MAD MAY 2016

PROJECT ID: 1007-10-78

COUNTY: DANE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control Plans)
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 = 350

54

N

DESIGN DESIGNATION

A.A.D.T.	2020	=	56,650
A.A.D.T.	2022	=	58,030
D.H.V.	2022	=	6,150
D.D.		=	58/42
T.		=	29.1%
DESIGN SPEED		=	70 MPH
ESALS		=	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

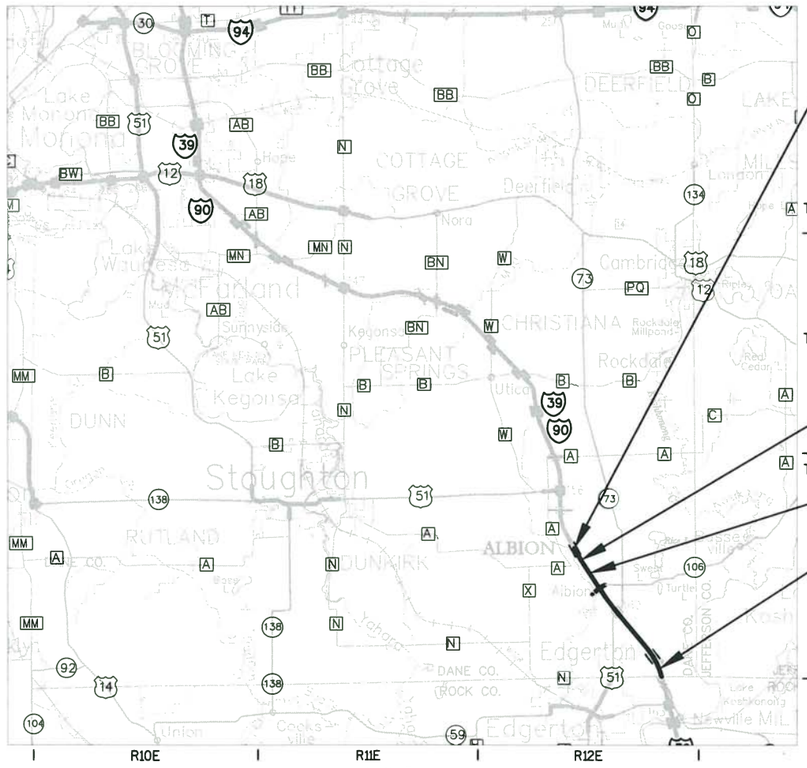
SOUTH DANE CTY LN TO MAPLE GROVE RD

IH 39

DANE COUNTY

STATE PROJECT NUMBER
1007-10-78

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1007-10-78	———	—



LAYOUT

SCALE 0 2 MI.

TOTAL NET LENGTH OF CENTERLINE PROJECT 1007-10-78 =4.110 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DANE COUNTY, NAD83 (2007).

ELEVATIONS ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 (2007).

ORIGINAL PLANS PREPARED BY

emcs inc

901 DEMING WAY, SUITE 203
MADISON, WI 53717
608.827.8810 FAX 608.833.3198

WISCONSIN
CHRISTOPHER C. DRY
E-42036-6
MADISON
WI
PROFESSIONAL ENGINEER

7/27/15 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	DANE PARTNERS
Designer	EMCS
Project Manager	CRAIG PRINGLE
Regional Examiner	JIM BUSCHKOPF
Regional Supervisor	JOHN STEINER

APPROVED FOR THE DEPARTMENT

DATE: 7/28/15 (Signature)

E

GENERAL NOTES

-NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

-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.

-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.

-ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES SHALL BE FILLED WITH GRANULAR BACKFILL WHICH WILL BE INCLUDED IN THE PRICE OF THE ABANDONED OR REMOVED ITEM.

-WHEN THE QUANTITY OF HMA PAVEMENT OR BASE AGGREGATE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

-PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS WITH THE ENGINEER.

-INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

-CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE. CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE.

-TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS.

-BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP.

-CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF SALVAGED TOPSOIL WHERE REQUIRED. SALVAGED TOPSOIL SHALL BE REPLACED WITH 4-INCH MINIMUM DEPTH.

-TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

-REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

-THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

-ASPHALTIC AND CONCRETE SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

-DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE SALVAGED TOPSOILED, FERTILIZED, SEEDED AND MULCHED/EROSION MATTED.

-INLET PROTECTION REQUIRED AT ALL INLETS AS PER DETAIL OR AS DIRECTED BY THE ENGINEER.

-FERTILIZER SHALL NOT BE USED WITHIN 20' OF NAVIGABLE WATERWAYS OR WETLANDS.

-STATIONING FOR SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND THE FINAL LOCATIONS OF SIGNS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

-A CONVERSION FACTOR OF 2.10 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE ¾-INCH.

-A CONVERSION FACTOR OF 2.00 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE 1¼-INCH.

-A CONVERSION FACTOR OF 1.90 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR SELECT CRUSHED MATERIAL.

-A CONVERSION FACTOR OF 110 LBS/IN/SY IS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.

-ALL TYPES OF ASPHALTIC PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

TOTAL LAYER PAVEMENT THICKNESS	LAYERS	HMA PAVEMENT ITEM
2.00"	2.00	HMA PAVEMENT 4 HT 58-28 H
4.00"	4.00"	HMA PAVEMENT 2 HT 58-28 S
6.00"	2.00" UPPER 4.00" LOWER	HMA PAVEMENT 4 HT 58-28 H HMA PAVEMENT 2 HT 58-28 S

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL
STORM SEWER
SIGNING AND PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT PLANS

STANDARD ABBREVIATIONS

AECPRC	APRON ENDWALL CULVERT PIPE REINFORCED CONCRETE
AECPRCHE	APRON ENDWALL CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
AECPSS	APRON ENDWALL CULVERT PIPE SLOPED SECTION
AEW	APRON END WALL
AGG	AGGREGATE
ASPH	ASPHALT
BAD	BASE AGGREGATE DENSE
B/C	BACK OF CURB
BH	BOREHOLE
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L	OR CENTER OR CONSTRUCTION LINE
CONC	CONCRETE
CP	CULVERT PIPE
CPCS	CULVERT PIPE CORRUGATED STEEL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC-YARD
D	DEGREE OF CURVE
△	DELTA
DISCH	DISCHARGE
EL	ELEVATION
ESTR	EXISTING SIGN TO REMAIN
FE	FIELD ENTRANCE
FMS	FIXED MESSAGE SIGN
HMA	HOT MIX ASPHALT
HTCG	HIGH TENSION CABLE GUARD
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LT	LEFT
MID	MIDDLE OF RADIUS
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
PAVT	PAVEMENT
PC	POINT-OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASEMENT
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCE CONCRETE
REQ'D	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RT	RIGHT
SALV	SALVAGED
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
TP	TEST PIT
TYP	TYPICAL
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT

UTILITY CONTACTS

COMMUNICATIONS
RUSS RYAN
FRONTIER COMMUNICATIONS OF WI, LLC
315 OAK ST
OAKFIELD, WI 53065
PHONE: (920)583-3275
EMAIL: RUSSELL.W.RYAN@FTR.COM

COMMUNICATIONS
AARON GRODI
WINDSTREAM COMMUNICATIONS
13935 BISHOPS DRIVE
BROOKFIELD, WI 53005
PHONE: (608) 819-5014
EMAIL: AARON.GRODI@WINDSTREAM.COM

ELECTRIC
JASON HOGAN
ALLIANT ENERGY
4902 NORTH BILTMORE LANE, SUITE 1000
MADISON, WI 53718
PHONE: (608) 395-7395
EMAIL: JASONHOGAN@ALLIANTENERGY.COM

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

ELECTRIC
LYNN MAIER
ROCK ENERGY COOPERATIVE
2815 KENNEDY ROAD
JANESVILLE, WI 53545
PHONE: (608) 752-4550
EMAIL: LYNNM@ROCK.COOP

GAS/PETROLEUM
JASON HOGAN
ALLIANT ENERGY
4902 NORTH BILTMORE LANE, SUITE 1000
MADISON, WI 53718
PHONE: (608) 395-7395
EMAIL: JASONHOGAN@ALLIANTENERGY.COM

DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

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

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

OTHER AGENCIES

WDNR LIAISON
ERIC HEGGELUND
DNR SOUTH CENTRAL REGION HQ
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
PHONE: (608) 275-3301
EMAIL: ERIC.HEGGELUND@WISCONSIN.GOV

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

WISDOT CONSTRUCTION
KHADER ABU AL EIS
111 INTERSTATE BLVD
EDGERTON, WI 53704
PHONE: (608) 884-1174
EMAIL: KHADER.ABUALEIS@DOT.WI.GOV

CONSULTANT DESIGN
CHRISTOPHER DRY
EMCS INC.
901 DEMING WAY
MADISON, WI 53717
PHONE: (608) 827-8810
EMAIL: CDRY@EMCSINC.COM

2

N

ROCK COUNTY
DANE COUNTY

USH 51

ALBION RD

GOEDE RD

LAKE DRIVE RD

EDGERTON ROAD

STH 73

BRANCH SAUNDERS CREEK

MAPLE GROVE RD

I-39/90

1480'TSB'
1500'TSB'
1520'TSB'
1540'TSB'
1560'TSB'
1580'TSB'
1600'TSB'
1620'TSB'
1640'TSB'
1660'TSB'
1680'TSB'
1700'TSB'
1720'TSB'
1740'TSB'
1760'TSB'

STRUCTURE
B-13-208

BOX CULVERT
C-13-3076

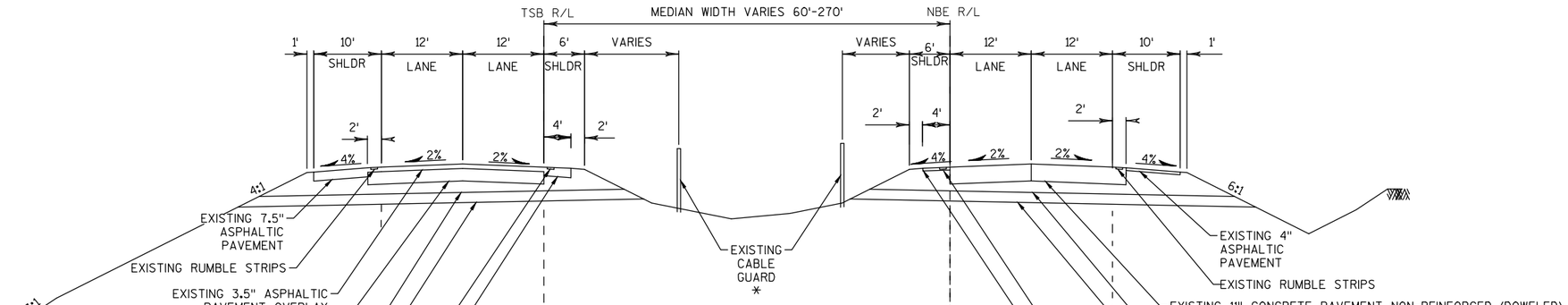
TEMPORARY CROSSOVER
USED IN PROJECT
1007-11-75

TEMPORARY CROSSOVER
USED IN PROJECT
1007-11-75

BEGIN PROJECT 1007-10-78
STA. 1498+00.00'TSB'

END PROJECT 1007-10-78
STA 1715+00.00'TSB'

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN: PROJECT OVERVIEW	SHEET 4	E



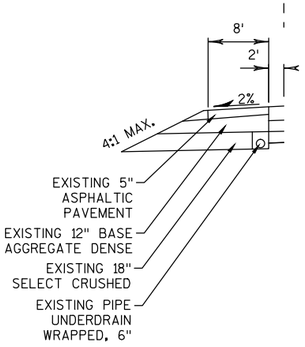
TYPICAL EXISTING SECTION

I-39/90
STA 1498+00'TSB' - STA 1656+00'TSB'

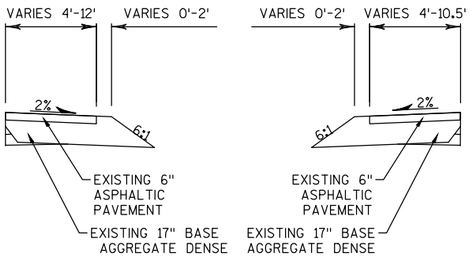
*
EXISTING CABLE GUARD LOCATIONS:

NB
STA 103+12'NBE' - STA 128+75'NBE'
STA 131+27'NBE' - STA 194+82'NBE'
STA 195+57'NBE' - STA 213+99'NBE'

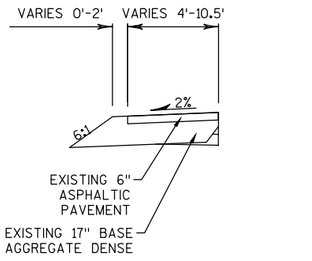
SB
STA 1498+12'TSB' - STA 1500+99'TSB'
STA 1529+96'TSB' - STA 1592+91'TSB'



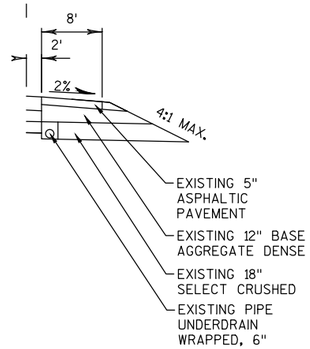
STA 1515+50'TSB' - STA 1528+50'TSB'
STA 1530+00'TSB' - STA 1537+00'TSB'



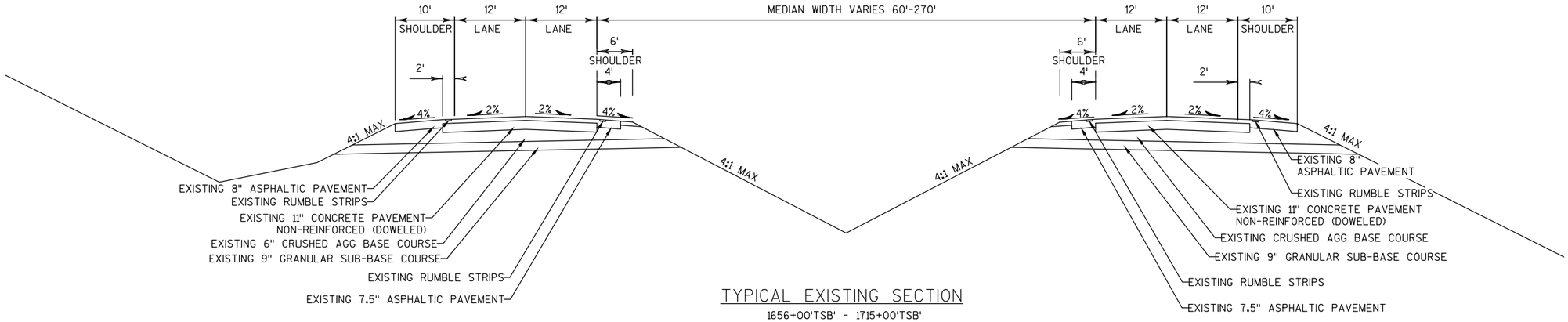
STA 1576+62'TSB' - STA 1665+62'TSB'



STA 180+00'NBE' - STA 261+21'NBE'



STA 120+70'NBE' - STA 129+00'NBE'
STA 130+50'NBE' - STA 135+25'NBE'

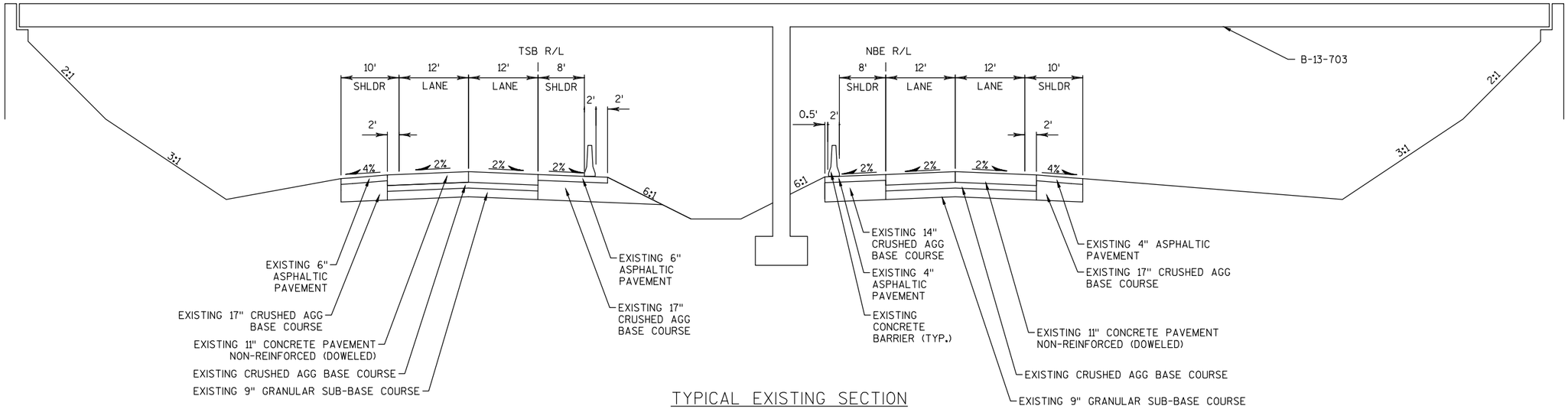


TYPICAL EXISTING SECTION

1656+00'TSB' - 1715+00'TSB'

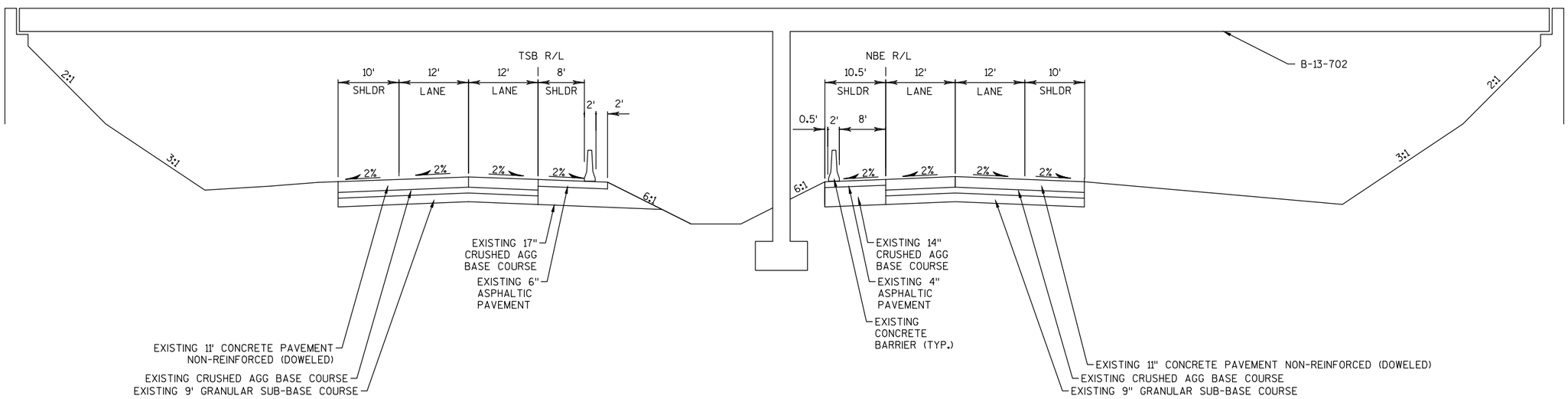
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN: TYPICAL SECTIONS	SHEET 5	E

2



TYPICAL EXISTING SECTION

I-39/90
UNDER EDGERTON ROAD BRIDGE



TYPICAL EXISTING SECTION

I-39/90
UNDER USH 51/STH 73

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN: TYPICAL SECTIONS	SHEET 6	E

TYPICAL FINISHED SECTION

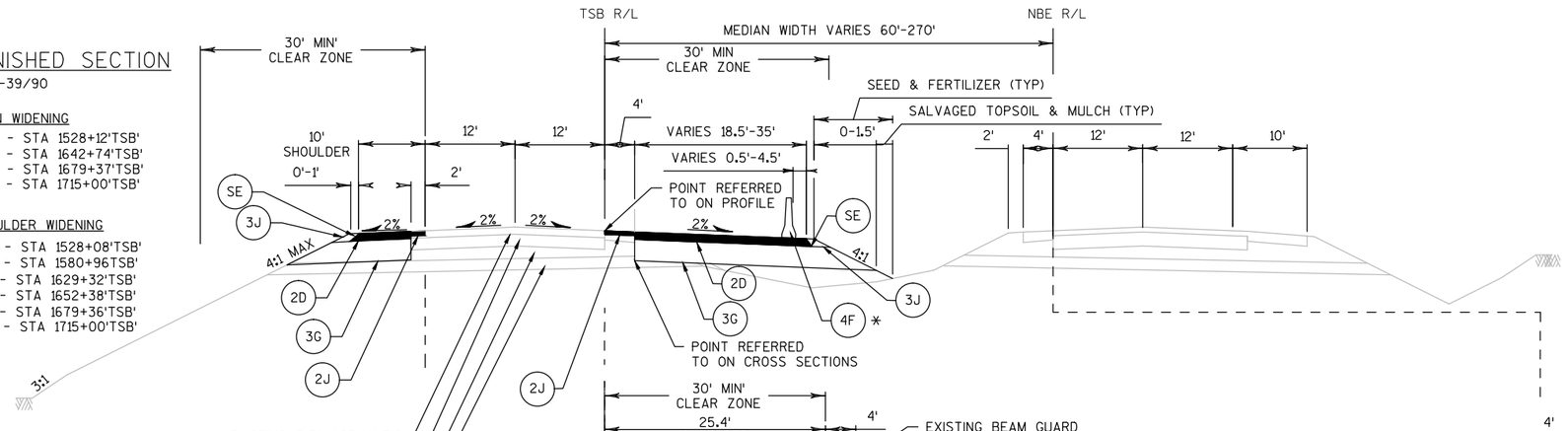
I-39/90

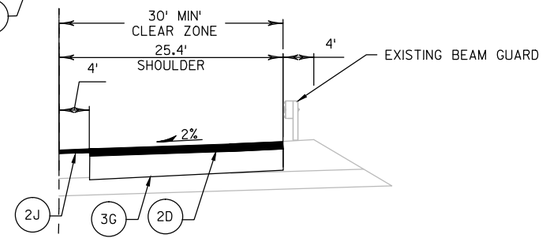
MEDIAN WIDENING

STA 1500+83'TSB' - STA 1528+12'TSB'
STA 1530+27'TSB' - STA 1642+74'TSB'
STA 1655+00'TSB' - STA 1679+37'TSB'
STA 1679+92'TSB' - STA 1715+00'TSB'

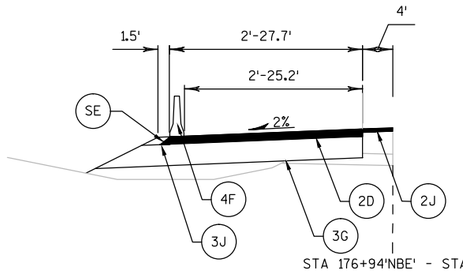
OUTSIDE SHOULDER WIDENING

STA 1498+00'TSB' - STA 1528+08'TSB'
STA 1530+29'TSB' - STA 1580+96'TSB'
STA 1596+13'TSB' - STA 1629+32'TSB'
STA 1639+31'TSB' - STA 1652+38'TSB'
STA 1658+13'TSB' - STA 1679+36'TSB'
STA 1679+92'TSB' - STA 1715+00'TSB'

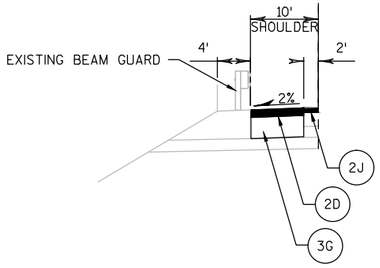




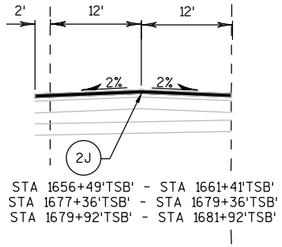
STA 1530+27'TSB' - STA 1530+80'TSB'



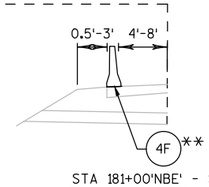
STA 176+94'NBE' - STA 181+00'NBE'



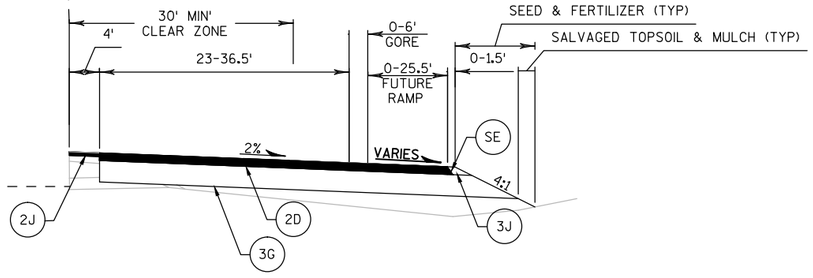
STA 1530+29'TSB' - STA 1534+02'TSB'
STA 1555+37'TSB' - STA 1556+98'TSB'
STA 1658+34'TSB' - STA 1664+45'TSB'
STA 1679+92'TSB' - STA 1682+58'TSB'



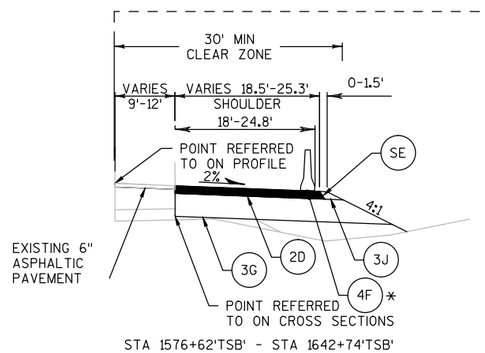
STA 1656+49'TSB' - STA 1661+41'TSB'
STA 1677+36'TSB' - STA 1679+36'TSB'
STA 1679+92'TSB' - STA 1681+92'TSB'



STA 181+00'NBE' - STA 196+75'NBE'
STA 204+40'NBE' - STA 216+45'NBE'



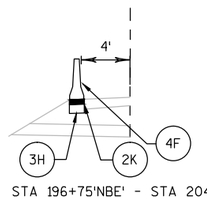
STA 1559+29'TSB' - STA 1568+18'TSB'



STA 1576+62'TSB' - STA 1642+74'TSB'
STA 1655+00'TSB' - STA 1665+62'TSB'

LAKE DRIVE ROAD BRIDGE
STA 1528+24'TSB' - STA 1530+27'TSB'

SAUNDERS CREEK BRIDGE
STA 1679+36'TSB' - STA 1679+92'TSB'



STA 196+75'NBE' - STA 204+40'NBE'

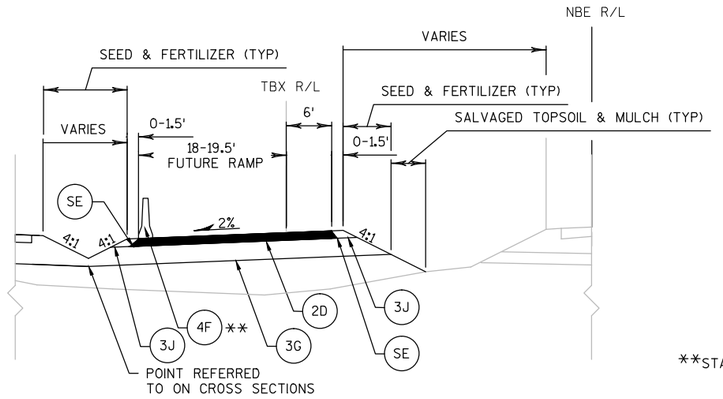
**EXISTING CONCRETE BARRIER TO REMAIN
STA 211+05'NBE' - STA 216+45'NBE'

LEGEND

- (2D) 6-INCH NEW CONSTRUCTION
  2-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H
  4-INCH BOTTOM LAYER HMA PAVEMENT 2 HT 58-28 S
- (3J) BASE AGGREGATE DENSE 3/4-INCH THICKNESS TO MATCH ADJACENT PAVEMENT
- (3G) 17-INCH BASE AGGREGATE DENSE 1-1/4-INCH
- (3H) 3-INCH BASE AGGREGATE DENSE 1-1/4-INCH
- (2J) 2-INCH REMOVING ASPHALTIC SURFACE MILLING
  2-INCH HMA PAVEMENT 4 HT 58-28 H
- (2K) 2-INCH HMA PAVEMENT 4 HT 58-28 H
- (4F) CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (7A) MGS BEAMGUARD 3
- (SE) SAFETY EDGE

*STA 1611+65'TSB' - STA 1617+02'TSB'
STA 1654+04'TSB' - STA 1663+12'TSB'
STA 1679+92'TSB' - STA 1681+52'TSB'

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN: TYPICAL SECTIONS	SHEET 7	E



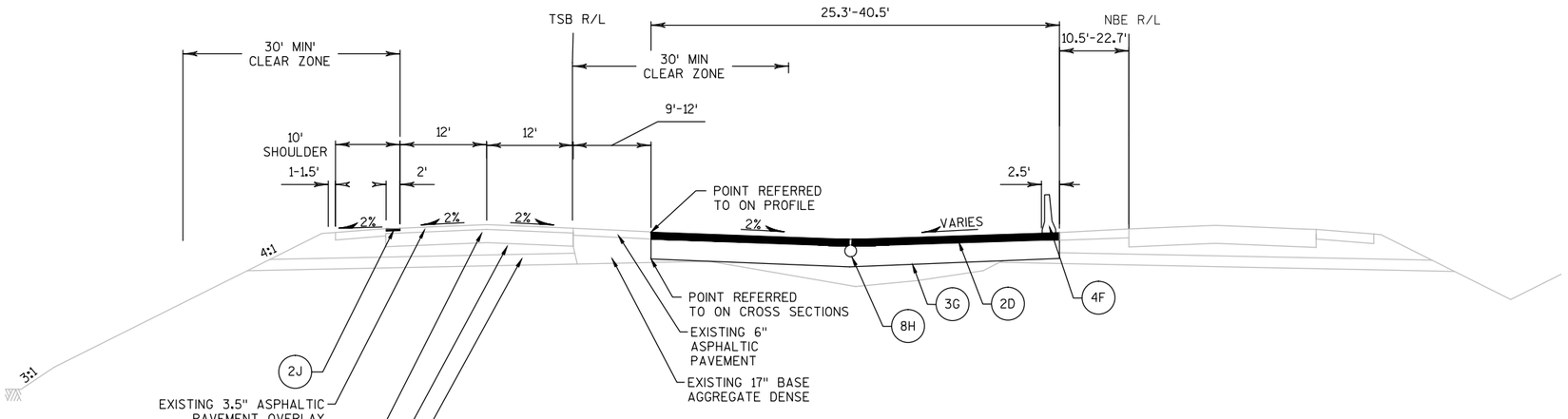
**STA 175+02'NBE' - STA 176+94'NBE'

TYPICAL FINISHED SECTION

I-39/90 - FUTURE RAMP
STA 1568+18'TBX' - STA 1575+01'TBX'

LEGEND

- (2D) 6-INCH NEW CONSTRUCTION
  2-INCH TOP LAYER HMA PAVEMENT 4 HT 58-28 H
  4-INCH BOTTOM LAYER HMA PAVEMENT 2 HT 58-28 S
- (3J) BASE AGGREGATE DENSE 3/4-INCH
  THICKNESS TO MATCH ADJACENT
  PAVEMENT
- (3G) 17-INCH BASE AGGREGATE DENSE
  1-1/4-INCH
- (2J) 2-INCH REMOVING ASPHALTIC
  SURFACE MILLING
  2-INCH HMA PAVEMENT 4 HT 58-28 H
- (4F) CONCRETE BARRIER TEMPORARY
  PRECAST LEFT IN PLACE
- (7A) MGS BEAMGUARD 3
- (8H) SURFACE DRAIN PIPE
  CORRUGATED METAL SLOTTED
- (SE) SAFETY EDGE



TYPICAL FINISHED SECTION

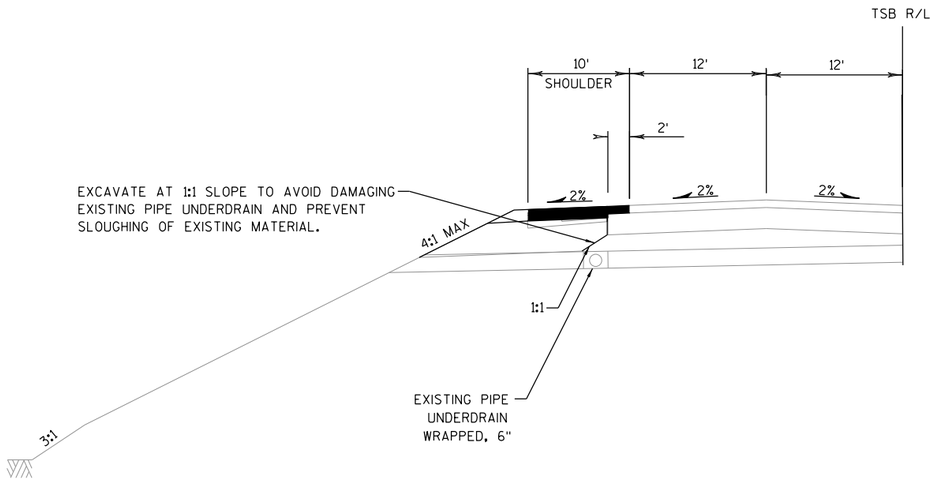
I-39/90
OUTSIDE SHOULDER WIDENING
STA 1652+38'TSB' - STA 1654+07'TSB'

MEDIAN WIDENING
STA 1642+74'TSB' - STA 1655+00'TSB'

FILE NAME = P:\47XX\4739-39-DR-T39-DAN\ENG\C3D\1007\1001\1007101078\SHEETSPLANS\020301_TS.DWG PLOT DATE = 2/16/2016 PLOT BY = KEVIN.DRUNASKY PLOT NAME = PROPOSED-2 PLOT SCALE = 1.IN=20.FT

STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
1498+00.00 'TSB'	NORMAL CROWN	-2.00%	-2.00%	-	-
1500+83.38 'TSB'	END NORMAL CROWN	-2.00%	-2.00%	-2.00%	-2.00%
1501+60.38 'TSB'	LEVEL CROWN	-2.00%	-2.00%	0.00%	0.00%
1502+37.38 'TSB'	BEGIN FULL SUPER	-2.00%	-2.00%	2.00%	2.00%
1533+31.29 'TSB'	END FULL SUPER	-2.00%	-2.00%	2.00%	2.00%
1533+31.29 'TSB'	REVERSE CROWN	-2.00%	-2.00%	2.00%	2.00%
1534+11.29 'TSB'	LEVEL CROWN	-2.00%	-2.00%	0.00%	0.00%
1534+91.29 'TSB'	BEGIN NORMAL CROWN	-2.00%	-2.00%	-2.00%	-2.00%
1534+91.29 'TSB'	BEGIN NORMAL SHOULDER	-2.00%	-2.00%	-2.00%	-2.00%
1554+00.00 'TSB'	BEGIN SHOULDER TRANSITION LT	-2.00%	-2.00%	-2.00%	-2.00%
1555+00.00 'TSB'	SHOULDER 4% LEFT	-4.00%	-2.00%	-2.00%	-2.00%
1558+00.00 'TSB'	END SHOULDER 4% LEFT	-4.00%	-2.00%	-2.00%	-2.00%
1559+00.00 'TSB'	NORMAL SHOULDER LEFT	-2.00%	-2.00%	-2.00%	-2.00%
1601+00.00 'TSB'	END NORMAL SHOULDER	-2.00%	-2.00%	-2.00%	-2.00%
1602+00.00 'TSB'	LEFT SHOULDER 4%	-4.00%	-2.00%	-2.00%	-2.00%
1608+00.00 'TSB'	LEFT SHOULDER 4%	-4.00%	-2.00%	-2.00%	-2.00%
1609+00.00 'TSB'	BEGIN NORMAL SHOULDER	-2.00%	-2.00%	-2.00%	-2.00%
1635+75.00 'TSB'	BEGIN FULL MEDIAN PAVING	-2.00%	-2.00%	-2.00%	-2.00%
1637+00.00 'TSB'	MEDIAN PAVING	-2.00%	-2.00%	-2.00%	-5.20%
1637+75.00 'TSB'	END FULL MEDIAN PAVING	-2.00%	-2.00%	-2.00%	-5.20%
1639+00.00 'TSB'	BEGIN NORMAL CROWN	-2.00%	-2.00%	-2.00%	-2.00%
1642+00.00 'TSB'	BEGIN FULL MEDIAN PAVING	-2.00%	-2.00%	-2.00%	-2.00%
1642+73.99 'TSB'	MEDIAN PAVING	-2.00%	-2.00%	-2.00%	1.00%
1654+04.41 'TSB'	END FULL MEDIAN PAVING	-2.00%	-2.00%	-2.00%	3.80%
1655+52.41 'TSB'	BEGIN NORMAL CROWN	-2.00%	-2.00%	-2.00%	-2.00%
1715+00.00 'TSB'	NORMAL CROWN	-2.00%	-2.00%	-2.00%	-2.00%

STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT SHOULDER
1559+62.33'TBX'	NORMAL CROWN	-2.00%	-2.00%	2.00%
1569+00.00'TBX'	END NORMAL CROWN	-2.00%	-2.00%	2.00%
1569+50.00'TBX'	LEVEL CROWN	0.00%	0.00%	0.00%
1570+00.00'TBX'	BEGIN REVERSE CROWN	2.00%	2.00%	-2.00%



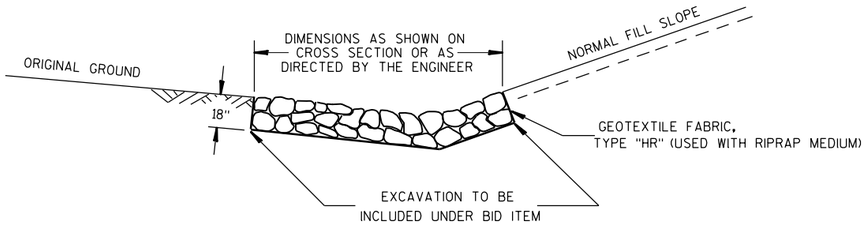
EXCAVATION DETAIL AT PIPE UNDERDRAIN

STA 1515+50'TSB' - STA 1528+50'TSB'
STA 1530+00'TSB' - STA 1537+00'TSB'

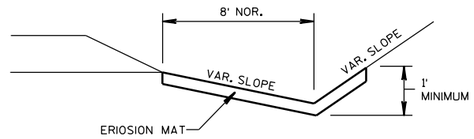
RUNOFF COEFFICIENT TABLE

	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 = 197.1 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 50.0 ACRES

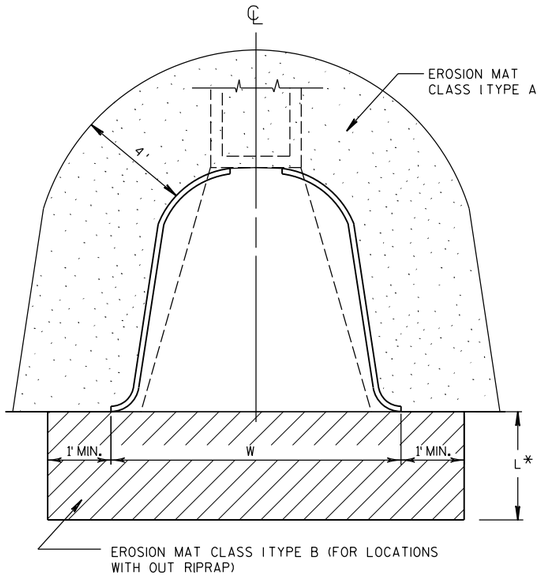


DETAIL FOR RIPRAP MEDIUM IN DITCHES



EROSION MAT DETAIL FOR DITCHES

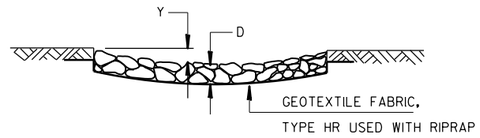
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 10	E



L = 2W (TYP)
INCREASE IF WARRANTED

* TO BE DETERMINED BY ENGINEER IN THE FIELD

EROSION MAT DETAIL AT APRON ENDWALLS

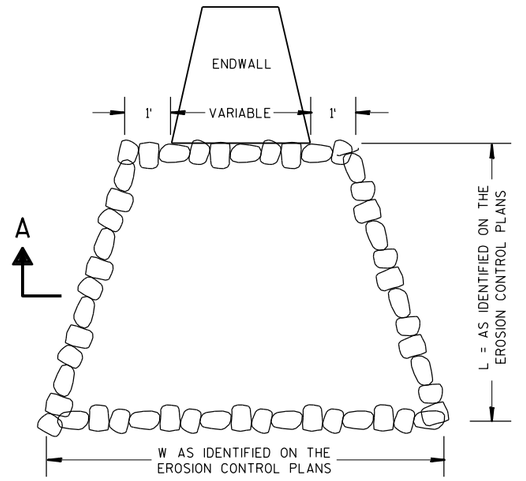


SECTION A-A

D = 18" FOR RIPRAP MEDIUM

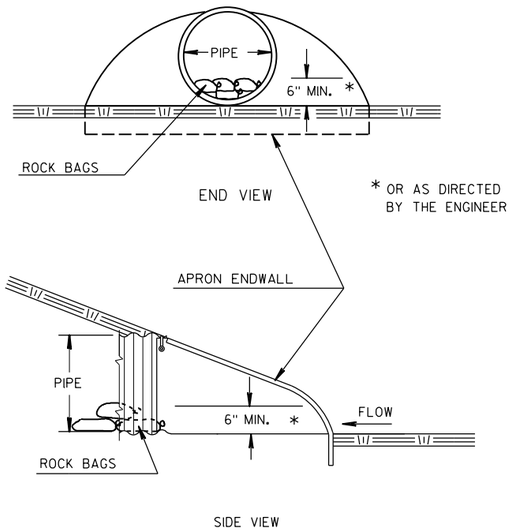
Y = 0' FOR TYPICAL CULVERT DISCHARGE INTO DITCH

12" FOR CULVERT DISCHARGE DOWN EMBANKMENT SLOPE

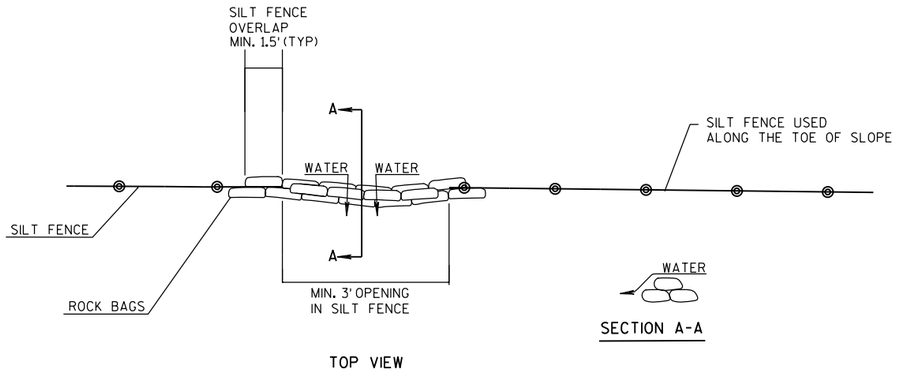


RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

(SEE EROSION CONTROL PLANS FOR LOCATIONS)

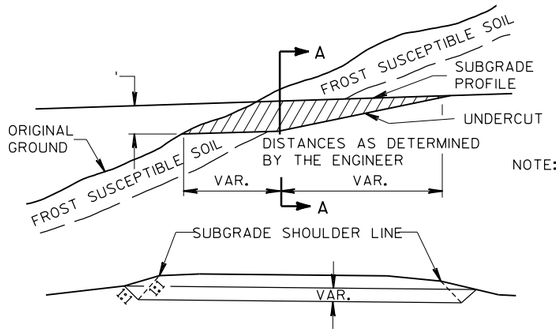


CULVERT PIPE CHECKS DETAIL



SILT FENCE RELIEF DETAIL

PAID AS ROCK BAGS



SECTION A-A

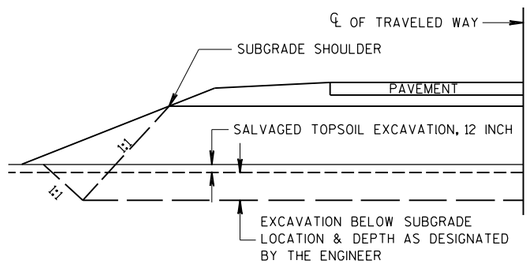
CROSS SECTION SHOWING UNDERCUT

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

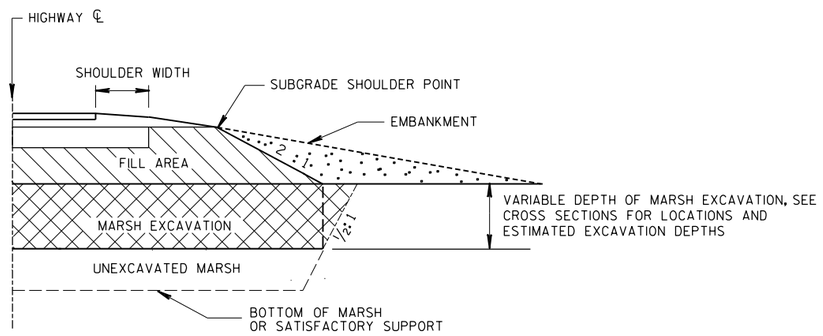
BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.

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

DETAIL FOR EXCAVATION BELOW SUBGRADE AT CUTS



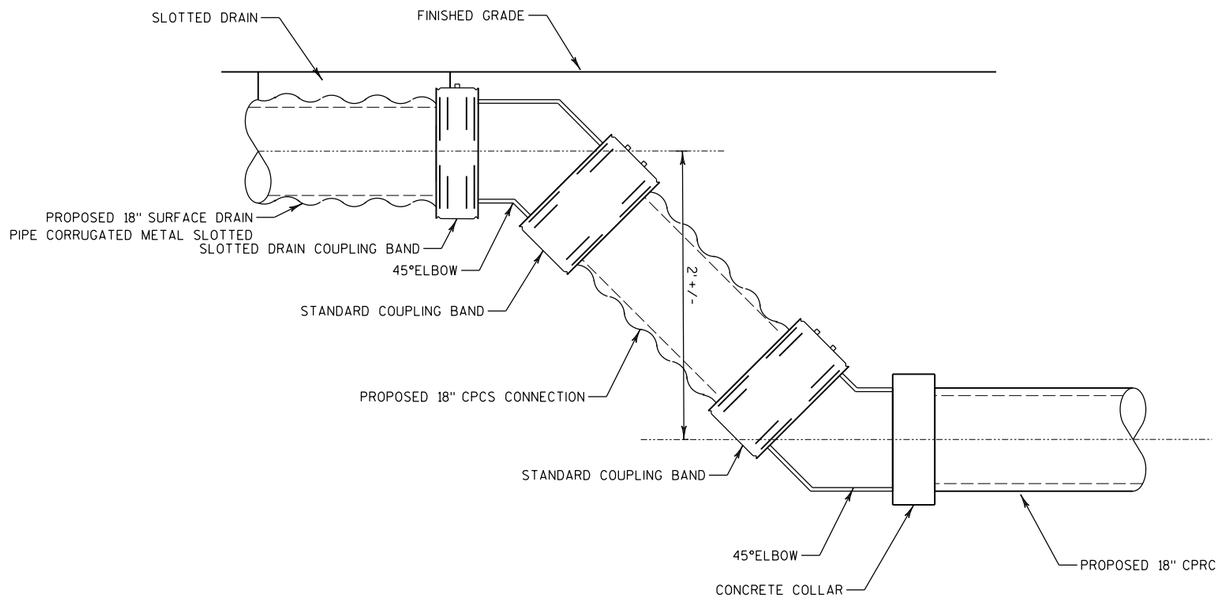
DETAIL FOR EXCAVATION BELOW SUBGRADE



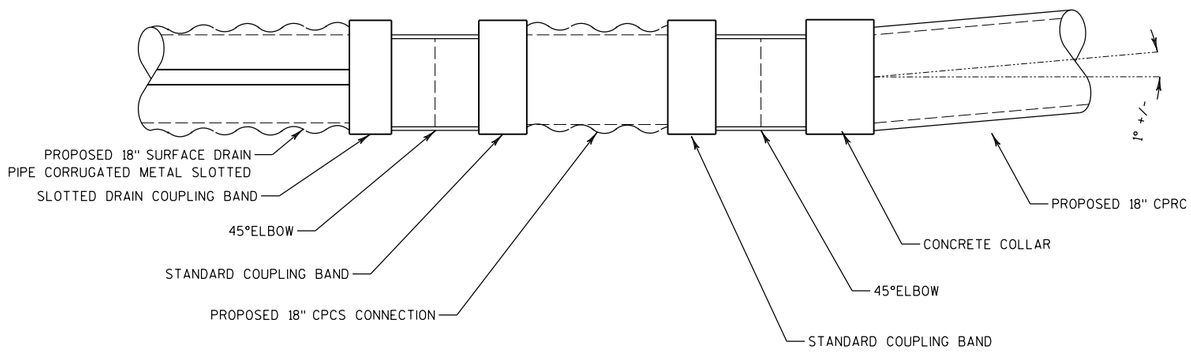
MARSH EXCAVATION DETAIL

NOTES:
MARSH EXCAVATION SHALL BE REPLACED WITH SELECT CRUSHED MATERIAL IN AREAS WHERE WATER IS ENCOUNTERED. WHERE WATER IS ENCOUNTERED, PLACE SELECT CRUSHED MATERIAL TO AN ELEVATION 1FT ABOVE THE WATER LINE. ALL OTHER AREAS SHALL BE REPLACED WITH SELECT BORROW. ALL MARSH EXCAVATION IS TO BE WASTED OFF SITE.

2



PROFILE VIEW

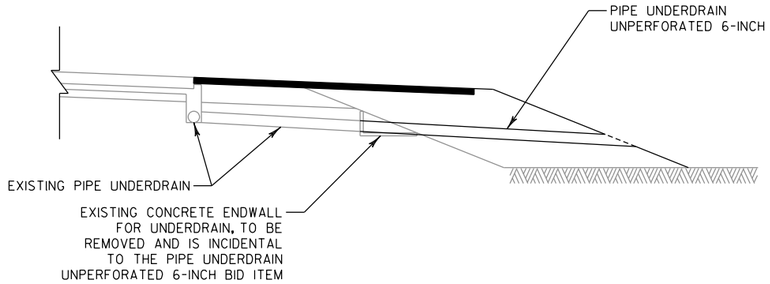


PLAN VIEW

SURFACE DRAIN PIPE CORRUGATED METAL SLOTTED CONNECTION DETAIL

I-39/90
STA 1655+00'TSB'RT

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 12	E

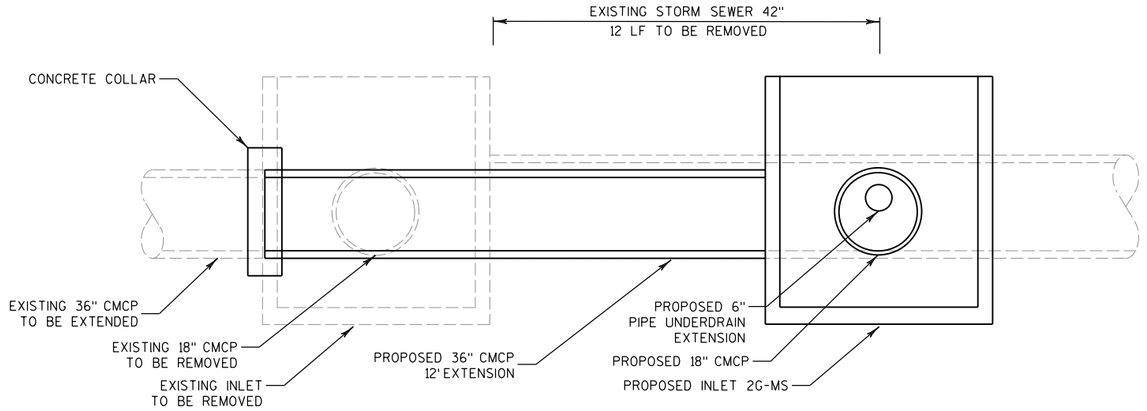


PIPE UNDERDRAIN EXTENSION DETAIL

STAGE 2

1515+12.20'TSB'
*1517+92.32'TSB'
1519+95.14'TSB'
1521+98.33'TSB'

*SEE STORM SEWER SHEETS

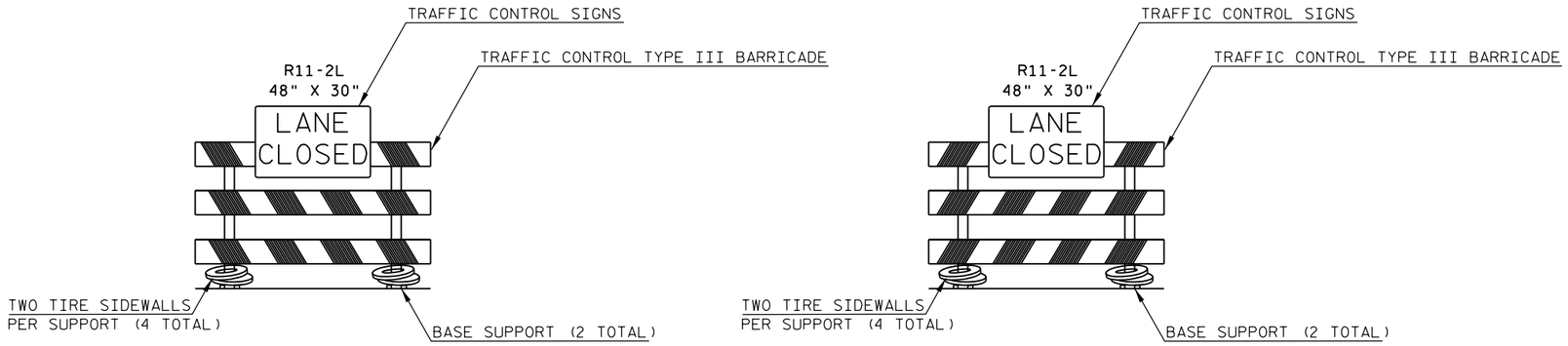


PROFILE VIEW

INLET CONNECTION DETAIL

1518+40'TSB'

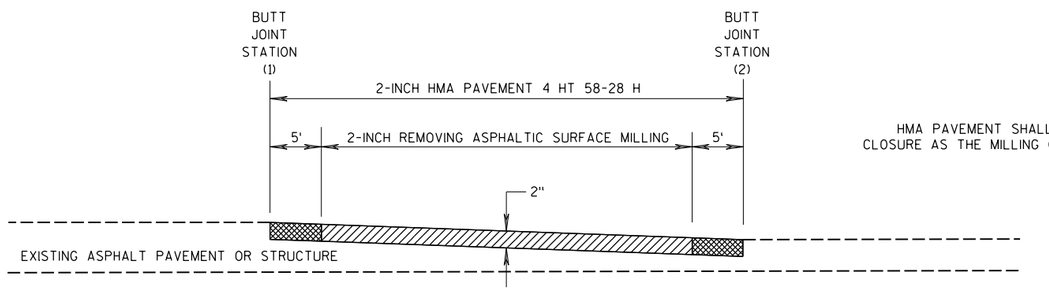
2



TRAFFIC CONTROL BARRICADES TYPE III WITH SIGN

ALL THE FOLLOWING ITEMS PAID FOR AS TRAFFIC CONTROL BARRICADES TYPE III WITH SIGN

- TRAFFIC CONTROL SIGNS R11-2L "LANE CLOSED" - ONE PER BARRICADE
- TRAFFIC CONTROL TYPE III BARRICADE - INCLUDES TWO BASE SUPPORTS PER BARRICADE
- TIRE SIDEWALLS - FOUR PER BARRICADE

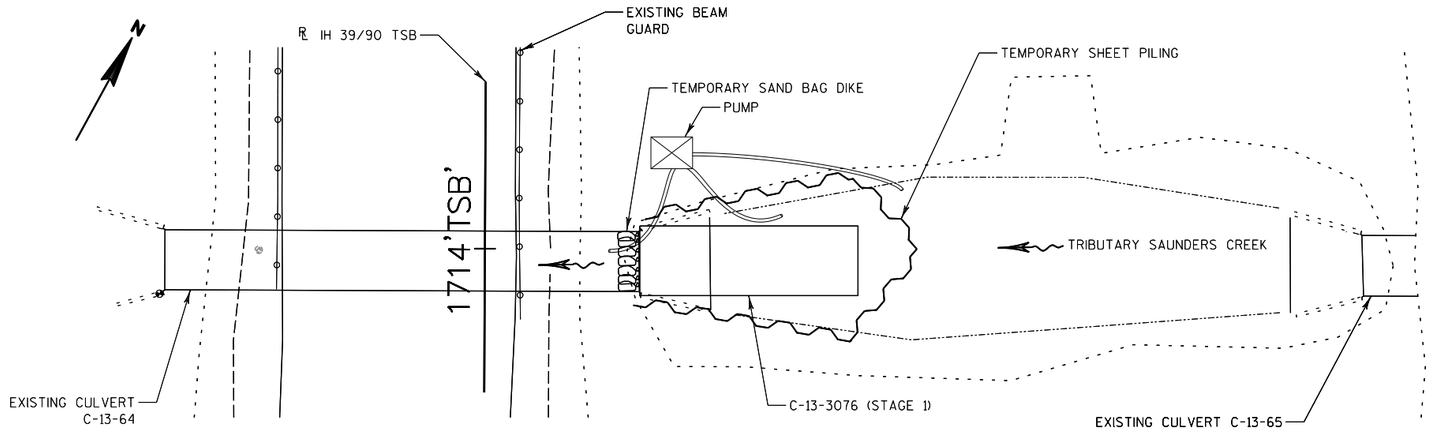


NOTE:
HMA PAVEMENT SHALL BE PLACED DURING THE SAME LANE CLOSURE AS THE MILLING OPERATION PRIOR TO OPENING TO TRAFFIC

PAY LIMITS REMOVING ASPHALTIC SURFACE BUTT JOINTS

REMOVING ASPHALTIC SURFACE BUTT JOINT DETAIL

(1) STA 1656+49'TSB'
(2) STA 1661+41'TSB'
(1) STA 1677+36'TSB'
(2) STA 1679+36'TSB'
(1) STA 1679+92'TSB'
(2) STA 1681+92'TSB'



PLAN VIEW OF DEWATERED WORK ZONE (STAGE 1)

NOTE:
THE DEWATERED WORK ZONE 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 FOR TRIBUTARY SAUNDERS CREEK.

