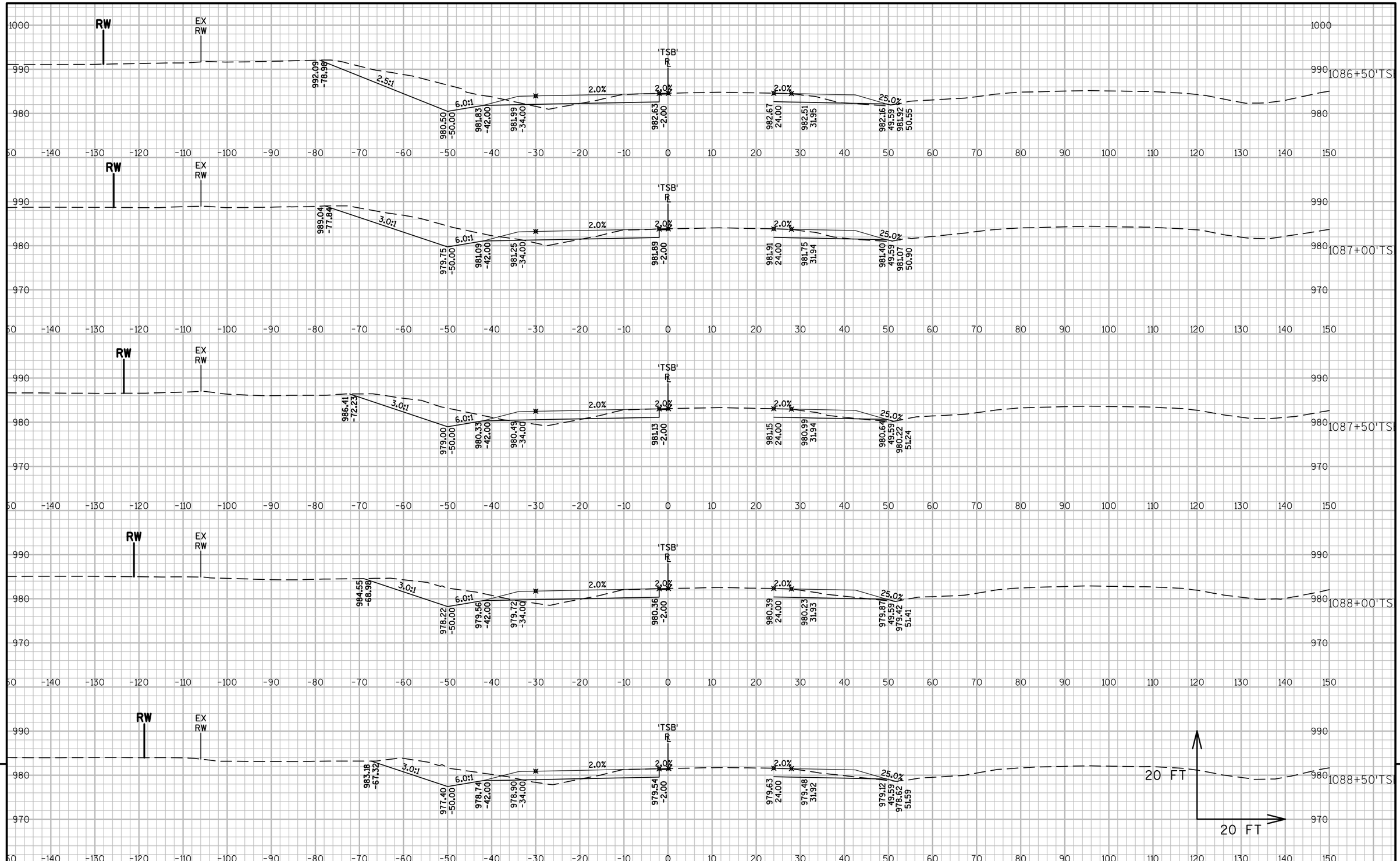
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 410	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090242_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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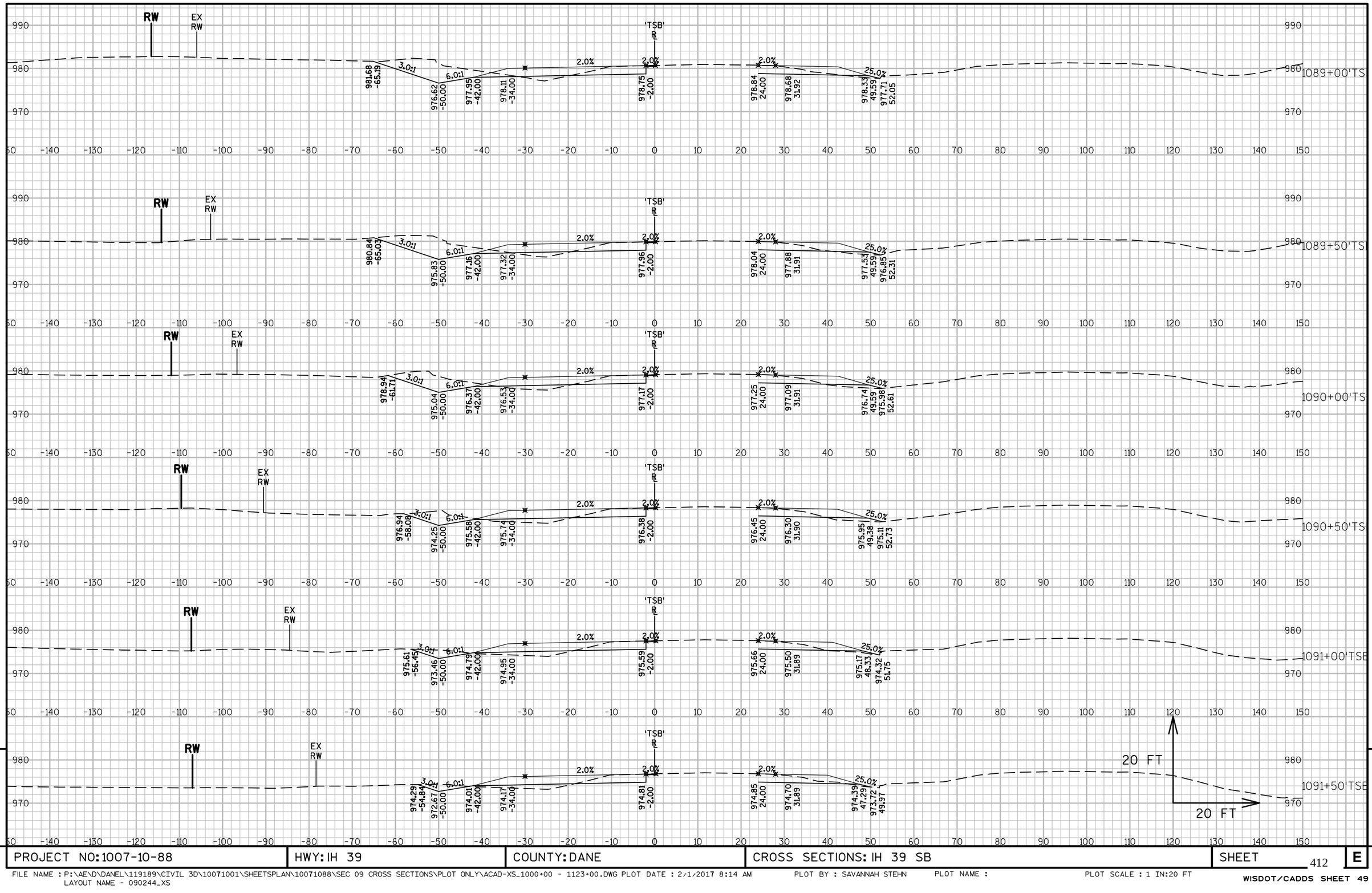
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 411	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090243_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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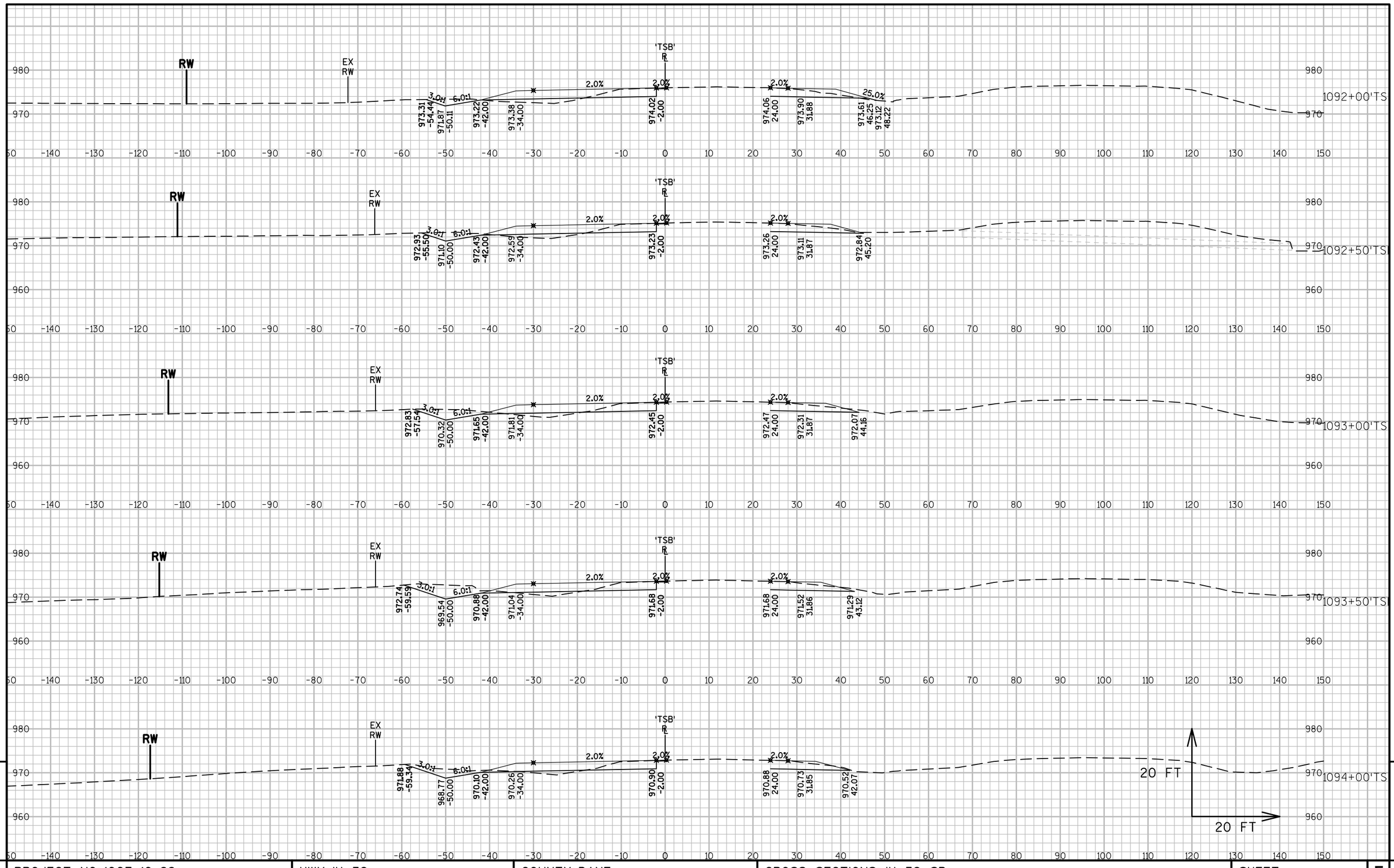
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 412	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090244_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

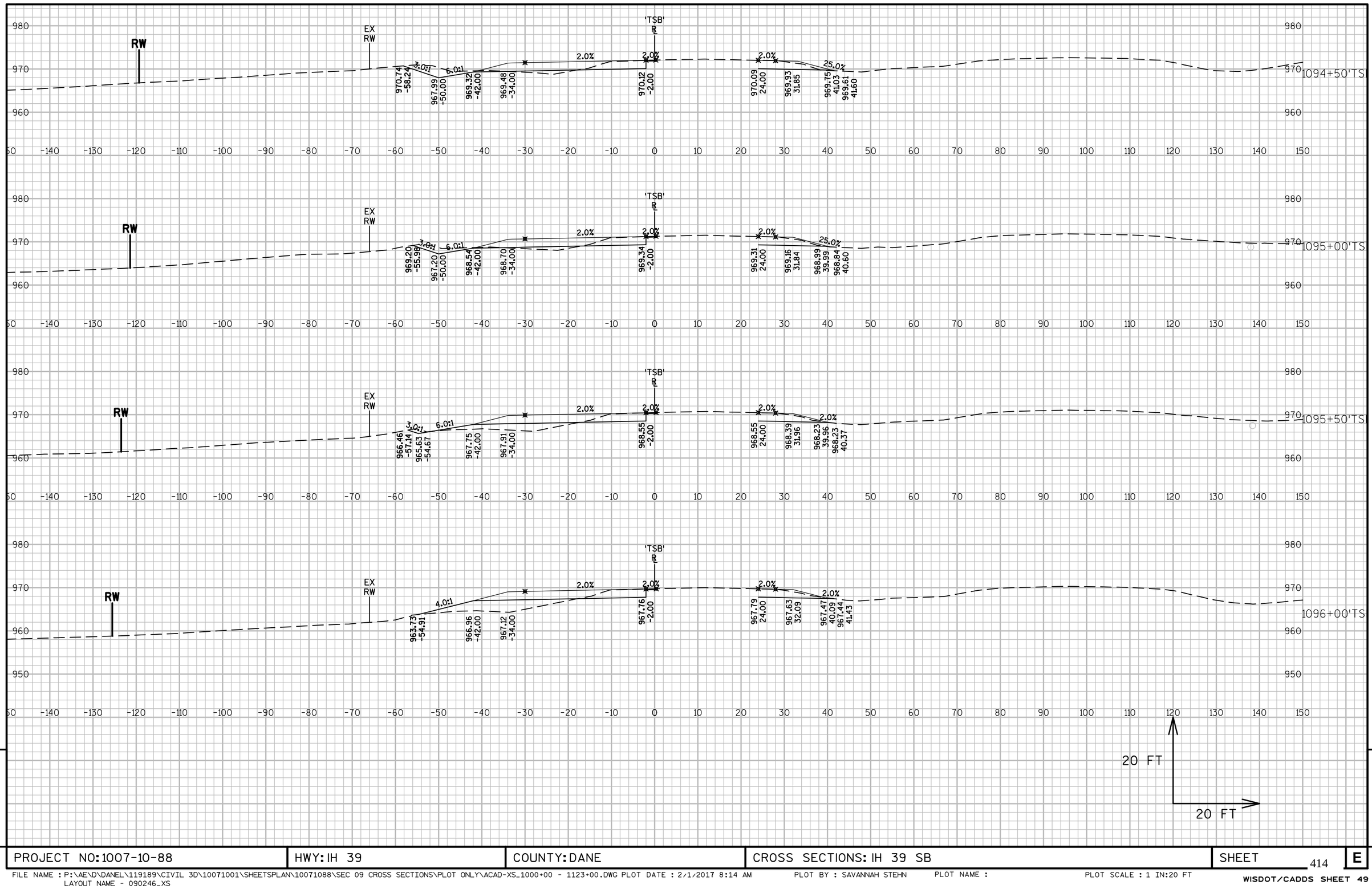


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 413	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090245_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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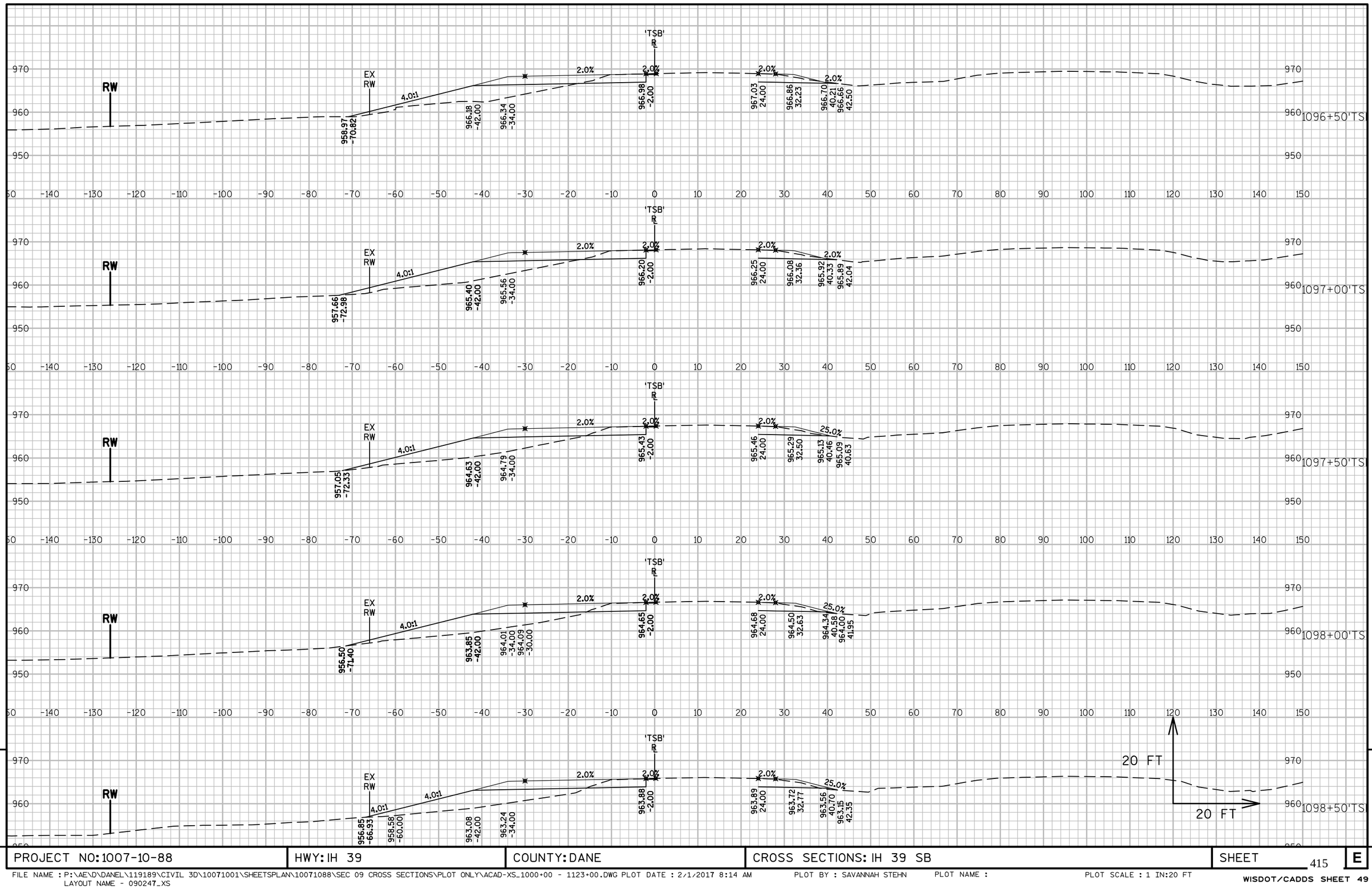
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 414	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090246_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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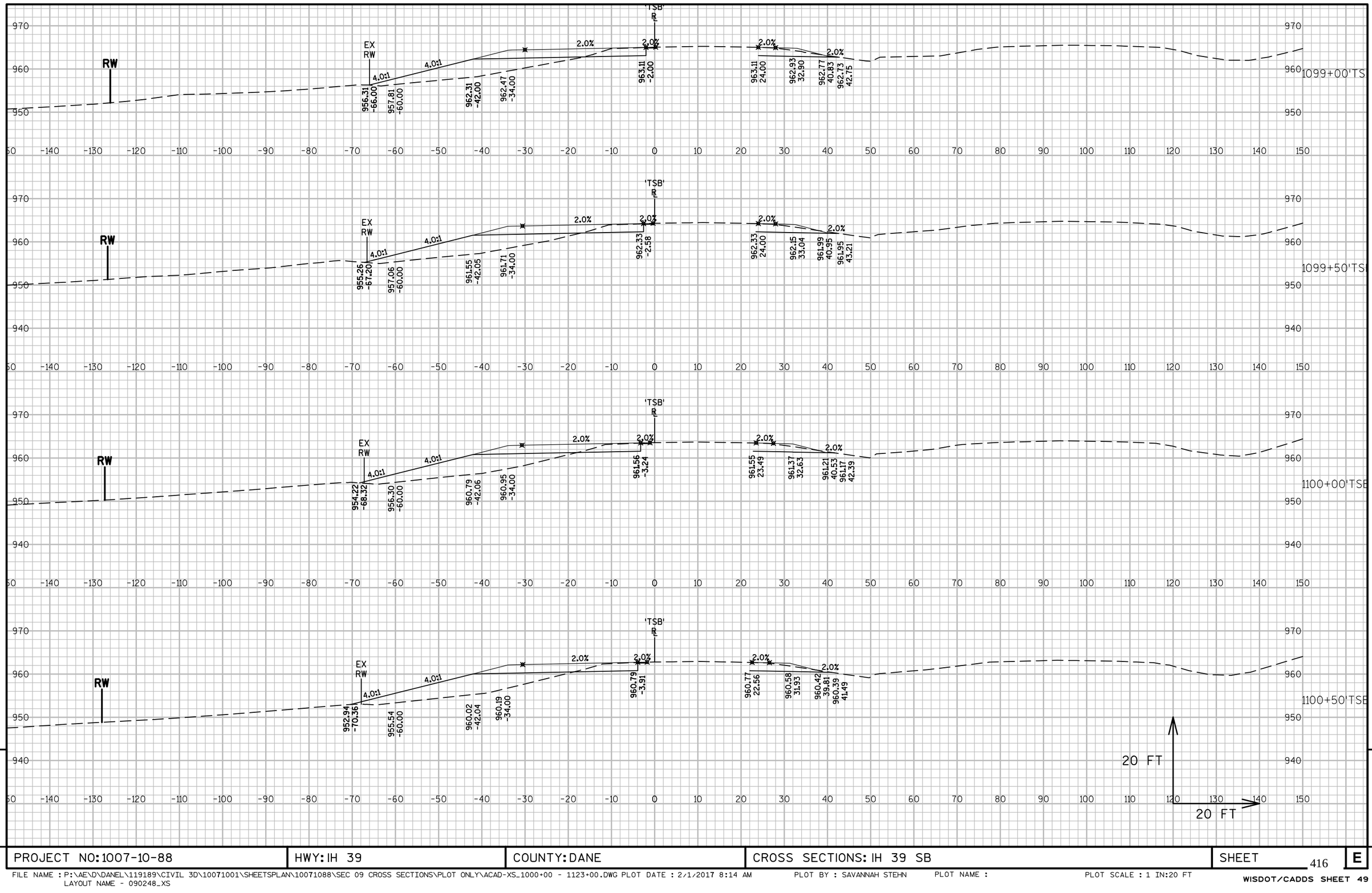
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 415	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090247_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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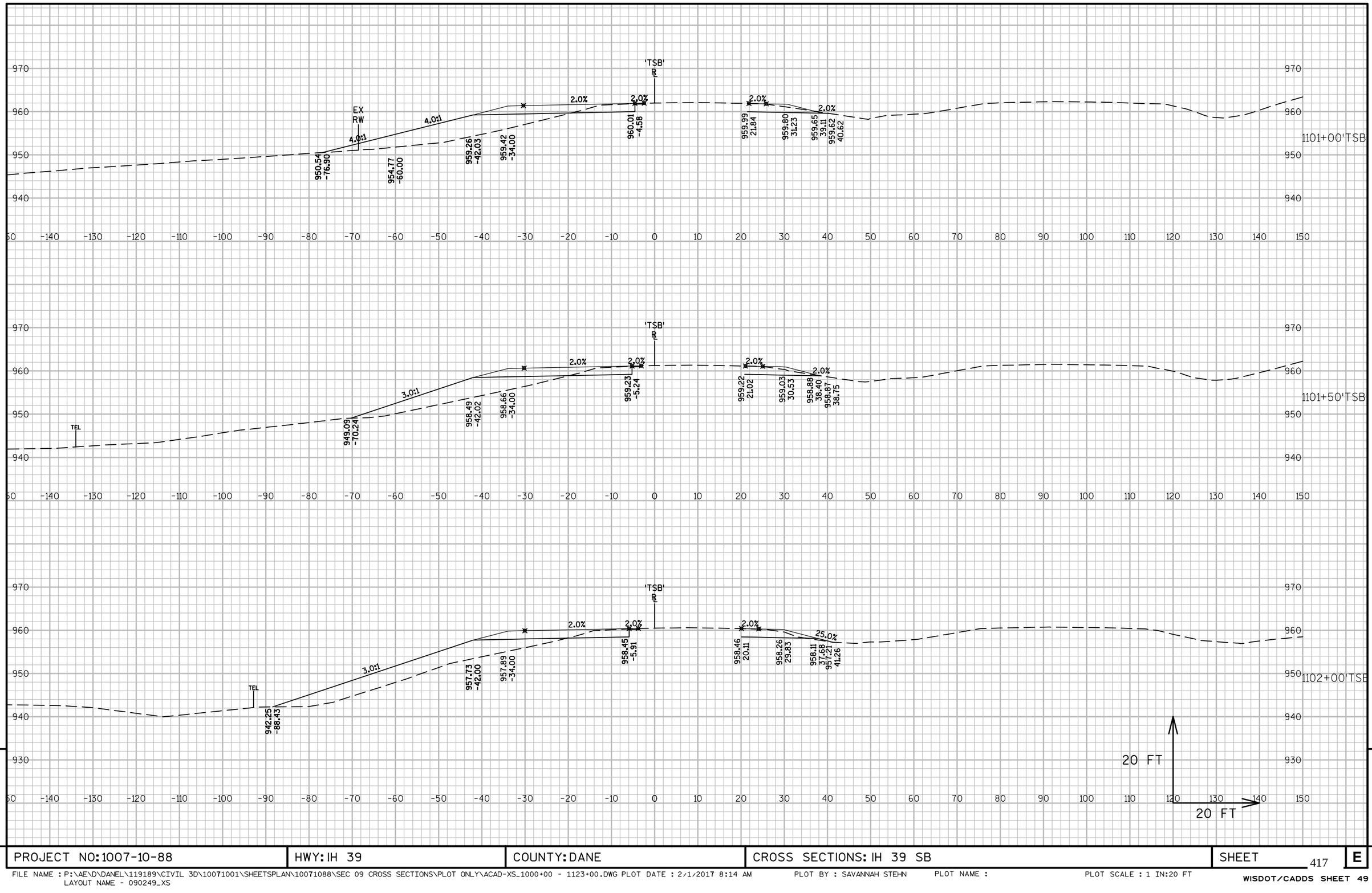
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 416	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090248_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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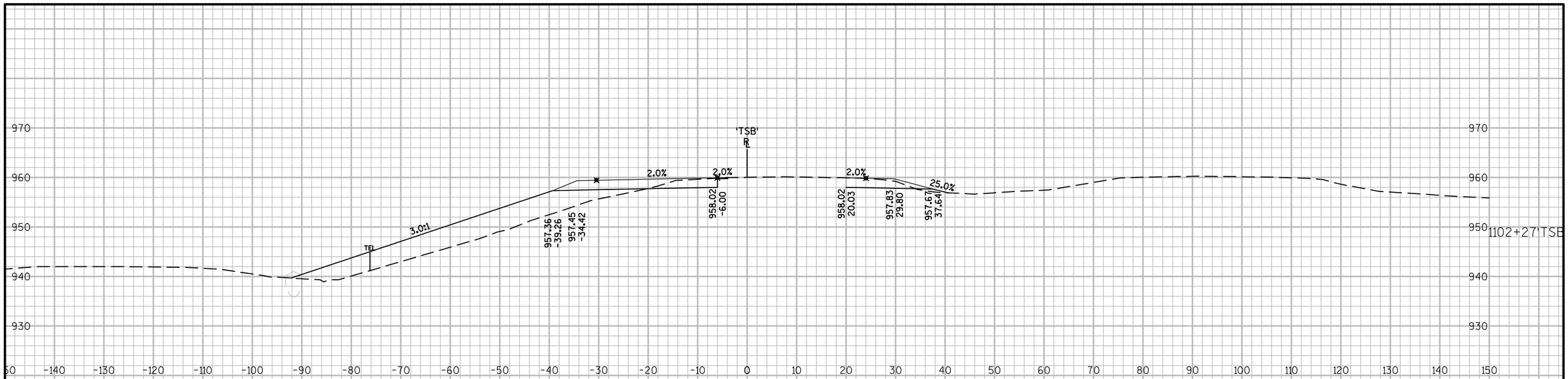
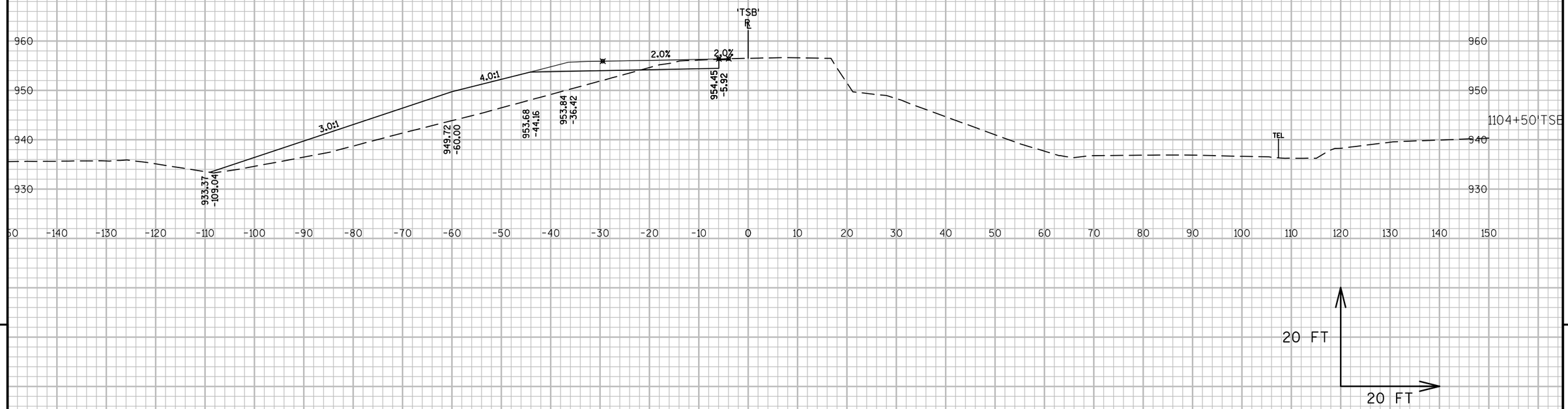
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 417	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090249_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

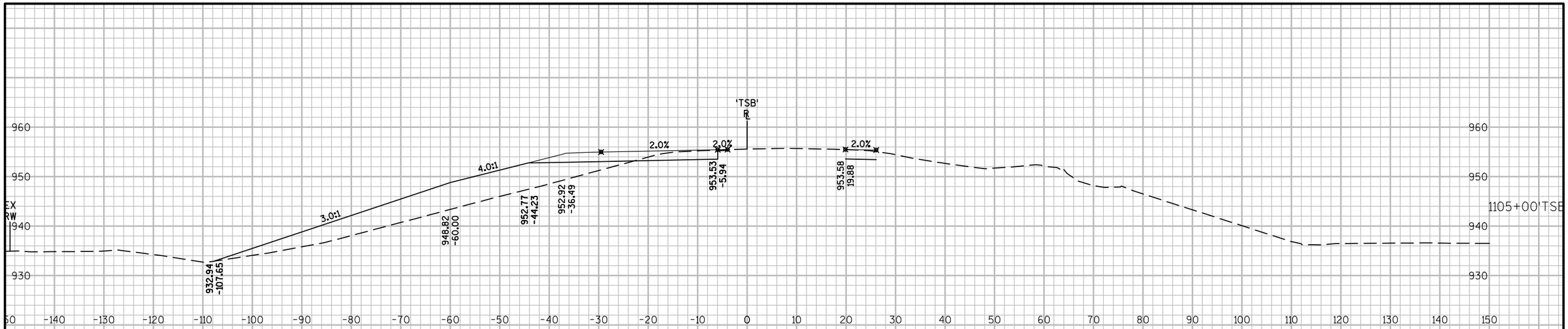


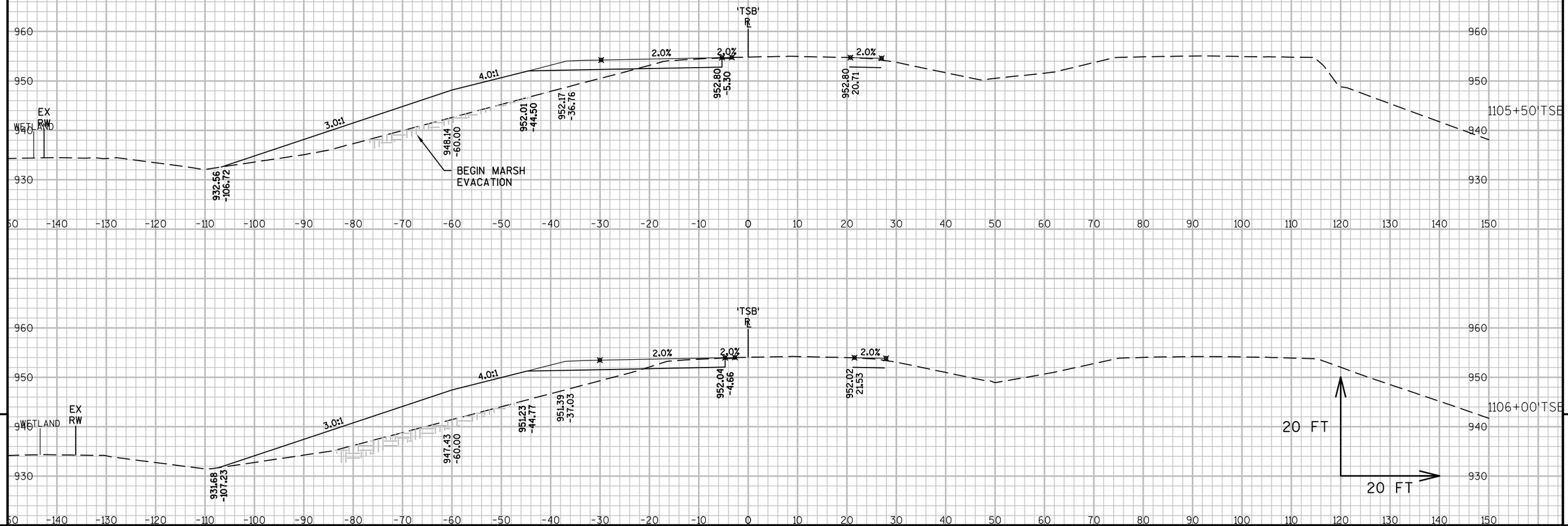
STRUCTURE WIDENING B-13-148
STA 1102+68'TSB' - 1104+21'TSB'



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 418	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090250_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49





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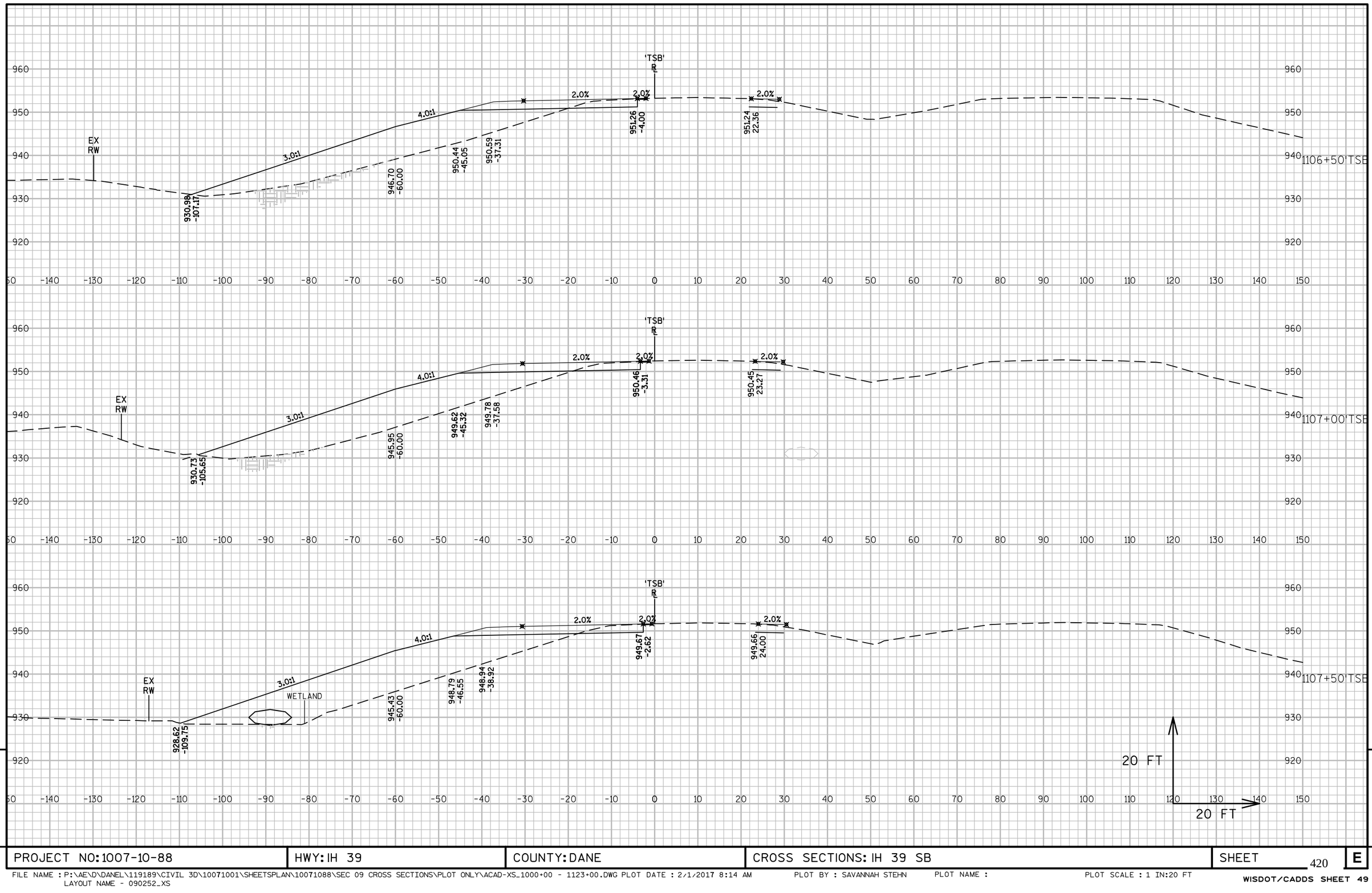
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 419	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090251_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 420	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090252_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

1-36"X26" CPCS REQ'D LT

EX RW

WETLAND

'TSB' R

4.0:1

3.0:1

2.0%

928.68 -109.72

945.48 -60.00

948.71 -47.06

948.86 -39.48

949.60 -2.57

949.60 24.00

1107+54'TSB

944.89 -60.00

947.95 -47.73

948.10 -40.27

948.87 -1.94

948.87 24.00

1108+00'TSB

935.87 -90.06

943.39 -60.00

947.22 -44.68

947.37 -36.94

948.07 -1.92

948.07 24.00

1108+50'TSB

936.99 -79.92

941.97 -60.00

946.47 -42.00

946.63 -34.00

947.27 -1.50

947.28 24.00

1109+00'TSB

20 FT

20 FT

9

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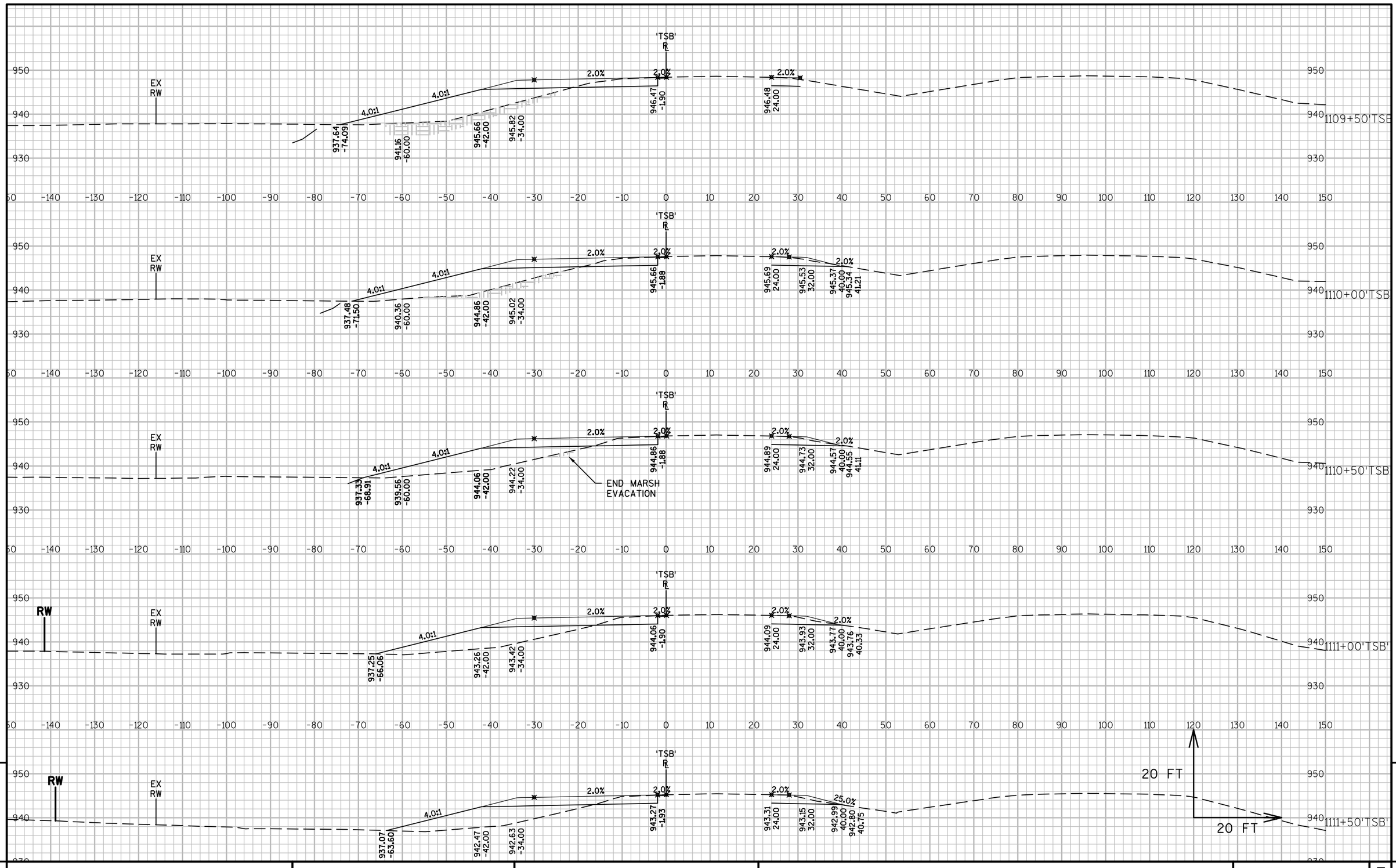
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 421	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090253_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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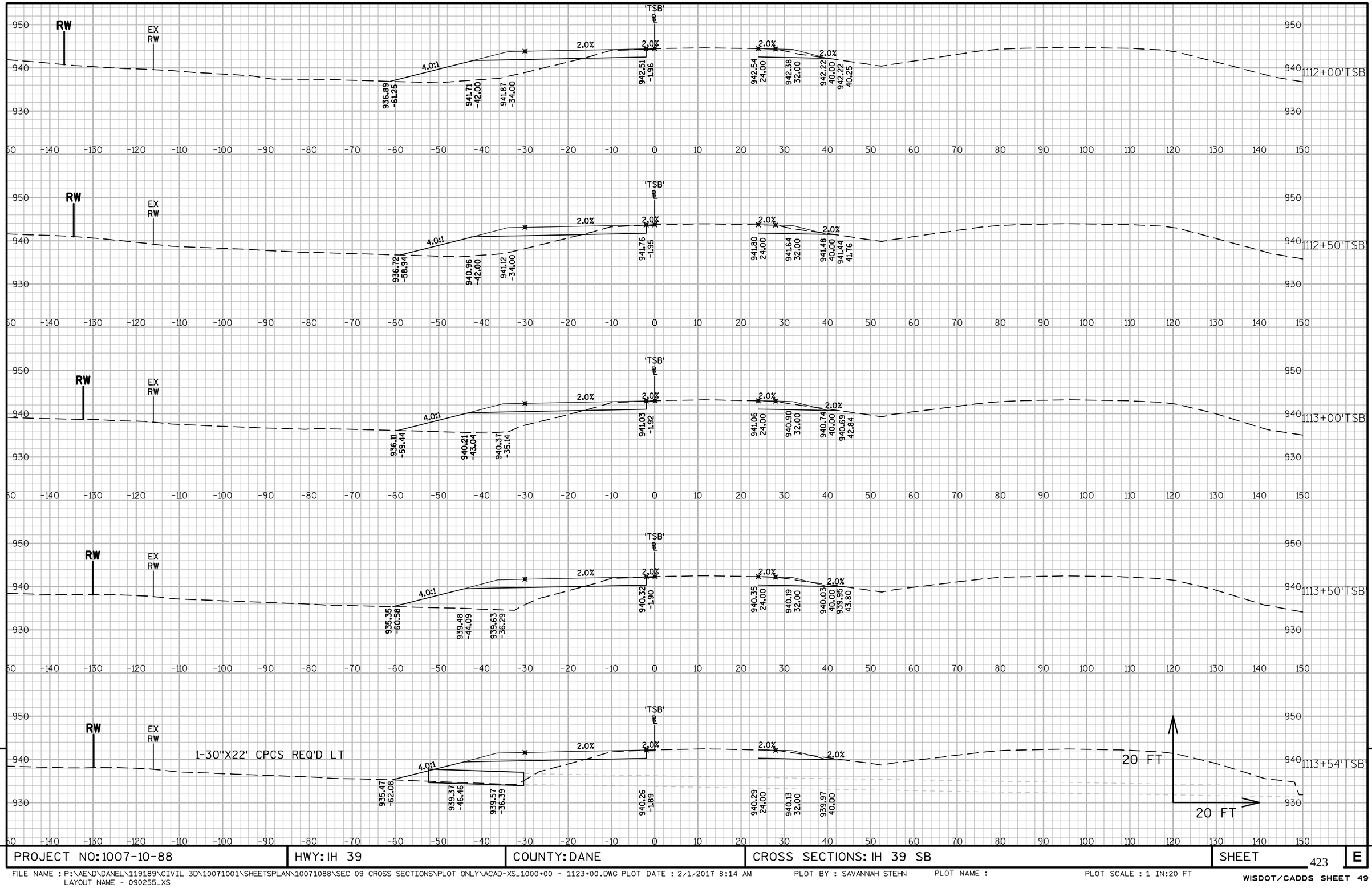
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 422	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090254_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