BREAKER RUN, SANDBAGS, AND TEMPORARY SHEET PILING WILL BE PAID UNDER STRUCTURE BID ITEMS "BREAKER RUN" AND "COFFERDAMS C-13-3076'. SEE STRUCTURE PLAN FOR DETAILS.

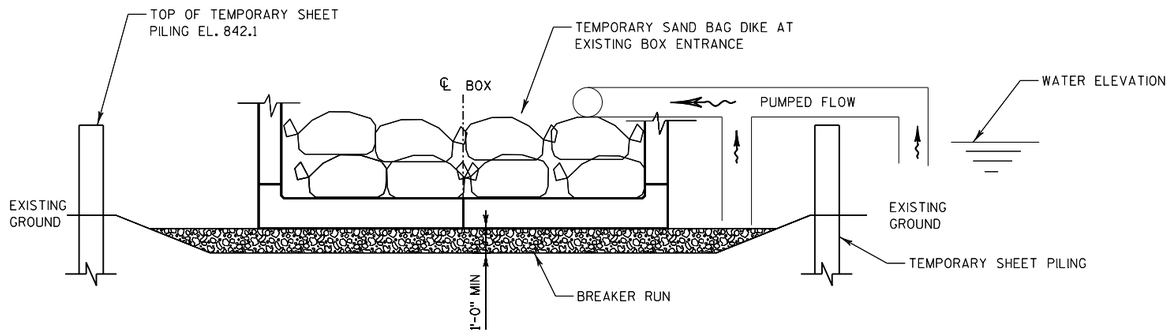
EXCAVATION AND BACKFILL REQUIRED FOR DEWATERING WORK ZONE WILL BE INCLUDED IN STRUCTURE BID ITEM "COFFERDAMS C-13-3076".

THE TOP OF SHEET PILING IS SHOWN AT EL. 842.1 WHICH IS 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. CONTRACTOR MAY CHOOSE TO SET THE TOP OF SHEET PILING AT AN ELEVATION LESSER OR GREATER THAN 842.1 DEPENDING ON THEIR BEST PRACTICES.

A BACKWATER INCREASE DUE TO COFFERDAM IS NOT ALLOWED.

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

SUBMIT A WATER DIVERSION PLAN TO THE ENGINEER IF CONTRACTOR CHOOSES A DIFFERENT METHOD THAN WHAT IS SHOWN IN THE SCHEMATIC.



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CONSTRUCTION DETAIL - BOX CULVERT TEMP. BYPASS CHANNEL	SHEET 15	E

2

MATCH EXISTING
INSTALLED IN
ID 1005-10-72

+00.00'TSB'
106.50' LT

+35.75'TSB'
76.59' LT

3' (TYP.)

R/W

FE01

AG01
AP13
AP00

+00.00'TSB'
34.00' LT

FUTURE LANES

MATCHLINE 1502+00'TSB'

CONCRETE PAVEMENT
PLACED BY OTHERS IN
1005-10-72

I-39/90 SB

1496'TSB' 1497'TSB' 1498'TSB' 1499'TSB' 1500'TSB' 1501'TSB'

℄ 'TSB'

+83.38
+83.38'TSB'
30.50' RT

+60.38

854.18 854.23 854.32 854.51

BEGIN PROJECT 1007-10-78
STA 1498+00.00'TSB'

98'NBE' 99'NBE' 100'NBE' 101'NBE' 102'NBE' 103'NBE'

℄ 'NBE'

I-39/90 NB

TEMP. PAVEMENT
PLACED BY OTHERS IN
1005-10-72

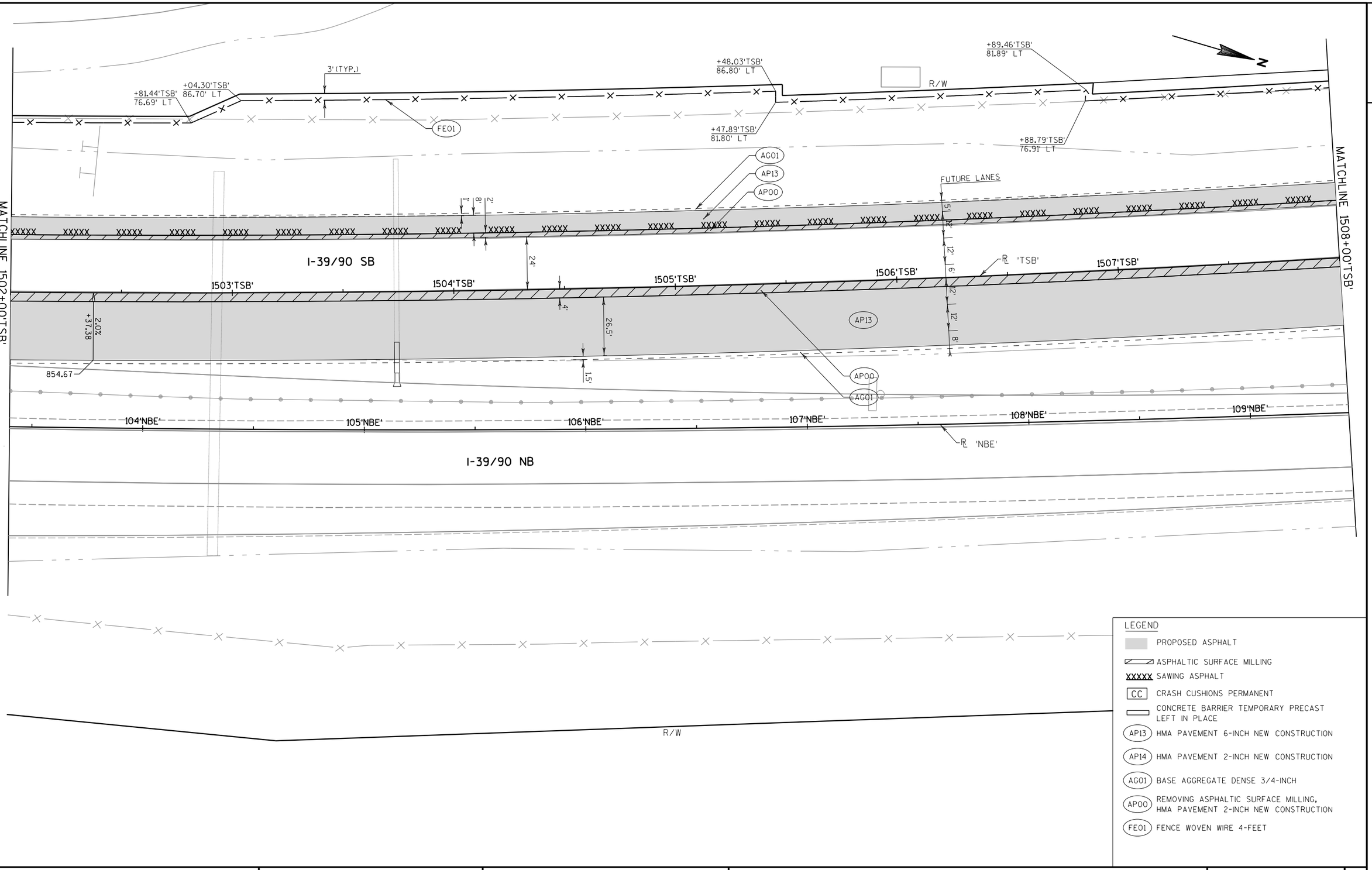
R/W

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 16	E

2



LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (AP13) HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- (AP14) HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP00) REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (FE01) FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 17	E

2

+73.62'TSB'
102.06' LT

R/W

3'(TYP.)

+26.75'TSB'
76.96' LT

FE01

AG01

AP13

AP00

FUTURE LANES

1'

8'

2'

24'

15'

12'

6'

12'

12'

8'

4'

26.5'

1.5'

MATCHLINE 1508+00'TSB'

MATCHLINE 1514+00'TSB'

1509'TSB'

1510'TSB'

1511'TSB'

℄ 'TSB'

1512'TSB'

1513'TSB'

I-39/90 SB

AP13

AP00

AG01

110'NBE'

111'NBE'

112'NBE'

113'NBE'

114'NBE'

115'NBE'

℄ 'NBE'

I-39/90 NB

R/W

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 18	E

2

3'(TYP.)

R/W

FE01

+73.42'TSB'
102.27' LT

+84.89'TSB'
88.91' LT

N

AG01
AP13
AP00

1' 8" 2"

24"

4"

26.5'

1.5'

FUTURE LANES

5' 12' 12' 6' 12' 12' 8'

EXISTING 6" PIPE
UNDERDRAIN OUTLET

EXISTING 6" PIPE
UNDERDRAIN OUTLET

EXISTING 6" PIPE
UNDERDRAIN OUTLET

MATCHLINE 1514+00'TSB'

MATCHLINE 1520+00'TSB'

I-39/90 SB

℄ 'TSB'

1515'TSB' 1516'TSB' 1517'TSB' 1518'TSB' 1519'TSB'

℄ 'NBE'

116'NBE' 117'NBE' 118'NBE' 119'NBE' 120'NBE' 121'NBE'

I-39/90 NB

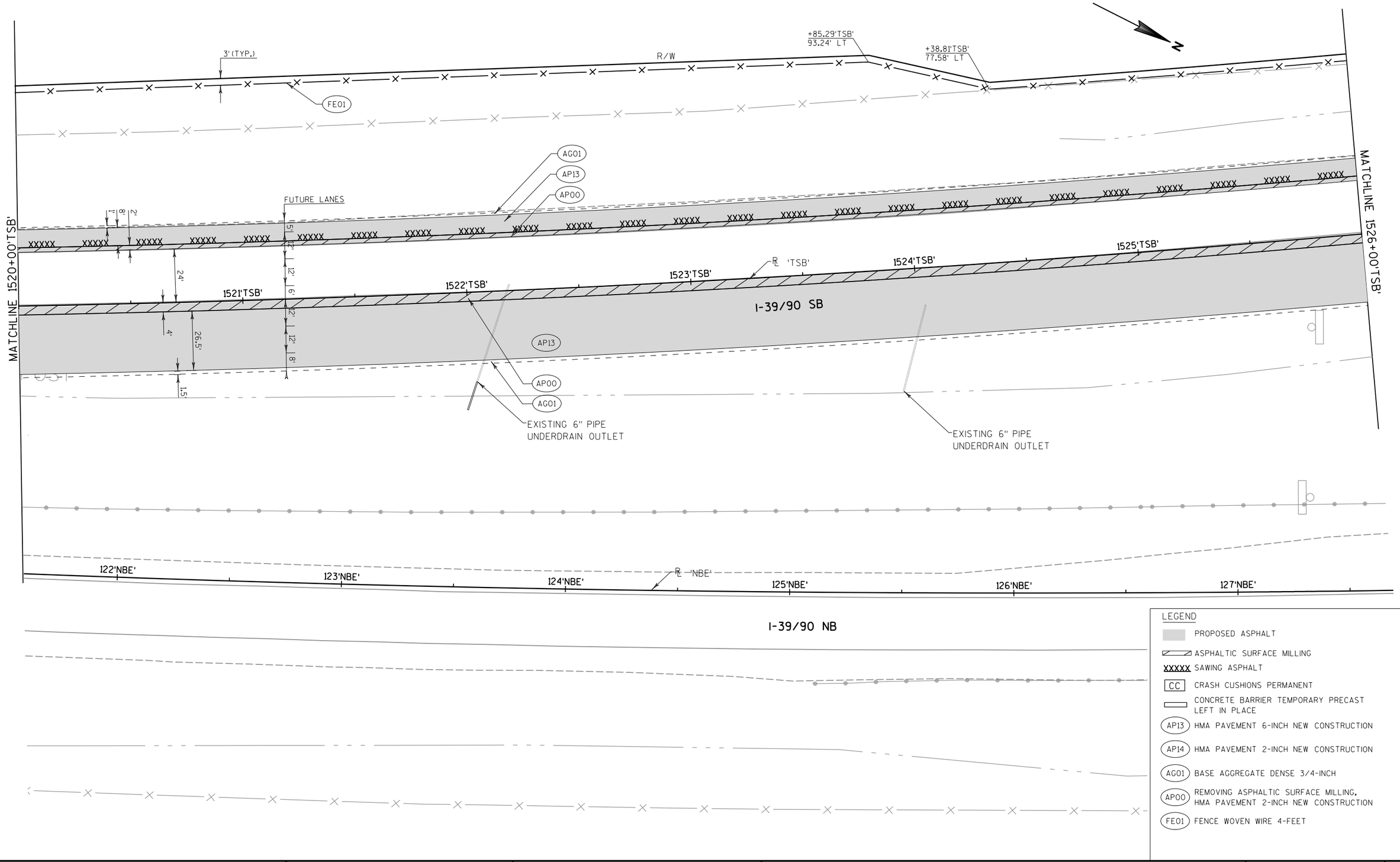
R/W

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (AP13) HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- (AP14) HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP00) REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (FE01) FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 19	E

2



LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 20	E

2

MATCHLINE 1526+00'TSB'

MATCHLINE 1532+00'TSB'

MATCH EXISTING FENCE

+73.96'TSB' 97.72' LT

3' (TYP.)

R/W

+97.96'TSB' 97.77' LT

FE01

+73.97'TSB' 77.68' LT

MATCH EXISTING FENCE

+84.05'TSB' 102.85' LT

R/W

FE01

AG01

AP13

AP00

FUTURE LANES

1'

8'

2'

5'

12'

6'

12'

4'

24'

+08.42'TSB' 24.00' LT

1527'TSB'

1528'TSB'

+12.06'TSB' 0.00'

1529'TSB'

1530'TSB'

+27.87'TSB' 0.00'

℄ 'TSB'

1531'TSB'

+29.00'TSB' 35.15' LT

+28.64'TSB' 24.00' LT

2'

24'

AP00

AP13

AP00

+26.92'TSB' 29.43' RT

+79.75'TSB' 29.43' RT

+01.01'TSB' 28.00' RT

+15.89'TSB' 27.00' RT

4'

AP13

AG01

MATCH EXISTING APPROACH SLAB (TYP.)

B-13-176

EXISTING 6" PIPE UNDERDRAIN OUTLET

2'

12'

14'

4'

1.5'

AG01

+16.34'TSB' 30.50' RT

+66.31'TSB' 32.12' RT

+12.06'TSB' 32.13' RT

LAKE DRIVE ROAD

128'NBE'

129'NBE'

130'NBE'

℄ 'NBE'

131'NBE'

132'NBE'

I-39/90 NB

WEATHER STATION

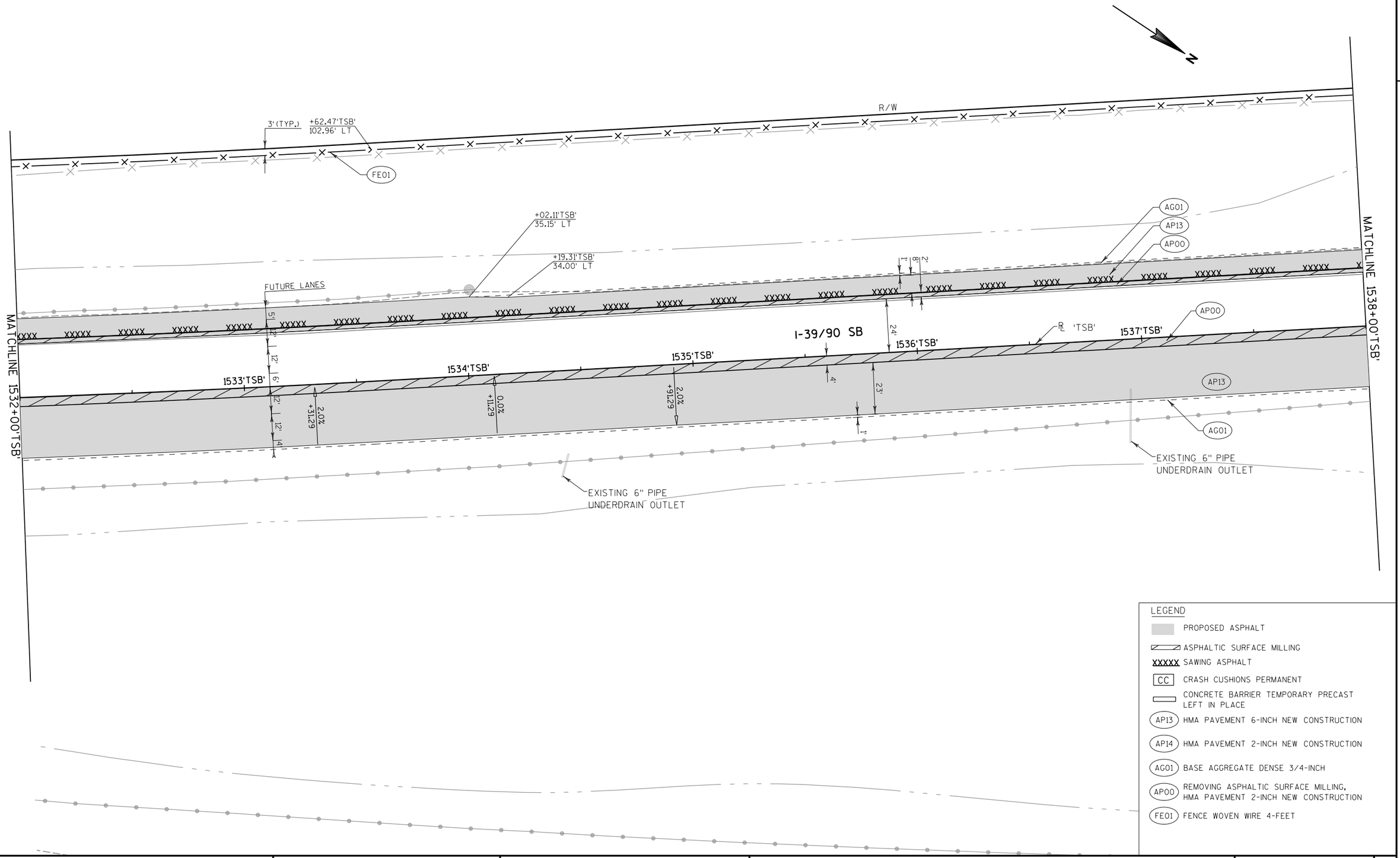
LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (AP13) HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- (AP14) HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP00) REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (FE01) FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 21	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\021207_pd.dgn PLOT DATE : 12/29/2015 PLOT BY : kjd PLOT NAME : $FILE$ PLOT SCALE : 1:40

2

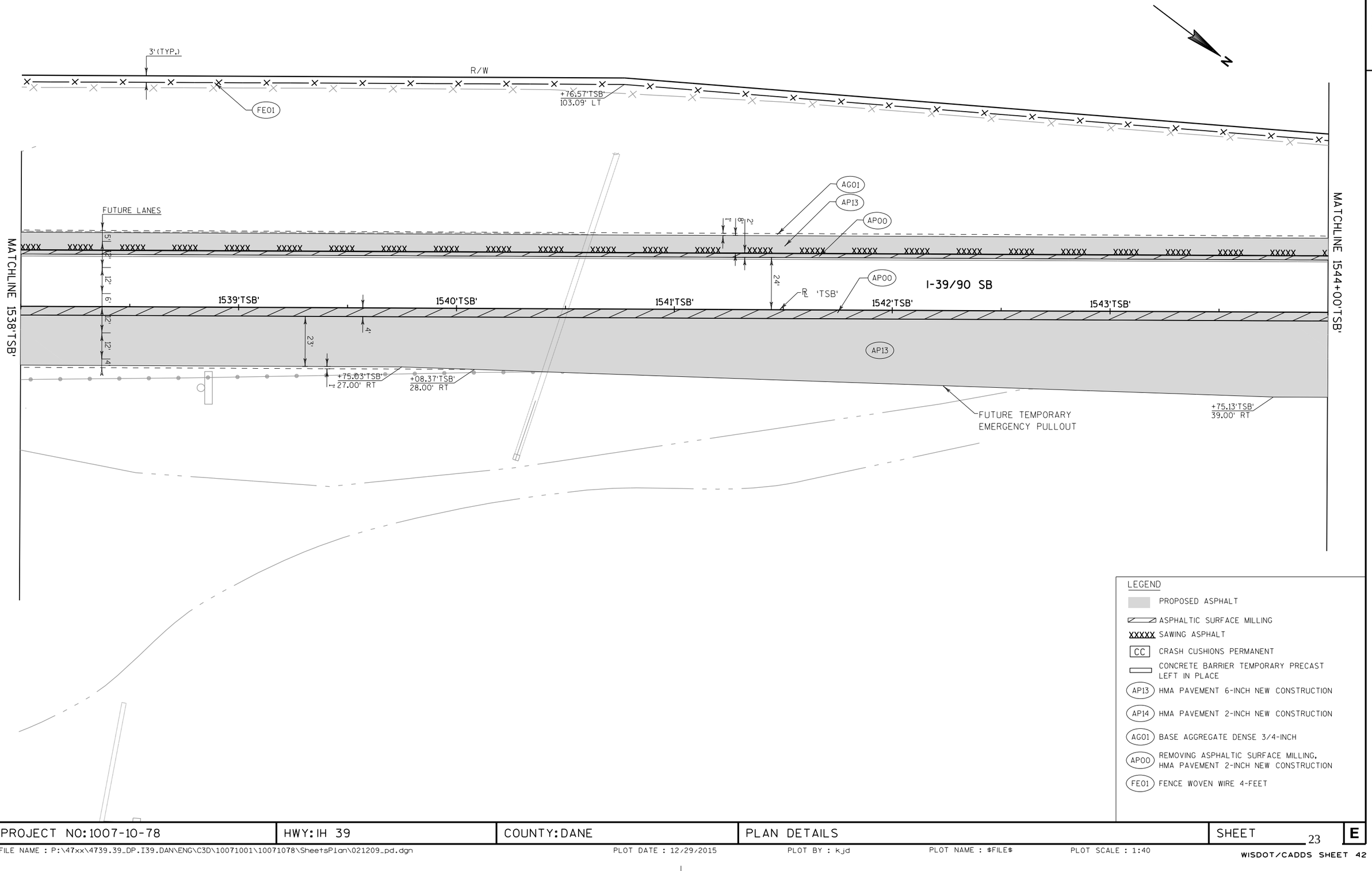


LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 22	E

2

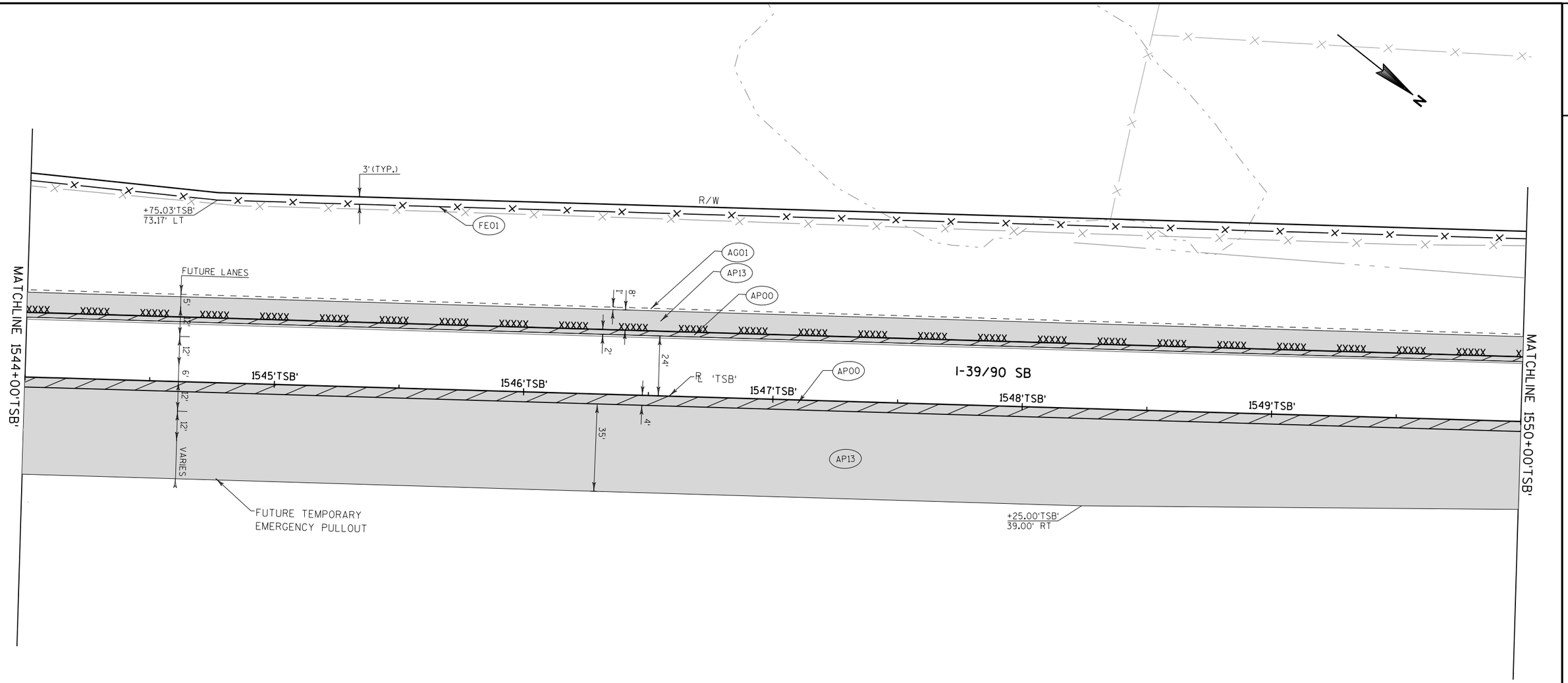


LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (AP13) HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- (AP14) HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP00) REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (FE01) FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 23	E

2

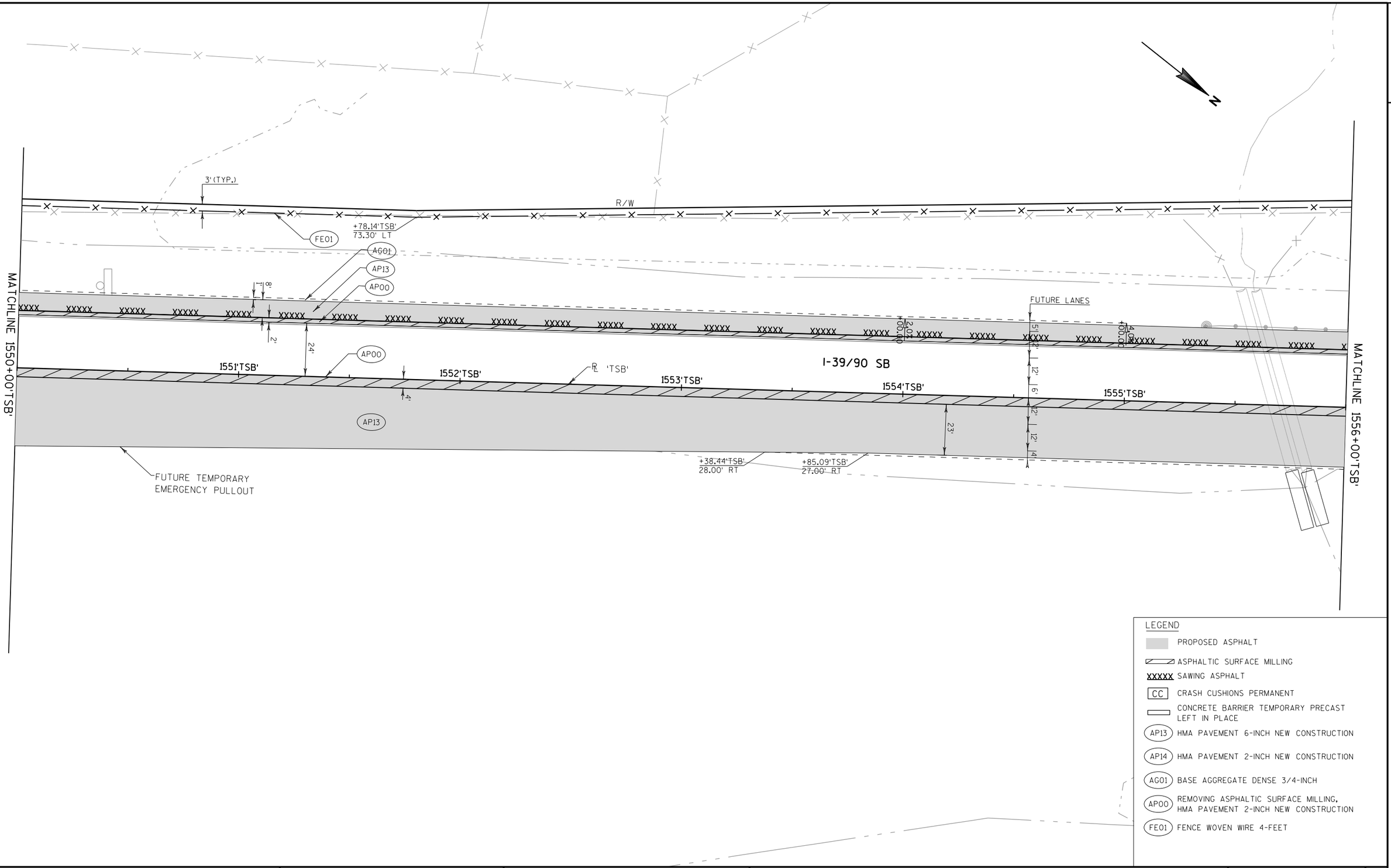


LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (AP13) HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- (AP14) HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP00) REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (FE01) FENCE WOVEN WIRE 4-FEET

2

2



LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 25	E

2

2

N

3'(TYP.)

R/W

FE01

AG01

AP13

AP00

MATCHLINE 1556+00'TSB'

MATCHLINE 1562+00'TSB'

FUTURE LANES

1'

8'

-4.0%
+00.00

2.0%
+00.00

24'

2'

5'

12'

6'

12'

12'

4'

1557'TSB'

1558'TSB'

℄ 'TSB'

1559'TSB'

1560'TSB'

1561'TSB'

I-39/90 SB

4'

23'

1'

+29.00'TSB'
28.00' RT

+37.19'TSB'
27.00' RT

1560'TBX'

℄ 'TBX'

1.5'

+62.69'TBX'
4.50' RT

FUTURE RAMP

STA 1559+62.33'TBX'=
STA 1559+62.33'TSB, 24' RT

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 26	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\021212_pd.dgn PLOT DATE : 12/29/2015 PLOT BY : kjd PLOT NAME : $FILE$ PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

2

N

3'(TYP.)

R/W

+91.73'TSB'
118.50' LT

FE01

FUTURE LANES

5'

12'

12'

6'

12'

12'

VARIES

MATCHLINE 1562+00'TSB'

1'

8'

2'

24'

AG01

AP13

AP00

AP00

℄ 'TSB'

1563'TSB'

1564'TSB'

1565'TSB'

1566'TSB'

1567'TSB'

4'

36.5'

1.5'

I-39/90 SB

AP13

1565'TBX'

+62.69'TBX'
4.50' RT

℄ 'TBX'

FUTURE RAMP

+75.66'TBX'
6.00' RT

832.97

832.71

832.94

833.58

833.49

+27.97'TBX'
19.50' LT

MATCHLINE 1568+00'TSB'

64'NBE'

165'NBE'

166'NBE'

167'NBE'

168'NBE'

169'NB

℄ 'NBE'

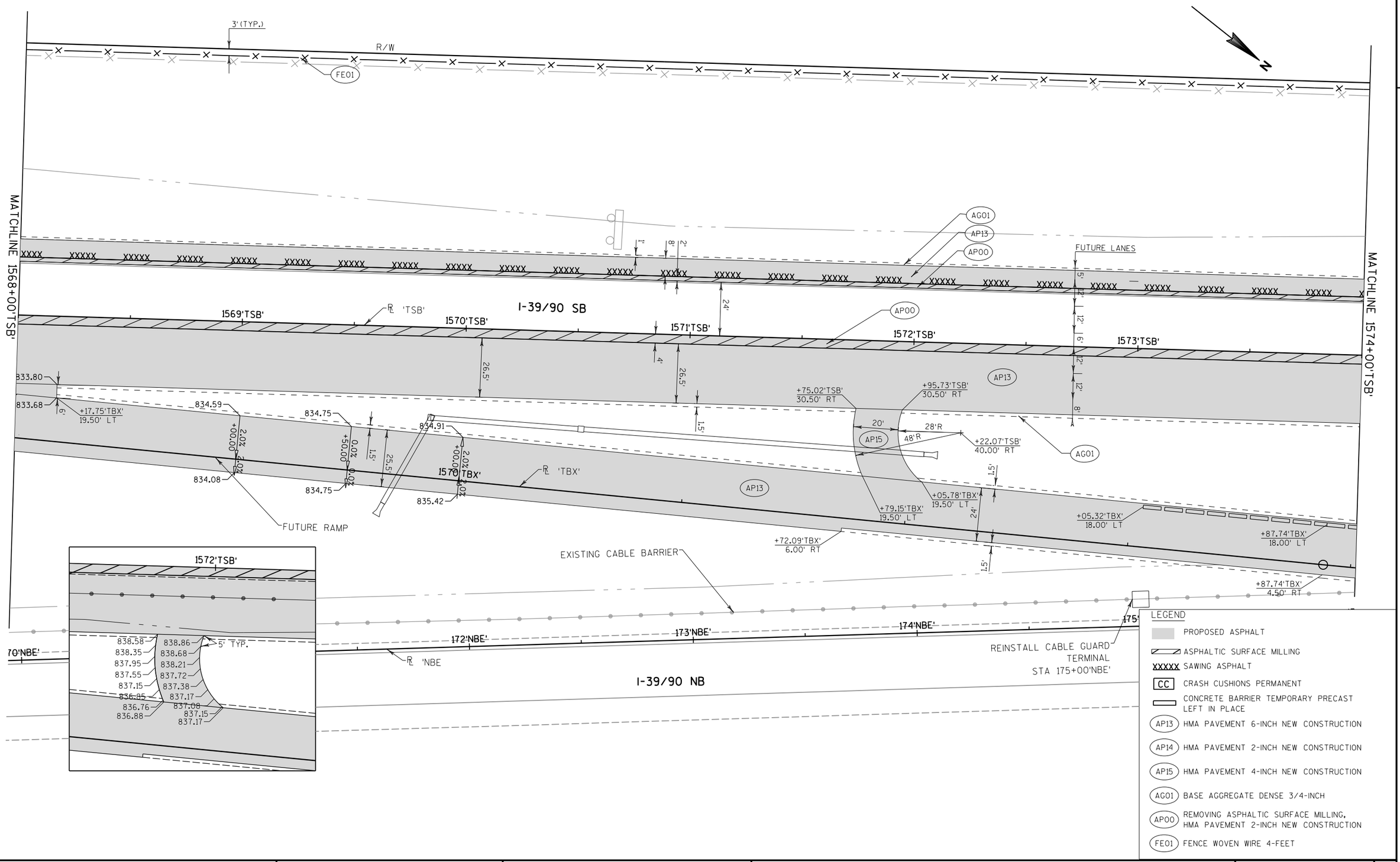
I-39/90 NB

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 27	E

2



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 28	E

2

R/W

+23.70'TSB'
118.73' LT

3'(TYP.)

SIGN

FE01

+19.39'TSB'
113.73' LT

MATCHLINE 1574+00'TSB'

MATCHLINE 1580+00'TSB'

AG01

AP13

AP00

FUTURE LANES

8'

2'

1'

5'

12'

24'

6'

1575'TSB'

1576'TSB'

1577'TSB'

1578'TSB'

1579'TSB'

℄ 'TSB'

4'

26.5'

12'

8'

1.5'

+62.33'TSB'
9.00' RT

I-39/90 SB

9'

21.5'

FUTURE RAMP

1575'TBX'

℄ 'TBX'

+01.41'TBX'
18.00' LT

6'NBE'

177'NBE'

178'NBE'

179'NBE'

180'NBE'

181'NBE'

+93.70'NBE'
7.50' LT

+93.70'NBE'
0.00'

℄ 'NBE'

+00.00'NBE'
0.00'

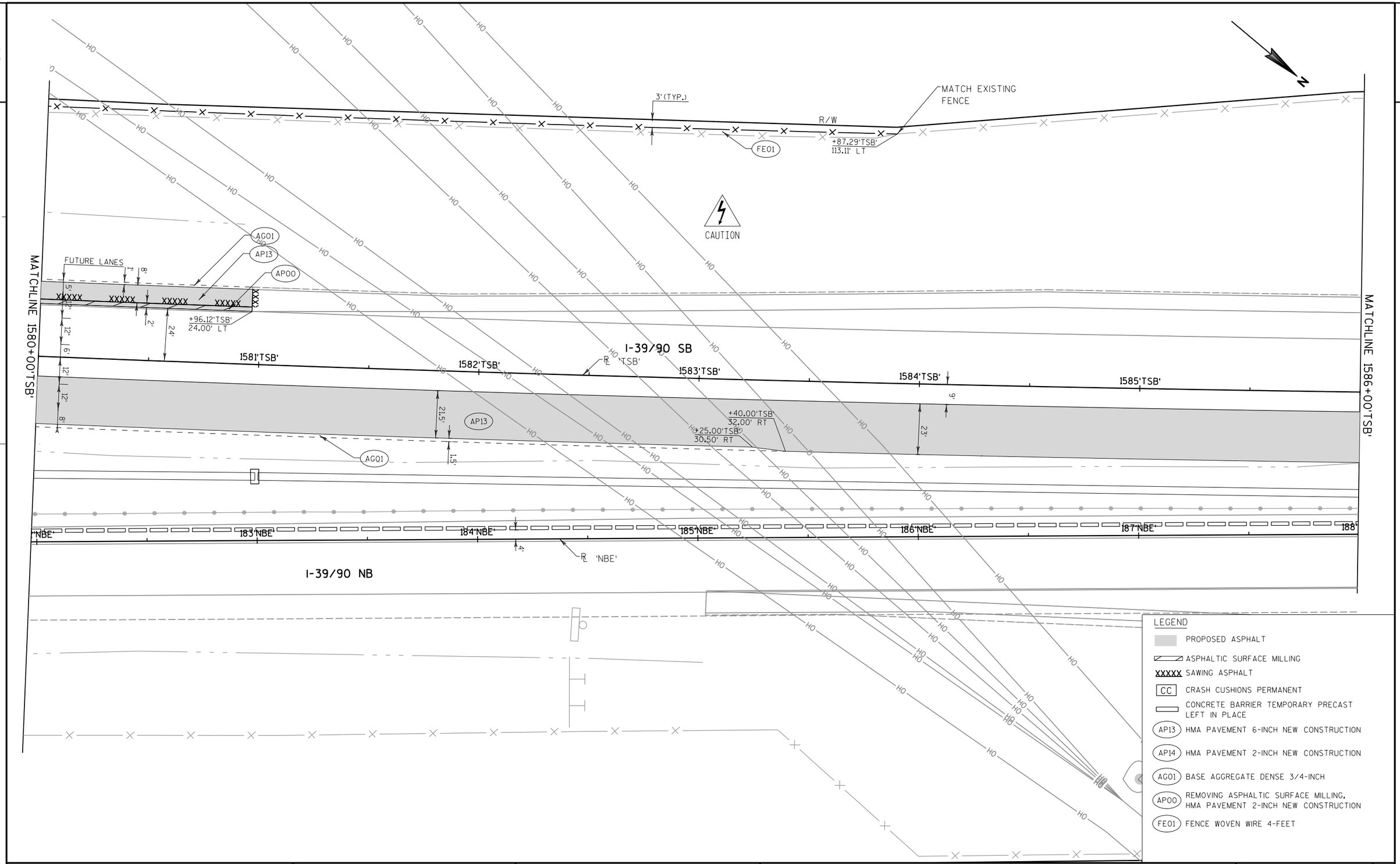
I-39/90 NB

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 29	E

2



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 30	E

2

R/W

0%

0%

N

FUTURE LANES

MATCHLINE 1586+00'TSB'

MATCHLINE 1592+00'TSB'

VARIES

12'

12'

6'

12'

12'

8'

I-39/90 SB

℄ 'TSB'

1587'TSB'

1588'TSB'

1589'TSB'

1590'TSB'

1591'TSB'

9'

23'

AP13

NBE'

189'NBE'

190'NBE'

191'NBE'

192'NBE'

193'NBE'

194'N

4'

℄ 'NBE'

I-39/90 NB

R/W

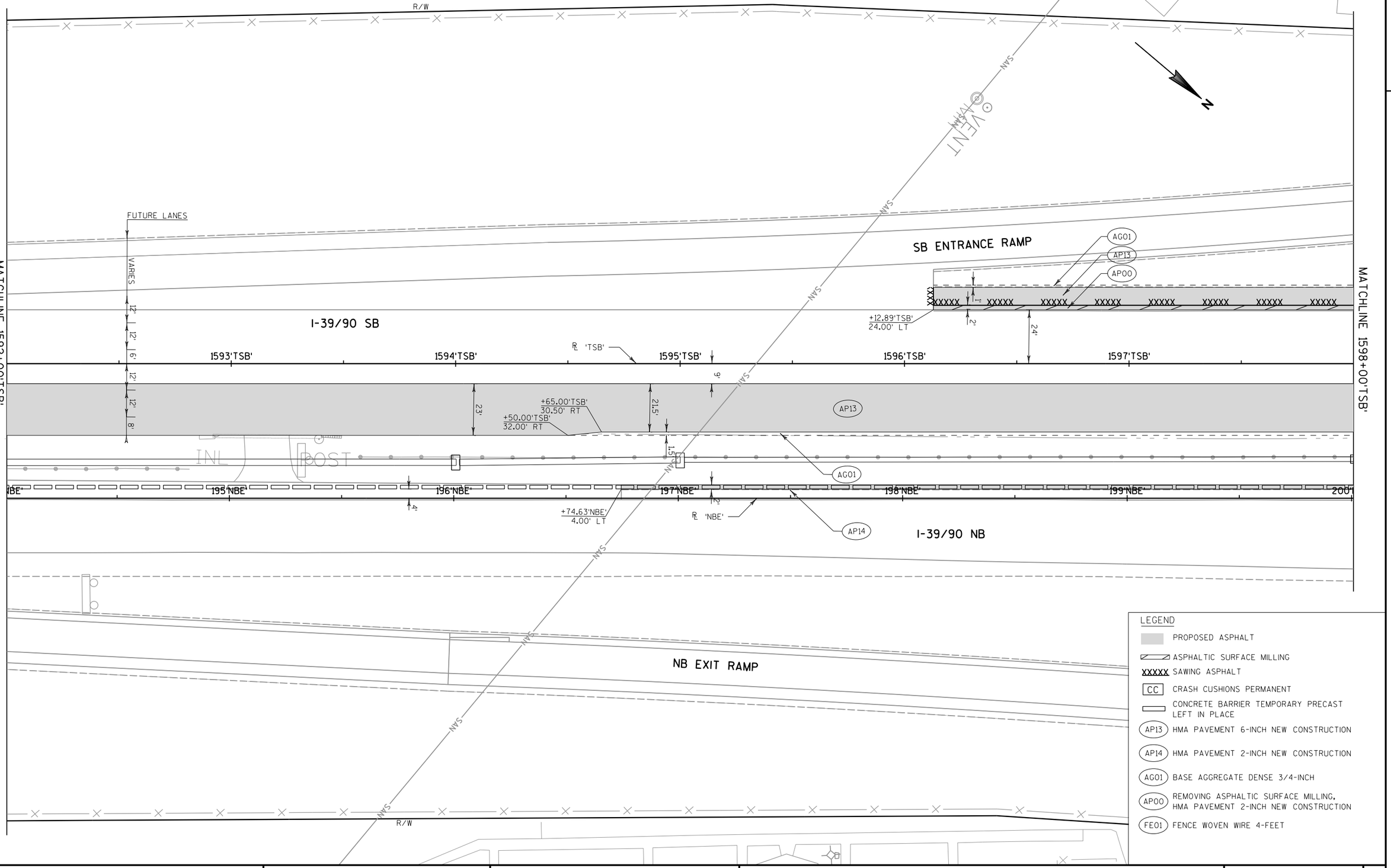
LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 31	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\021217_pd.dgn PLOT DATE : 2/17/2016 PLOT BY : kjd PLOT NAME : $FILE$ PLOT SCALE : 1:40

2



LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (AP13) HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- (AP14) HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP00) REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (FE01) FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 32	E

2

R/W

SB ENTRANCE RAMP

MATCHLINE 1598+00'TSB'

MATCHLINE 1604+00'TSB'

FUTURE LANES

AG01
AP13
AP00

2.0%
60.00

4.0%
60.00

I-39/90 SB

℄ 'TSB'

1599'TSB' 1600'TSB' 1601'TSB' 1602'TSB' 1603'TSB'

AP13

AG01

+00.00'NBE'
8.70' LT

+25.00'NBE'
5.00' LT

+40.12'NBE'
4.00' LT

201'NBE 202'NBE 203'NBE 204'NBE 205'NBE 206'

AP14

℄ 'NBE'

I-39/90 NB

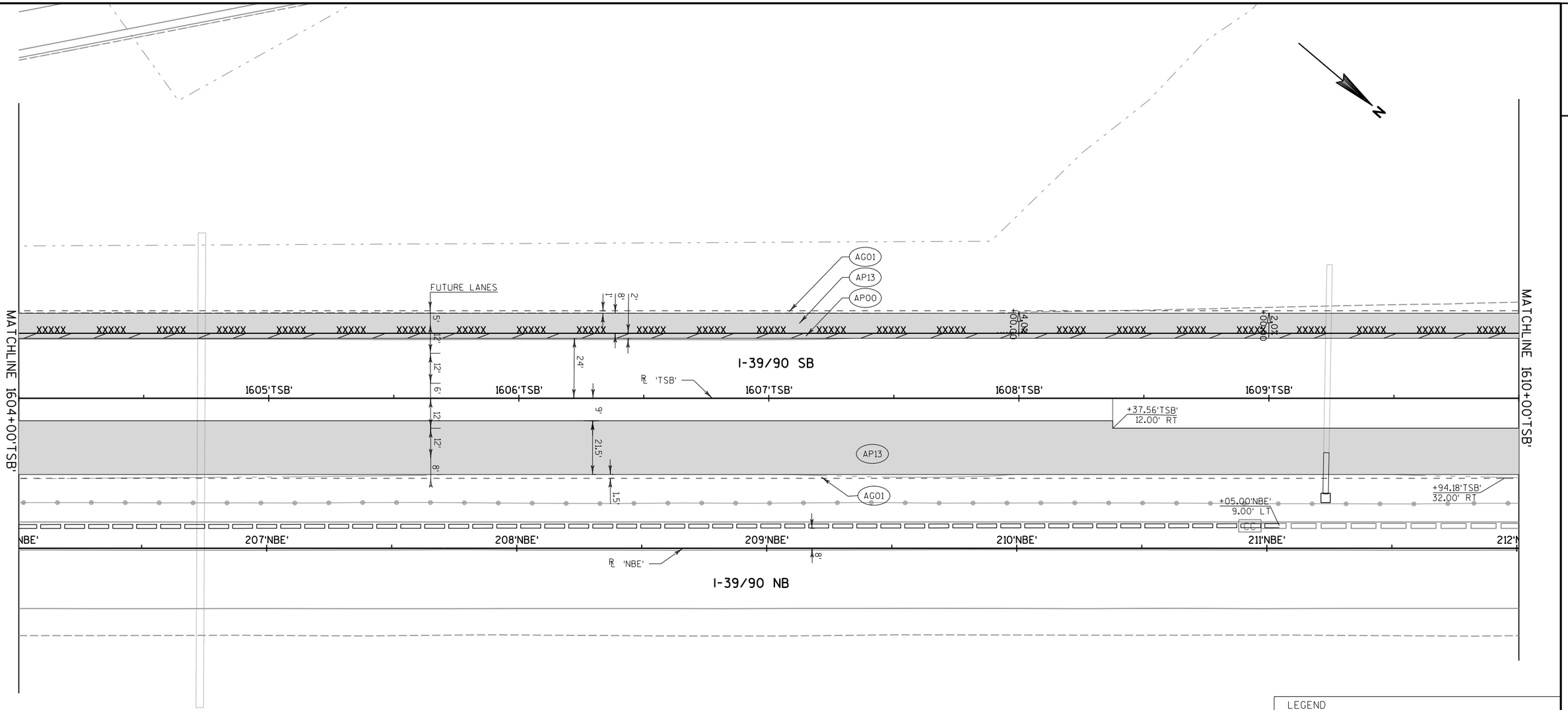
NB EXIT RAMP

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (AP13) HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- (AP14) HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP00) REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (FE01) FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 33	E

2

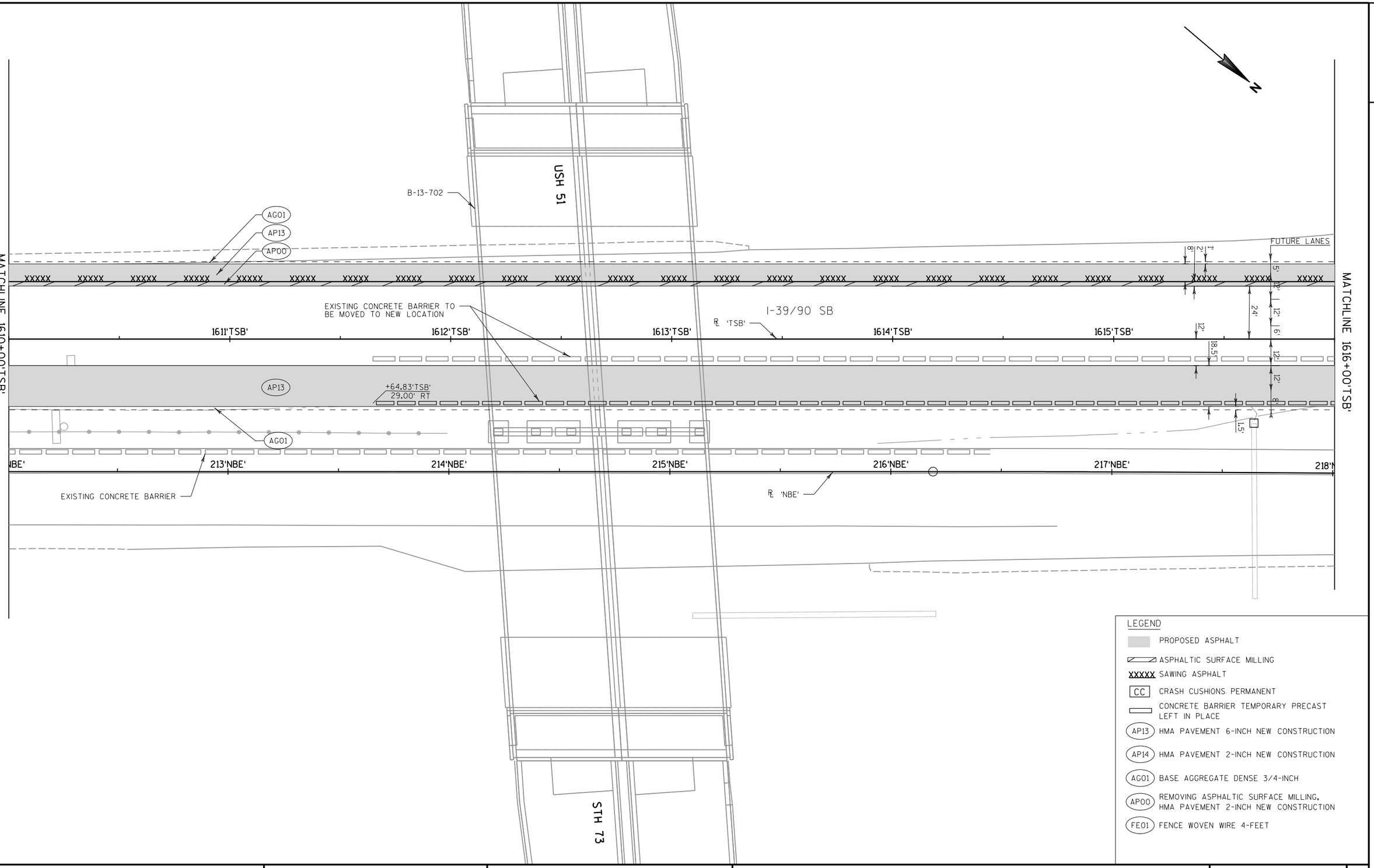


LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (AP13) HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- (AP14) HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP00) REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (FE01) FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 34	E

2

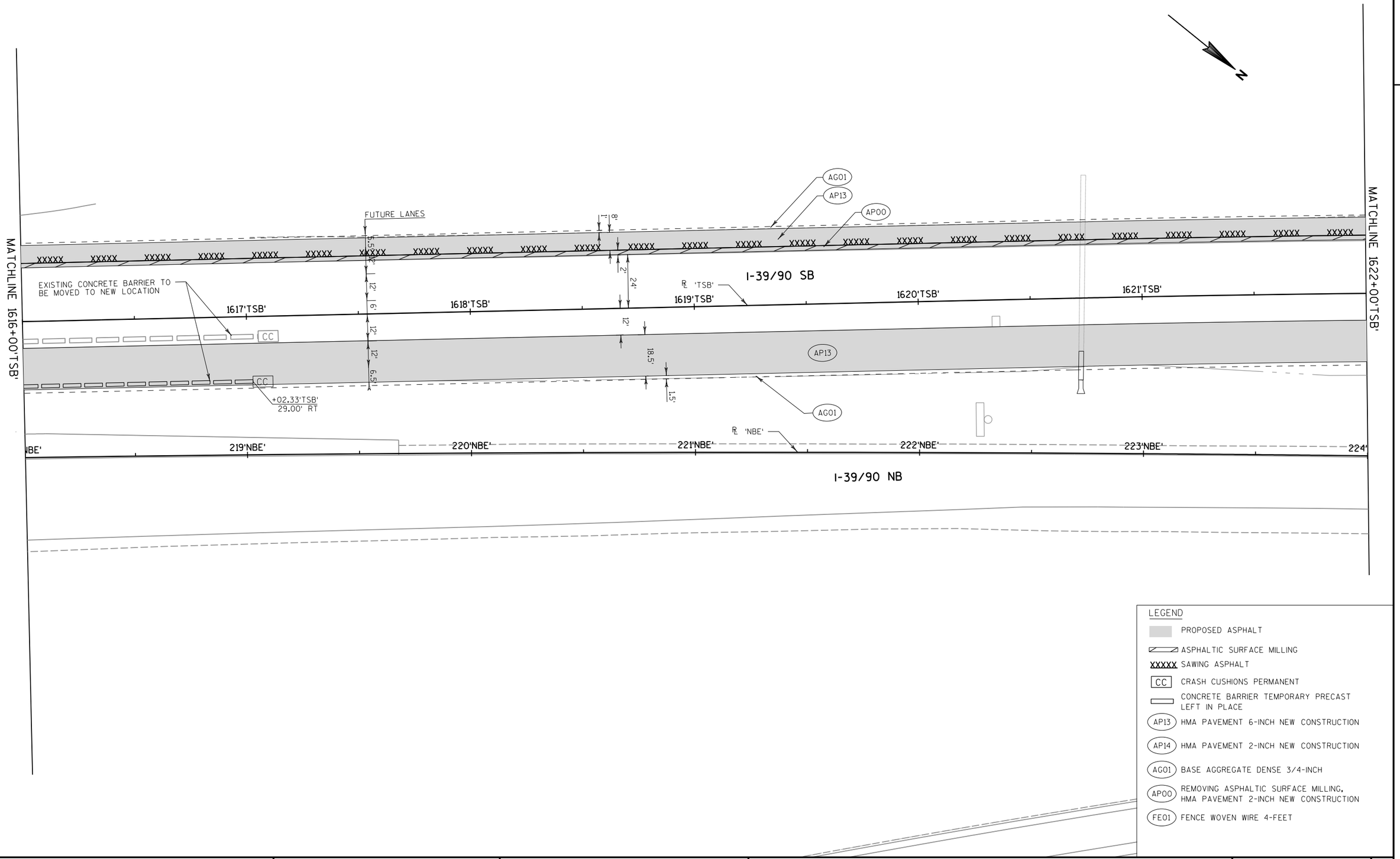


LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 35	E

2



LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 36	E

2

2

R/W

SB EXIT RAMP

N

MATCHLINE 1622+00'SI'

MATCHLINE 1628+00'TSB'

AG01

AP13

AP00

FUTURE LANES

1'

8'

2'

5'

12'

12'

16'

24'

℄ 'TSB'

I-39/90 SB

1623'TSB'

1624'TSB'

1625'TSB'

1626'TSB'

1627'TSB'

+12.33'TSB'
12.00' RT

3'

12'

12'

8'

21.5'

1.5'

AP13

AG01

℄ 'NBE'

NBE'

225'NBE'

226'NBE'

227'NBE'

228'NBE'

229'NBE'

23

I-39/90 NB

NB ENTRANCE RAMP

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (AP13) HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- (AP14) HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP00) REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (FE01) FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 37	E

2

R/W

SB EXIT RAMP

AG01
AP13
AP00

FUTURE LANES

1' 8' 5' 12' 12' 16' 12' 12' 8'

2' 24' 21.5' 1.5'

XXXXX

+31.58'TSB'
24.00' LT

I-39/90 SB

1629'TSB' 1630'TSB' 1631'TSB' 1632'TSB' 1633'TSB'

℄ 'TSB'

9' 23'

AP13

+85.00'TSB'
30.50' RT

+00.00'TSB'
32.00' RT

AG01

MATCHLINE 1628+00'TSB'

MATCHLINE 1634+00'TSB'

℄ 'NBE'

0'NBE' 231'NBE' 232'NBE' 233'NBE' 234'NBE' 235'NBE'

I-39/90 NB

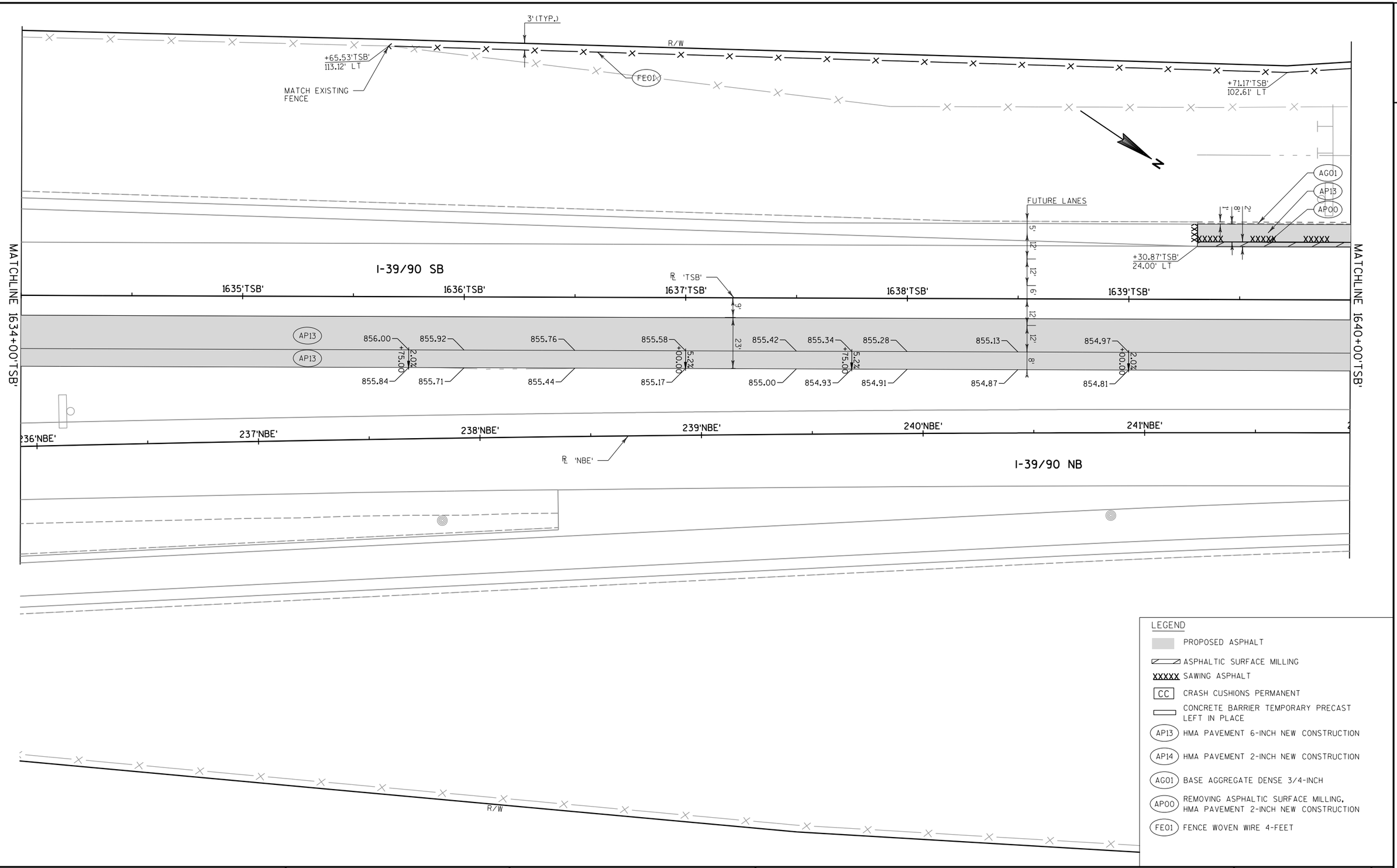
NB ENTRANCE RAMP

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (AP13) HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- (AP14) HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP00) REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (FE01) FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 38	E

2



LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 39	E

2

3'(TYP.)

R/W

FE01

+01.35'TSB'
130.38' LT

N

AG01
AP13
AP00

FUTURE LANES

1'
8'
2'
24'
5'
12'
12'
16'
12'
12'
8'
9'
23'
AP13
+00.00
2.0%

℄ 'TSB'

I-39/90 SB

1641'TSB'
1642'TSB'
1643'TSB'
1644'TSB'
1645'TSB'

+74.00
+00.00
+50.00
+00.00
+50.00
+00.00
+50.00
2.0%
40.5%

+73.99'TSB'
32.00' RT
853.45
0.9%
853.25
0.9%
853.05
0.9%
852.84
1.0%
852.63
1.1%
852.43
1.1%
1.0%

+74.03'TSB'
49.47' RT

242'NBE'
243'NBE'
244'NBE'
245'NBE'
246'NBE'
247'NBE'

℄ 'NBE'

I-39/90 NB

SURFACE DRAIN PIPE
CORRUGATED METAL
SLOTTED

MATCHLINE 1640+00'TSB'

MATCHLINE 1646+00'TSB'

OH

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (AP13) HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- (AP14) HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP00) REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (FE01) FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 40	E

2

+51.20'TSB'
153.00' LT

OH

OH

3'(TYP.)

R/W

FE01

N

AG01
AP13
AP00

MATCHLINE 1646+00'TSB'

MATCHLINE 1652+00'TSB'

FUTURE LANES

1'
8'
2'
24'
9'
5'
12'
12'
6'
12'
12'
12'

I-39/90 SB

℄ 'TSB'

1647'TSB'
1648'TSB'
1649'TSB'
1650'TSB'
1651'TSB'

+62.33'TSB'
9.00' RT

AP13

+50.00 2.0% +00.00 2.0%

852.05
851.86 1.0%
851.68 1.0%
851.47 1.0%
851.27 1.0%
851.07 1.0%
850.87 1.0%
850.66 1.1%
850.44 1.2%
850.21 1.3%
849.92 1.7%

40.5'
VARIES
37.5'

CC

248'NBE'
249'NBE'
250'NBE'
251'NBE'
252'NBE'
253'NBE'

+37.32'TSB'
51.00' RT

SURFACE DRAIN PIPE
CORRUGATED METAL
SLOTTED

I-39/90 NB

EXISTING CONCRETE BARRIER

℄ 'NBE'

EXISTING CRASH CUSHION TO
BE SALVAGED IN STAGE 2
INSTALL NEW CRASH CUSHION
AT END OF STAGE 2

POST

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 41	E

2

MATCHLINE 1652+00'TSB'

MATCHLINE 1658+00'TSB'

3'(TYP.)

R/W

FE01

+01.02'TSB'
129.00' LT

+18.10'TSB'
116.66' LT

MATCH EXISTING FENCE

R/W

+45.03'TSB'
107.99' LT

FE01

MATCH EXISTING FENCE

FILL EXISTING RUMBLE STRIPS

AG01

AP13

AP00

XXXXX

XXXXX

2"

+37.91'TSB'
24.00' LT

+06.50'TSB'
24.00' LT

I-39/90 SB

B-13-703

FUTURE LANES

+49.00'TSB'
26.00' LT

4'

12'

12'

6'

26'

AP00

℄ 'TSB'

1653'TSB'

1654'TSB'

1655'TSB'

1656'TSB'

1657'TSB'

12'

+50.00

2.0%

849.34

2.6%

+00.00

2.0%

849.05

3.0%

37.5'

+50.00

2.0%

848.76

3.4%

+04.41

2.0%

848.44

3.8%

+50.00

2.0%

848.22

AP13

+52.41

2.0%

12'

VARIES

+04.11'TSB'
29.00' RT

18.5'

1.5'

+00.00'TSB'
32.00' RT

+15.00'TSB'
30.50' RT

EXISTING CONCRETE BARRIER TO BE MOVED TO NEW LOCATION

+04.36'TSB'
39.00' RT

+04.41'TSB'
40.50' RT

2.2%

+04.41'TSB'
49.50' RT

254'NBE'

255'NBE'

256'NBE'

257'NBE'

258'NBE'

259'NBE'

SURFACE DRAIN PIPE
CORRUGATED METAL
SLOTTED

℄ 'NBE'

I-39/90 NB

EXISTING CONCRETE BARRIER

EDGERTON RD.

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 42	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\021228_pd.dgn PLOT DATE : 12/29/2015 PLOT BY : kjd PLOT NAME : $FILE$ PLOT SCALE : 1:40

2

MATCHLINE 1658+00'TSB'

MATCHLINE 1664+00'TSB'

3'(TYP.)

R/W

FE01

AG01

AP13

+12.55'TSB'
34.00' LT

FUTURE LANES

8'

5'

12'

12'

16'

26'

℄ 'TSB'

1659'TSB'

1660'TSB'

1661'TSB'

I-39/90 SB

AP00

+41.00'TSB'
0.00' LT

2'

1662'TSB'

1663'TSB'

CC

12'

12'

12'

6.5'

18.5'

1.5'

AP13

AG01

EXISTING CONCRETE BARRIER TO BE MOVED TO NEW LOCATION

+12.33'TSB'
29.00' RT

CC

℄ 'NBE'

260'NBE'

261'NBE'

262'NBE'

263'NBE'

264'NBE'

265'NBE'

I-39/90 NB

OH

R/W

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 43	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\021229_pd.dgn PLOT DATE : 2/17/2016 PLOT BY : kjd PLOT NAME : $FILE$ PLOT SCALE : 1:40

2

3'(TYP.)

R/W

FE01

+84.15'TSB'
121.70' LT

N

AG01
AP13
AP00

FUTURE LANES

8'
5'
12'
12'
6'
12'
12'
12'
8'
2'

MATCHLINE 1664+00'TSB'

MATCHLINE STA 1670'TSB'

I-39/90 SB

AP00

℄ 'TSB'

1665'TSB'
1666'TSB'
1667'TSB'
1668'TSB'
1669'TSB'

4'
AP13
26.5'

+61.95'TSB'
12.00' RT

18.5'
1.5'
1.5'

AG01

℄ 'NBE'

266'NBE'
267'NBE'
268'NBE'
269'NBE'
270'NBE'
271'NBE'

I-39/90 NB

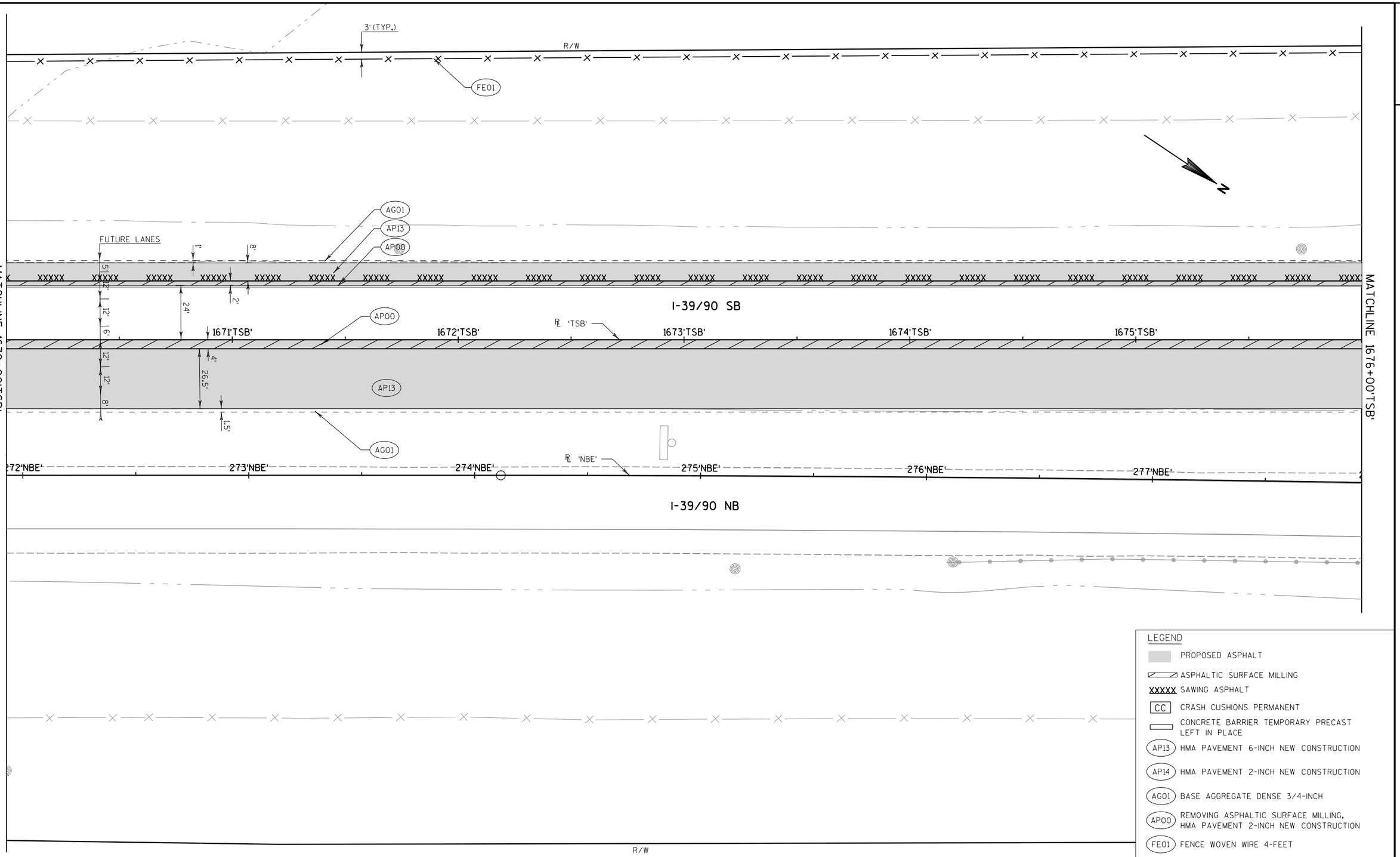
OH

R/W

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (AP13) HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- (AP14) HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP00) REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (FE01) FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 44	E



LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (AP13) HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- (AP14) HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP00) REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (FE01) FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 45	E

2

3'(TYP.)

R/W

FE01

+88.97'TSB'
128.92' LT

+38.30'TSB'
125.28' LT

FE01

BRANCH
SAUNDERS CREEK

AG01

AP13

+36.38'TSB'
35.00' LT

AP13

FUTURE LANES

2'
8'
1'
5'
12'
12'
6'
24'

℄ 'TSB'

1677'TSB'

I-39/90 SB

1678'TSB'

30'

AP00

1679'TSB'

+36.39'TSB'
26.00' LT

+92.30'TSB'
35.68' LT

+92.26'TSB'
26.00' LT

8"

AP00

30'

1680'TSB'

1681'TSB'

MATCHLINE 1676+00'TSB'

MATCHLINE 1682+00'TSB'

+36.00'TSB'
0.00' RT

4'
12'
12'
8'
26.5'

AP13

+36.49'TSB'
6.47' RT

+92.22'TSB'
6.63' RT

+92.22'TSB'
25.00' RT

20'

+92.00'TSB'
0.00'

AP13

+36.49'TSB'
30.50' RT

CC

+36.49'TSB'
32.00' RT

1.5'

4.5'

2'

AP00

+92.22'TSB'
30.50' RT

+42.22'TSB'
25.00' RT

AG01

+52.22'TSB'
29.00' RT

AG01

STRUCTURE B-13-208

+92.22'TSB'
32.00' RT

278'NBE'

279'NBE'

℄ 'NBE'

280'NBE'

281'NBE'

282'NBE'

283'NBE'

I-39/90 NB

R/W

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 46	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\021232_pd.dgn PLOT DATE : 2/17/2016 PLOT BY : kjd PLOT NAME : $FILE$ PLOT SCALE : 1:40

2

3' (TYP.)

R/W

FE01

AG01

AP13

AP00

+60.09'TSB'
35.00' LT

1'

8"

2"

FUTURE LANES

5'

12'

12'

6'

12'

12'

8'

24'

AP00

℄ 'TSB'

I-39/90 SB

1683'TSB'

1684'TSB'

1685'TSB'

1686'TSB'

1687'TSB'

4'

26.5'

AP13

1.5'

AG01

MATCHLINE 1682+00'TSB'

MATCHLINE 1688+00'TSB'

284'NBE'

285'NBE'

286'NBE'

℄ 'NBE'

287'NBE'

288'NBE'

289'NBE'

I-39/90 NB

R/W

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 47	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\021233_pd.dgn PLOT DATE : 12/29/2015 PLOT BY : kjd PLOT NAME : $FILE$ PLOT SCALE : 1:40

2

2

3'(TYP.)

R/W

FE01

+40.29'TSB'
98.60' LT

+40.63'TSB'
89.88' LT

TLE

/ SIGN

+73.91'TSB'
96.84' LT

N

AG01

AP13

AP00

FUTURE LANES

MATCHLINE 1688+00'TSB'

MATCHLINE 1694+00'TSB'

1'

8'

2'

24'

5'

12'

12'

6'

I-39/90 SB

℄ 'TSB'

1689'TSB'

1690'TSB'

1691'TSB'

1692'TSB'

1693'TSB'

AP00

12'

12'

8'

4'

26.5'

AP13

1.5'

AG01

90'NBE'

291'NBE'

℄ 'NBE'

292'NBE'

293'NBE'

294'NBE'

295'NBE'

I-39/90 NB

R/W

LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 48	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\021234_pd.dgn PLOT DATE : 12/29/2015 PLOT BY : kjd PLOT NAME : $FILE$ PLOT SCALE : 1:40

2

GOLF COURSE

TLE

3' (TYP.)

R/W

FE01

+73.72'TSB'
96.91' LT

N

AG01
AP13
AP00

1'
8'
2'

FUTURE LANES

5'
12'
12'
6'

24'

I-39/90 SB

AP00

℄ 'TSB'

1695'TSB'
1696'TSB'
1697'TSB'
1698'TSB'
1699'TSB'

4'

26.5'

AP13

26.5'
12'
12'
8'

1.5'
1.5'

AG01

MATCHLINE 1694+00'TSB'

MATCHLINE 1700+00'TSB'

296'NBE'
297'NBE'
298'NBE'
℄ 'NBE'
299'NBE'
300'NBE'

I-39/90 NB

R/W

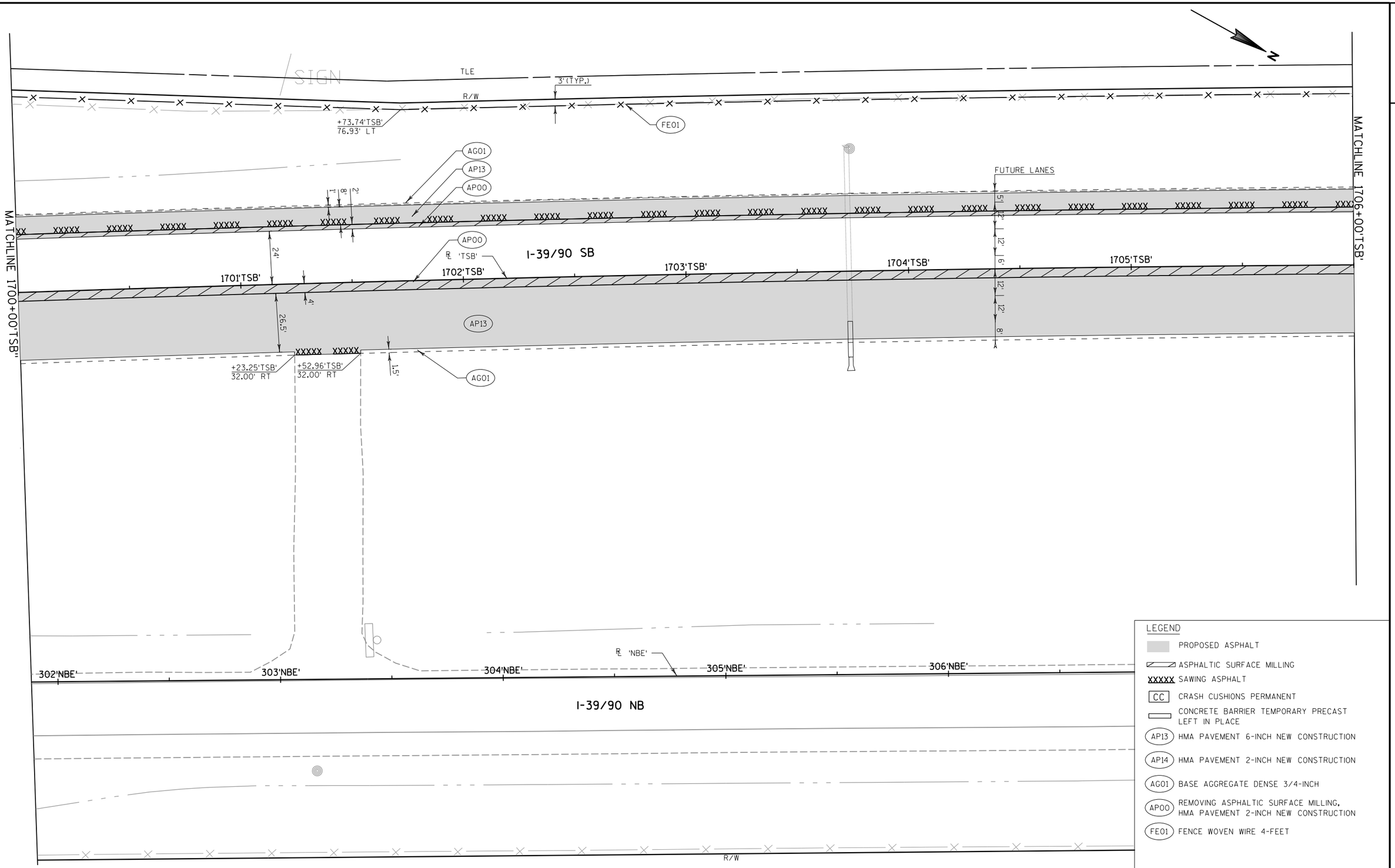
LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (AP13) HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- (AP14) HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP00) REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (FE01) FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 49	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\021235_pd.dgn
PLOT DATE : 12/29/2015
PLOT BY : kjd
PLOT NAME : $FILE$
PLOT SCALE : 1:40
WISDOT/CADDS SHEET 42

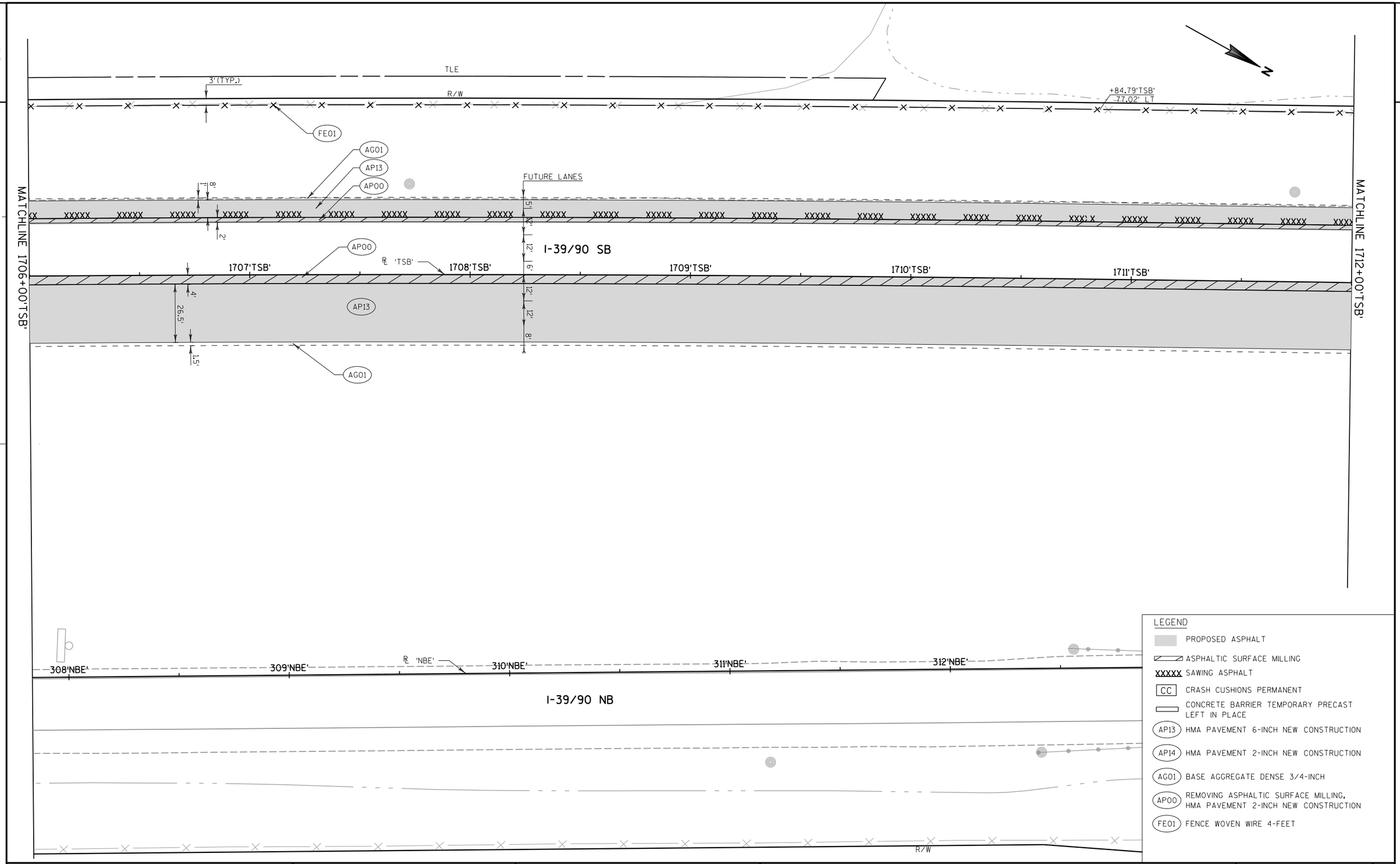
2



LEGEND

- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- (AP13) HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- (AP14) HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP00) REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- (FE01) FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 50	E



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 51	E

2

MATCH FENCE INSTALLED IN PROJECT 1007-10-79

3'(TYP.)

R/W

+68.75'TSB' 77.03' LT

+92.86'TSB' 53.11' LT

+37.20'TSB' 77.03' LT

+00.00'TSB' 77.02' LT

FE01

FE01

AG01

AP13

AP00

PROJECT 1007-10-79

FUTURE LANES

+02.86'TSB' 53.12' LT

MATCHLINE STA 1712'TSB'

1' 8" 2'

5' 12' 6'

24'

+00.00'TSB' 24.00' LT

I-39/90 SB

AP00

1713'TSB'

1714'TSB'

1715'TSB'

℄ 'TSB'

1716'TSB'

1717'TSB'

4' 26.5' 12' 12' 8'

AP13

+00.00'TSB' 30.50' RT

1.5'

AG01

END PROJECT 1007-10-78
STA 1715+00.00'TSB'

STRUCTURE C-13-3076

314'NBE'

315'NBE'

316'NBE'

317'NBE'

℄ 'NBE'

318'NBE'

I-39/90 NB

LEGEND

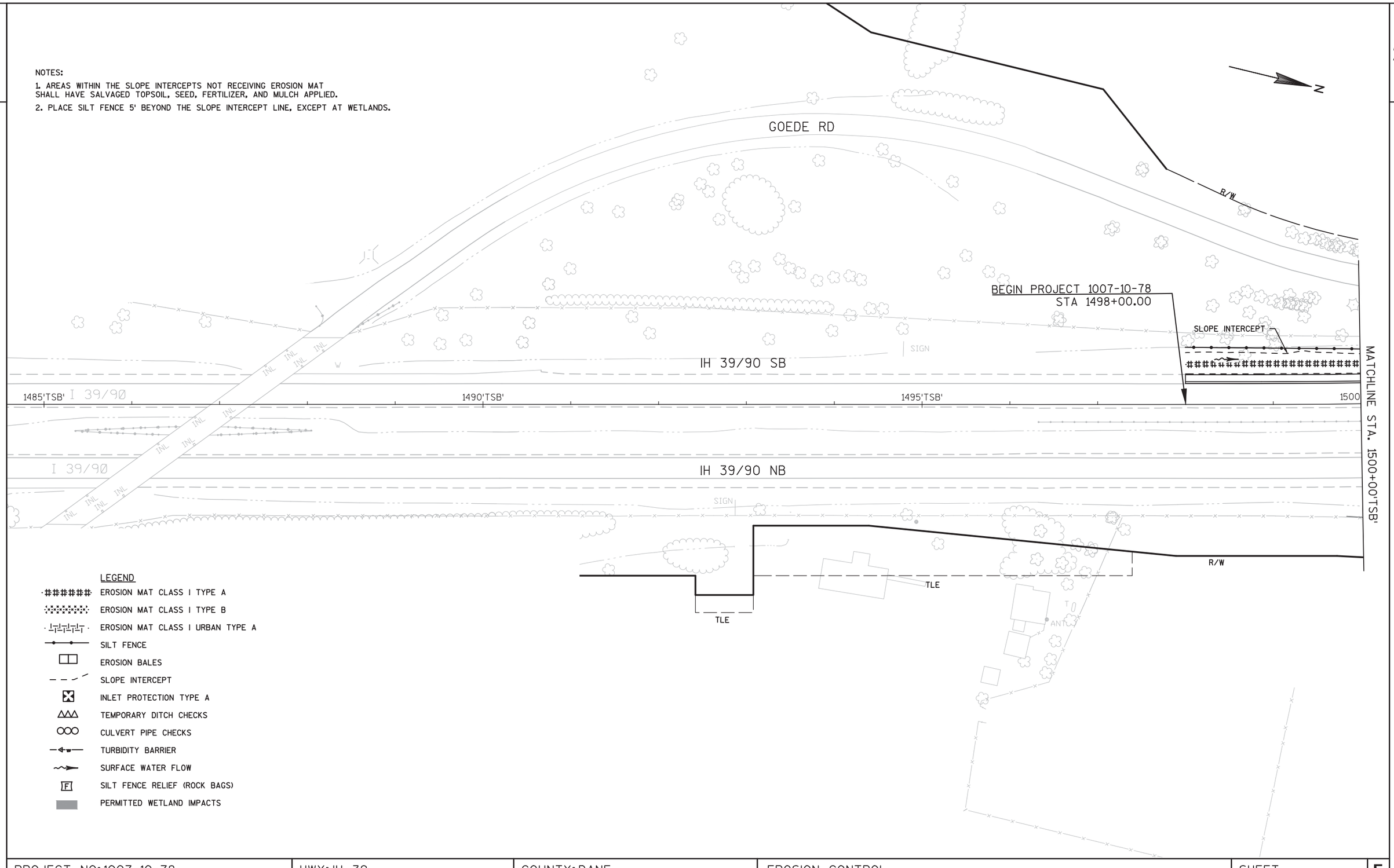
- PROPOSED ASPHALT
- ASPHALTIC SURFACE MILLING
- XXXXX SAWING ASPHALT
- CC CRASH CUSHIONS PERMANENT
- CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE
- AP13 HMA PAVEMENT 6-INCH NEW CONSTRUCTION
- AP14 HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- AG01 BASE AGGREGATE DENSE 3/4-INCH
- AP00 REMOVING ASPHALTIC SURFACE MILLING, HMA PAVEMENT 2-INCH NEW CONSTRUCTION
- FE01 FENCE WOVEN WIRE 4-FEET

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN DETAILS	SHEET 52	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\021238_pd.dgn PLOT DATE : 12/29/2015 PLOT BY : kjd PLOT NAME : $FILE$ PLOT SCALE : 1:40

NOTES:

1. AREAS WITHIN THE SLOPE INTERCEPTS NOT RECEIVING EROSION MAT SHALL HAVE SALVAGED TOPSOIL, SEED, FERTILIZER, AND MULCH APPLIED.
2. PLACE SILT FENCE 5' BEYOND THE SLOPE INTERCEPT LINE, EXCEPT AT WETLANDS.

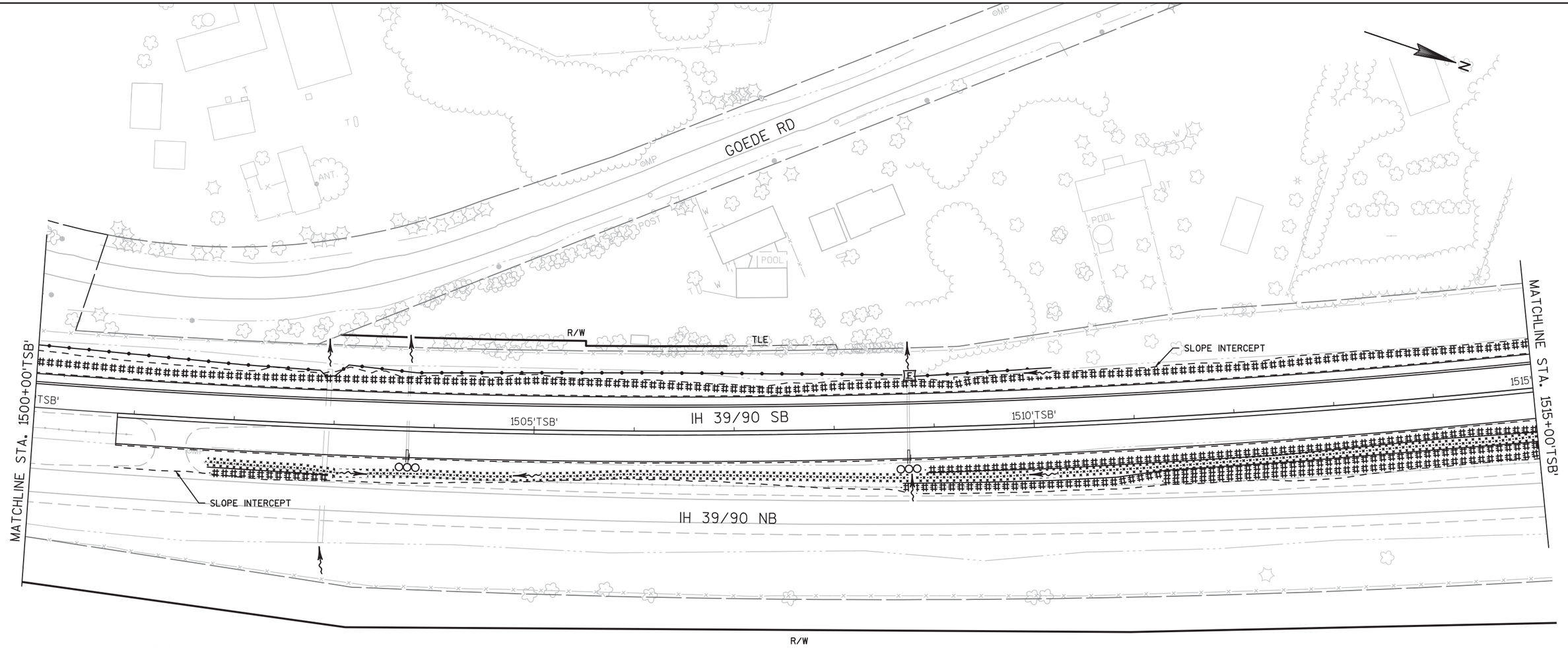


LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	EROSION CONTROL	SHEET 53	E

2



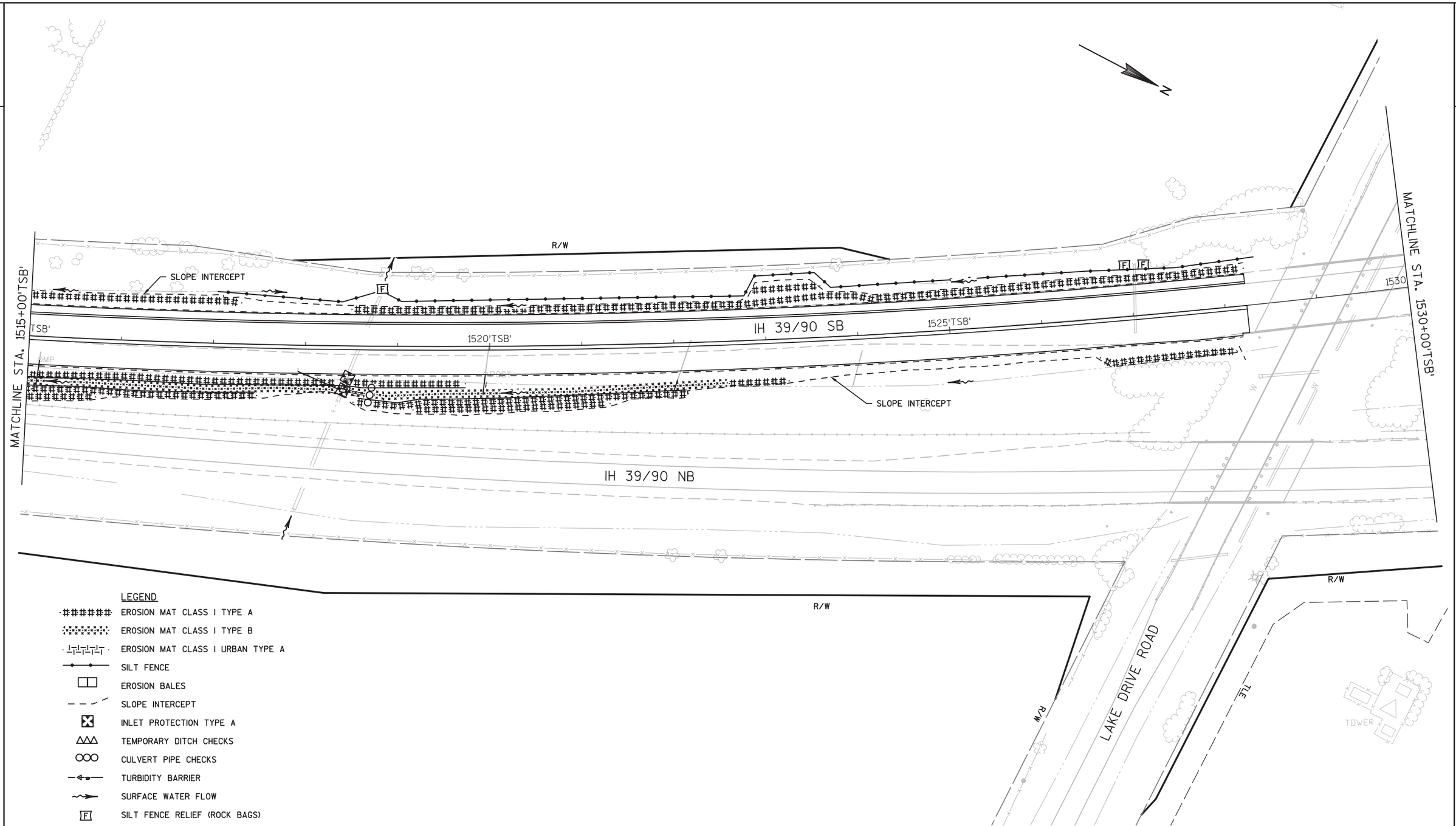
LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

PROJECT NO:1007-10-78	HWY: IH 39	COUNTY: DANE	EROSION CONTROL	SHEET 54	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\022001_EC-78.DWG
LAYOUT NAME - 022302-PS
PLOT DATE : 7/20/2015 12:31 PM PLOT BY : KATIE NAKLES PLOT NAME : _____ PLOT SCALE : 1 IN:100 FT

2



LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

PROJECT NO:1007-10-78	HWY: IH 39	COUNTY: DANE	EROSION CONTROL	SHEET 55	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\022001_EC-78.DWG
LAYOUT NAME - 022303-PS
PLOT DATE : 7/20/2015 12:31 PM PLOT BY : KATIE NAKLES PLOT NAME : _____ PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

MATCHLINE STA. 1530+00'TSB'

MATCHLINE STA. 1545+00'TSB'

R/W

SLOPE INTERCEPT

1545

IH 39/90 SB

1540'TSB'

1535'TSB'

TSB'

SLOPE INTERCEPT

IH 39/90 NB

R/W

SIGN

LEGEND

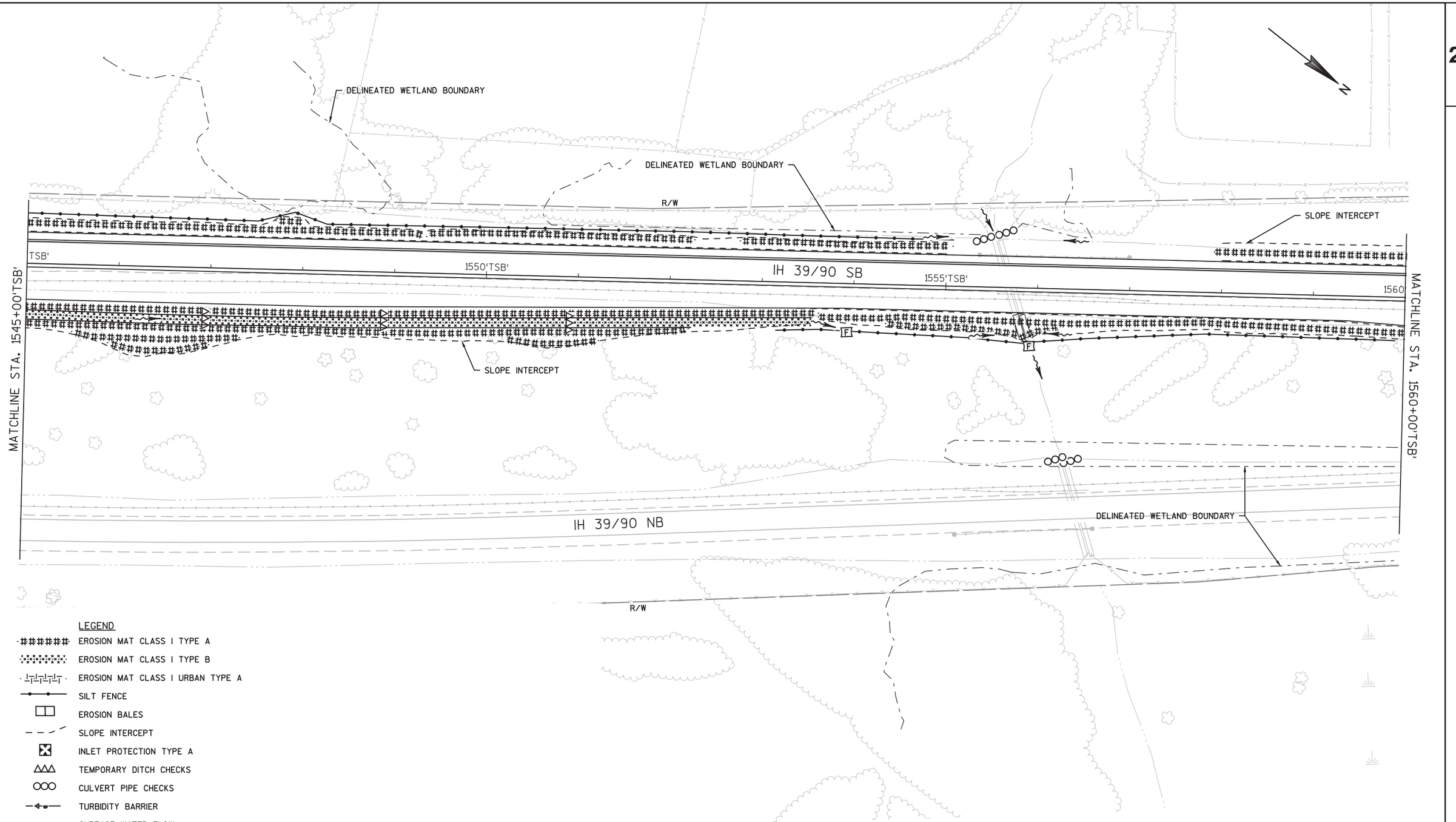
- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	EROSION CONTROL	SHEET 56	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\022001_EC-78.DWG
LAYOUT NAME - 022304-PS

PLOT DATE : 7/20/2015 12:31 PM PLOT BY : KATIE NAKLES PLOT NAME : _____ PLOT SCALE : 1 IN:100 FT

2



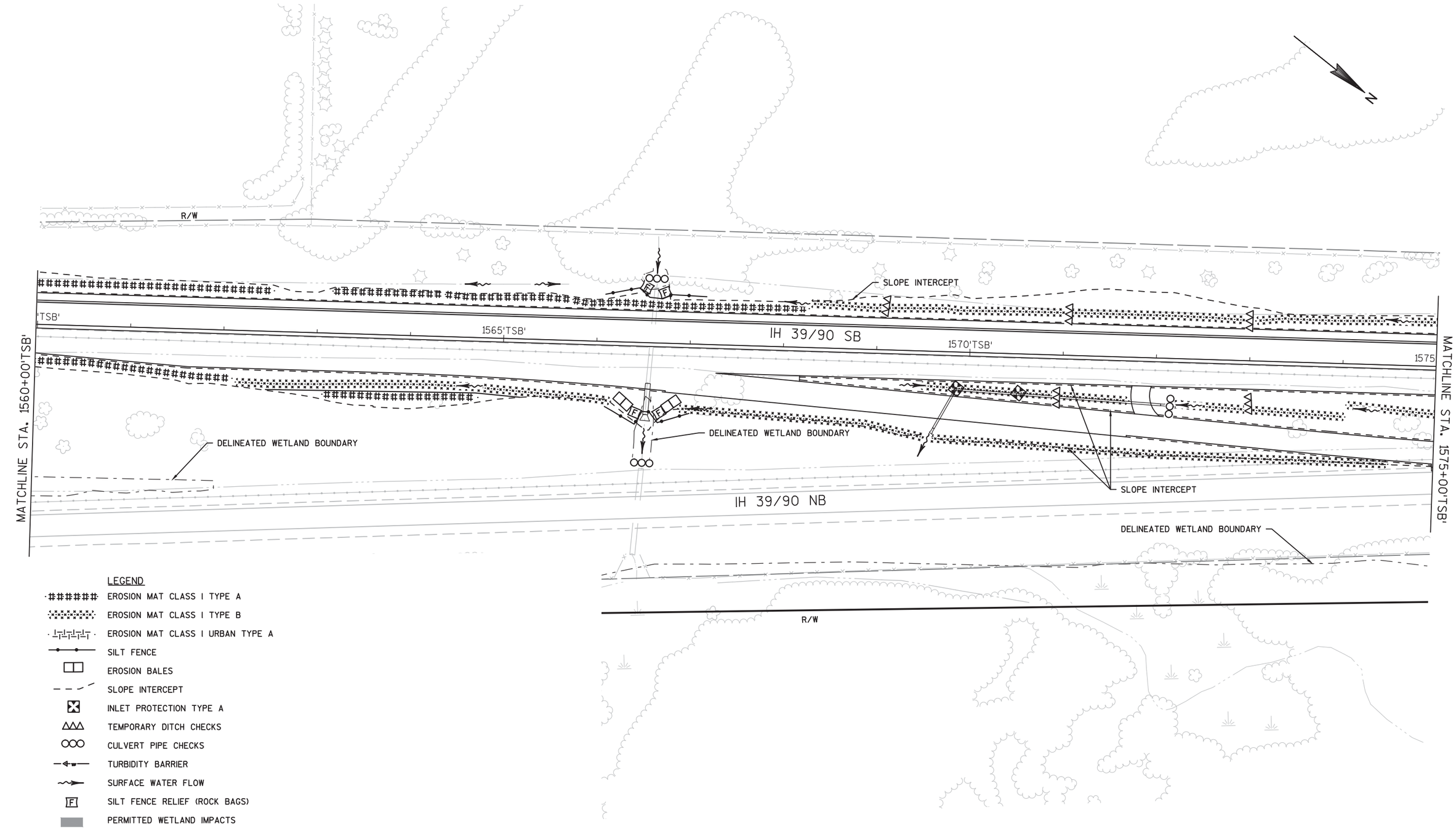
LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

PROJECT NO:1007-10-78	HWY: IH 39	COUNTY: DANE	EROSION CONTROL	SHEET 57	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\022001_EC-78.DWG
LAYOUT NAME - 022305-PS
PLOT DATE : 7/20/2015 12:31 PM PLOT BY : KATIE NAKLES PLOT NAME : _____ PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



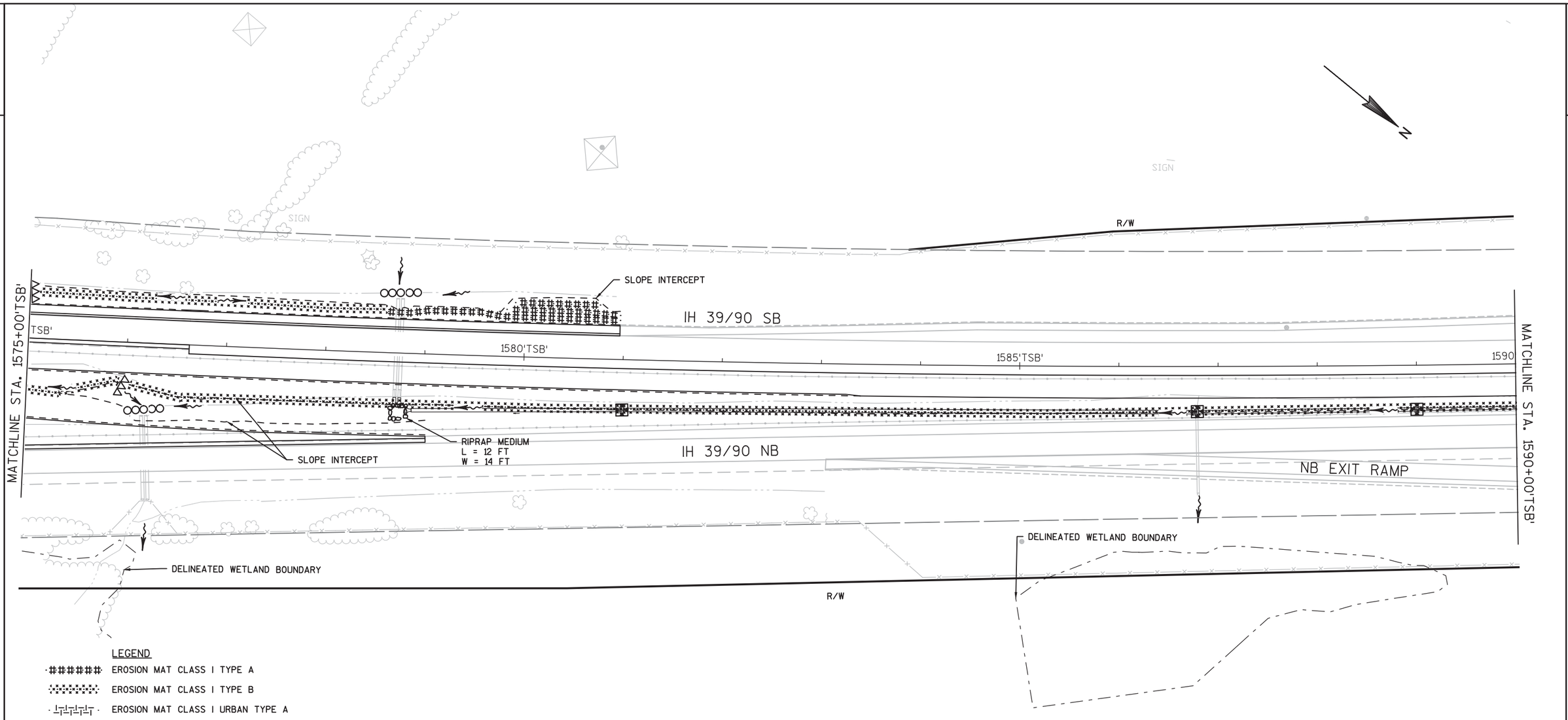
LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	EROSION CONTROL	SHEET 58	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\022001_EC-78.DWG
LAYOUT NAME - 022306-PS
PLOT DATE : 7/20/2015 12:32 PM PLOT BY : KATIE NAKLES PLOT NAME : ----------PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

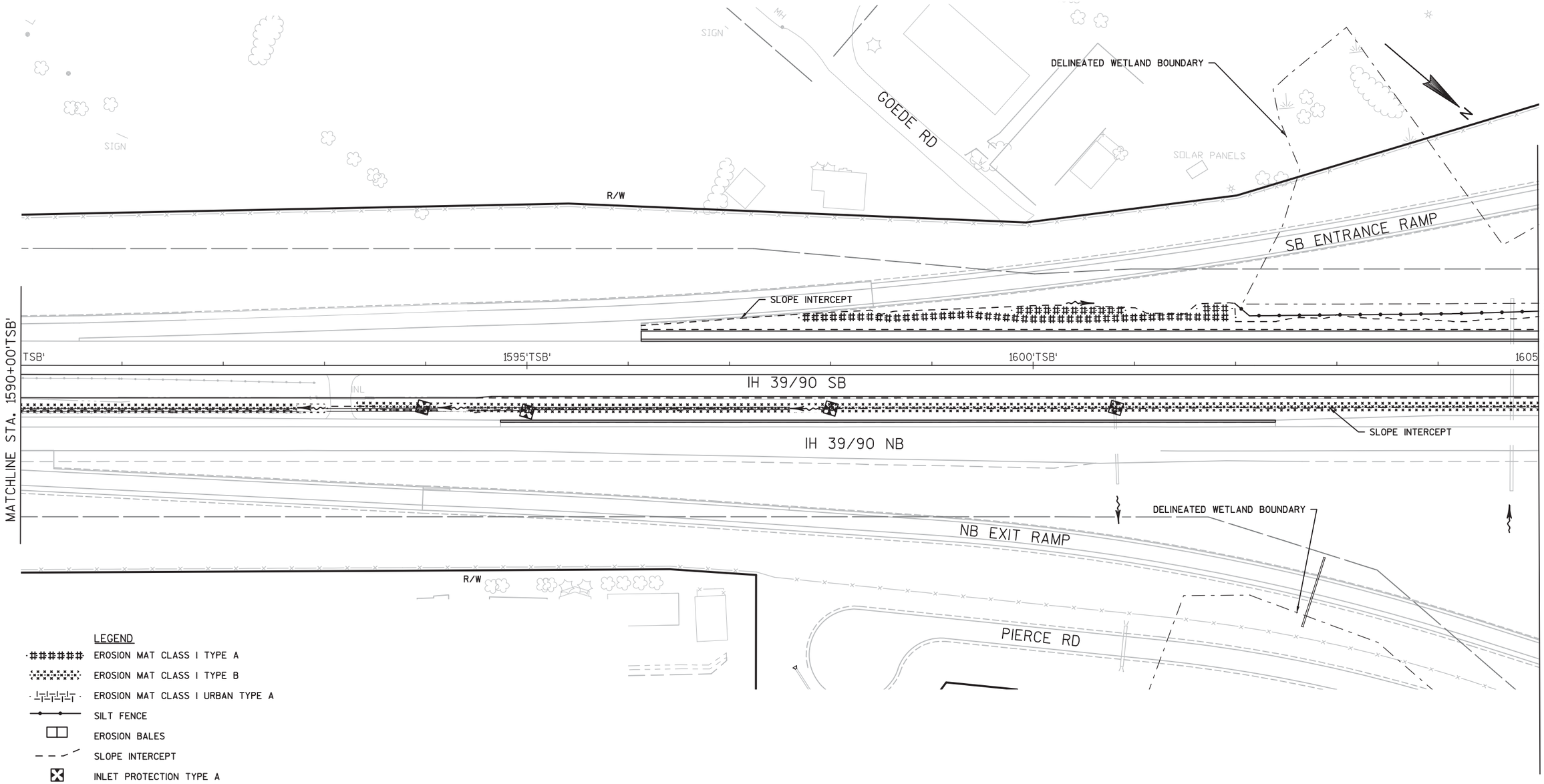
- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	EROSION CONTROL	SHEET 59	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\022001_EC-78.DWG
LAYOUT NAME - 022307-PS
PLOT DATE : 7/20/2015 12:32 PM PLOT BY : KATIE NAKLES PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2



LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	EROSION CONTROL	SHEET 60	E

2

2

R/W

SB ENTRANCE RAMP

SB EXIT RAMP

USH 51

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

MATCHLINE STA. 1605+00'TSB'

'TSB'

1610'TSB'

1615'TSB'

1620

IH 39/90 SB

IH 39/90 NB

SLOPE INTERCEPT

MATCHLINE STA. 1620+00'TSB'