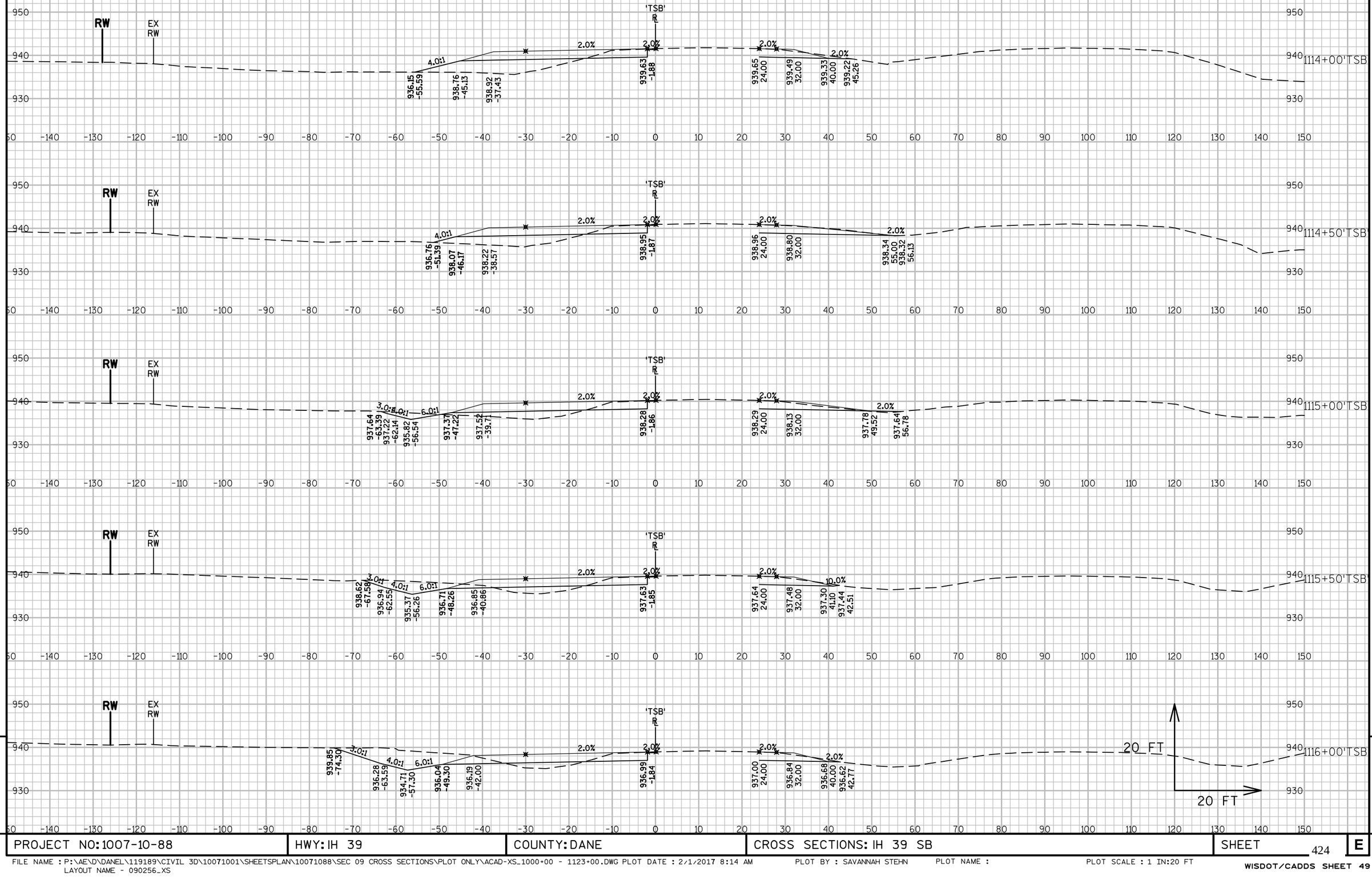


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 423	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090255_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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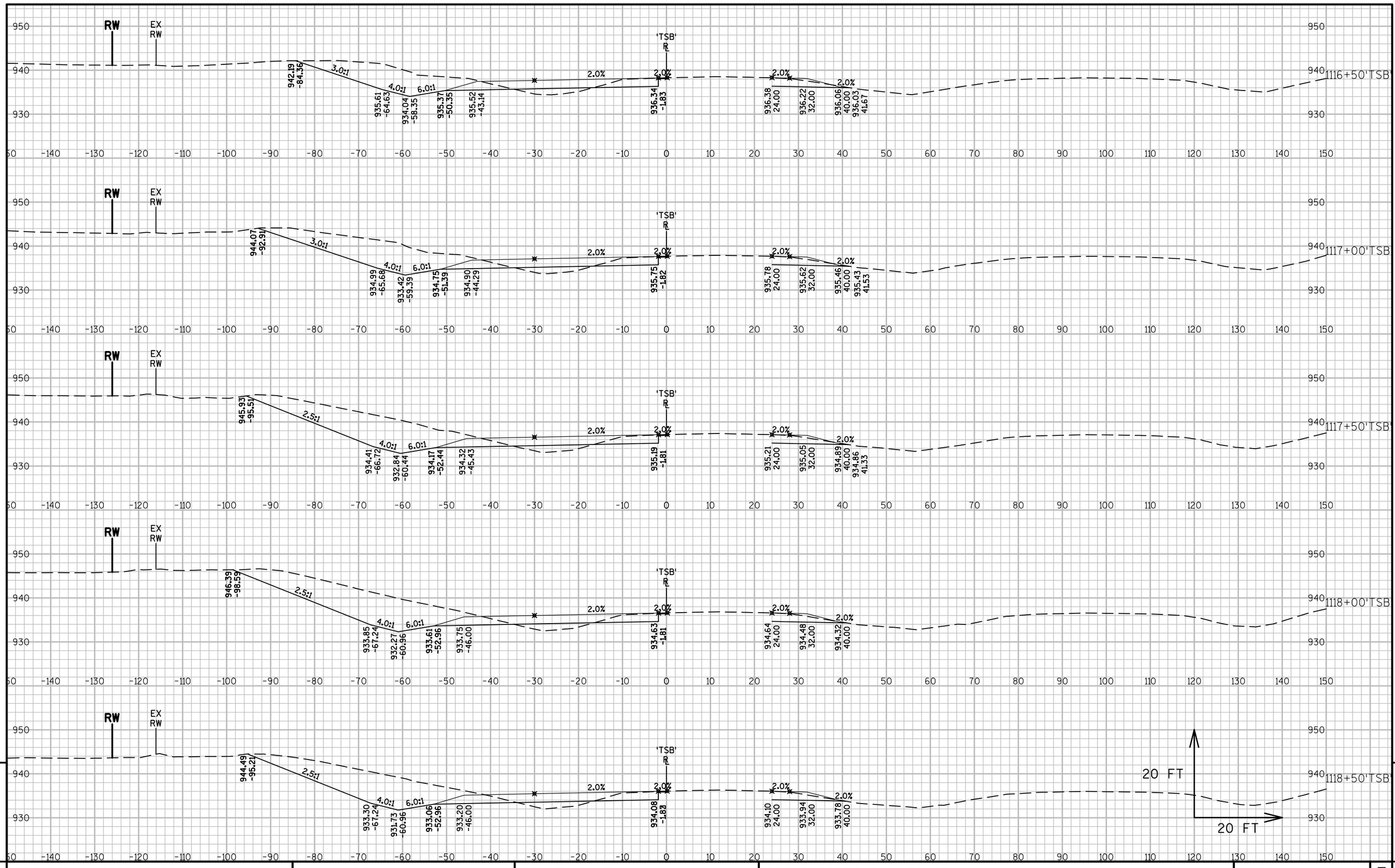
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 424	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090256_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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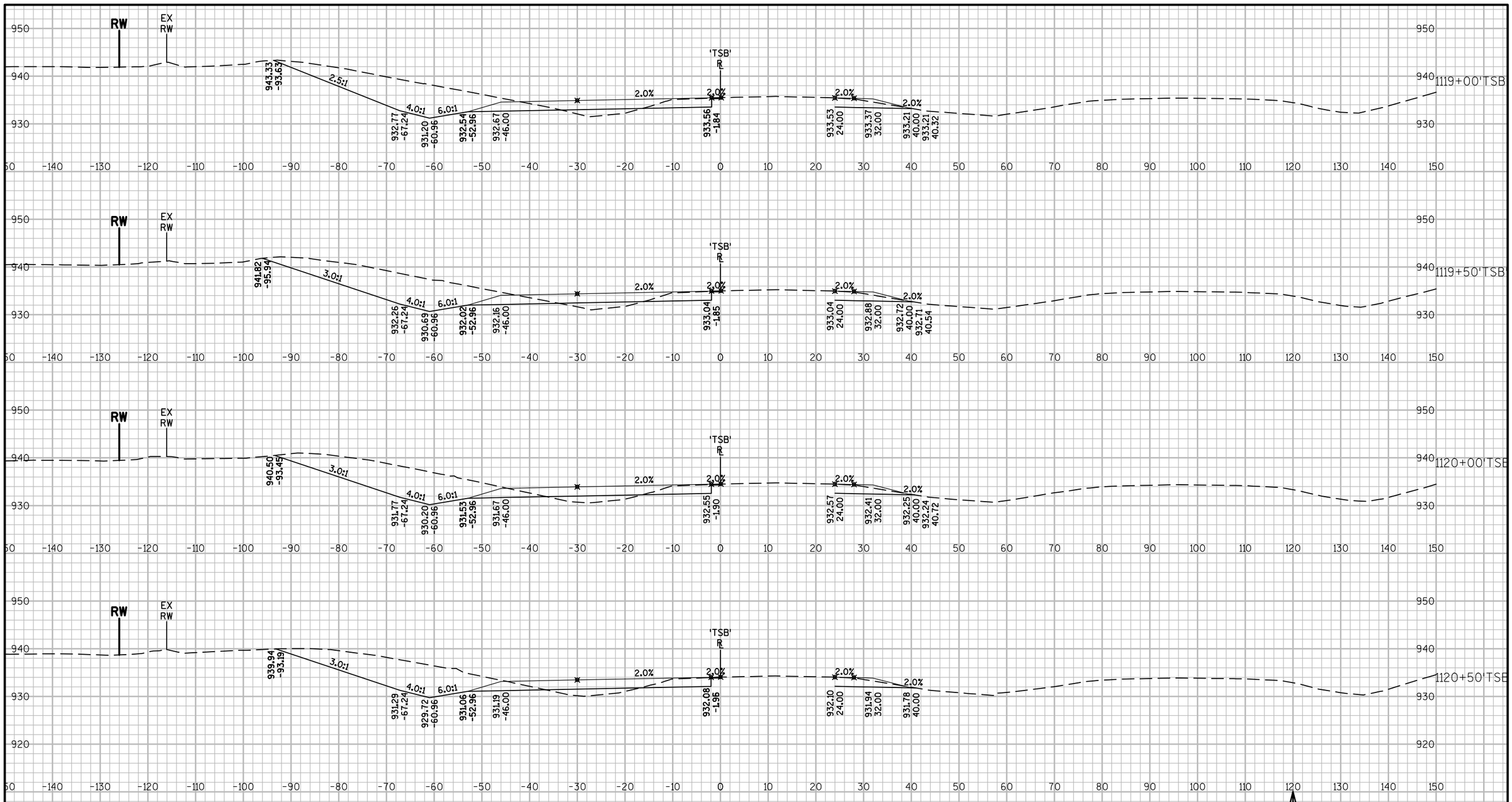
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 425	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090257_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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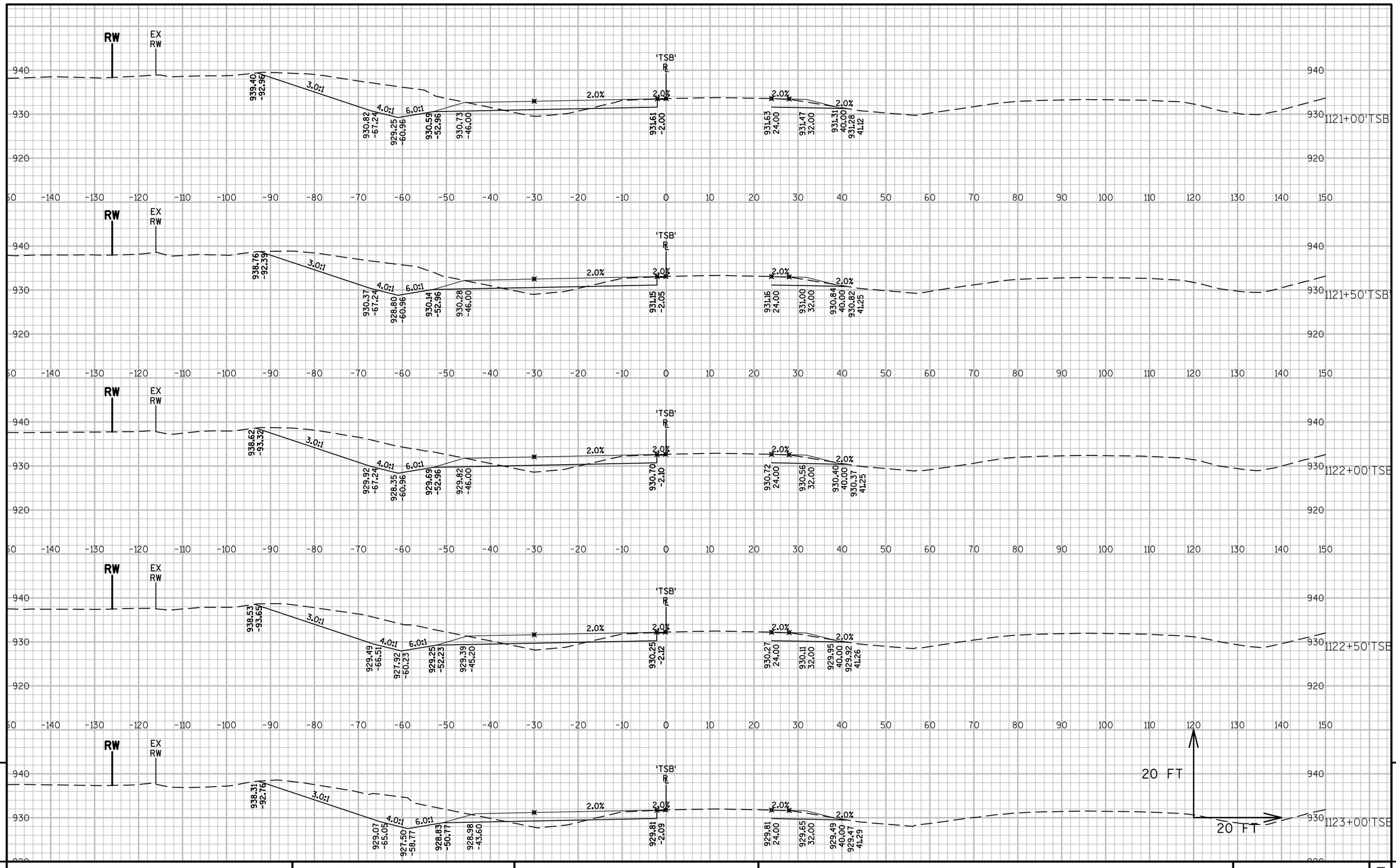
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 426	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090258_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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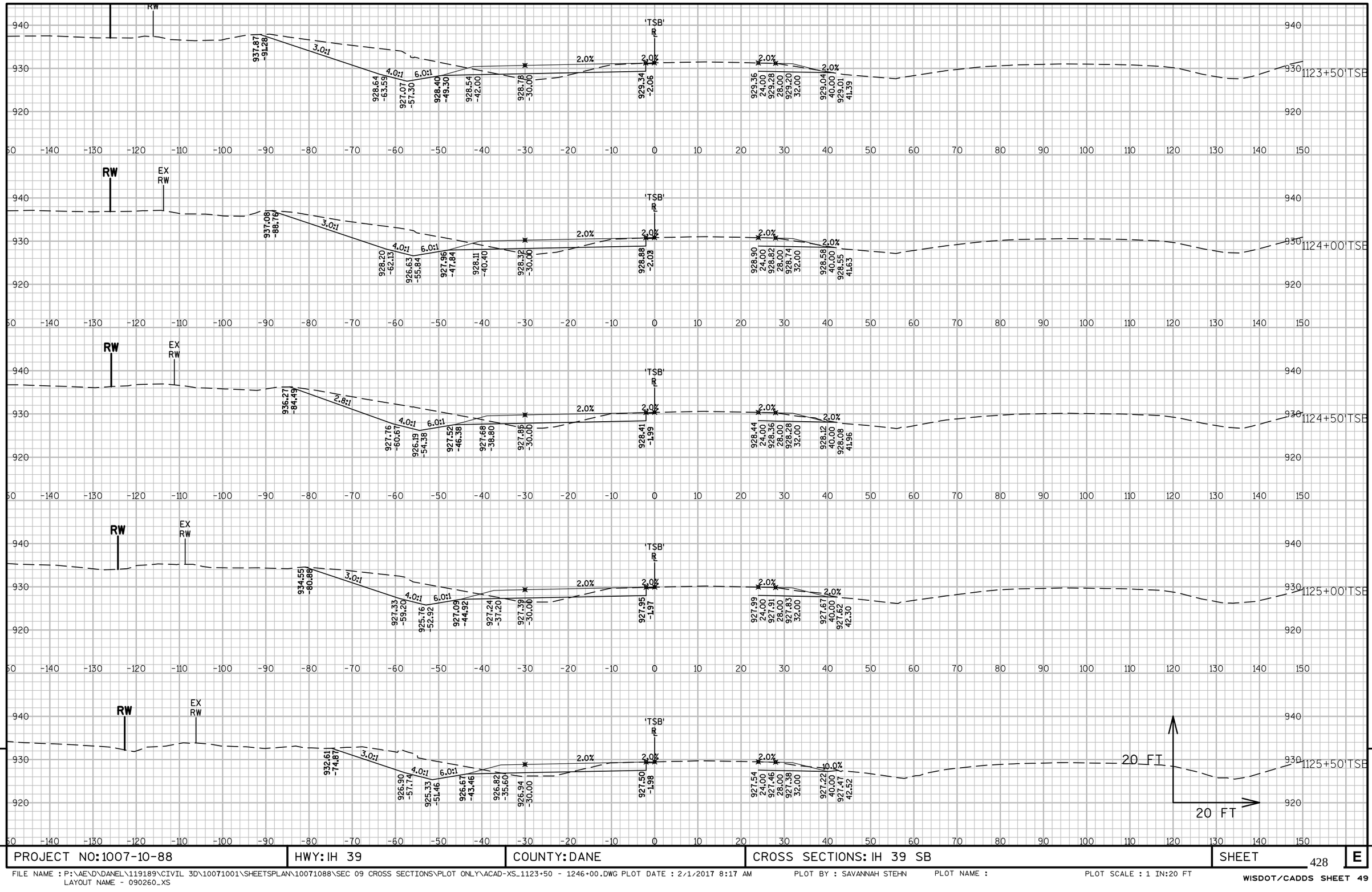
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 427	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1000+00 - 1123+00.DWG PLOT DATE : 2/1/2017 8:14 AM
LAYOUT NAME - 090259_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT



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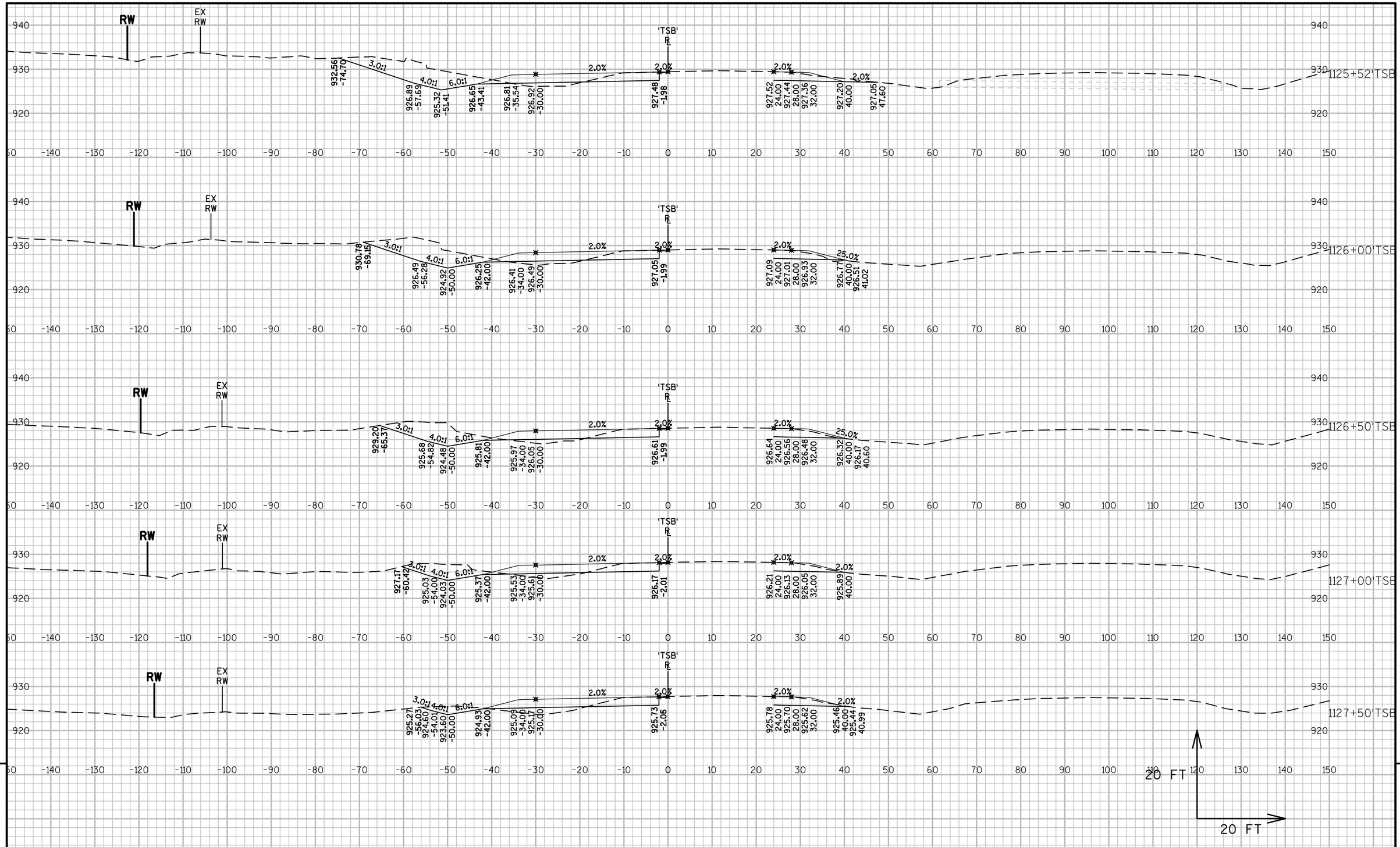
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 428	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:17 AM
LAYOUT NAME - 090260_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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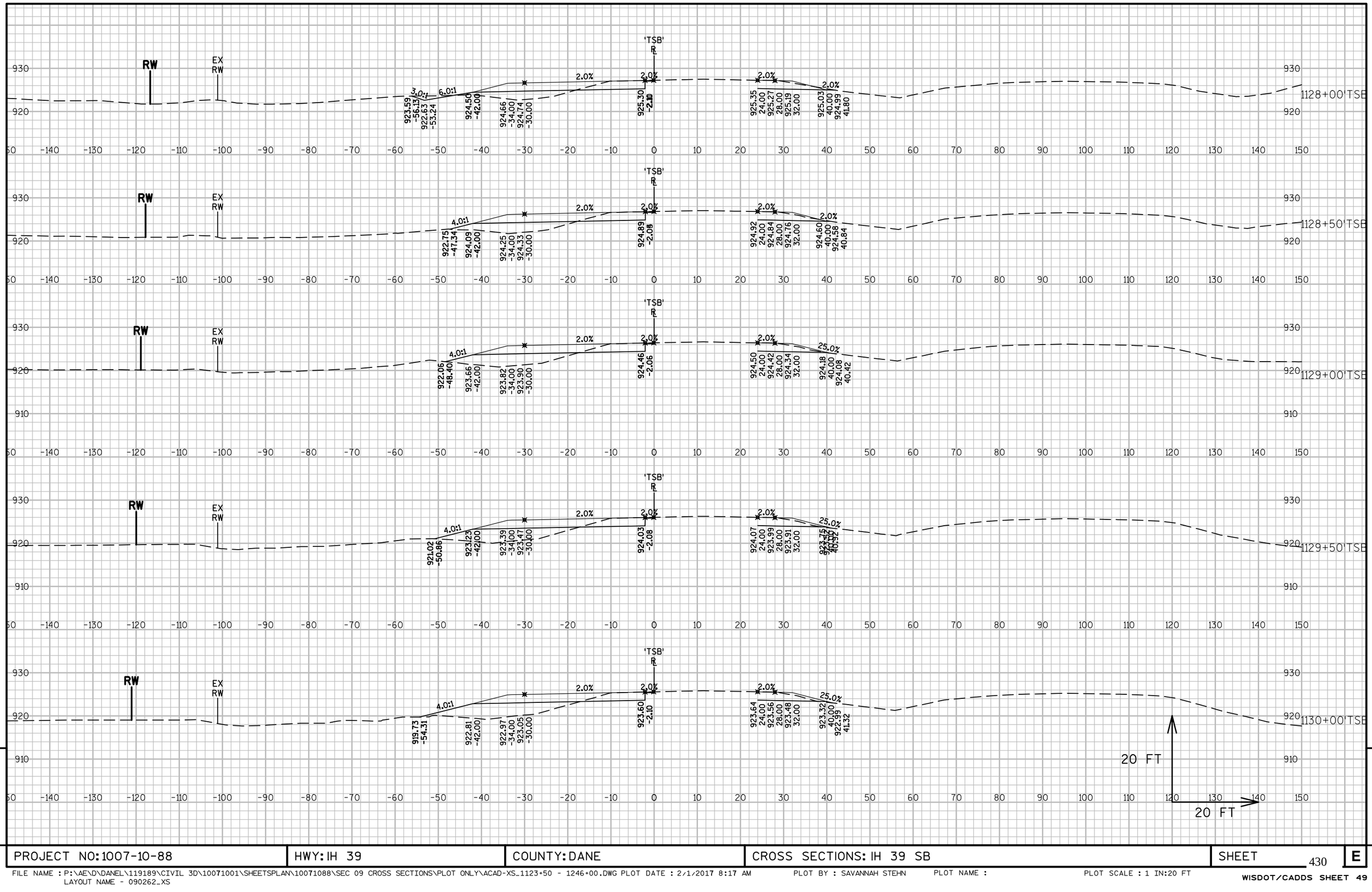
PROJECT NO:1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 429	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:17 AM
LAYOUT NAME - 090261_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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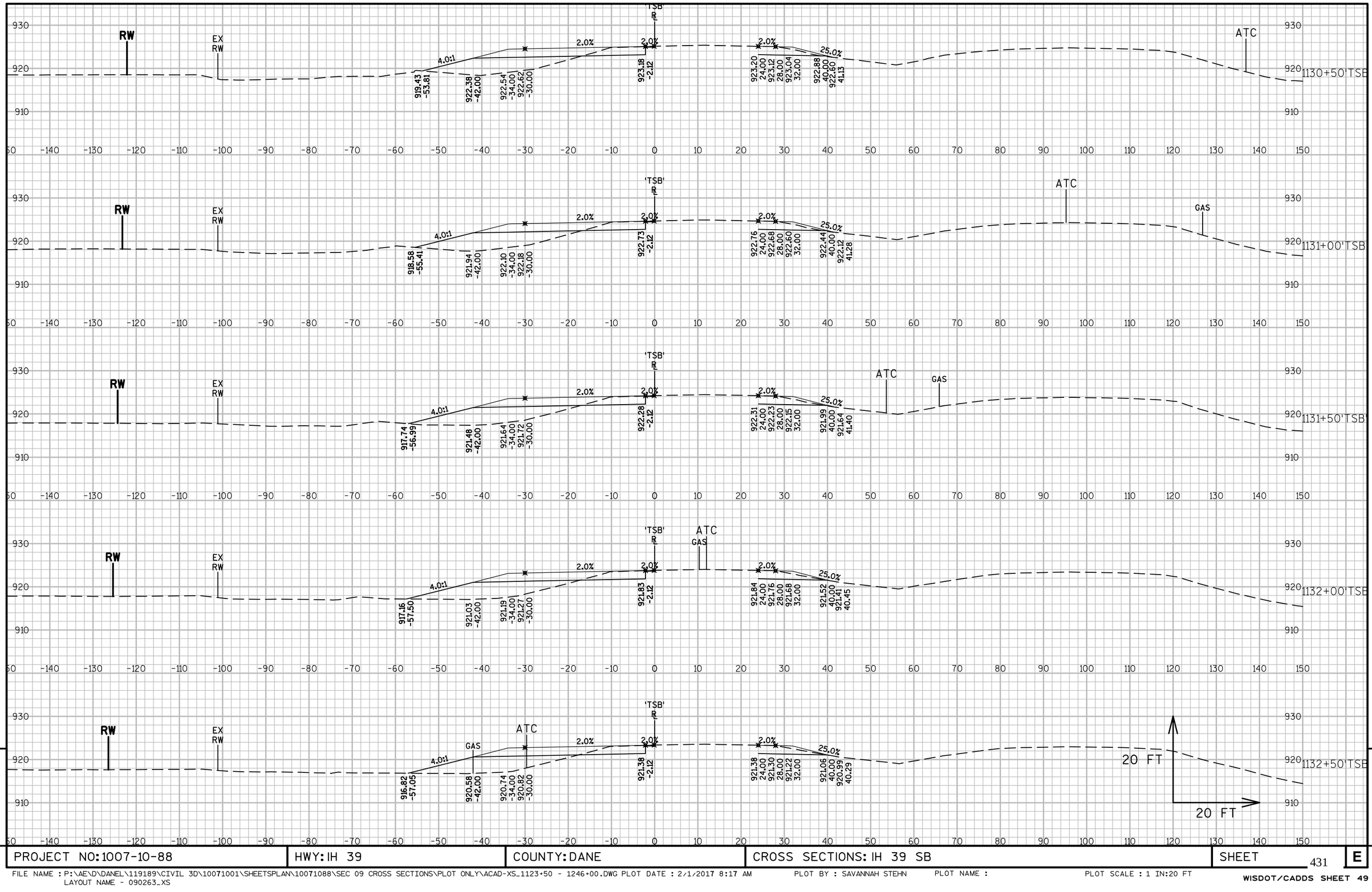
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 430	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:17 AM
LAYOUT NAME - 090262_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

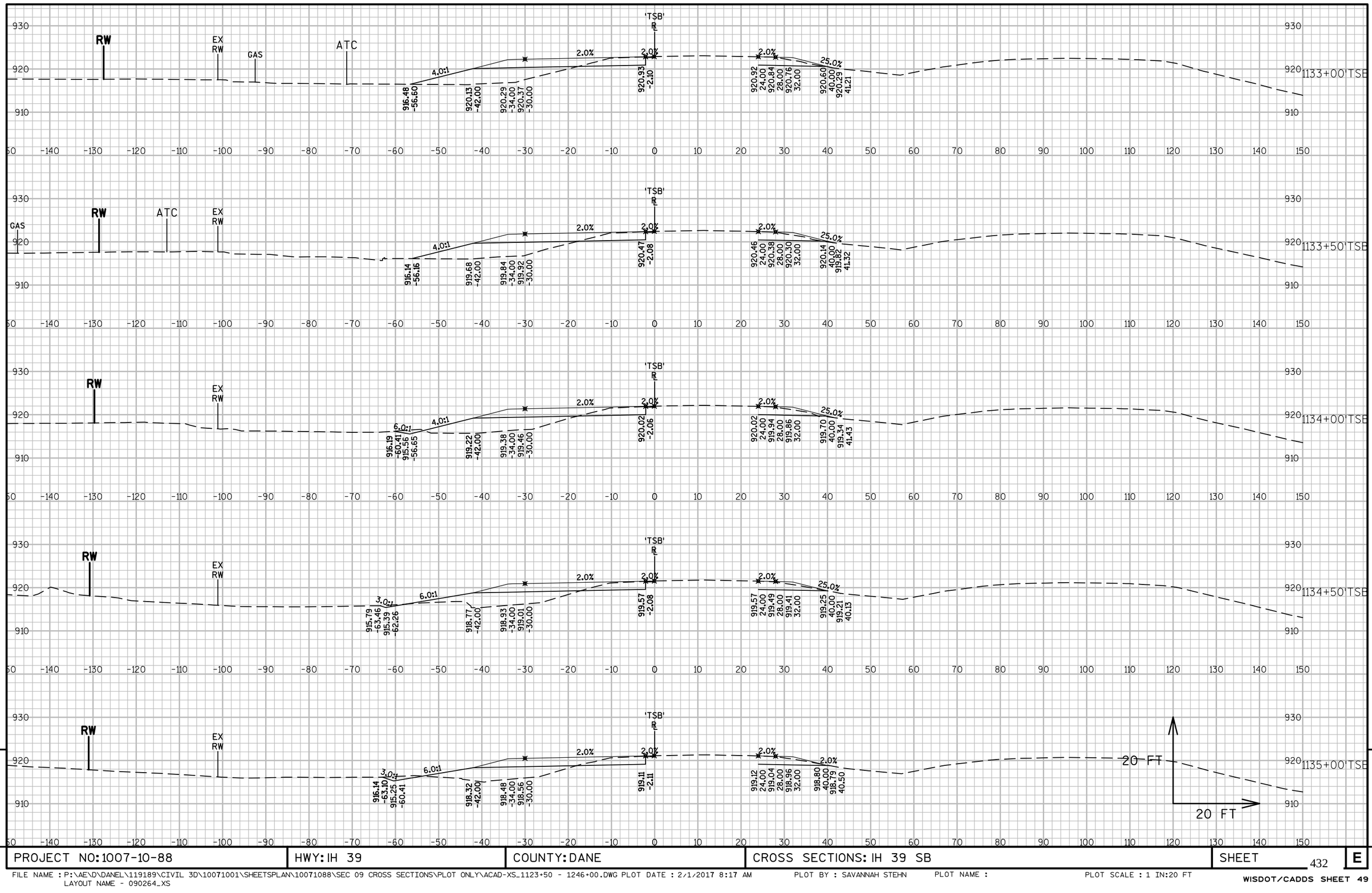


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 431	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:17 AM
LAYOUT NAME - 090263_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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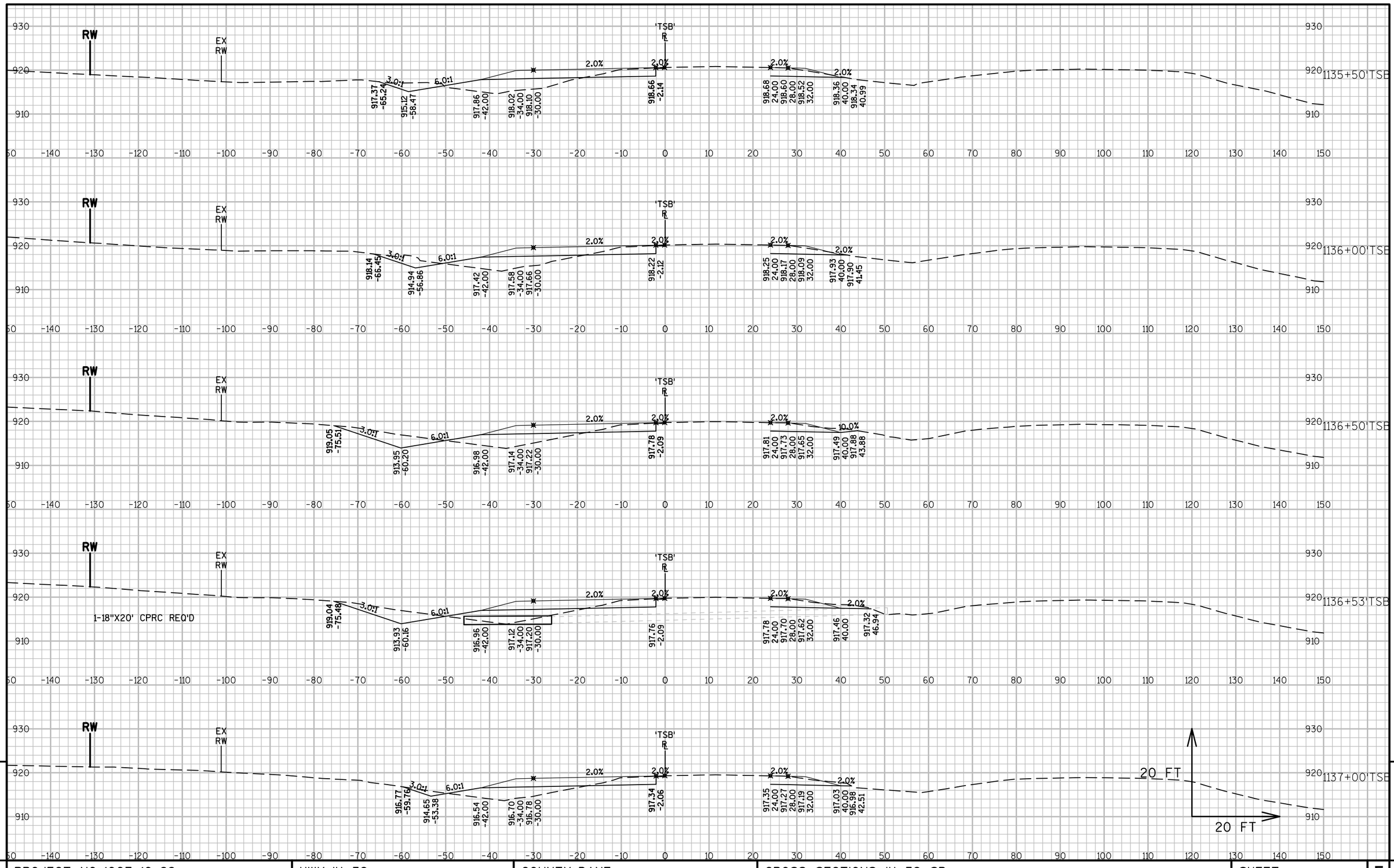
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 432	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:17 AM
LAYOUT NAME - 090264_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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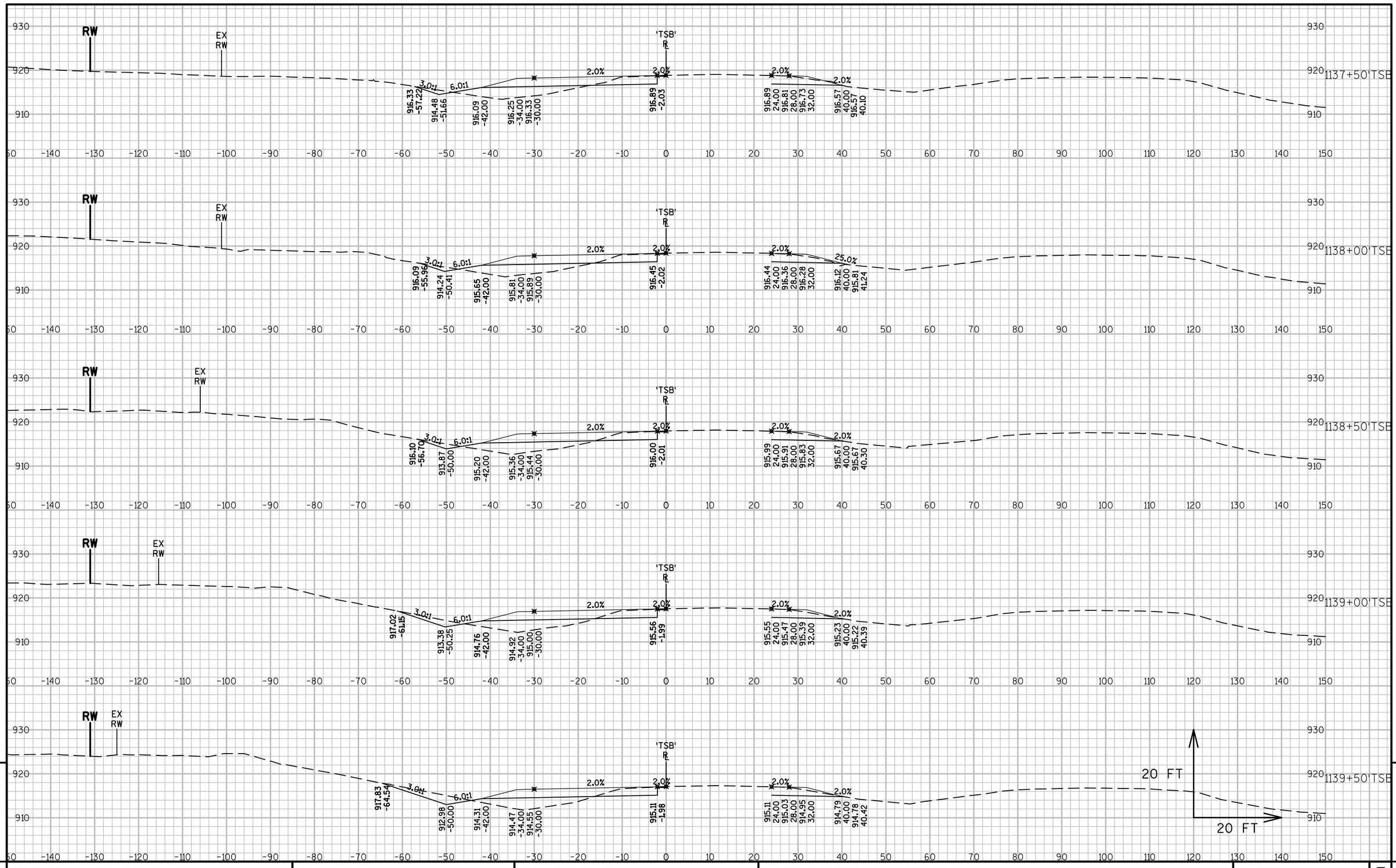
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 433	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:17 AM
LAYOUT NAME - 090265_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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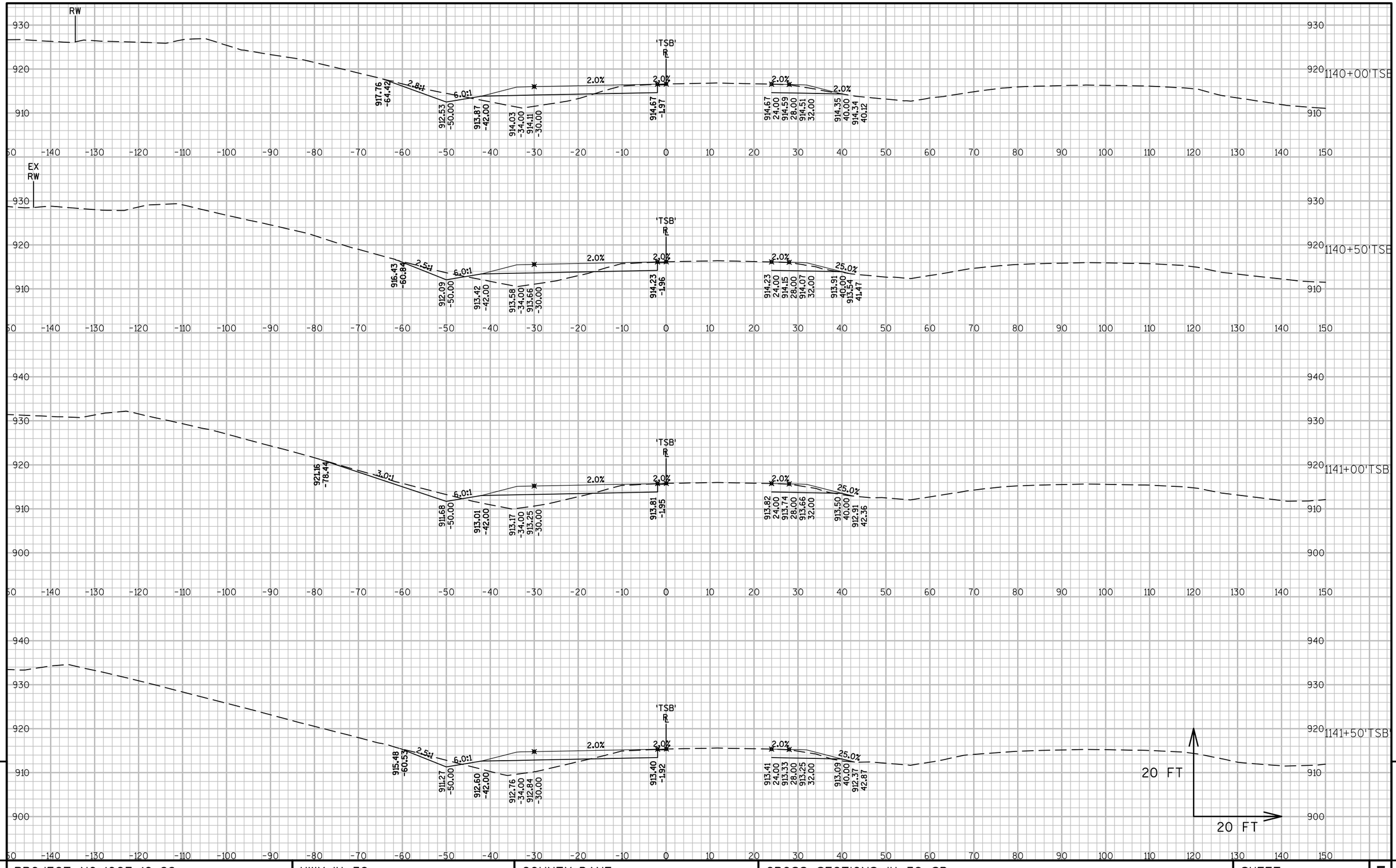
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 434	E

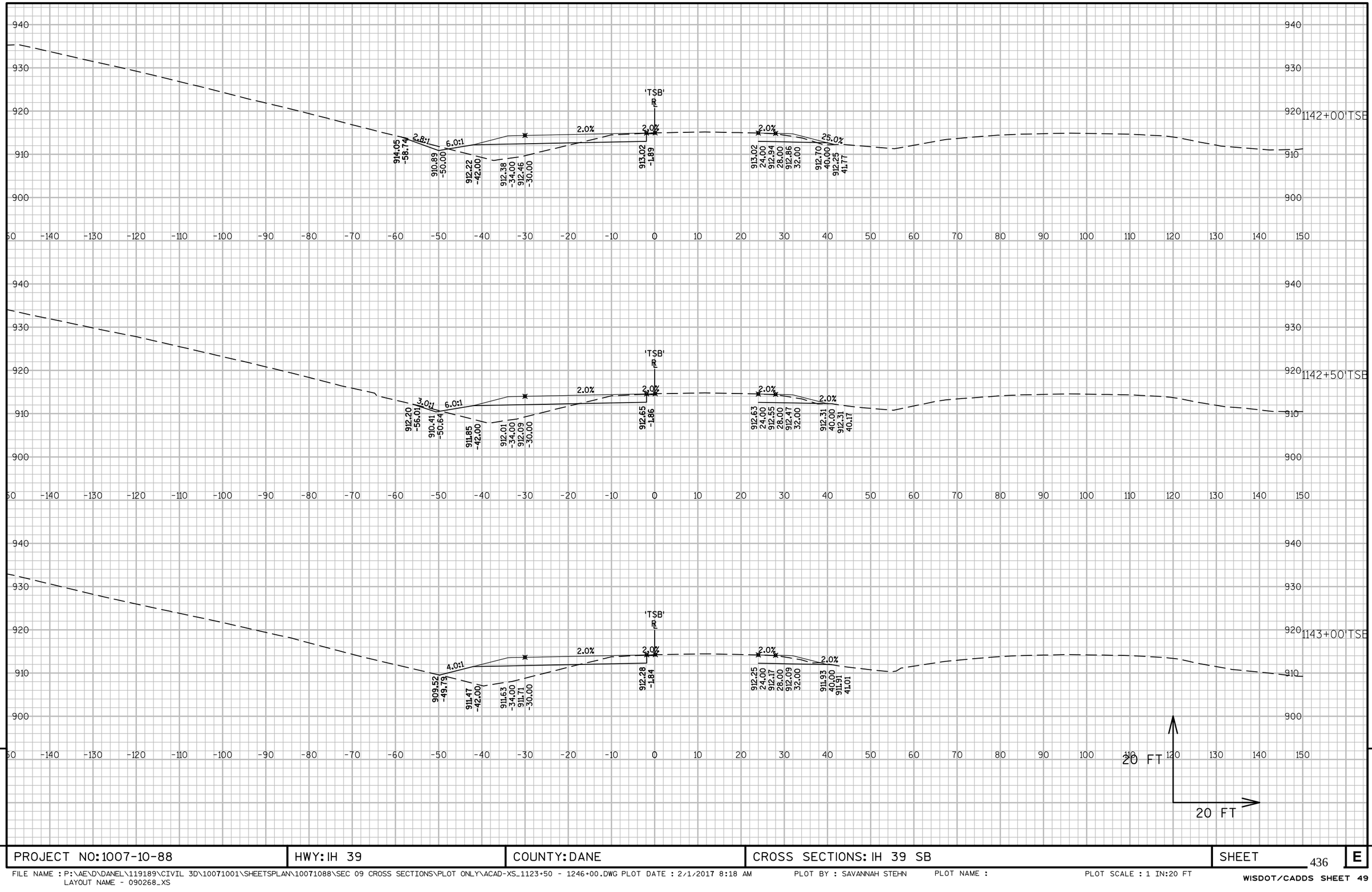
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:17 AM
LAYOUT NAME - 090266_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 435	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090267_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT



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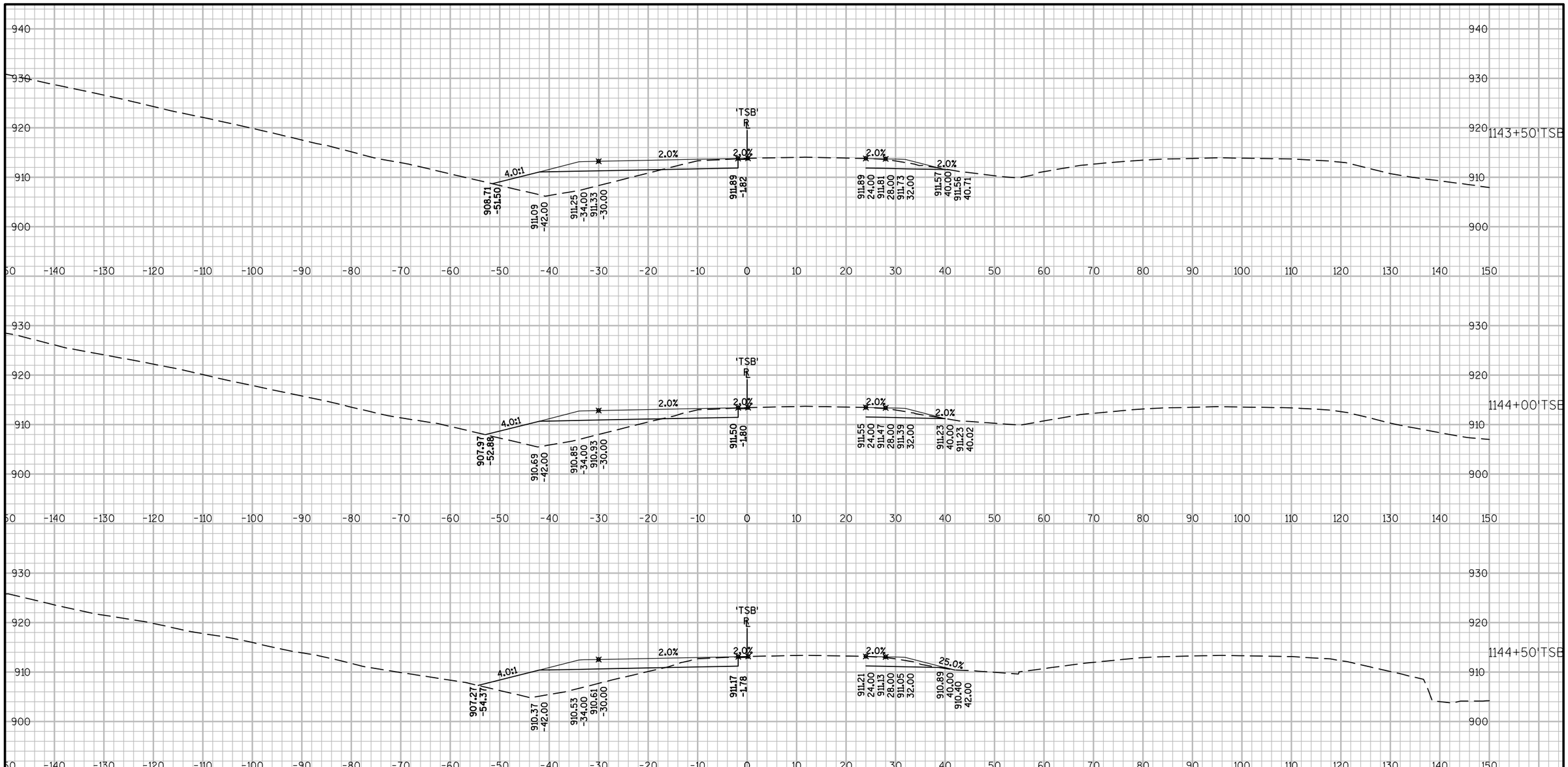
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 436	E

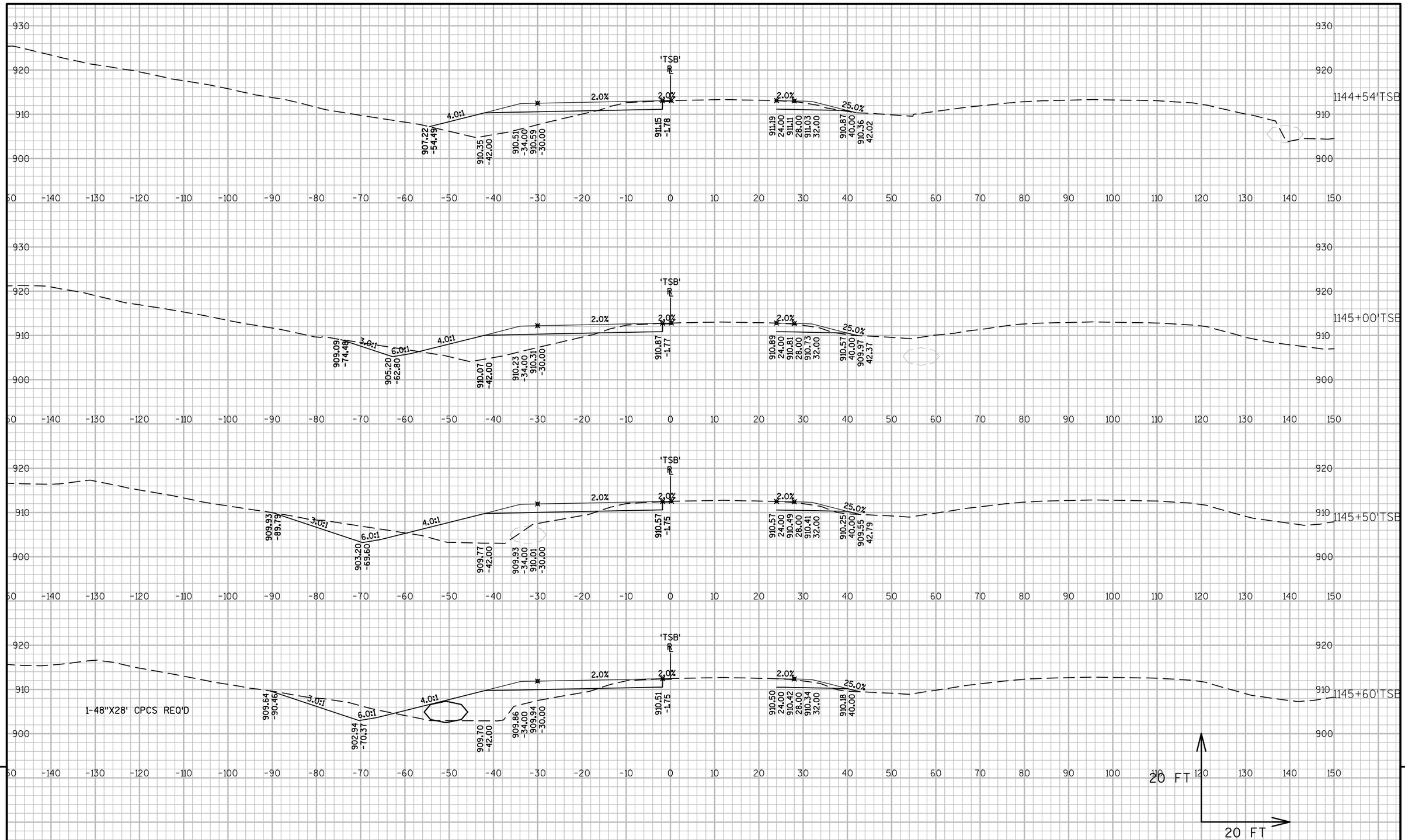
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090268_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 437	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090269_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