NB ENTRANCE RAMP

R/W

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

PROJECT NO:1007-10-78	HWY:IH 39	COUNTY:DANE	EROSION CONTROL	SHEET 61	E

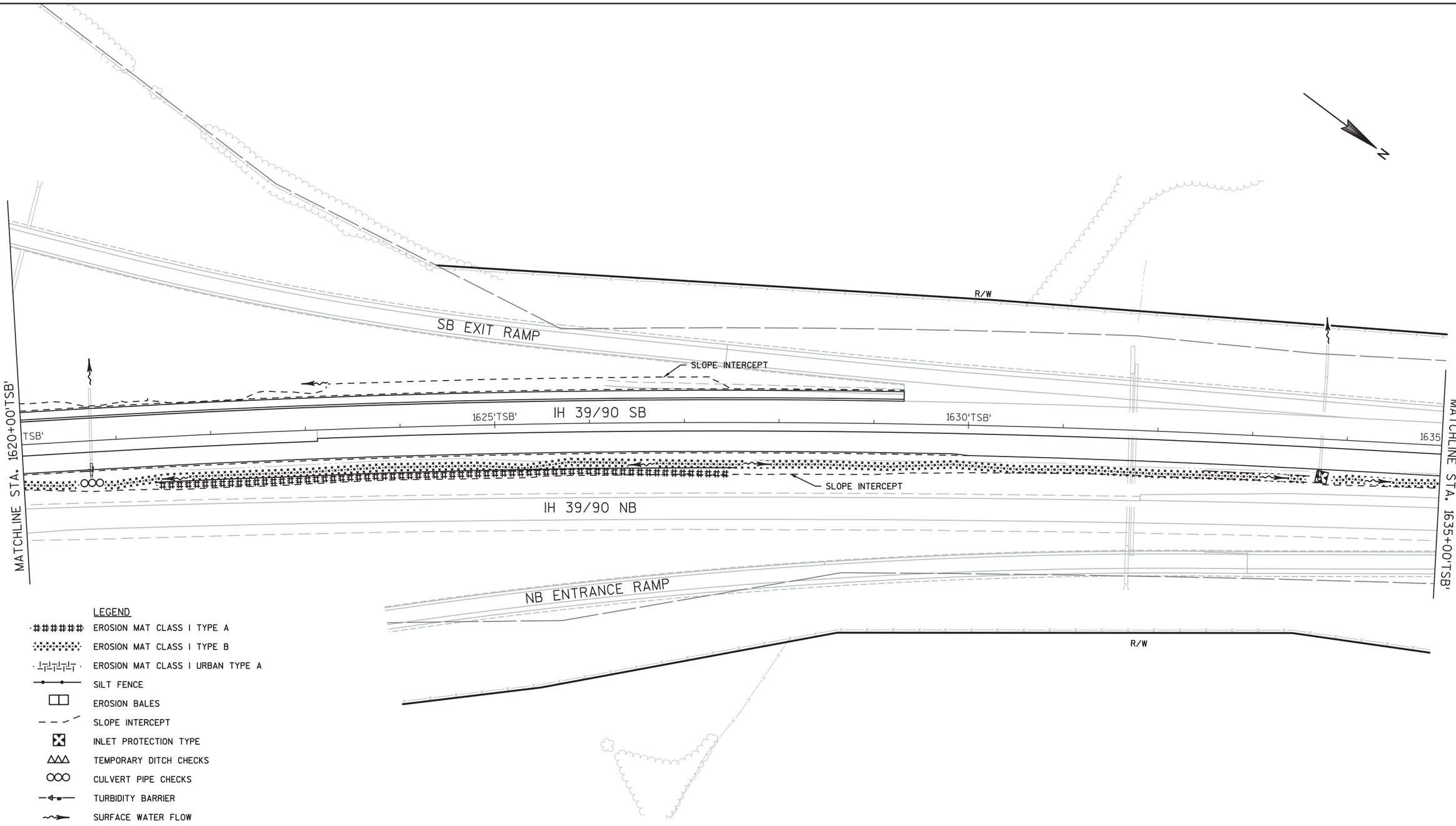
FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\022001_EC-78.DWG
LAYOUT NAME - 022309-PS

PLOT DATE : 7/20/2015 12:32 PM PLOT BY : KATIE NAKLES PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2



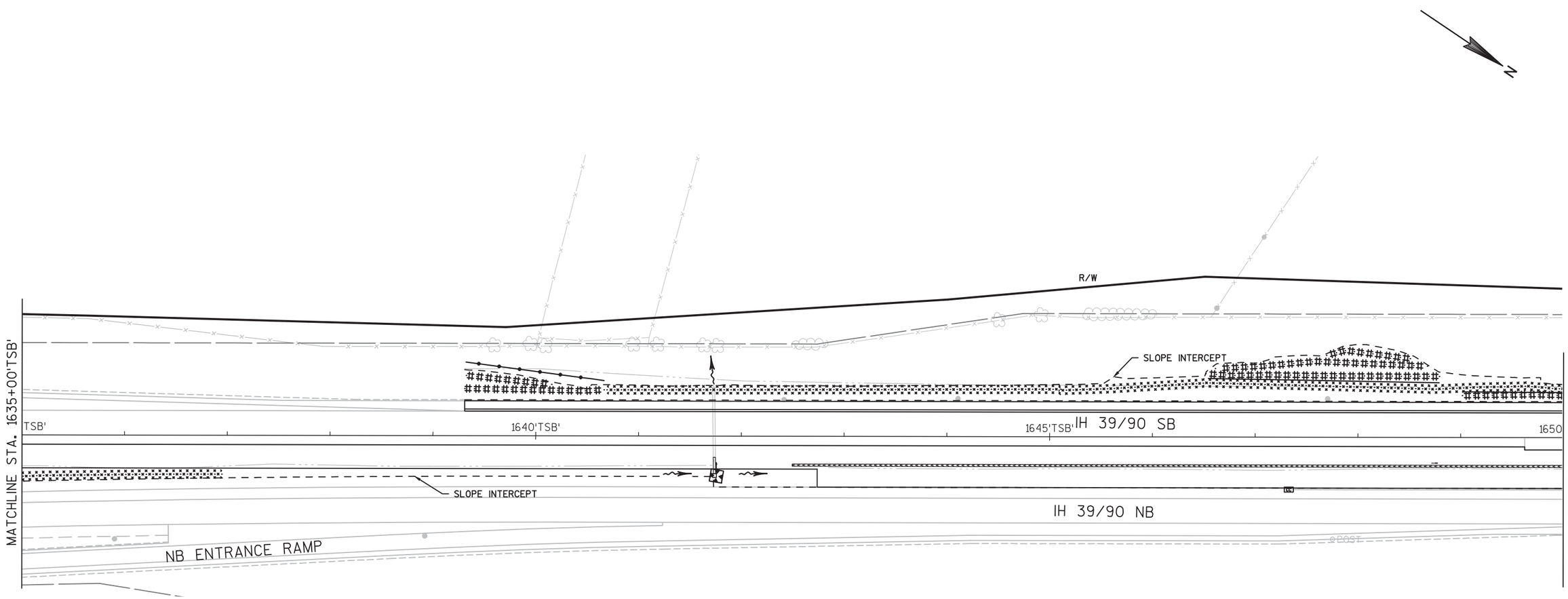
LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

PROJECT NO:1007-10-78	HWY: IH 39	COUNTY: DANE	EROSION CONTROL	SHEET 62	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\022001_EC-78.DWG
LAYOUT NAME - 022310-PS
PLOT DATE : 7/20/2015 12:32 PM PLOT BY : KATIE NAKLES PLOT NAME : _____ PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	EROSION CONTROL	SHEET 63	E

2

2

N

R/W

R/W

0.02 ACRE
OF WETLAND
IMPACTS (D10A)

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

IH 39/90 SB

1655'TSB'

1660'TSB'

1665

MATCHLINE STA. 1650+00'TSB'

SLOPE INTERCEPT

IH 39/90 NB

0.66 ACRES
OF WETLAND
IMPACTS (D76)

MATCHLINE STA. 1665+00'TSB'

DELINEATED WETLAND BOUNDARY

R/W

EDGERTON RD

LEGEND

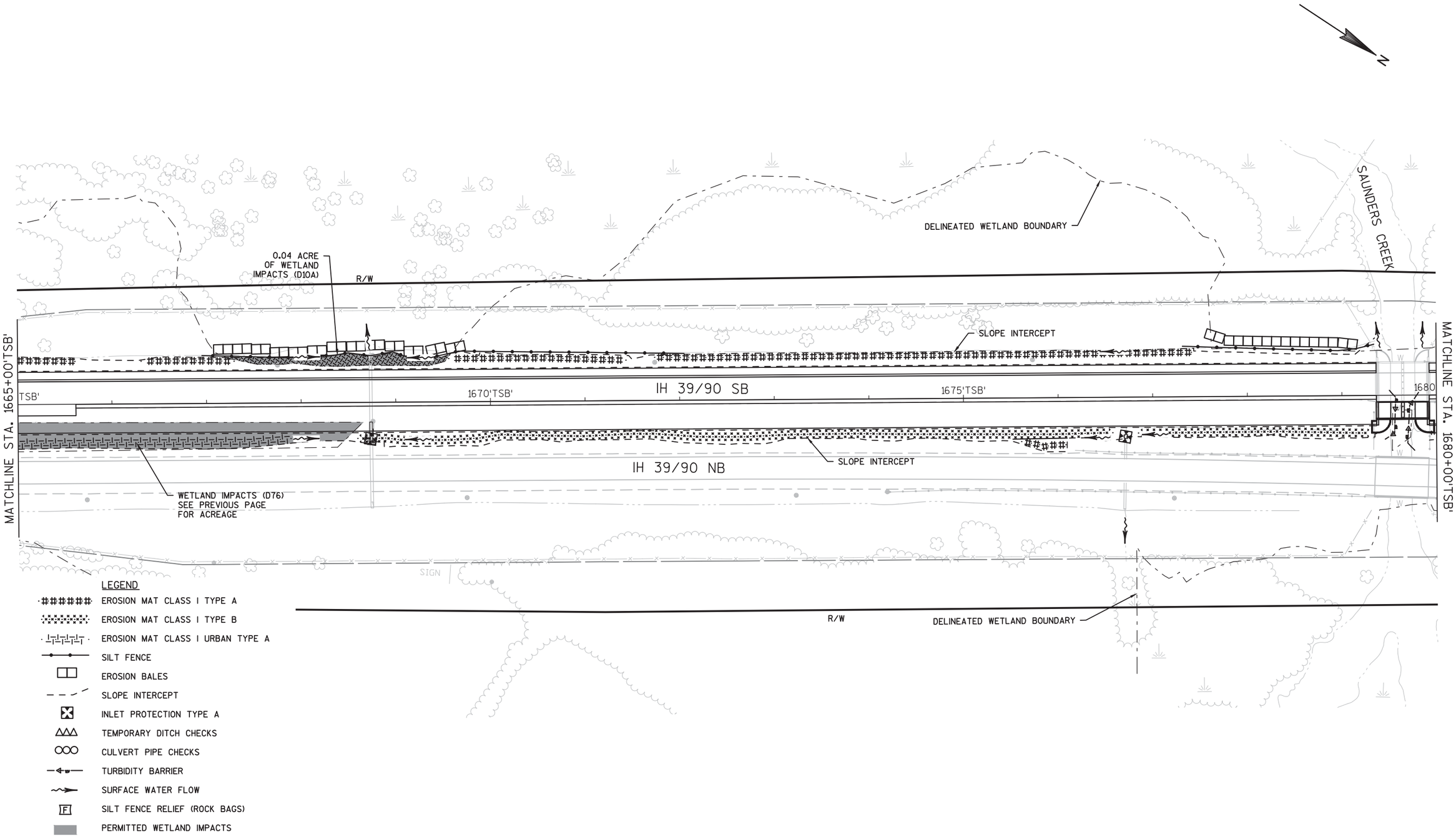
- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	EROSION CONTROL	SHEET 64	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\022001_EC-78.DWG
LAYOUT NAME - 022312-PS

PLOT DATE : 7/20/2015 12:32 PM PLOT BY : KATIE NAKLES PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT

2



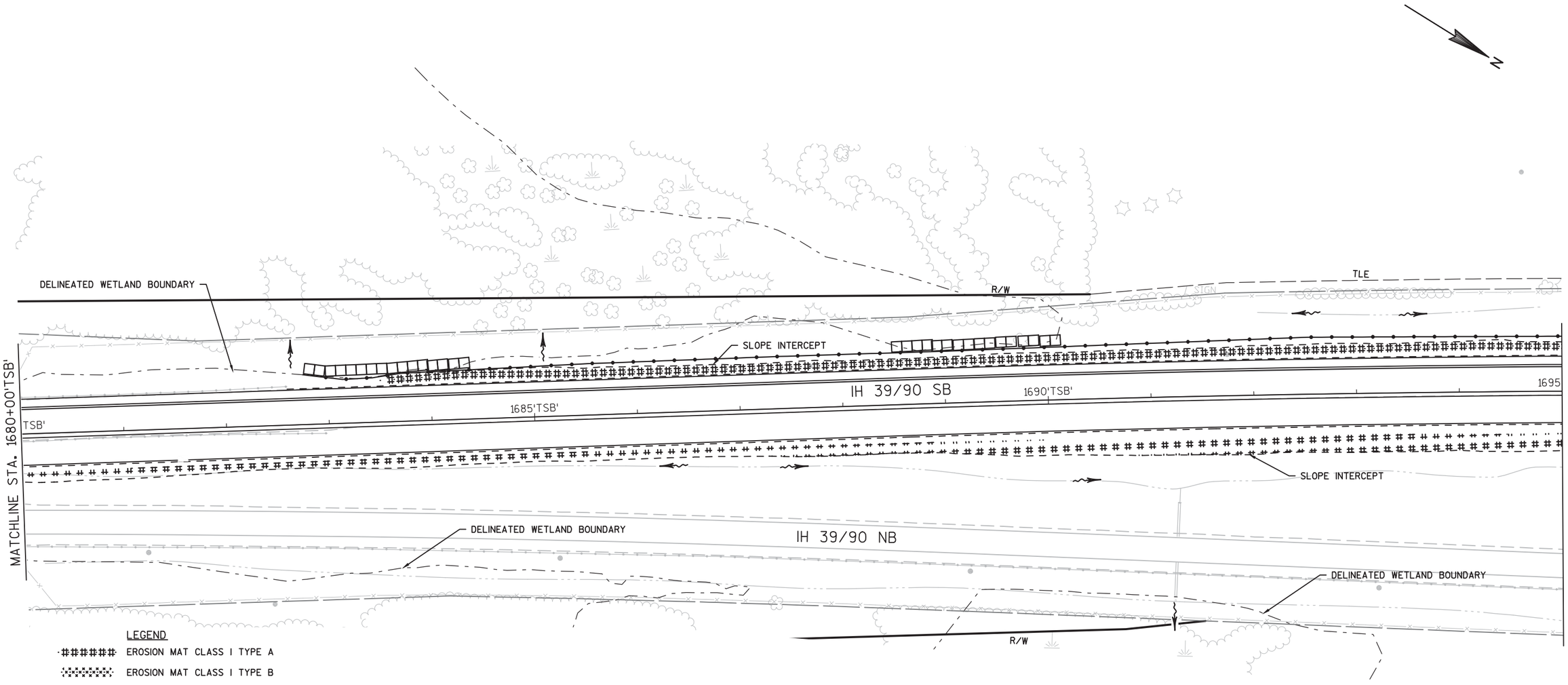
LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	EROSION CONTROL	SHEET 65	E

2

2

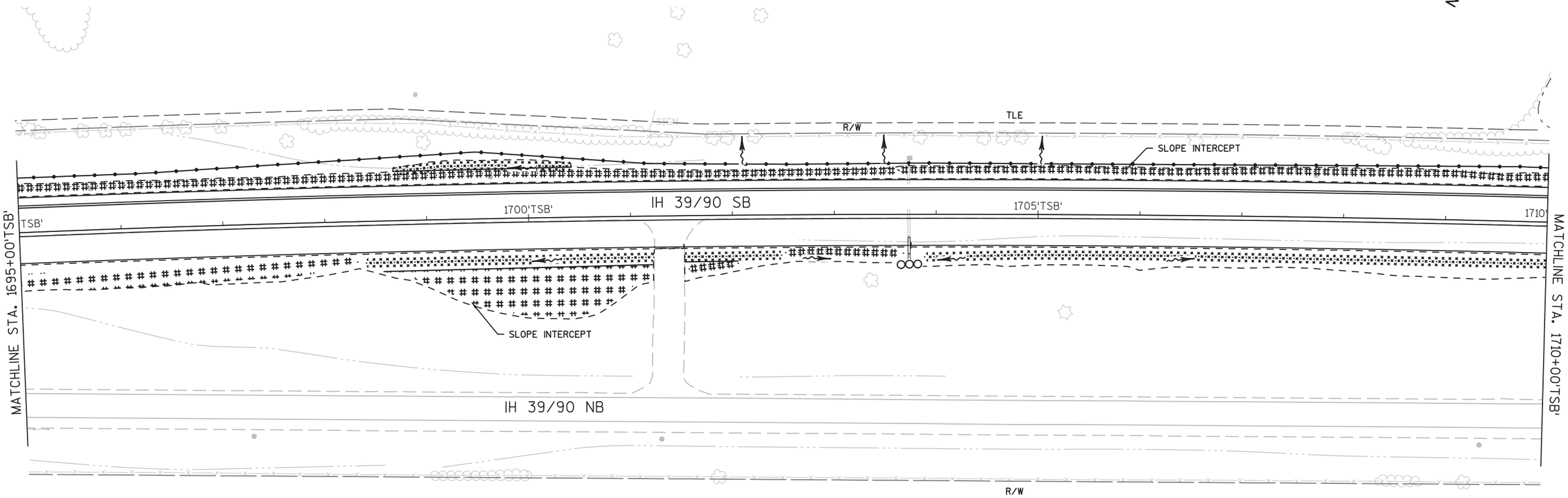


LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

PROJECT NO:1007-10-78	HWY: IH 39	COUNTY: DANE	EROSION CONTROL	SHEET 66	E

2



LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

2

2

N

SAUNDERS CR

R/W

IH 39/90 SB

DELINEATED WETLAND BOUNDARY

TSB'

1715'TSB'

1720'TSB'

1725'

SLOPE INTERCEPT

END PROJECT 1007-10-78
STA 1715'TSB'+00

SLOPE INTERCEPT

MATCHLINE STA. 1710+00'TSB'

0.01 ACRES
OF WETLAND
IMPACTS (D73)

DELINEATED WETLAND BOUNDARY

IH 39/90 NB

R/W

DELINEATED WETLAND BOUNDARY

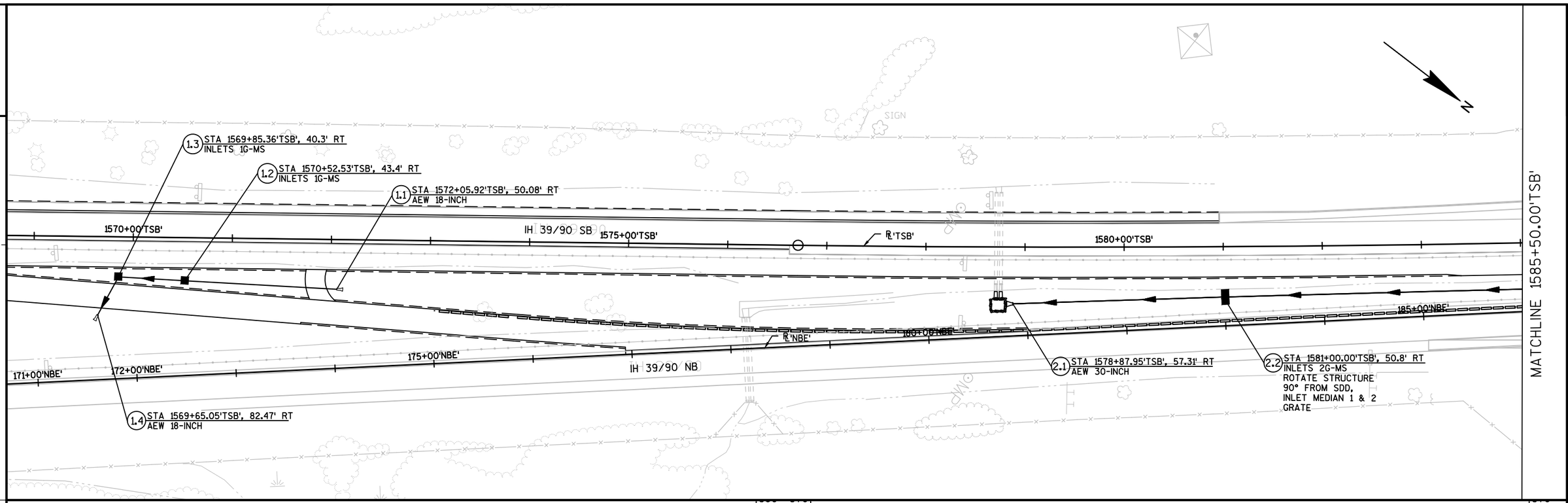
LEGEND

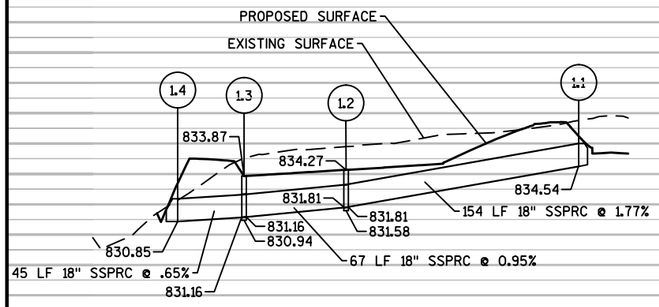
- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS I URBAN TYPE A
- SILT FENCE
- EROSION BALES
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- PERMITTED WETLAND IMPACTS

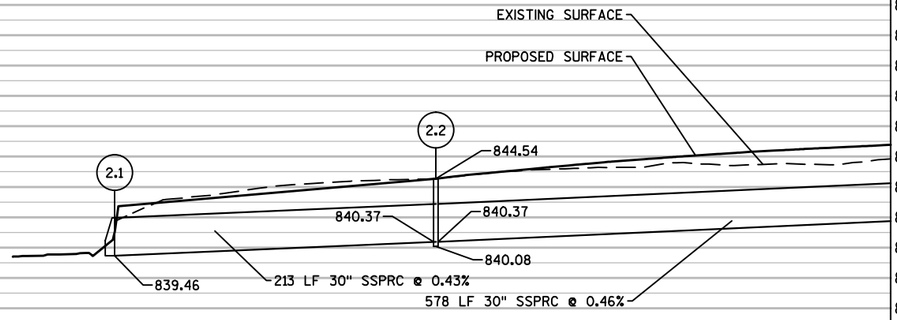
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	EROSION CONTROL	SHEET 68	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\022001_EC-78.DWG
LAYOUT NAME - 022316-PS

PLOT DATE : 7/20/2015 12:33 PM PLOT BY : KATIE NAKLES PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT

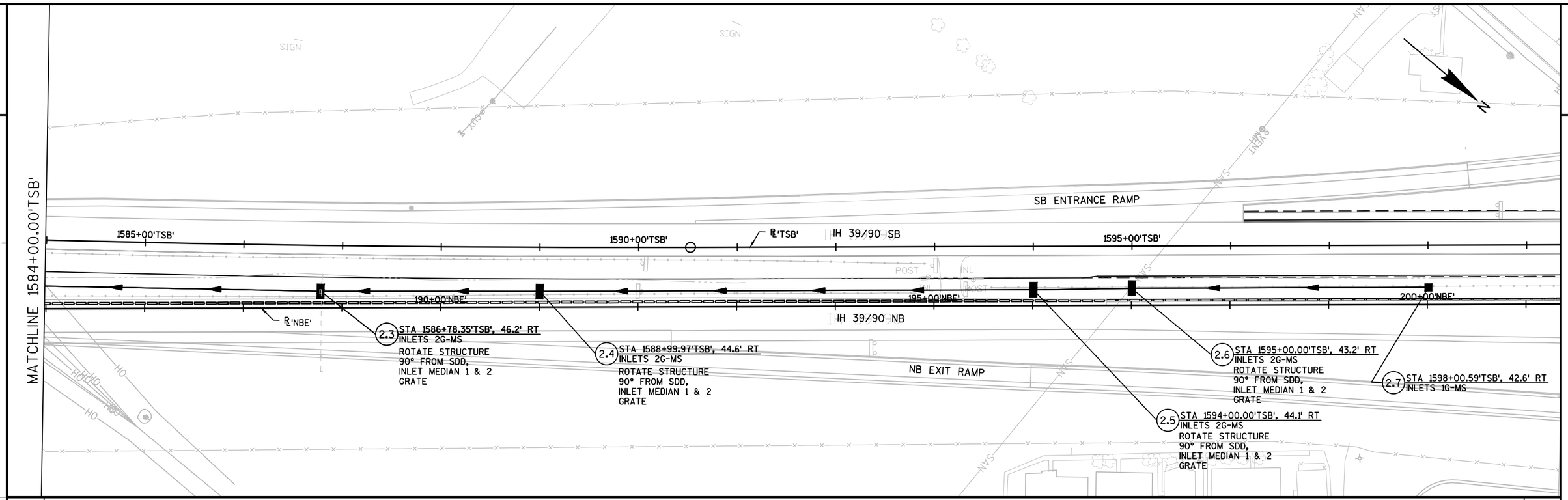






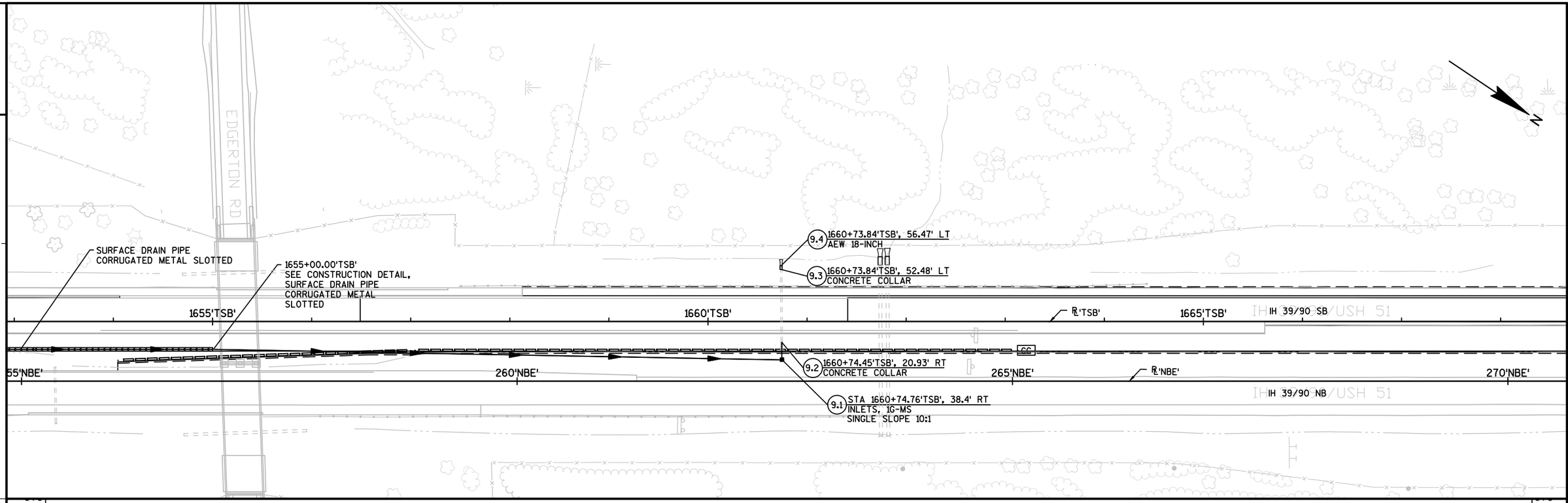
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	STORM SEWER	SHEET	E

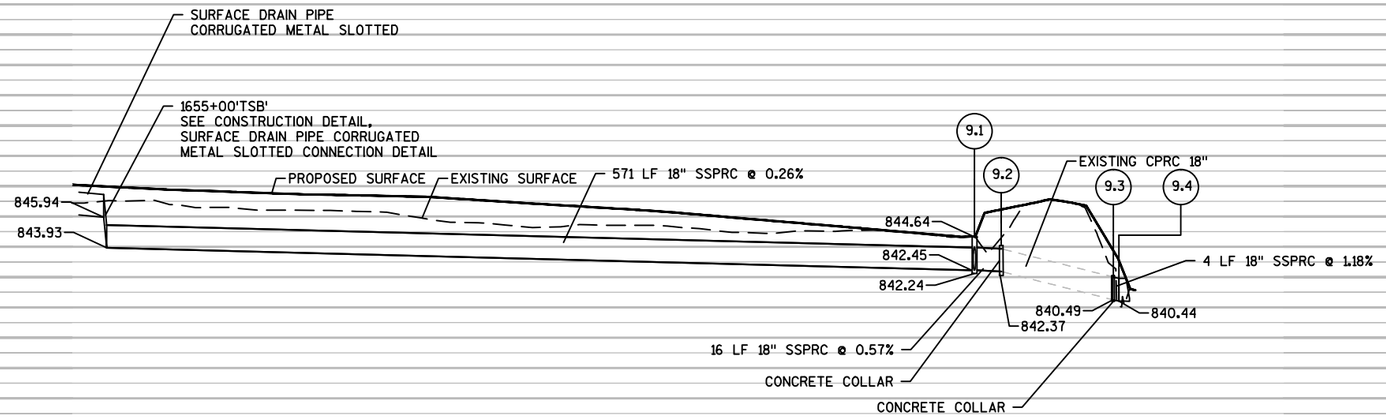
FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\022501_SS.DWG PLOT DATE : 8/13/2015 9:06 AM PLOT BY : HARRY TRAN PLOT NAME : PLOT SCALE : 1IN:100_XREF



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	STORM SEWER	SHEET 70	E

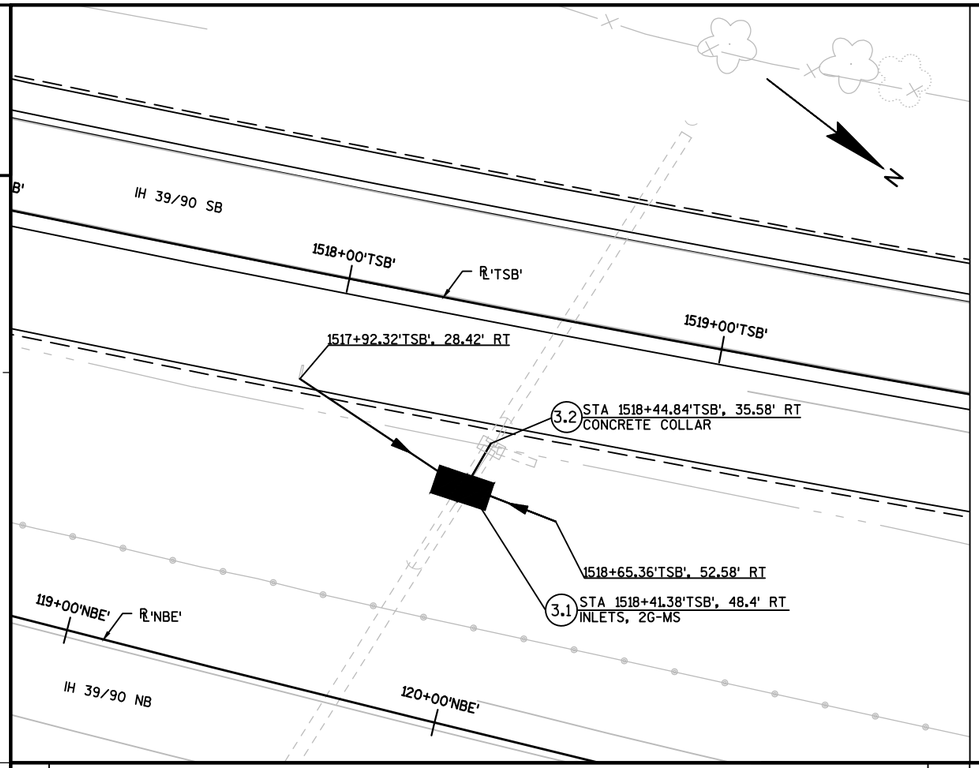
2

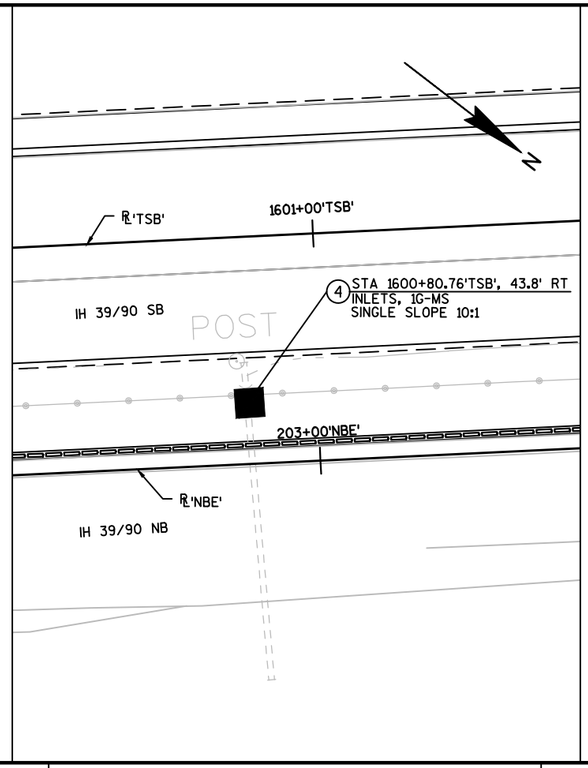


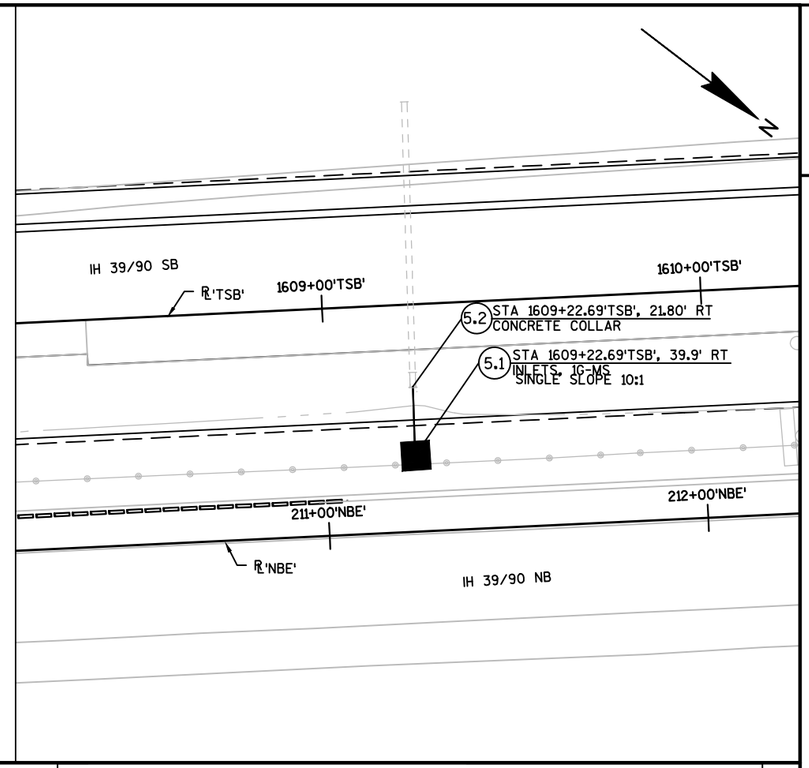


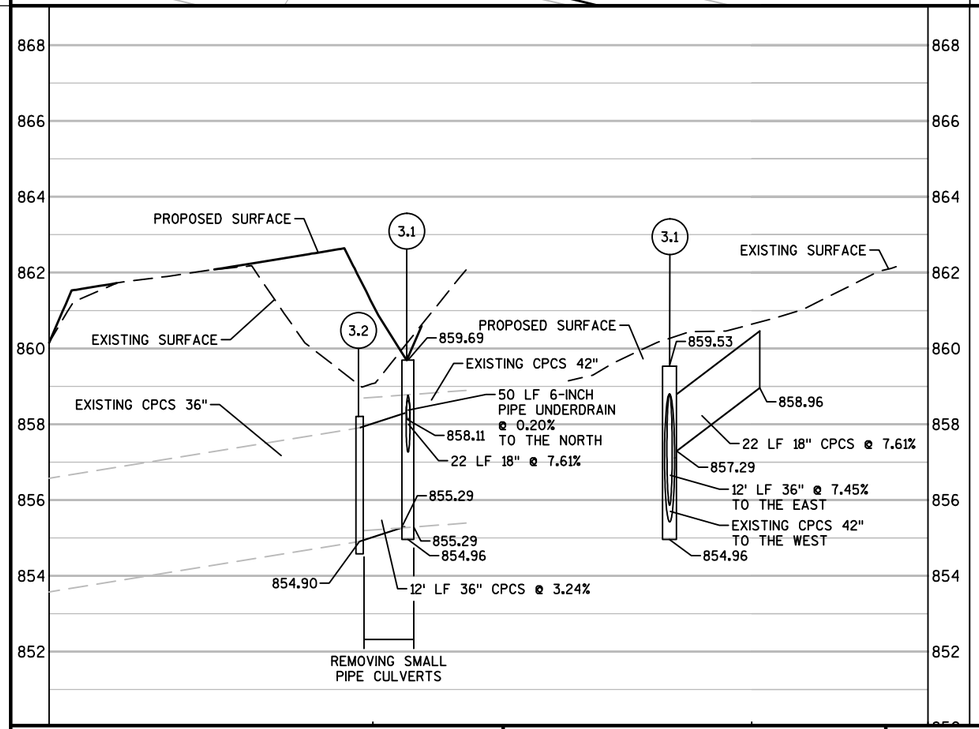
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	STORM SEWER	SHEET	E

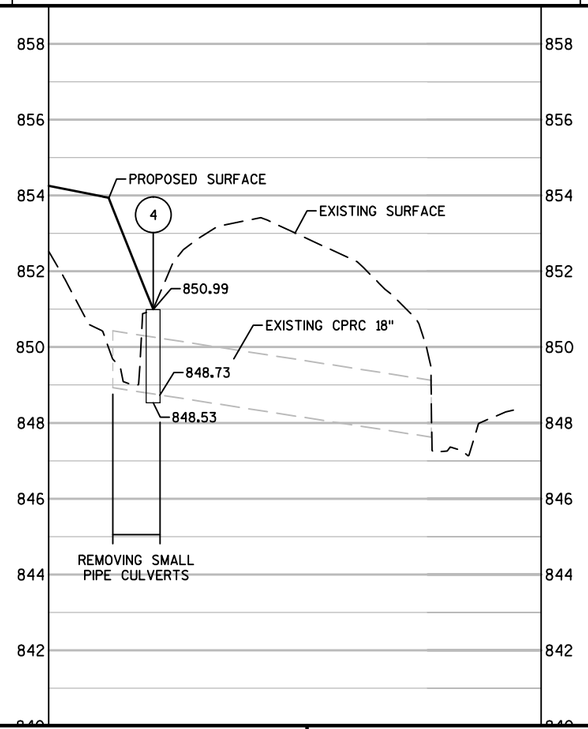
FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\022502_SS.DWG
PLOT DATE : 8/13/2015 2:41 PM
PLOT BY : HARRY TRAN
PLOT NAME :
PLOT SCALE : 1" = 100 FT_XREF
WISDOT/CADDS SHEET 44

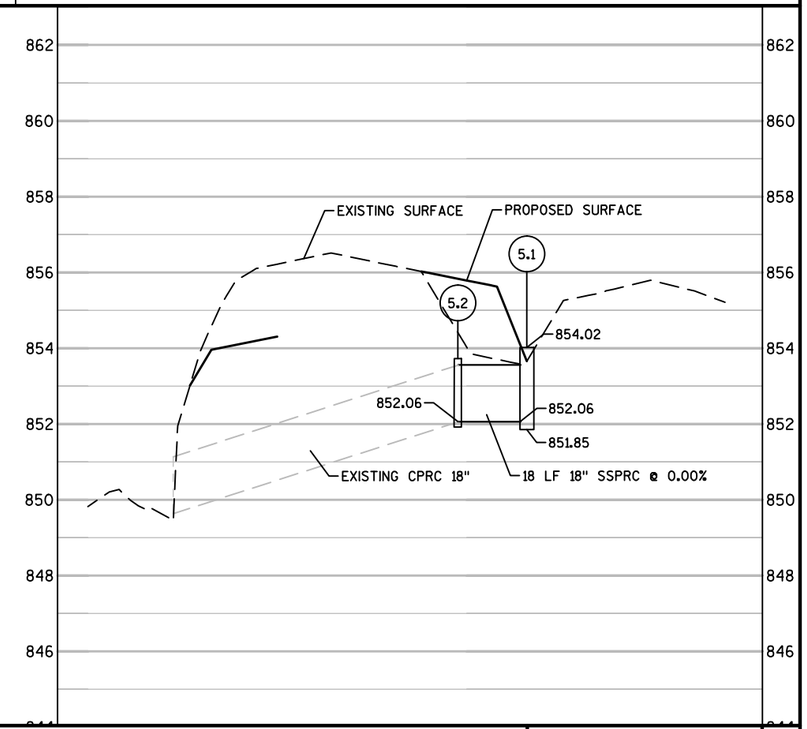






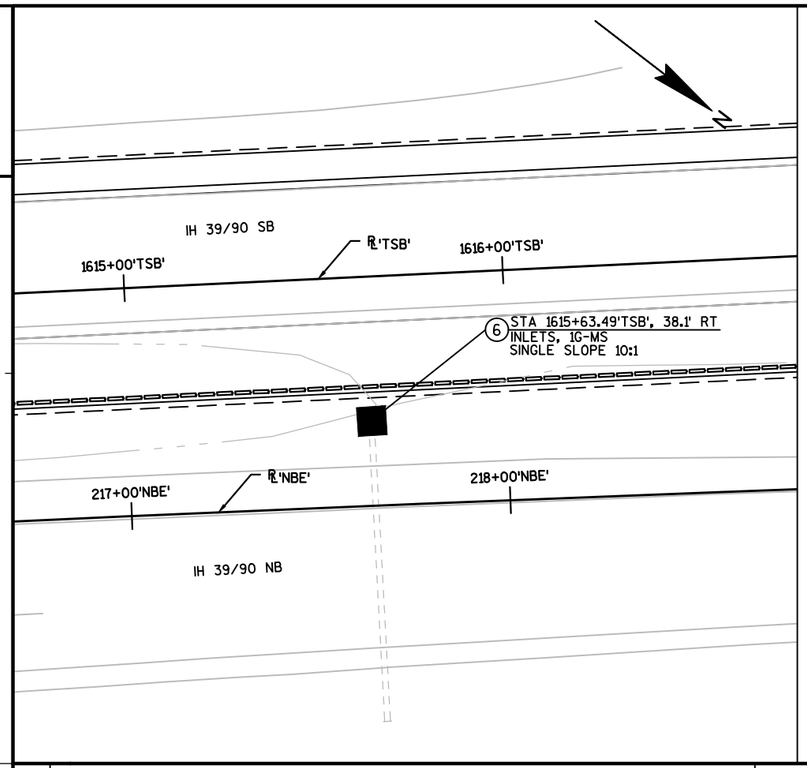


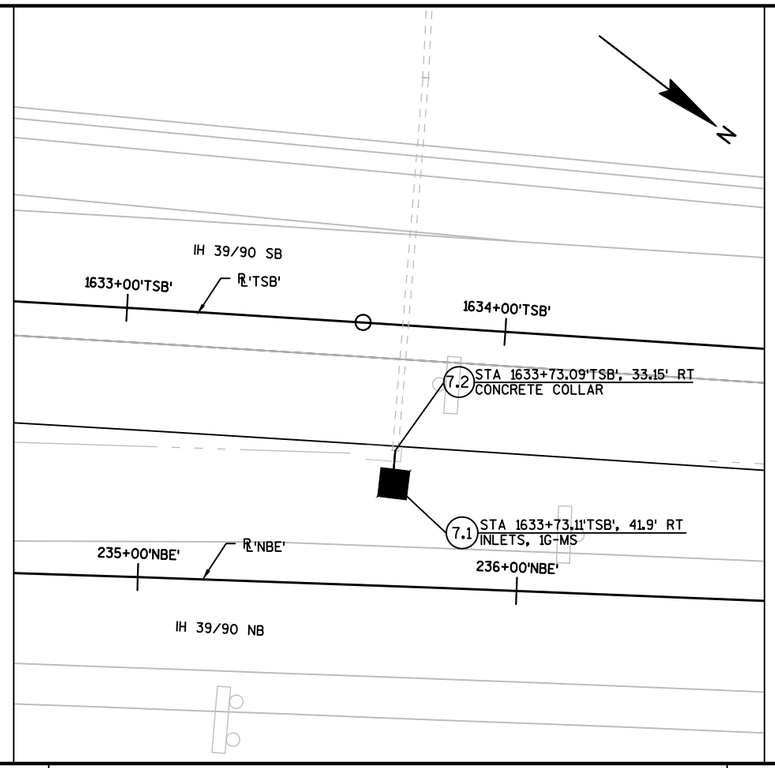


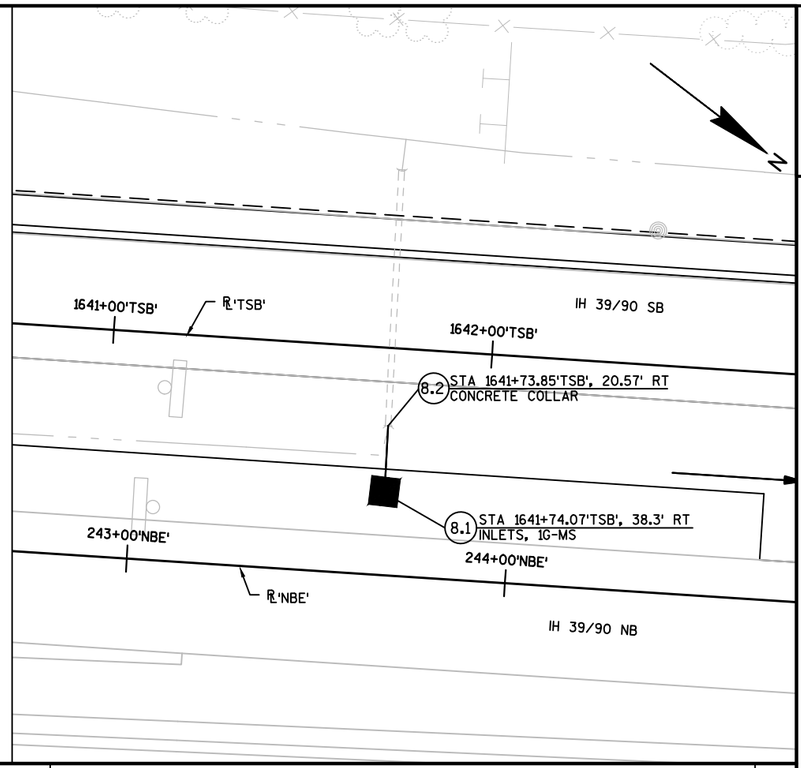


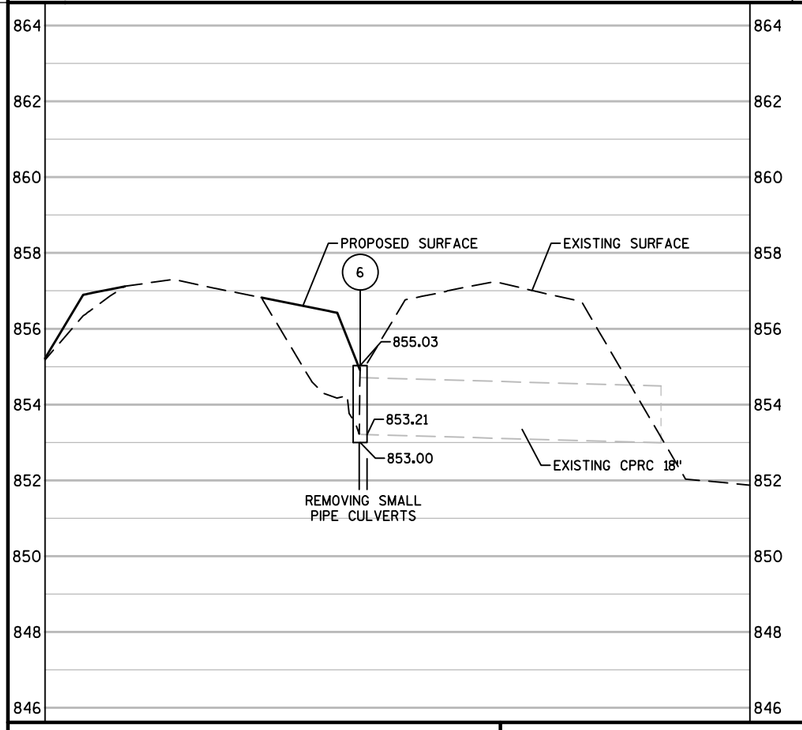
PROJECT NO:1007-10-78	HWY: IH 39	COUNTY: DANE	STORM SEWER	SHEET	E

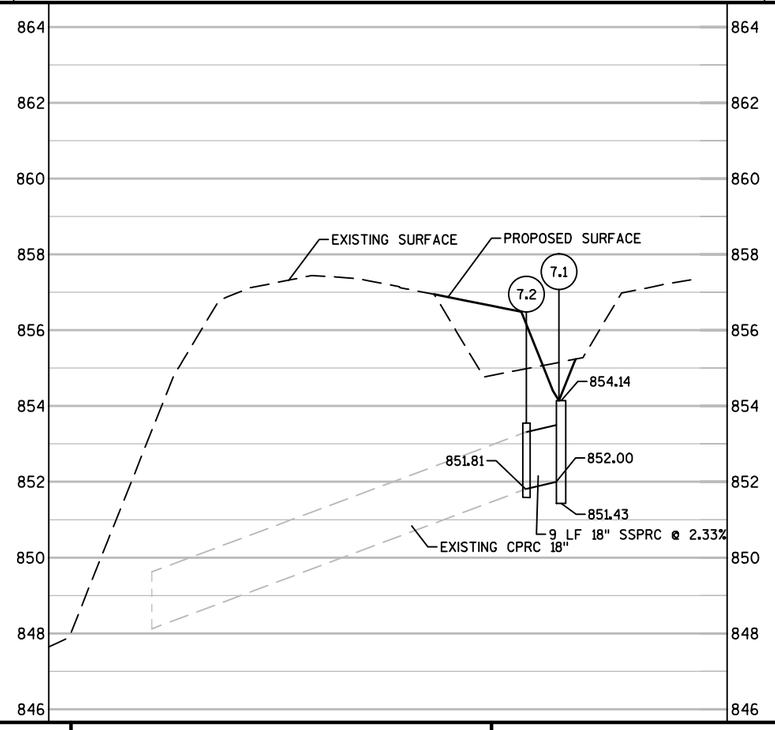
FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\022501_SS.DWG PLOT DATE : 10/20/2015 9:20 AM PLOT BY : HARRY TRAN PLOT NAME : PLOT SCALE : 1" = 40'_XREF

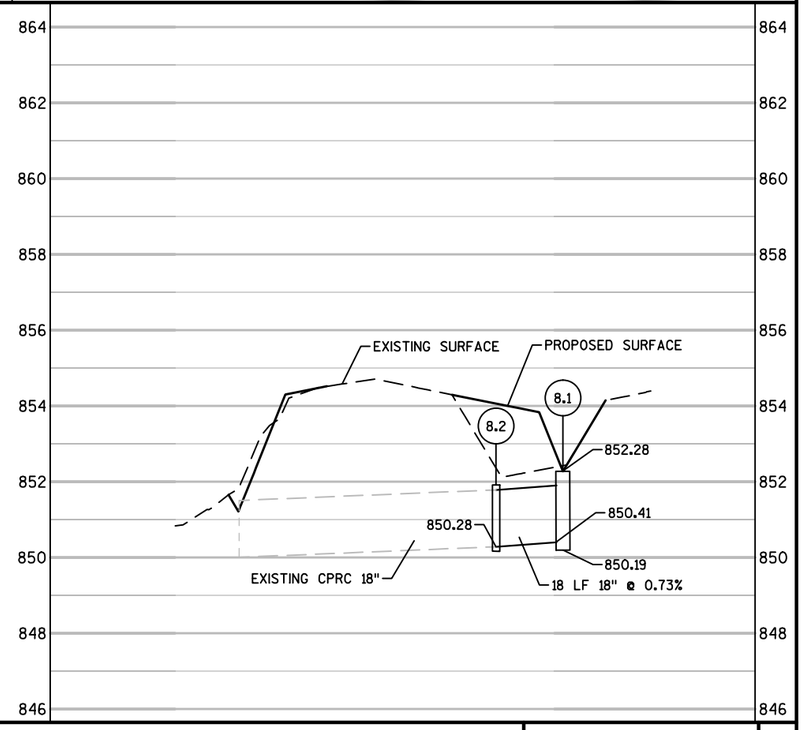

IH 39/90 SB
1615+00'TSB'
℄'TSB'
1616+00'TSB'
6
STA 1615+63.49'TSB', 38.1' RT
INLETS, 1G-MS
SINGLE SLOPE 10:1
217+00'NBE'
℄'NBE'
218+00'NBE'
IH 39/90 NB

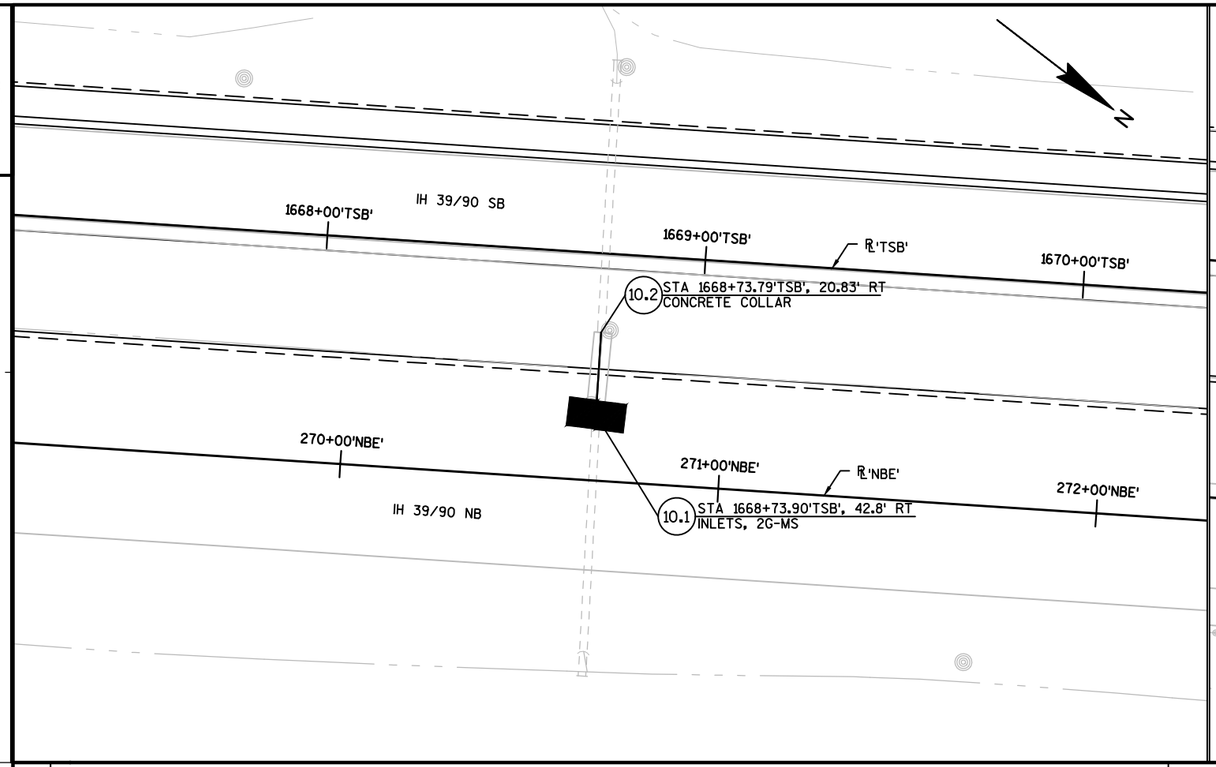

IH 39/90 SB
1633+00'TSB'
℄'TSB'
1634+00'TSB'
7.2
STA 1633+73.09'TSB', 33.15' RT
CONCRETE COLLAR
7.1
STA 1633+73.11'TSB', 41.9' RT
INLETS, 1G-MS
235+00'NBE'
℄'NBE'
236+00'NBE'
IH 39/90 NB