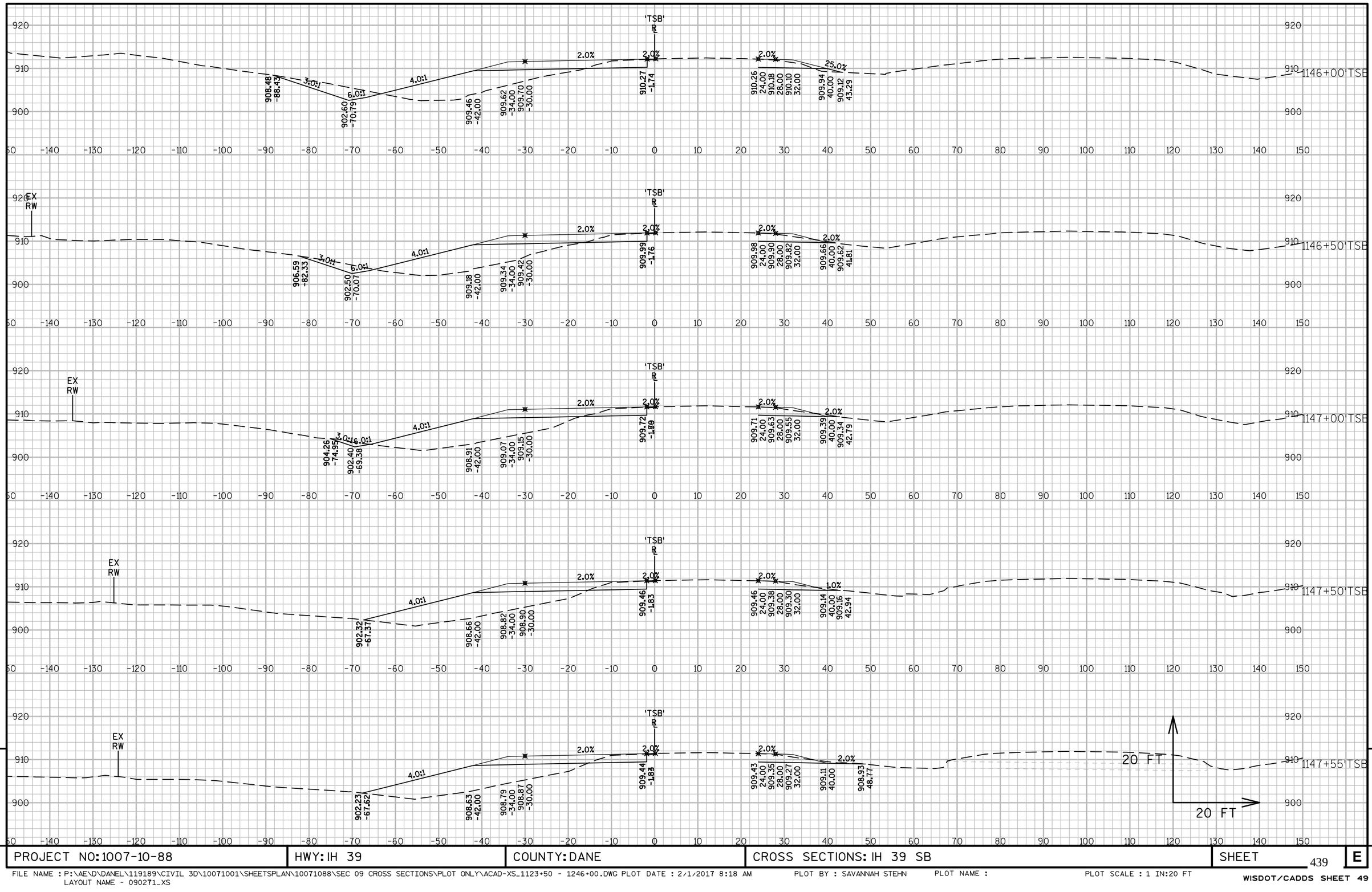


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 438	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090270_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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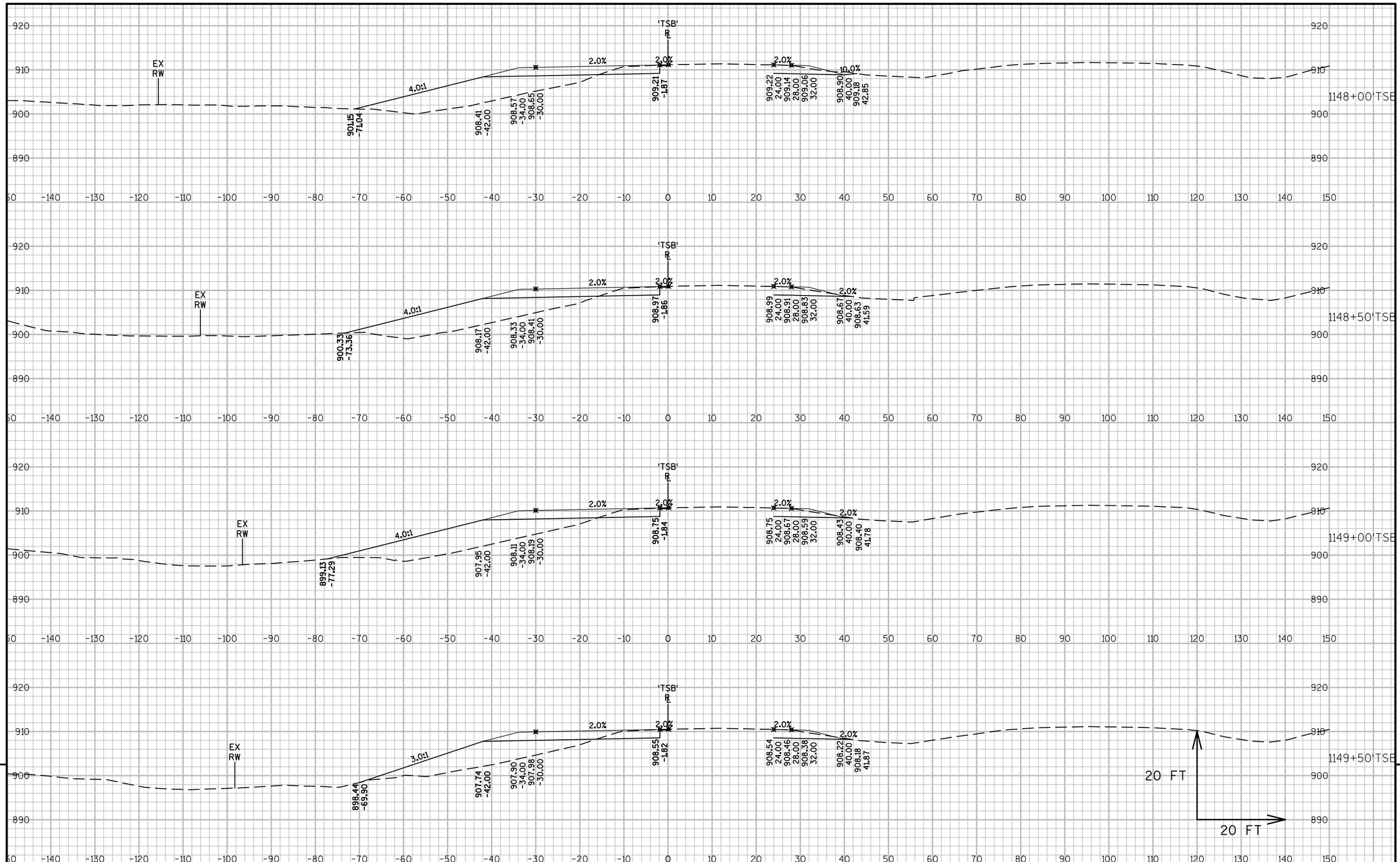
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 439	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090271_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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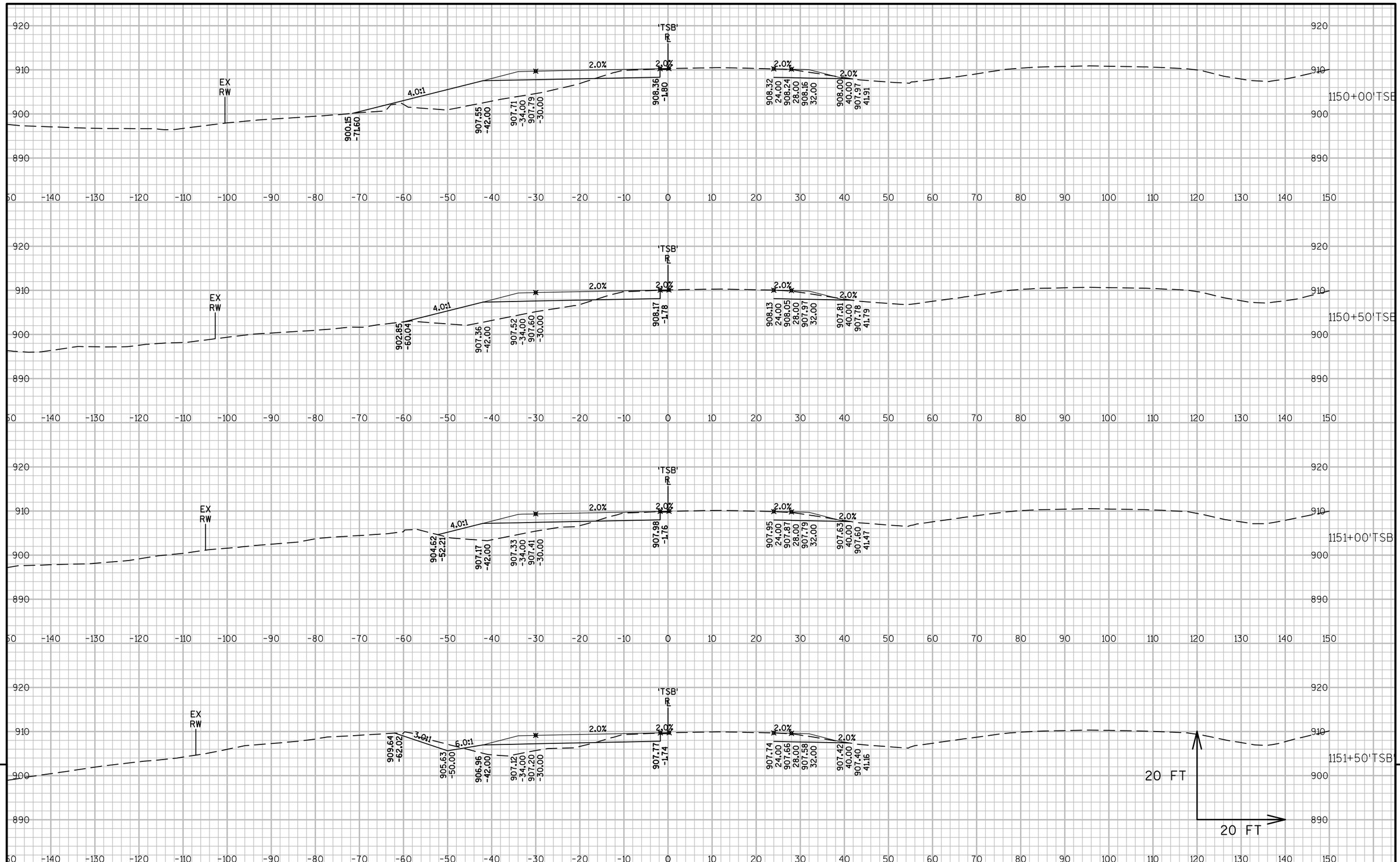
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 440	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090272_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

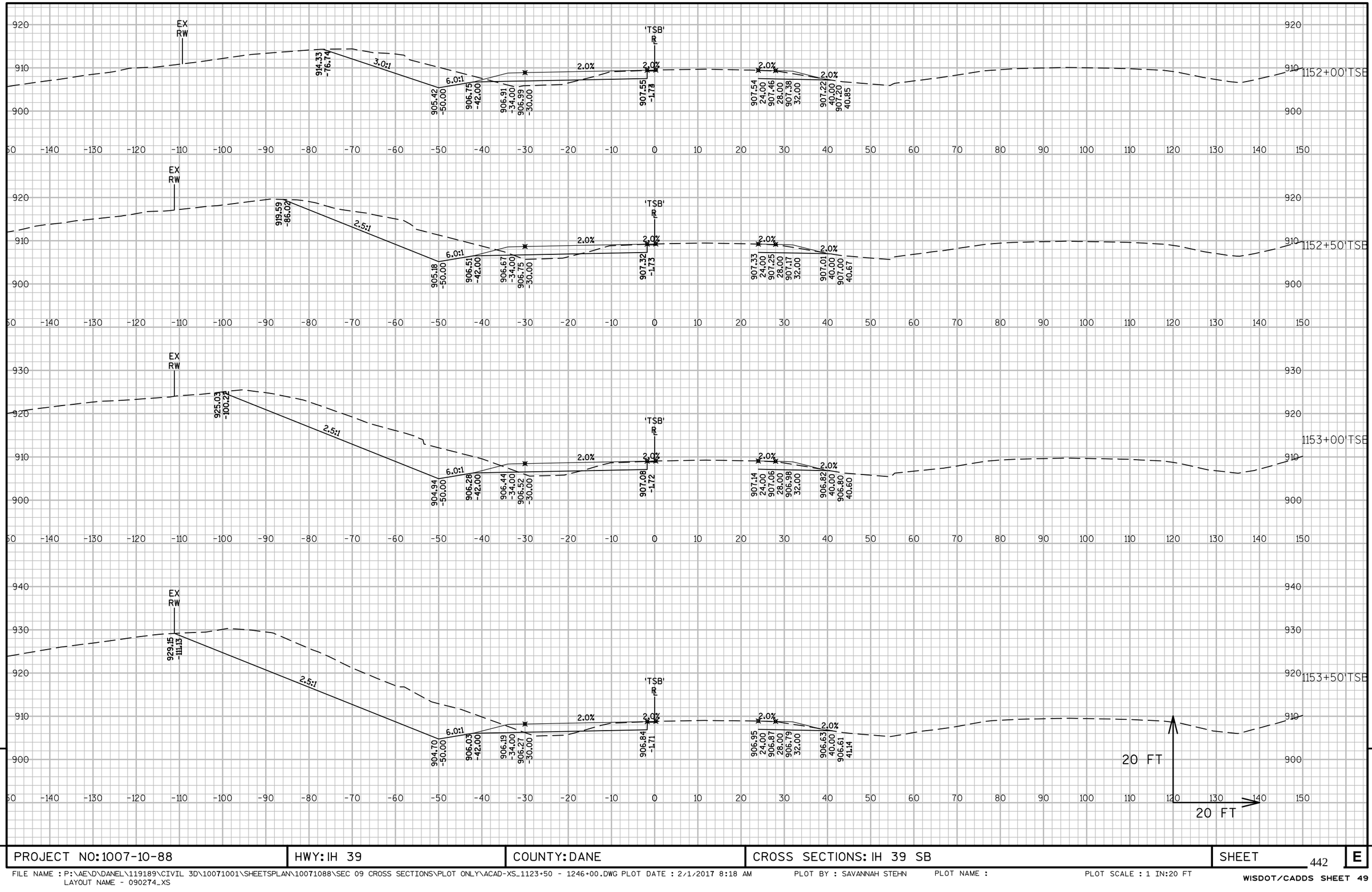


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 441 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090273_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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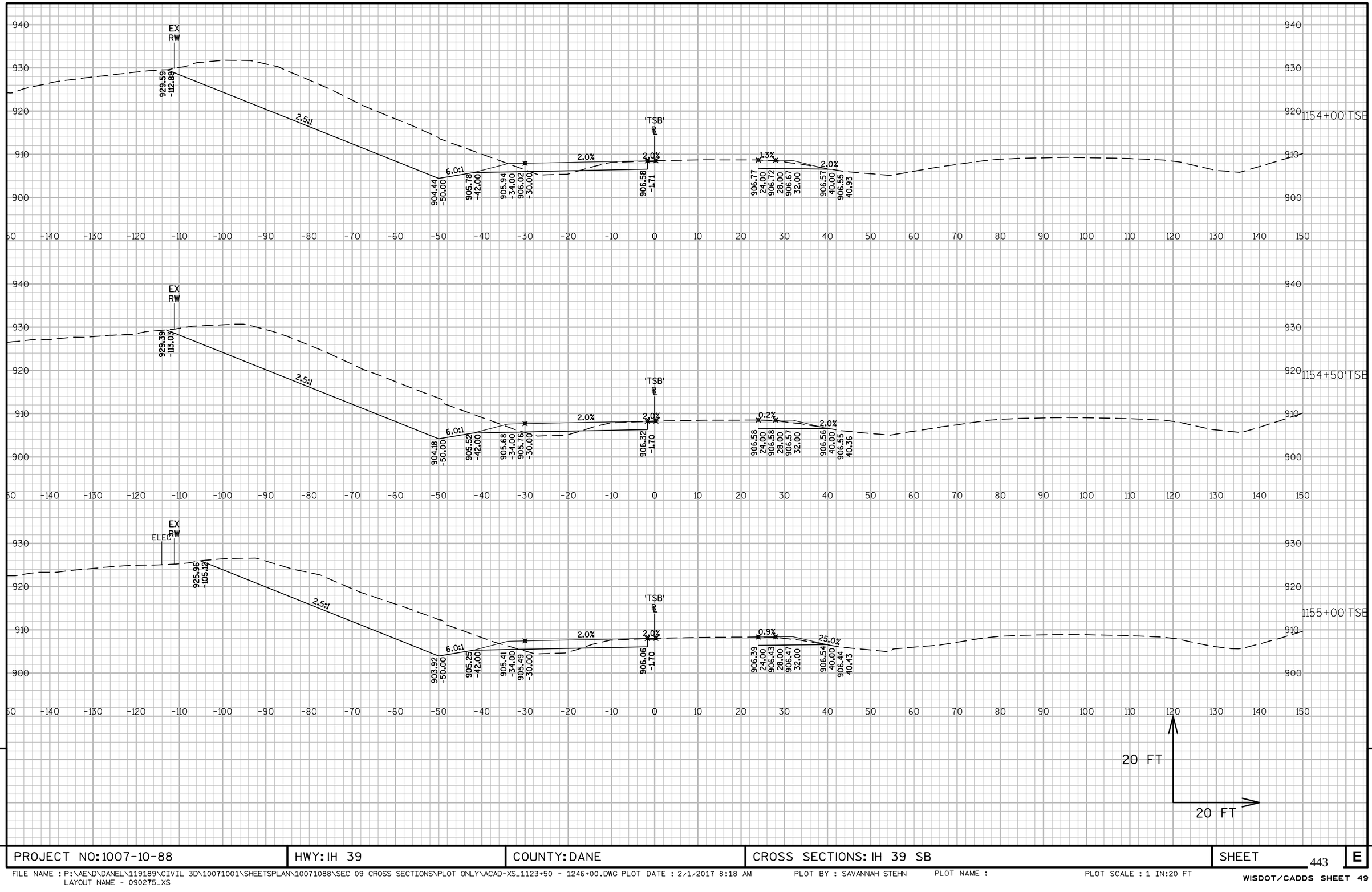
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 442	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090274_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT



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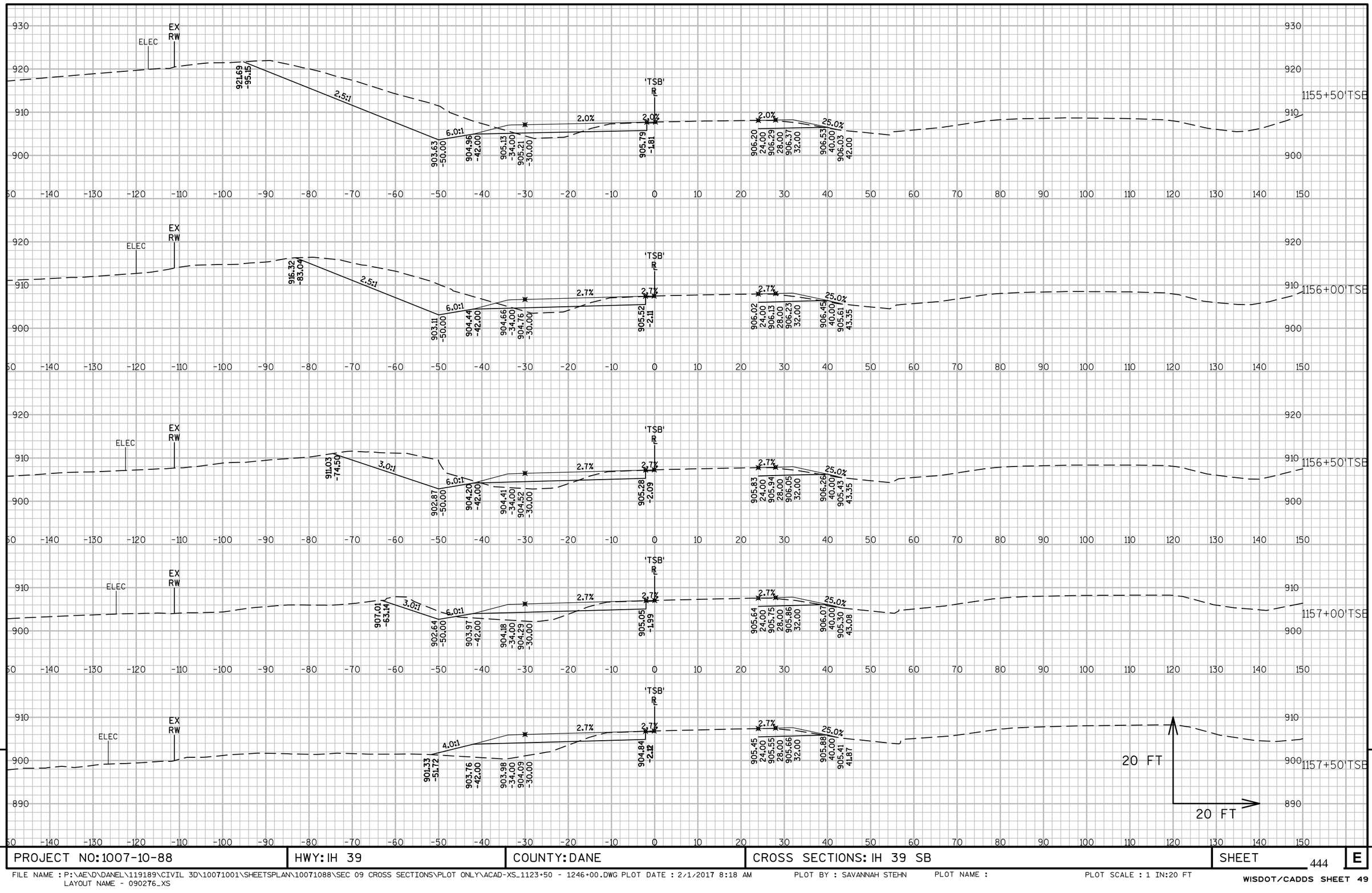
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 443	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090275_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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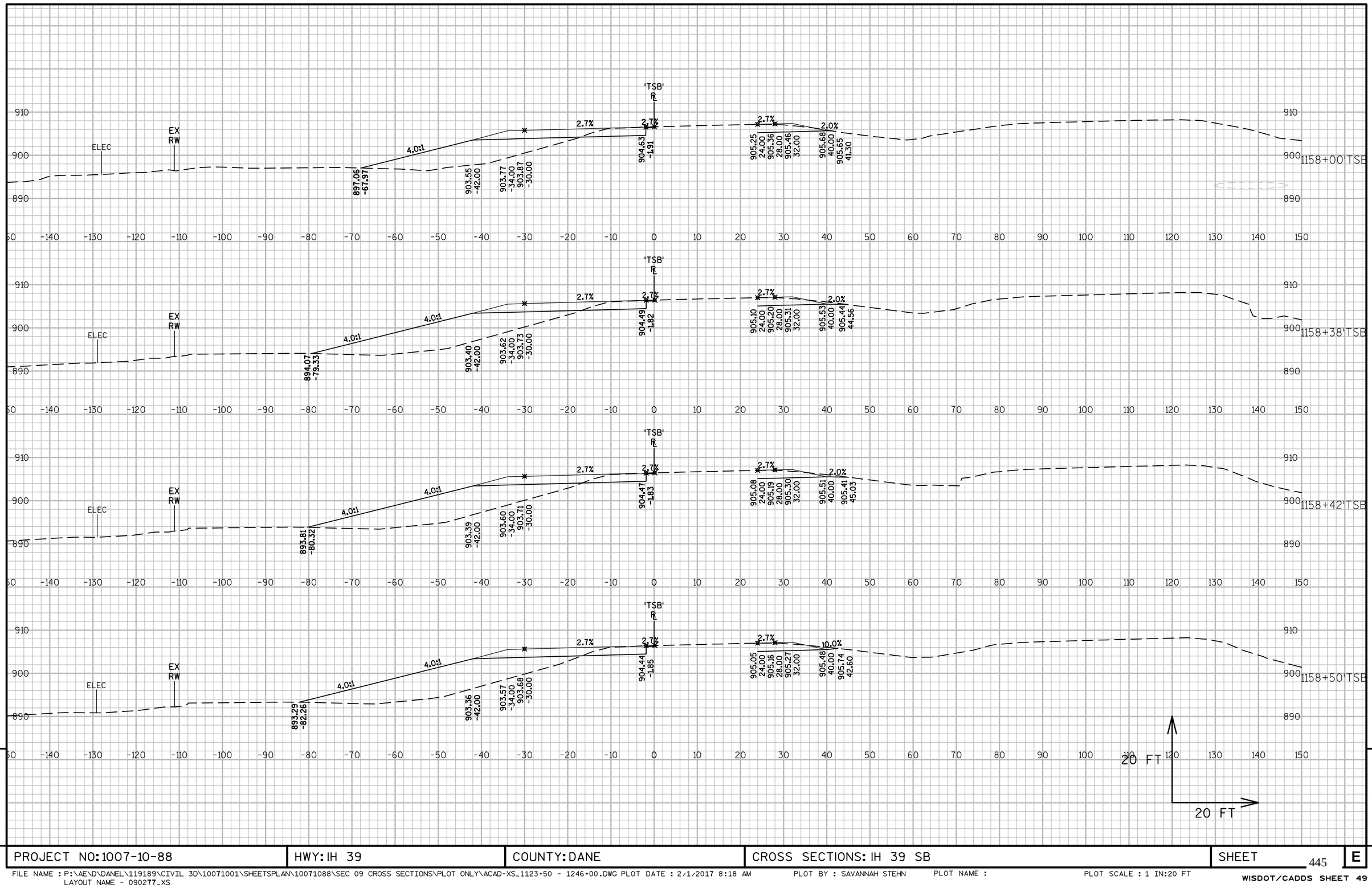
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 444	E

9

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090276_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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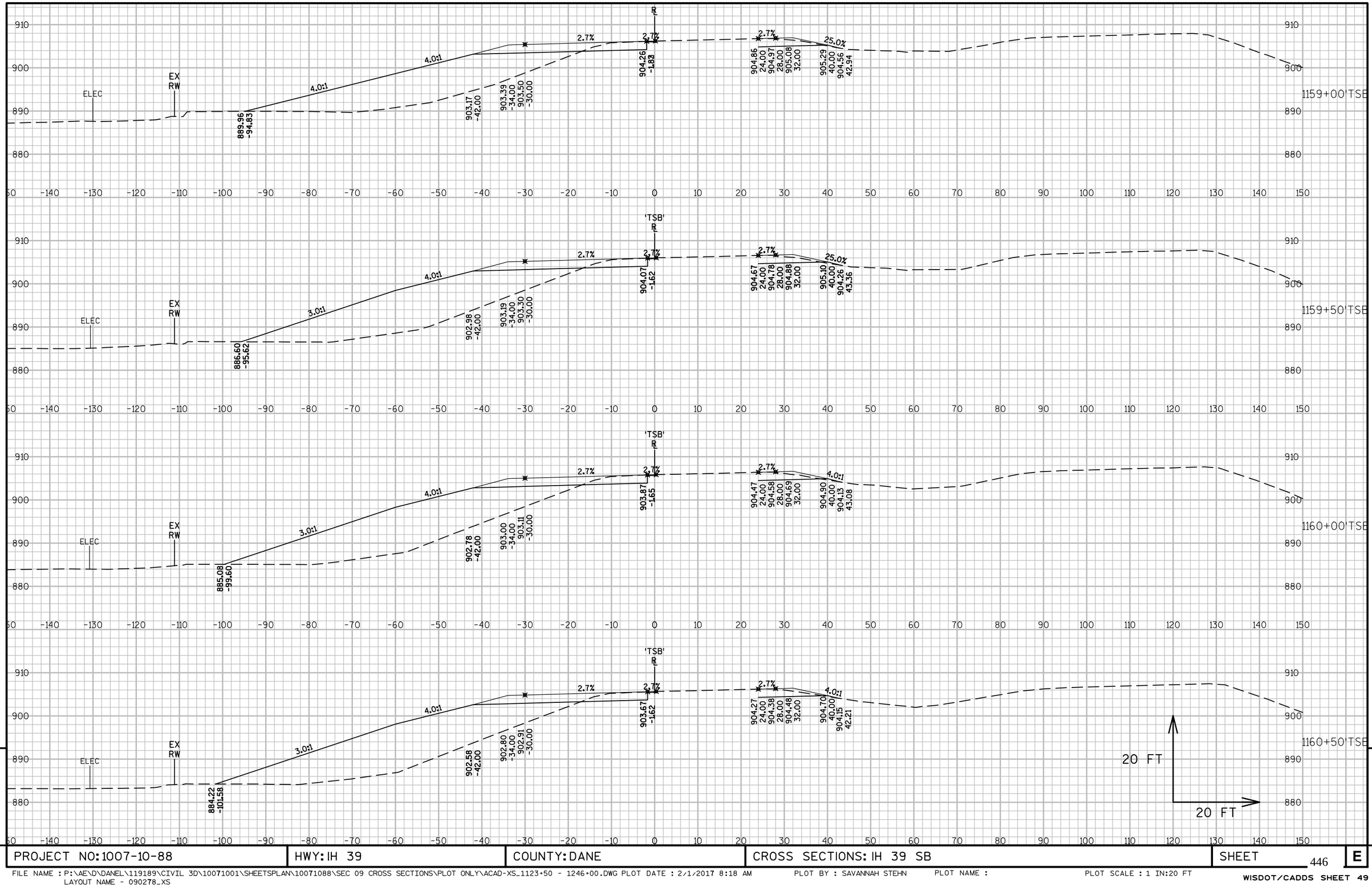
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 445	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090277_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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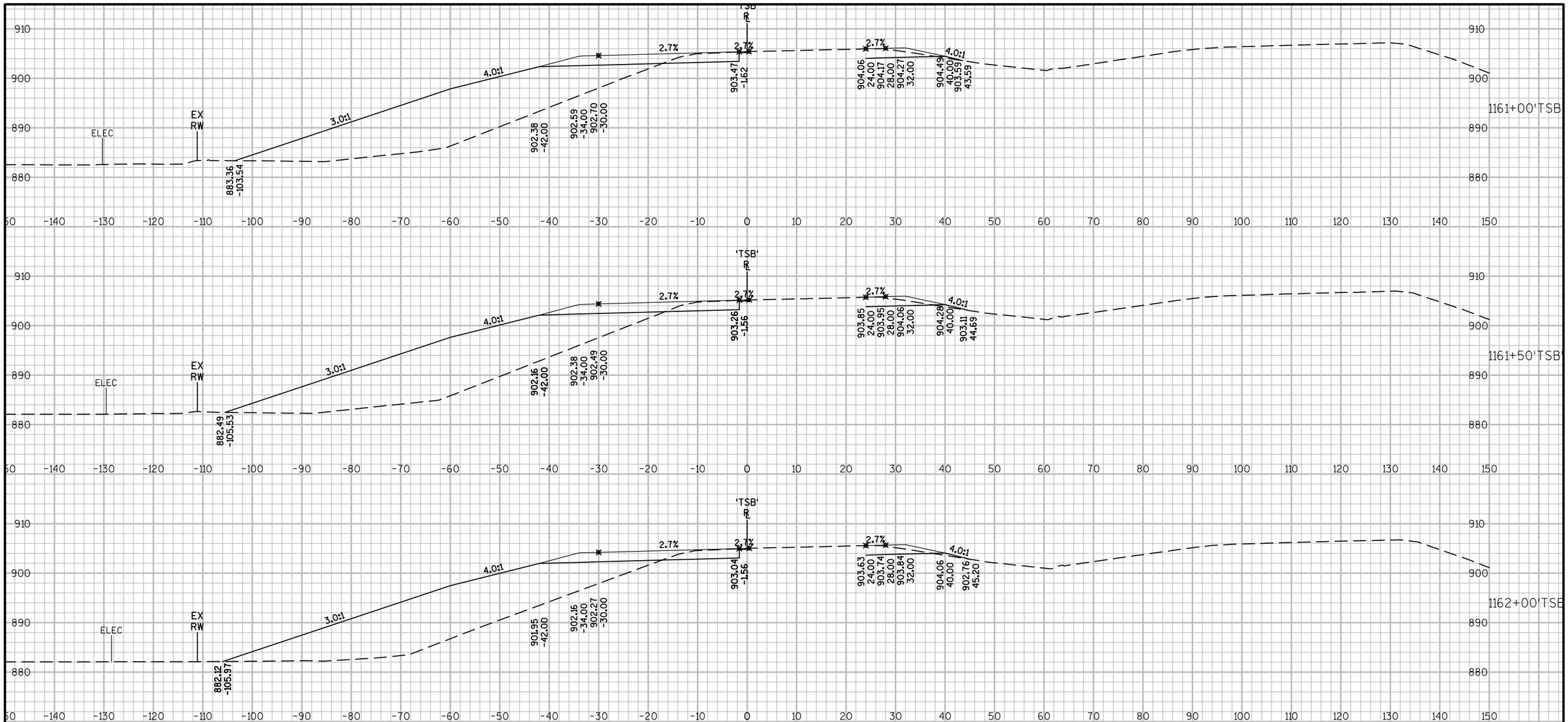
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 446	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090278_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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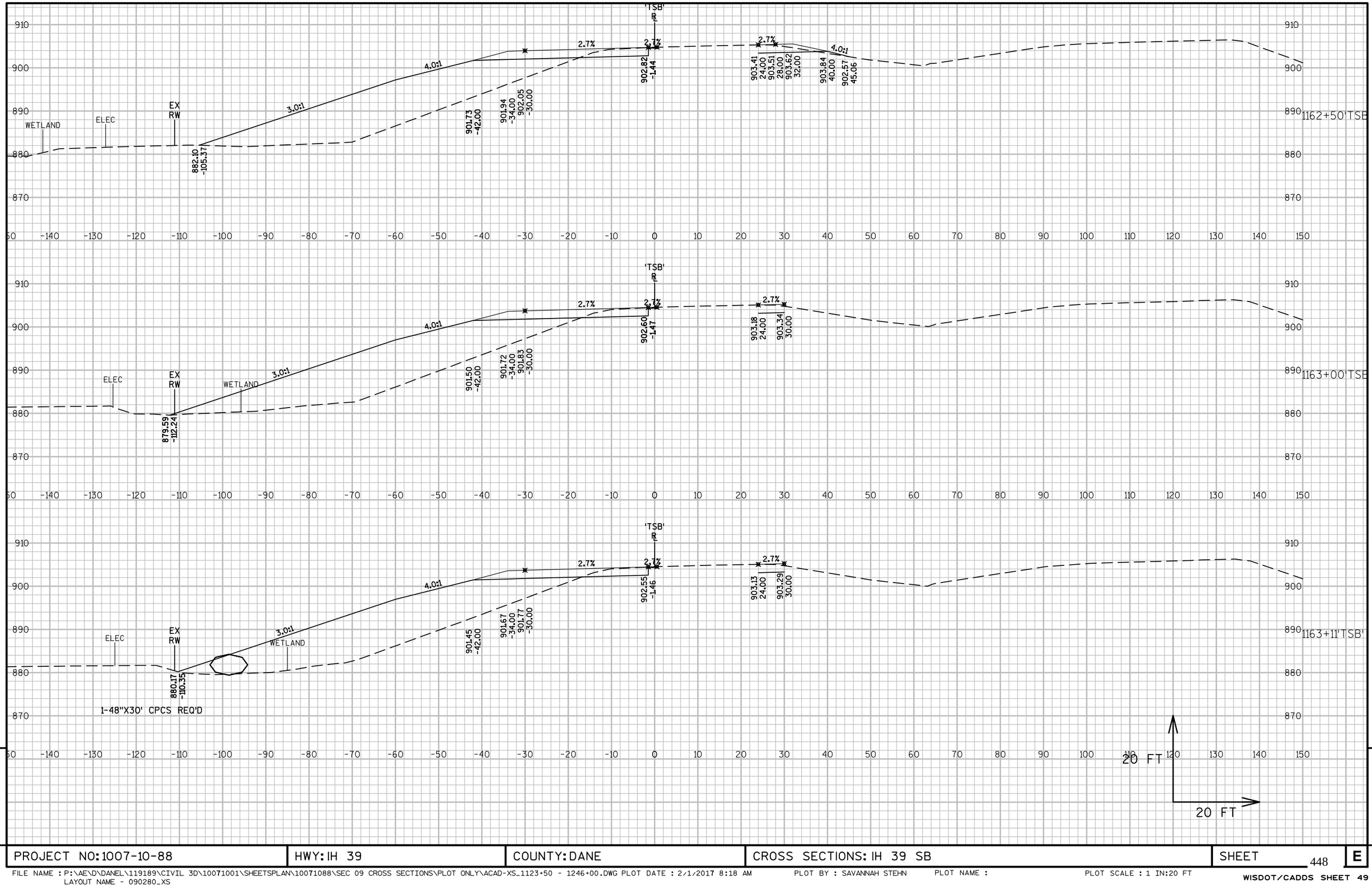
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 447	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090279_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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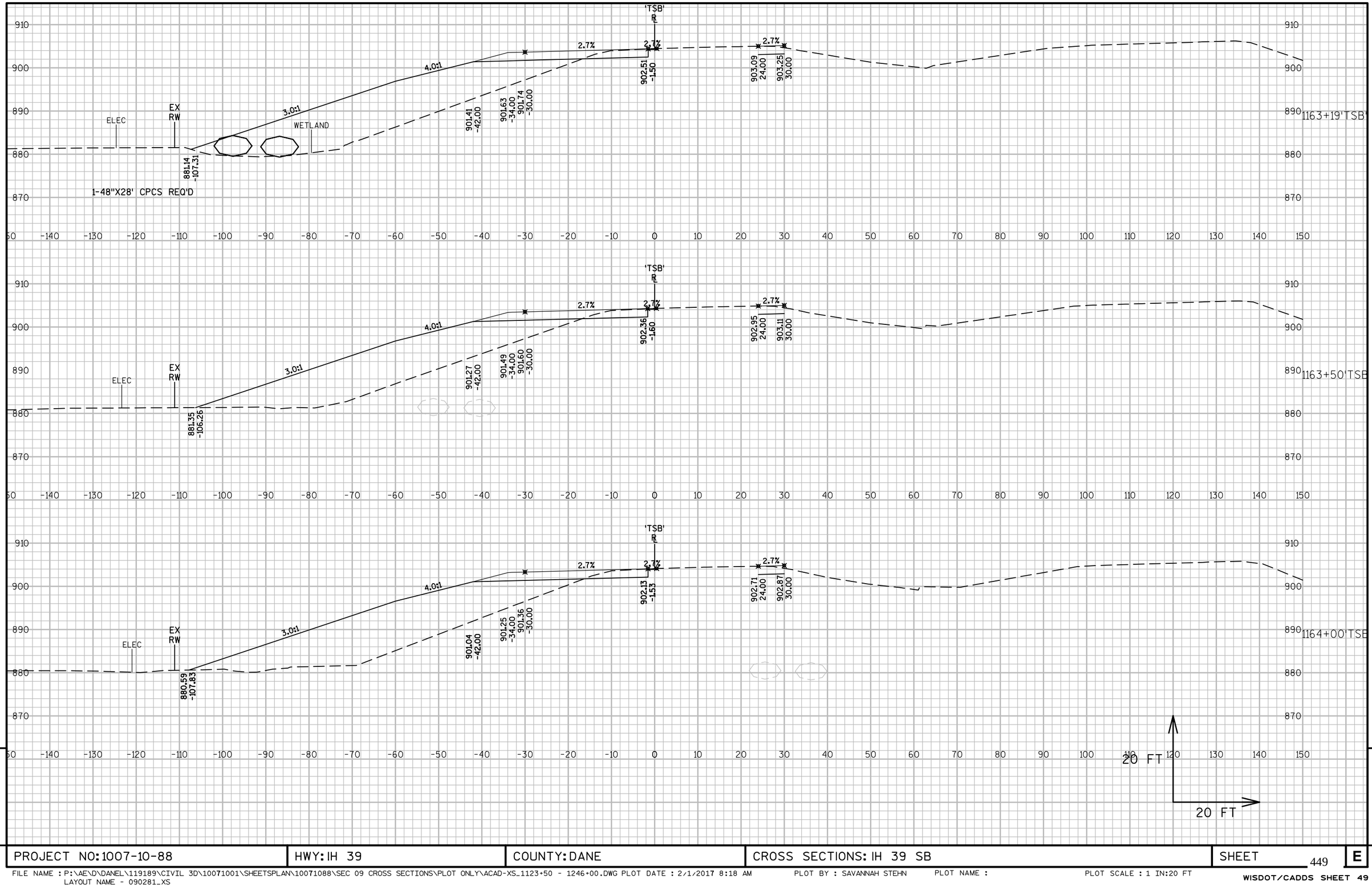
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 448	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090280_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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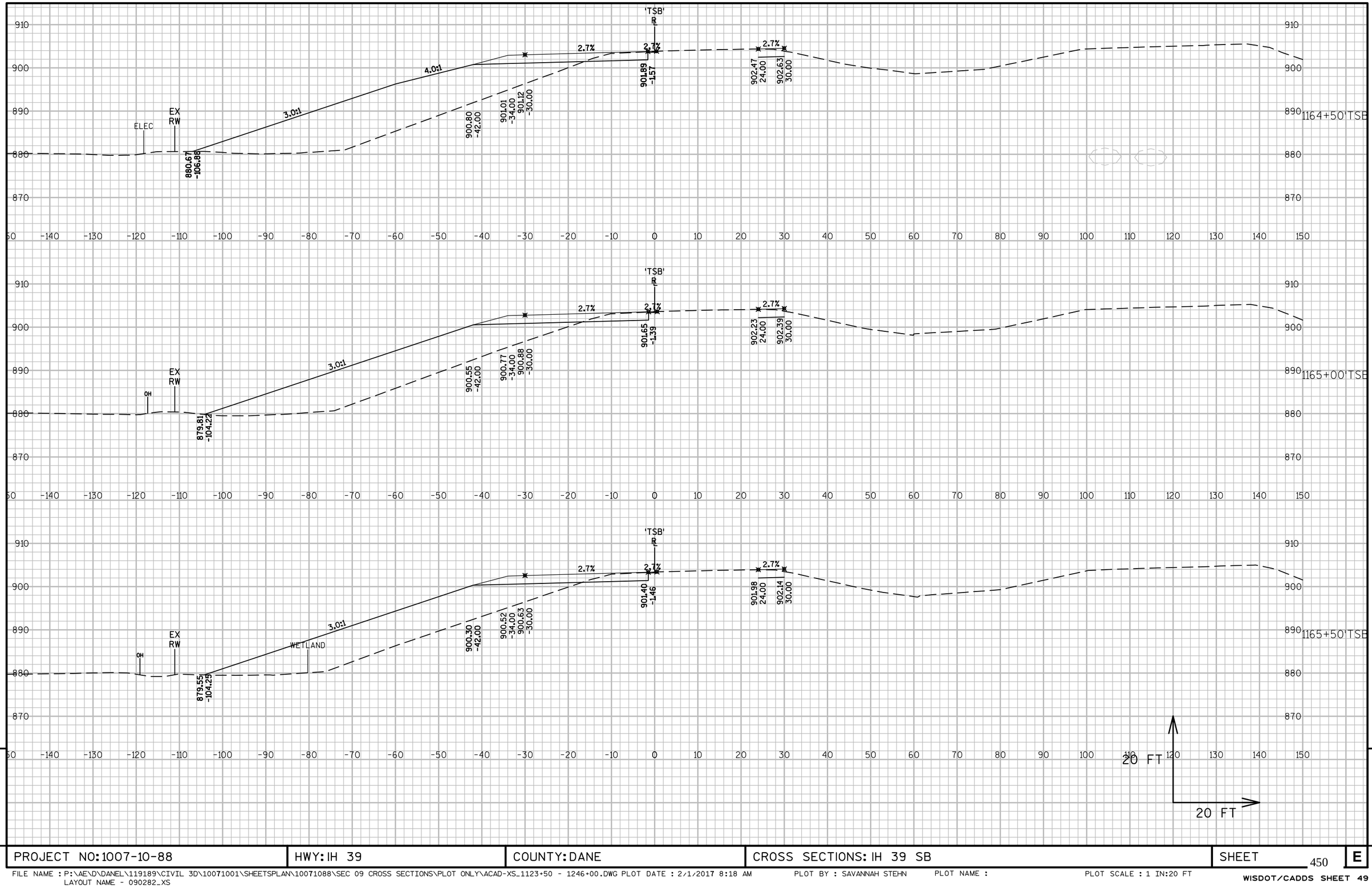
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 449	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090281_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT



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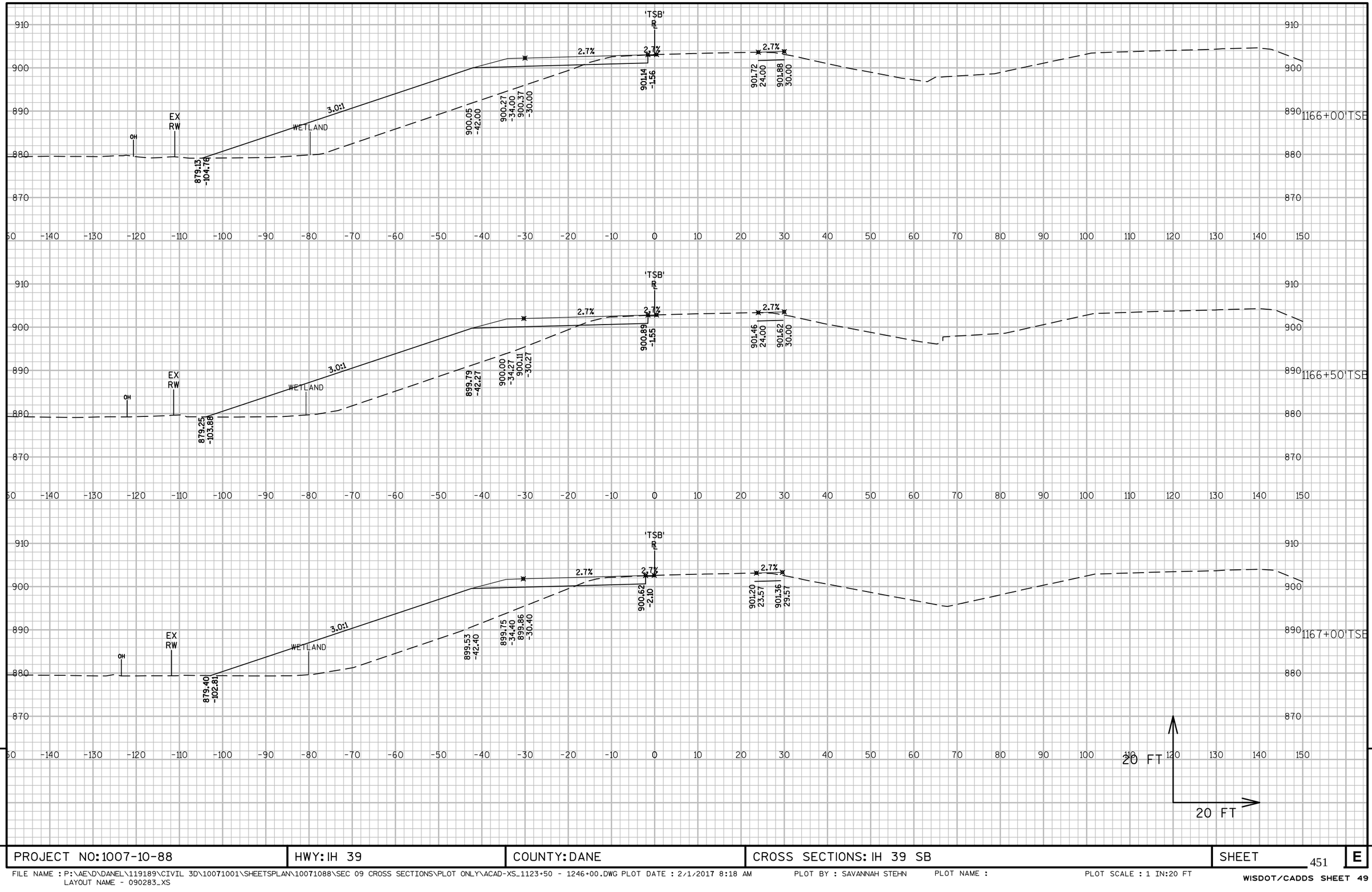
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 450	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090282_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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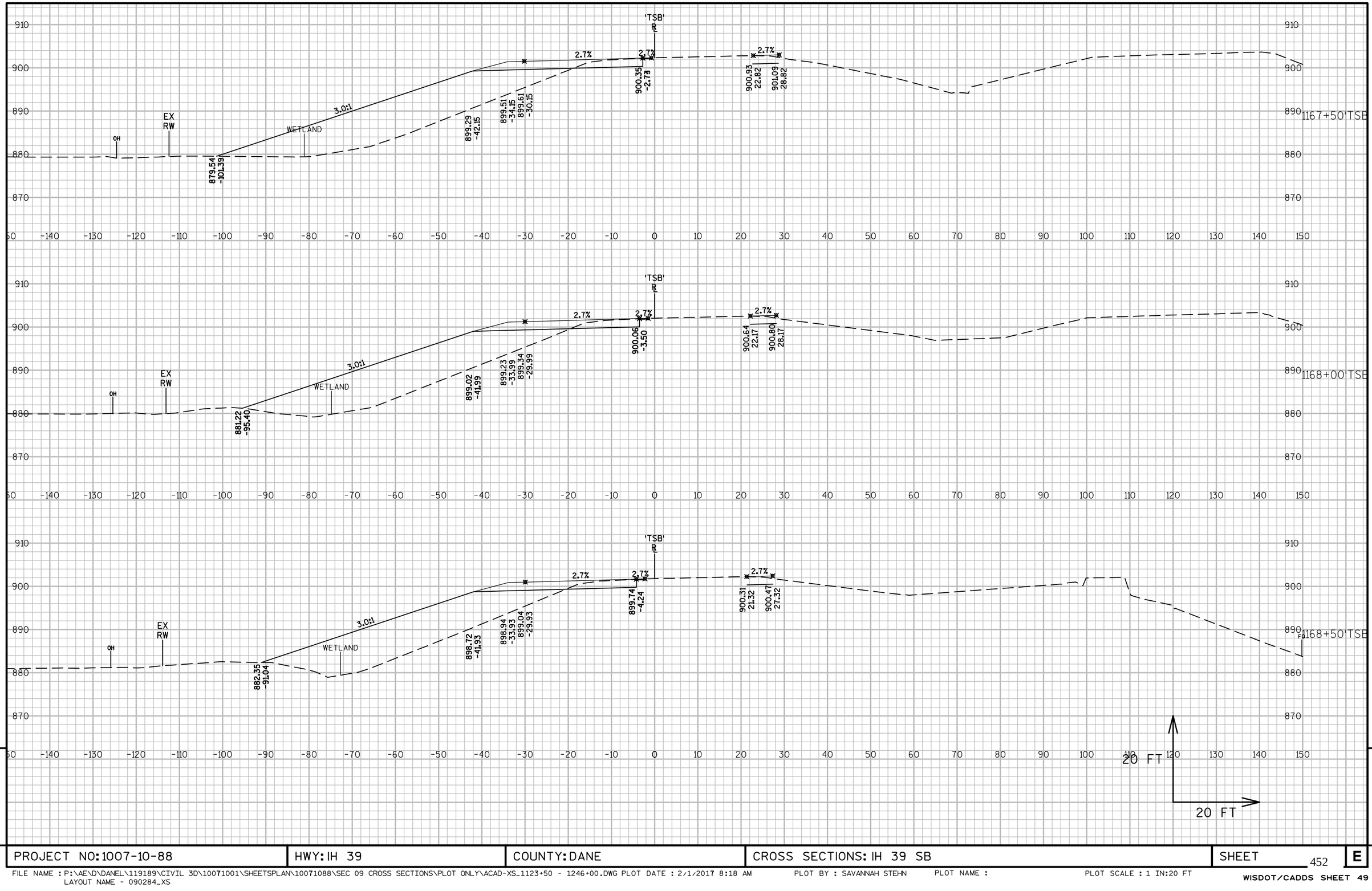
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 451	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090283_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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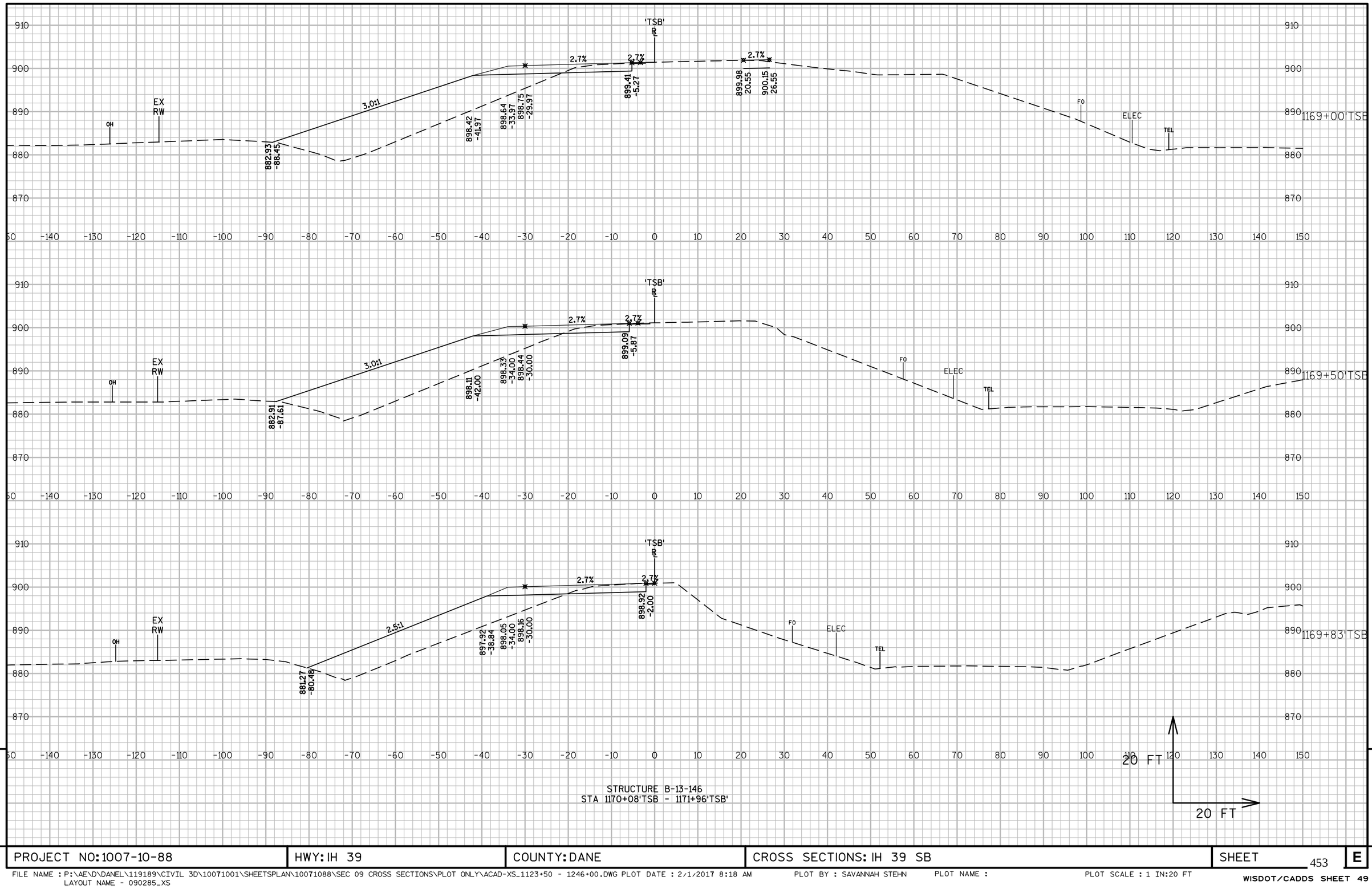
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 452	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090284_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



STRUCTURE B-13-146
STA 1170+08'TSB - 1171+96'TSB'