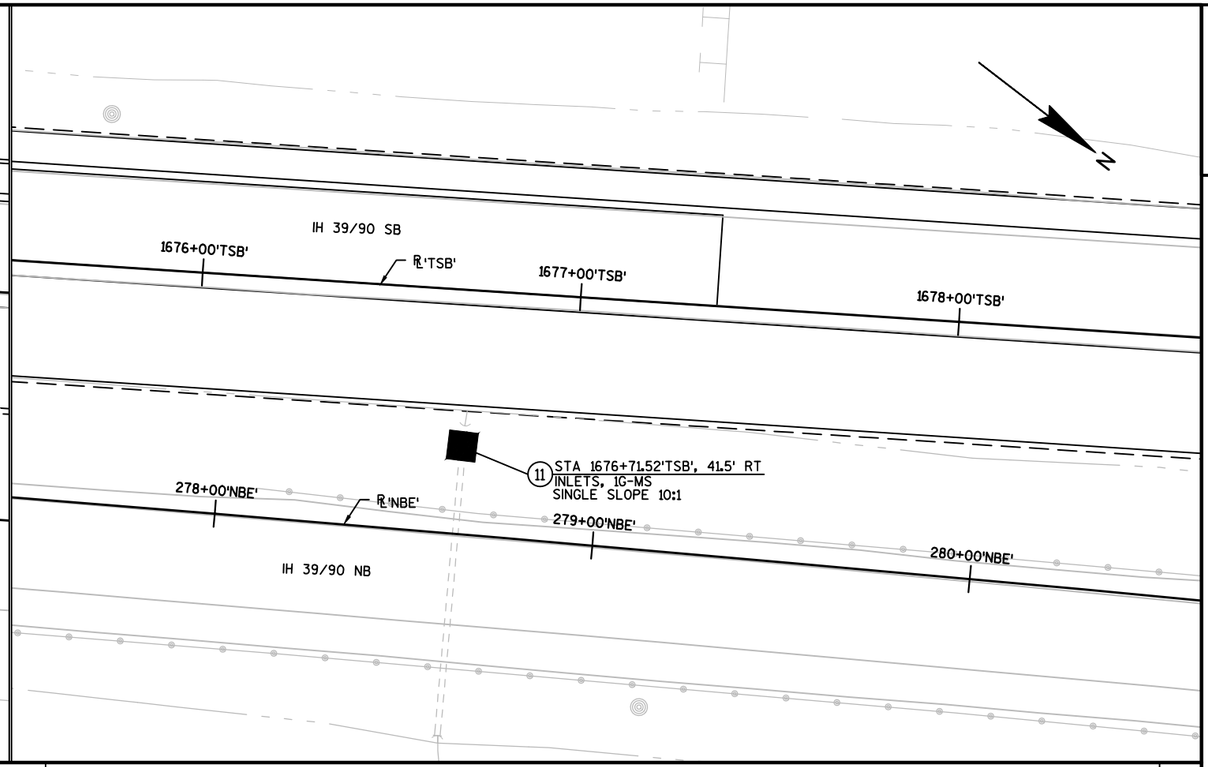

1641+00'TSB'
℄'TSB'
IH 39/90 SB
1642+00'TSB'
8.2
STA 1641+73.85'TSB', 20.57' RT
CONCRETE COLLAR
8.1
STA 1641+74.07'TSB', 38.3' RT
INLETS, 1G-MS
243+00'NBE'
℄'NBE'
244+00'NBE'
IH 39/90 NB

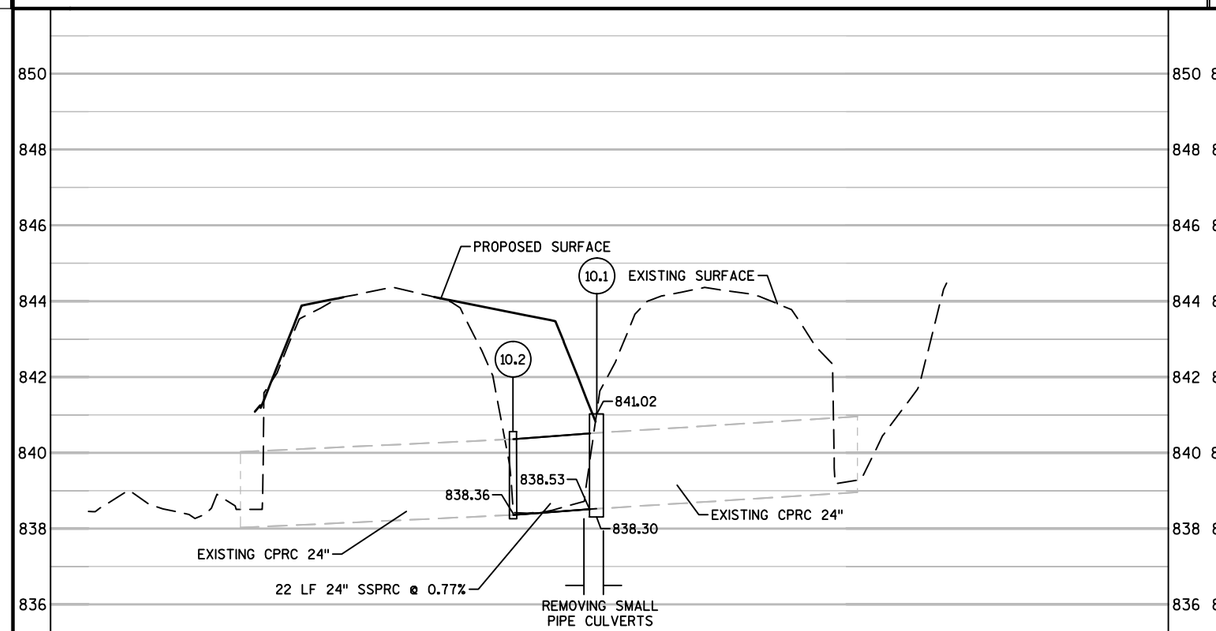

864
862
860
858
856
854
852
850
848
846
PROPOSED SURFACE
EXISTING SURFACE
6
855.03
853.21
853.00
EXISTING CPRC 18"
REMOVING SMALL
PIPE CULVERTS

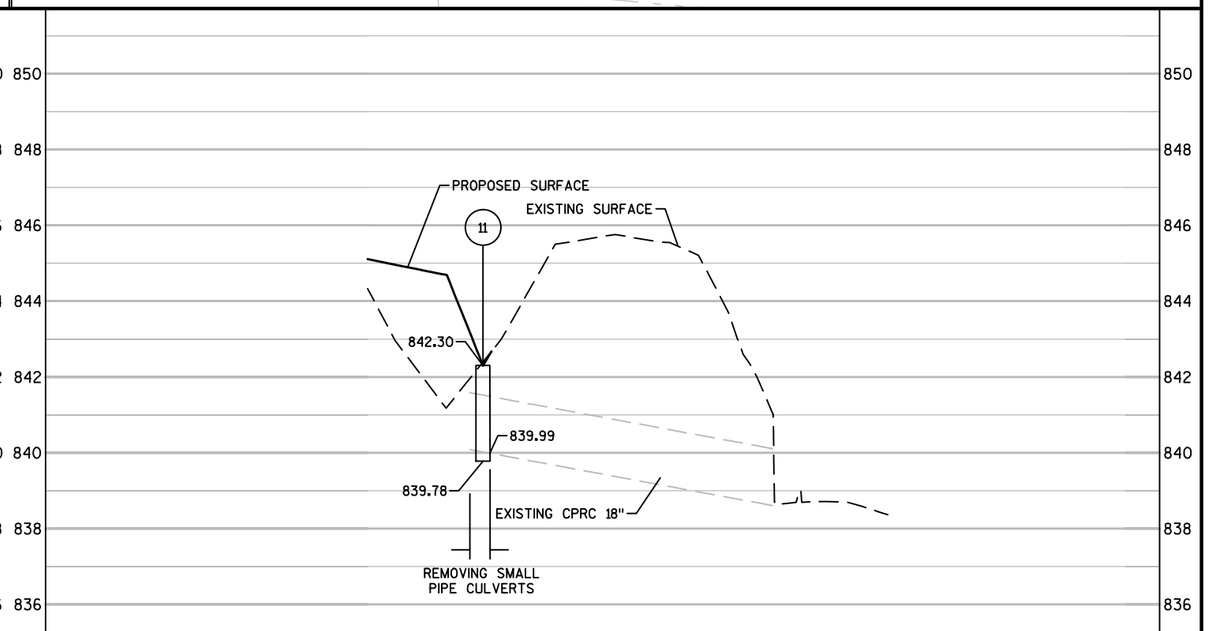

864
862
860
858
856
854
852
850
848
846
EXISTING SURFACE
PROPOSED SURFACE
7.1
7.2
854.14
851.81
852.00
851.43
9 LF 18" SSPRC @ 2.33%
EXISTING CPRC 18"


864
862
860
858
856
854
852
850
848
846
EXISTING SURFACE
PROPOSED SURFACE
8.1
8.2
852.28
850.41
850.28
850.19
EXISTING CPRC 18"
18 LF 18" @ 0.73%





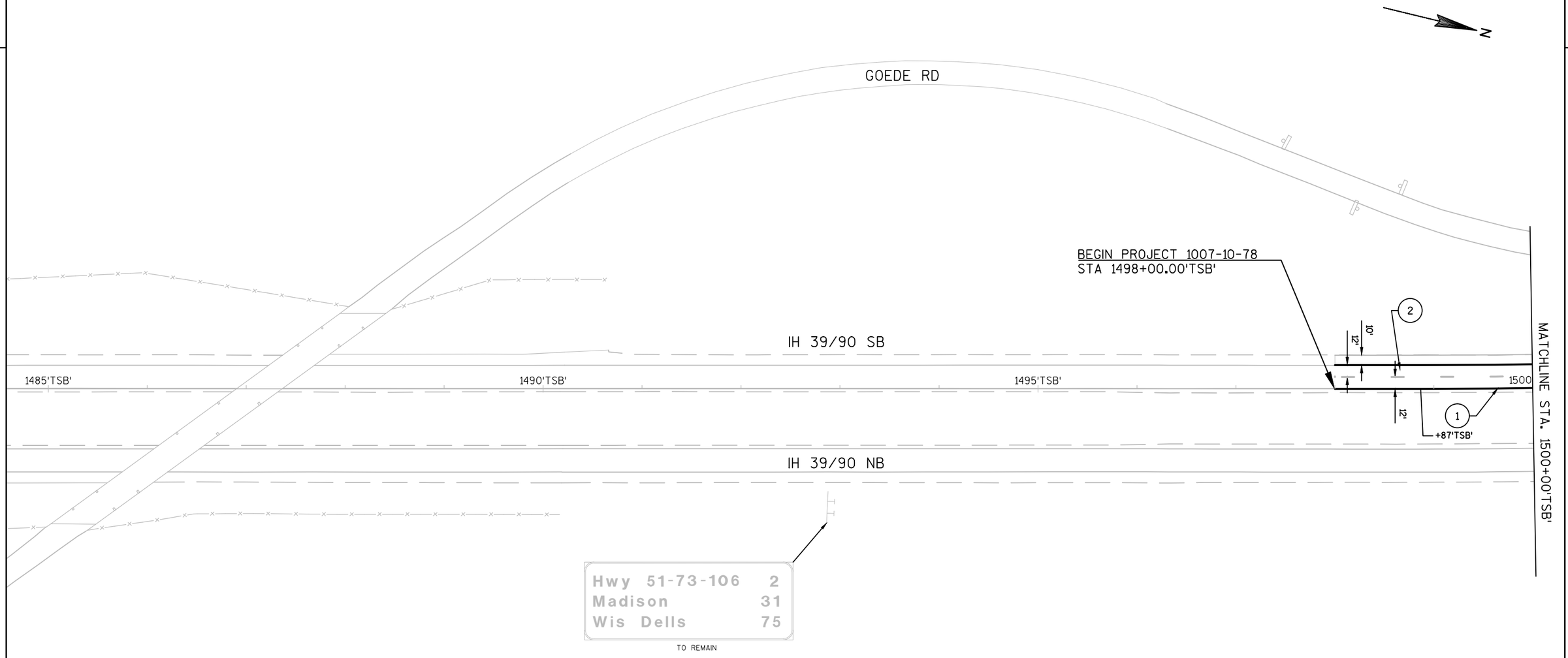




PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	STORM SEWER	SHEET	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\022501_SS.DWG
PLOT DATE : 8/13/2015 9:13 AM
PLOT BY : HARRY TRAN
PLOT NAME :
PLOT SCALE : **********
WISDOT/CADDS SHEET 44

2



PAVEMENT MARKING LEGEND

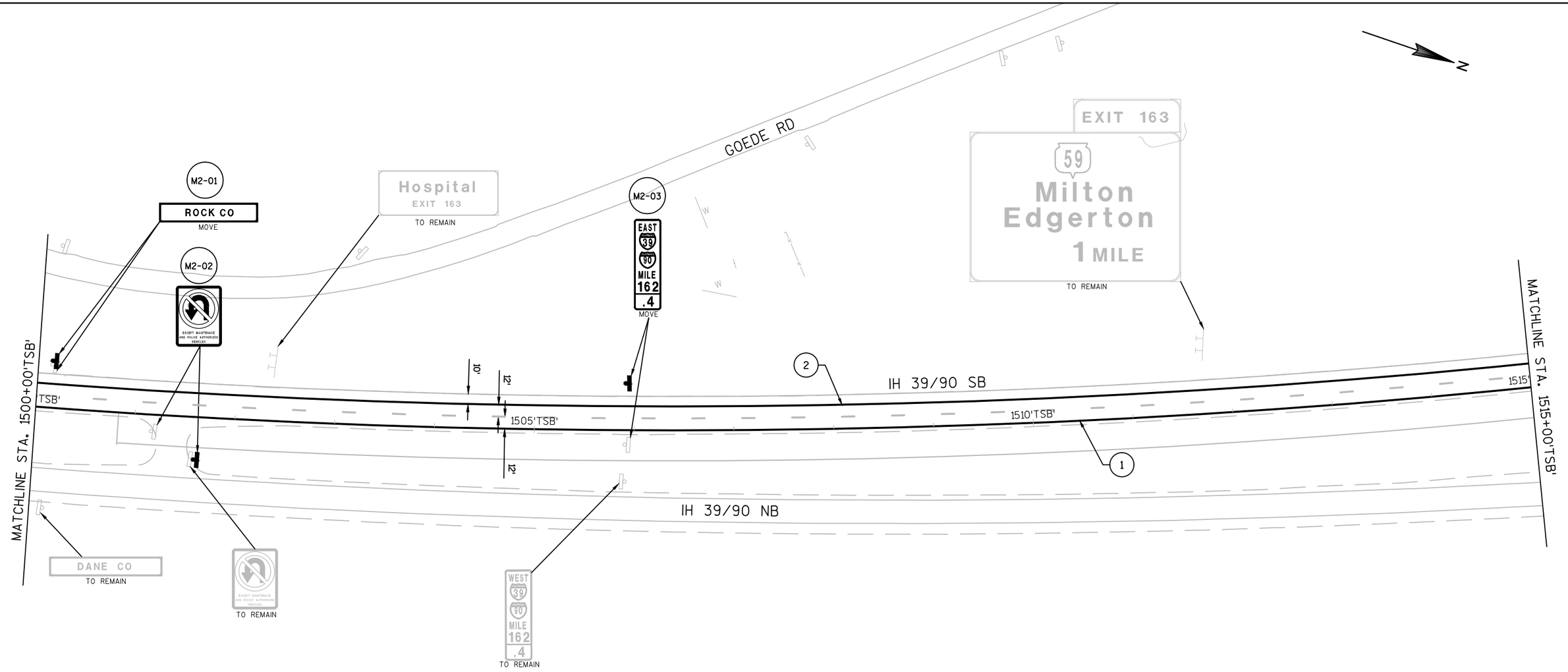
1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)

PERMANENT SIGNING LEGEND

- X-XX NEW SIGN
- MX-XX MOVE SIGN
- RX-XX REMOVE SIGN
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FLEXIBLE TUBULAR MARKER POSTS

PROJECT NO:1007-10-78	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 75	E

2



PAVEMENT MARKING LEGEND

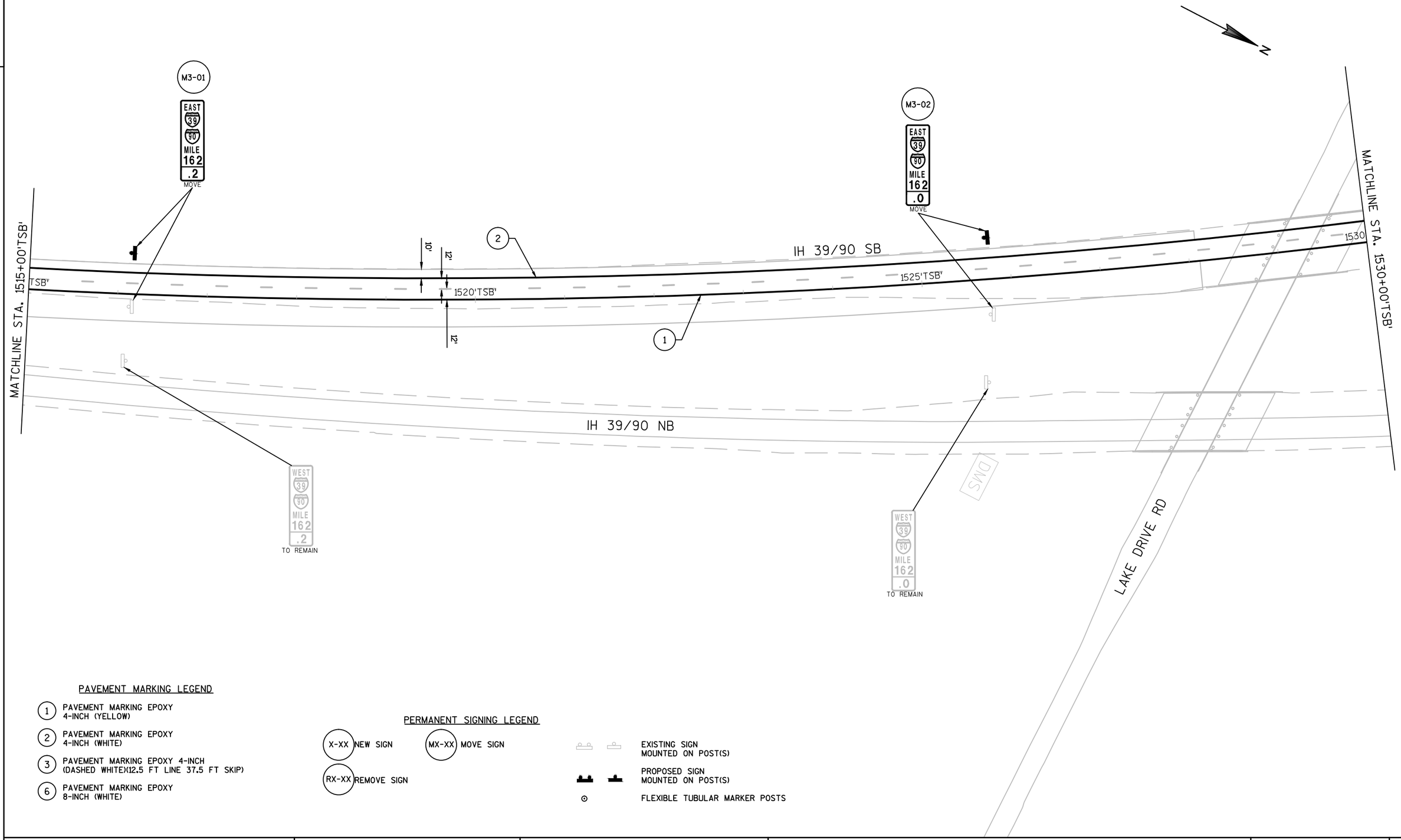
1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)

PERMANENT SIGNING LEGEND

- X-XX NEW SIGN
- MX-XX MOVE SIGN
- RX-XX REMOVE SIGN
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FLEXIBLE TUBULAR MARKER POSTS

PROJECT NO:1007-10-78	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 76	E

2



PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)

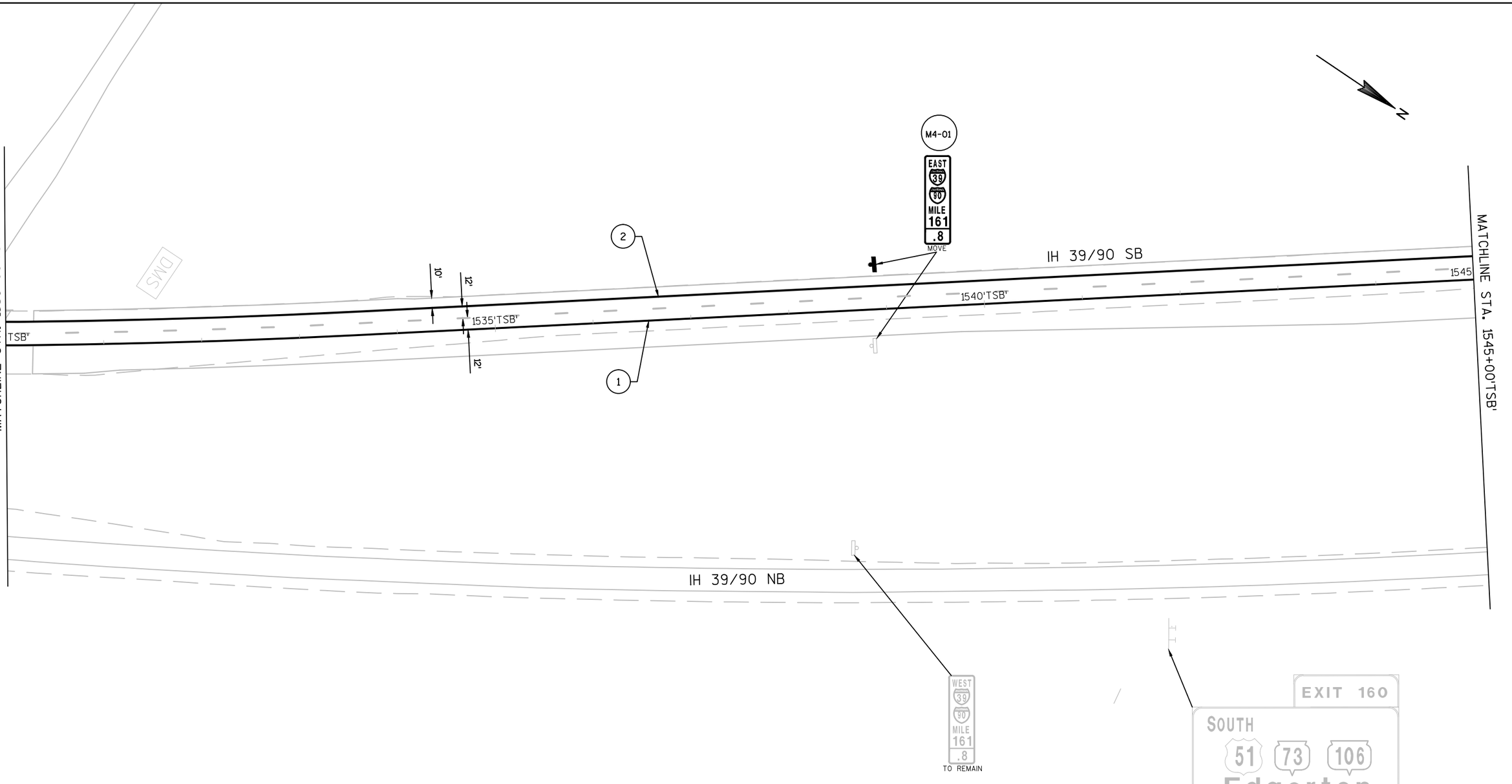
PERMANENT SIGNING LEGEND

- (X-XX) NEW SIGN
- (MX-XX) MOVE SIGN
- (RX-XX) REMOVE SIGN
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FLEXIBLE TUBULAR MARKER POSTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 77	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 022303-PS
PLOT DATE : 1/19/2016 3:40 PM PLOT BY : KEVIN DRUNASKY PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT

2



PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)

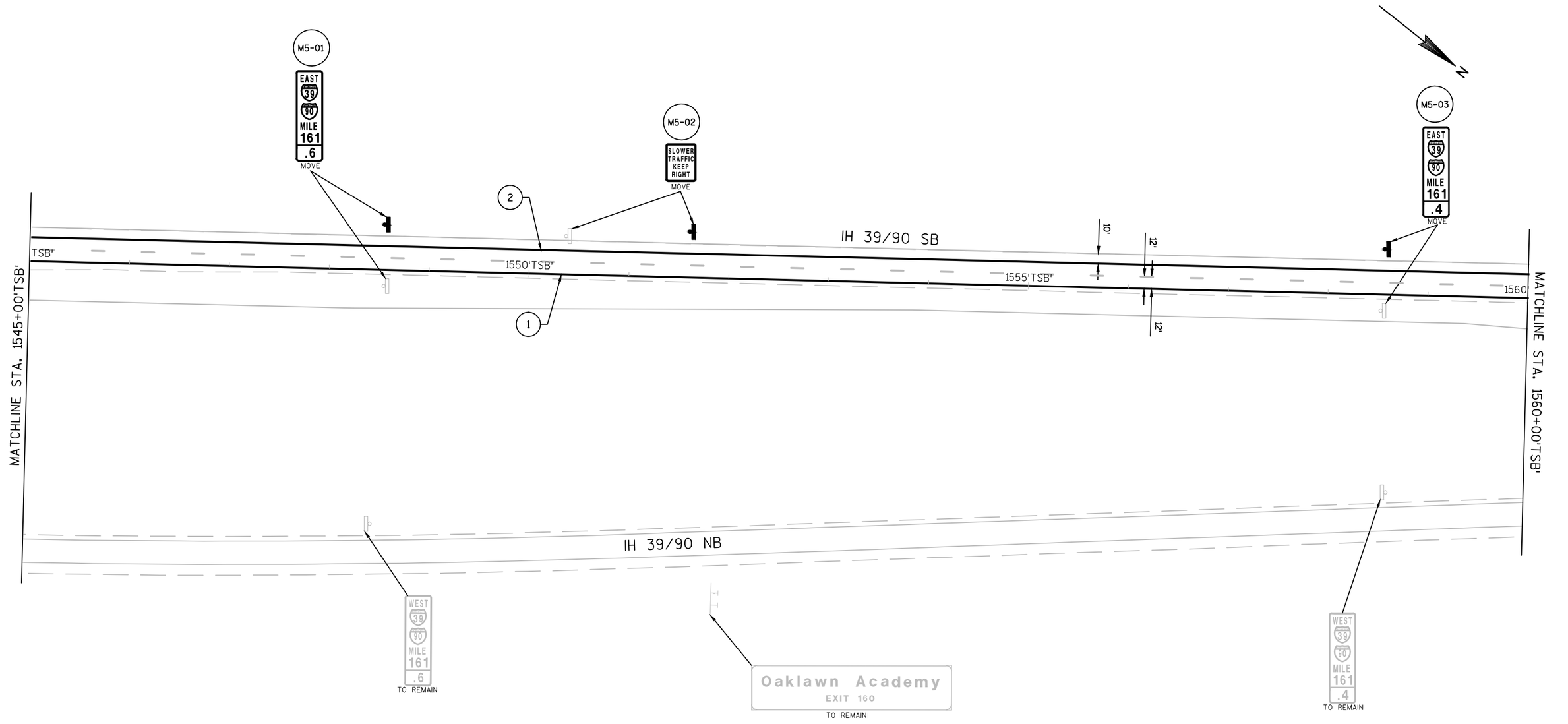
PERMANENT SIGNING LEGEND

- X-XX NEW SIGN
- MX-XX MOVE SIGN
- RX-XX REMOVE SIGN
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FLEXIBLE TUBULAR MARKER POSTS

PROJECT NO:1007-10-78	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 78	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 022304-PS
PLOT DATE : 1/19/2016 3:40 PM PLOT BY : KEVIN DRUNASKY PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

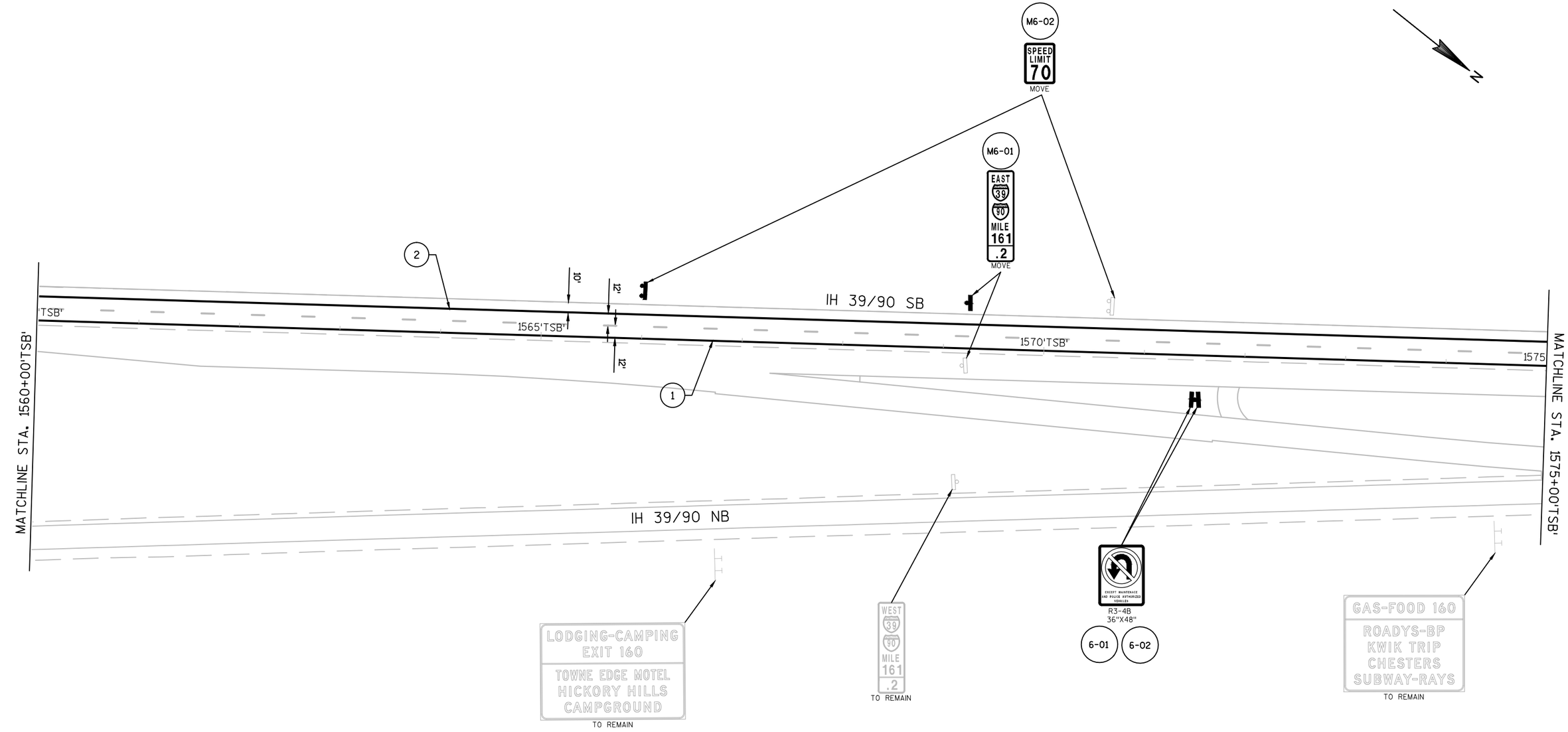
1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)

PERMANENT SIGNING LEGEND

- X-XX NEW SIGN
- MX-XX MOVE SIGN
- RX-XX REMOVE SIGN
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FLEXIBLE TUBULAR MARKER POSTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 79	E

2



PAVEMENT MARKING LEGEND

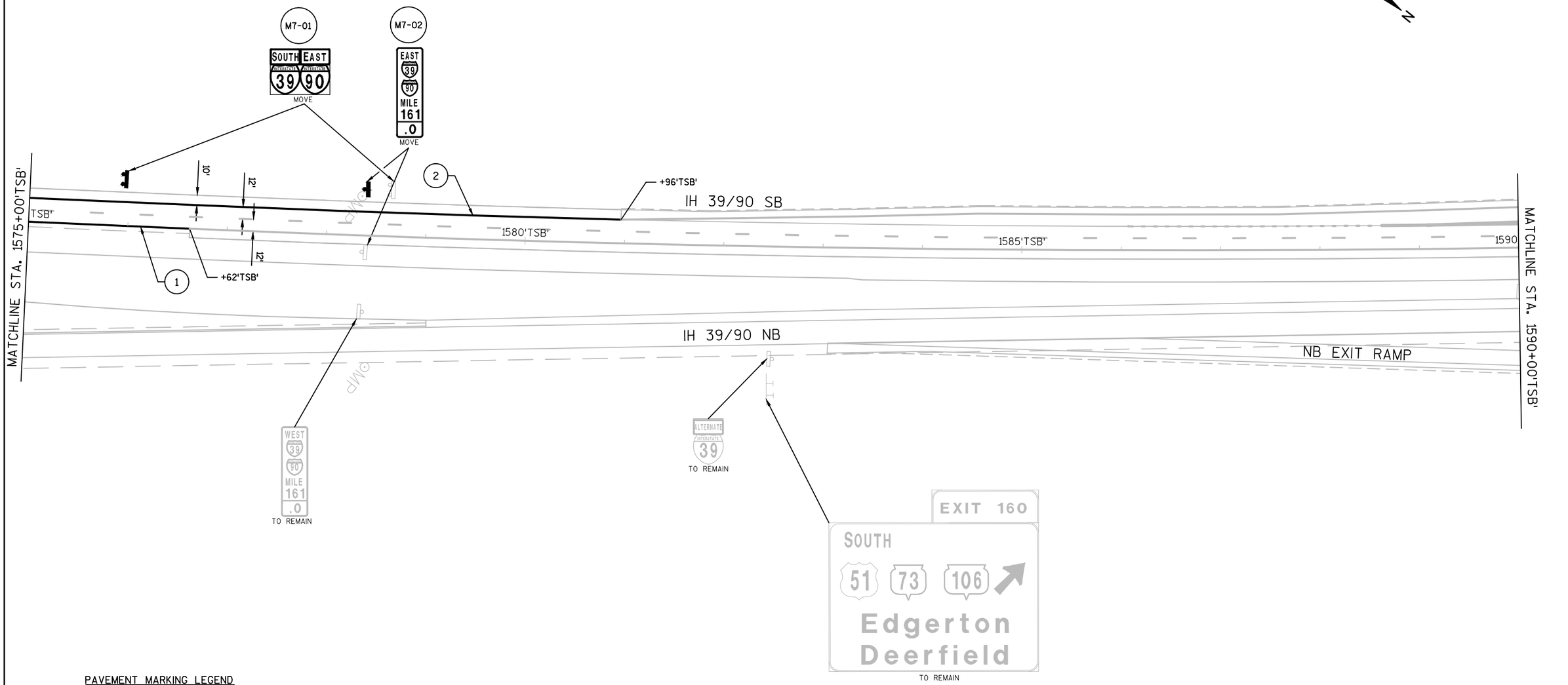
1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)

PERMANENT SIGNING LEGEND

- X-XX NEW SIGN
- MX-XX MOVE SIGN
- RX-XX REMOVE SIGN
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FLEXIBLE TUBULAR MARKER POSTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 80	E

2



PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)

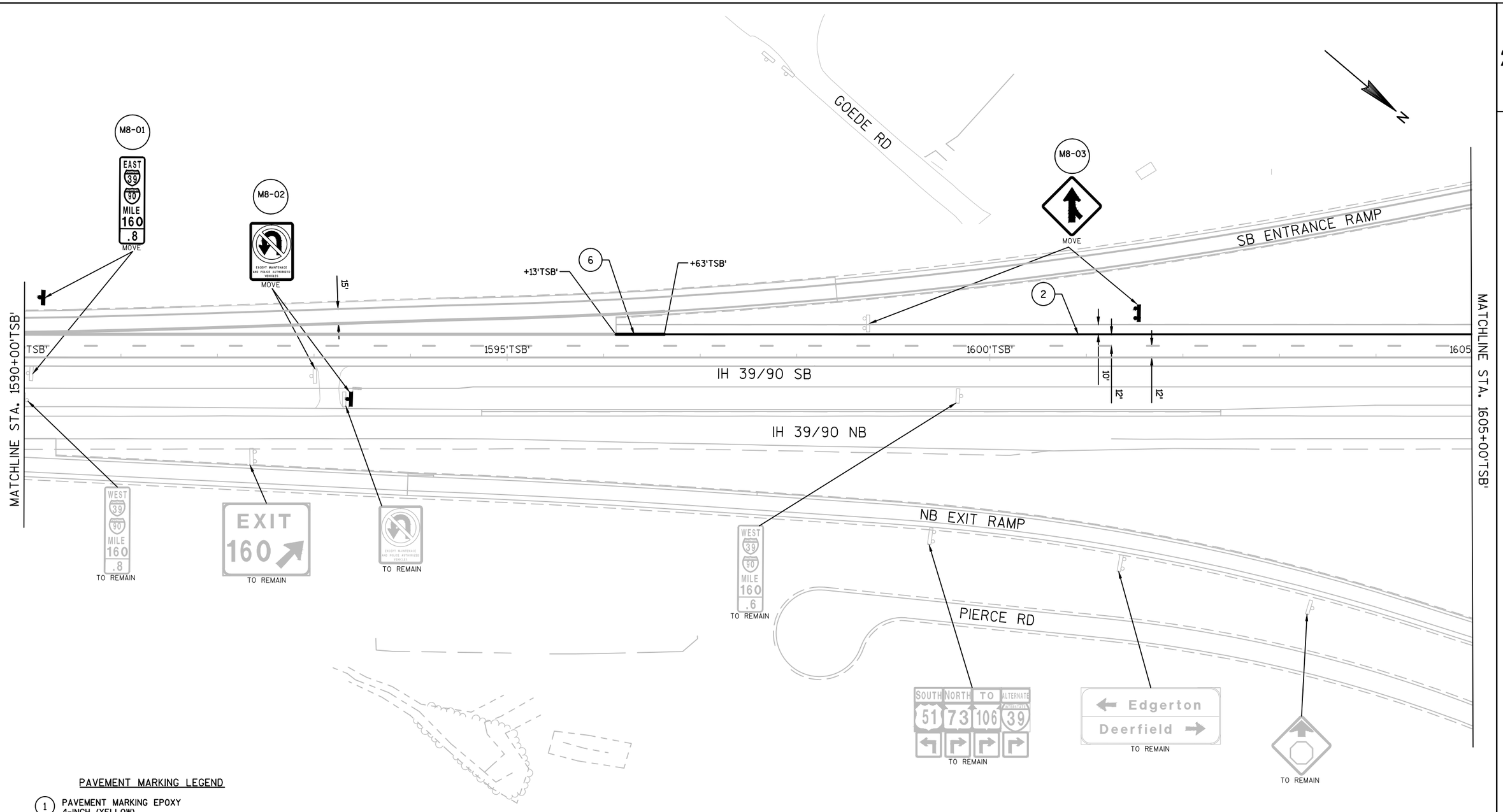
PERMANENT SIGNING LEGEND

- (X-XX) NEW SIGN
- (MX-XX) MOVE SIGN
- (RX-XX) REMOVE SIGN
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FLEXIBLE TUBULAR MARKER POSTS

PROJECT NO:1007-10-78	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 81	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 022307-PS
PLOT DATE : 1/19/2016 3:40 PM PLOT BY : KEVIN DRUNASKY PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

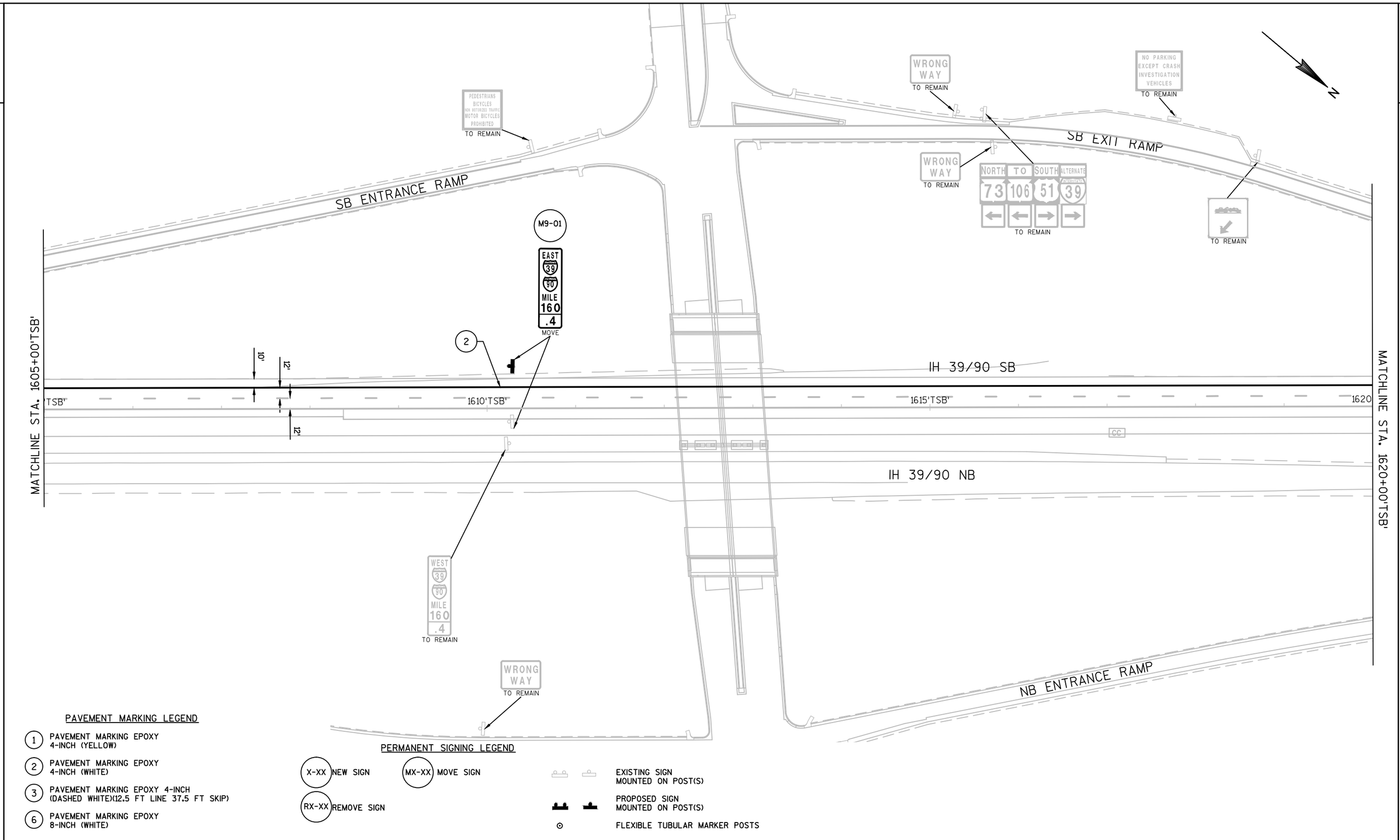
1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)

PERMANENT SIGNING LEGEND

- X-XX NEW SIGN
- MX-XX MOVE SIGN
- RX-XX REMOVE SIGN
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FLEXIBLE TUBULAR MARKER POSTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 82	E

2



PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)

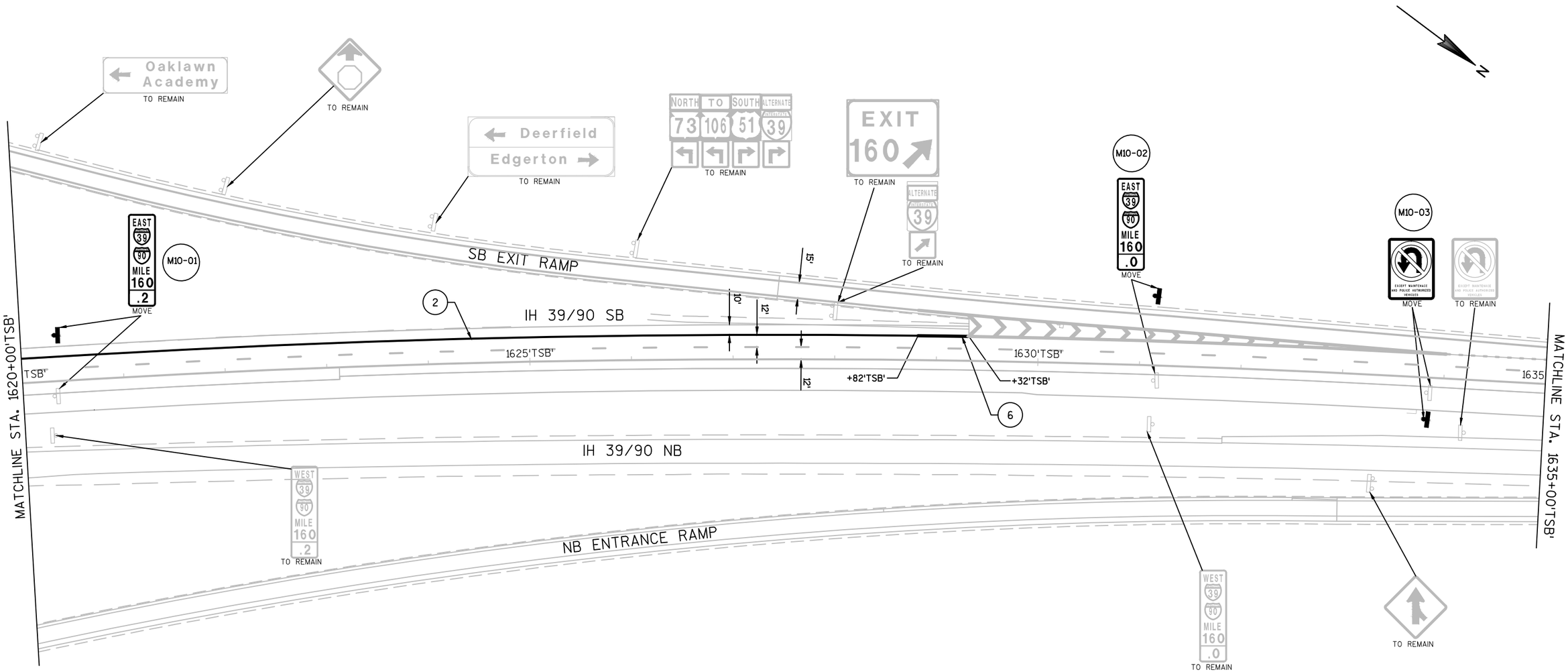
PERMANENT SIGNING LEGEND

- (X-XX) NEW SIGN
- (MX-XX) MOVE SIGN
- (RX-XX) REMOVE SIGN
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FLEXIBLE TUBULAR MARKER POSTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 83	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 022309-PS
PLOT DATE : 1/19/2016 3:40 PM PLOT BY : KEVIN DRUNASKY PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

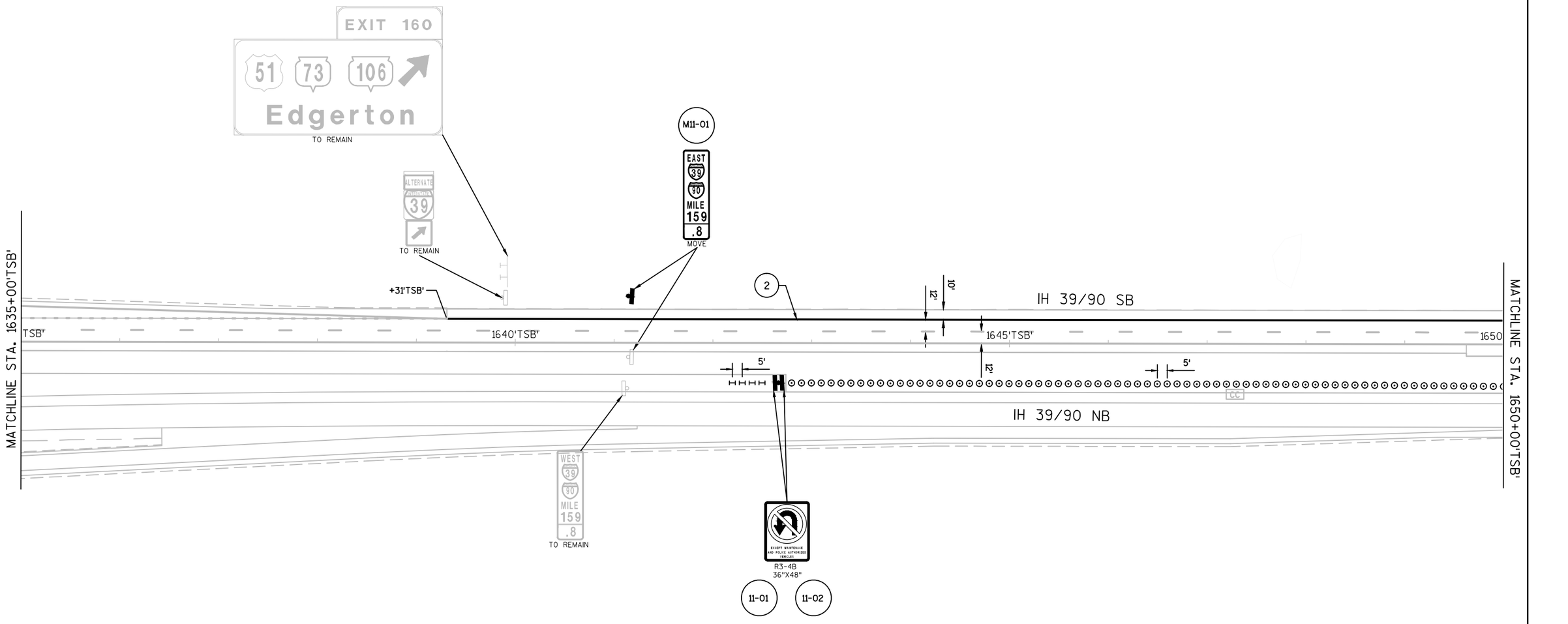
1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)

PERMANENT SIGNING LEGEND

- (X-XX) NEW SIGN
- (MX-XX) MOVE SIGN
- (RX-XX) REMOVE SIGN
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FLEXIBLE TUBULAR MARKER POSTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 84	E

2



PAVEMENT MARKING LEGEND

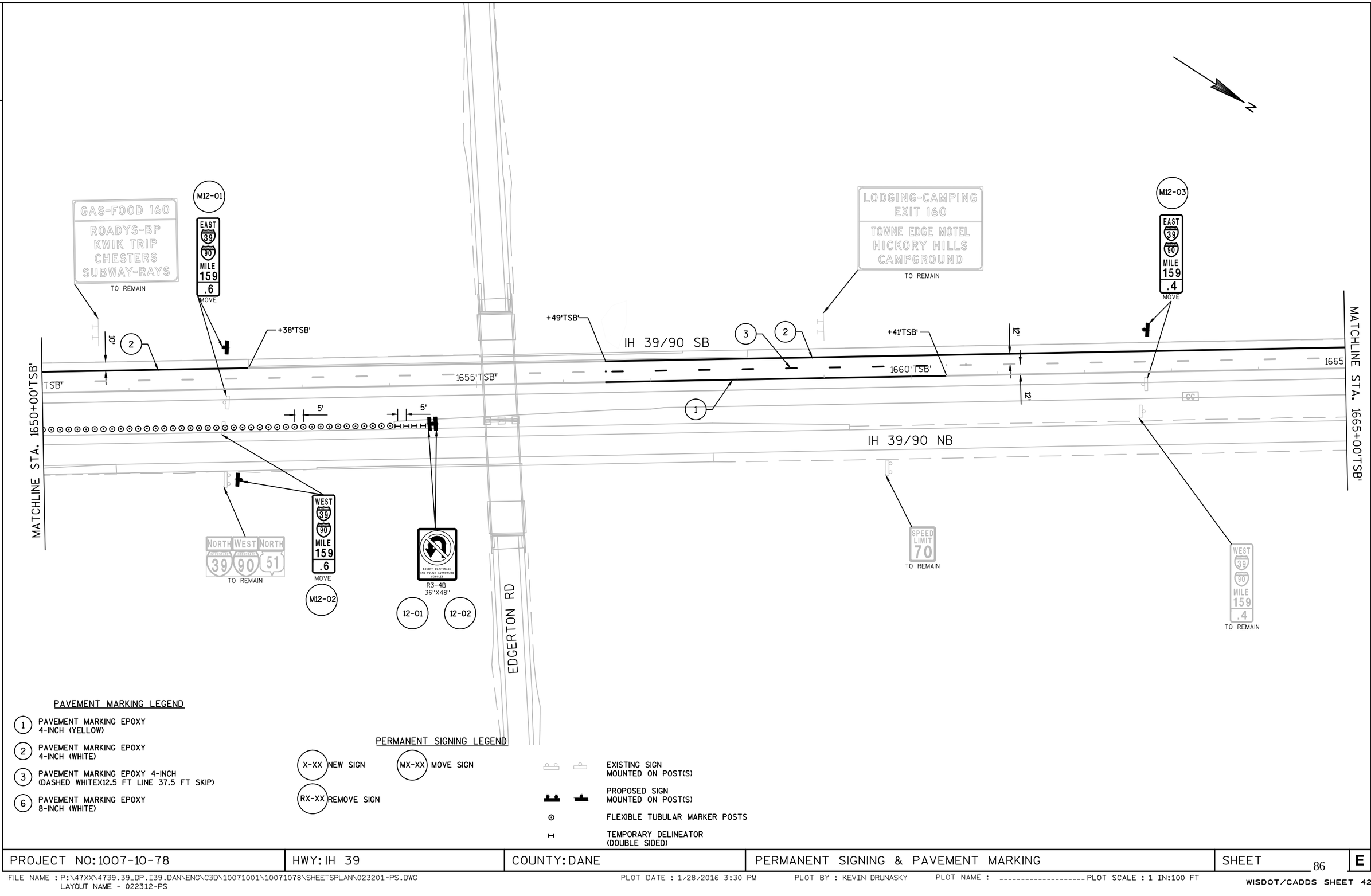
1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)

PERMANENT SIGNING LEGEND

- X-XX NEW SIGN
- MX-XX MOVE SIGN
- RX-XX REMOVE SIGN
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY DELINEATOR (DOUBLE SIDED)

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 85	E

2



PAVEMENT MARKING LEGEND

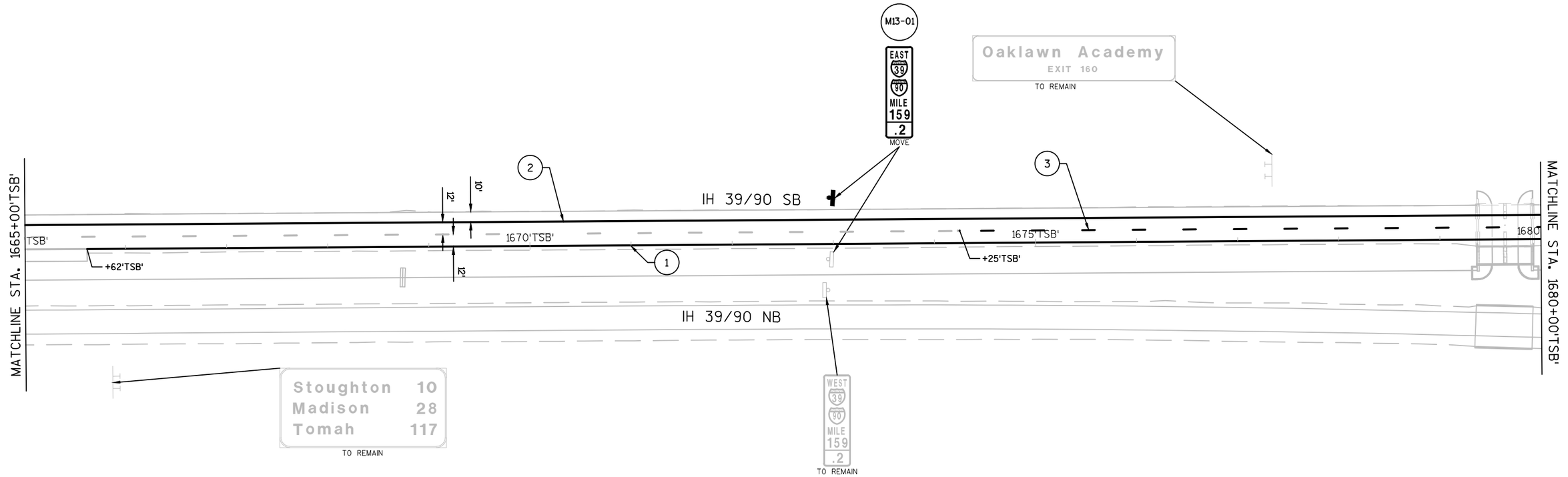
1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)

PERMANENT SIGNING LEGEND

- X-XX NEW SIGN
- MX-XX MOVE SIGN
- RX-XX REMOVE SIGN
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FLEXIBLE TUBULAR MARKER POSTS
- TEMPORARY DELINEATOR (DOUBLE SIDED)

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 86	E

2



PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)

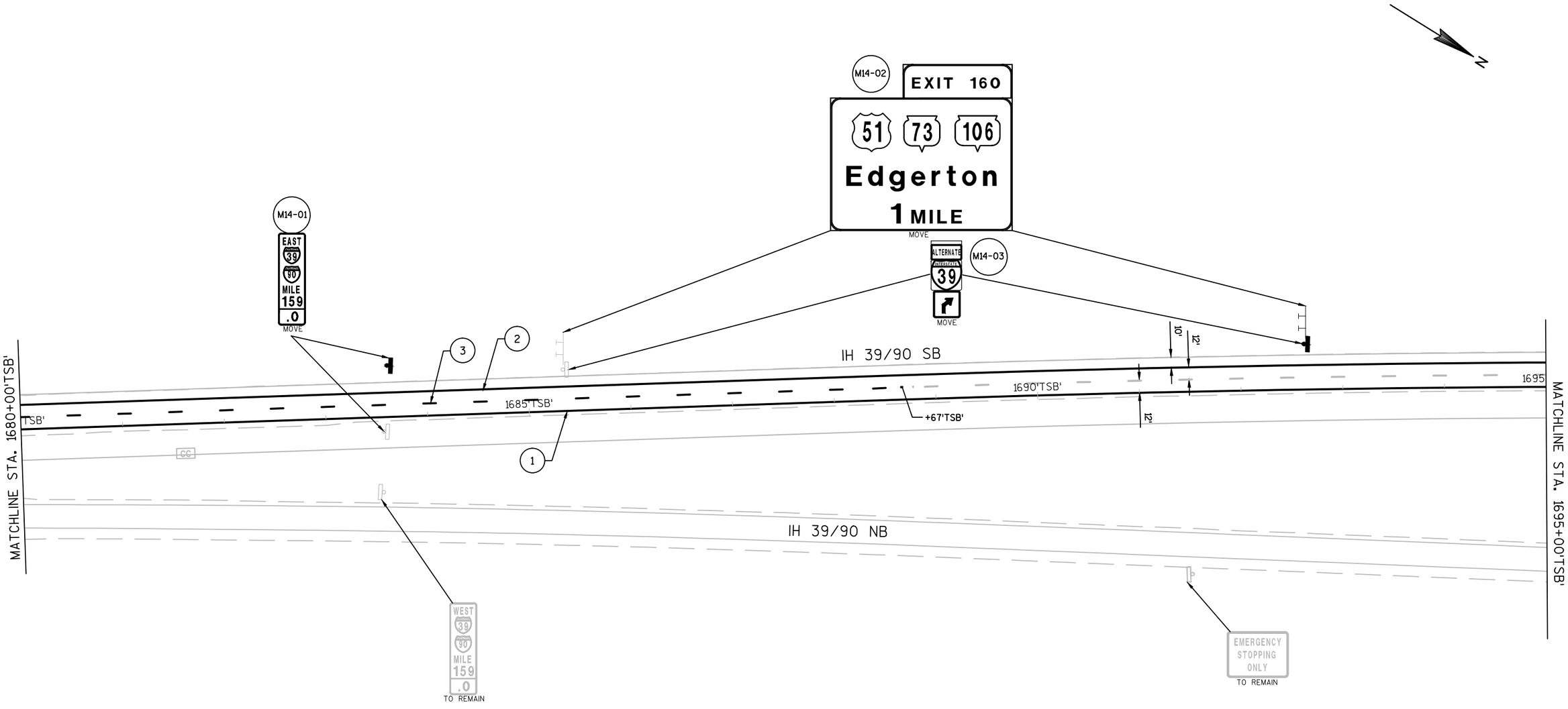
PERMANENT SIGNING LEGEND

- X-XX NEW SIGN
- MX-XX MOVE SIGN
- RX-XX REMOVE SIGN
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FLEXIBLE TUBULAR MARKER POSTS