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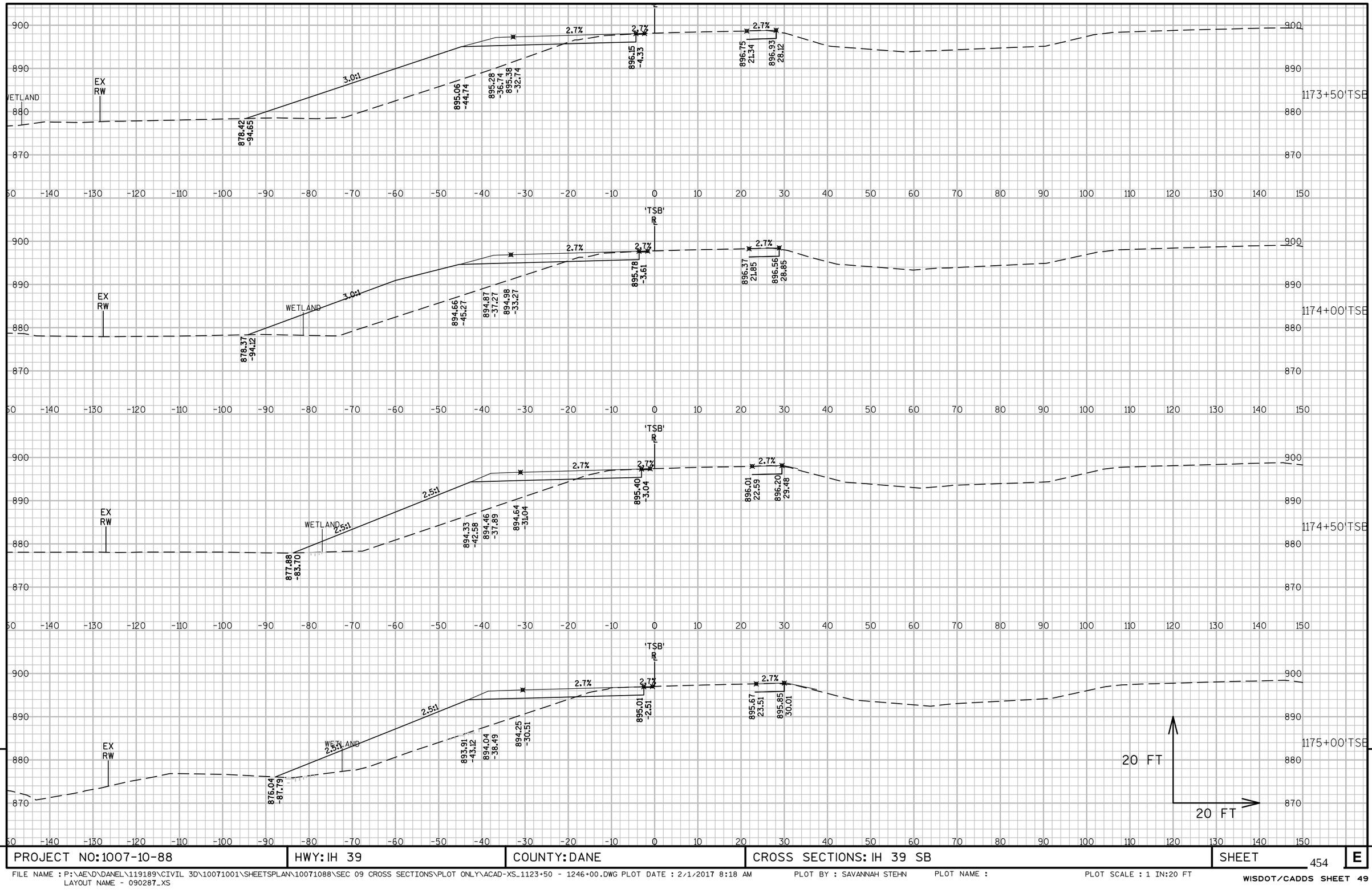
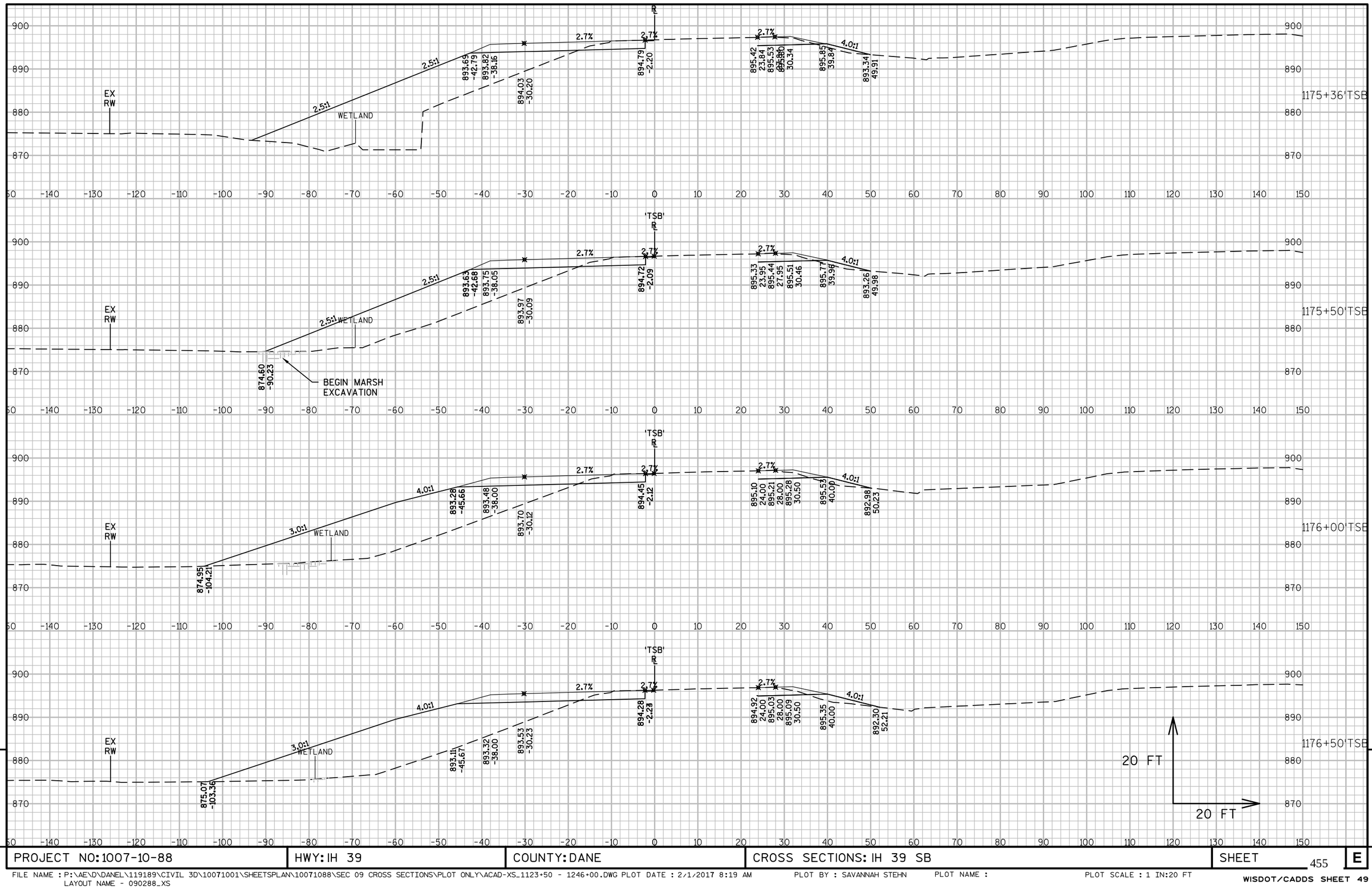
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 453	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090285_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 454	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:18 AM
LAYOUT NAME - 090287_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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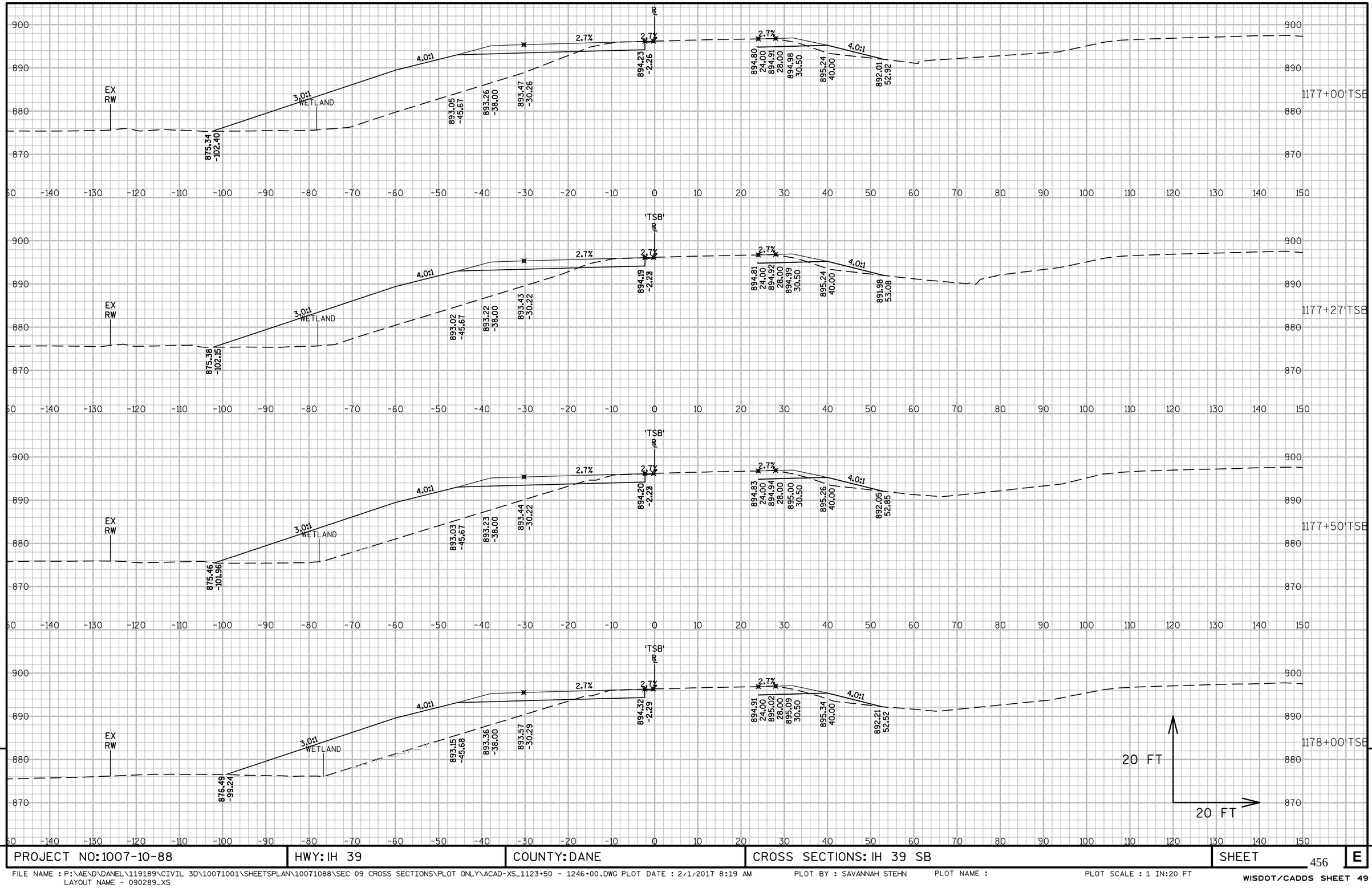
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 455	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 090288_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT



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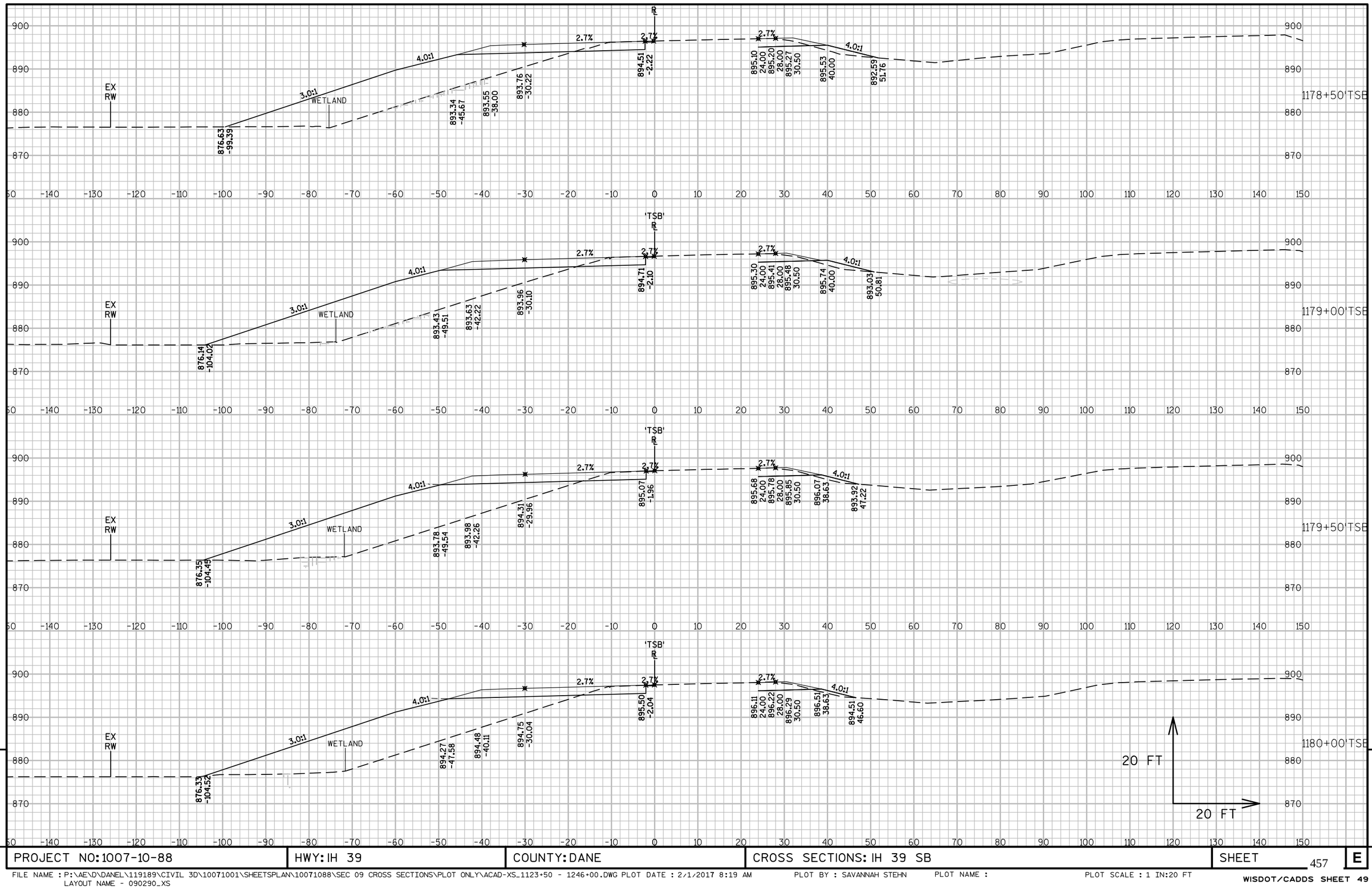
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 456	E



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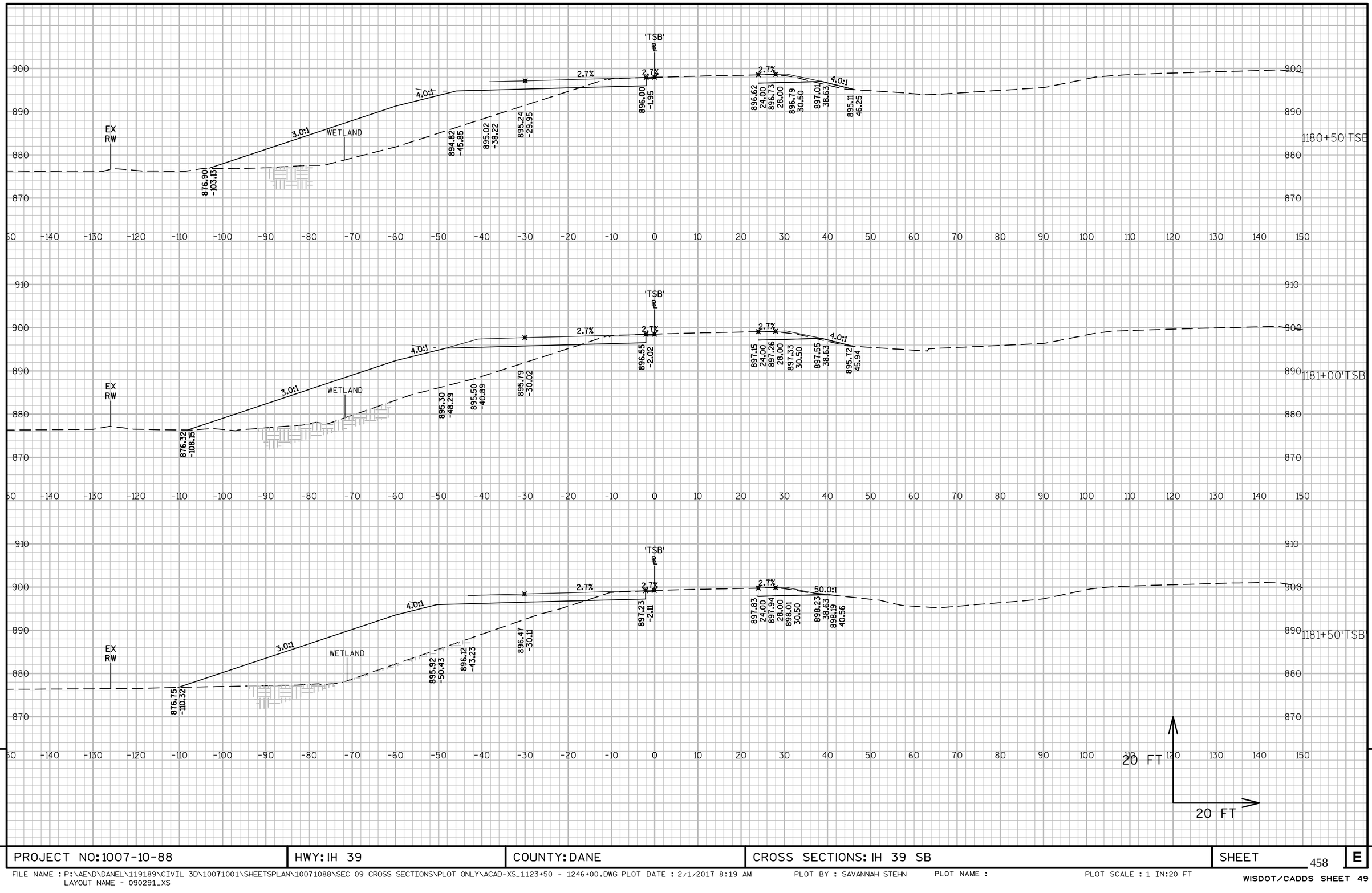
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 457	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 090290_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

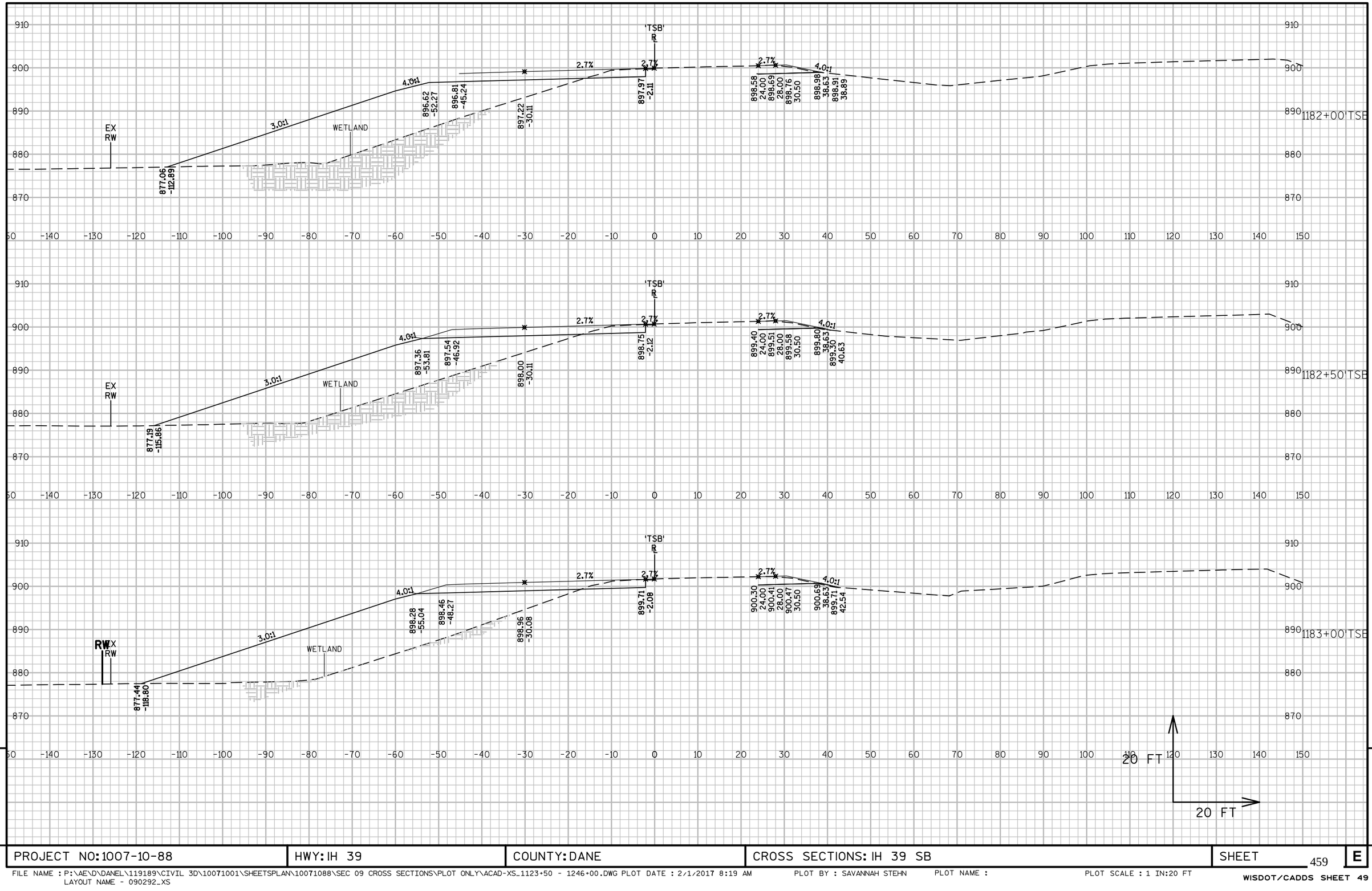


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 458	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 090291_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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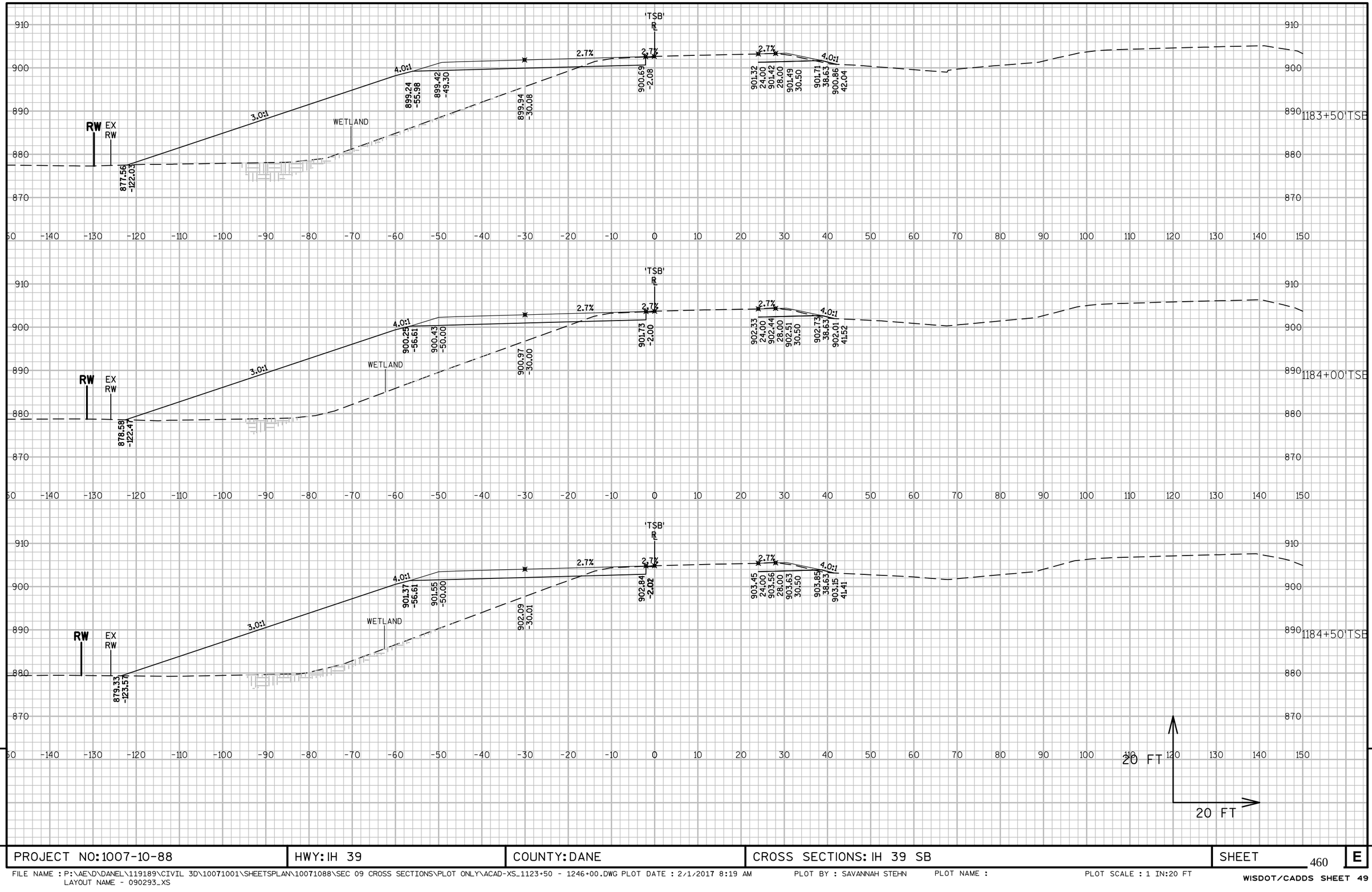
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 459	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 090292_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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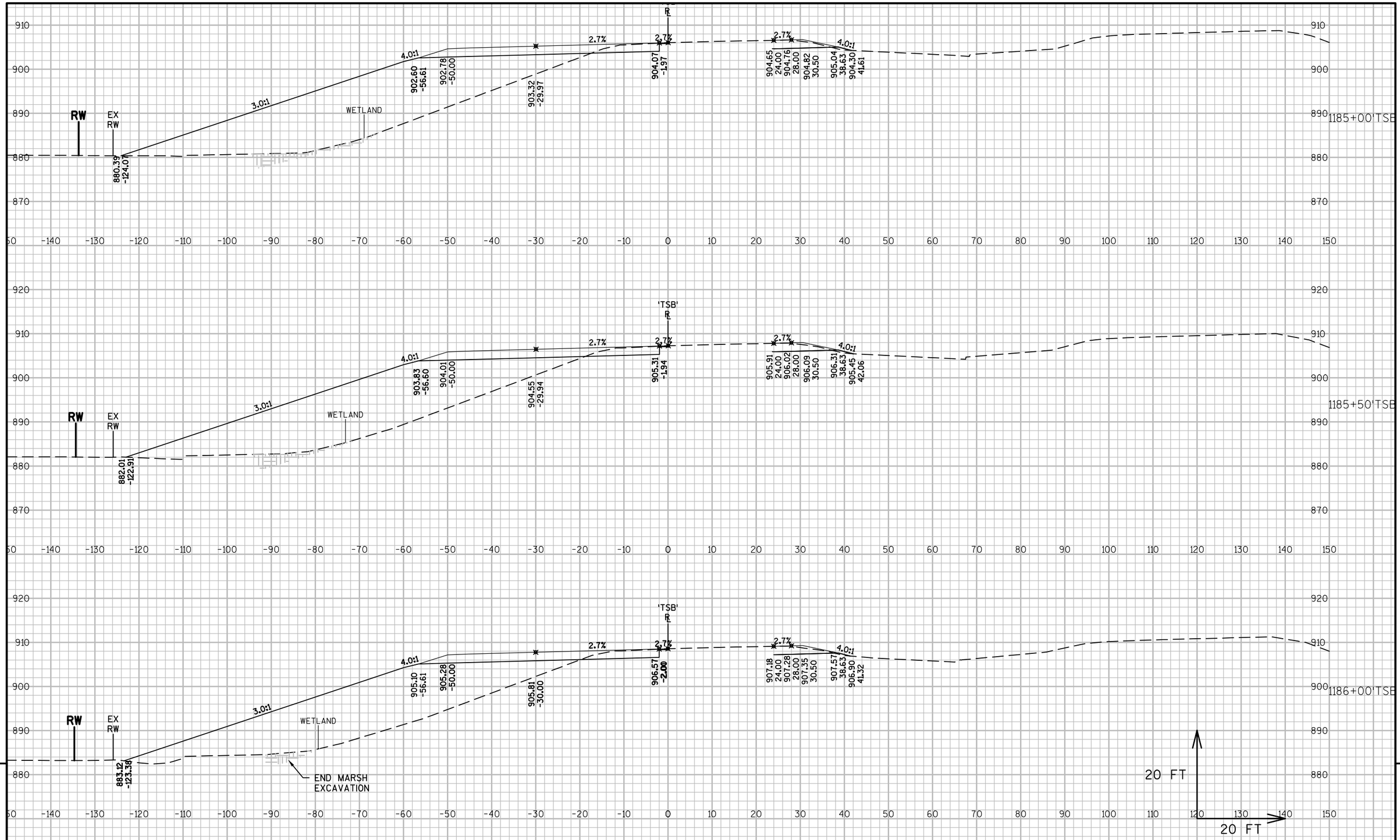
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 460	E

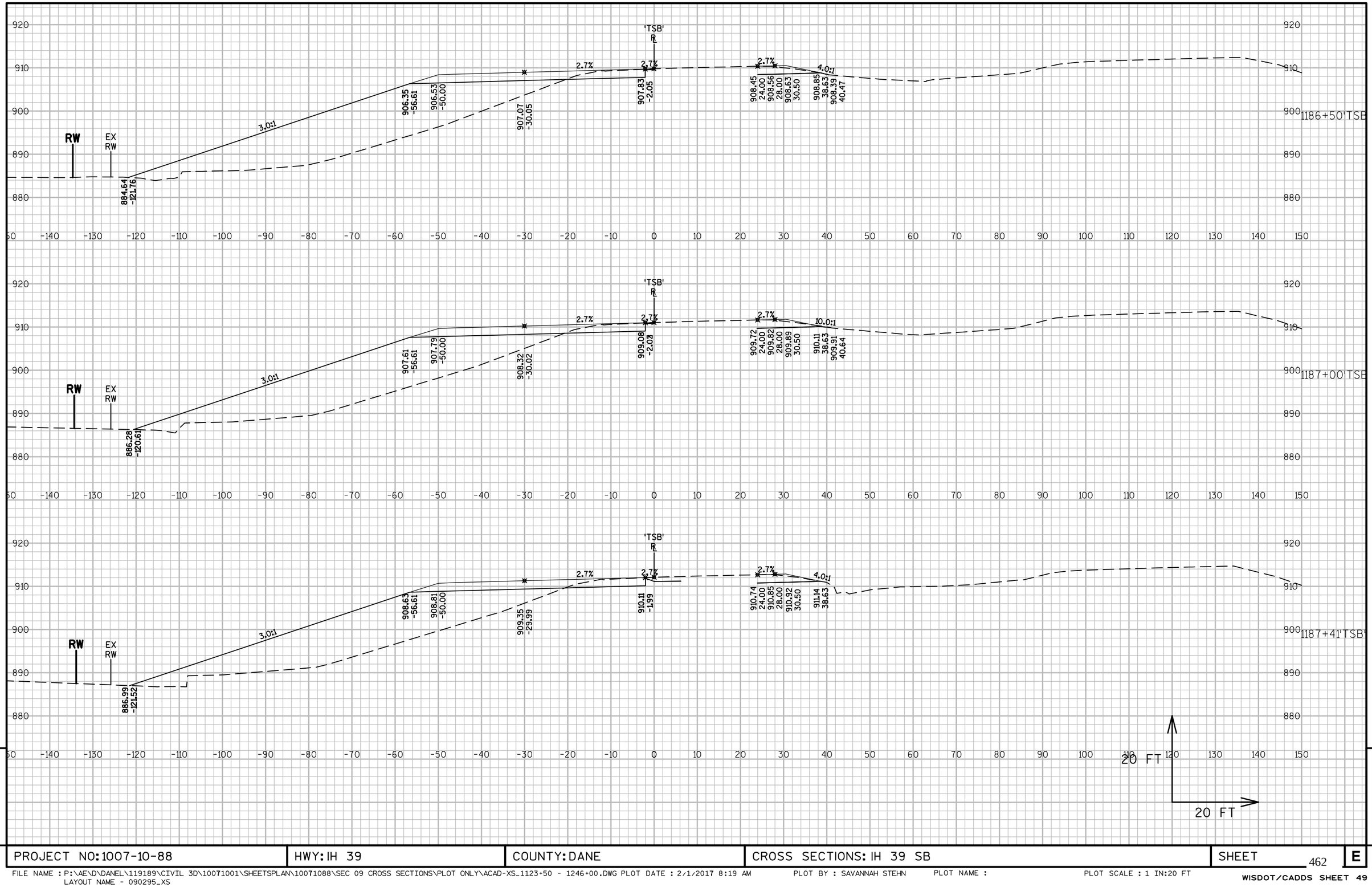


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 461	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 090294_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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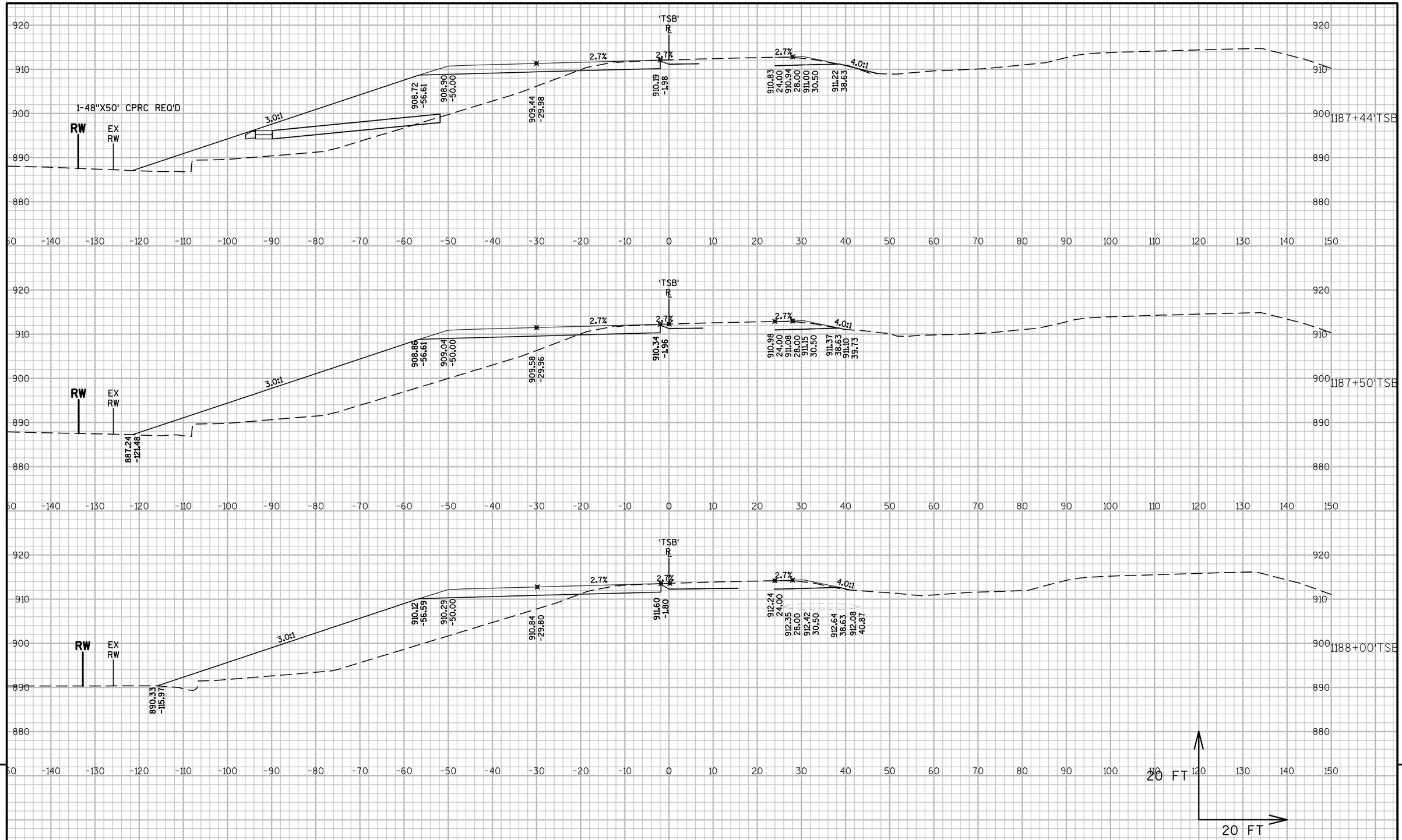
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 462	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 090295_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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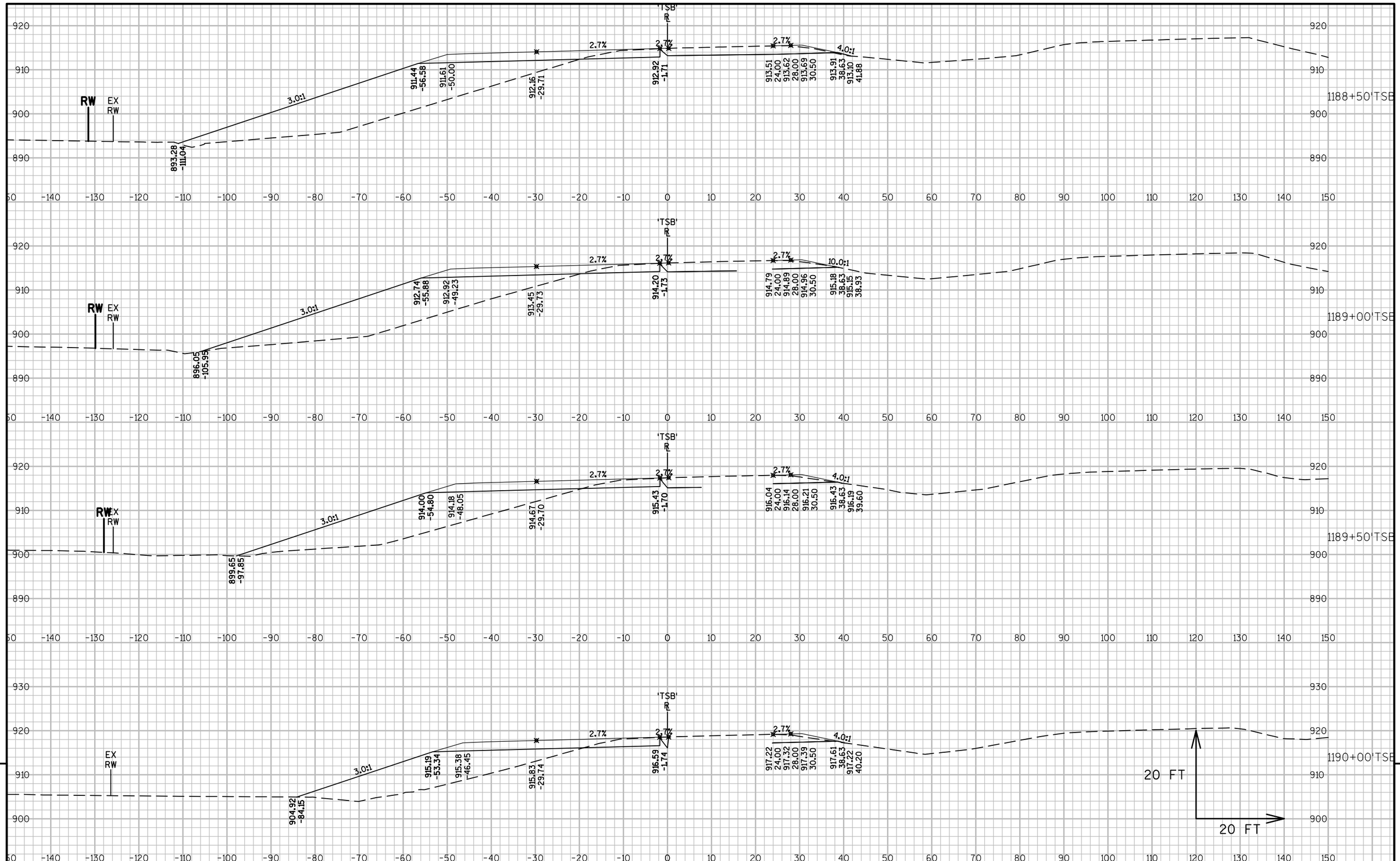
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 463	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 090296_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 464 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 090297_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

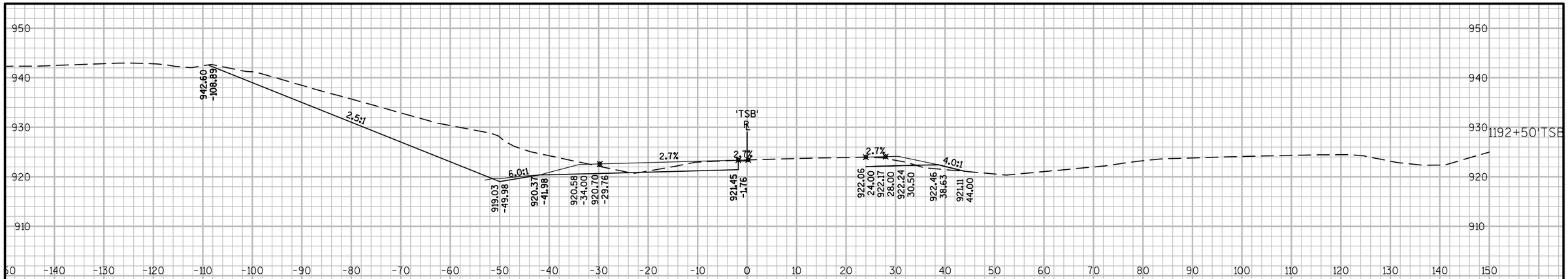
WISDOT/CADDS SHEET 49

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 465	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 090298_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9 9

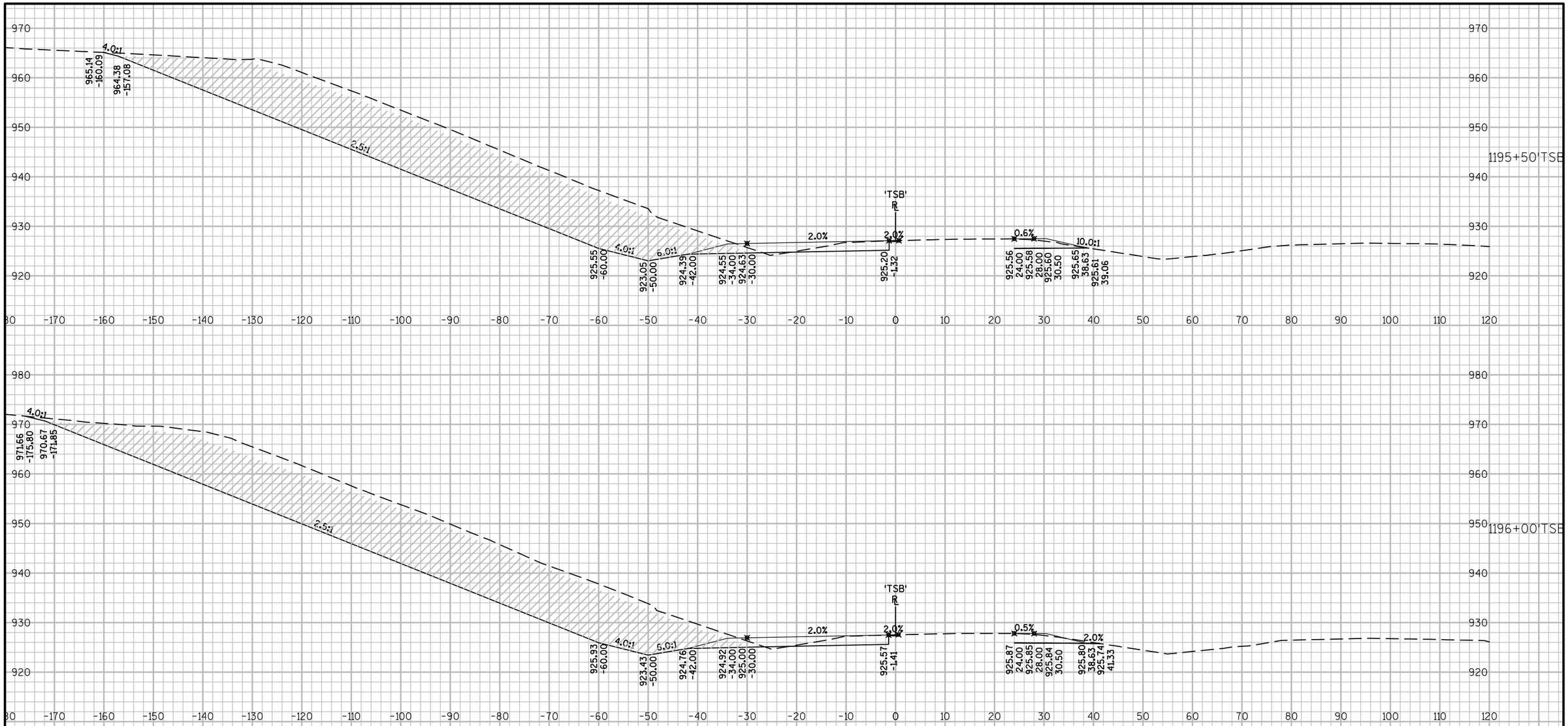
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 466	E

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 467	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 0902100_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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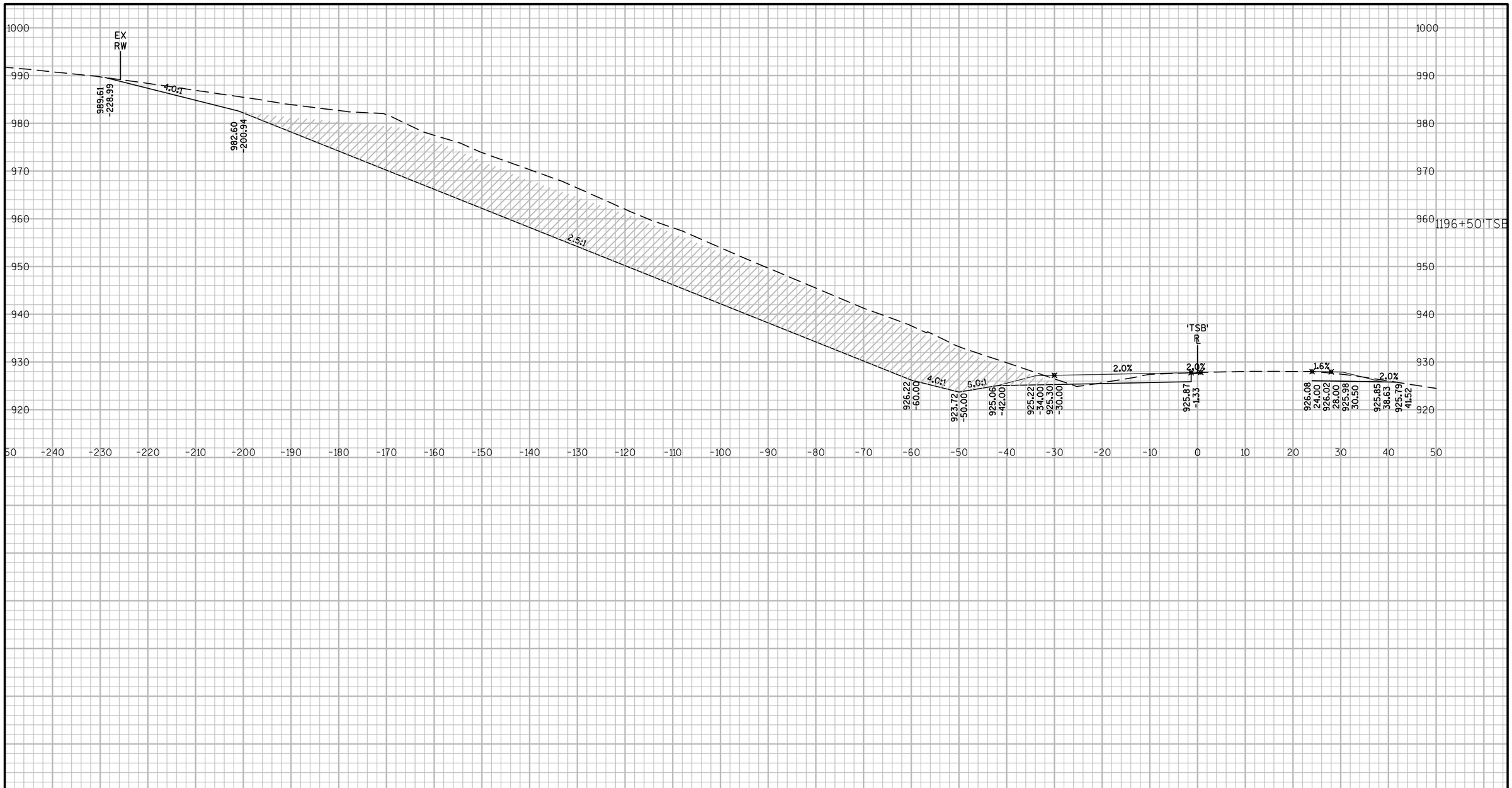
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 468	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 0902101_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



20 FT

20 FT

9

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PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 469	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 0902102_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

EX RW

4.0:1

1000.30
-249.74

996.85
-235.97

2.5:1

926.46
-60.00

4.0:1

923.96
-50.00

6.0:1

925.30
-42.00

925.46
-34.00

925.54
-30.00

2.0%

'TSB' RT

926.11
-1.32

2.0%

926.26
24.00

926.18
28.00

926.13
30.50

2.0%

925.96
38.63

925.91
41.30

2.0%

1197+00 TSB

1010
1000
990
980
970
960
950
940
930
920

-250 -240 -230 -220 -210 -200 -190 -180 -170 -160 -150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50

20 FT

20 FT

9

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PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 470	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 0902103_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

EX RW

4.0:1

999.58
-246.96

996.54
-234.80

2.5:1

926.62
-60.00

4.0:1

924.12
-50.00

6.0:1

925.46
-42.00

925.62
-34.00

925.70
-30.00

2.0%

'TSB' RP

926.27
-1.48

2.0%

926.34
24.00

2.0%

926.26
28.00

926.21
30.50

2.0%

926.05
38.63

926.00
41.28

1197+50 'TSB'

1010
1000
990
980
970
960
950
940
930
920

-250 -240 -230 -220 -210 -200 -190 -180 -170 -160 -150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50

20 FT

20 FT

9

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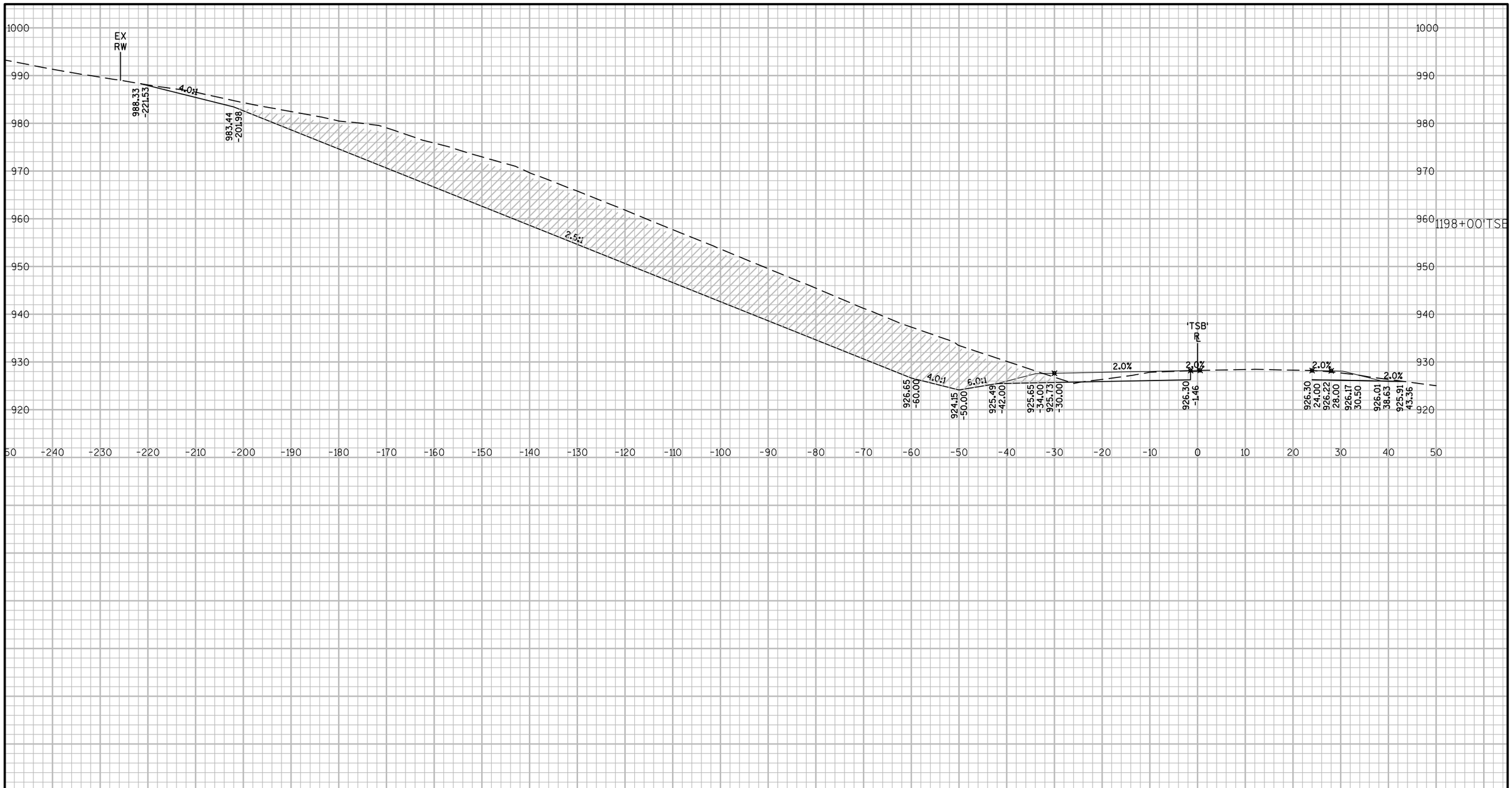
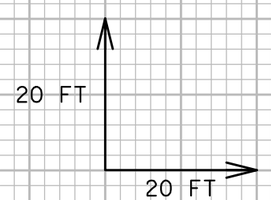
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 471	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 0902104_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT





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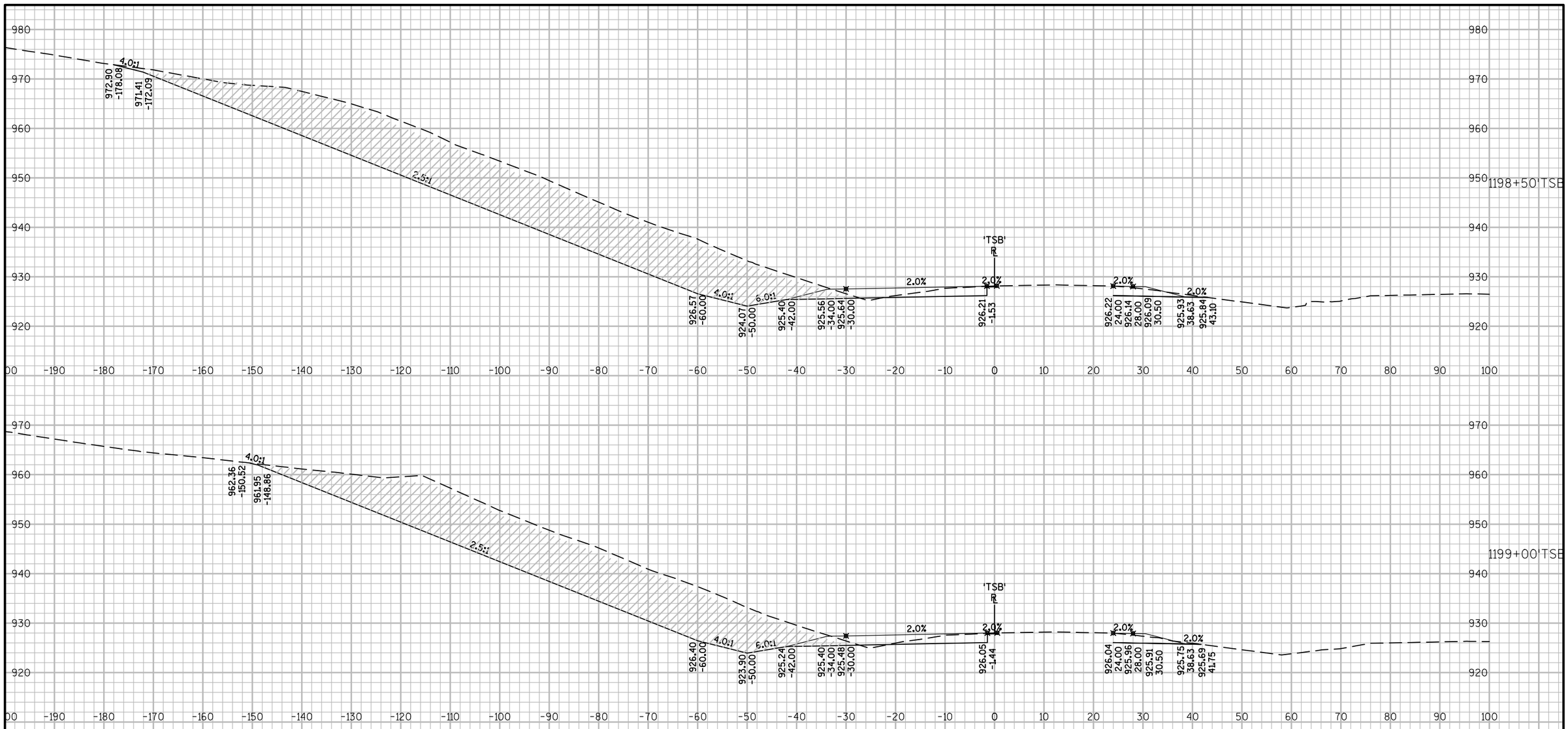
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 472	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 0902105_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT



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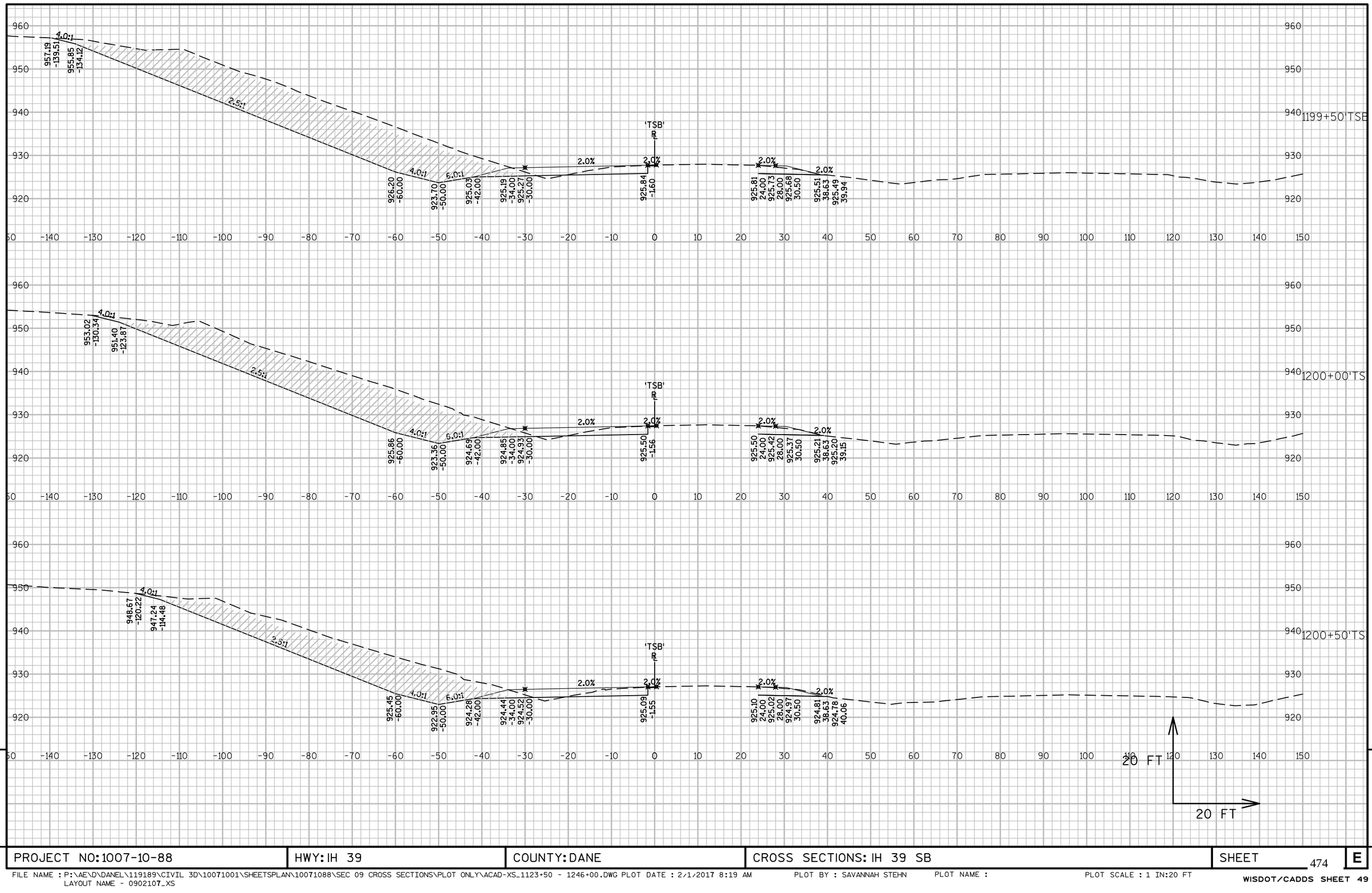
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 473	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 0902106_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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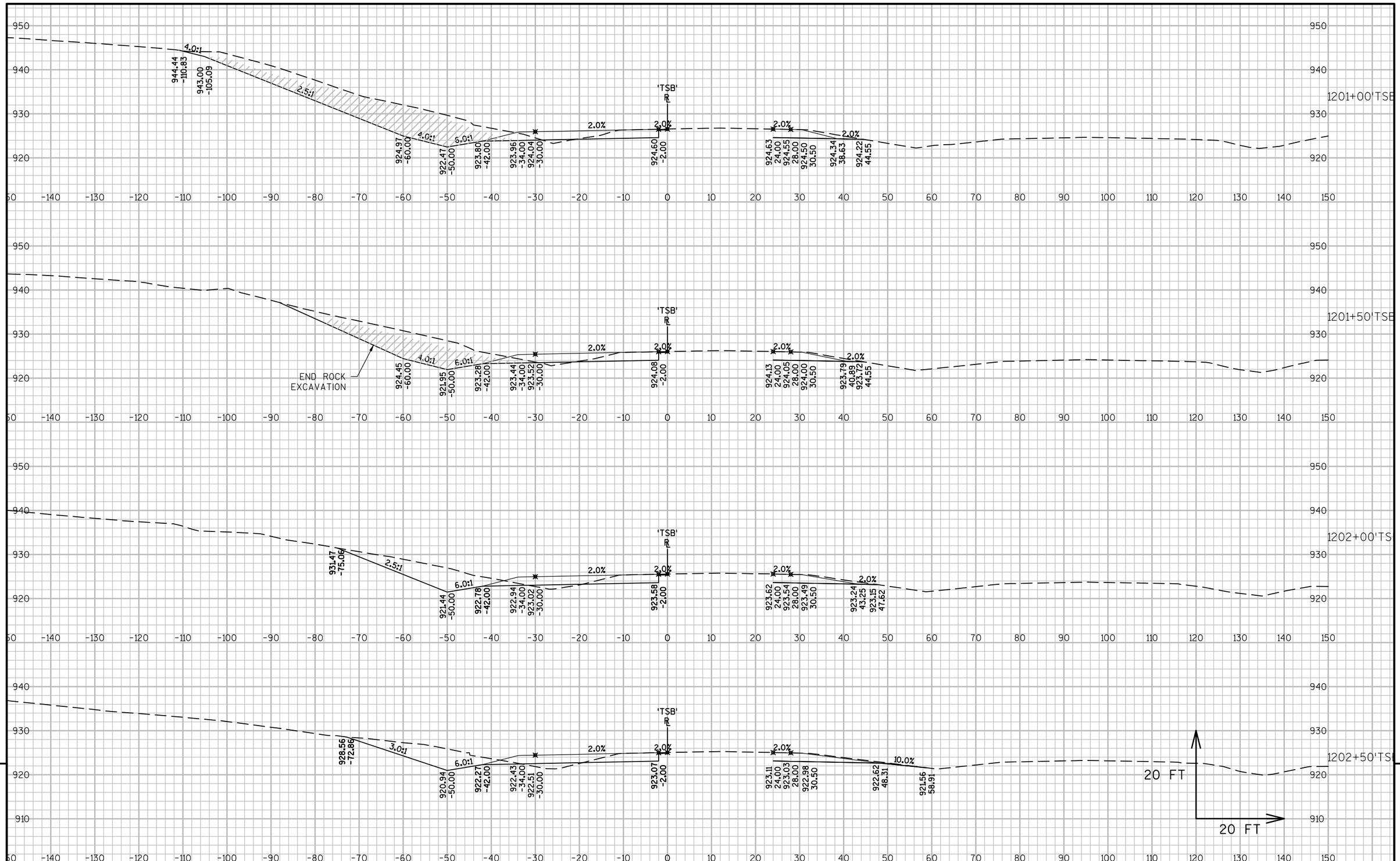
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 474	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 0902107_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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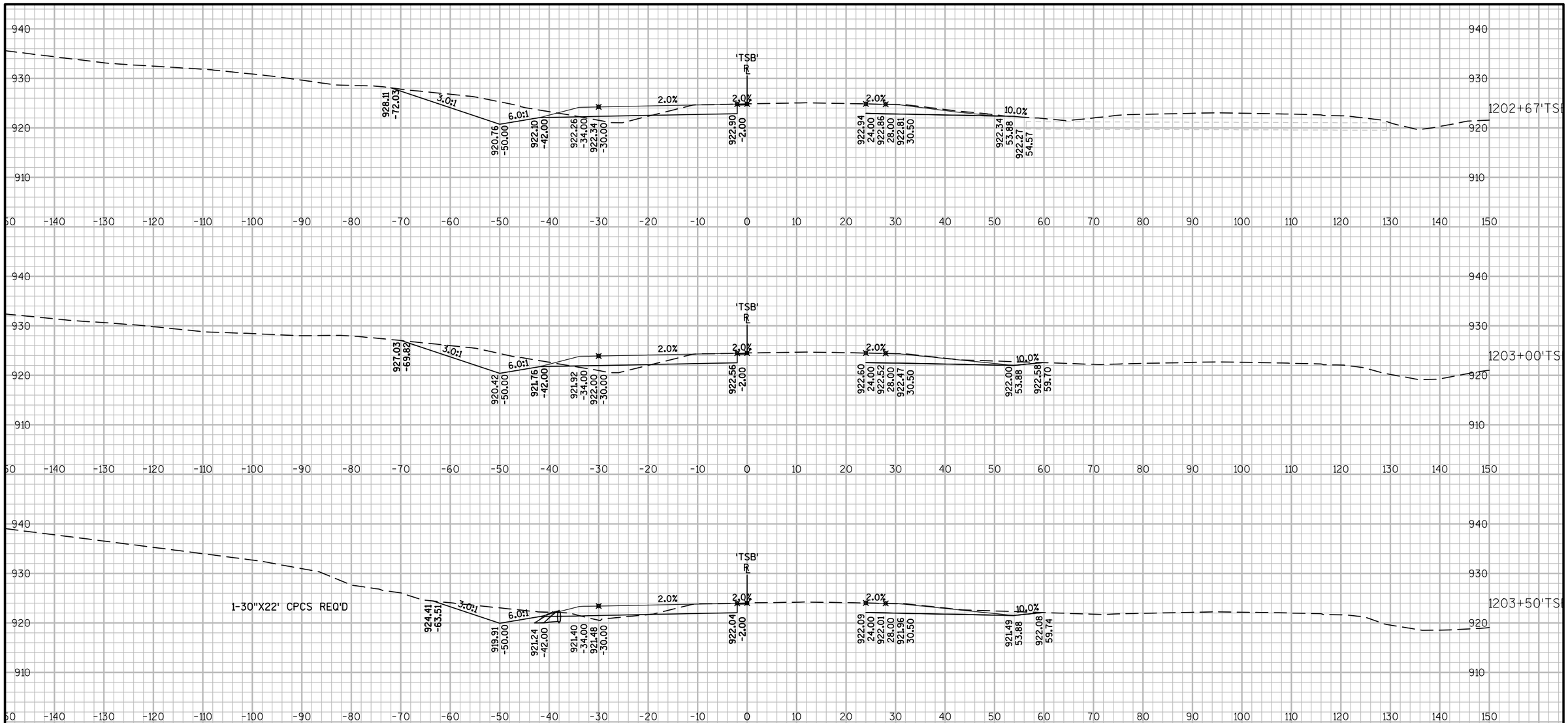
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 475 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 0902108_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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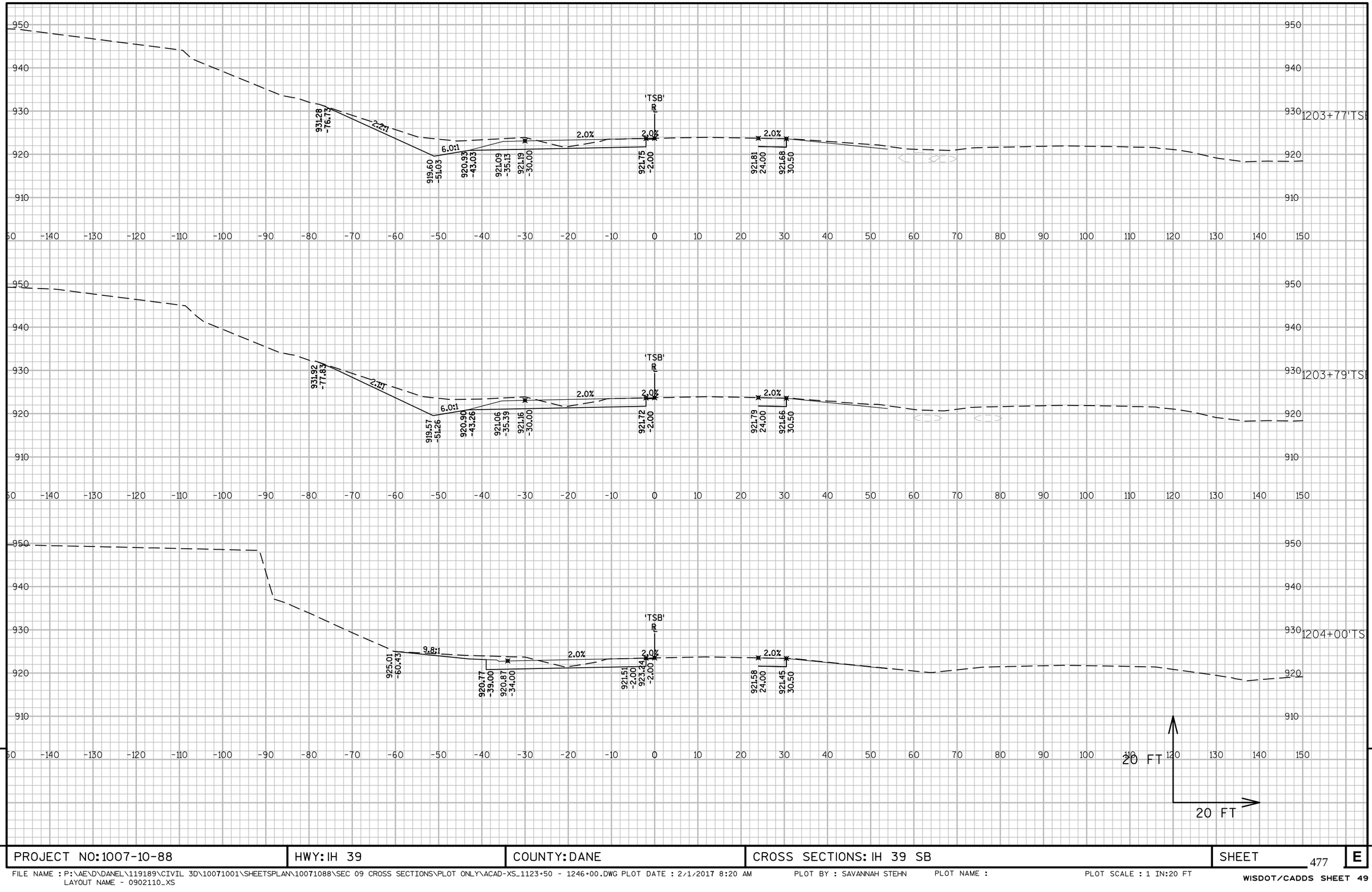
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 476	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:19 AM
LAYOUT NAME - 0902109_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT



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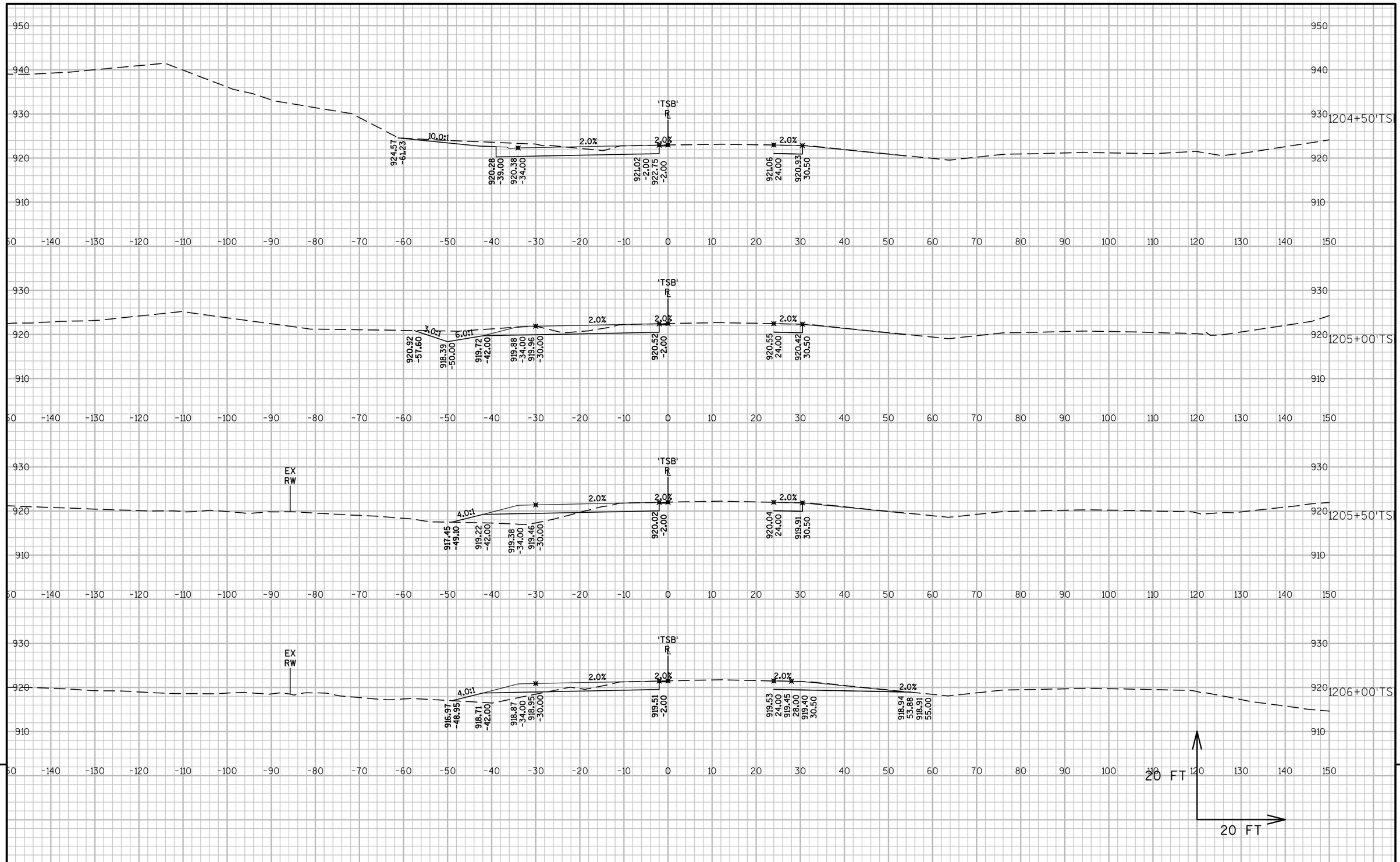
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 477	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:20 AM
LAYOUT NAME - 0902110_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

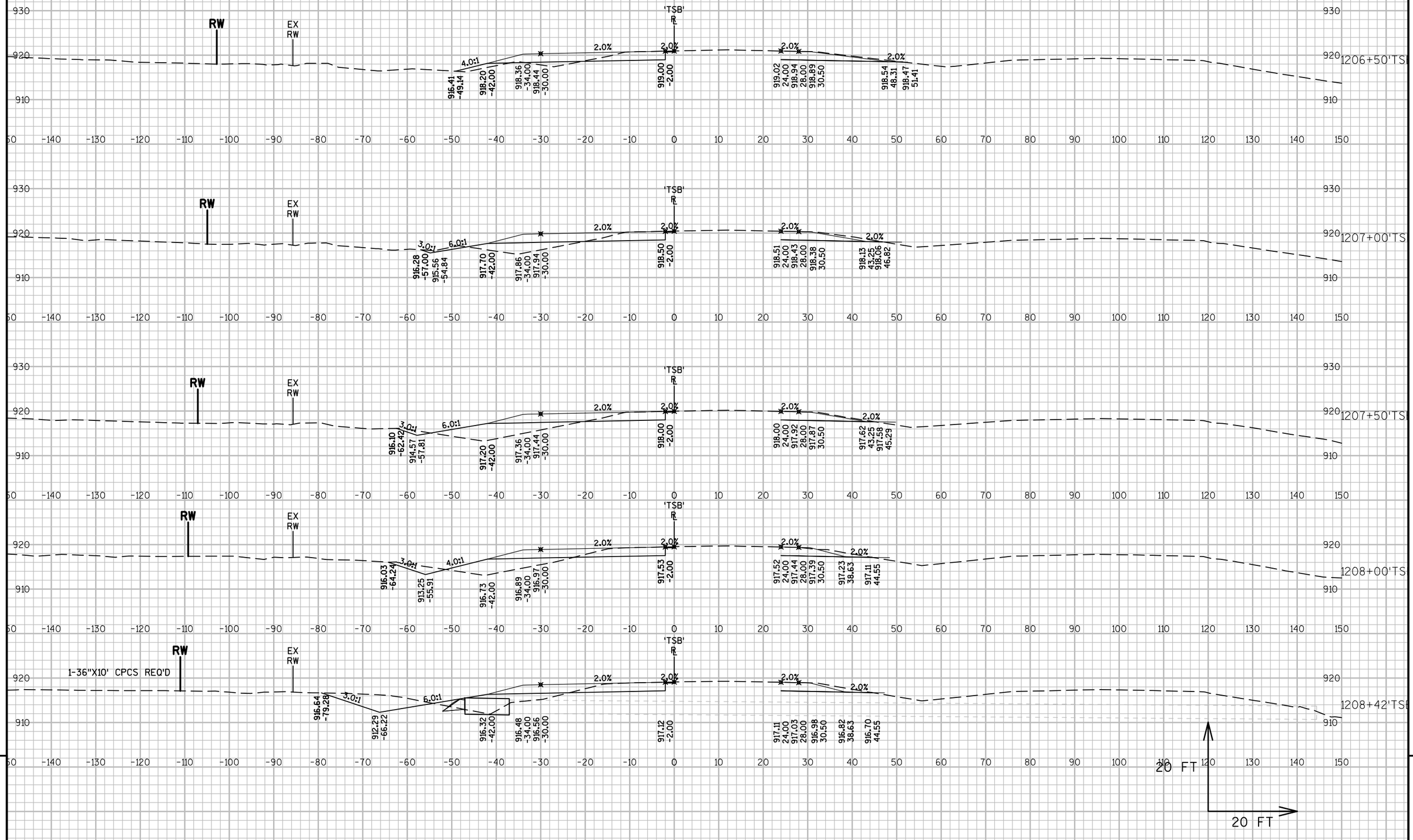


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 478	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:20 AM
LAYOUT NAME - 0902111_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

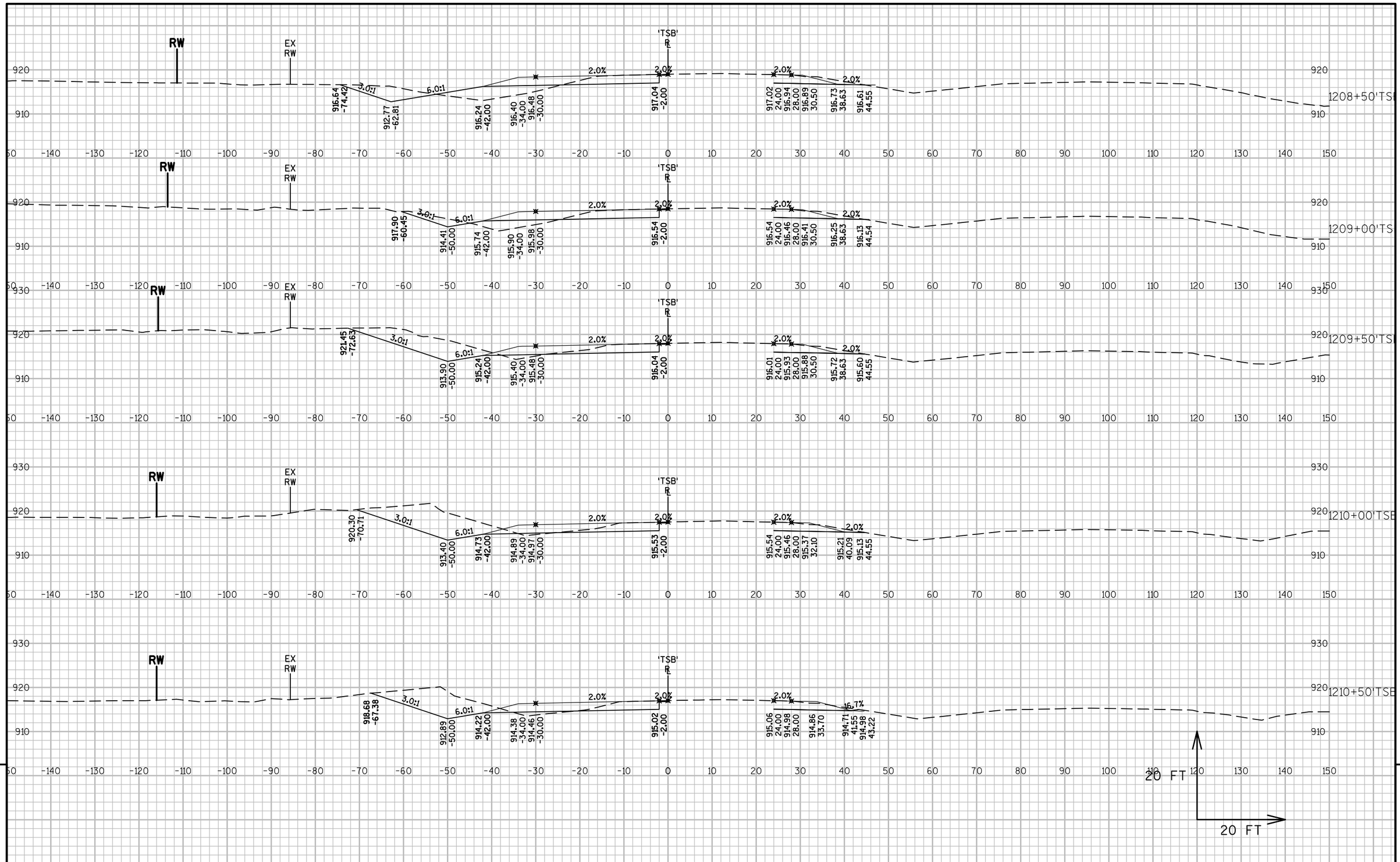
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 479	E

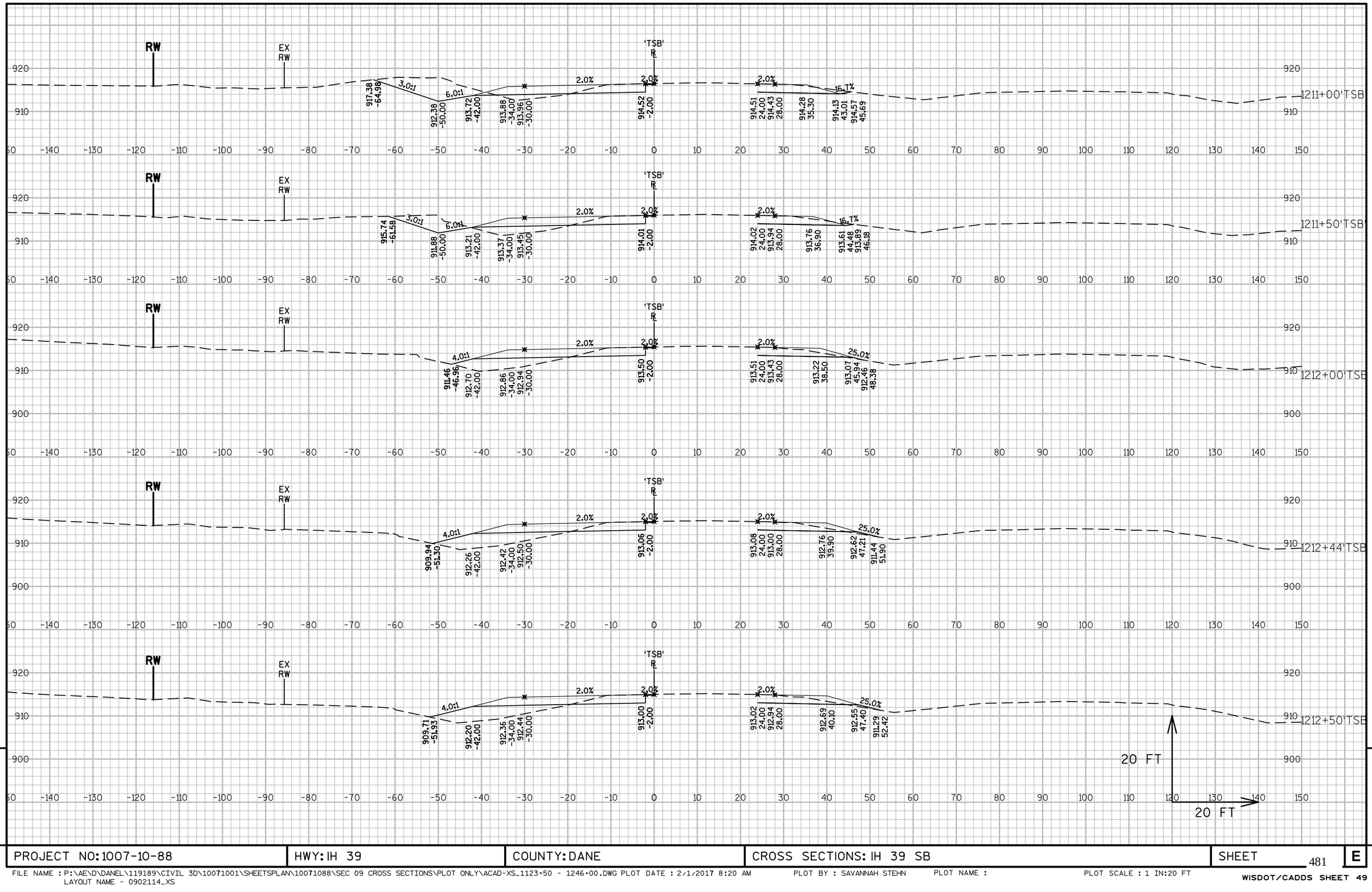
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:20 AM
LAYOUT NAME - 0902112_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 480	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:20 AM
LAYOUT NAME - 0902113_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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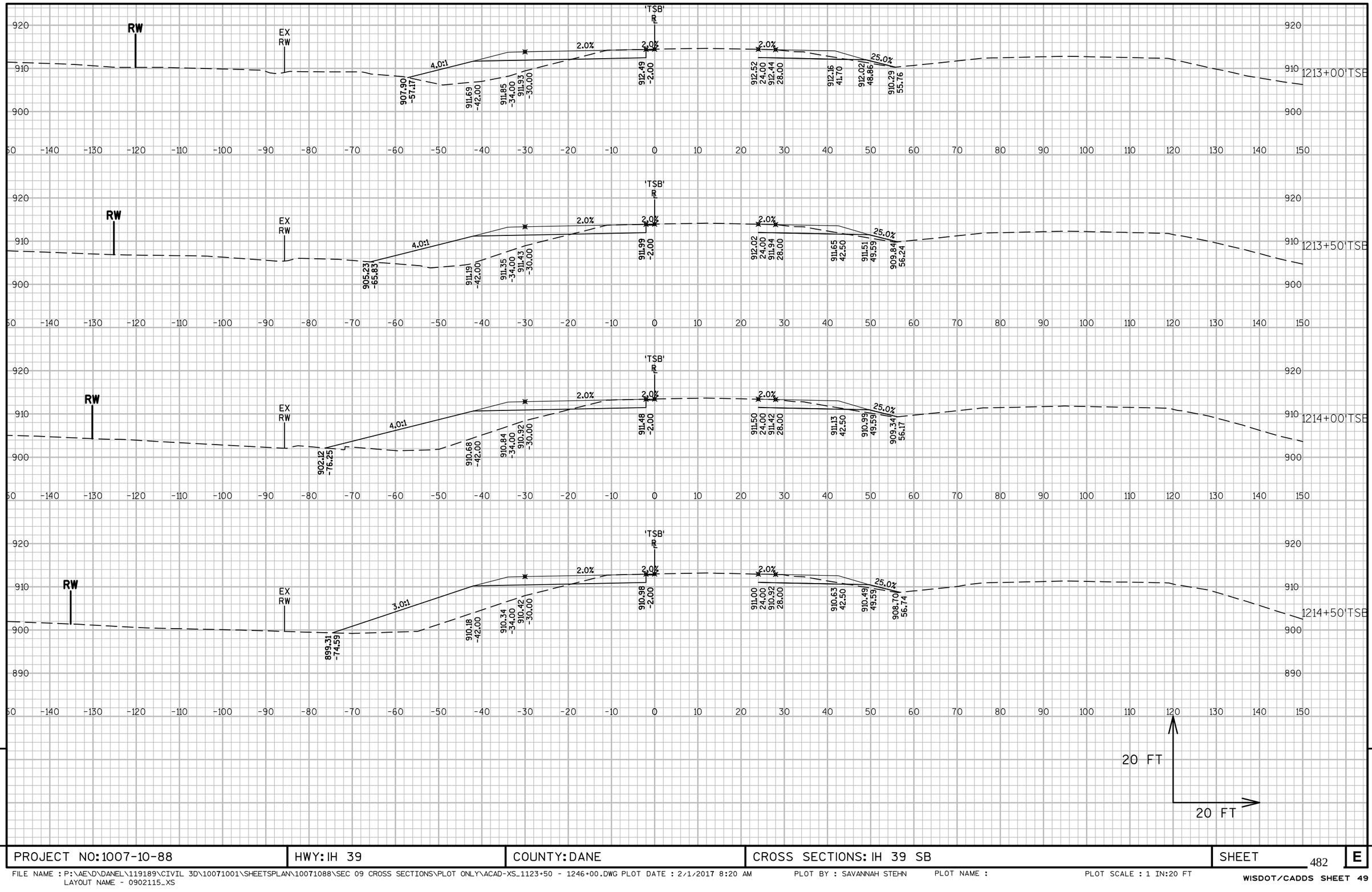
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 481	E

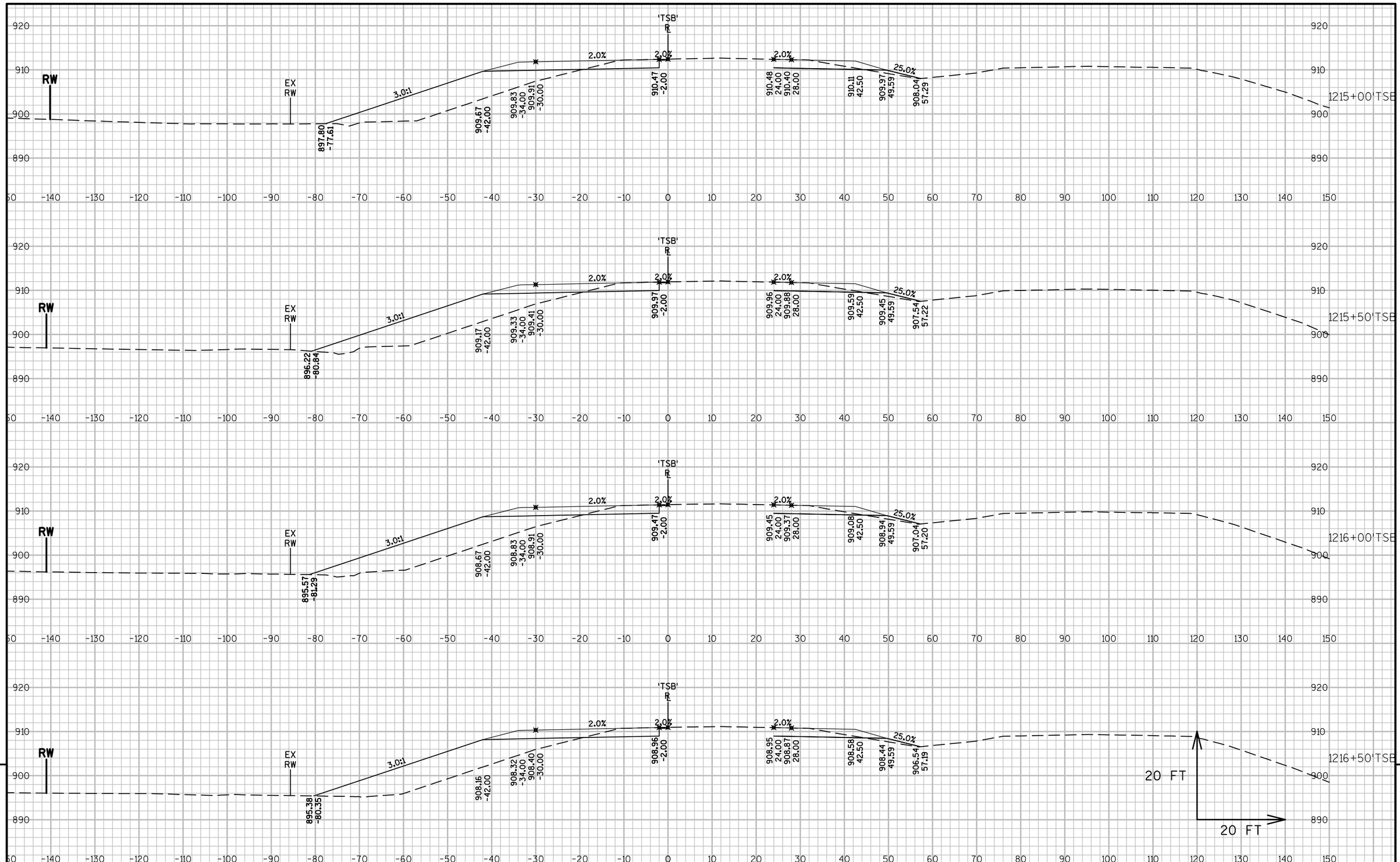
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:20 AM
LAYOUT NAME - 0902114_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 482	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:20 AM
LAYOUT NAME - 0902115_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

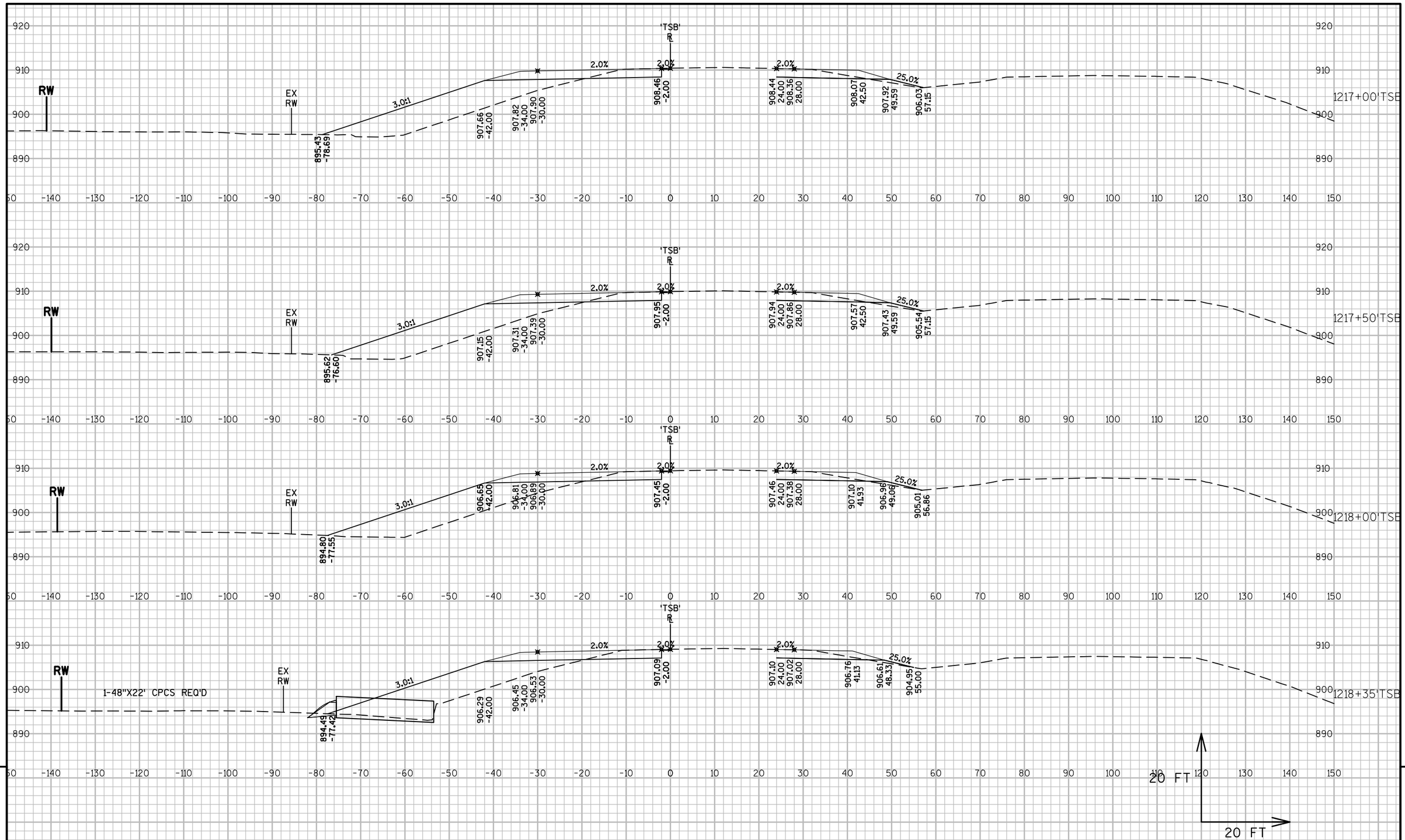


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 483 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:20 AM
LAYOUT NAME - 0902116_XS

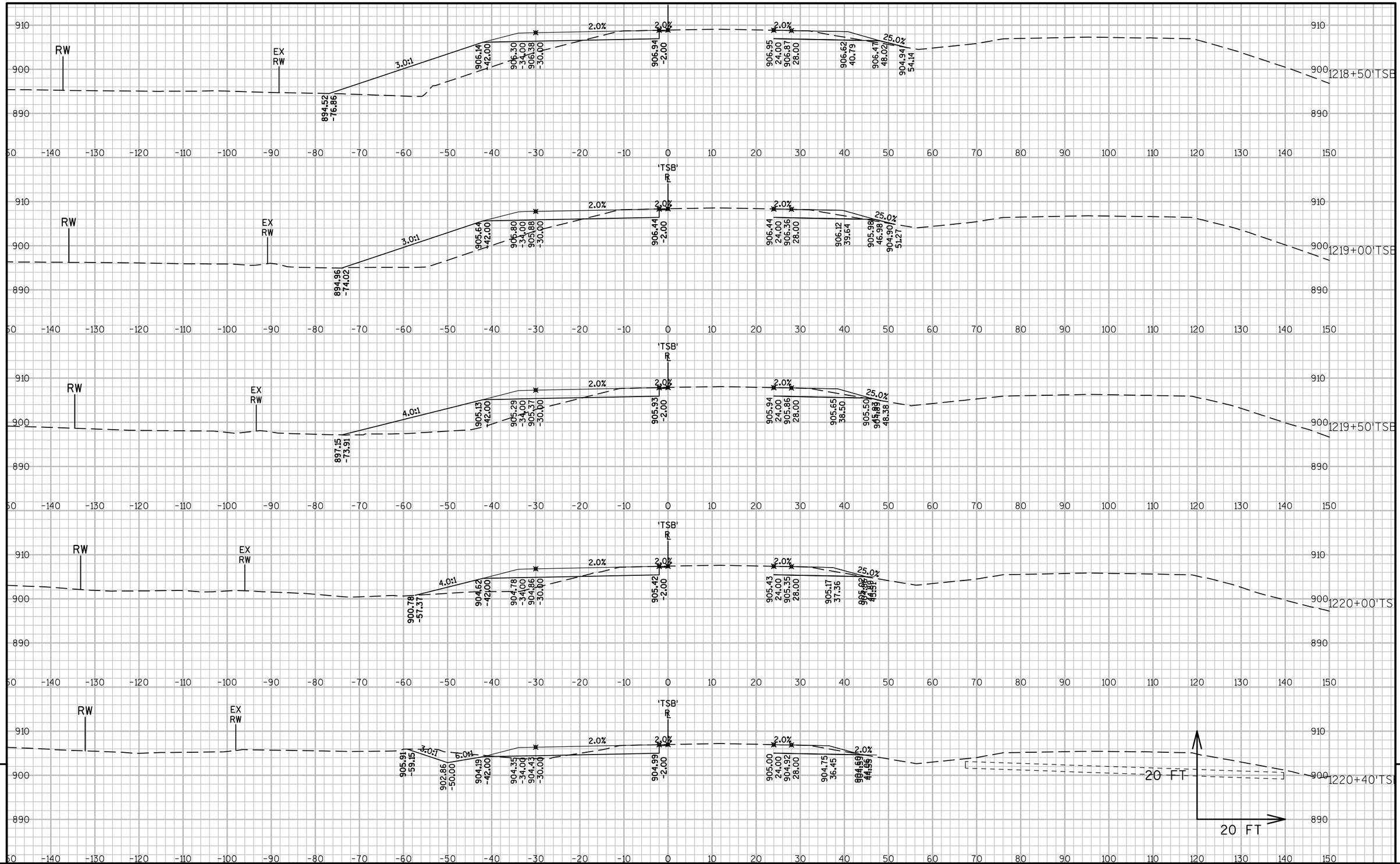
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 484	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:20 AM
LAYOUT NAME - 0902117_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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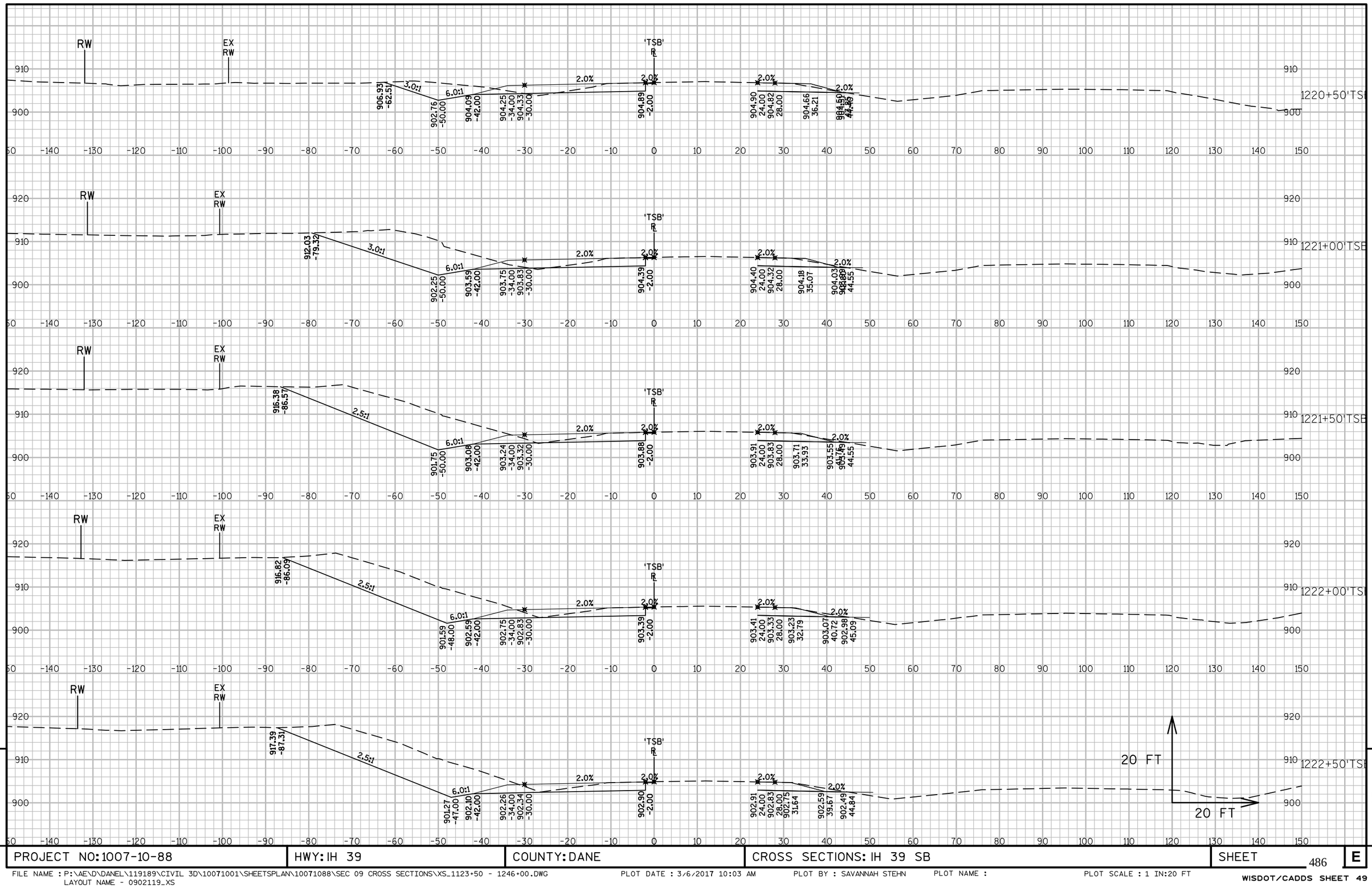
9

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 485	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\XS_1123+50 - 1246+00.DWG
LAYOUT NAME - 0902118_XS

PLOT DATE : 3/6/2017 10:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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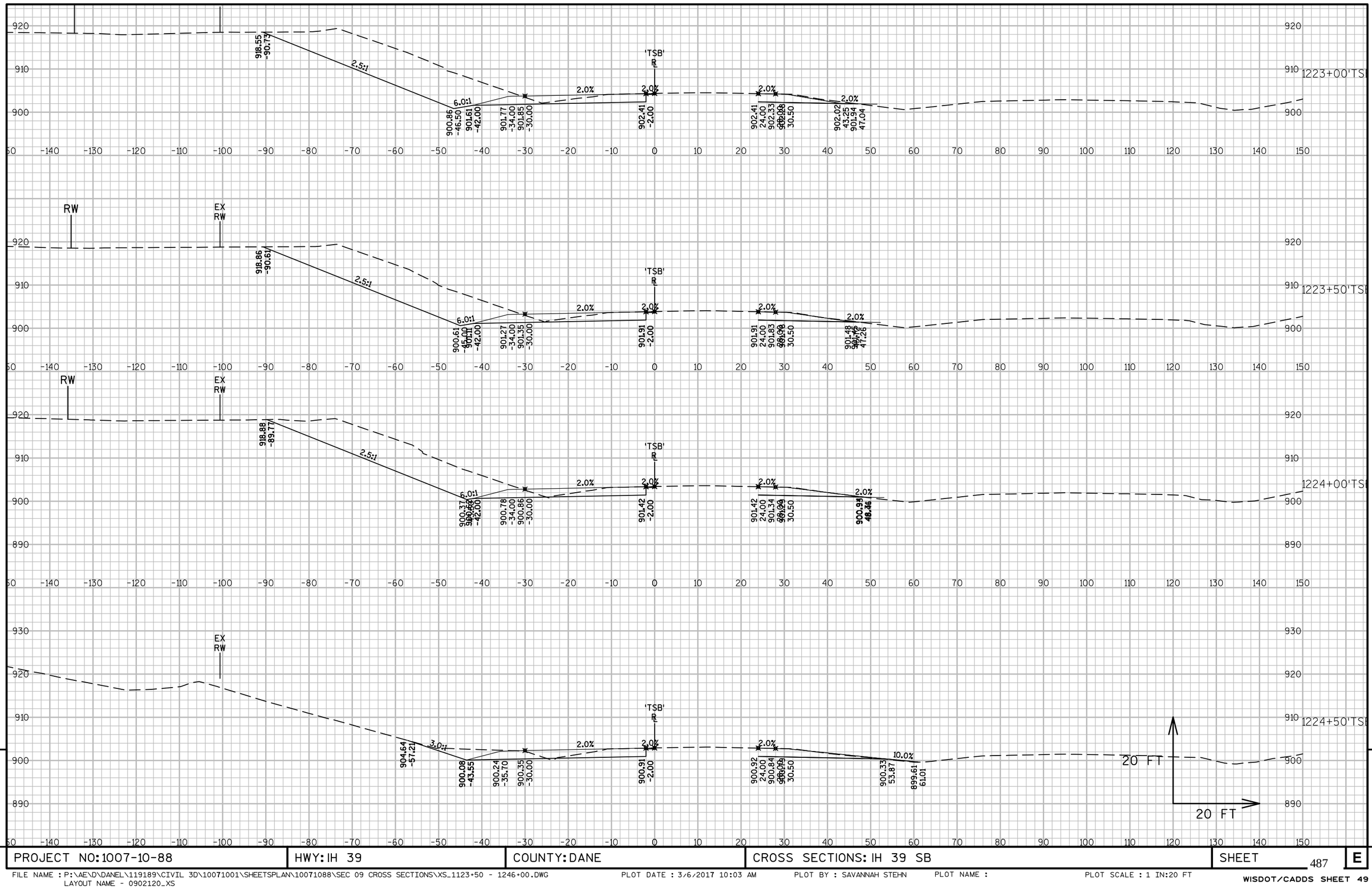
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 486	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\XS_1123+50 - 1246+00.DWG
LAYOUT NAME - 0902119_XS

PLOT DATE : 3/6/2017 10:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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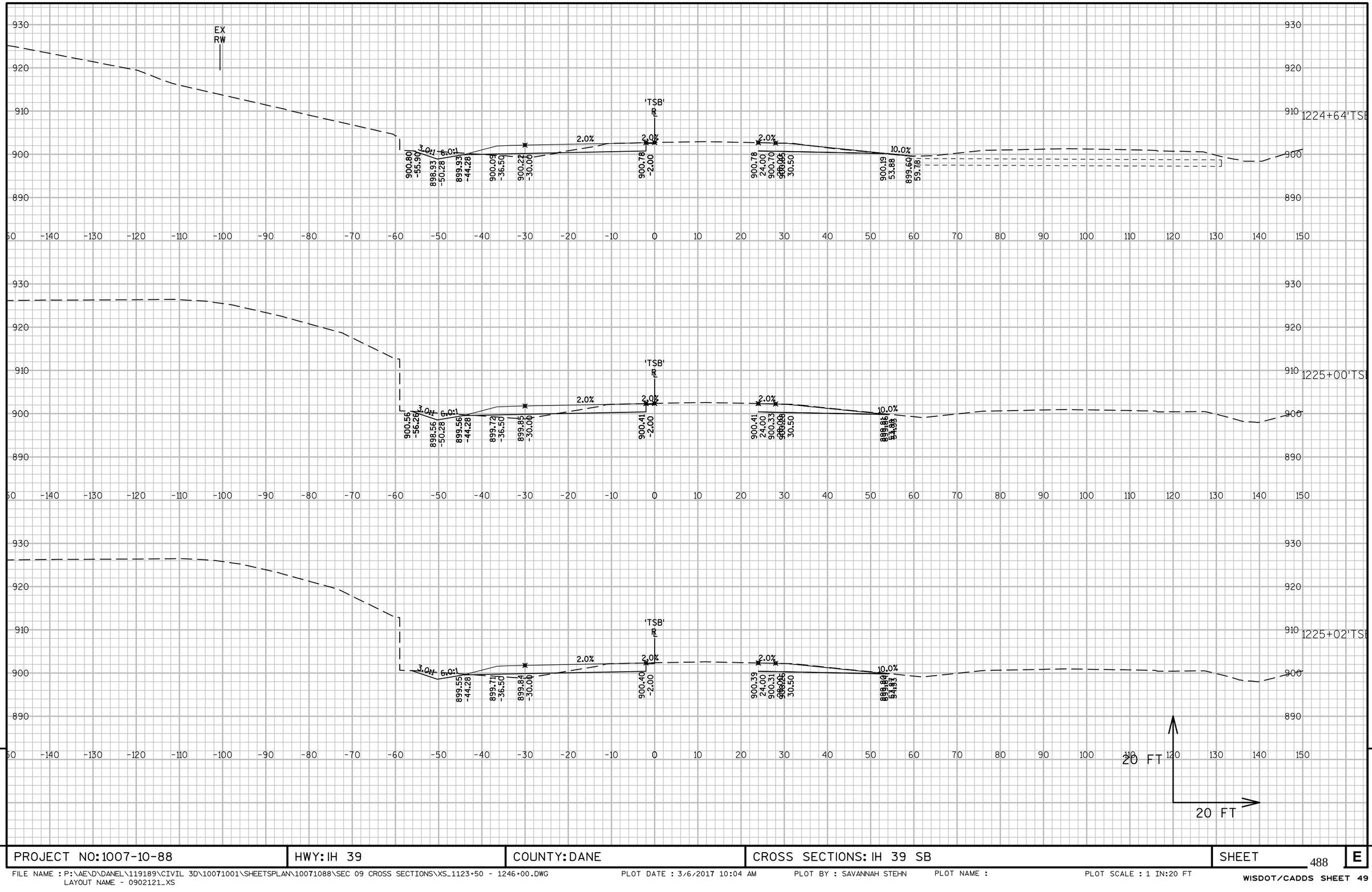
PROJECT NO:1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 487	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\XS_1123+50 - 1246+00.DWG
LAYOUT NAME - 0902120_XS

PLOT DATE : 3/6/2017 10:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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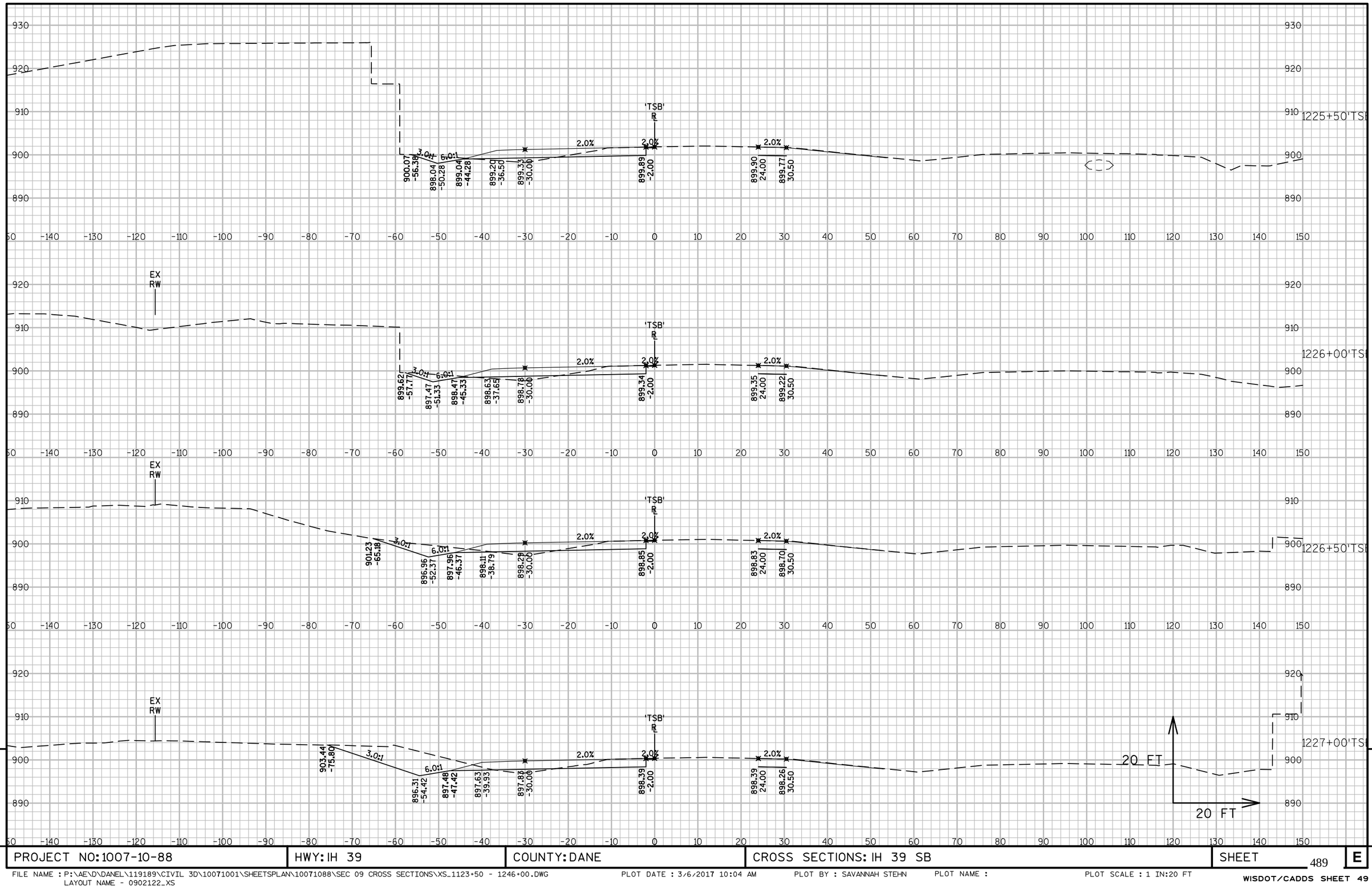
9

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 488	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\XS_1123+50 - 1246+00.DWG
LAYOUT NAME - 0902121_XS

PLOT DATE : 3/6/2017 10:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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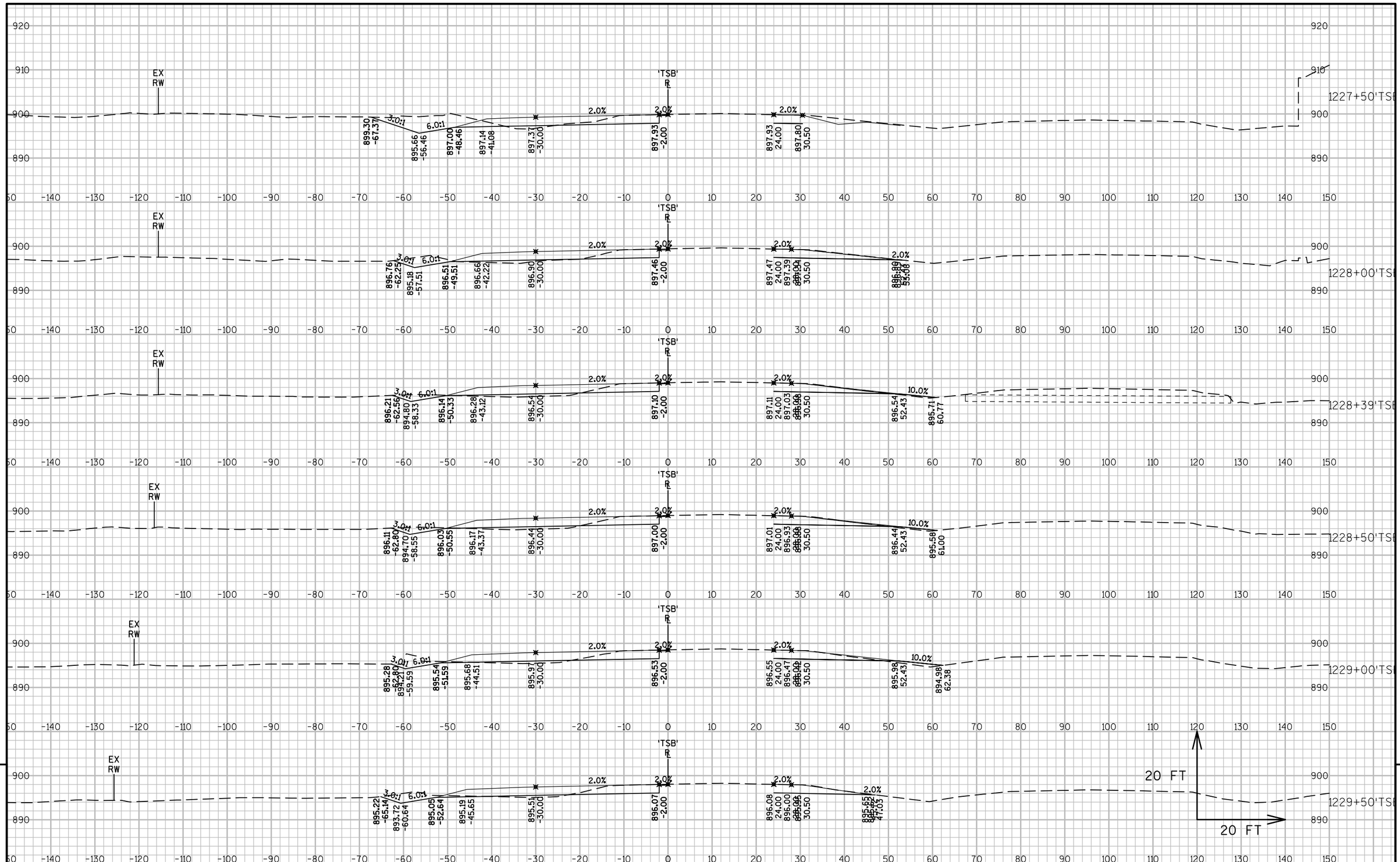
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 489	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\XS_1123+50 - 1246+00.DWG
LAYOUT NAME - 0902122_XS

PLOT DATE : 3/6/2017 10:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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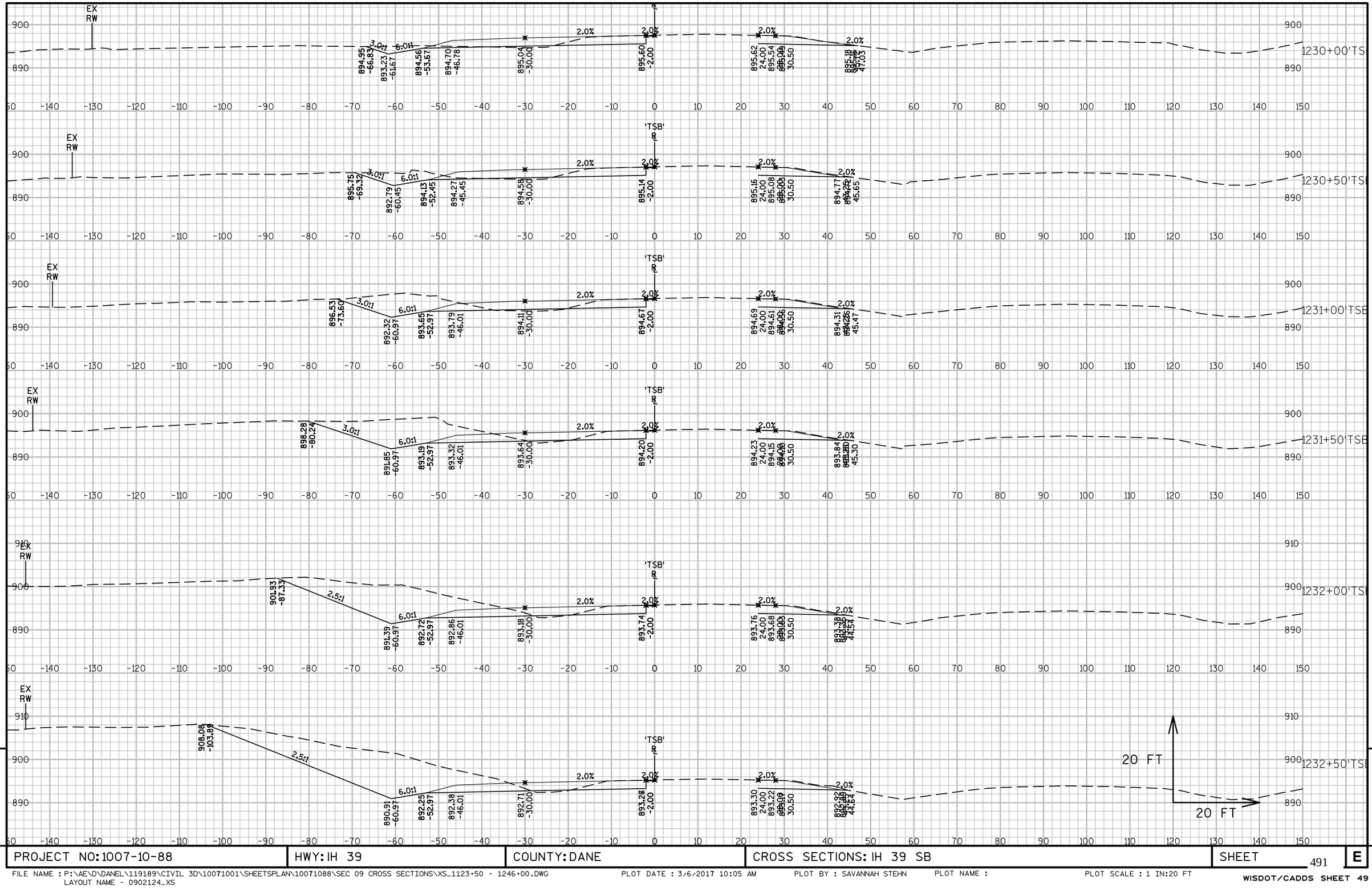
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 490	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\XS_1123+50 - 1246+00.DWG
LAYOUT NAME - 0902123_XS
PLOT DATE : 3/6/2017 10:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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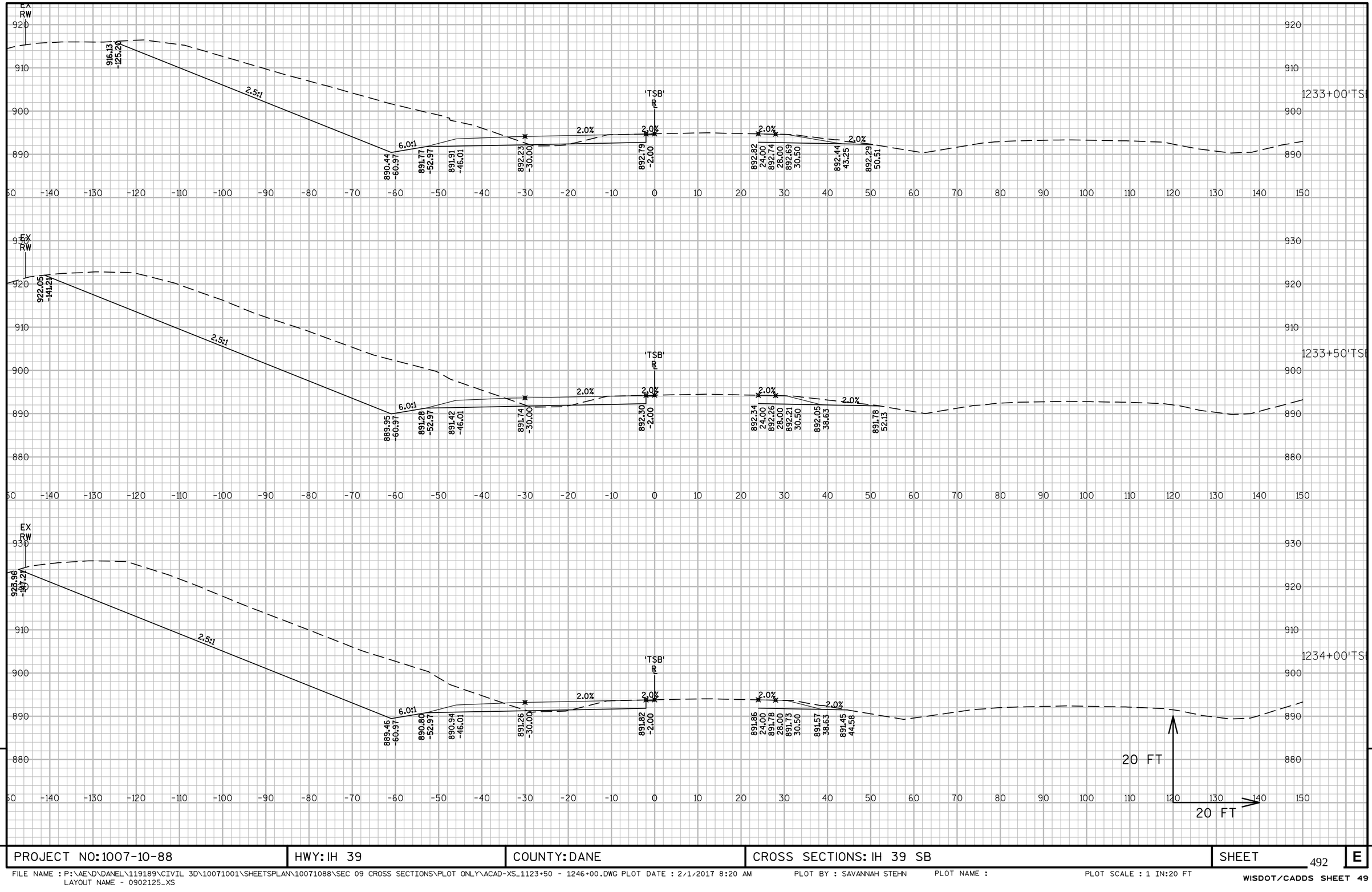
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 491	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\XS_1123+50 - 1246+00.DWG
LAYOUT NAME - 0902124_XS

PLOT DATE : 3/6/2017 10:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

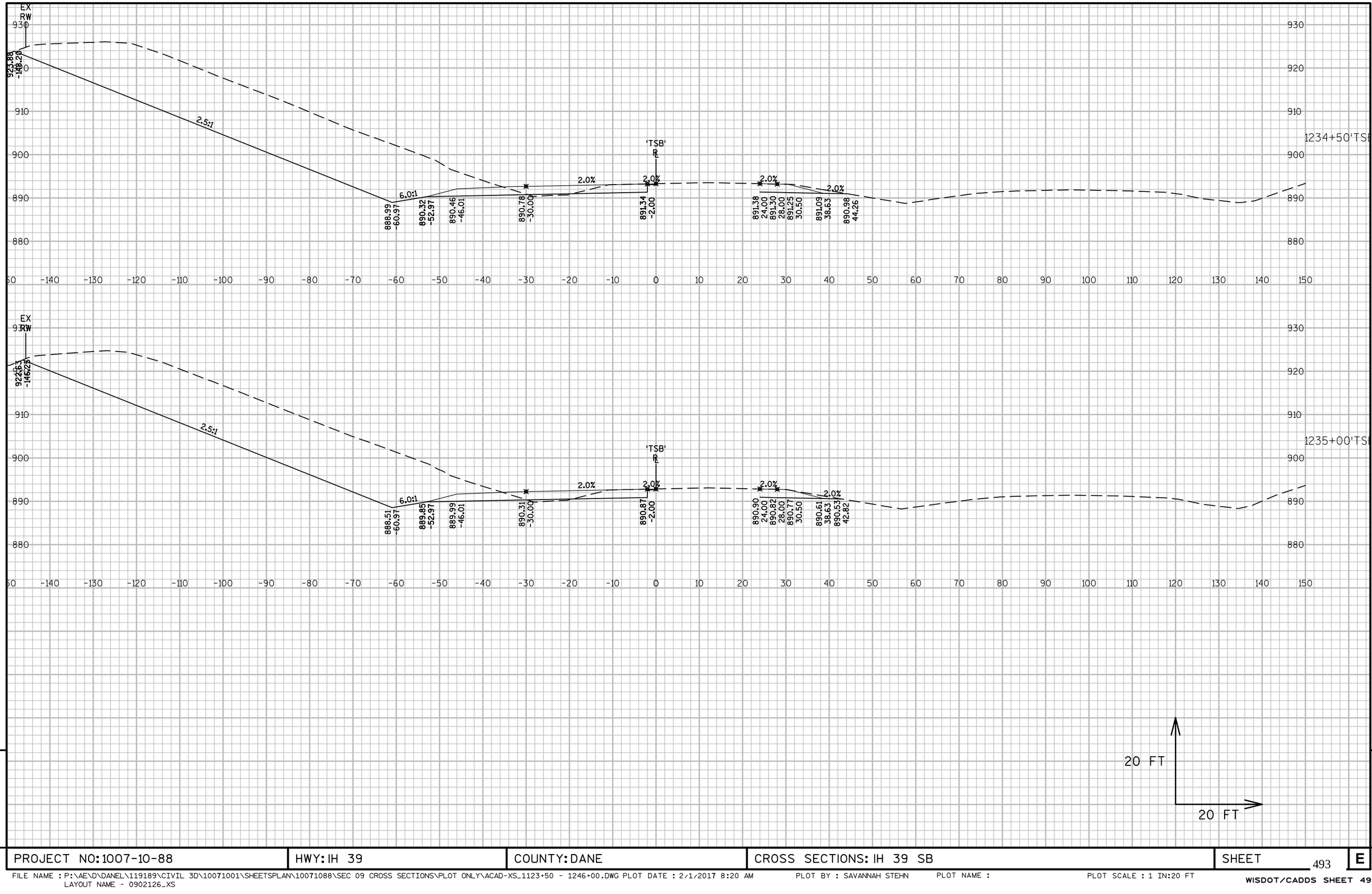


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 492	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:20 AM
LAYOUT NAME - 0902125_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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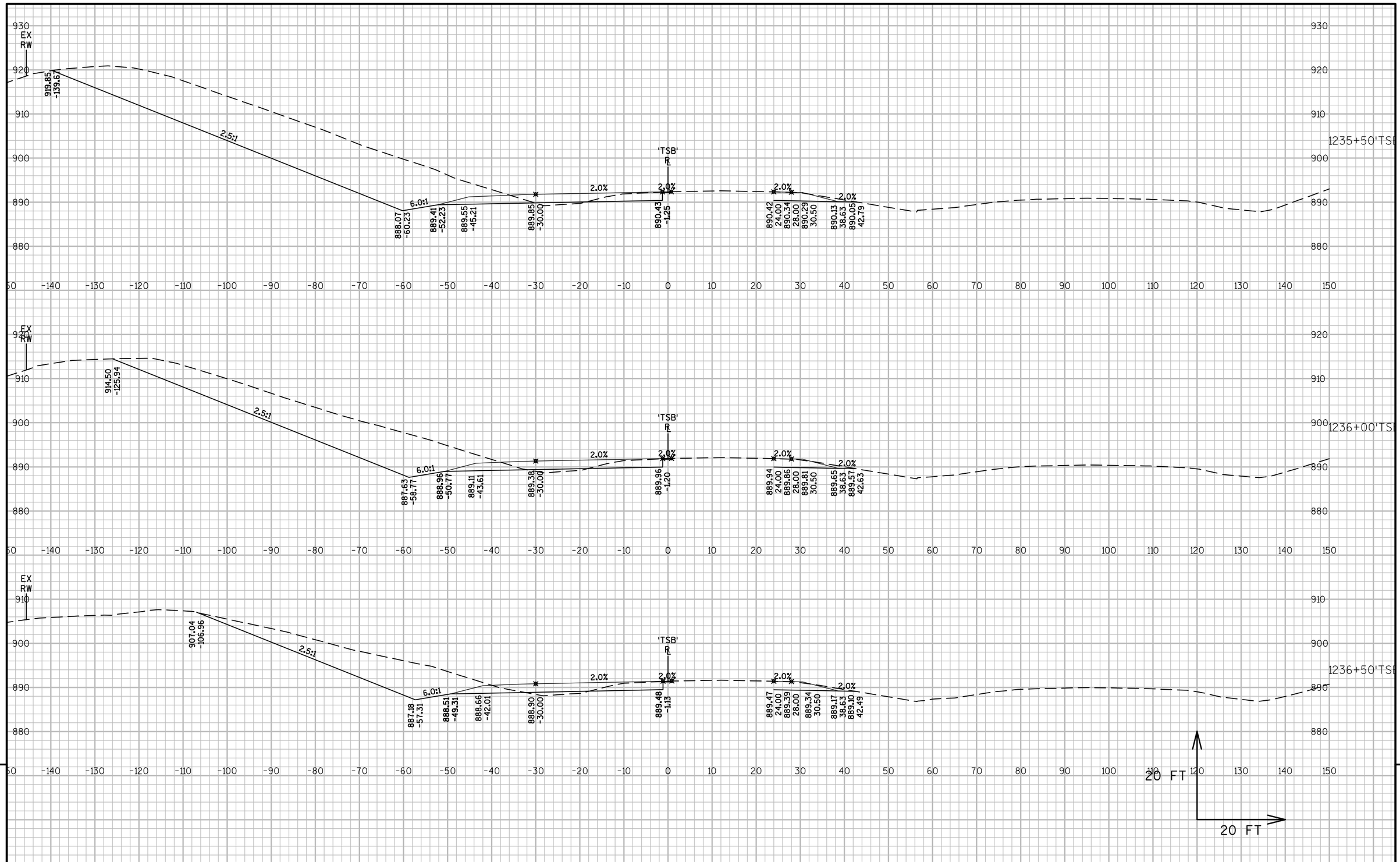
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 493	E

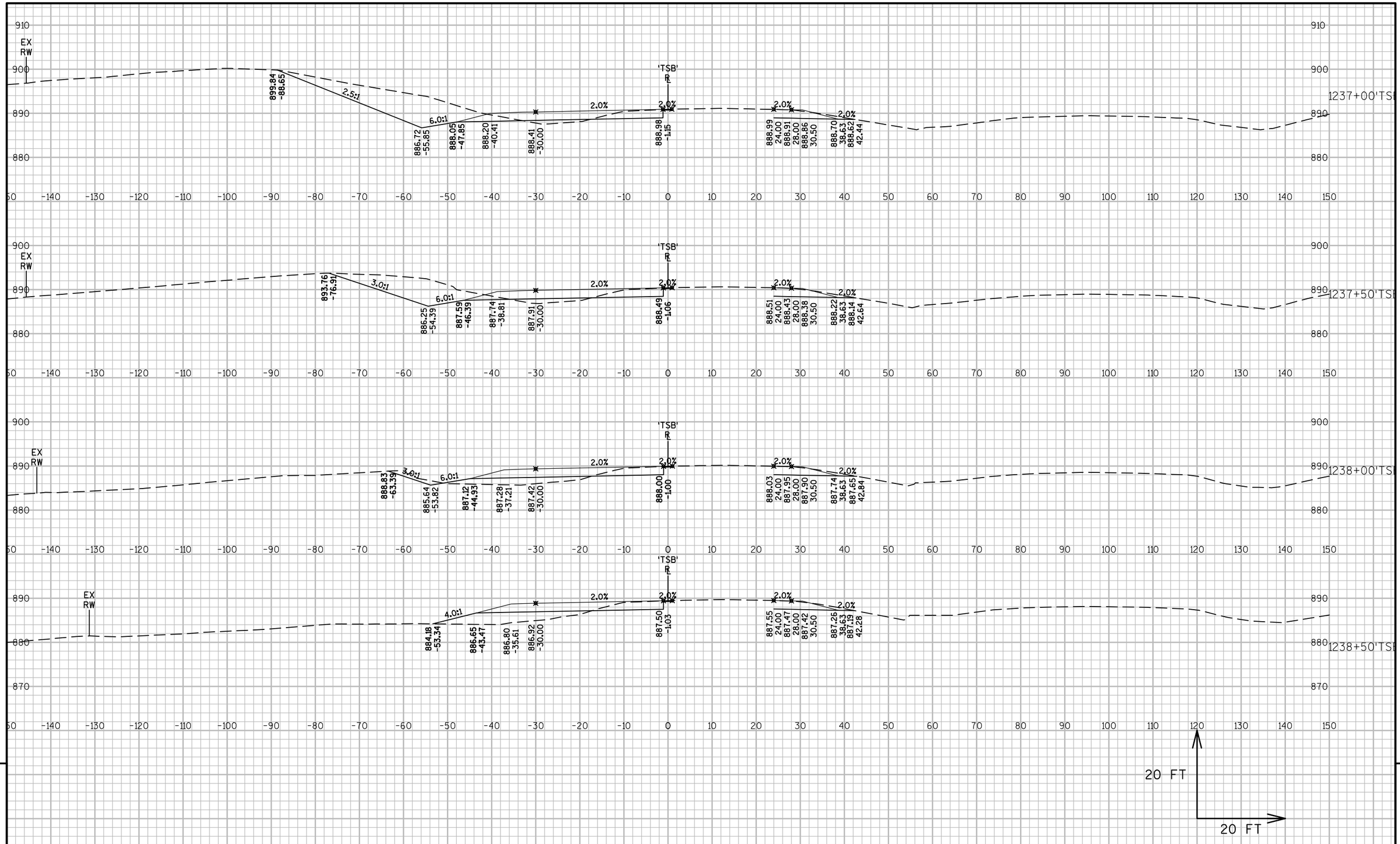
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:20 AM
LAYOUT NAME - 0902126_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 494	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:20 AM
LAYOUT NAME - 0902127_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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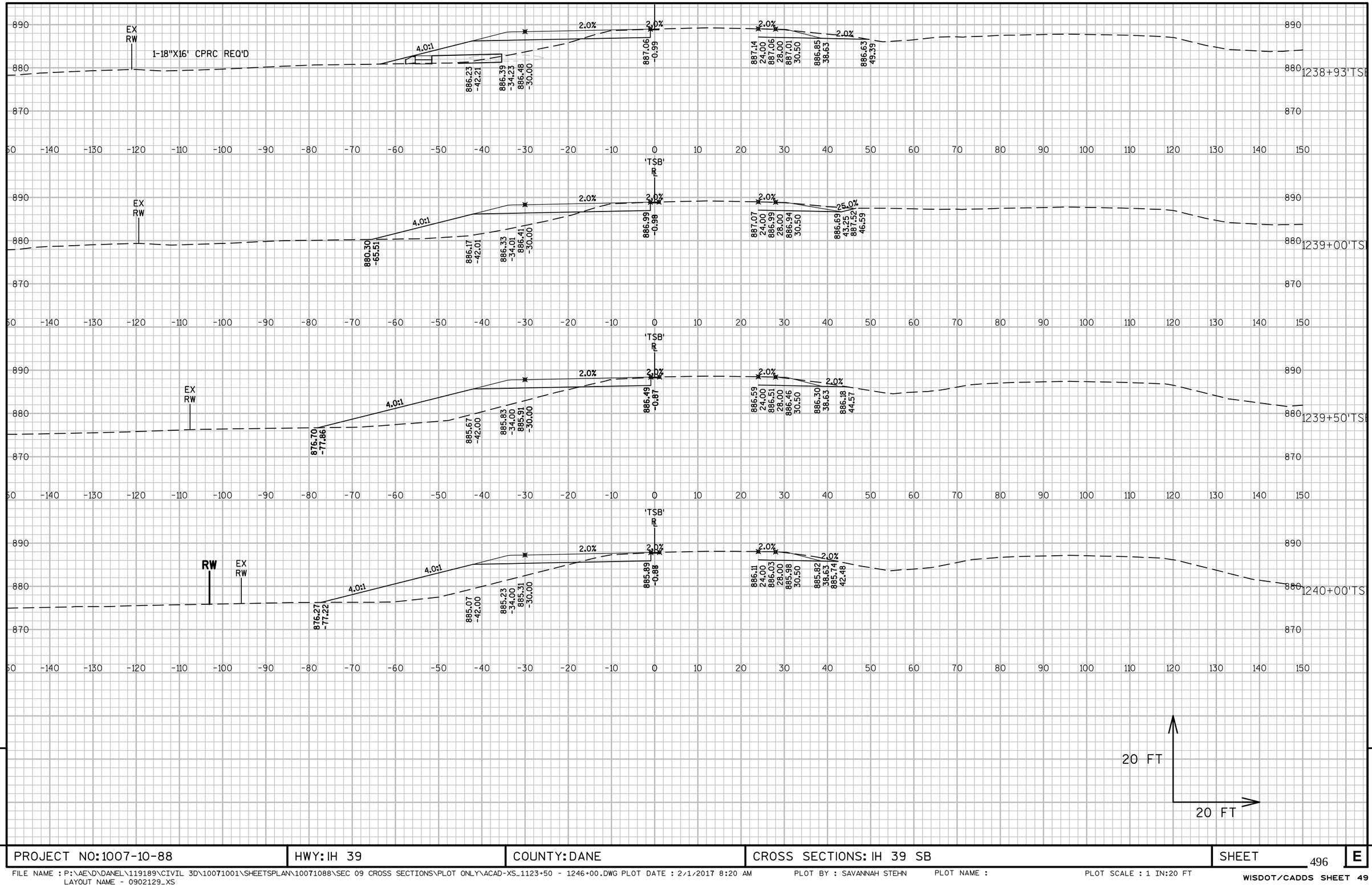
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 495	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:20 AM
LAYOUT NAME - 0902128_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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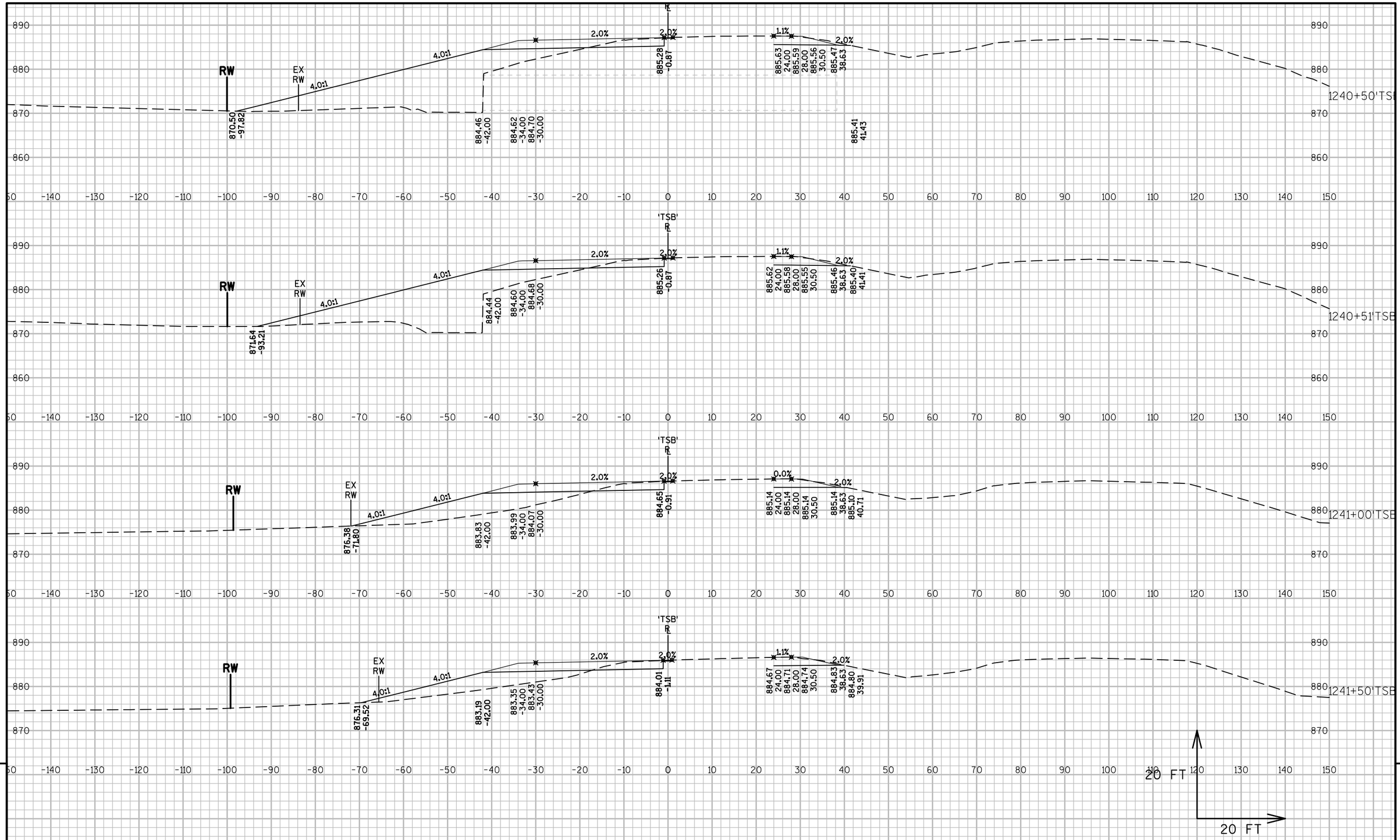
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 496	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:20 AM
LAYOUT NAME - 0902129_XS
PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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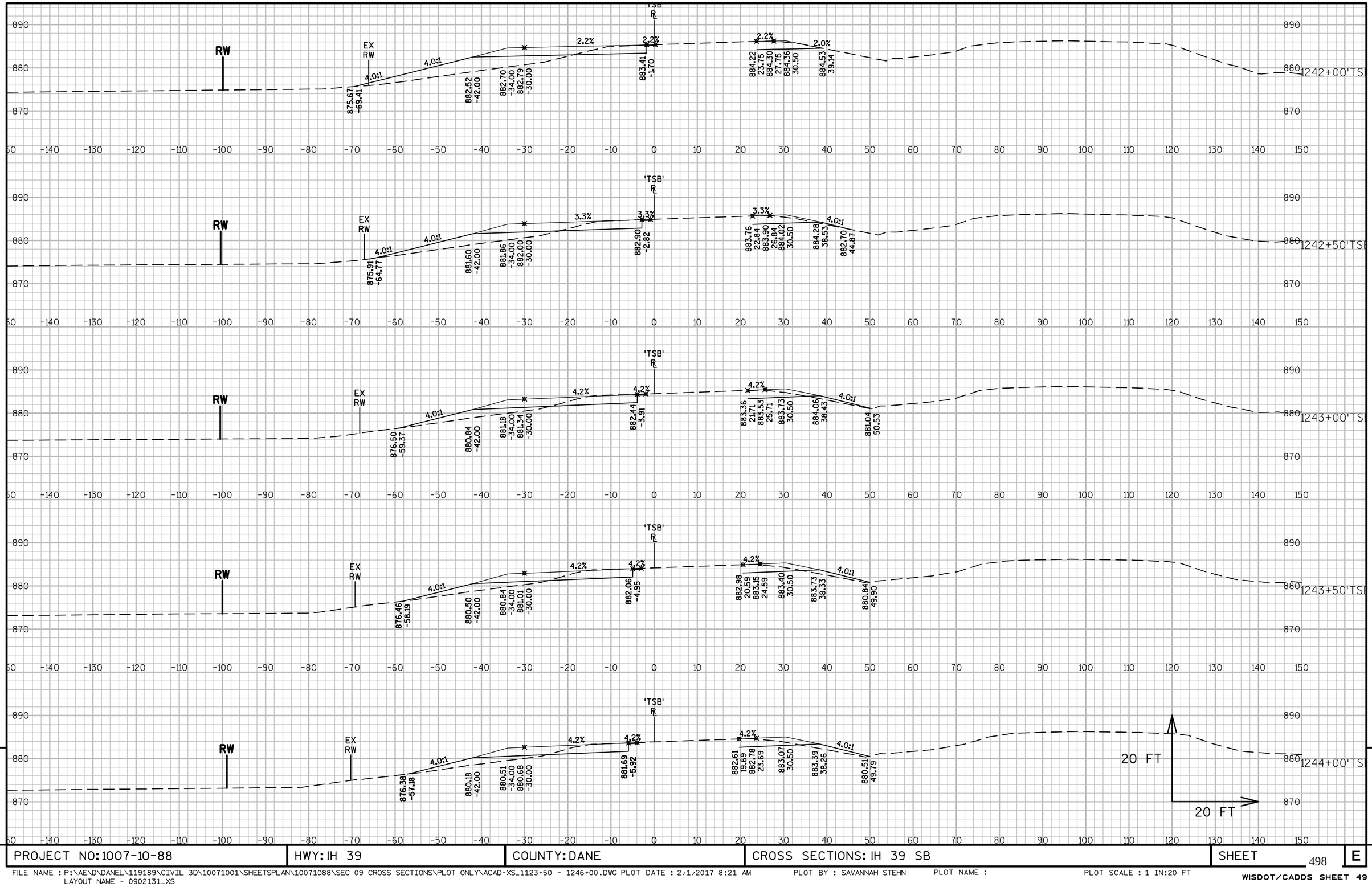
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 497	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:20 AM
LAYOUT NAME - 0902130_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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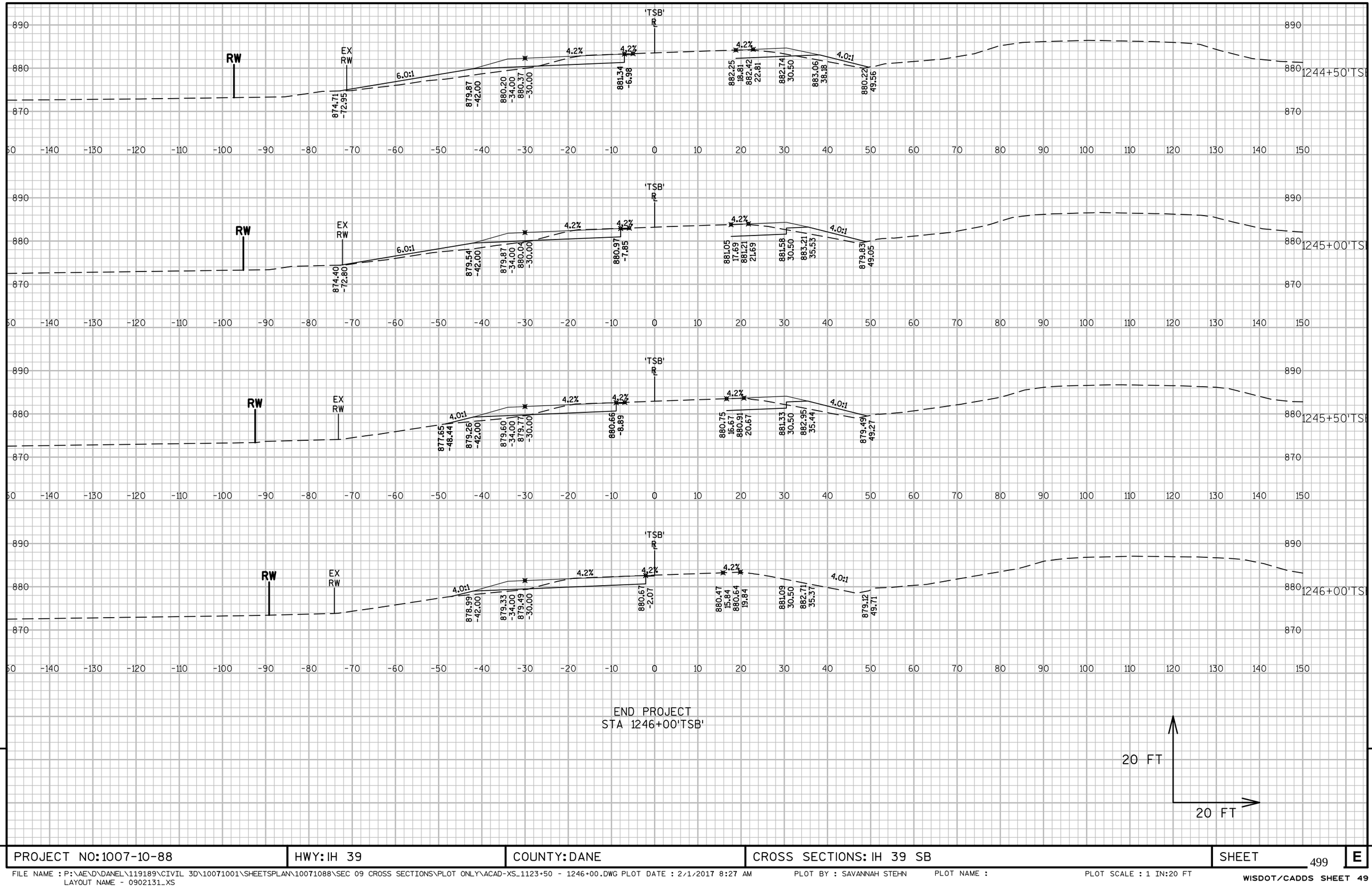
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 498	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_1123+50 - 1246+00.DWG PLOT DATE : 2/1/2017 8:21 AM
LAYOUT NAME - 0902131_XS

PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



END PROJECT
STA 1246+00'TSB'

20 FT
20 FT

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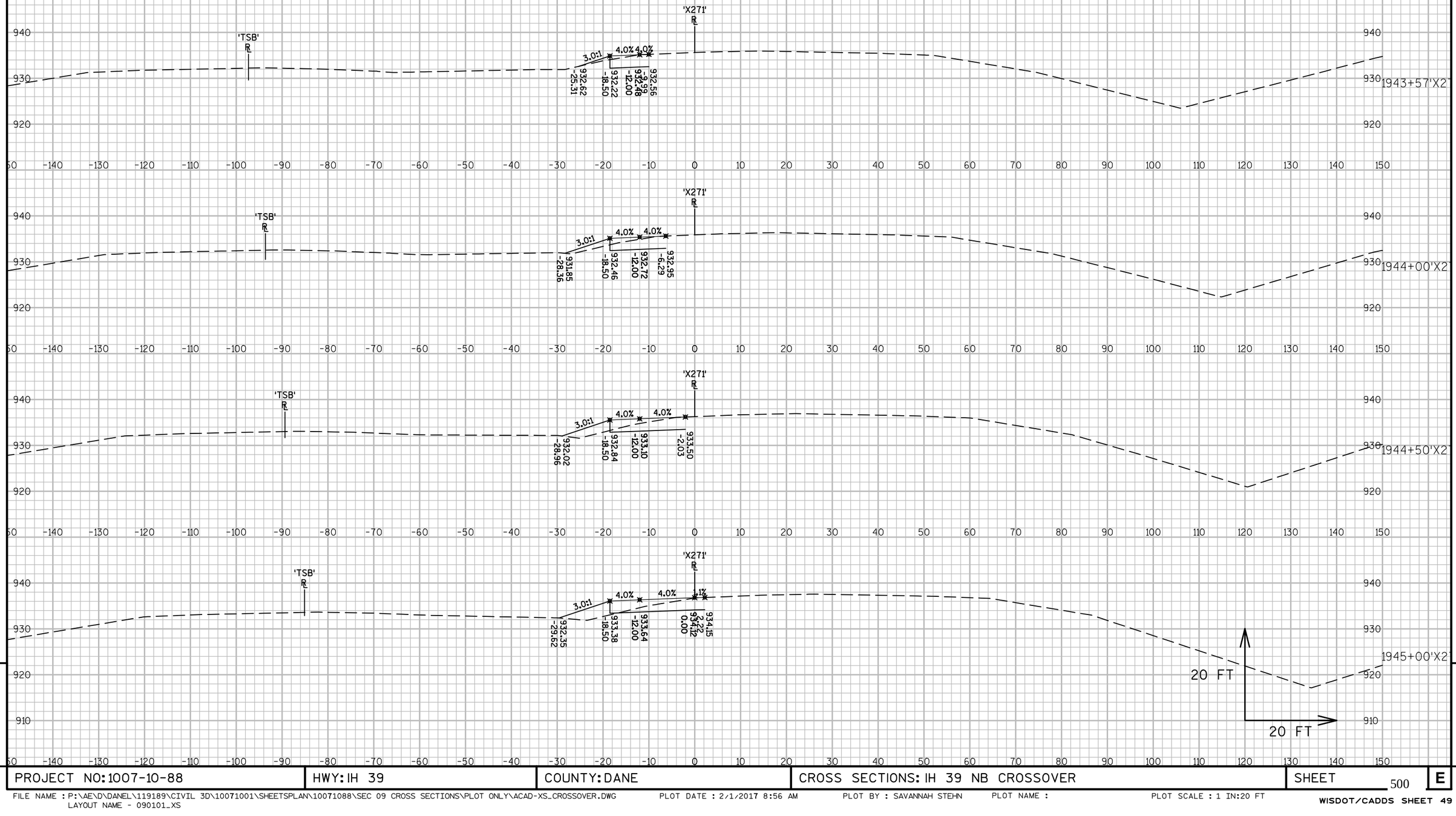
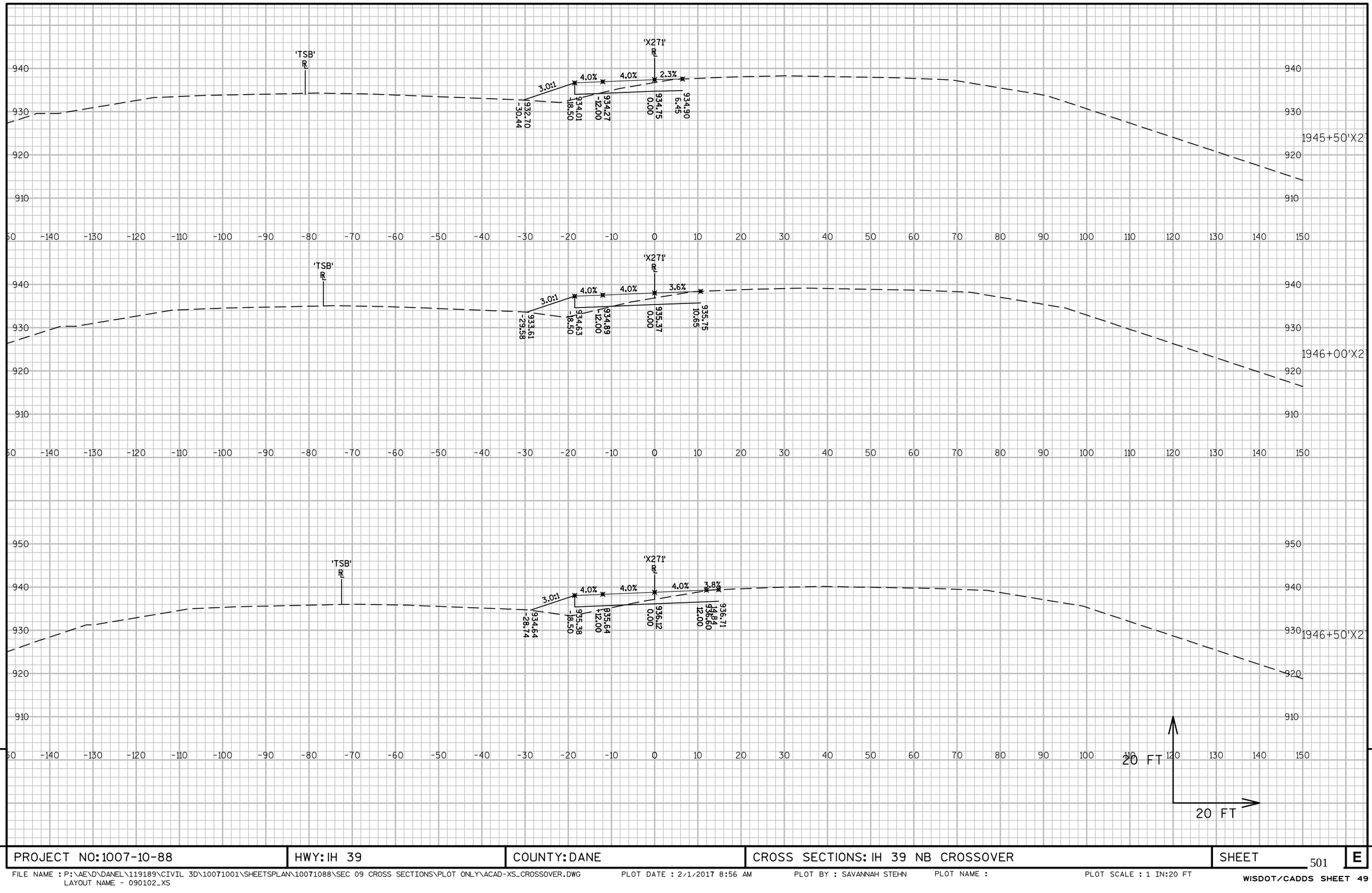
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 499	E