PROJECT NO:1007-10-78	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 87	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 022313-PS
PLOT DATE : 1/19/2016 3:40 PM PLOT BY : KEVIN DRUNASKY PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

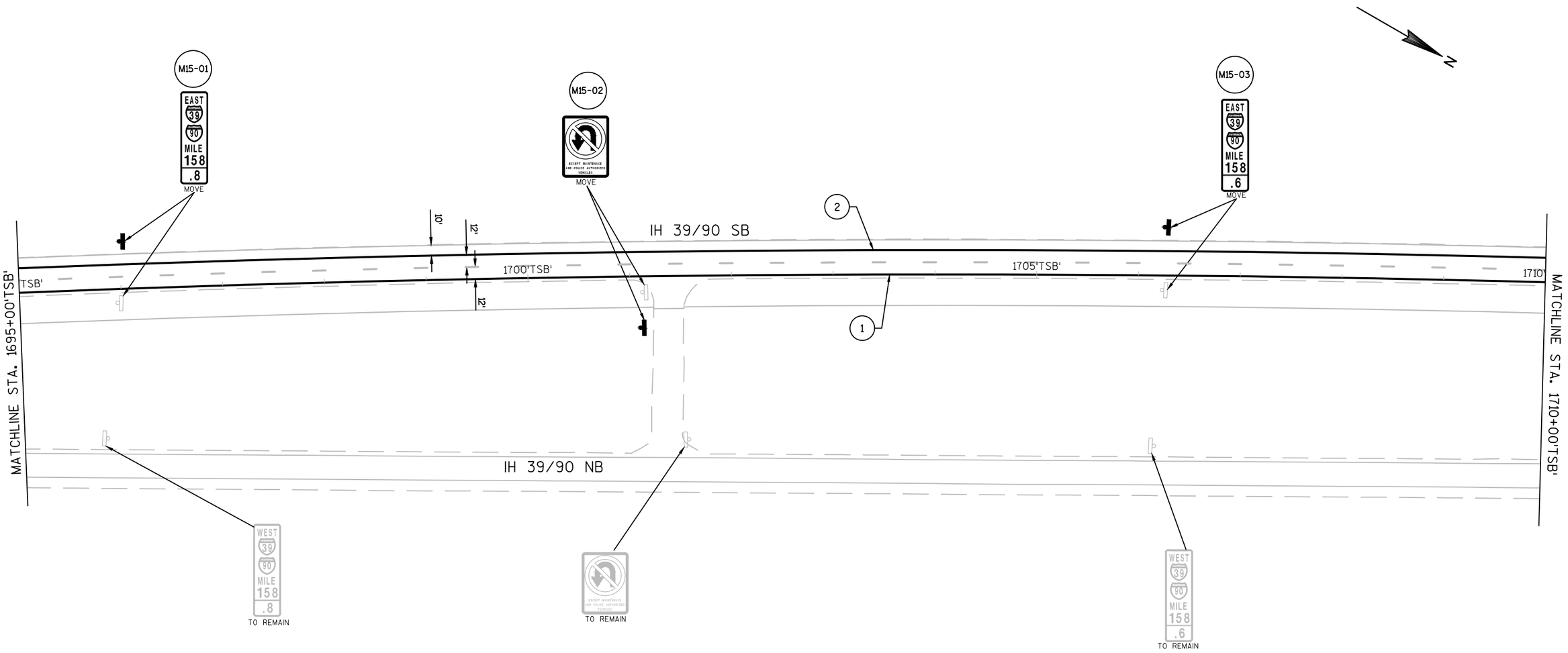
1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)

PERMANENT SIGNING LEGEND

- X-XX NEW SIGN
- MX-XX MOVE SIGN
- RX-XX REMOVE SIGN
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FLEXIBLE TUBULAR MARKER POSTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 88	E

2



PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)

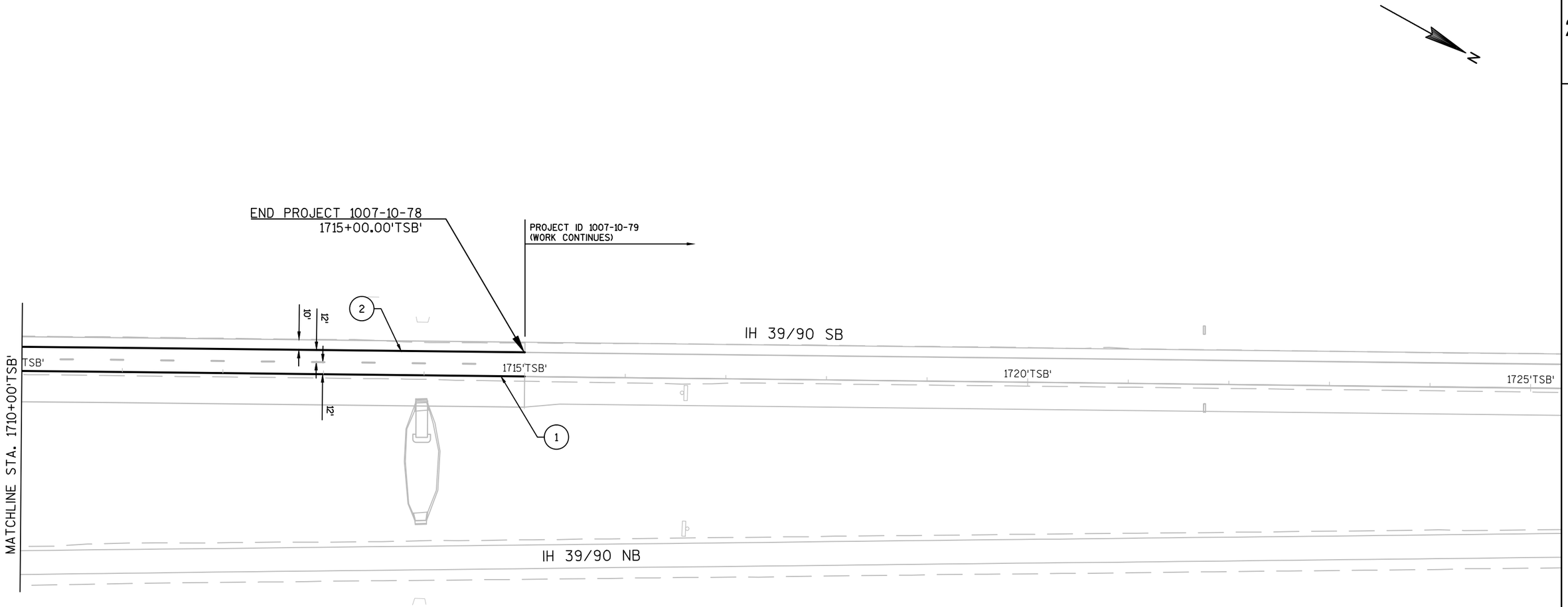
PERMANENT SIGNING LEGEND

- X-XX NEW SIGN
- MX-XX MOVE SIGN
- RX-XX REMOVE SIGN
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FLEXIBLE TUBULAR MARKER POSTS

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 89	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 022315-PS
PLOT DATE : 1/19/2016 3:40 PM PLOT BY : KEVIN DRUNASKY PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

(1) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

(2) PAVEMENT MARKING EPOXY 4-INCH (WHITE)

(3) PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)

(6) PAVEMENT MARKING EPOXY 8-INCH (WHITE)

PERMANENT SIGNING LEGEND

(X-XX) NEW SIGN

(MX-XX) MOVE SIGN

(RX-XX) REMOVE SIGN

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

FLEXIBLE TUBULAR MARKER POSTS

PROJECT NO:1007-10-78	HWY:IH 39	COUNTY:DANE	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 90	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 022316-PS
PLOT DATE : 1/19/2016 3:40 PM PLOT BY : KEVIN DRUNASKY PLOT NAME : ---------- PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, 500 FEET DESIRABLE, DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

REDUCED SPEED AHEAD AND SPEED LIMIT 55 SIGNS MUST BE POST MOUNTED.

SPEED LIMIT SIGNS SHALL ALSO BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND AT 0.5 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

THE LOCATION OF THE FIRST SIGN INDICATING THE 55 MPH REGULATORY SPEED LIMIT IS REFERENCED FROM BEGINNING OF LANE CLOSURE TAPER. THE 55 MPH REGULATORY SPEED LIMIT SIGN LOCATION MUST BE ADJUSTED WHEN CONSTRUCTION ACTIVITIES REQUIRE THE LANE CLOSURE START LOCATION TO CHANGE.

TRAFFIC CONTROL DEVICES NOT IN USE SHALL BE LAYED DOWN OR REMOVED, TURNING OF DEVICES TO OBSCURE THE MESSAGE WILL NOT BE ALLOWED.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

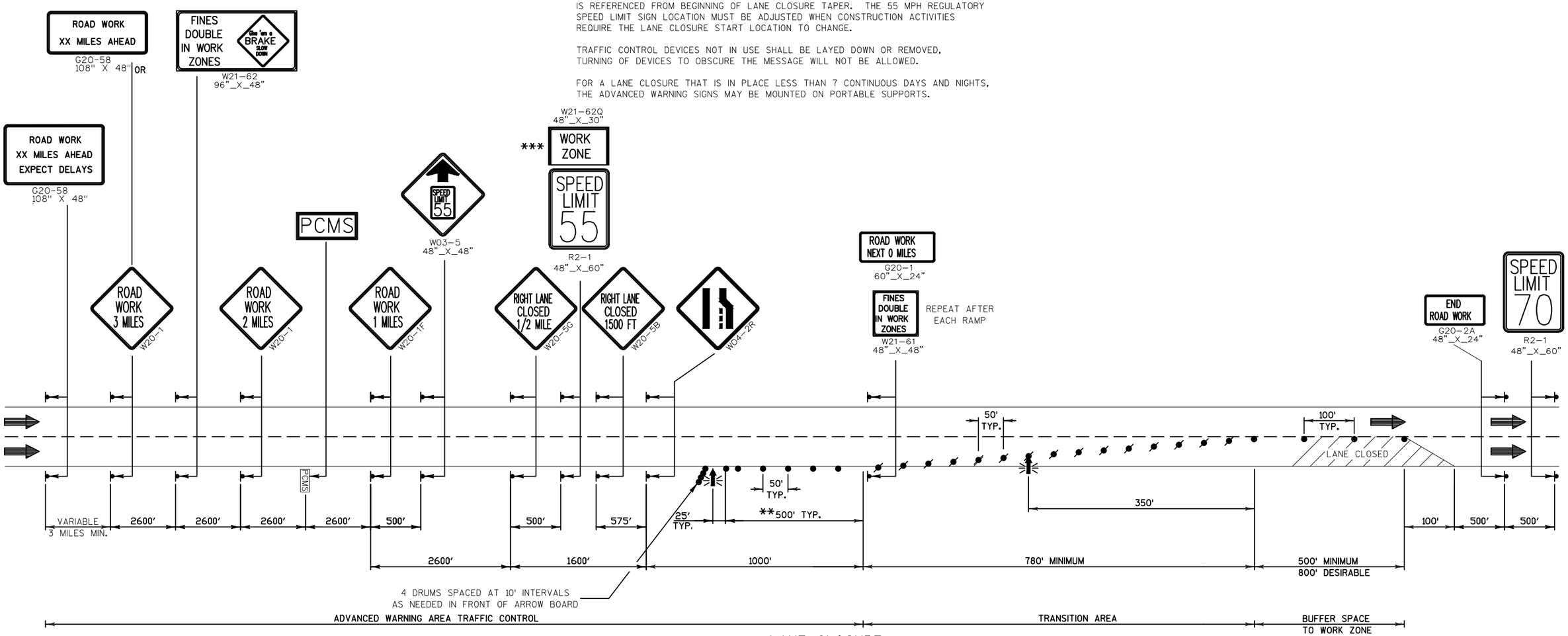
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

** CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM OF 1500 FEET IN FRONT OF THE DRUMS.

*** SEE REQUIREMENT FOR TEMPORARY REGULATORY SPEED REDUCTION IN THE SPECIAL PROVISIONS.

COVERING AND REMOVAL OF MATERIAL COVERING TEMPORARY REGULATORY SPEED LIMIT SIGNS AND EXISTING SPEED LIMIT SIGNS RELATED TO TEMPORARY AND/OR PERIODIC LANE CLOSURES SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.



LANE CLOSURE

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN: TRAFFIC CONTROL CONSTRUCTION DETAIL	SHEET	E

2

LEGEND

- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, 500 FEET DESIRABLE, DISTANCE TO EXISTING SIGNS.

THIS SHOULDER CLOSURE IS TYPICAL FOR CLOSING RIGHT SHOULDER - REVERSE FOR CLOSING LEFT SHOULDER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

FOR A SHOULDER CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE CRASHWORTHY SUPPORTS.

REDUCED SPEED AHEAD AND SPEED LIMIT 55 SIGNS MUST BE POST MOUNTED.

SPEED LIMIT SIGNS SHALL ALSO BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND AT 0.5 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

THE LOCATION OF THE FIRST SIGN INDICATING THE 55 MPH REGULATORY SPEED LIMIT IS REFERENCED FROM BEGINNING OF SHOULDER CLOSURE TAPER. THE 55 MPH REGULATORY SPEED LIMIT SIGN LOCATION MUST BE ADJUSTED WHEN CONSTRUCTION ACTIVITIES REQUIRE THE SHOULDER CLOSURE START LOCATION TO CHANGE.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE SHOULDER CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE SHOULDER CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ½ THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

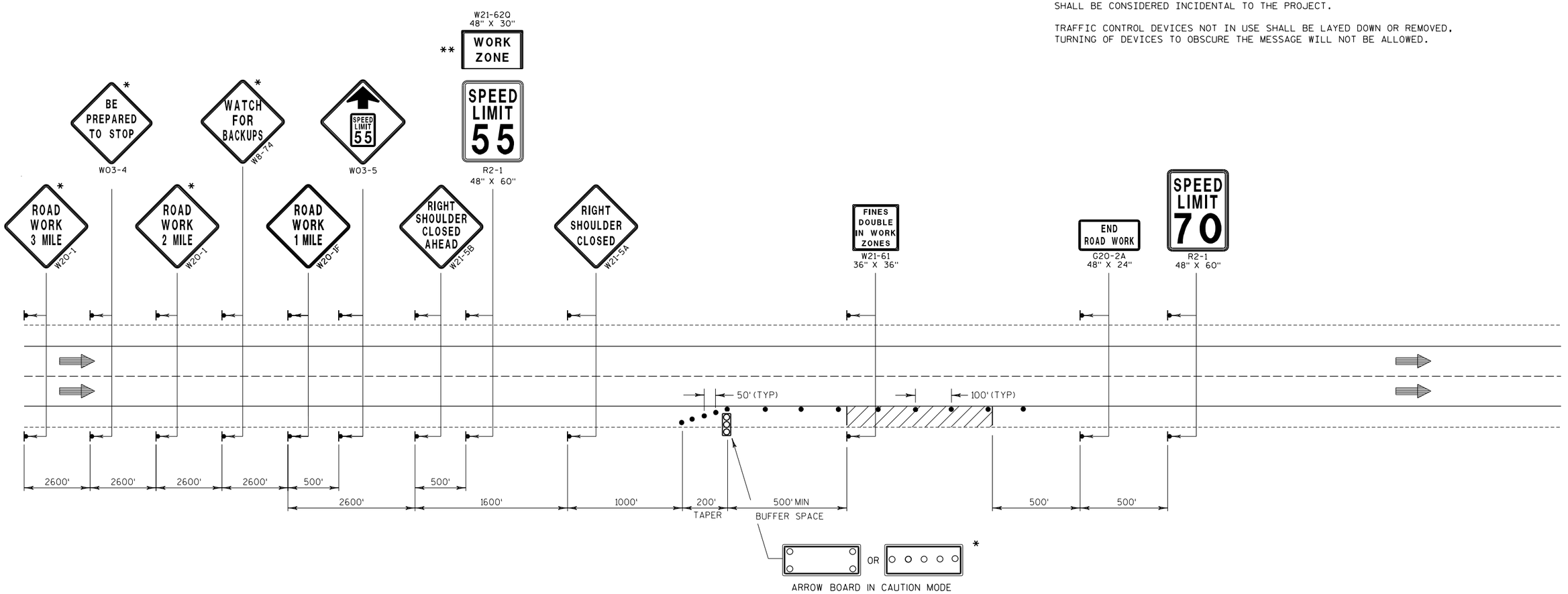
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND SHOULDER CLOSURE DRUMS FOR A MINIMUM OF 1500 FEET IN FRONT OF THE DRUMS.

* PROVIDE ITEM WHEN SPECIFIED IN MISCELLANEOUS QUANTITIES OR SPECIAL PROVISIONS.

** SEE REQUIREMENT FOR TEMPORARY REGULATORY SPEED REDUCTION IN THE SPECIAL PROVISIONS.

COVERING AND REMOVAL OF MATERIAL COVERING TEMPORARY REGULATORY SPEED LIMIT SIGNS AND EXISTING SPEED LIMIT SIGNS RELATED TO TEMPORARY AND/OR PERIODIC SHOULDER CLOSURES SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

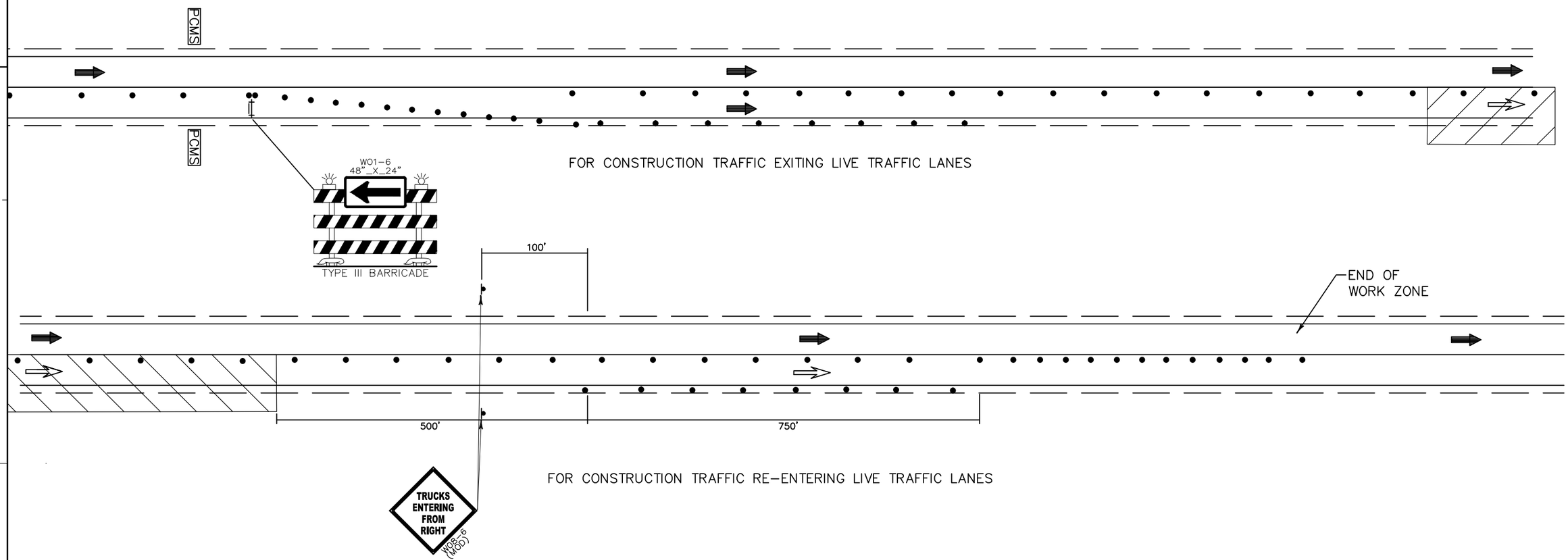
TRAFFIC CONTROL DEVICES NOT IN USE SHALL BE LAYED DOWN OR REMOVED, TURNING OF DEVICES TO OBSCURE THE MESSAGE WILL NOT BE ALLOWED.



SHOULDER CLOSURE - REGULATORY SPEED REDUCTION WITHOUT BARRIER

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL CONSTRUCTION DETAILS	SHEET 92	E

2



FOR CONSTRUCTION TRAFFIC EXITING LIVE TRAFFIC LANES

FOR CONSTRUCTION TRAFFIC RE-ENTERING LIVE TRAFFIC LANES

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

SEE OTHER TRAFFIC CONTROL DETAILS AND STANDARD
DETAIL DRAWINGS FOR LANE CLOSURE DETAILS

PORTABLE MESSAGE SIGN MESSAGES SHOULD READ:

FRAME 1	FRAME 2
TRUCKS EXITING RIGHT	TRAFFIC STAY LEFT

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL SIGN
- IH 39 TRAFFIC
- CONSTRUCTION TRAFFIC
- WORK ZONE
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

TRAFFIC CONTROL DETAIL FOR CONSTRUCTION ACCESS AT LANE CLOSURES

NIGHT USE ONLY

2

MAINTENANCE OF TRAFFIC

IH 39
-TRAFFIC SHALL BE MAINTAINED ON ALL EXISTING LANES.
-NIGHTTIME LANE AND SHOULDER CLOSURE SHALL BE USED FOR SHOULDER RECONSTRUCT.

CONSTRUCTION TO BE COMPLETED

-RECONSTRUCT OUTSIDE SHOULDER SOUTHBOUND LANES
-WIDEN MEDIAN SHOULDER NORTHBOUND LANES
-MILL AND PAVE SOUTHBOUND LANES

GENERAL NOTES FOR TRAFFIC CONTROL

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES ARE TO BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

THE SPACING BETWEEN PROPOSED SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

CONFLICTING TRAFFIC SIGNS ARE TO BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER. EXISTING SIGNS COVERED BY A PROPOSED TRAFFIC CONTROL SIGN OR TRAFFIC CONTROL DETOUR SIGN ARE PAID FOR AS TRAFFIC CONTROL SIGNS OR TRAFFIC CONTROL DETOUR SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A TYPE C WARNING LIGHT.

ALL TYPE III BARRICADES ARE TO BE 8' WIDE, UNLESS OTHERWISE NOTED. EQUIP WITH TYPE "A" (LOW INTENSITY FLASHING) LIGHTS PER SDDS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM OF 1500 FEET IN FRONT OF THE DRUMS.

TRAFFIC CONTROL DEVICES NOT IN USE ARE TO BE LAID DOWN OR REMOVED. TURNING OF DEVICES TO OBSTRUCT THE MESSAGE WILL NOT BE ALLOWED.

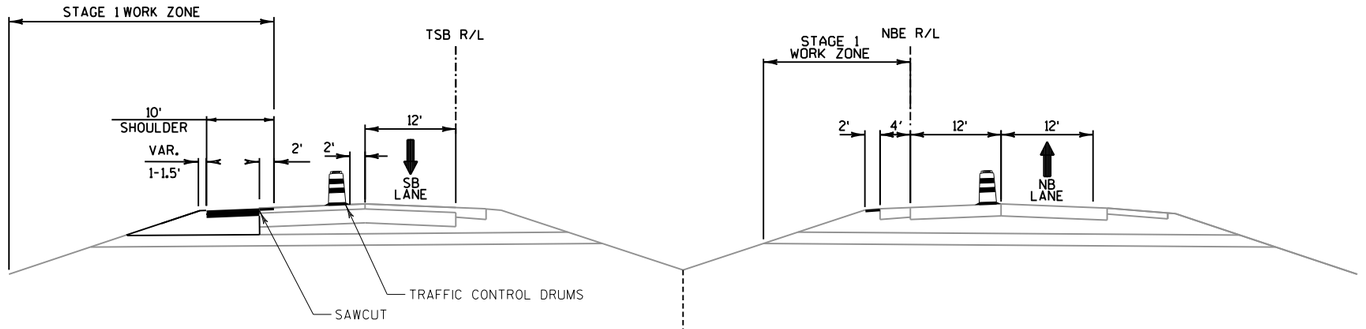
DIMENSIONS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE FACE OF BARRIER ADJACENT TO TRAFFIC. STATION CALL-OUTS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE CENTER OF THE BARRIER.

ALWAYS PROVIDE A MINIMUM OF 2' CLEAR FROM EDGE OF TRAVEL LANE TO THE TOE OF THE TEMPORARY PRECAST CONCRETE BARRIER.

PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.

PORTABLE CHANGEABLE MESSAGE SIGNS(PCMS) SHALL BE PLACED 1 MILE PRIOR TO TRAFFIC CONTROL ADVANCED WARNING SIGNS OR AS DIRECTED BY ENGINEER. PCMS SHALL BE IN PLACE 1 WEEK PRIOR TO AND DURING CONSTRUCTION AND SHALL BE USED TO INFORM THE PUBLIC OF THE PROJECT. CONTACT SW REGION TRAFFIC TEAM FOR LEADER MESSAGES.

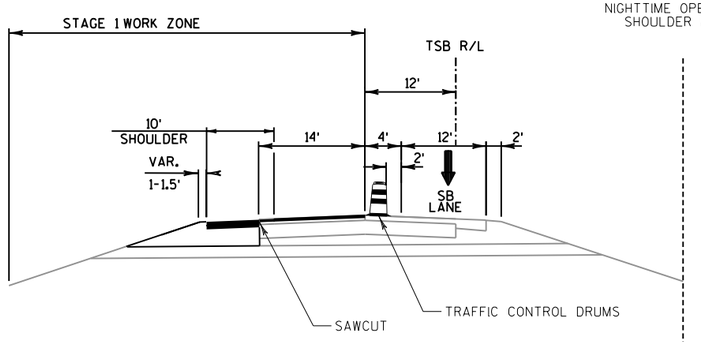
NORTHBOUND MEDIAN LANE SHALL BE CLOSED IN ADDITION TO THE SOUTHBOUND LANE IF THE MEDIAN WORK ZONE IS LESS THAN 30 FT TO THE NORTHBOUND INSIDE EDGE OF TRAVEL LANE.



PROPOSED CONSTRUCTION TYPICAL SECTION

IH 39

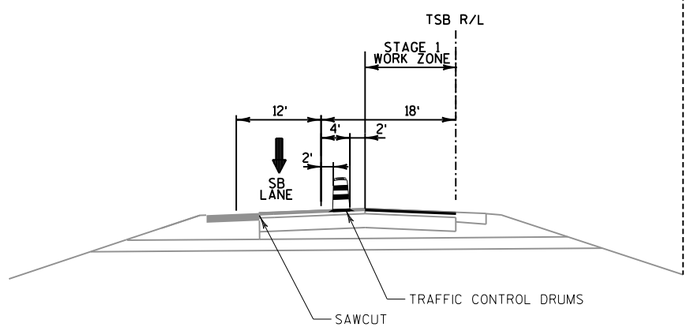
NIGHTTIME OPERATION
SHOULDER WORK



PROPOSED CONSTRUCTION TYPICAL SECTION

IH 39

NIGHTTIME OPERATION
STA 1656+49'TSB' - 1661+41'TSB'
STA 1677+36'TSB' - 1681+92'TSB'



PROPOSED CONSTRUCTION TYPICAL SECTION

IH 39

NIGHTTIME OPERATION
STA 1656+49'TSB' - 1661+41'TSB'
STA 1677+36'TSB' - 1681+92'TSB'

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL - TYPICAL SECTION STAGE 1	SHEET 94	E

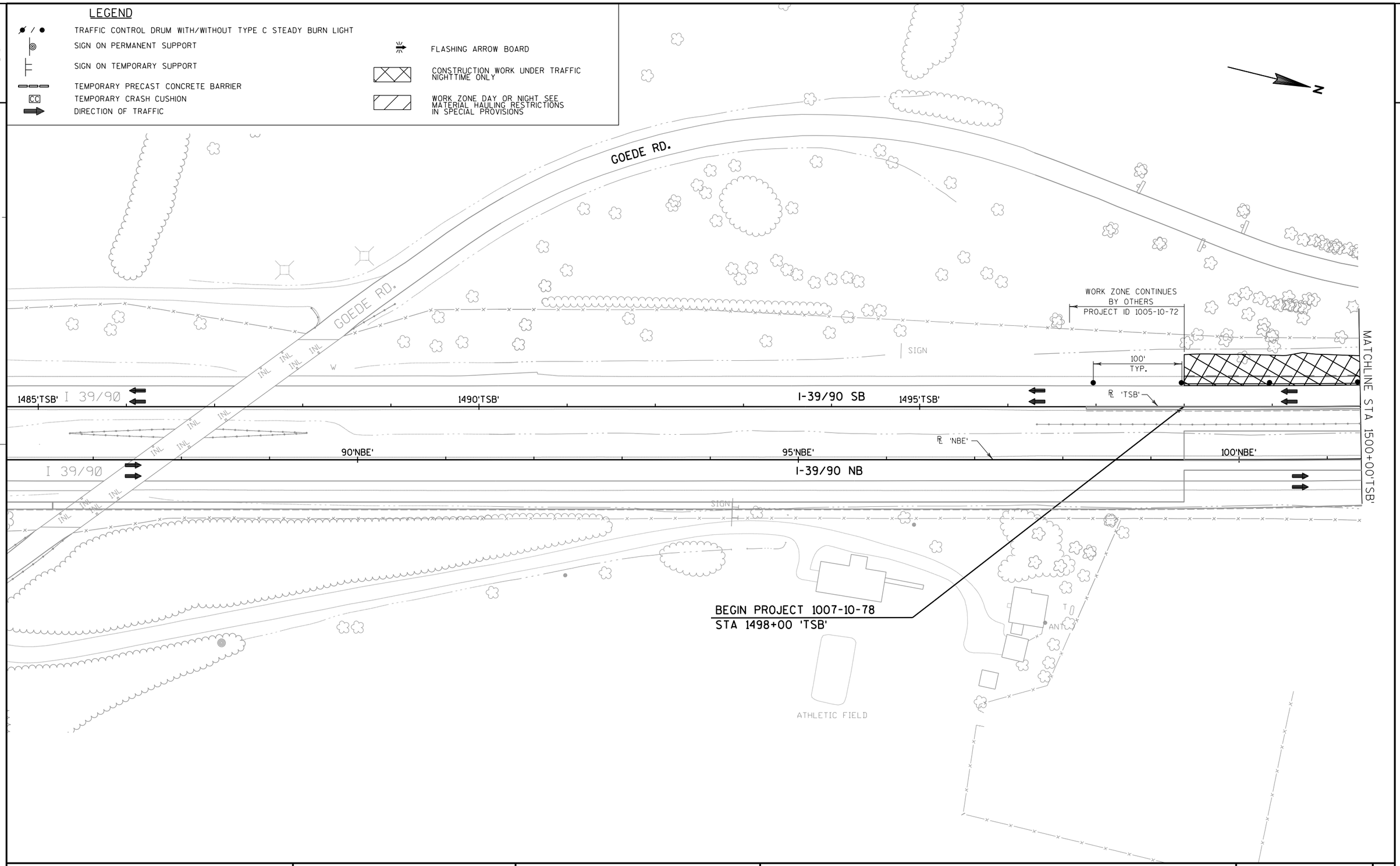
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026101_tc1_ts.dgn PLOT DATE : 2/17/2016 PLOT BY : kjd PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 42

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



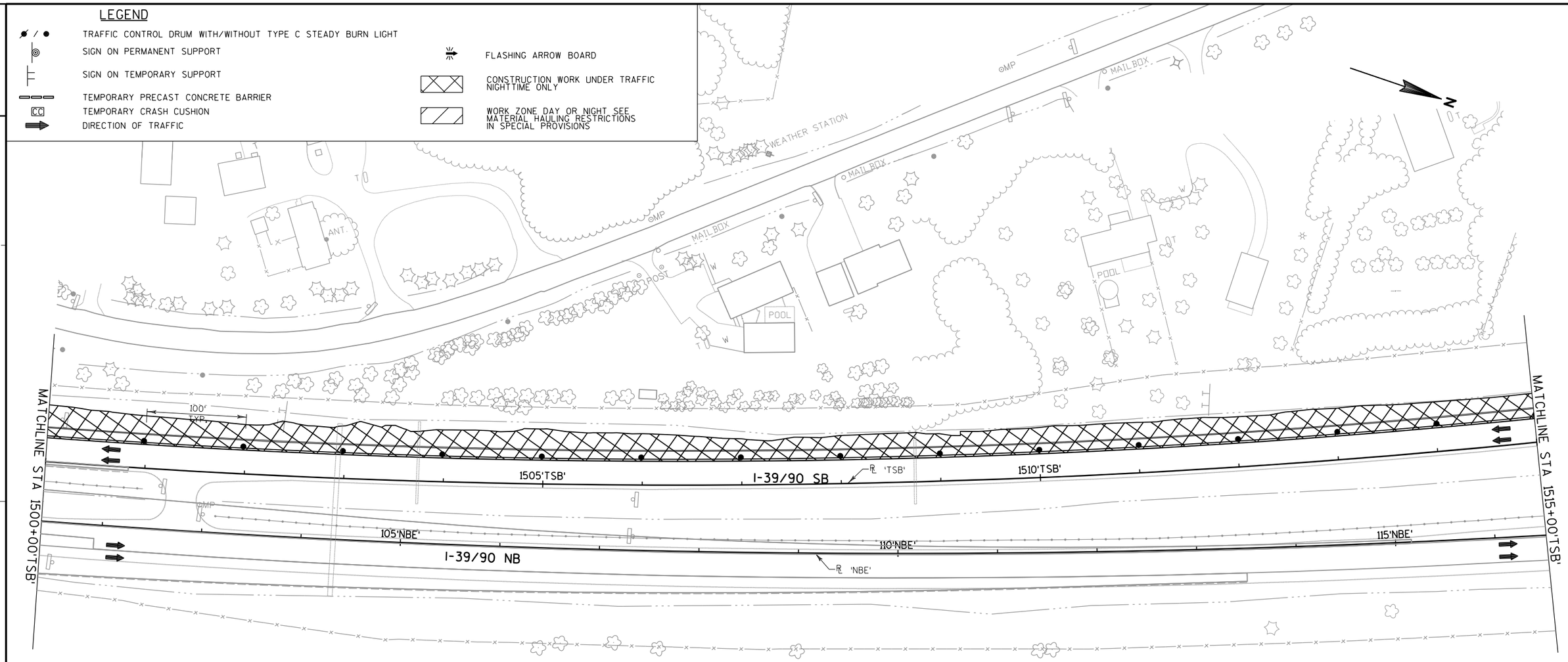
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 95	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026102_tc1.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



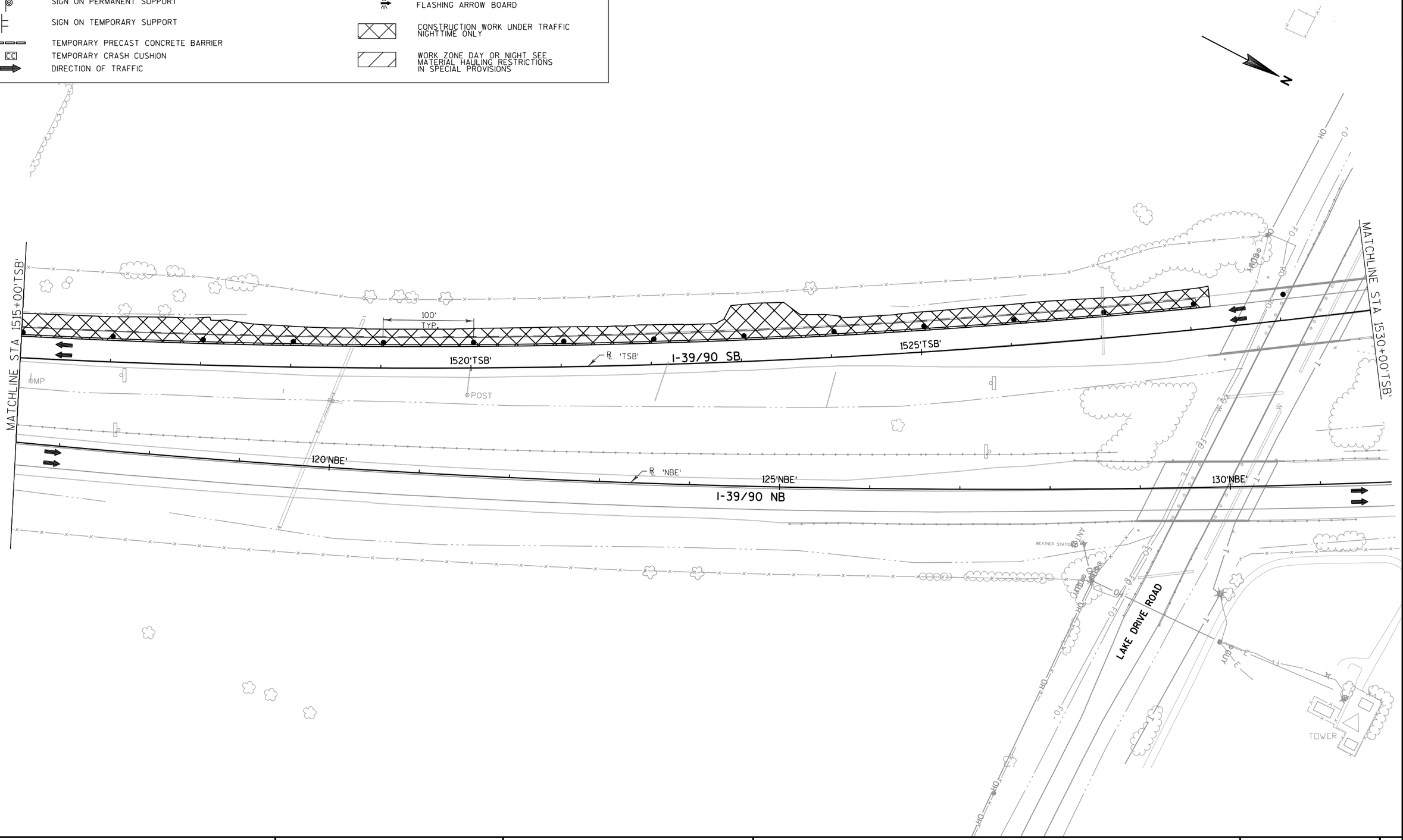
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 96	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026103_tc1.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



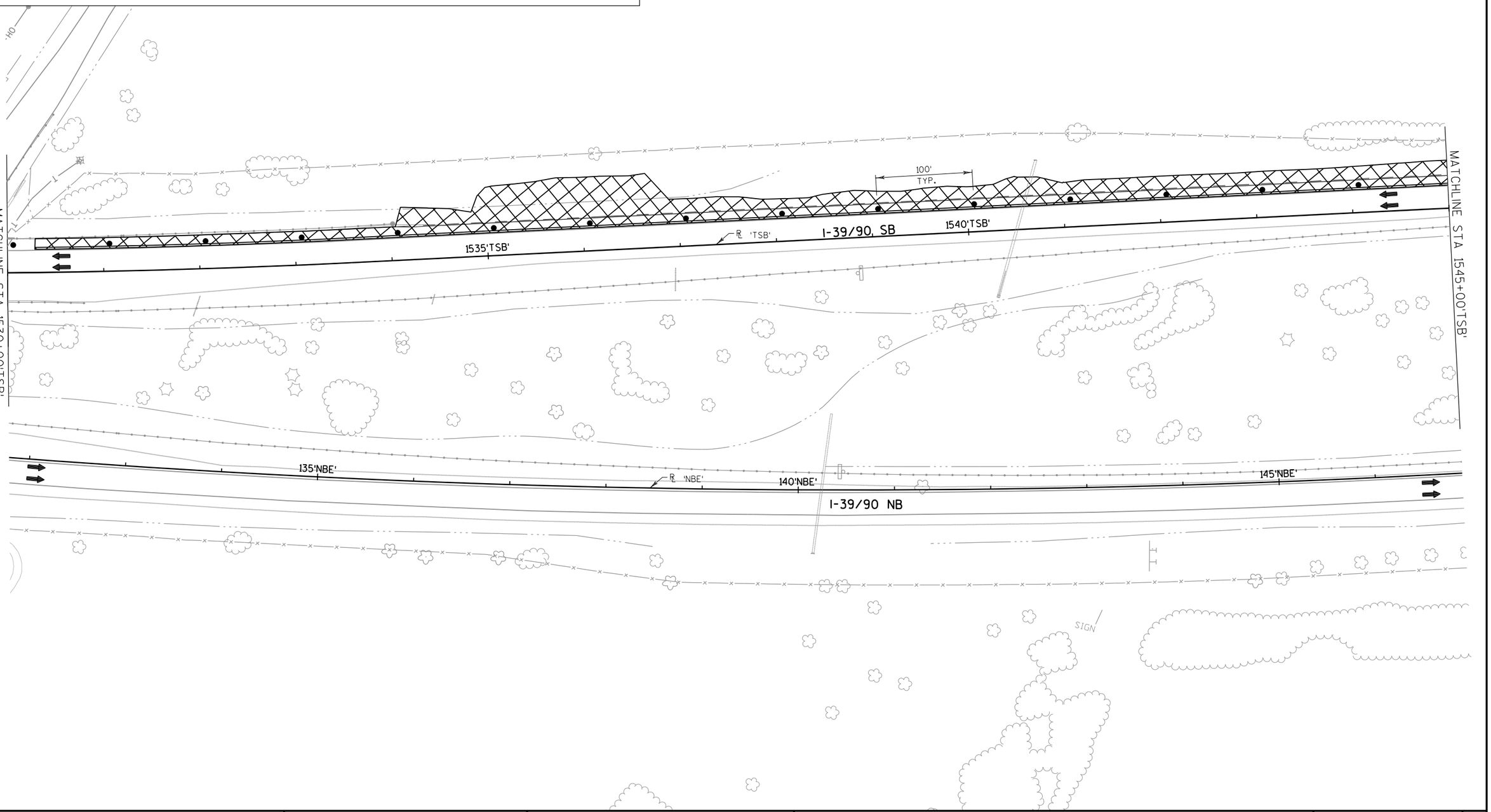
2

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 97	E

2

LEGEND

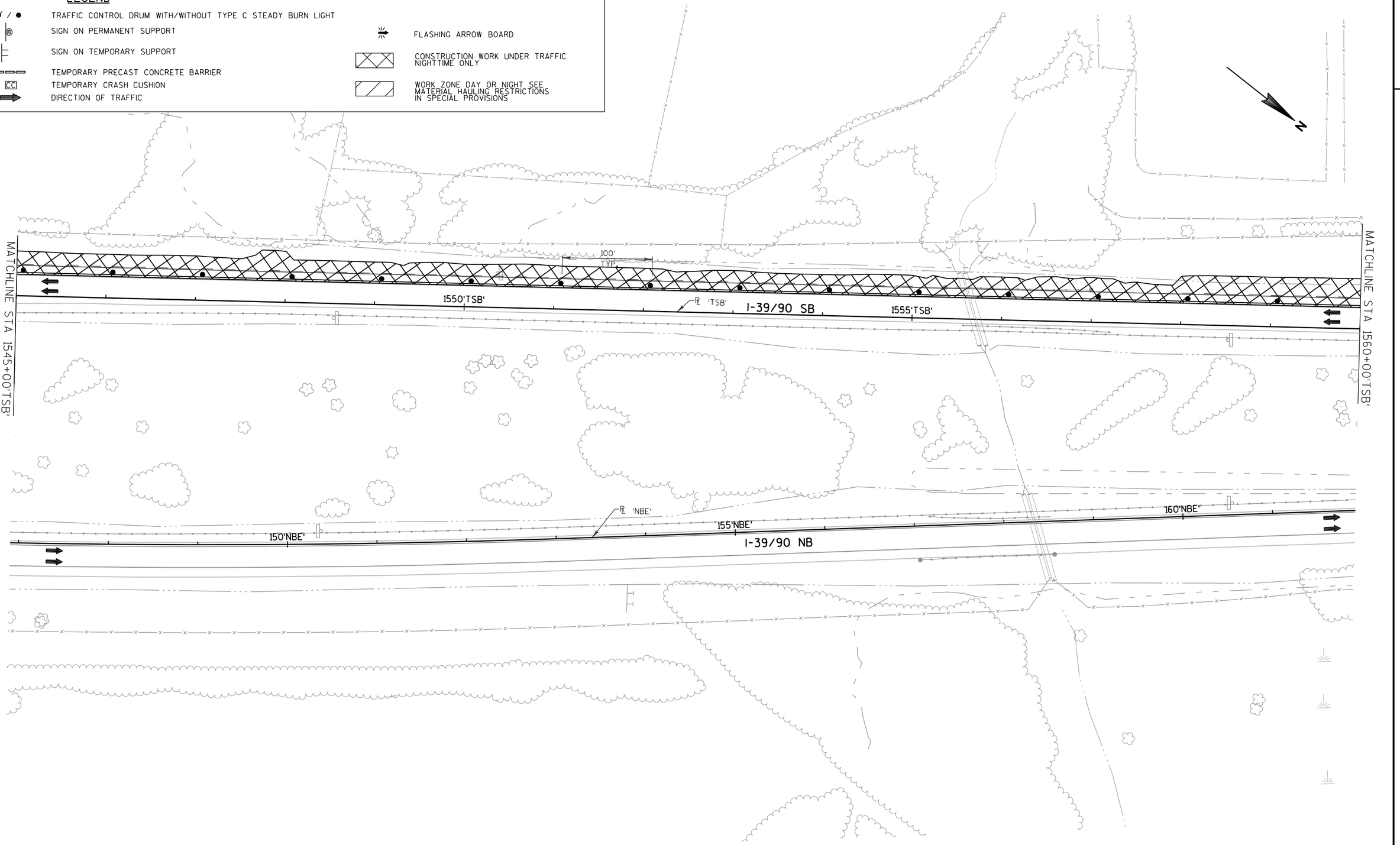
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 98	E

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 99	E

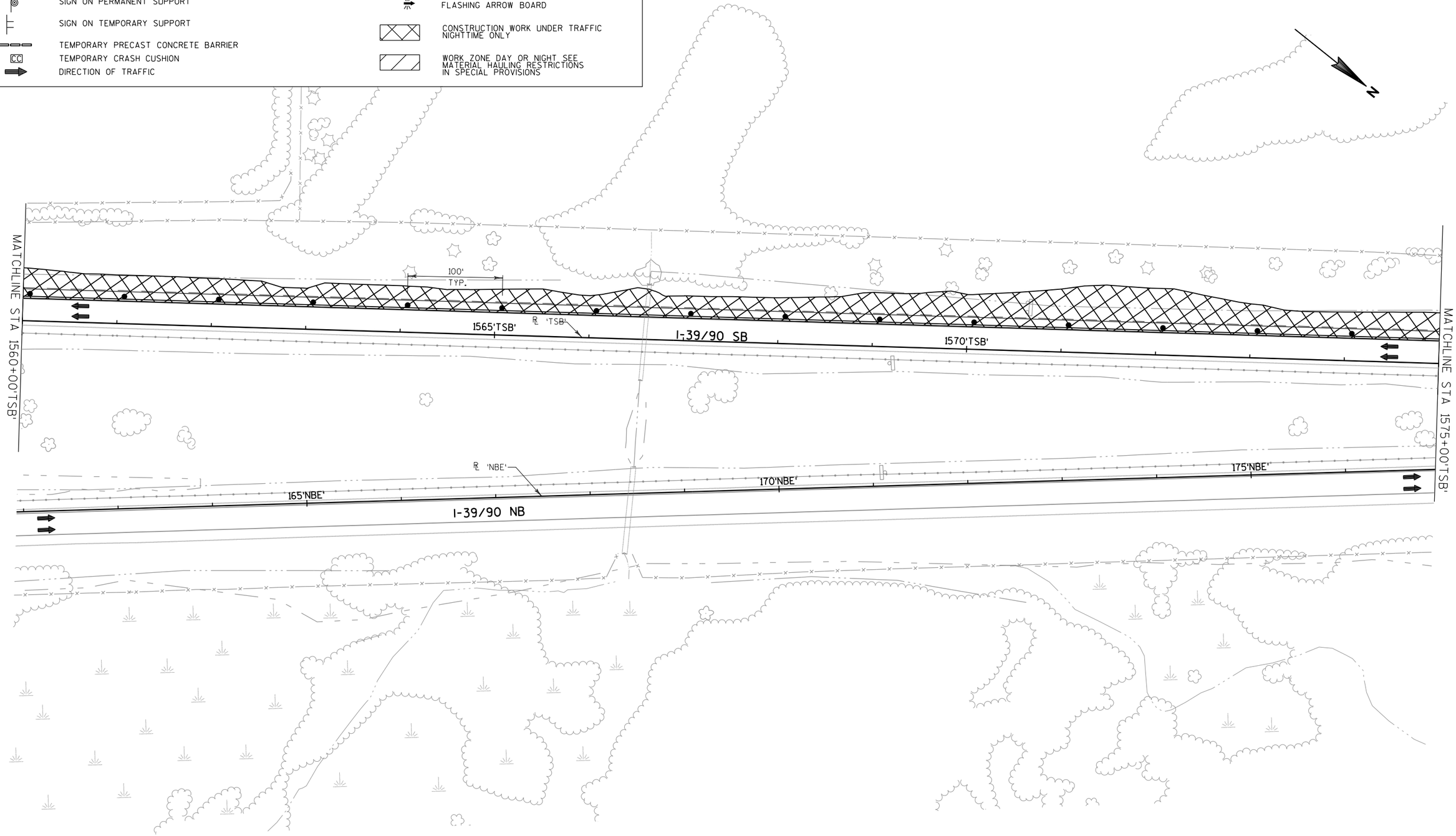
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026106_tc1.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 100	E

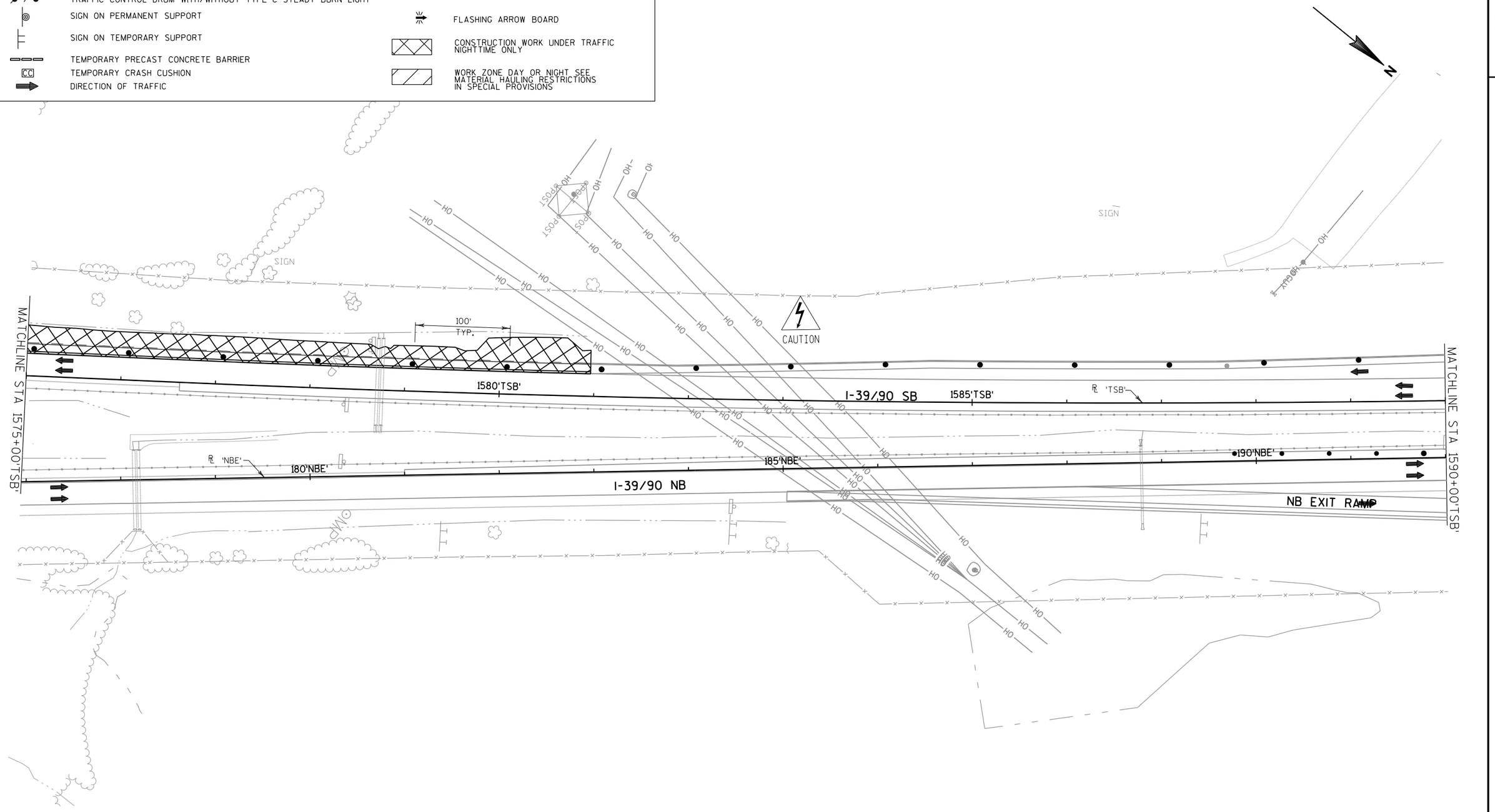
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026107_tc1.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS

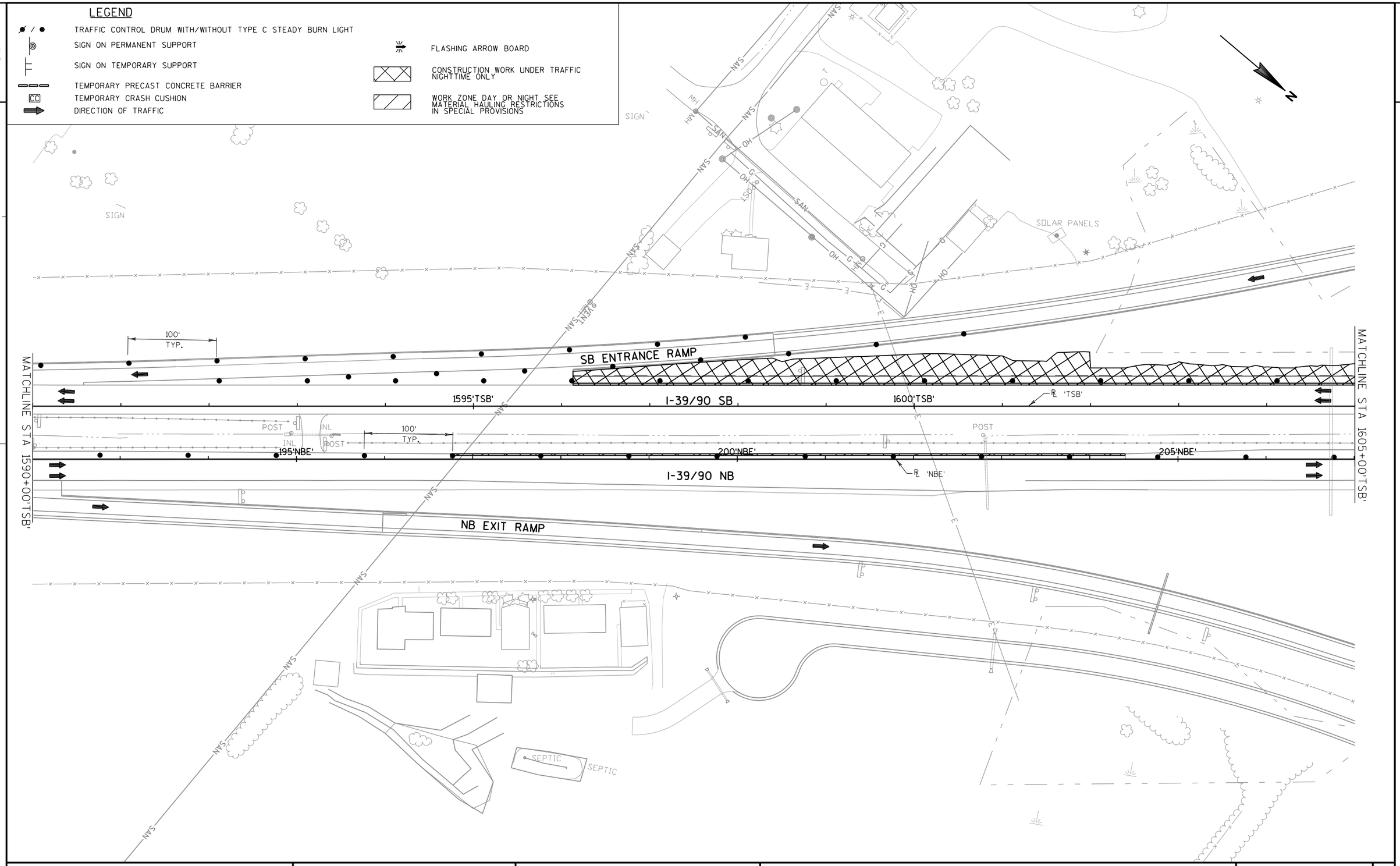


PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 101	E

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 102	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026109_tc1.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS

N

SB EXIT RAMP

SB ENTRANCE RAMP

ROAD WORK AHEAD W20-1F

USH 51

T

OHV

MATCHLINE STA 1605+00'TSB'

MATCHLINE STA 1620+00'TSB'

100' TYP.