BEGIN CONSTRUCTION
STA 1942+58'X271'



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 500 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CROSSOVER.DWG
LAYOUT NAME - 090101_XS
PLOT DATE : 2/1/2017 8:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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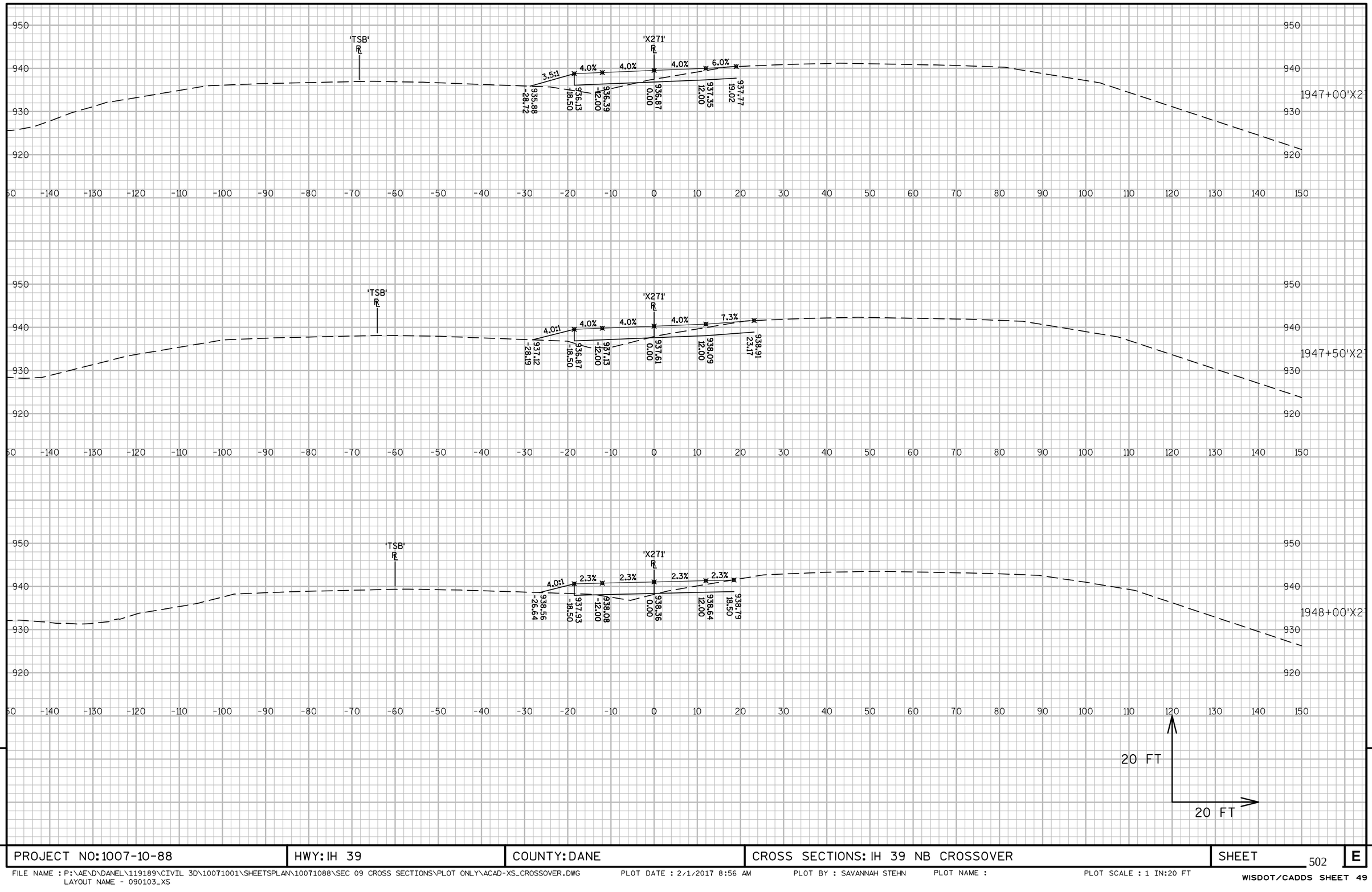
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 501	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CROSSOVER.DWG
LAYOUT NAME - 090102_XS

PLOT DATE : 2/1/2017 8:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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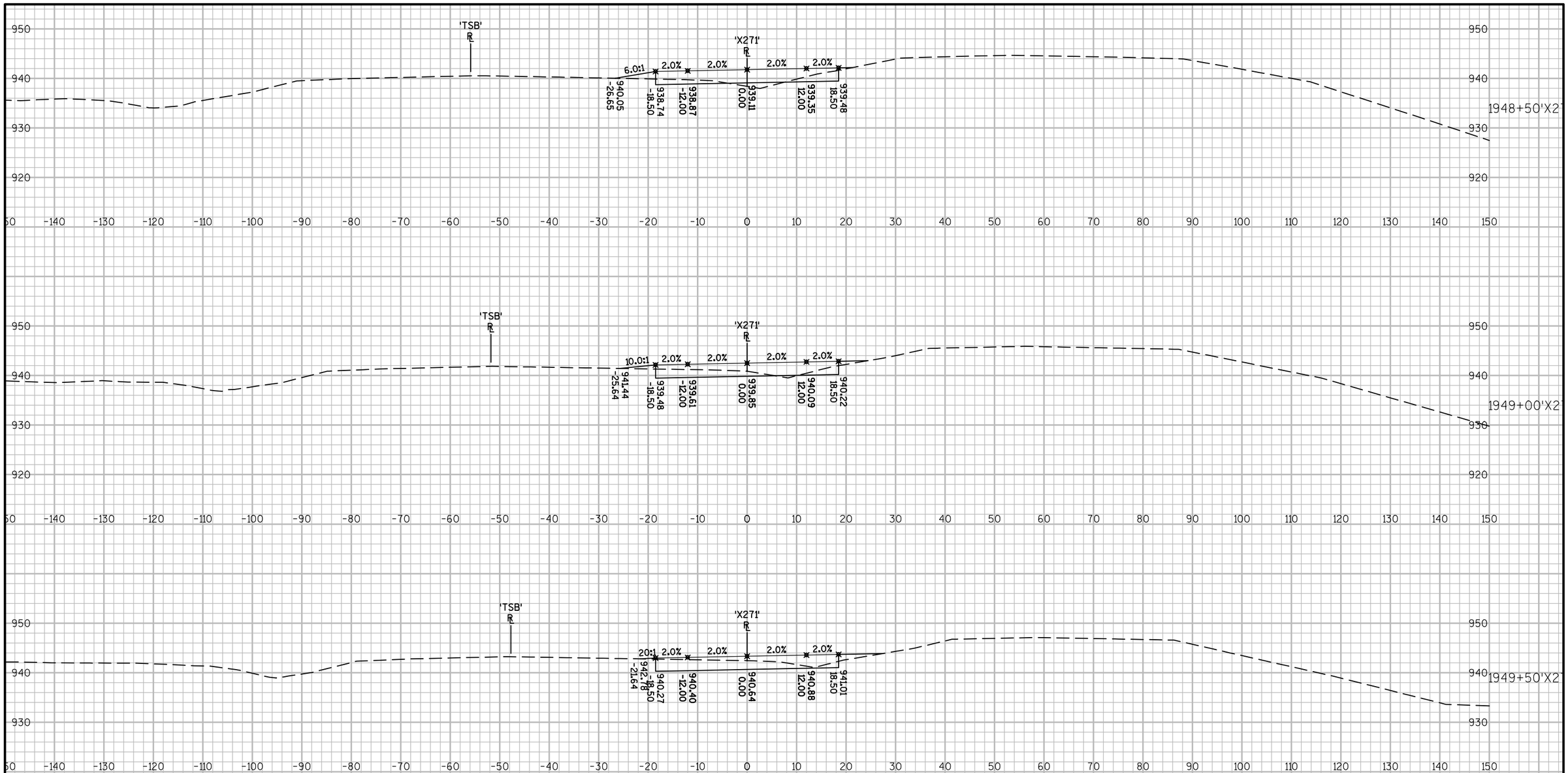
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 502	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CROSSOVER.DWG
LAYOUT NAME - 090103_XS
PLOT DATE : 2/1/2017 8:56 AM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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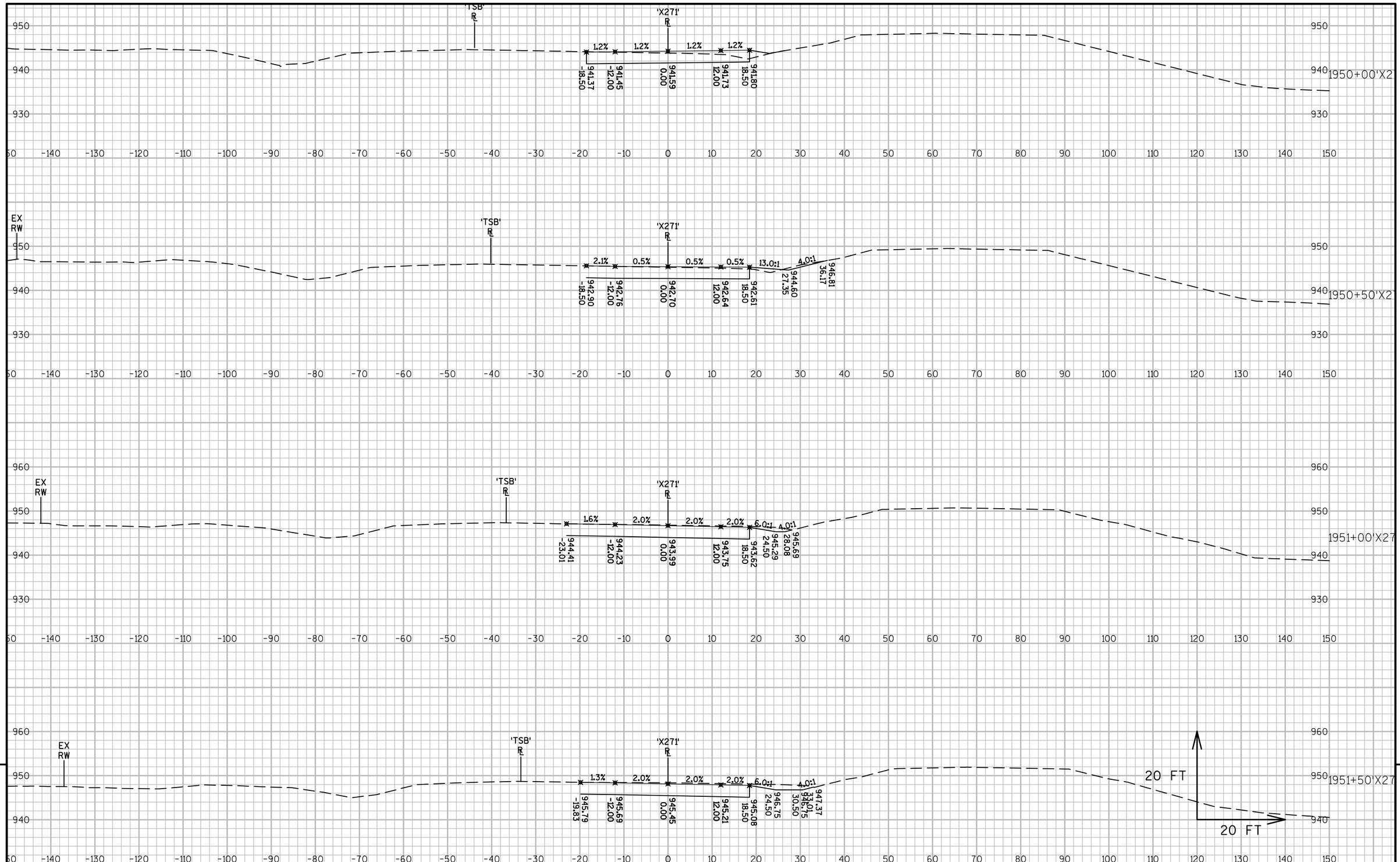
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 503	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CROSSOVER.DWG
LAYOUT NAME - 090104_XS
PLOT DATE : 2/1/2017 8:56 AM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49

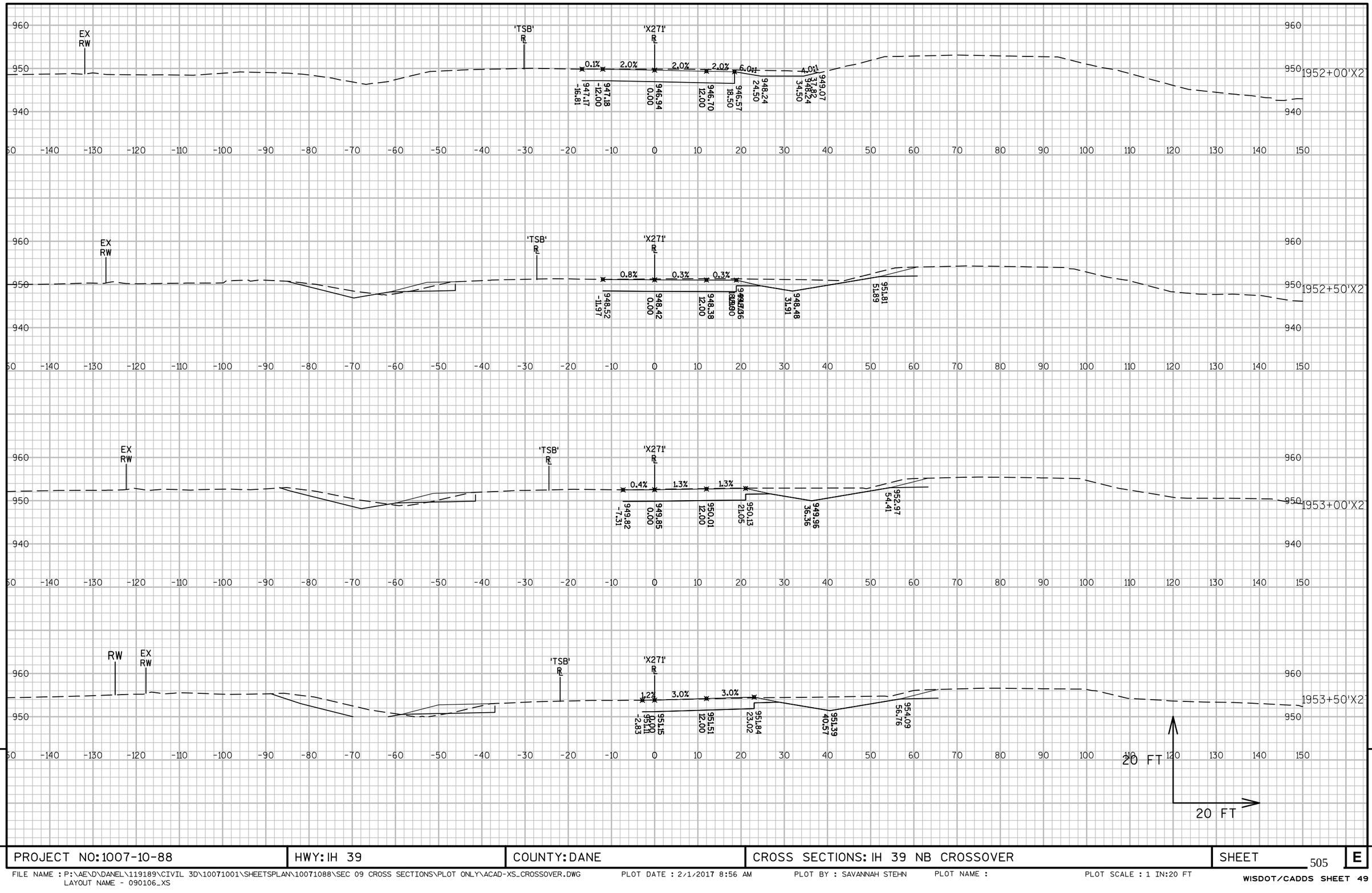


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 504 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CROSSOVER.DWG
LAYOUT NAME - 090105_XS

PLOT DATE : 2/1/2017 8:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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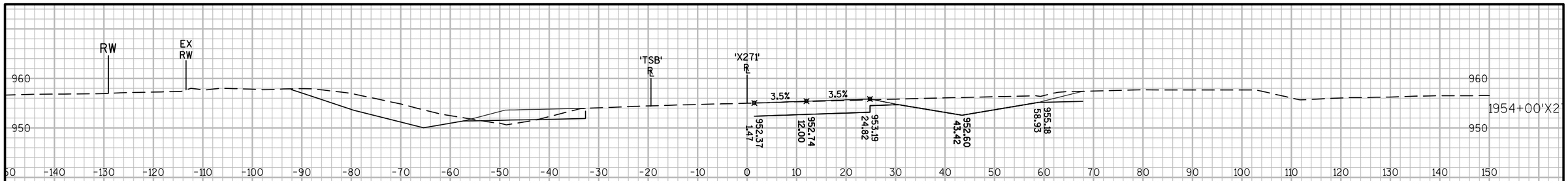
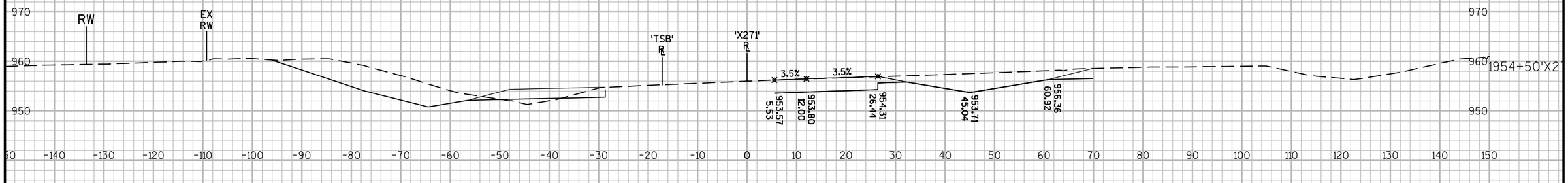
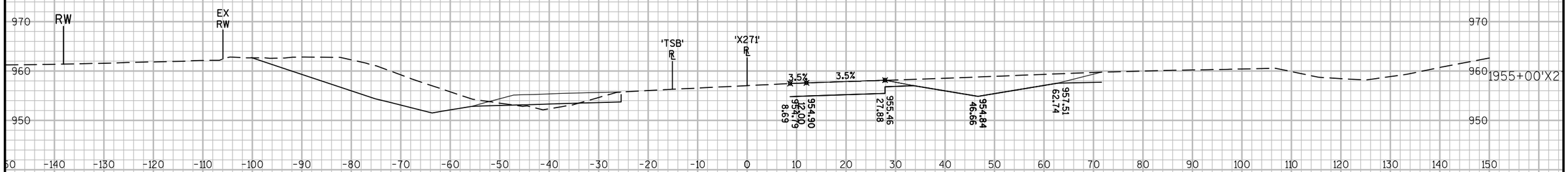
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 505	E

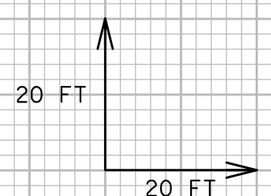
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CROSSOVER.DWG
LAYOUT NAME - 090106_XS
PLOT DATE : 2/1/2017 8:56 AM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49







END CROSSOVER
CONSTRUCTION
STA 1955+00'X271'



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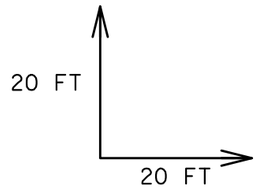
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 506	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CROSSOVER.DWG
LAYOUT NAME - 090107_XS
PLOT DATE : 2/1/2017 8:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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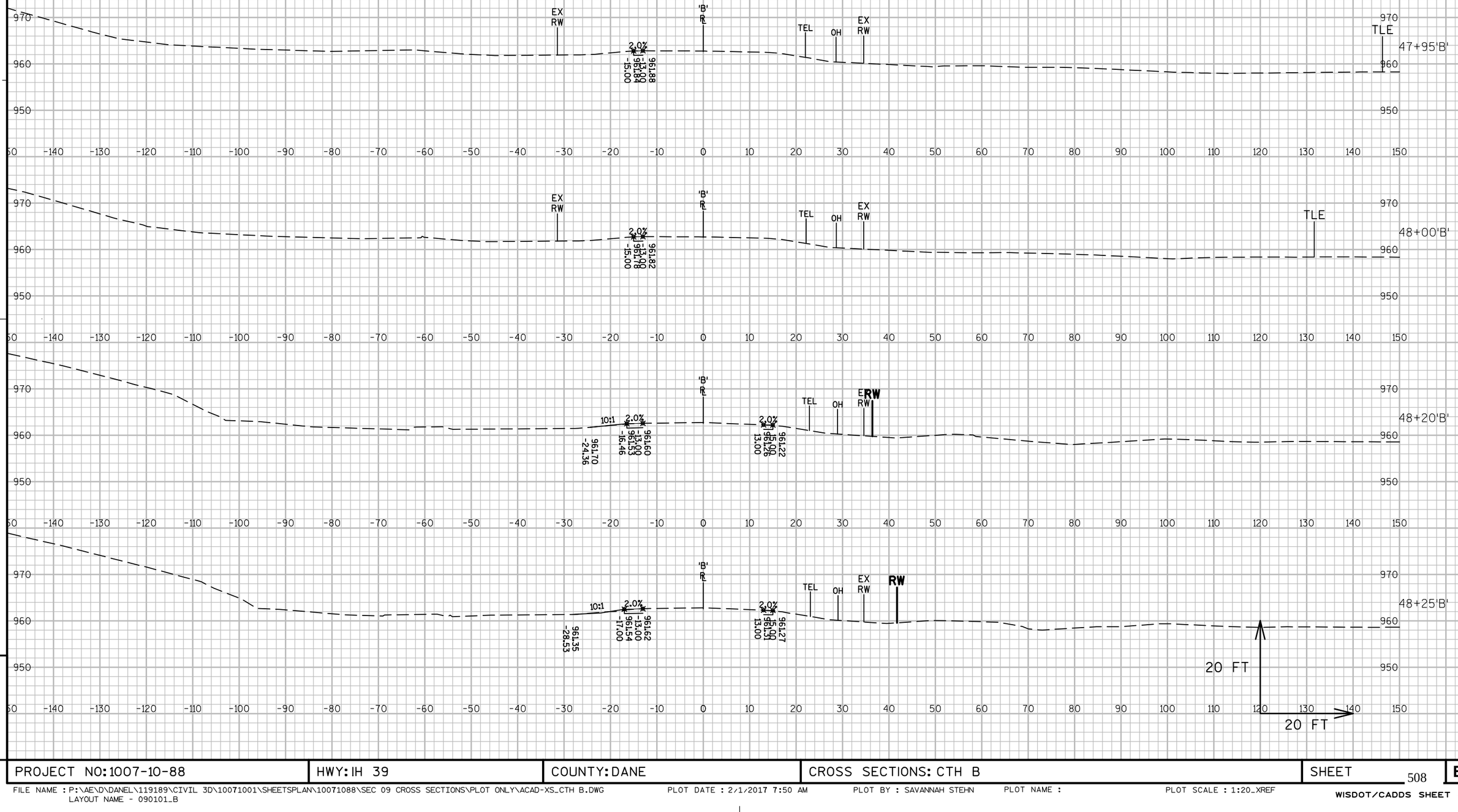
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB CROSSOVER	SHEET 507	E

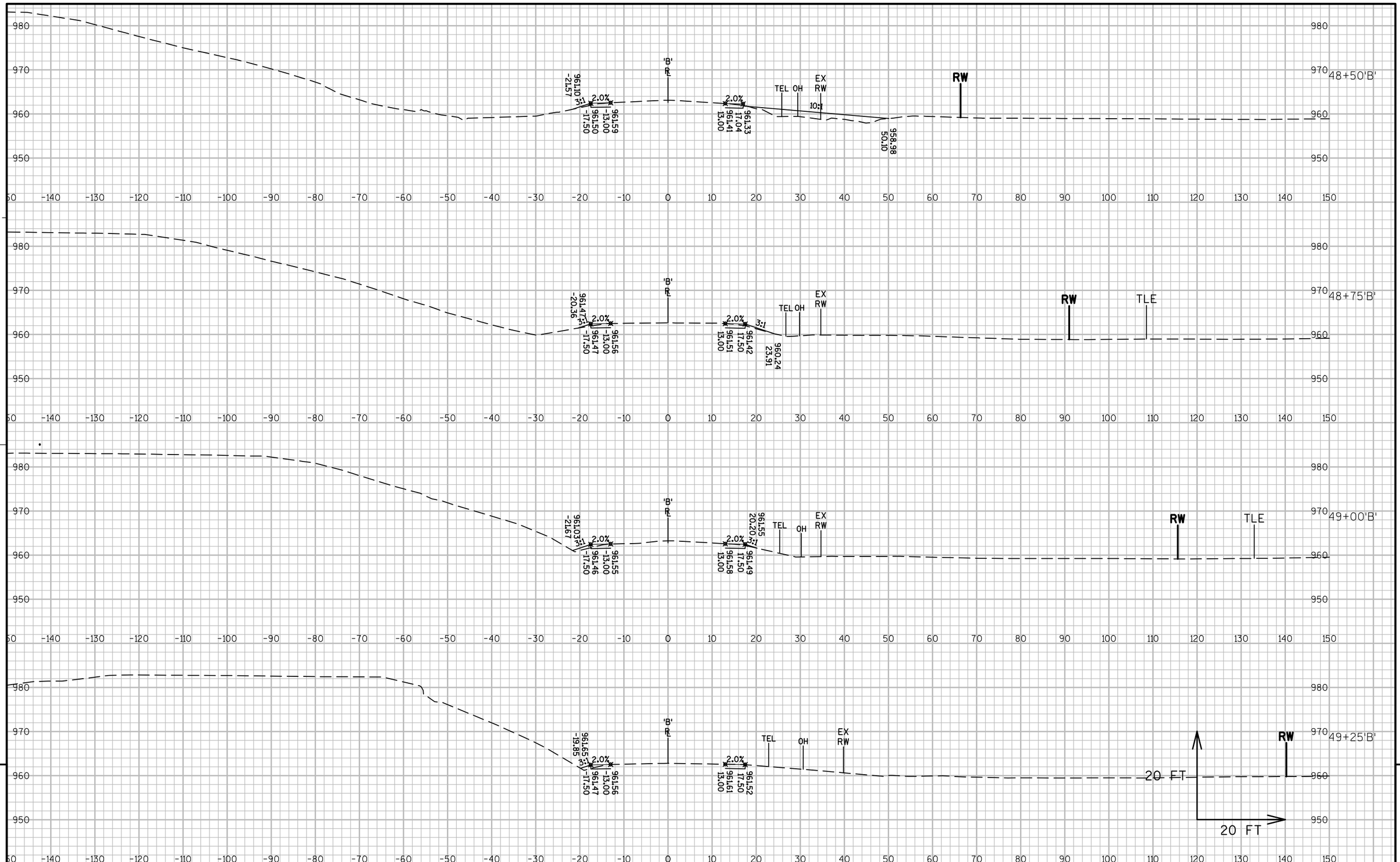
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CROSSOVER.DWG
LAYOUT NAME - 090108_XS
PLOT DATE : 2/1/2017 8:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT

BEGIN CONSTRUCTION
STA 47+95'B'



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH B	SHEET 508	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH B.DWG
LAYOUT NAME - 090101_B
PLOT DATE : 2/1/2017 7:50 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF



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PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH B	SHEET 509	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH B.DWG
LAYOUT NAME - 090102_B
PLOT DATE : 2/1/2017 7:50 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49

49+50'B'

49+75'B'

50+00'B'

50+25'B'

20 FT

20 FT

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH B	SHEET 510	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH B.DWG
LAYOUT NAME - 090103_B

PLOT DATE : 2/1/2017 7:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

50+50'B'

963.03
17.99
2.0%
962.24
17.50
962.33
13.00
962.40
-13.00
962.31
-17.50
962.77
-19.00
2.0%

50+75'B'

963.28
18.35
2.0%
962.60
17.50
962.69
13.00
962.69
-13.00
962.60
-17.50
963.15
-18.75
2.0%

51+00'B'

963.33
19.40
2.0%
963.00
17.50
963.09
13.00
963.04
-12.99
962.95
-17.50
963.39
-19.06
2.0%

51+25'B'

963.57
19.42
2.0%
963.25
17.50
963.34
13.00
963.38
-12.99
963.29
-17.50
963.63
-19.37
2.0%

51+50'B'

963.94
19.06
2.0%
963.50
17.50
963.59
13.00
963.58
-12.99
963.49
-17.50
963.75
-19.62
2.0%

EX
RW

OH

20 FT
20 FT

9

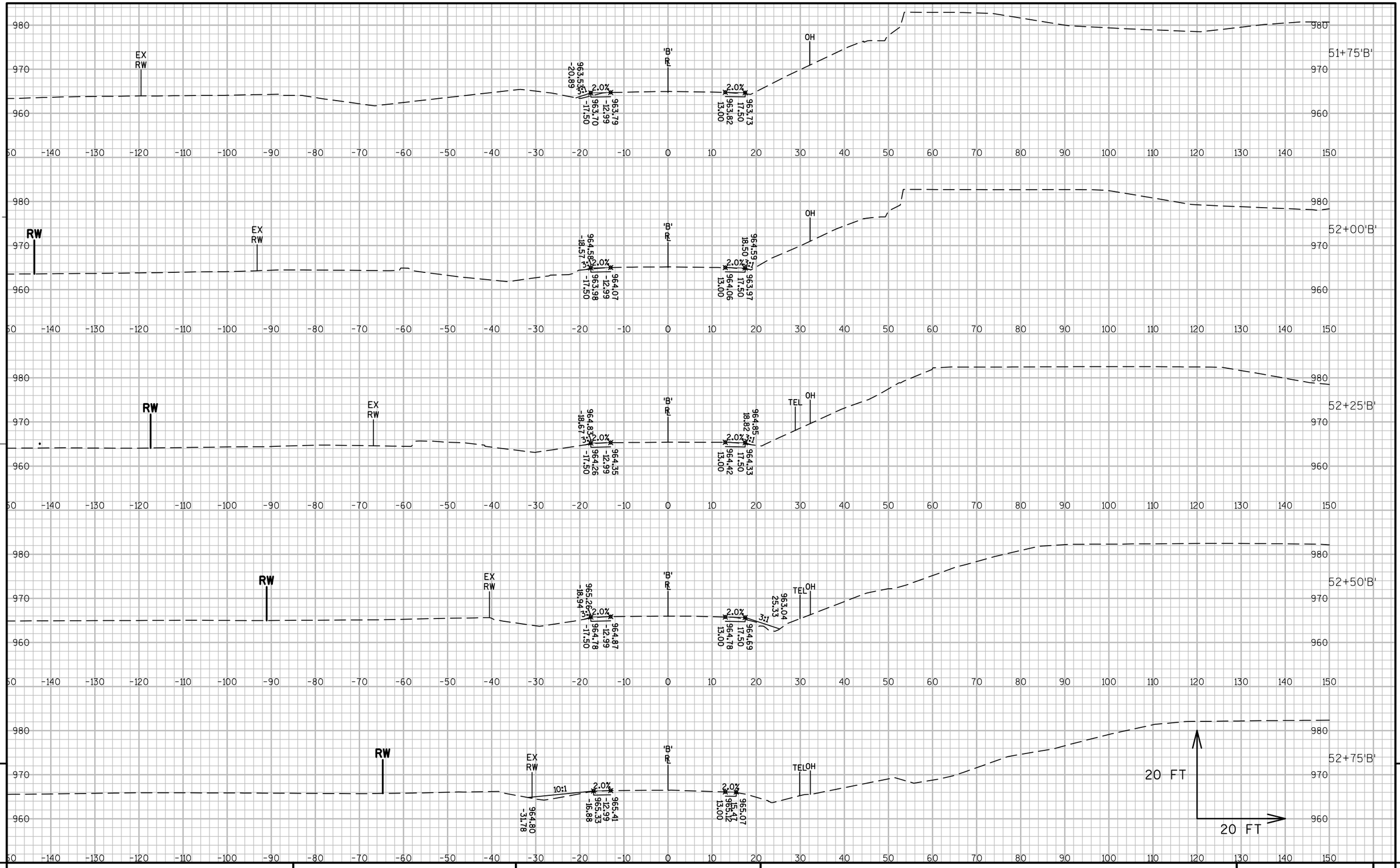
9

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH B	SHEET 511	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH B.DWG
LAYOUT NAME - 090104_B

PLOT DATE : 2/1/2017 7:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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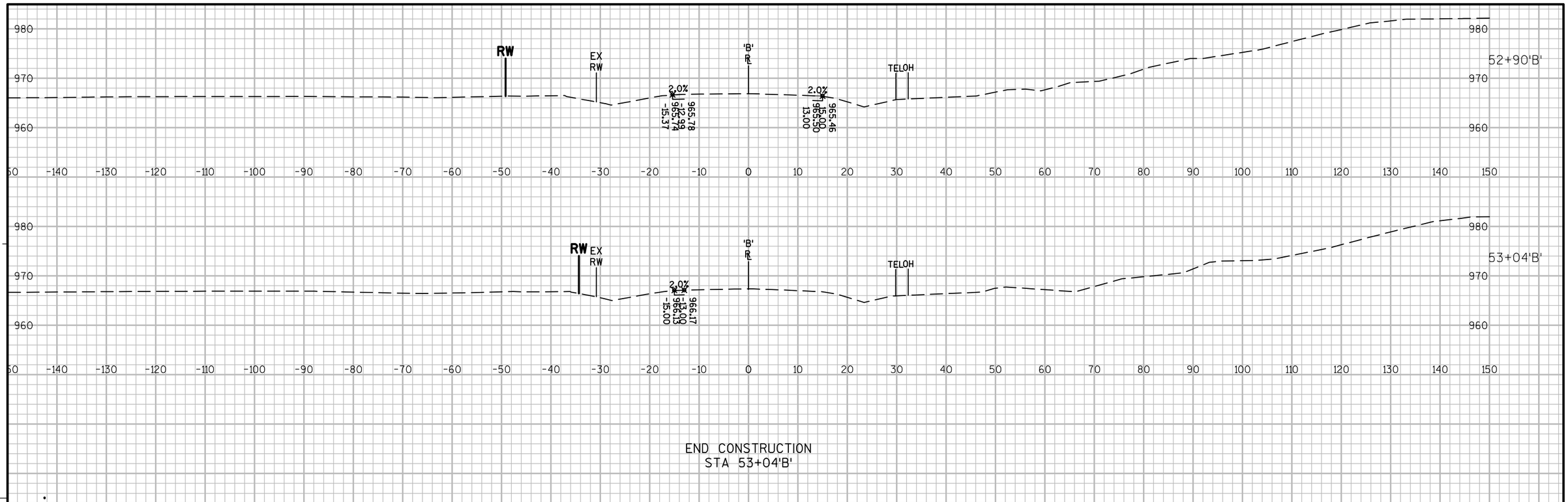
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH B	SHEET 512	E

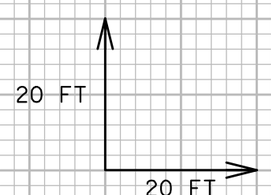
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH B.DWG
LAYOUT NAME - 090105_B

PLOT DATE : 2/1/2017 7:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



END CONSTRUCTION
STA 53+04'B'



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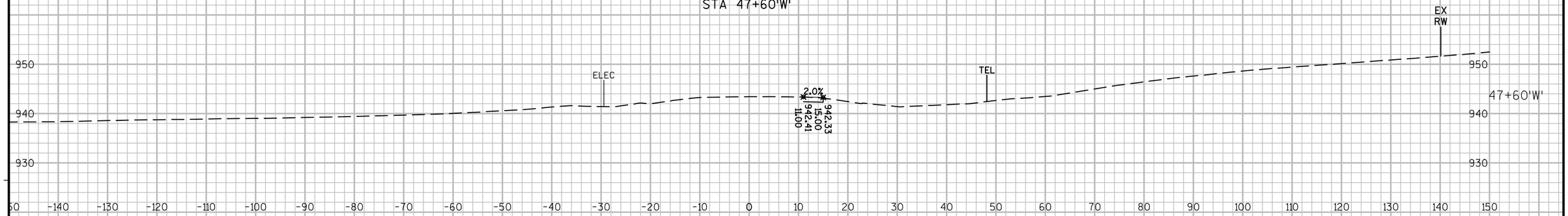
9

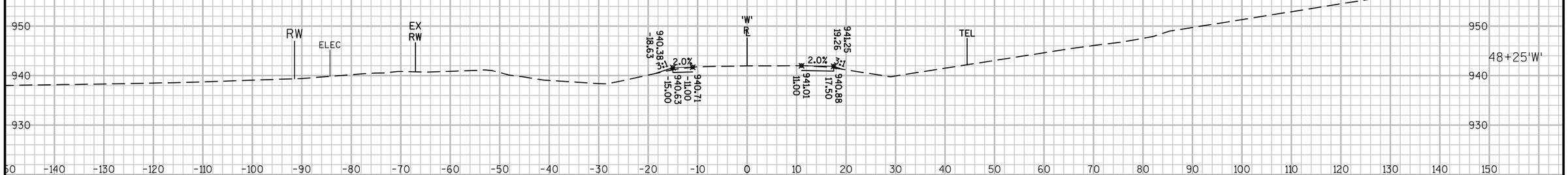
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH B	SHEET 513	E

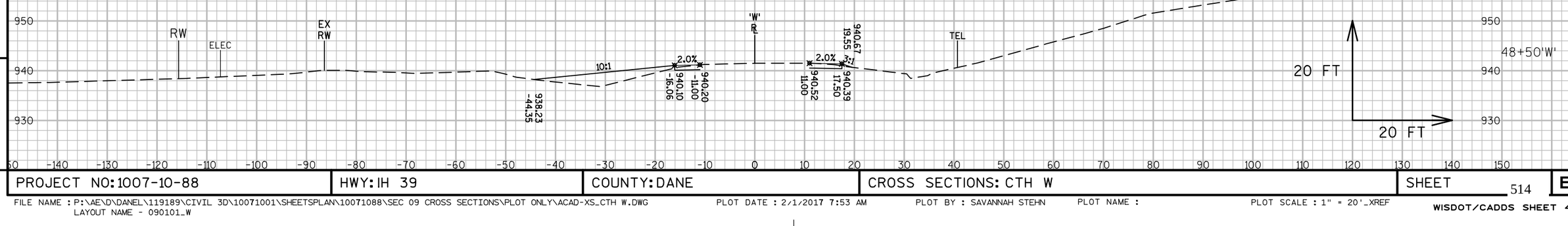
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH B.DWG
LAYOUT NAME - 090106_B
PLOT DATE : 2/1/2017 7:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49

BEGIN CONSTRUCTION
STA 47+60'W'







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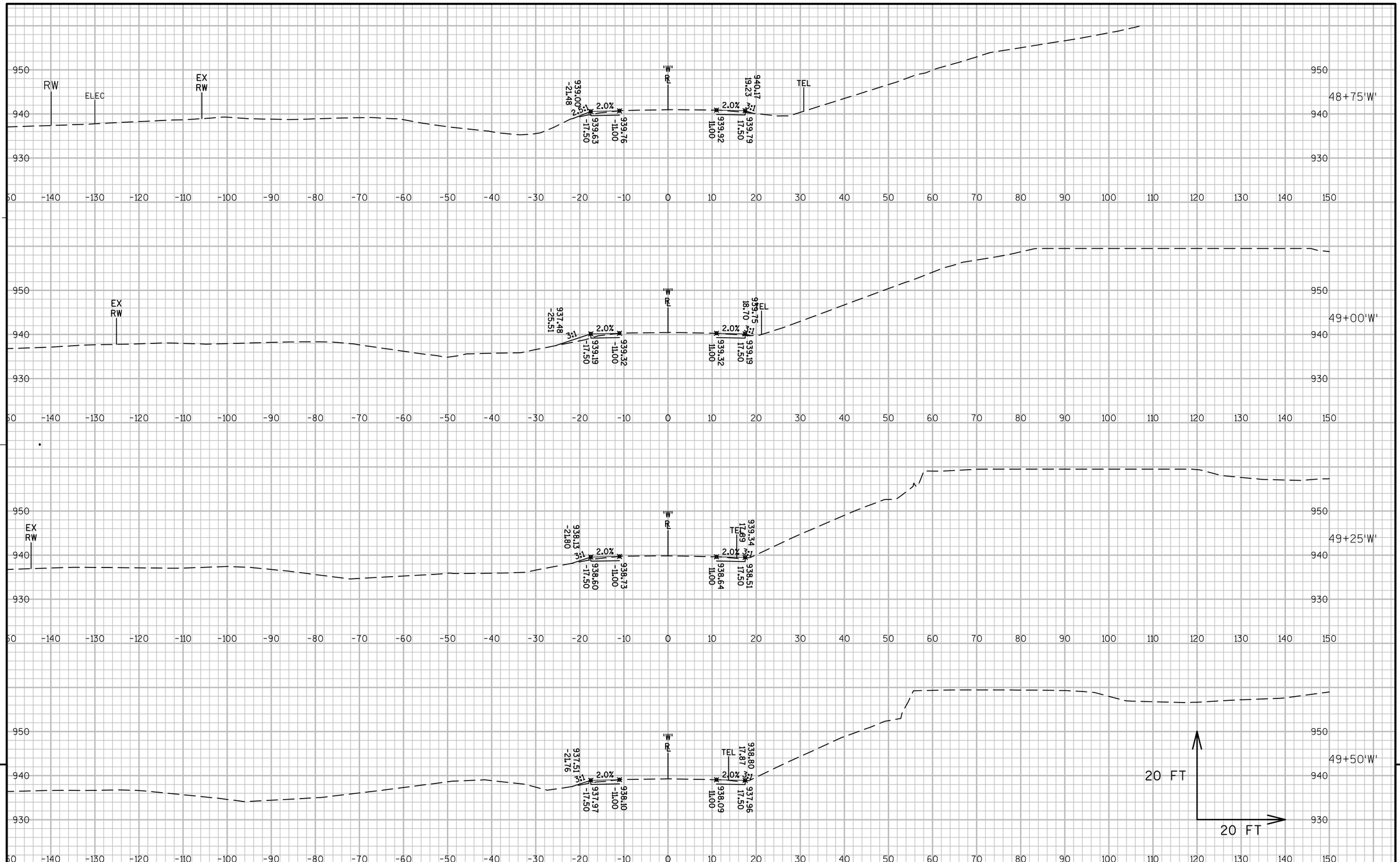
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH W	SHEET 514	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH W.DWG
LAYOUT NAME - 090101_W

PLOT DATE : 2/1/2017 7:53 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49

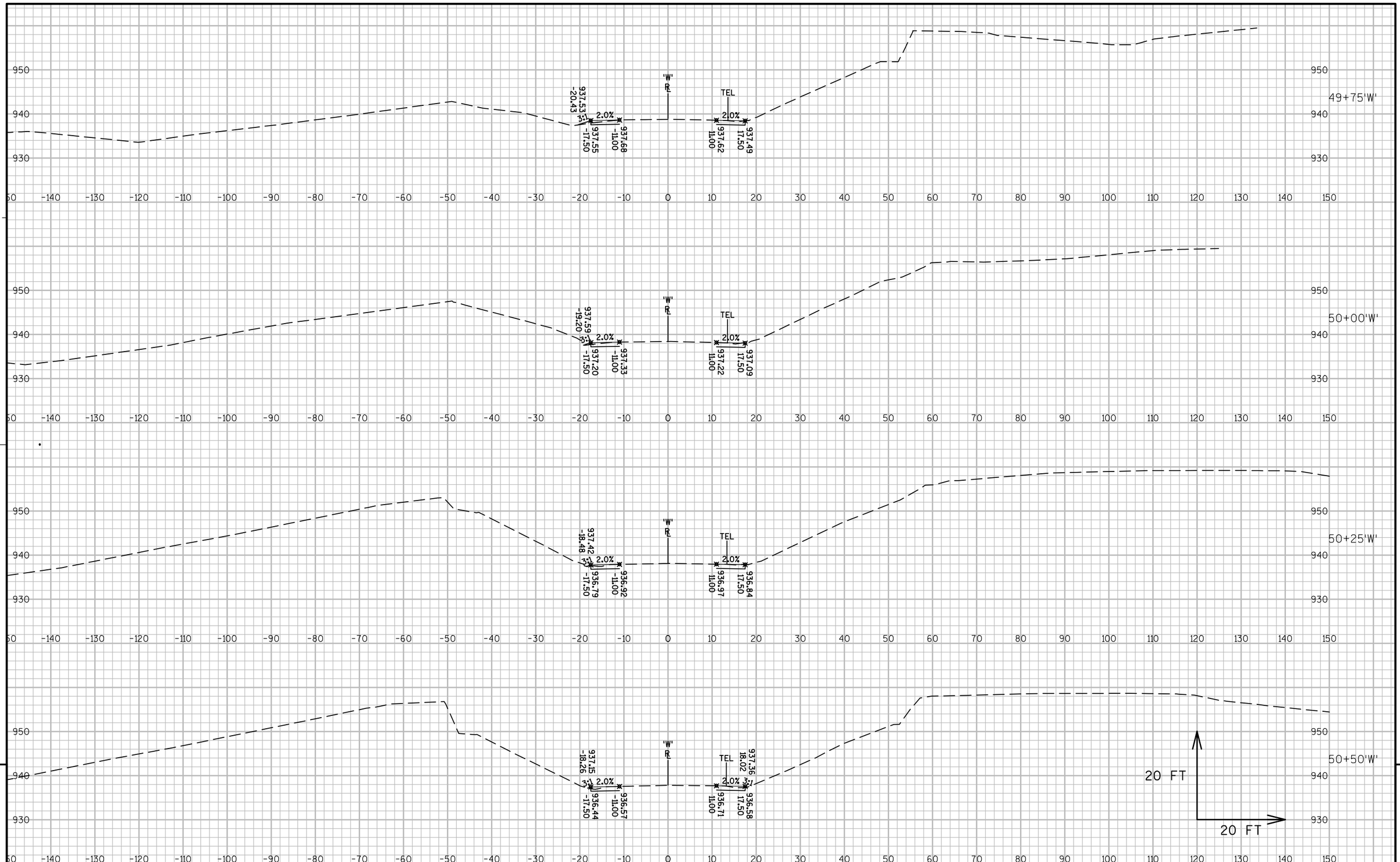


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH W	SHEET 515 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH W.DWG
LAYOUT NAME - 090102_W

PLOT DATE : 2/1/2017 7:53 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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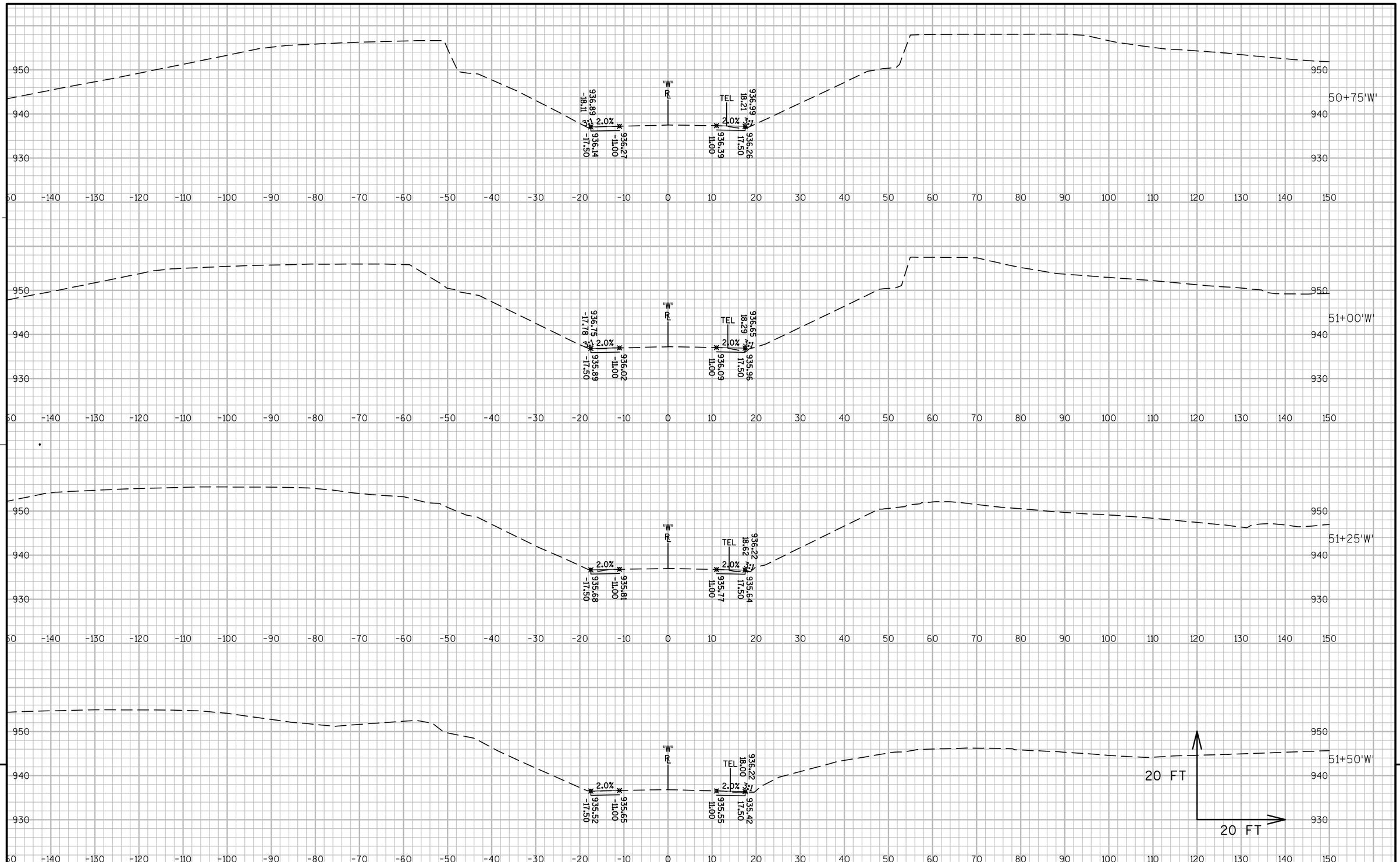
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH W	SHEET 516 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH W.DWG
LAYOUT NAME - 090103_W
PLOT DATE : 2/1/2017 7:53 AM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1" = 20'_XREF
WISDOT/CADDS SHEET 49



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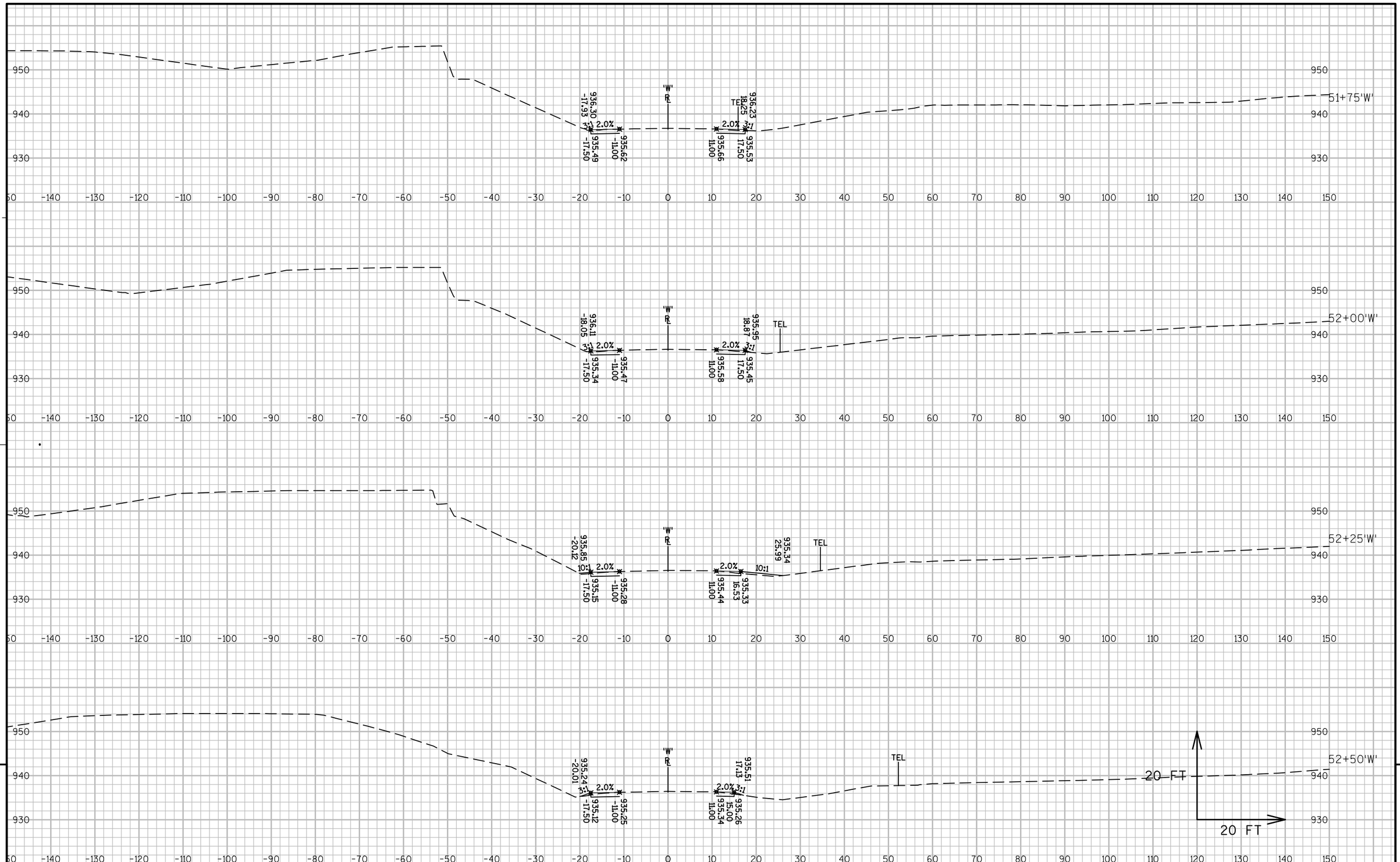
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH W	SHEET 517	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH W.DWG
LAYOUT NAME - 090104_W