1610'TSB'

I-39/90 SB

1615'TSB'

℄ 'TSB'

210'NBE'

215'NBE'

℄ 'NBE'

220'NBE'

I-39/90 NB

STH 73

NB ENTRANCE RAMP

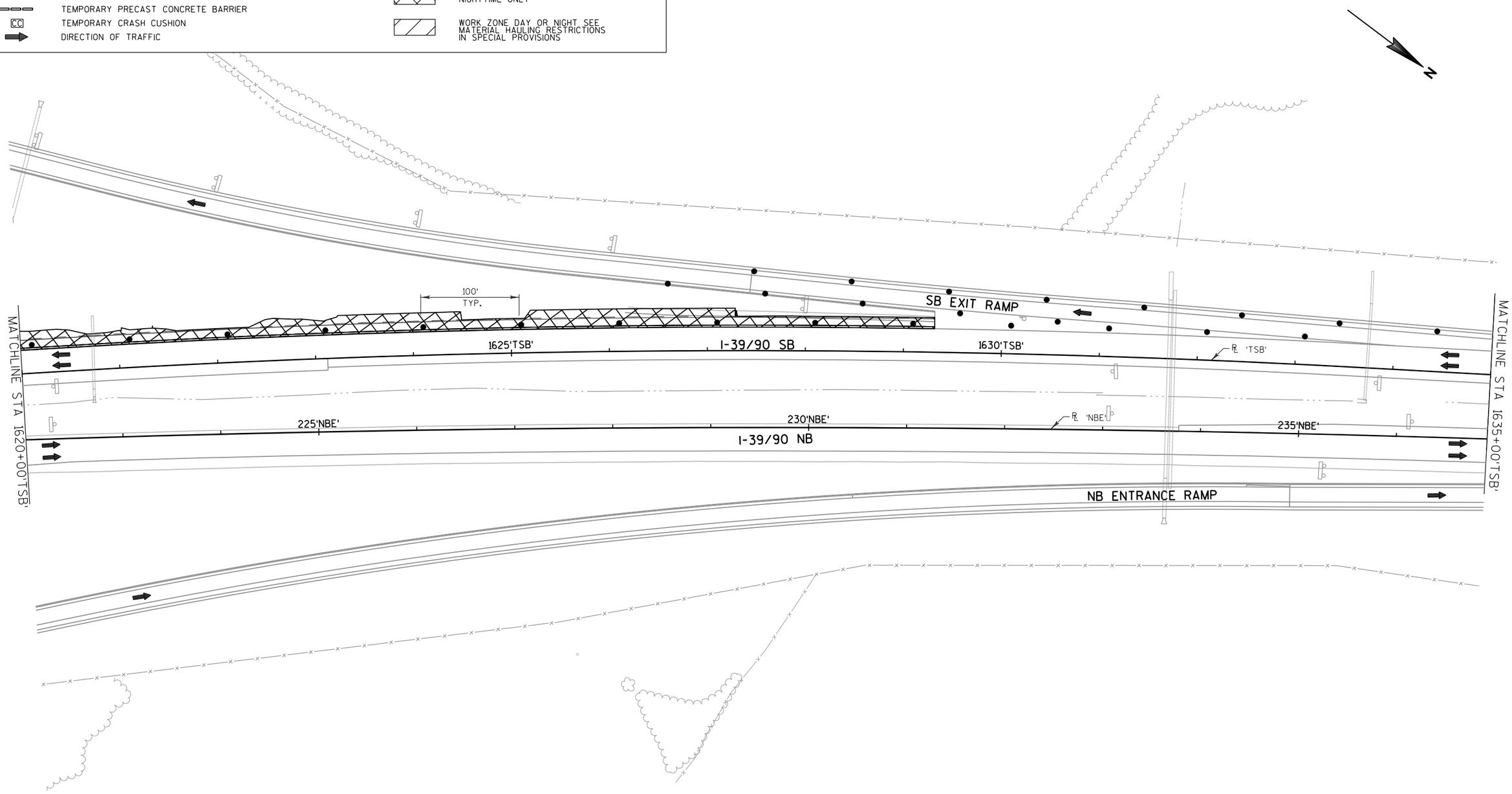
NB EXIT RAMP

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 103	E

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS

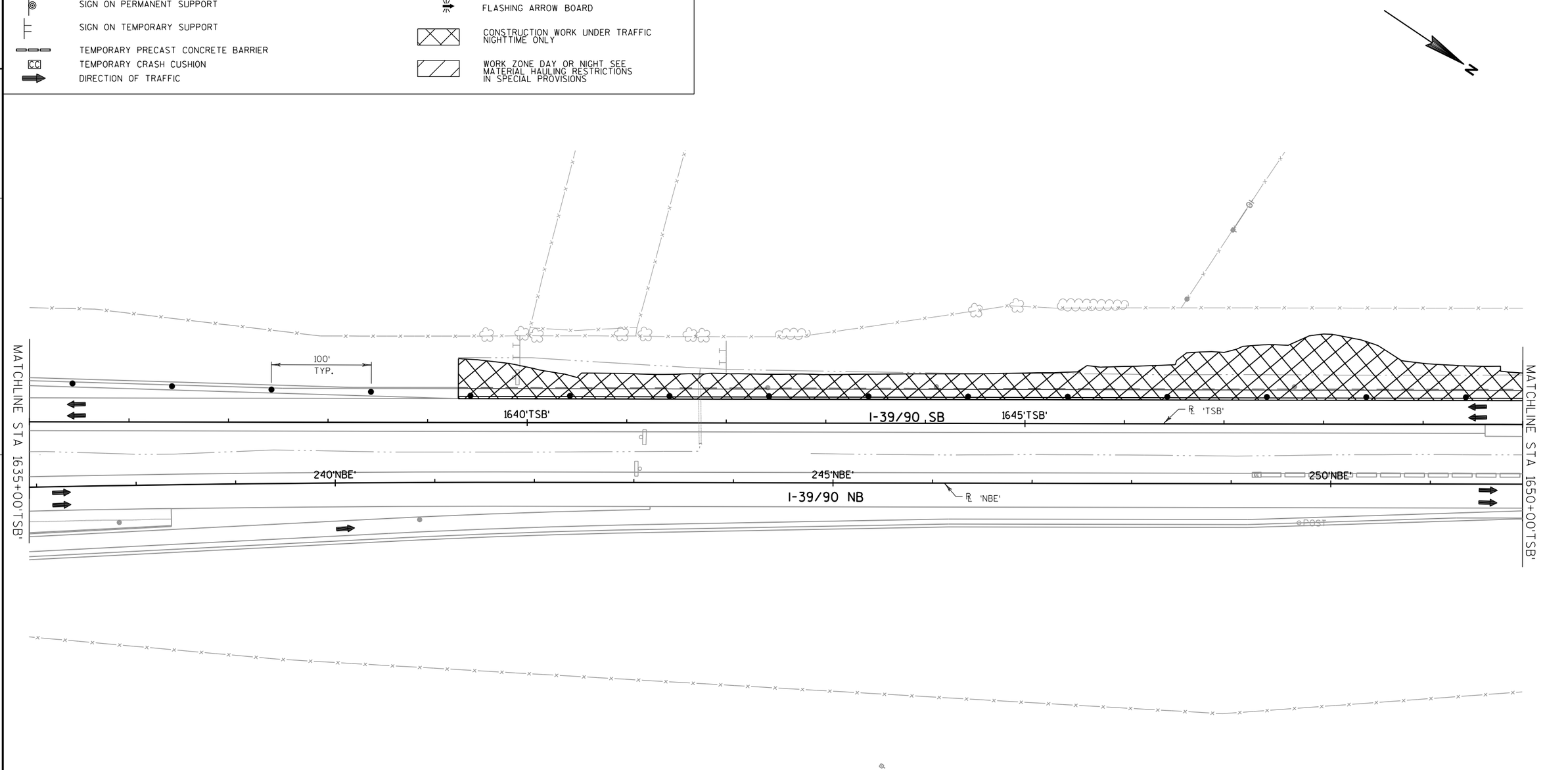


PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 104	E

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



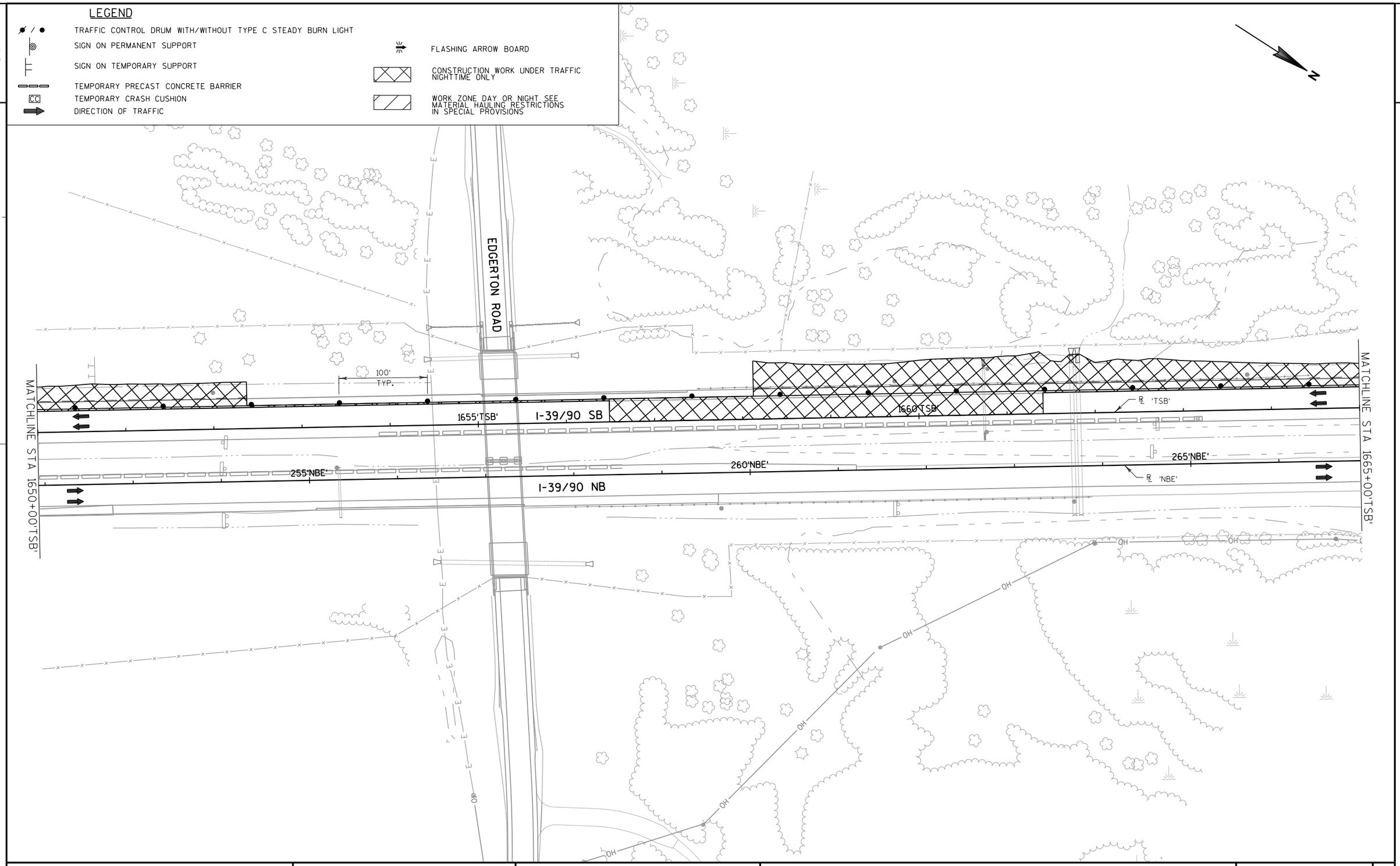
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 105	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026112_tc1.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- TEMPORARY CRASH CUSHION (CC)
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 106	E

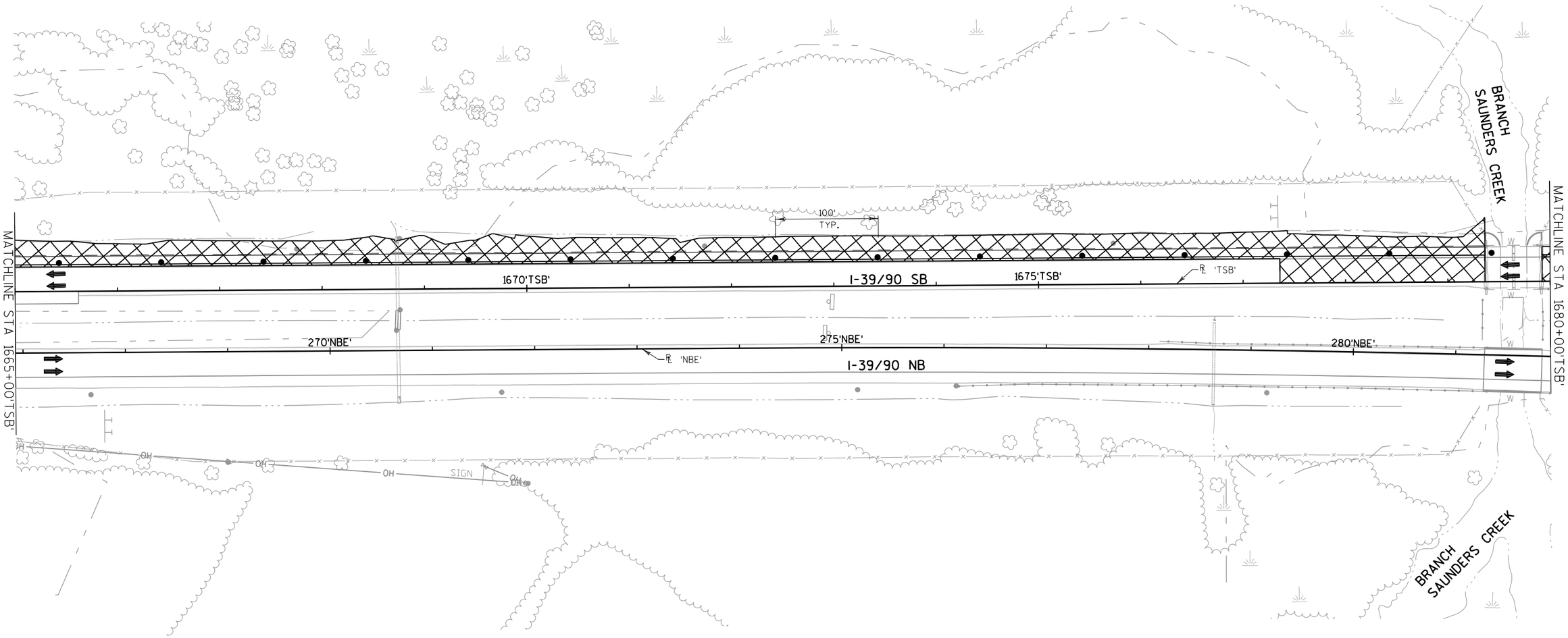
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026113_tc1.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 107	E

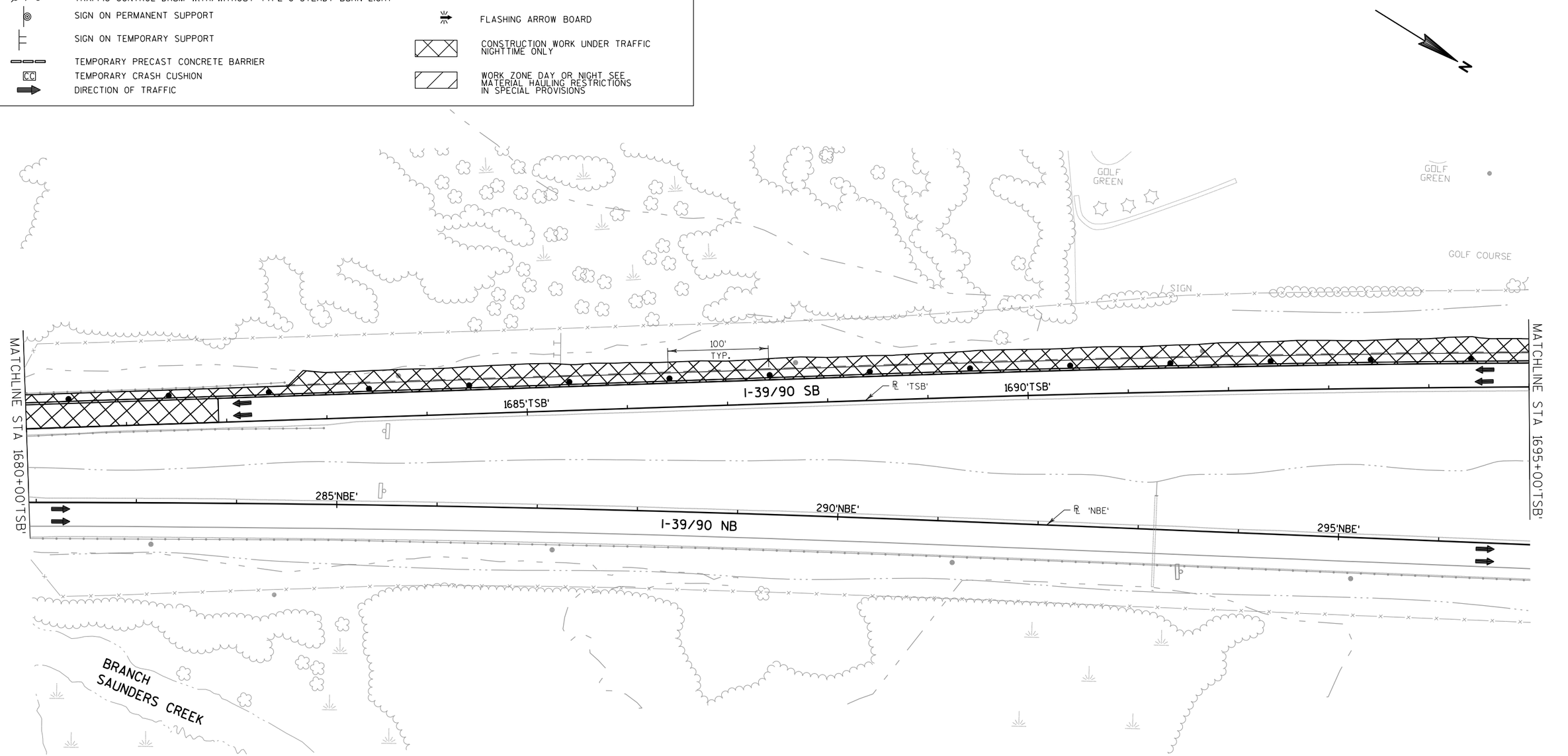
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026114_tc1.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



2

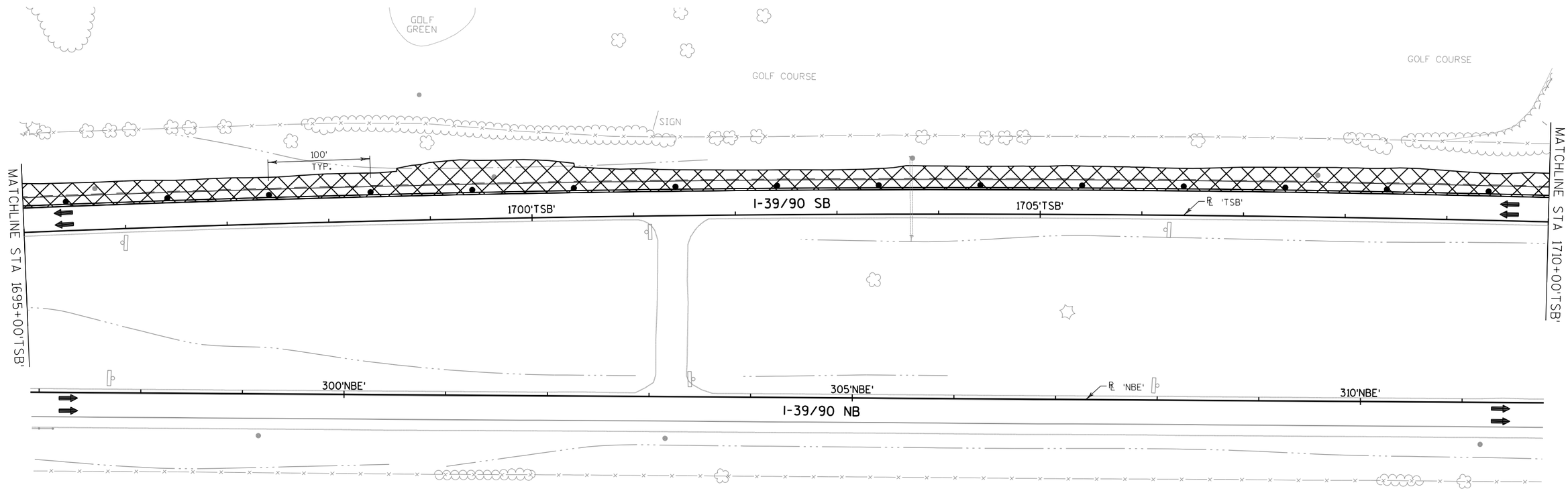
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 108	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026115_tc1.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 109	E

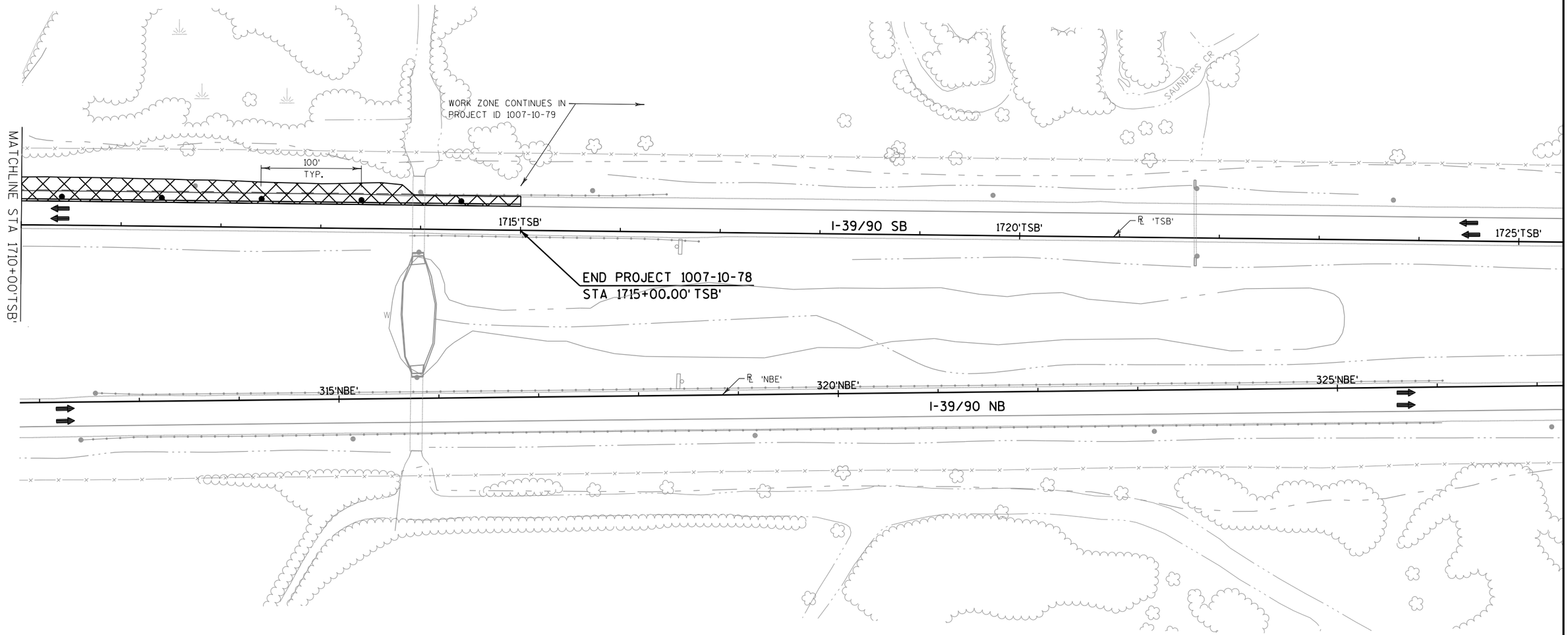
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026116_tc1.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



2

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 1	SHEET 110	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026117_tc1.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

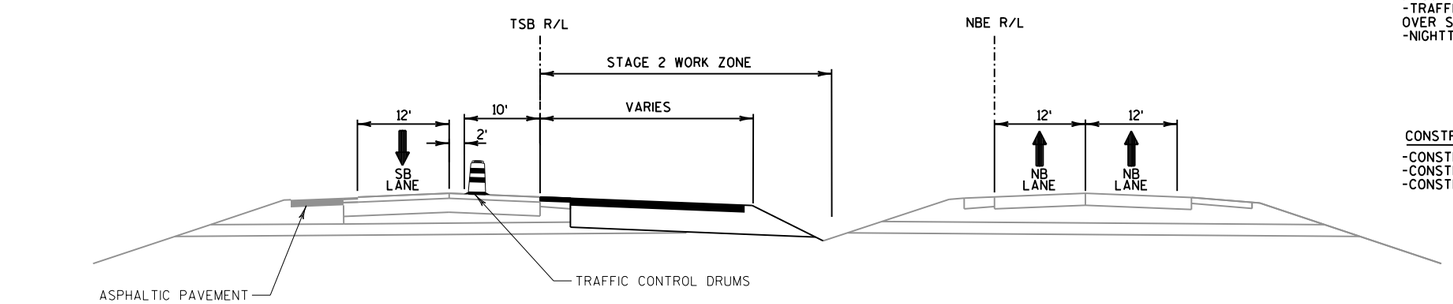
2

MAINTENANCE OF TRAFFIC

IH 39
-TRAFFIC SHALL BE MAINTAINED ON ALL EXISTING LANES WITH A LANE SHIFT OVER SAUNDERS CREEK.
-NIGHTTIME LANE AND SHOULDER CLOSURE SHALL BE USED FOR WIDENING.

CONSTRUCTION TO BE COMPLETED

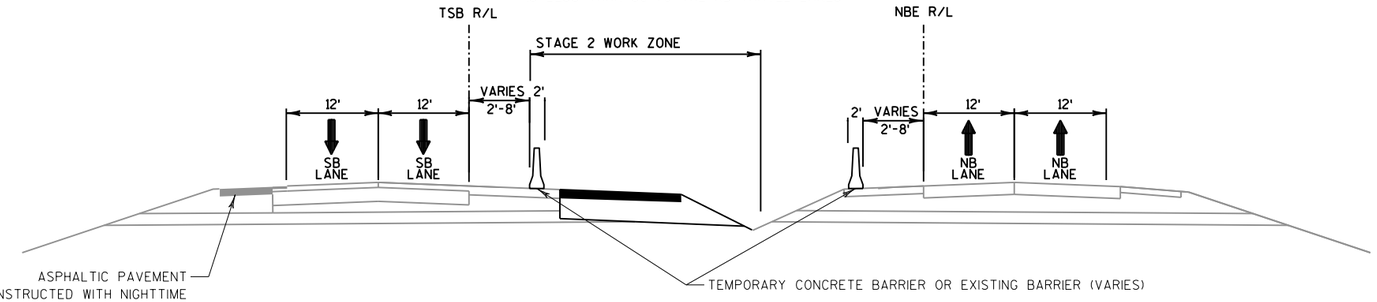
-CONSTRUCT MEDIAN SHOULDER AND WIDENING
-CONSTRUCT STRUCTURE B-13-208 WIDENING
-CONSTRUCT STRUCTURE C-13-3076 WIDENING



PROPOSED CONSTRUCTION TYPICAL SECTION

IH 39

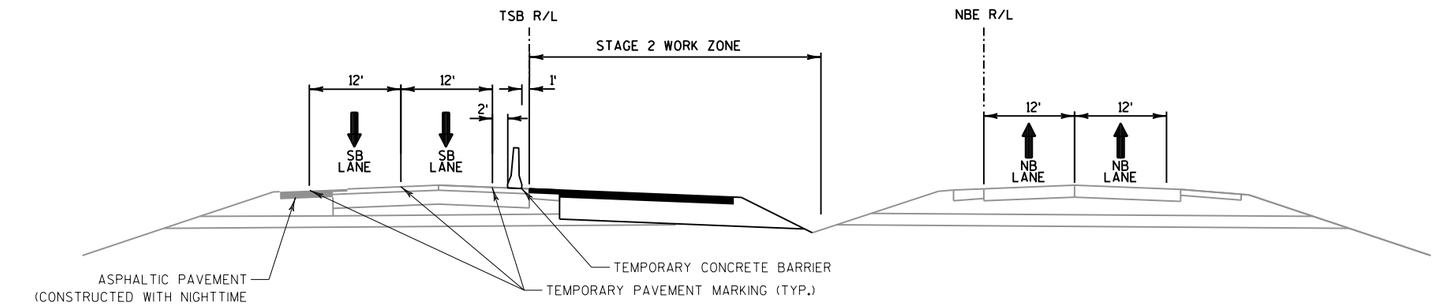
NIGHTTIME OPERATION
MEDIAN WORK
NOTE:
NB MEDIAN LANE SHALL BE CLOSED IF MEDIAN WORK ZONE IS LESS THAN 30' TO THE NB TRAVEL LANES



PROPOSED CONSTRUCTION TYPICAL SECTION

IH 39 UNDER USH 51/STH 73 & EDGERTON ROAD

DAYTIME OPERATION



PROPOSED CONSTRUCTION TYPICAL SECTION

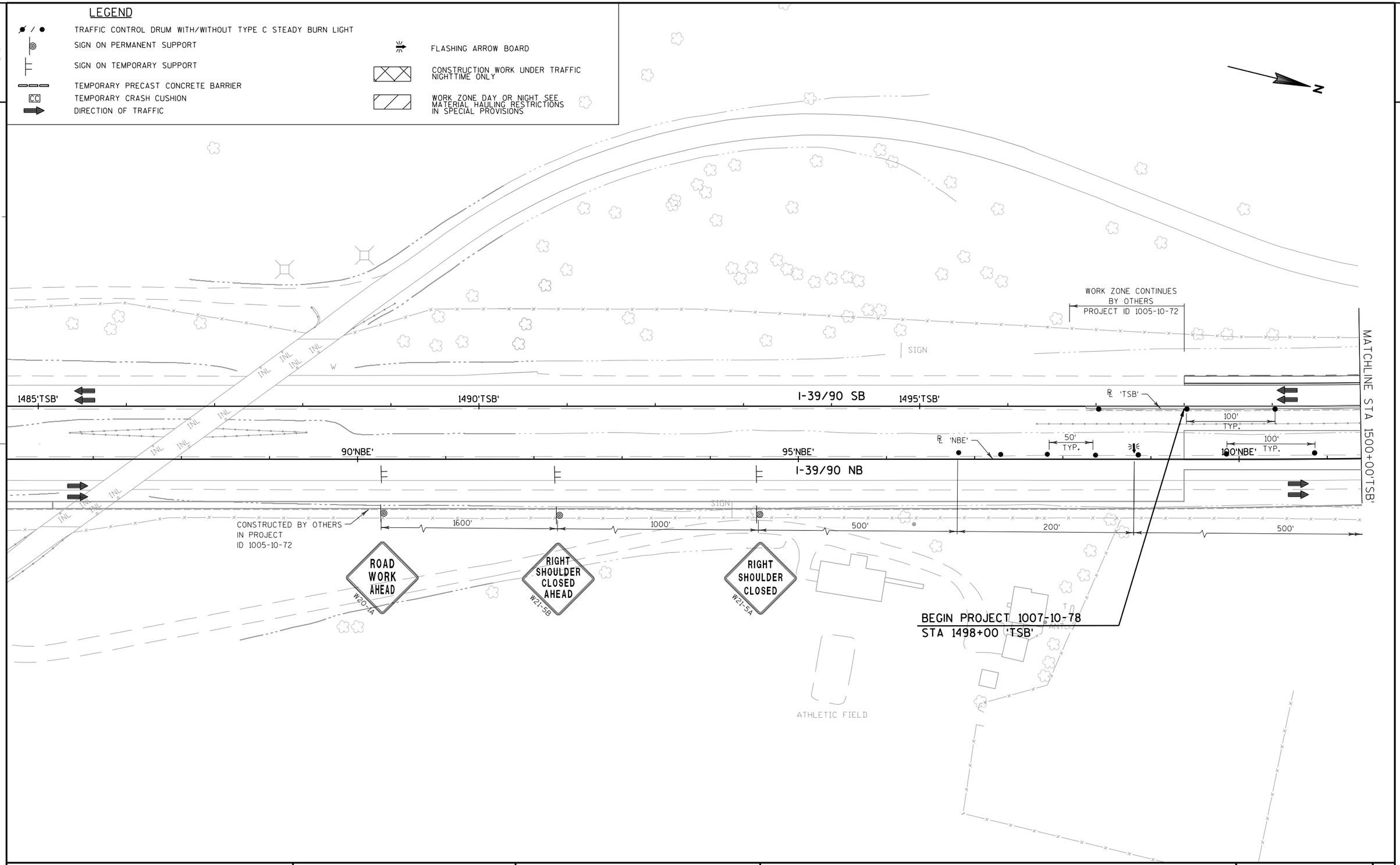
IH 39 OVER SAUNDERS CREEK

DAYTIME OPERATION
MEDIAN AND BRIDGE WORK

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 2	SHEET 112	E

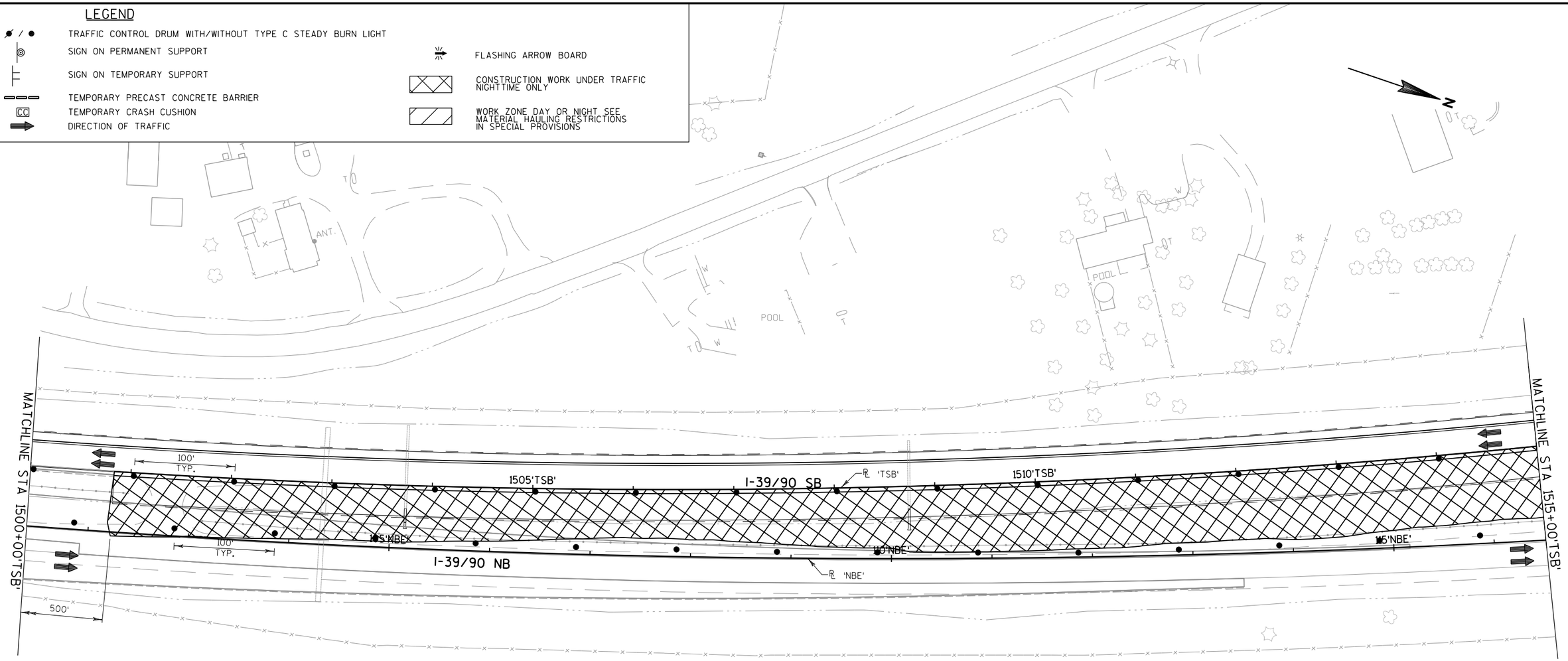
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026202_tc2.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

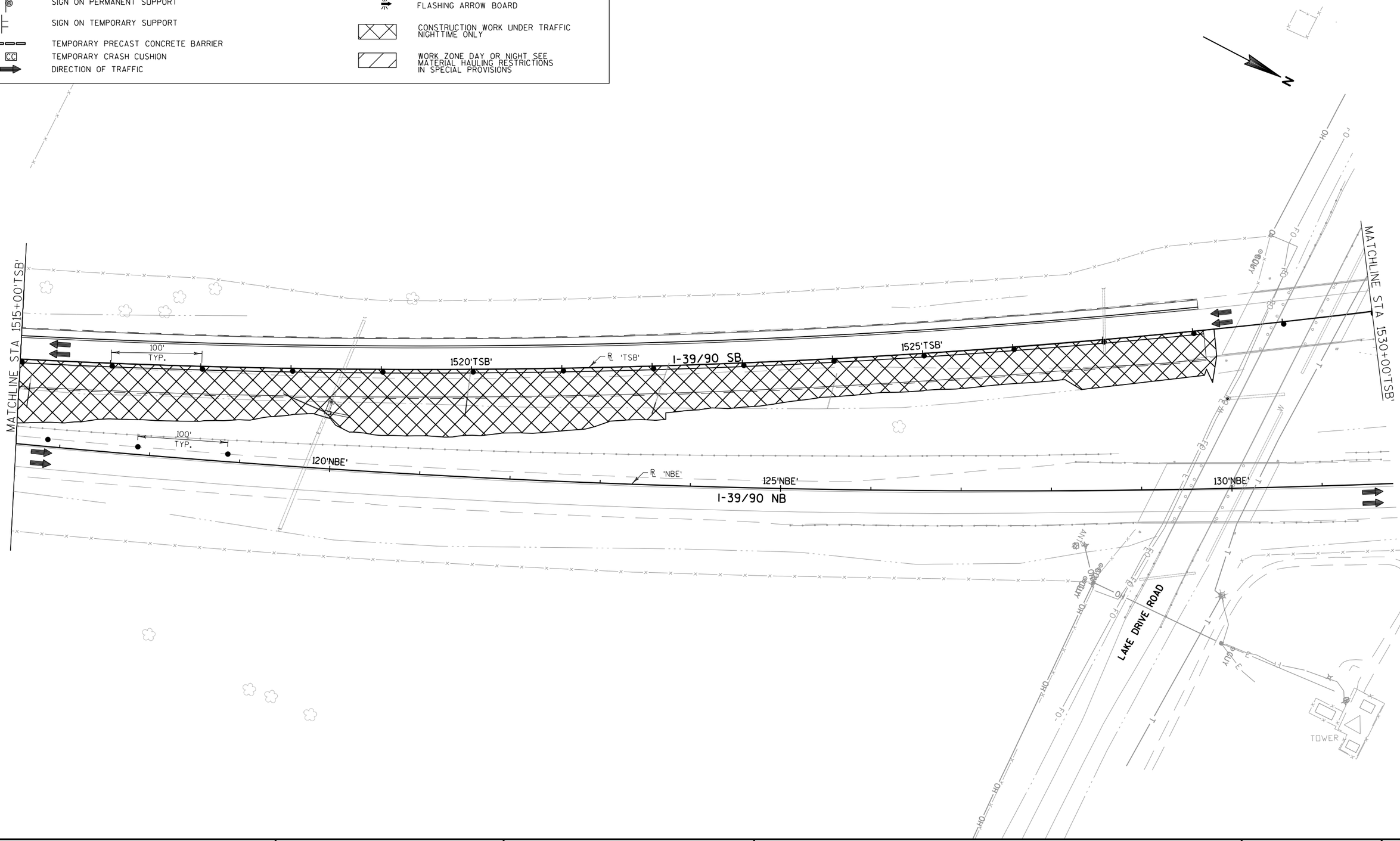
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS

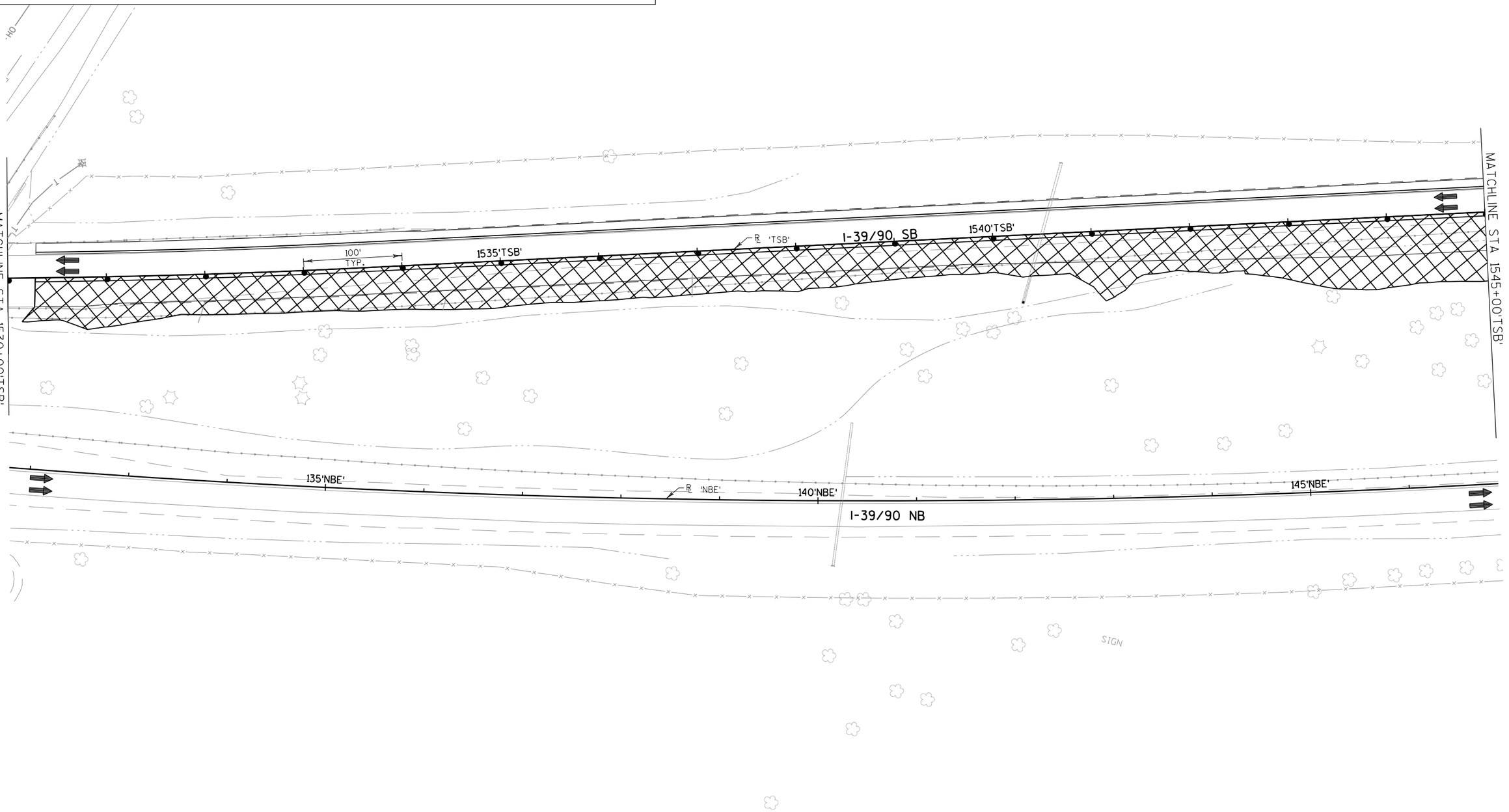


PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 2	SHEET 114	E

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 2	SHEET 115	E

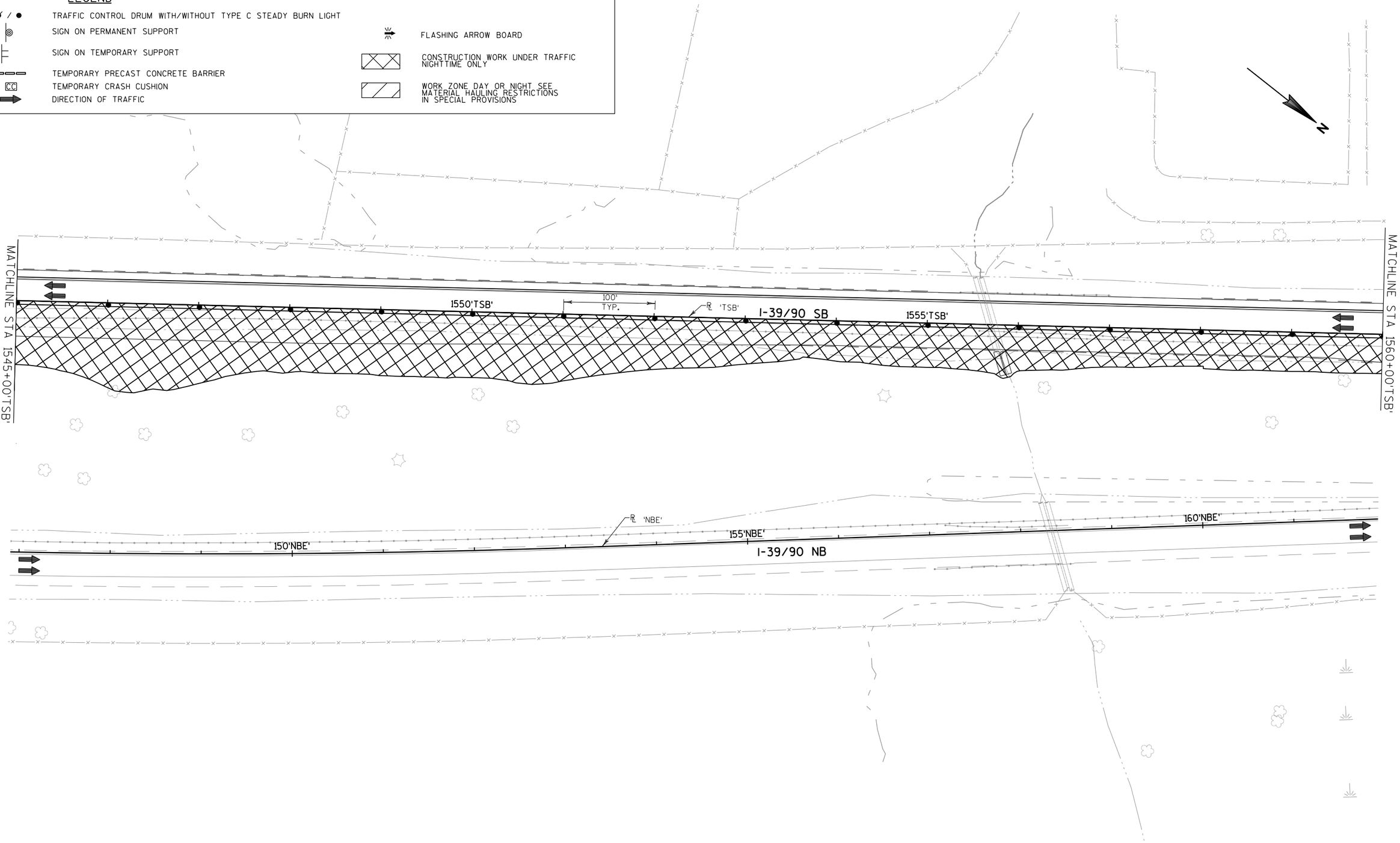
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026205_tc2.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS

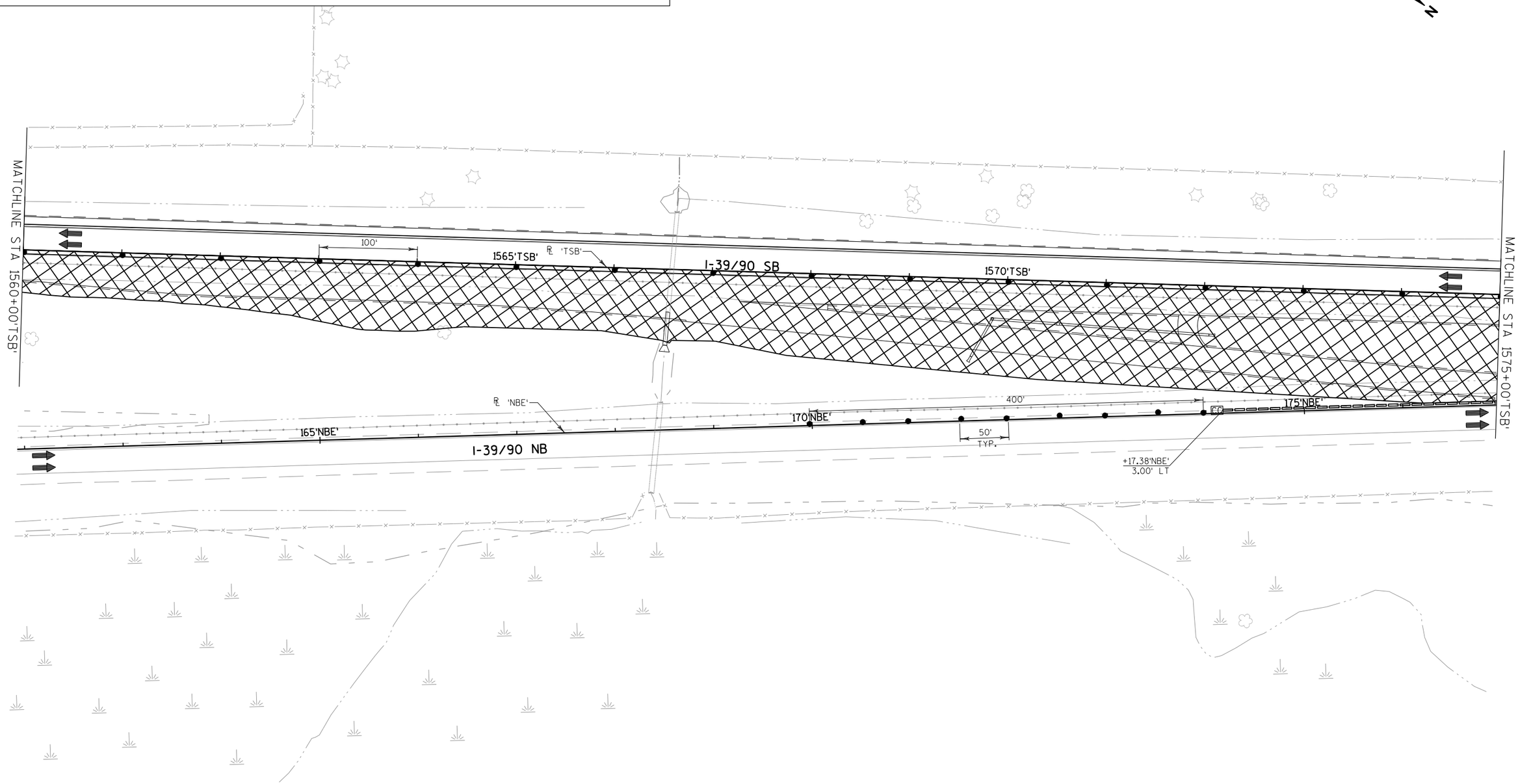


PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 2	SHEET 116	E

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 2	SHEET 117	E

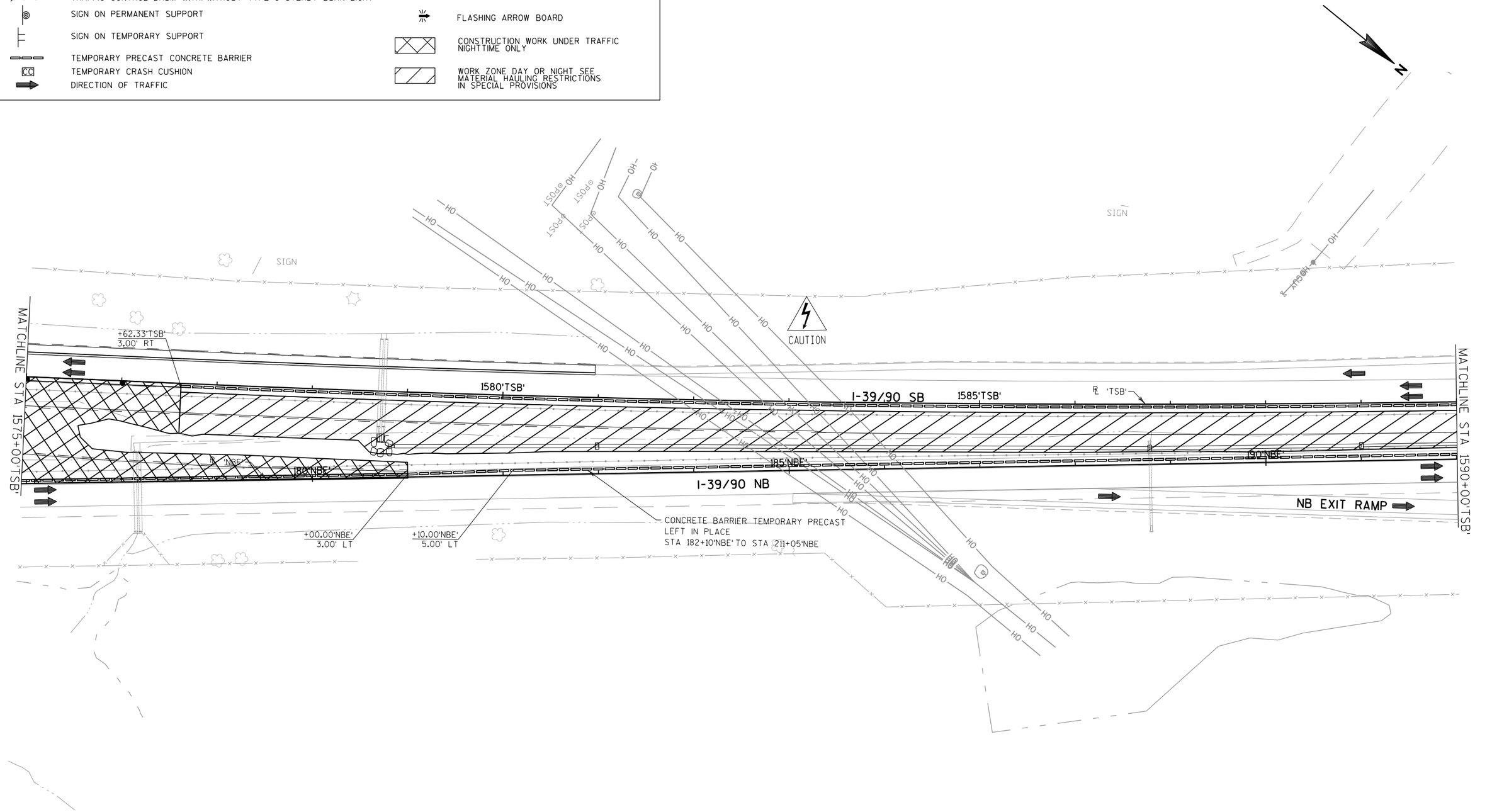
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026207_tc2.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



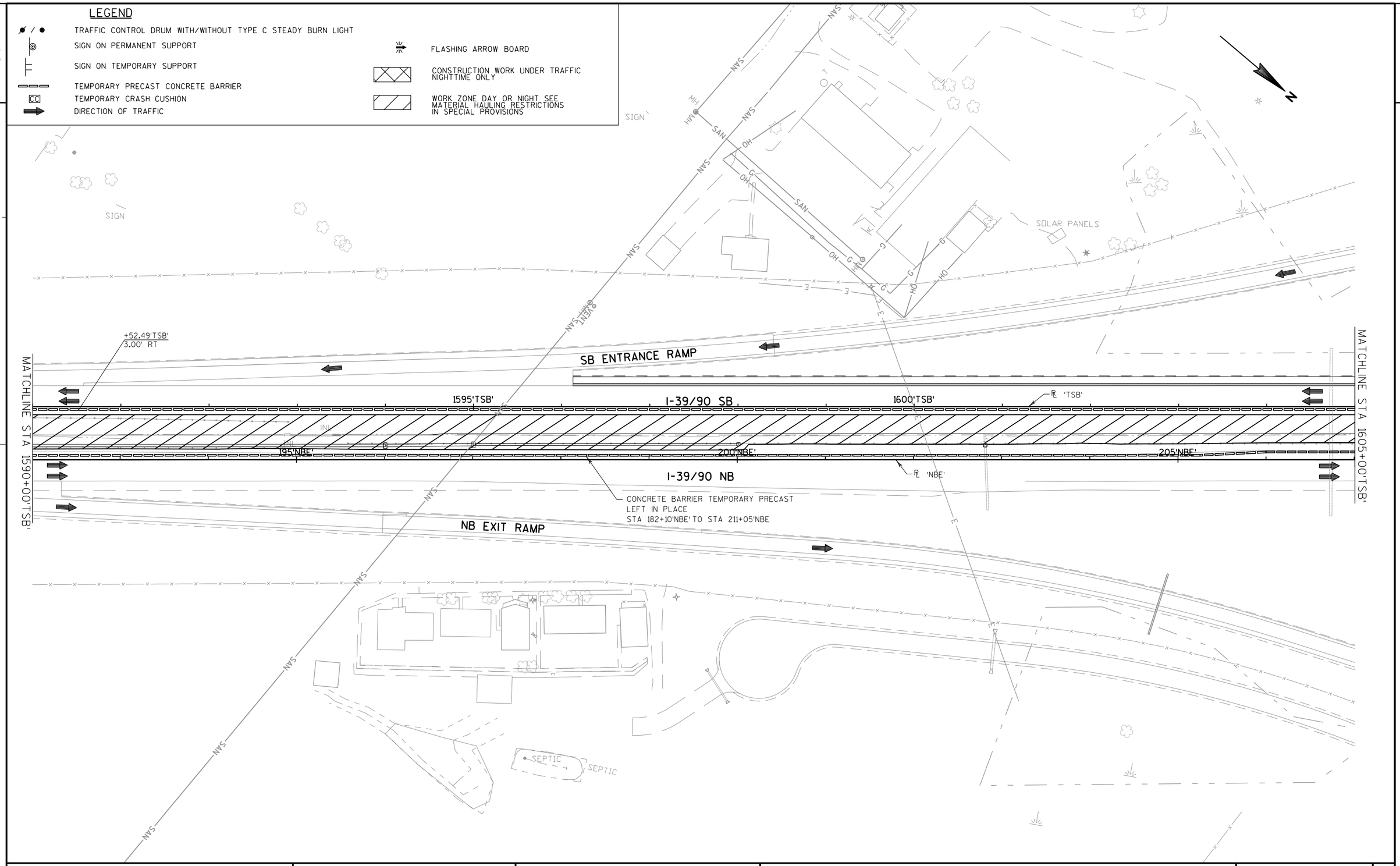
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 2	SHEET 118	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026208_tc2.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 2	SHEET 119	E

2

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS

N

SB EXIT RAMP

SB ENTRANCE RAMP

ROAD WORK AHEAD W20-1F

USH 51

T OHD

T OHD

T OHD

W05-52L 18" X 54"

+37.56'TSB' 3.00' RT

+64.83'TSB' 8.94' RT

1610'TSB'

I-39/90 SB

1615'TSB'

℄ 'TSB'

SALVAGE EXISTING CRASH CUSHION

100' TYP.