PLOT DATE : 2/1/2017 7:53 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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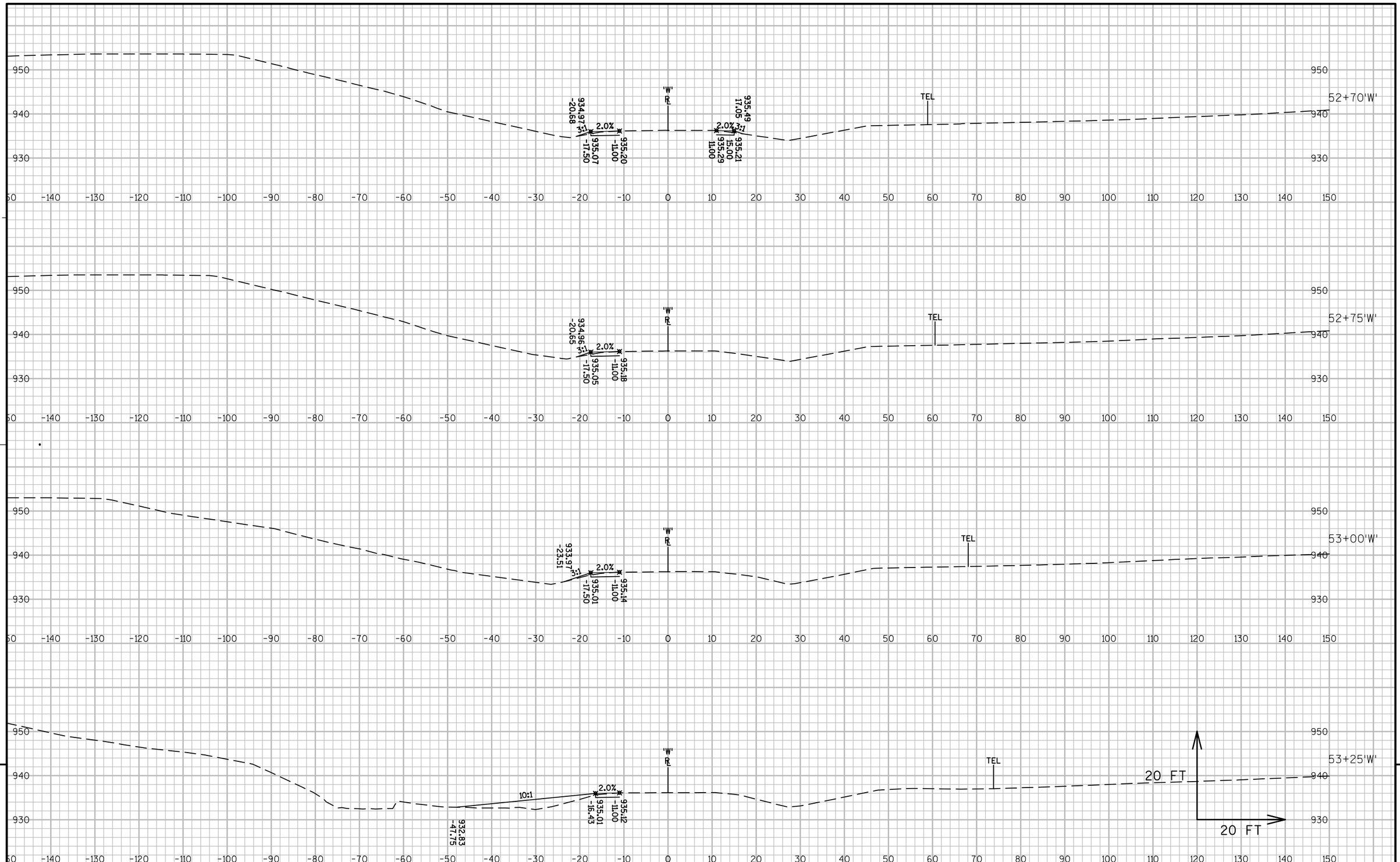
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH W	SHEET 518	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH W.DWG
LAYOUT NAME - 090105_W

PLOT DATE : 2/1/2017 7:53 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



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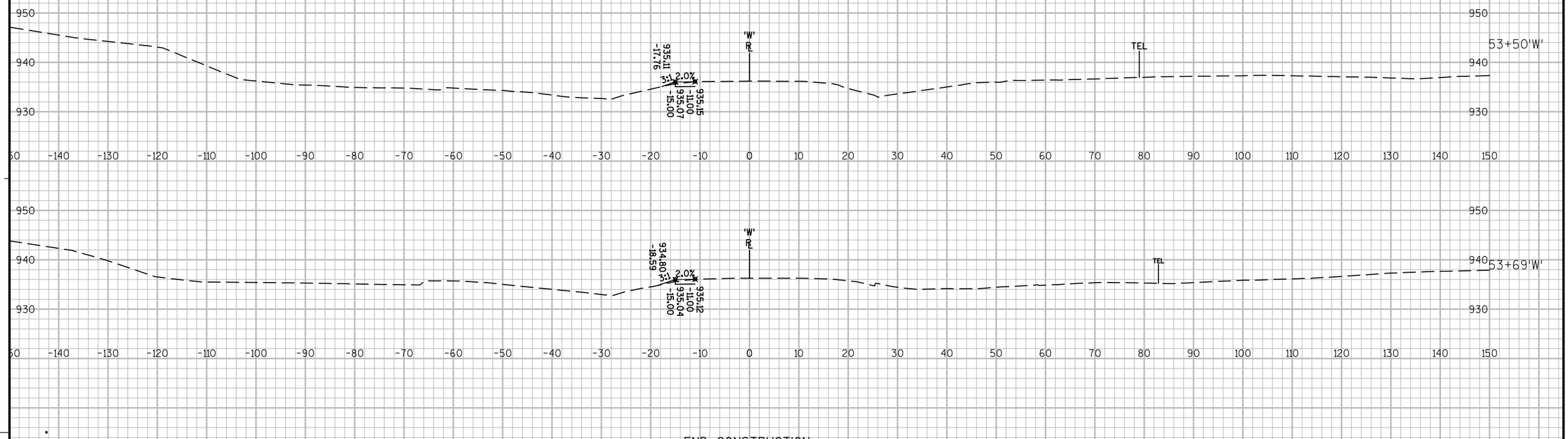
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH W	SHEET 519	E

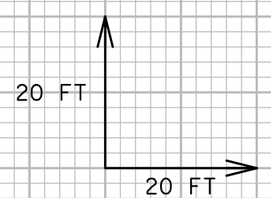
FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_CTH W.DWG
LAYOUT NAME - 090106_W

PLOT DATE : 2/1/2017 7:53 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1" = 20'_XREF

WISDOT/CADDS SHEET 49



END CONSTRUCTION
STA 63+69'W'



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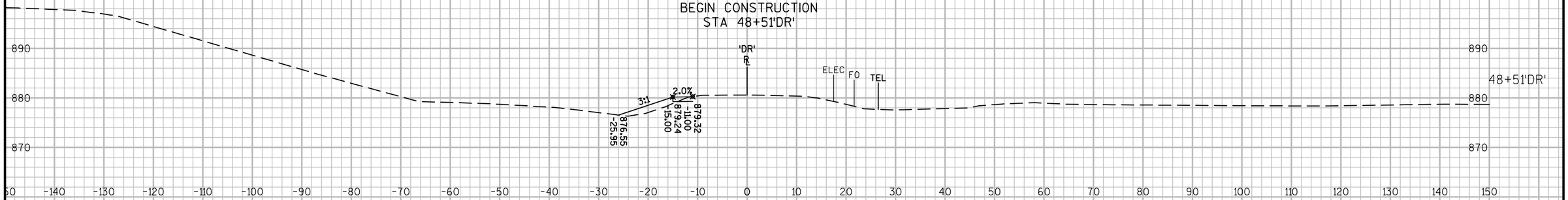
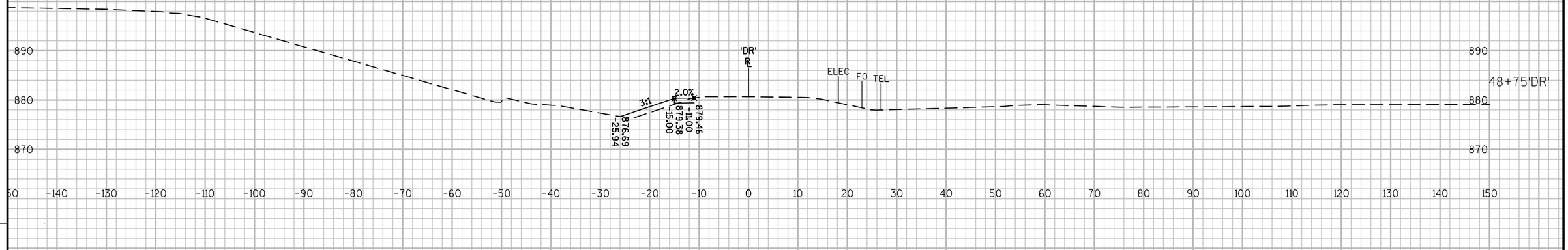
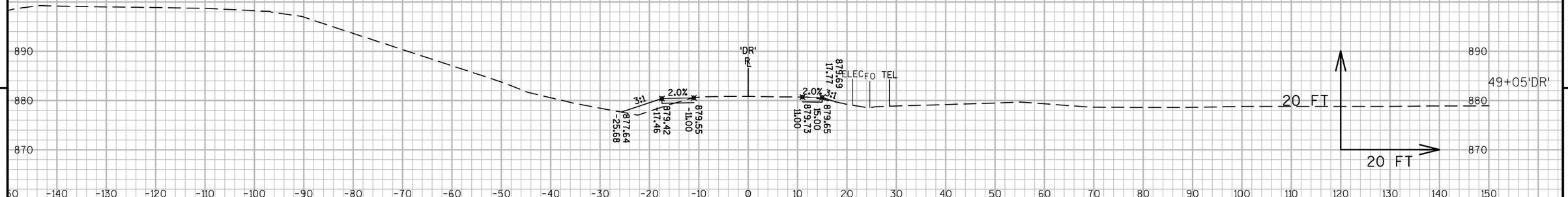
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: CTH W	SHEET 520	E

BEGIN CONSTRUCTION
STA 48+51'DR'







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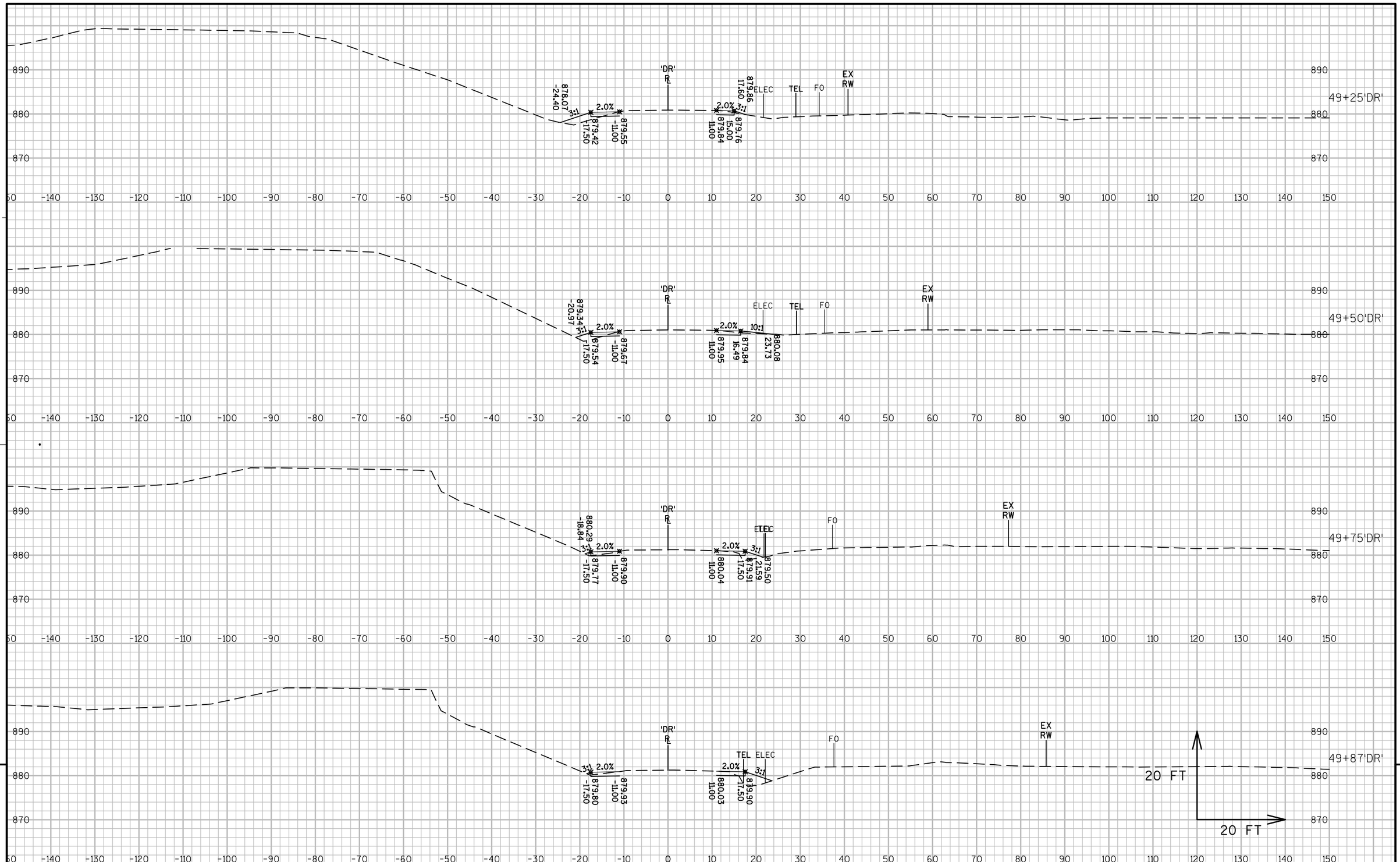
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: DROTNING RD	SHEET 521	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_DROTNING RD.DWG
LAYOUT NAME - 090101_DR
PLOT DATE : 2/1/2017 7:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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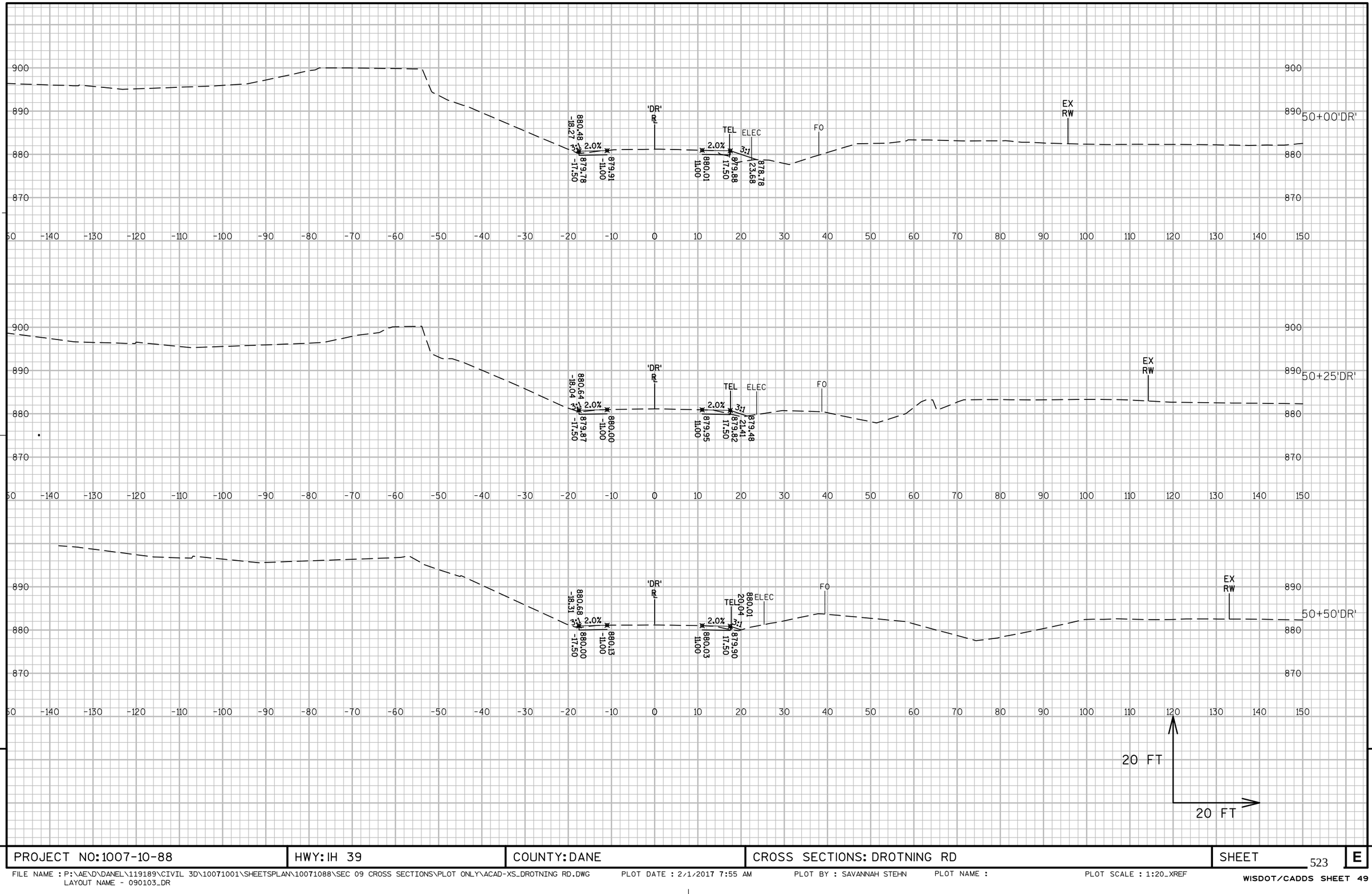
9

PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: DROTNING RD	SHEET 522	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_DROTNING RD.DWG
LAYOUT NAME - 090102_DR
PLOT DATE : 2/1/2017 7:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



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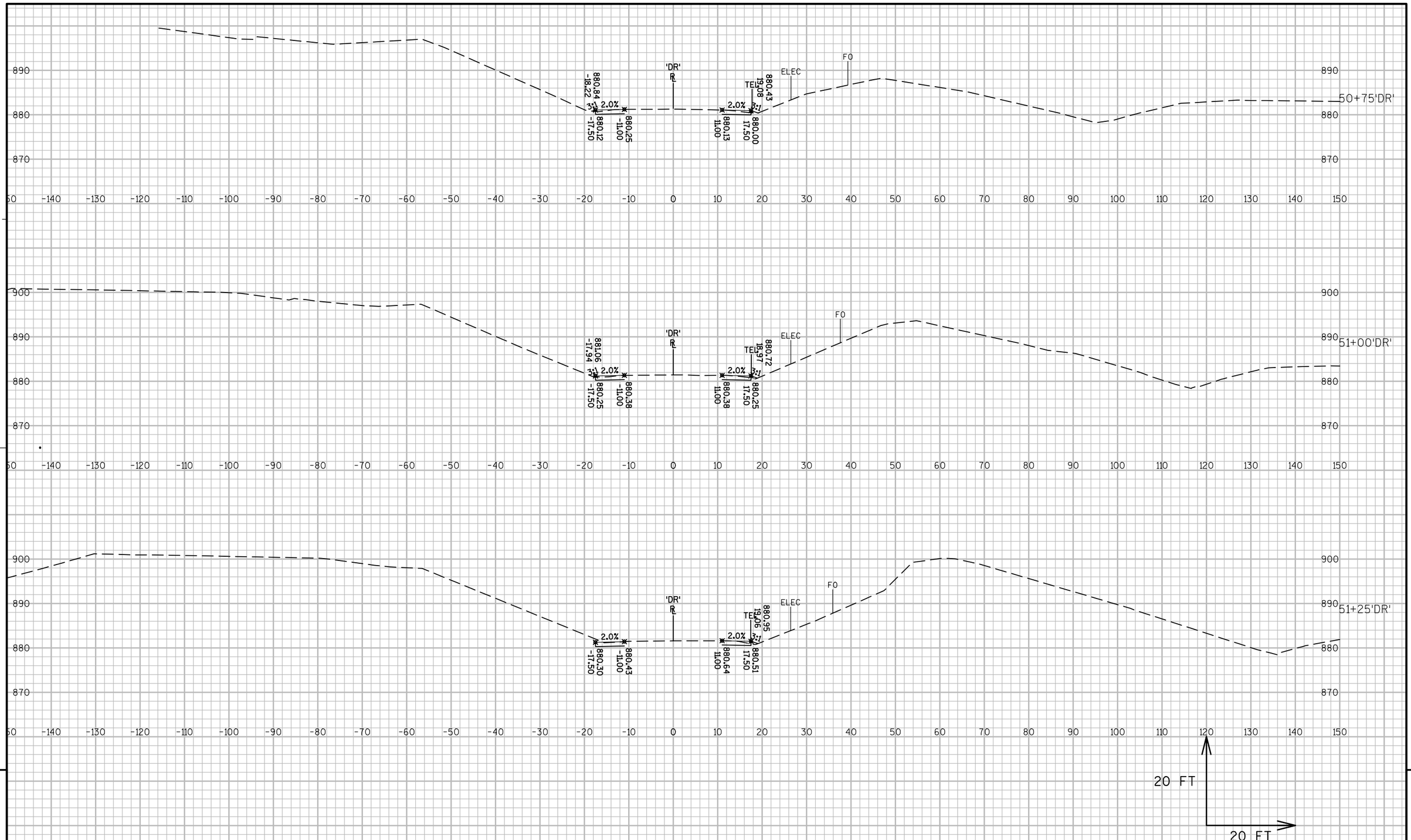
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: DROTNING RD	SHEET 523	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_DROTNING RD.DWG
LAYOUT NAME - 090103_DR
PLOT DATE : 2/1/2017 7:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 49



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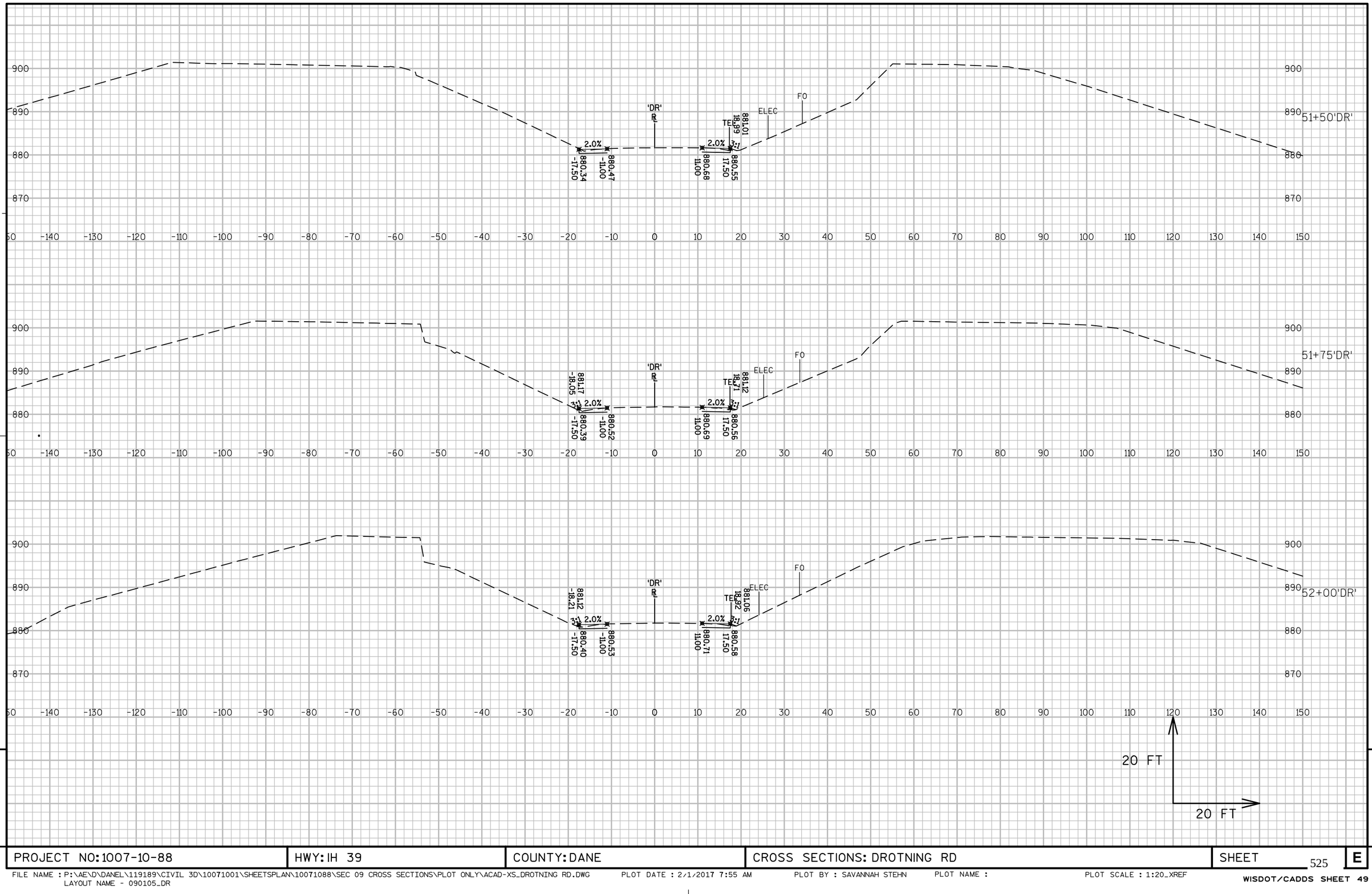
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: DROTNING RD	SHEET 524	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_DROTNING RD.DWG
LAYOUT NAME - 090104_DR

PLOT DATE : 2/1/2017 7:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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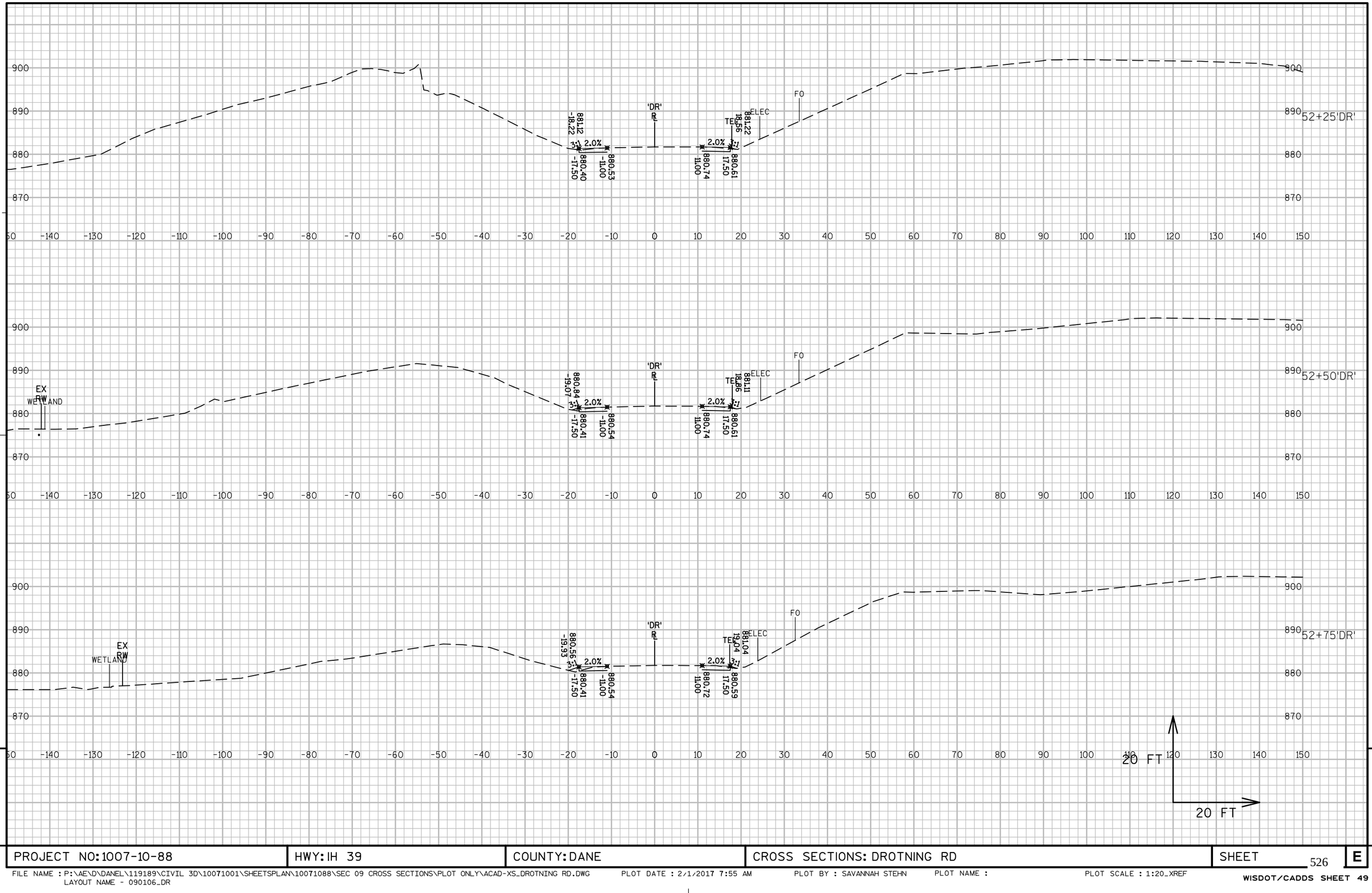
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: DROTNING RD	SHEET 525	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_DROTNING RD.DWG
LAYOUT NAME - 090105_DR

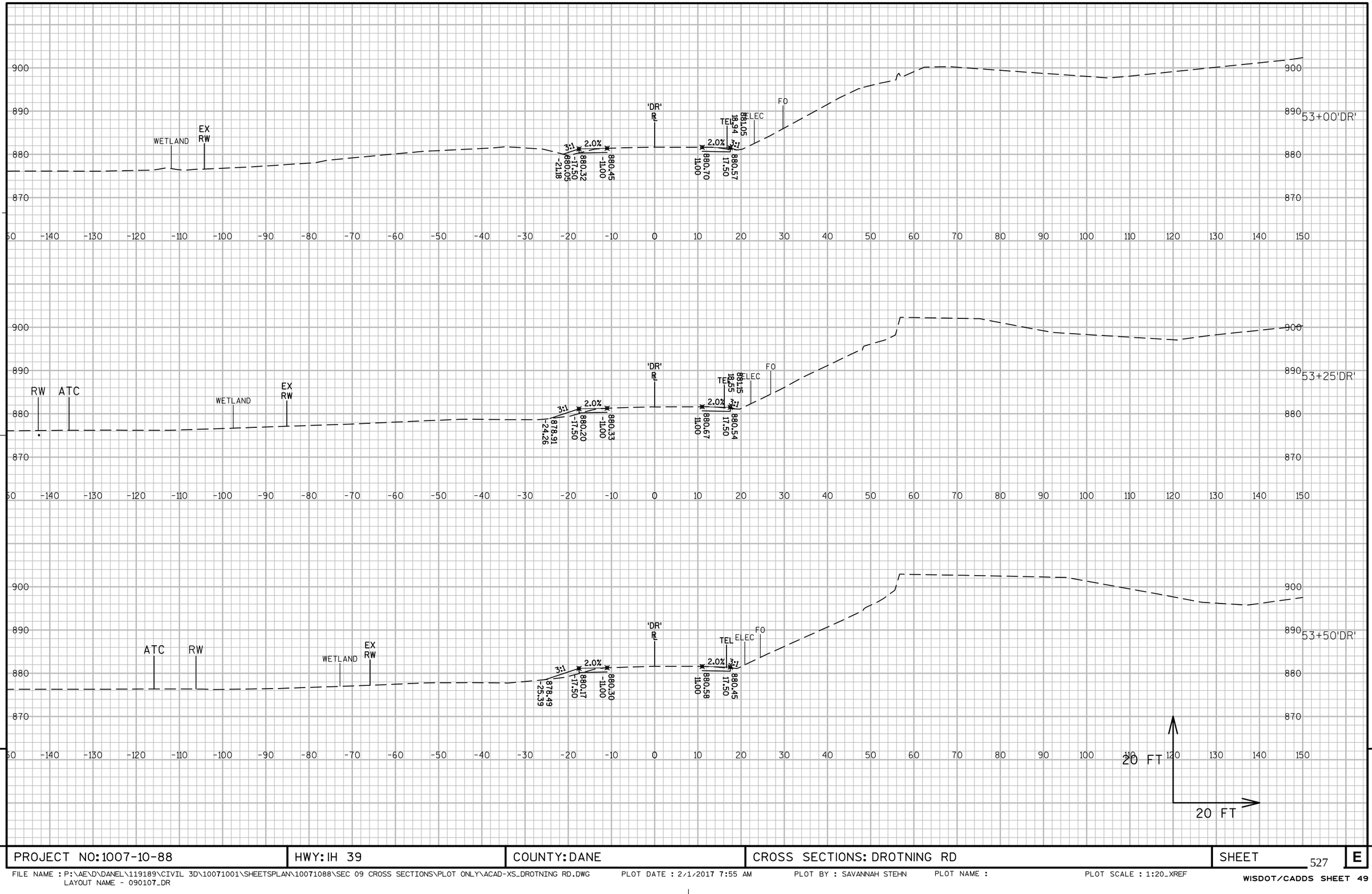
PLOT DATE : 2/1/2017 7:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: DROTNING RD	SHEET 526	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_DROTNING RD.DWG
LAYOUT NAME - 090106_DR
PLOT DATE : 2/1/2017 7:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



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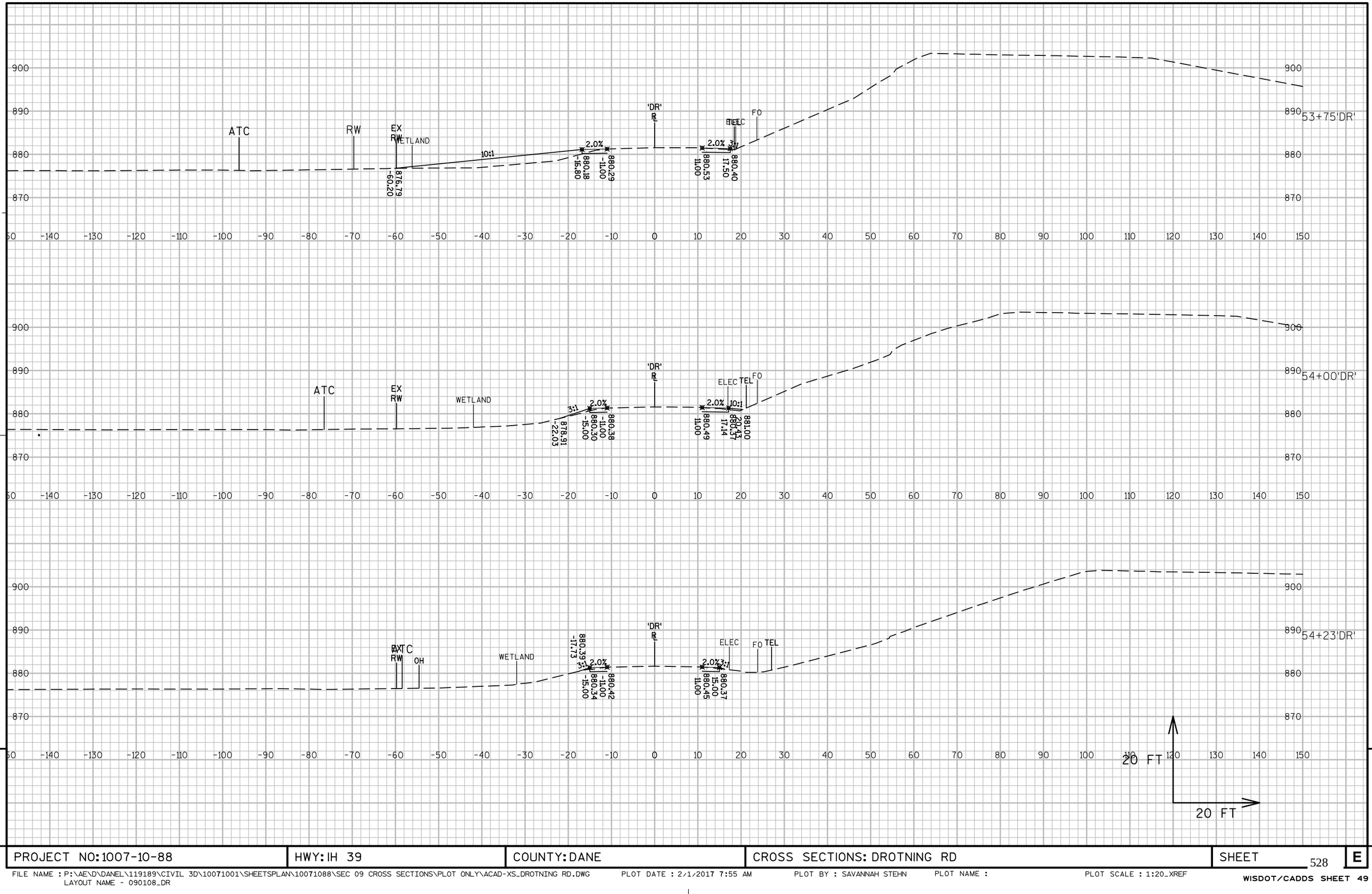
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: DROTNING RD	SHEET 527	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_DROTNING RD.DWG
LAYOUT NAME - 090107_DR
PLOT DATE : 2/1/2017 7:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



9

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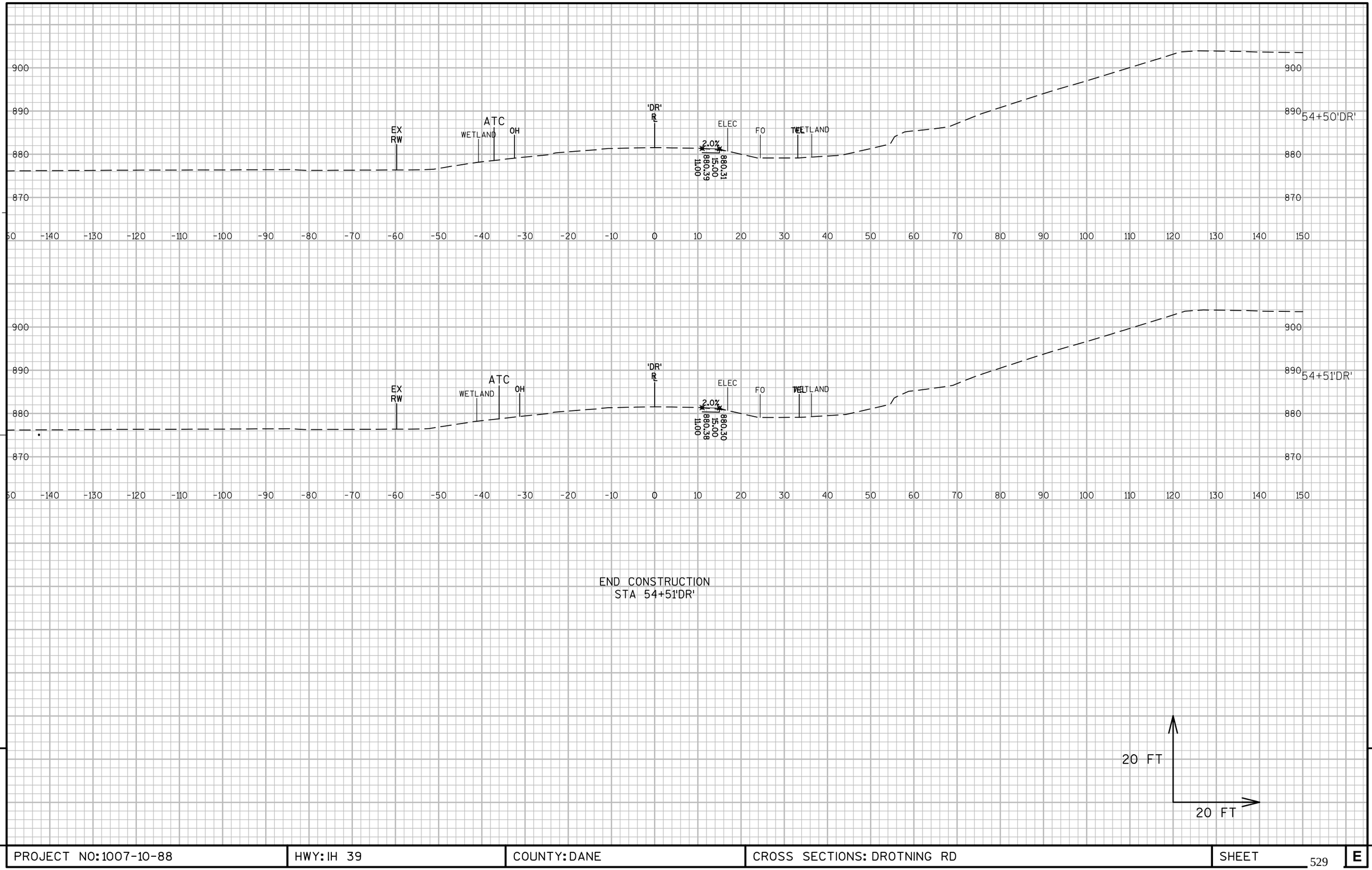
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: DROTNING RD	SHEET 528	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_DROTNING RD.DWG
LAYOUT NAME - 090108_DR

PLOT DATE : 2/1/2017 7:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 49



9

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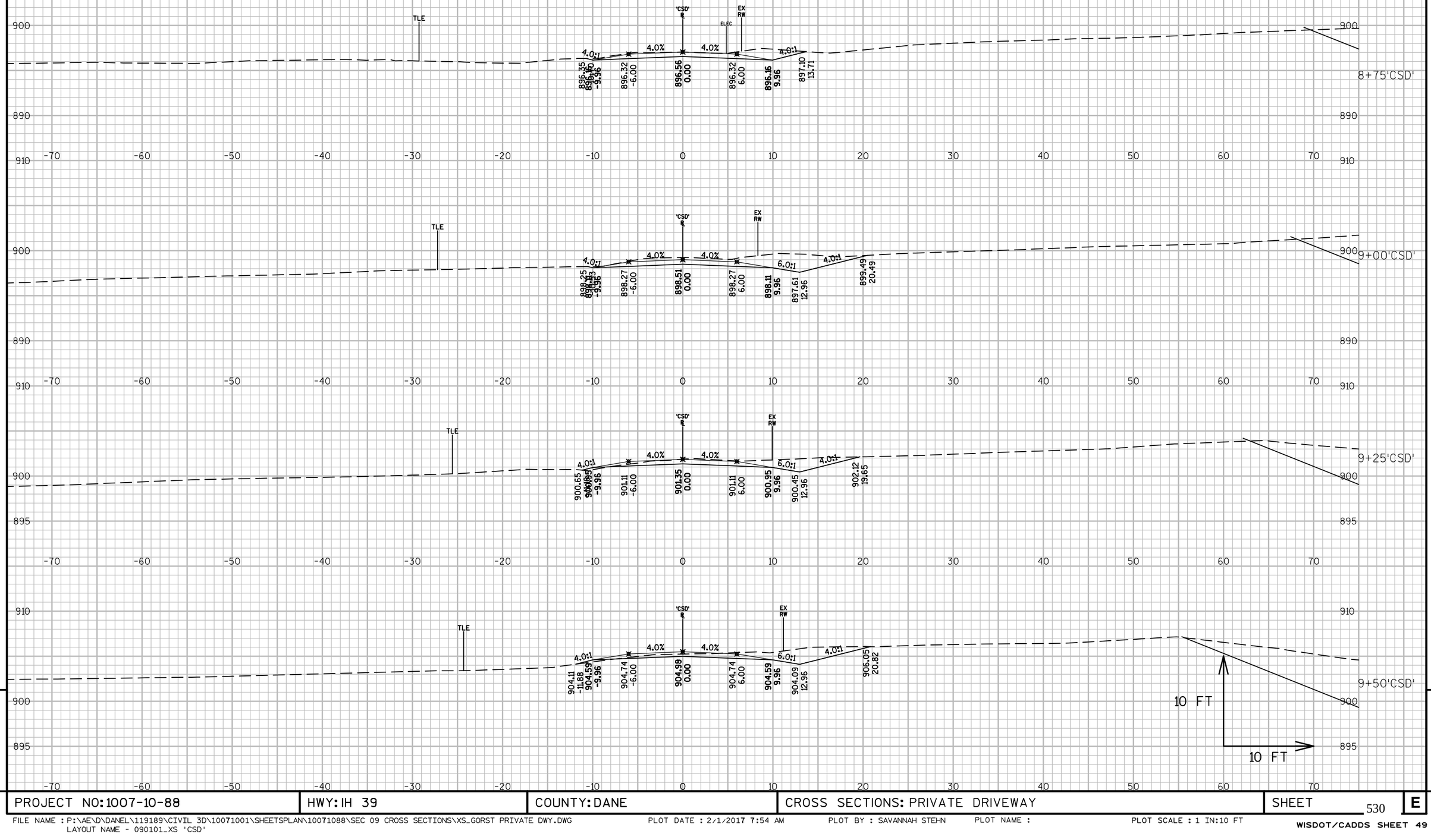
PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: DROTNING RD	SHEET 529	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\PLOT ONLY\ACAD-XS_DROTNING RD.DWG
LAYOUT NAME - 090109_DR
PLOT DATE : 2/1/2017 7:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1:20_XREF

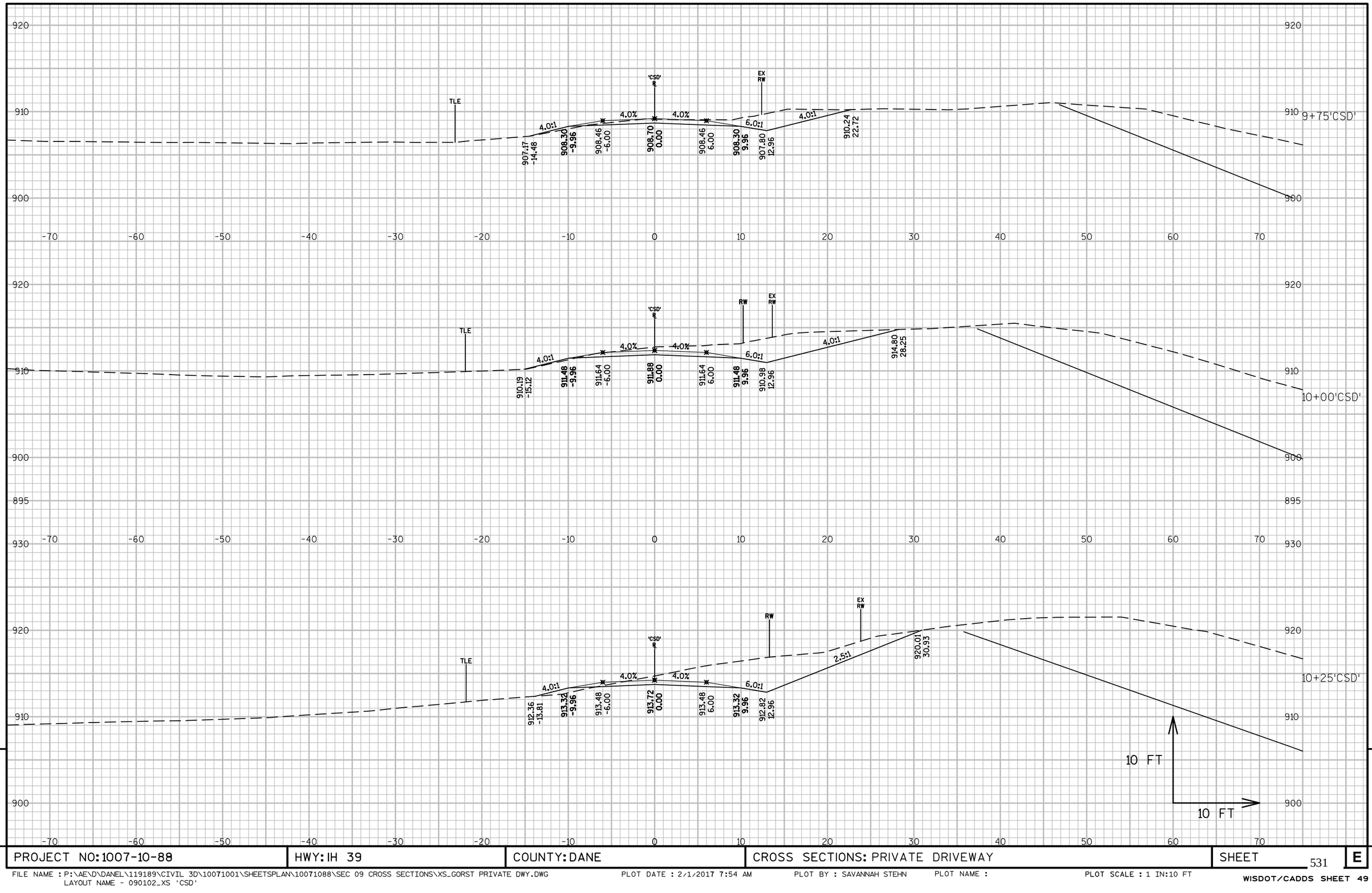
BEGIN CONSTRUCTION
STA 8+75.00'CSD'



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: PRIVATE DRIVEWAY	SHEET 530	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\XS_GORST PRIVATE DWY.DWG
LAYOUT NAME - 090101_XS 'CSD'
PLOT DATE : 2/1/2017 7:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

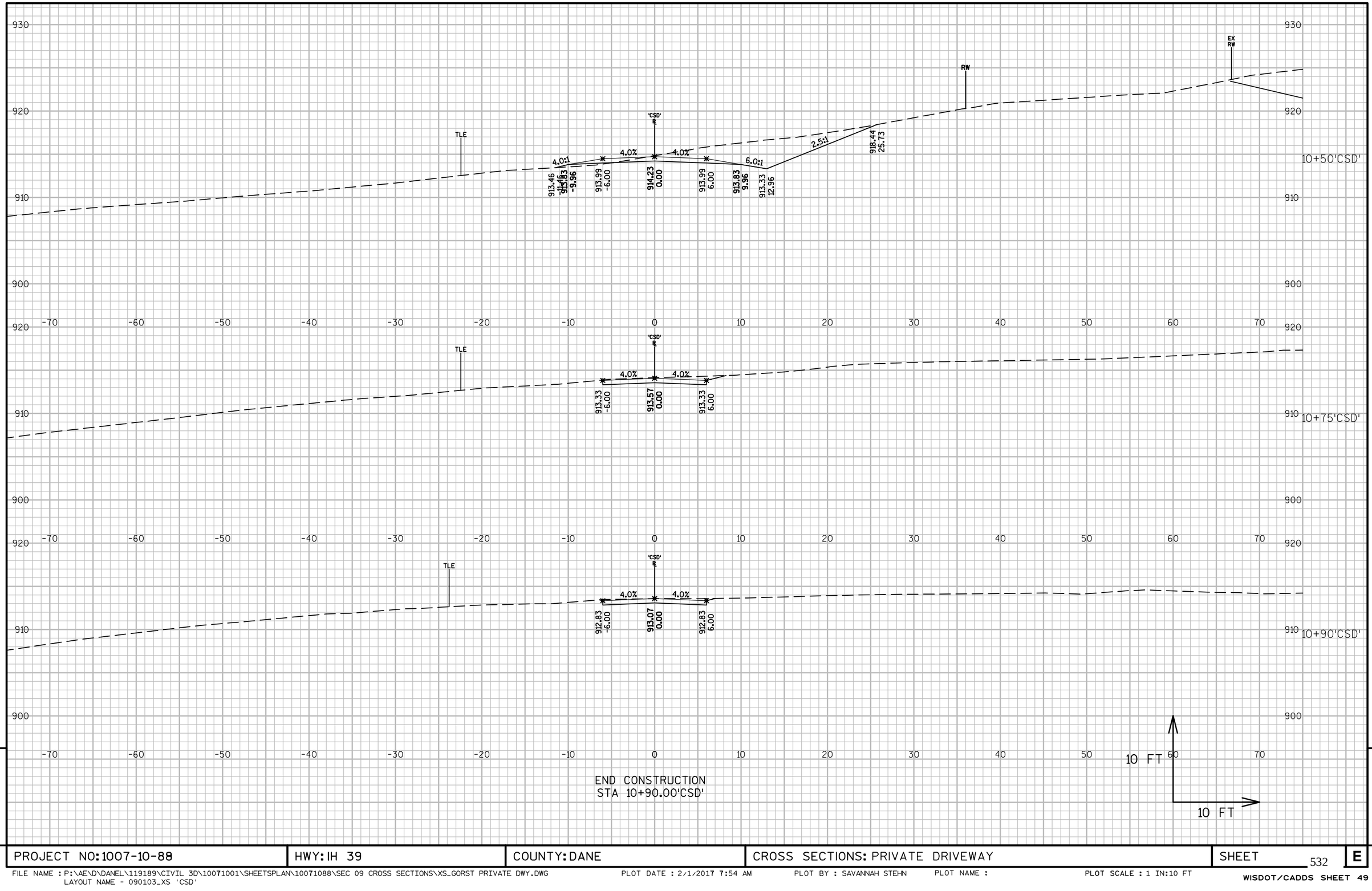


PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: PRIVATE DRIVEWAY	SHEET 531 E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\XS_GORST PRIVATE DWY.DWG
LAYOUT NAME - 090102_XS 'CSD'

PLOT DATE : 2/1/2017 7:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 1007-10-88	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: PRIVATE DRIVEWAY	SHEET 532	E

FILE NAME : P:\AE\D\DANEL\119189\CIVIL 3D\10071001\SHEETSPLAN\10071088\SEC 09 CROSS SECTIONS\XS_GORST PRIVATE DWY.DWG
LAYOUT NAME - 090103_XS 'CSD'

PLOT DATE : 2/1/2017 7:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
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http://www.dot.wisconsin.gov