MATCHLINE STA 1605+00'TSB'

MATCHLINE STA 1620+00'TSB'

210'NBE'

215'NBE'

℄ 'NBE'

220'NBE'

I-39/90 NB

+05.00'NBE' 8.94' LT

SALVAGE EXISTING CRASH CUSHION

CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE STA 182+10'NBE' TO STA 211+05'NBE

STH 73

ROAD WORK AHEAD W20-1F

NB ENTRANCE RAMP

NB EXIT RAMP

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 2	SHEET 120	E

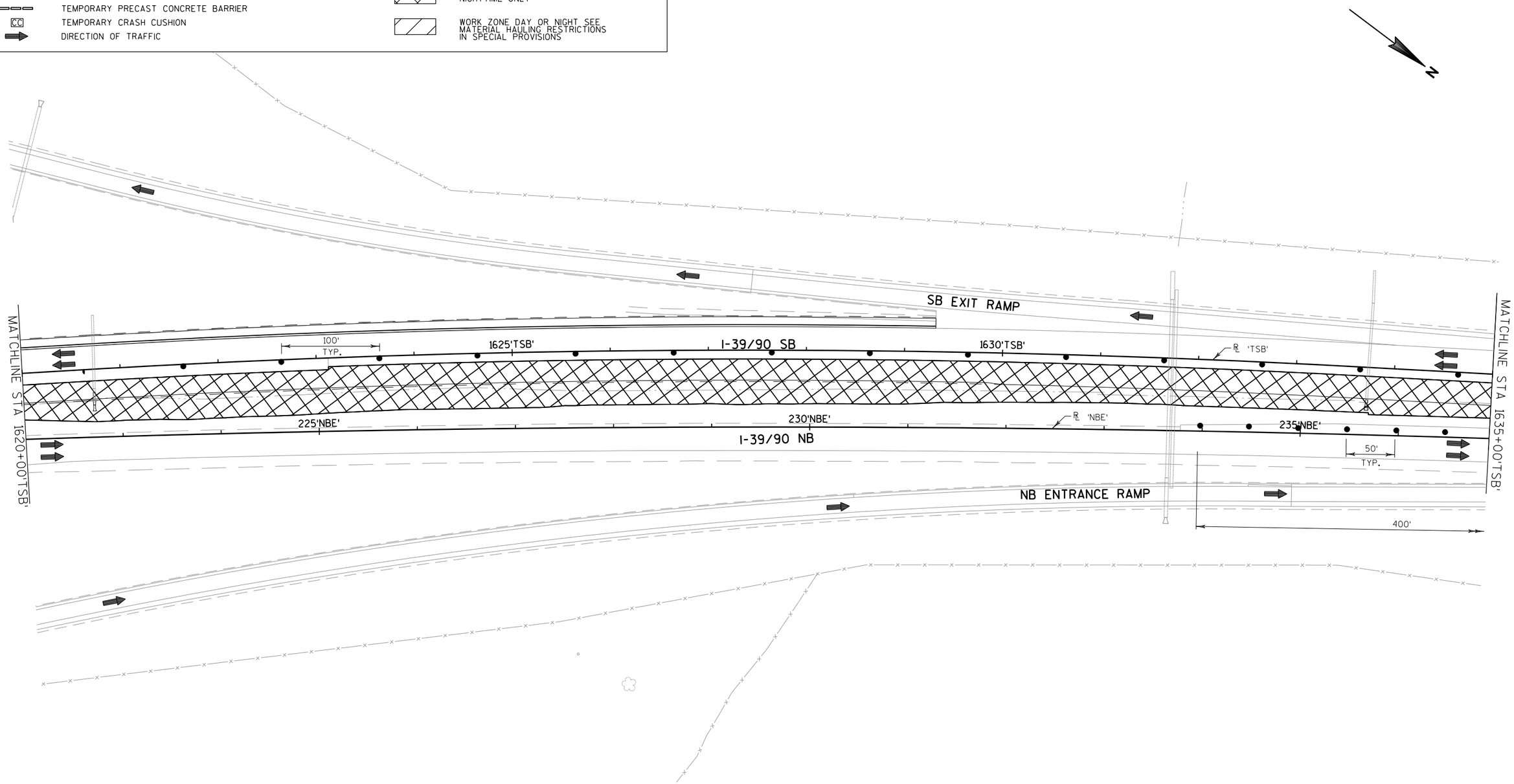
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026210_tc2.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS

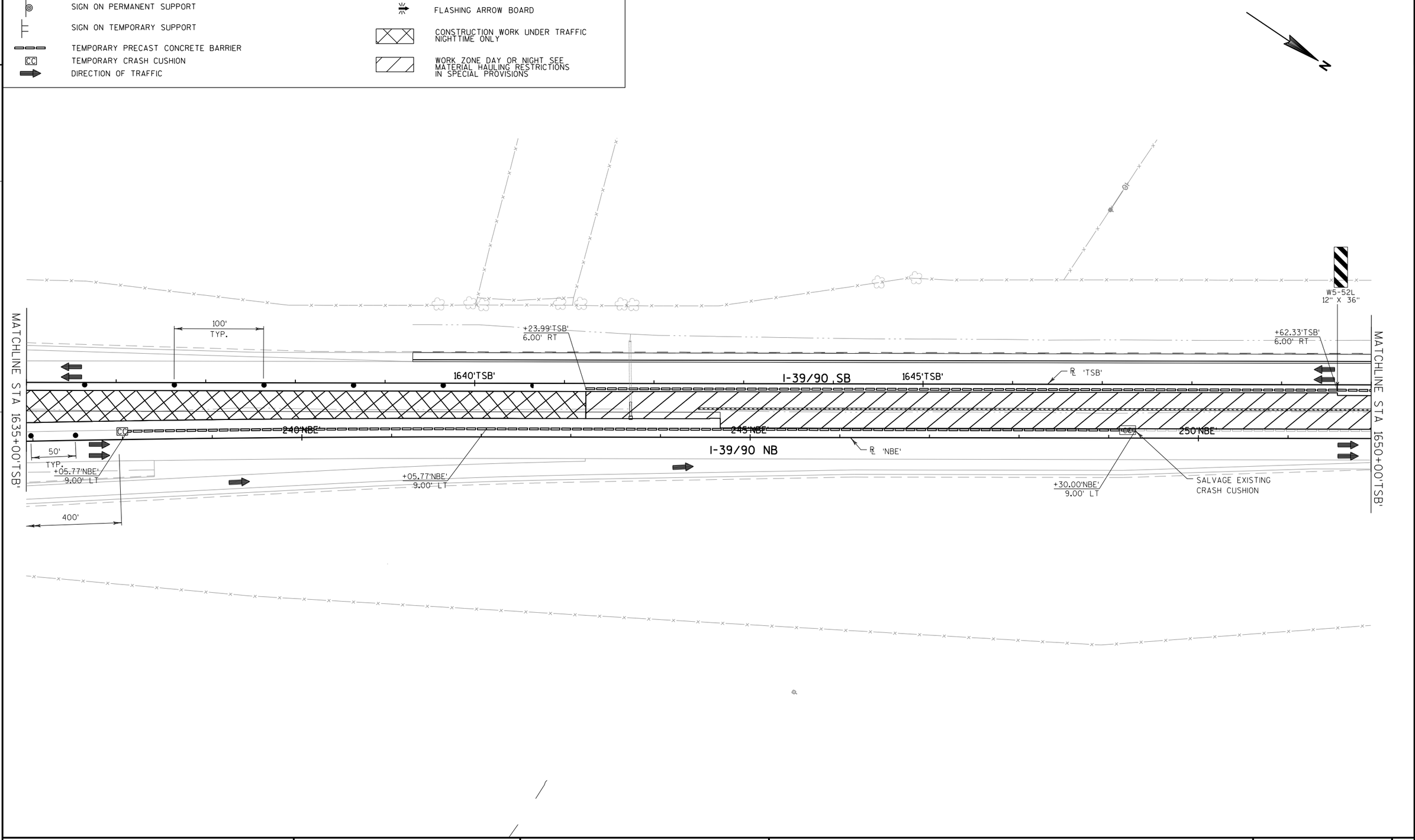


PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 2	SHEET 121	E

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



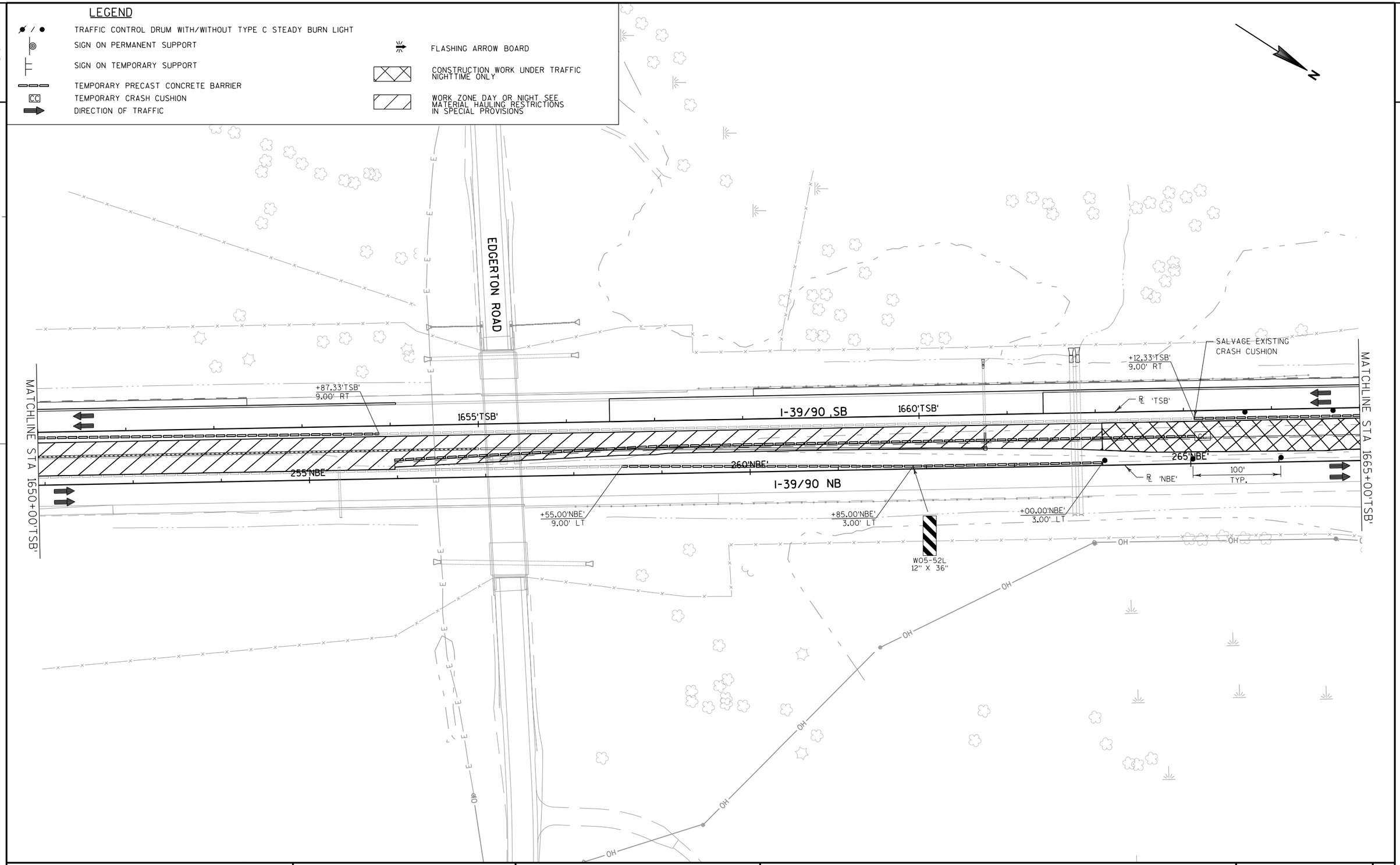
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 2	SHEET 122	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026212_tc2.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 2	SHEET 123	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026213_tc2.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

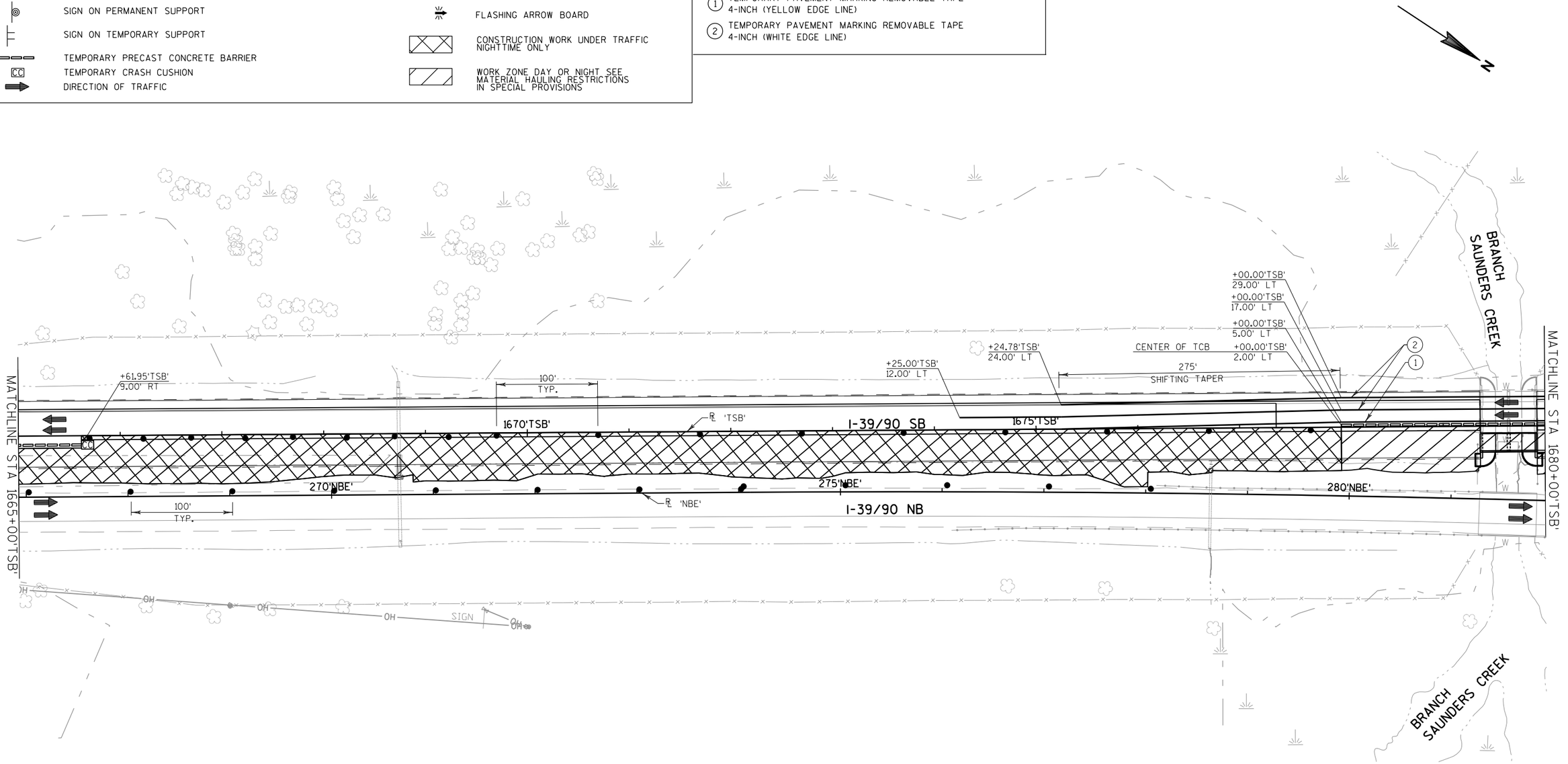
2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS

PAVEMENT MARKING LEGEND

1. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW EDGE LINE)
2. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE EDGE LINE)



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 2	SHEET 124	E

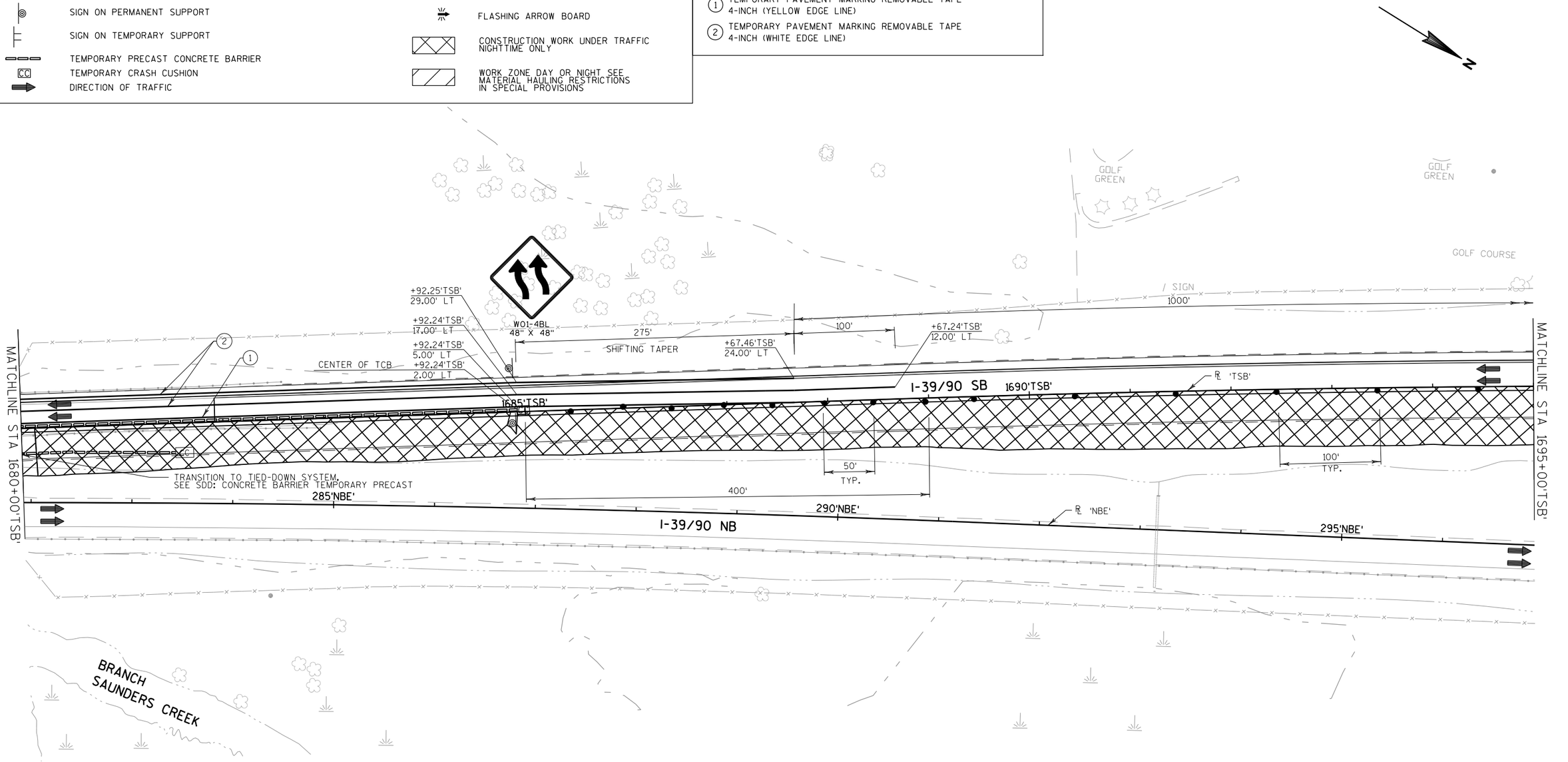
2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS

PAVEMENT MARKING LEGEND

1. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW EDGE LINE)
2. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (WHITE EDGE LINE)

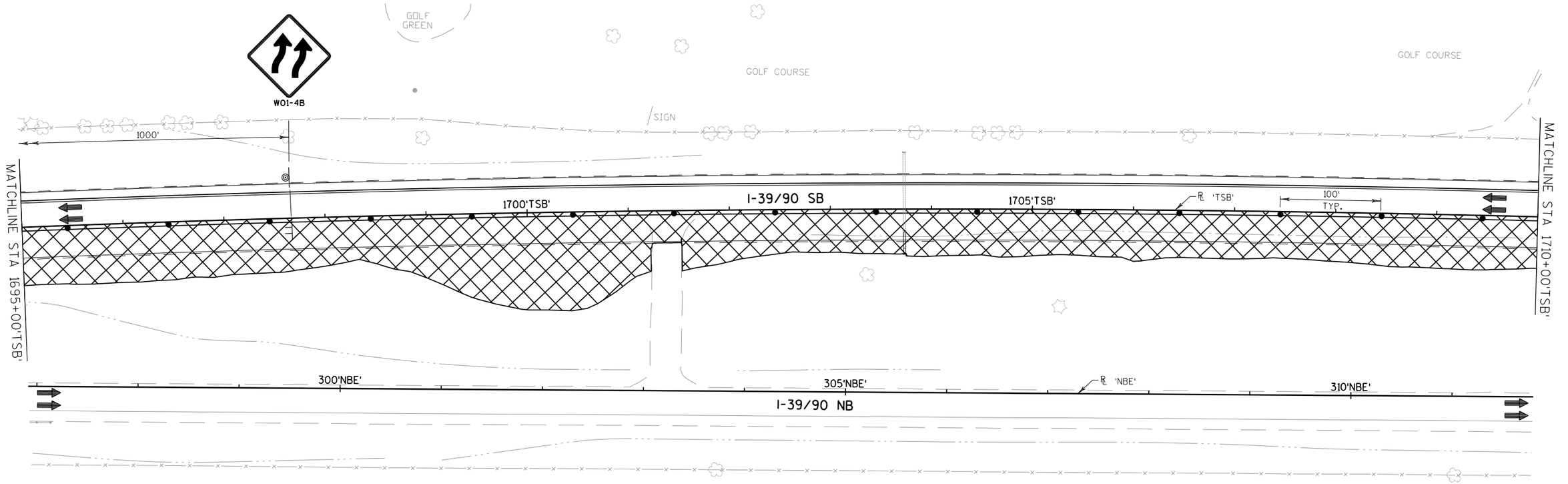


PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 2	SHEET 125	E

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



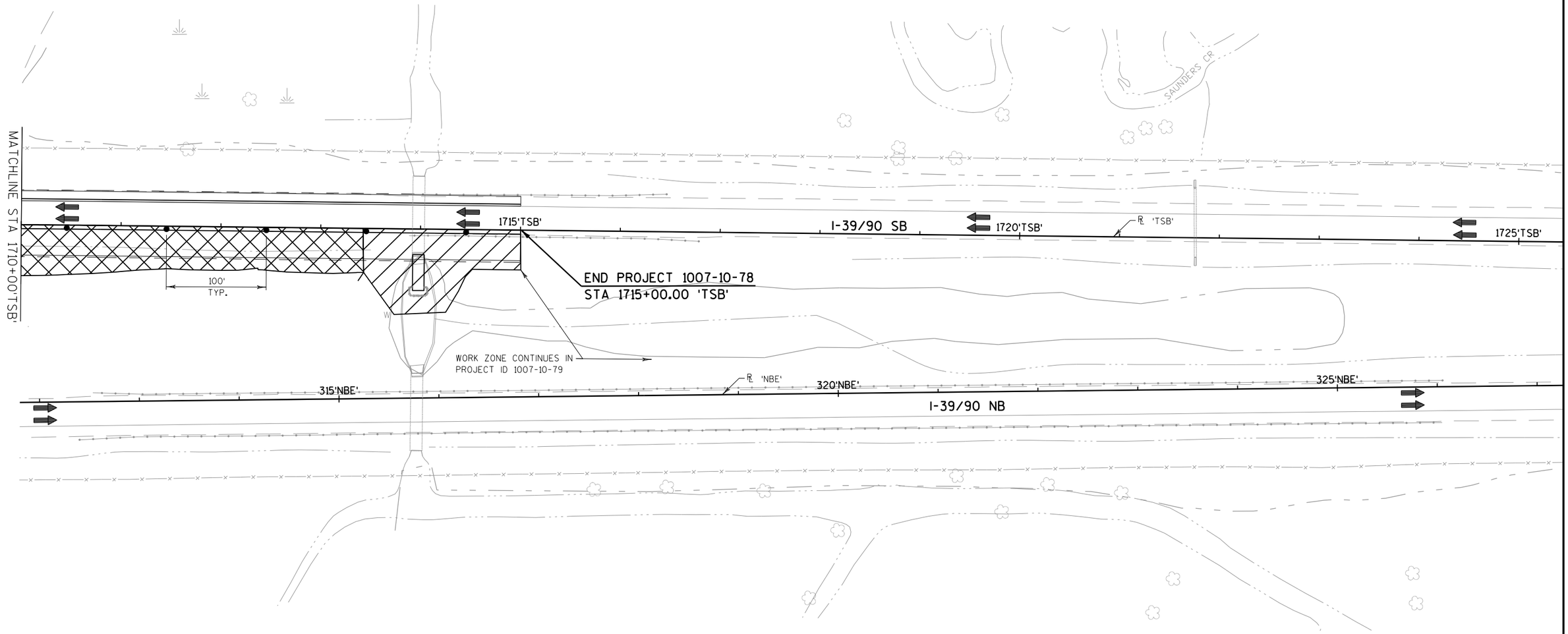
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 2	SHEET 126	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\026216_tc2.dgn PLOT DATE : 7/27/2015 PLOT BY : jpo PLOT NAME : $FILE$ PLOT SCALE : 1:100

2

LEGEND

- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PRECAST CONCRETE BARRIER
- CC TEMPORARY CRASH CUSHION
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- CONSTRUCTION WORK UNDER TRAFFIC NIGHTTIME ONLY
- WORK ZONE DAY OR NIGHT SEE MATERIAL HAULING RESTRICTIONS IN SPECIAL PROVISIONS



2

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	TRAFFIC CONTROL STAGE 2	SHEET 127	E

2

2

CURVE TSB3

PI STA = 1516+46.31'TSB'
Y = 401874.15
X = 915207.19
DELTA = 23°08'30"
D = 0°40'00"
T = 1759.61
L = 3471.25
R = 8594.37
PC STA = 1498+86.70'TSB'
PT STA = 1533+57.95'TSB'
SE = RC

CURVE NBE1

PI STA = 127+08.39'NBE'
Y = 402786.34
X = 915045.84
DELTA = 26°35'45"
D = 0°30'00"
T = 2708.39
L = 5319.17
R = 11459.16
PC STA = 100+00.00'NBE'
PT STA = 153+19.17'NBE'
SE = 2.20%

Y = 402920.28
X = 912628.24

POT 38+48.24'L'
Y = 402909.95
X = 913457.62

Y = 400288.94
X = 915317.17

PC: 100+00.00'NBE'
PC: 1498+86.70'TSB'

1480'TSB'
N13° 44' 40.00"W
1490'TSB'
90'NBE'
N13° 44' 40.00"W
100'NBE'
1500'TSB'
110'NBE'
1510'TSB'
120'NBE'
1520'TSB'
CURVE NBE1
1530'TSB'
130'NBE'
1540'TSB'
N36° 53' 10.00"W
140'NBE'
150'NBE'

'TSB' ℞
CURVE TSB3
'L' ℞
'NBE' ℞

40'L'
45'L'
LAKE DRIVE ROAD
50'L'
55'L'
N89° 21' 09.23"E
60'L'

PT: 1533+57.95'TSB'
PI: 1516+46.31'TSB'

MATCHLINE STA 150+00.00'TSB'

STA 1529+15.13'TSB'=
STA 47+98.28'L'
Y= 402920.69
X= 914407.60

STA 1528+44.05'NB'=
STA 50+00.00'L'
Y= 402922.97
X= 914609.31

BEGIN PROJECT: 1007-10-78
STA 1498+00.00'TSB'
Y = 400,080.71
X = 915,645.85

DANE COUNTY
ROCK COUNTY

Y = 400291.74
X = 917965.38

Y = 402939.41
X = 915287.22

POT 62+98.24'L'
Y = 402937.64
X = 915907.47

Y = 405575.28
X = 915259.84

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAILS	SHEET	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\027201_AD.DWG
PLOT DATE : 8/27/2015
PLOT BY : JEFF OTTO
PLOT NAME : 027201_AD
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2

CURVE TSB4

PI STA = 1583+61.87'TSB'
Y = 407283.83
X = 911147.54
DELTA = 3°27'15"
D = 0°15'00"
T = 691.04
L = 1381.67
R = 22918.31
PC STA = 1576+70.83'TSB'
PT STA = 1590+52.49'TSB'
SE = NC

CURVE TSB5

PI STA = 1627+16.36'TSB'
Y = 410603.20
X = 908328.49
DELTA = 6°28'00"
D = 0°30'00"
T = 647.35
L = 1293.33
R = 11459.16
PC STA = 1620+69.01'TSB'
PT STA = 1633+62.34'TSB'
SE = NC

CURVE NBE2

PI STA = 229+13.81'NBE'
Y = 410639.45
X = 908376.42
DELTA = 6°28'00"
D = 0°15'00"
T = 1294.71
L = 2586.67
R = 22918.31
PC STA = 216+19.10'NBE'
PT STA = 242+05.77'NBE'
SE = NC

Y = 405539.59
X = 909958.49

POT 18+00.00'T'
Y = 406597.62
X = 908646.12

20'T'

N0° 12' 41.00"E

30'T'

Y = 408194.51
X = 907335.94

PC: 37+11.50'T'

'T' ℞

PI: 40+99.31'T'

40'T'

'TD' ℞
FOR DETAILS SEE PLANS
PROJECT ID: 1007-10-72
(BY OTHERS)

PT: 44+46.02'T'

STA 1612+64.14'TSB'=
STA 49+15.79'T'
Y = 409496.293
X = 909268.554

'TC' ℞
FOR DETAILS SEE PLANS
PROJECT ID: 1007-10-72
(BY OTHERS)

MATCHLINE STA 1550+00.00'TSB'

PT: 153+19.17'NBE'

1560'TSB'

1570'TSB'

N36° 53' 10.00"W

PC: 1576+70.83'TSB'

1580'TSB'

'TSB' ℞

CURVE TSB4

PT: 1590+52.49'TSB'

1590'TSB'

Y = 408184.58
X = 909981.44

600'TC'

610'TC'

1600'TSB'

N40° 20' 25.00"W

1610'TSB'

620'TD'

PC: 1620+69.01'TSB'

1620'TSB'

160'NBE'

170'NBE'

180'NBE'

'NBE' ℞

190'NBE'

200'NBE'

N40° 20' 25.00"W

210'NBE'

220'NBE'

CURVE TSB5

CURVE NBE2

620'TA'

MATCHLINE STA 1624+00.00'TSB'

PI: 1583+61.87'TSB'

Y = 405557.19
X = 912609.21

600'TB'

610'TB'

N45° 39' 35.00"E

50'T'

PC: 216+19.10'NBE'

PC: 54+98.46'T'

'TB' ℞
FOR DETAILS SEE PLANS
PROJECT ID: 1007-10-72
(BY OTHERS)

'TA' ℞
FOR DETAILS SEE PLANS
PROJECT ID: 1007-10-72
(BY OTHERS)

60'T'

PI: 60+99.39'T'

PT: 66+24.77'T'

N3° 47' 25.96"W

70'T'

PC: 70

Y = 410824.05
X = 910004.95

Y = 408203.50
X = 912650.71

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAILS	SHEET	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\027201_AD.DWG PLOT DATE : 8/27/2015 PLOT BY : JEFF OTTO PLOT NAME : 027202_AD PLOT SCALE : 1 IN:500 FT

2

2

CURVE TSB5

PI STA = 1627+16.36'TSB'
Y = 410603.20
X = 908328.49
DELTA = 6°28'00"
D = 0°30'00"
T = 647.35
L = 1293.33
R = 11459.16
PC STA = 1620+69.01'TSB'
PT STA = 1633+62.34'TSB'
SE = NC

CURVE TSB6

PI STA = 1699+73.65'TSB'
Y = 416629.85
X = 904282.78
DELTA = 5°32'00"
D = 0°15'00"
T = 1107.53
L = 2213.33
R = 22918.32
PC STA = 1688+66.13'TSB'
PT STA = 1710+79.46'TSB'
SE = NC

CURVE NBE2

PI STA = 229+13.81'NBE'
Y = 410639.45
X = 908376.42
DELTA = 6°28'00"
D = 0°15'00"
T = 1294.71
L = 2586.67
R = 22918.31
PC STA = 216+19.10'NBE'
PT STA = 242+05.77'NBE'
SE = NC

CURVE NBE3

PI STA = 282+63.08'NBE'
Y = 415083.07
X = 905393.40
DELTA = 4°15'20"
D = 0°15'00"
T = 851.48
L = 1702.18
R = 22918.31
PC STA = 274+11.60'NBE'
PT STA = 291+13.78'NBE'
SE = NC

Y = 410832.92
X = 907358.63

'TD' ℞
FOR DETAILS SEE PLANS
PROJECT ID: 1007-10-72
(BY OTHERS)

PI: 1627+16.36'TSB'
PT: 1633+62.34'TSB'
CURVE TSB5
630'TD'
1630'TSB'
1640'TSB'
1650'TSB'
1660'TSB'
1670'TSB'
1680'TSB'
1690'TSB'
CURVE TSB6
MATCHLINE 1624+00.00'TSB'
MATCHLINE 1698+00.00'TSB'

230'NBE'
240'NBE'
250'NBE'
260'NBE'
270'NBE'
280'NBE'
290'NBE'
630'TA'
CURVE NBE2
CURVE NBE3
'TA' ℞
FOR DETAILS SEE PLANS
PROJECT ID: 1007-10-72
(BY OTHERS)
'NBE' ℞
PT: 242+05.77'NBE'
PC: 274+11.60'NBE'
PT: 291+13.78'NBE'
PI: 282+63.08
PC: 1688+66.13'TSB'

STA 1655+26.44'TSB'=
STA 49+15.95'J'
Y = 412937.459
X = 906761.493

POT 38+00.00'J'
Y = 412282.93
X = 905857.66

40'J'
STH 106
N54° 05' 20.00"E
50'J'
N33° 52' 25.00"W
N33° 52' 25.00"W
'TSB' ℞
N29° 37' 05.42"W

PC: 53+15.33'J'

'J' ℞
FOR DETAILS SEE PLANS
PROJECT ID: 1007-10-76
(BY OTHERS)

Y = 413468.97
X = 907398.30

60'J'
PI: 58+61.01'J'
70'J'
S89° 18' 40.00"E
STH 106
PT: 63+69.33'J'
35.36'E
PI: 73+30.

Y = 413467.89
X = 904753.99

Y = 416110.59
X = 904790.96

Y = 416112.18
X = 907438.08

'T' ℞
FOR DETAILS SEE PLANS
PROJECT ID: 1007-10-72
(BY OTHERS)

POT 79+00.00'T'
Y = 412169.85
X = 910026.18

STH 73
80'T'
11.95'T'

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAILS	SHEET	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\027201_AD.DWG
PLOT DATE : 8/27/2015
PLOT BY : JEFF OTTO
PLOT NAME : 027203_AD
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2

2

CURVE TSB6

PI STA = 1699+73.65'TSB'
Y = 416629.85
X = 904282.78
DELTA = 5°32'00"
D = 0°15'00"
T = 1107.53
L = 2213.33
R = 22918.32
PC STA = 1688+66.13'TSB'
PT STA = 1710+79.46'TSB'
SE = NC

CURVE TSB7

PI STA = 1744+57.38'TSB'
Y = 420577.68
X = 902153.51
DELTA = 1°07'42"
D = 0°34'23"
T = 98.43
L = 196.85
R = 9996.21
PC STA = 1743+58.95'TSB'
PT STA = 1745+55.80'TSB'
SE = NC

CURVE NBE4

PI STA = 366+94.33'NBE'
Y = 422413.36
X = 901226.14
DELTA = 30°30'55"
D = 1°00'00"
T = 1562.89
L = 3051.54
R = 5729.58
PC STA = 351+31.44'NBE'
PT STA = 381+82.98'NBE'
SE = 3.80%

Y = 418936.62
X = 899425.58

Y = 416182.32
X = 902093.81

Y = 418865.91
X = 902103.23

Y = 421591.34
X = 899445.63

END PROJECT: 1007-10-78
STA 1715+00.00'TSB'
Y = 417,974.77
X = 903,557.40

PI: 1699+73.65'TSB'
PT: 1710+79.46'TSB'
PC: 1743+58.95'TSB'
PT: 1745+55.80'TSB'
PI: 1744+57.38'TSB'
PC: 1749+63.61'TSB'
PC: 351+31.44'NBE'

CURVE TSB6
CURVE TSB7
CURVE TSB8
CURVE NBE4

'TSB' ℄
'NBE' ℄

1700'TSB' 1710'TSB' 1720'TSB' 1730'TSB' 1740'TSB' 1750'TSB' 1760'TSB' 1770'TSB'
310'NBE' 320'NBE' 330'NBE' 340'NBE' 350'NBE' 360'NBE' 370'NBE'

N28° 20' 25.00"W
N29° 37' 05.42"W
N29° 28' 06.90"W

MATCHLINE 1698+00.00'TSB'

Y = 418795.40
X = 904764.34

Y = 421530.80
X = 902111.01

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	ALIGNMENT DETAILS	SHEET	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\027201_AD.DWG PLOT DATE : 8/27/2015 PLOT BY : JEFF OTTO PLOT NAME : 027204_AD PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

DATE 29FEB16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1007-10-78 QUANTITY
0010	201.0205	Grubbing	STA	112.000	112.000
0020	203.0100	Removing Small Pipe Culverts	EACH	14.000	14.000
0030	203.0200	Removing Old Structure (station) 001. 1714+45.85 'TSB'	LS	1.000	1.000
0040	203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (station) 001. 1679+66'TSB'	LS	1.000	1.000
0050	204.0115	Removing Asphaltic Surface Butt Joints	SY	111.000	111.000
0060	204.0120	Removing Asphaltic Surface Milling	SY	12,070.000	12,070.000
0070	204.0165	Removing Guardrail	LF	1,543.000	1,543.000
0080	204.0170	Removing Fence	LF	16,422.000	16,422.000
0090	204.0180	Removing Delineators and Markers	EACH	67.000	67.000
0100	204.0220	Removing Inlets	EACH	1.000	1.000
0110	204.0245	Removing Storm Sewer (size) 001. 42-Inch	LF	12.000	12.000
0120	204.0270	Abandoning Culvert Pipes	EACH	1.000	1.000
0130	205.0100	Excavation Common	CY	47,299.000	47,299.000
0140	205.0400	Excavation Marsh	CY	2,747.000	2,747.000
0150	206.1000	Excavation for Structures Bridges (structure) 001. B-13-0208	LS	1.000	1.000
0160	206.2000	Excavation for Structures Culverts (structure) 001. C-13-3076	LS	1.000	1.000
0170	206.5000	Cofferdams (structure) 001. C-13-3076	LS	1.000	1.000
0180	208.1100	Select Borrow	CY	2,269.000	2,269.000
0190	210.0100	Backfill Structure	CY	275.000	275.000
0200	213.0100	Finishing Roadway (project) 001. 1007-10-78	EACH	1.000	1.000
0210	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,153.000	3,153.000
0220	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	100,763.000	100,763.000
0230	311.0115	Breaker Run	CY	24.000	24.000
0240	312.0110	Select Crushed Material	TON	4,443.000	4,443.000
0250	440.4410	Incentive IRI Ride	DOL	16,285.000	16,285.000
0260	455.0605	Tack Coat	GAL	6,387.000	6,387.000
0270	460.2000	Incentive Density HMA Pavement	DOL	18,078.000	18,078.000
0280	460.4000	HMA Cold Weather Paving	TON	1,078.000	1,078.000
0290	460.7222	HMA Pavement 2 HT 58-28 S	TON	17,827.000	17,827.000
0300	460.7424	HMA Pavement 4 HT 58-28 H	TON	10,119.000	10,119.000
0310	502.0100	Concrete Masonry Bridges **P**	CY	98.000	98.000
0320	502.3210	Pigmented Surface Sealer **P**	SY	28.000	28.000
0330	502.5005	Masonry Anchors Type L No. 5 Bars	EACH	120.000	120.000
0340	502.5010	Masonry Anchors Type L No. 6 Bars	EACH	26.000	26.000
0350	502.6105	Masonry Anchors Type S 5/8-Inch	EACH	12.000	12.000
0360	504.0100	Concrete Masonry Culverts **P**	CY	43.000	43.000
0370	505.0400	Bar Steel Reinforcement HS Structures **P**	LB	10,530.000	10,530.000
0380	505.0600	Bar Steel Reinforcement HS Coated Structures **P**	LB	13,010.000	13,010.000
0390	509.1500	Concrete Surface Repair	SF	40.000	40.000
0400	509.3500.S	HMA Overlay Polymer-Modified	TON	14.000	14.000
0410	511.2200	Temporary Shoring Left in Place (structure) 001. C-13-3076	SF	280.000	280.000
0420	516.0500	Rubberized Membrane Waterproofing	SY	19.000	19.000
0430	520.8000	Concrete Collars for Pipe	EACH	16.000	16.000
0440	521.0118	Culvert Pipe Corrugated Steel 18-Inch	LF	22.000	22.000
0450	521.0136	Culvert Pipe Corrugated Steel 36-Inch	LF	12.000	12.000
0460	521.0148	Culvert Pipe Corrugated Steel 48-Inch	LF	34.000	34.000

3

DATE 29FEB16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1007-10-78 QUANTITY
0470	521.0154	Culvert Pipe Corrugated Steel 54-Inch	LF	52.000	52.000
0480	521.1048	Apron Endwalls for Culvert Pipe Steel 48-Inch	EACH	1.000	1.000
0490	521.1507	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 36-Inch 4 to 1	EACH	2.000	2.000
0500	521.2005.S	Surface Drain Pipe Corrugated Metal Slotted (inch) 001. 18-Inch	LF	1,251.000	1,251.000
0510	522.0118	Culvert Pipe Reinforced Concrete Class III 18-Inch	LF	59.000	59.000
0520	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	18.000	18.000
0530	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	7.000	7.000
0540	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	1.000	1.000
0550	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	2.000	2.000
0560	550.2124	Piling CIP Concrete 12 3/4 X 0.25-Inch	LF	420.000	420.000
0570	550.2126	Piling CIP Concrete 12 3/4 X 0.375-Inch	LF	280.000	280.000
0580	603.8000	Concrete Barrier Temporary Precast Delivered	LF	11,064.000	11,064.000
0590	603.8125	Concrete Barrier Temporary Precast Installed	LF	13,270.000	13,270.000
0600	606.0200	Riprap Medium	CY	12.000	12.000
0610	606.0300	Riprap Heavy	CY	93.000	93.000
0620	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	1,166.000	1,166.000
0630	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	622.000	622.000
0640	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	1,013.000	1,013.000
0650	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	36.000	36.000
0660	611.0642	Inlet Covers Type MS	EACH	24.000	24.000
0670	611.3901	Inlets Median 1 Grate	EACH	10.000	10.000
0680	611.3902	Inlets Median 2 Grate	EACH	7.000	7.000
0690	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	113.000	113.000
0700	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	80.000	80.000
0710	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	2.000	2.000
0720	614.0800	Crash Cushions Permanent	EACH	4.000	4.000
0730	614.0905	Crash Cushions Temporary	EACH	4.000	4.000
0740	614.0930	Salvaged Crash Cushions	EACH	5.000	5.000
0750	616.0100	Fence Woven Wire (height) 001. 4-Ft **P**	LF	16,072.000	16,072.000
0760	616.0700.S	Fence Safety	LF	1,000.000	1,000.000
0770	619.1000	Mobilization	EACH	1.000	1.000
0780	624.0100	Water	MGAL	840.000	840.000
0790	625.0500	Salvaged Topsoil **P**	SY	87,760.000	87,760.000
0800	627.0200	Mulching	SY	17,750.000	17,750.000
0810	628.1104	Erosion Bales	EACH	480.000	480.000
0820	628.1504	Silt Fence	LF	13,760.000	13,760.000
0830	628.1520	Silt Fence Maintenance	LF	82,580.000	82,580.000
0840	628.1905	Mobilizations Erosion Control	EACH	11.000	11.000
0850	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000
0860	628.2002	Erosion Mat Class I Type A	SY	27,620.000	27,620.000

3

DATE 29FEB16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1007-10-78 QUANTITY
0870	628.2004	Erosion Mat Class I Type B	SY	18,420.000	18,420.000
0880	628.2006	Erosion Mat Urban Class I Type A	SY	1,060.000	1,060.000
0890	628.6005	Turbidity Barriers	SY	127.000	127.000
0900	628.7005	Inlet Protection Type A	EACH	24.000	24.000
0910	628.7504	Temporary Ditch Checks	LF	165.000	165.000
0920	628.7555	Culvert Pipe Checks	EACH	162.000	162.000
0930	628.7560	Tracking Pads	EACH	2.000	2.000
0940	628.7570	Rock Bags	EACH	1,198.000	1,198.000
0950	629.0205	Fertilizer Type A	CWT	55.000	55.000
0960	630.0130	Seeding Mixture No. 30	LB	1,590.000	1,590.000
0970	630.0200	Seeding Temporary	LB	2,370.000	2,370.000
0980	633.1100	Delineators Temporary	EACH	8.000	8.000
0990	633.5200	Markers Culvert End	EACH	16.000	16.000
1000	634.0416	Posts Wood 4x4-Inch X 16-FT	EACH	3.000	3.000
1010	635.0200	Sign Supports Structural Steel HS	LB	421.000	421.000
1020	636.0100	Sign Supports Concrete Masonry **P**	CY	1.800	1.800
1030	636.0500	Sign Supports Steel Reinforcement	LB	112.000	112.000
1040	637.2210	Signs Type II Reflective H	SF	72.000	72.000
1050	638.2101	Moving Signs Type I	EACH	1.000	1.000
1060	638.2102	Moving Signs Type II	EACH	30.000	30.000
1070	638.4100	Moving Structural Steel Sign Supports	EACH	2.000	2.000
1080	642.5201	Field Office Type C	EACH	1.000	1.000
1090	643.0100	Traffic Control (project) 001. 1007-10-78	EACH	1.000	1.000
1100	643.0300	Traffic Control Drums	DAY	27,958.000	27,958.000
1110	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	225.000	225.000
1120	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	225.000	225.000
1130	643.0715	Traffic Control Warning Lights Type C	DAY	1,080.000	1,080.000
1140	643.0800	Traffic Control Arrow Boards	DAY	268.000	268.000
1150	643.0900	Traffic Control Signs	DAY	4,140.000	4,140.000
1160	643.0920	Traffic Control Covering Signs Type II	EACH	2.000	2.000
1170	643.1050	Traffic Control Signs PCMS	DAY	710.000	710.000
1180	645.0105	Geotextile Fabric Type C	SY	78.000	78.000
1190	645.0120	Geotextile Fabric Type HR	SY	211.000	211.000
1200	646.0106	Pavement Marking Epoxy 4-Inch	LF	47,450.000	47,450.000
1210	646.0126	Pavement Marking Epoxy 8-Inch	LF	100.000	100.000
1220	646.0600	Removing Pavement Markings	LF	1,553.000	1,553.000
1230	646.0805.S	Pavement Marking Outfall	EACH	8.000	8.000
1240	649.0400	Temporary Pavement Marking Removable Tape 4-Inch	LF	3,927.000	3,927.000
1250	690.0150	Sawing Asphalt	LF	18,509.000	18,509.000
1260	715.0502	Incentive Strength Concrete Structures	DOL	846.000	846.000
1270	SPV.0035	Special 001. Roadway Embankment	CY	17,432.000	17,432.000
1280	SPV.0060	Special 001. Baseline CPM Progress Schedule	EACH	1.000	1.000
1290	SPV.0060	Special 002. CPM Progress Schedule Updates And Accepted Revisions	EACH	3.000	3.000
1300	SPV.0060	Special 101. Reinstall Terminal High-Tension Cable TL-3 Gibraltar	EACH	1.000	1.000
1310	SPV.0060	Special 102. Salvage Terminal High-Tension Cable TL-3 Gibraltar	EACH	5.000	5.000
1320	SPV.0060	Special 103. Traffic Control Barricades Type III With Sign	EACH	17.000	17.000

3

DATE 29FEB16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1007-10-78 QUANTITY
1330	SPV.0090	Special 001. Fill Existing Rumble Strips	LF	242.000	242.000
1340	SPV.0090	Special 102. Salvage High-Tension Cable TL-3 Socketed Gibraltar	LF	10,122.000	10,122.000
1350	SPV.0090	Special 200. Concrete Barrier Temporary Precast Left In Place	LF	3,655.000	3,655.000
1360	SPV.0105	Special 003. Survey Project 1007-10-78	LS	1.000	1.000

3

CLEARING AND GRUBBING

STAGE	LOCATION	STATION			201.0205 GRUBBING STA
1	IH 39 SB	1498+00 - 1500+00	'TSB'		2
		1503+00 - 1505+00	'TSB'		2
		1506+00 - 1512+00	'TSB'		6
		1516+00 - 1520+00	'TSB'		4
		1527+00 - 1529+00	'TSB'		2
		1530+00 - 1533+00	'TSB'		3
		1541+00 - 1542+00	'TSB'		1
		1543+00 - 1554+00	'TSB'		11
		1555+00 - 1557+00	'TSB'		2
		1560+00 - 1561+00	'TSB'		1
		1562+00 - 1577+00	'TSB'		15
		1639+00 - 1643+00	'TSB'		4
		1644+00 - 1646+00	'TSB'		2
		1652+00 - 1654+00	'TSB'		2
		1657+00 - 1702+00	'TSB'		45
		1703+00 - 1705+00	'TSB'		2
		1707+00 - 1715+00	'TSB'		8
	CATEGORY 1000 SUBTOTALS				112
	PROJECT TOTALS				112

REMOVING SMALL PIPE CULVERTS

STAGE	LOCATION	STATION		OFFSET	DESCRIPTION	203.0100 EACH	204.0270 ABANDONING CULVERT PIPES EACH	REMARKS
1	IH 39	1660+74	'TSB'	LT	76' x 18" CPRC	1	-	PARTIAL REMOVAL (APPROX. 1.5 LF)
		1661+74	'TSB'	LT	172' x 36 CPRC	1	-	REMOVE ENDWALL
		1661+81	'TSB'	LT	172' x 36" CPRC	1	-	REMOVE ENDWALL
	STAGE 1 SUBTOTALS					3	-	
2	IH 39	1508+74	'TSB'	RT	68' x 18" CPRC	1	-	REMOVE ENDWALL
		1518+41	'TSB'	RT	96' x 42" CPCS	1	-	PARTIAL REMOVAL (APPROX. 12 LF)
		1586+78	'TSB'	RT	68' x 18" CPRC	1	-	PARTIAL REMOVAL (APPROX. 6 LF)
		1593+16	'TSB'	RT	48' x 18 CMRC	1	-	
		1600+81	'TSB'	RT	84' x 18" CPRC	1	-	PARTIAL REMOVAL (APPROX. 12.5 LF)
		1615+63	'TSB'	RT	79' x 18" CPRC	1	-	PARTIAL REMOVAL (APPROX. 1.5 LF)
		1620+72	'TSB'	RT	79' x 18" CPRC	1	-	REMOVE ENDWALL
		1653+41	'TSB'	RT	57' x 18" CPRC	1	1	PARTIAL REMOVE (APPROX. 12 LF)
		1660+74	'TSB'	RT	76' x 18" CPRC	1	-	REMOVE ENDWALL
		1668+74	'TSB'	RT	72' x 24" CPRC	1	-	PARTIAL REMOVAL (APPROX. 5 LF)
		1703+73	'TSB'	RT	79' x 18" CPRC	1	-	REMOVE ENDWALL
	STAGE 2 SUBTOTALS					11	1	
	CATEGORY 1000 SUBTOTALS					14	1	
	PROJECT TOTALS					14	1	

REMOVING ASPHALTIC SURFACE BUTT JOINTS

STAGE	LOCATION	STATION	204.0115 SY
1	IH 39 SB	1656+49	14
		1661+41	14
		1677+36	17
		1679+36	17
		1679+92	14
		1681+92	13
		UNDISTRIBUTED	22
	CATEGORY 1000 SUBTOTALS		111
	PROJECT SUBTOTALS		111

3

REMOVING GUARDRAIL

STAGE	LOCATION	STATION			OFFSET	204.0165 LF
1	IH 39 SB	1657+48 - 1664+44	'TSB'		LT	695
				STAGE 1 SUBTOTAL		695
2	IH 39 SB	1555+56 - 1557+23	'TSB'		RT	166
		1679+33	'TSB'		RT	40
		1679+92	'TSB'		RT	41
		1679+88 - 1682+98	'TSB'		RT	310
		1713+88 - 1716+80	'TSB'		RT	291
				STAGE 2 SUBTOTAL		848
				CATEGORY 1000 SUBTOTAL		1,543
				PROJECT TOTAL		1,543

REMOVING FENCE

STAGE	LOCATION	STATION			OFFSET	204.0170 LF
1	IH 39 SB	1498+00 - 1528+96	'TSB'		LT	3,137
		1530+08 - 1583+78	'TSB'		LT	5,396
		1635+66 - 1654+18	'TSB'		LT	2,050
		1657+45 - 1679+38	'TSB'		LT	2,293
		1679+92 - 1715+00	'TSB'		LT	3,546
				CATEGORY 1000 SUBTOTAL		16,422
				PROJECT TOTAL		16,422

REMOVING DELINEATORS AND MARKERS

STAGE	LOCATION	204.0180 EACH
1	IH 39 SB	67
	CATEGORY 1000 SUBTOTAL	67
	PROJECT TOTAL	67

EARTHWORK SUMMARY

STAGE	LOCATION	STATION	205.0100 EXCAVATION COMMON (1) CY CUT (2)	EBS EXCAVATION (3)	205.0400 MARSH EXCAVATION (4) CY	FILL CY	SPV.0035.001 ROADWAY EMBANKMENT(5) CY	MASS ORDINATE (6) CY	312.0110 SELECT CRUSHED MATERIAL (7) TON	208.1100 SELECT BORROW CY (3)
1	IH 39 SB									
		1498+00 - 1715+00 'TSB'	17,599	880	176	844	1,020	17,811	334	704
2	IH 39 SB									
		1500+83 - 1715+00 'TSB'	25,093	3,727	2,571	13,842	16,412	17,549	4,109	1,565
		CATEGORY 1000 SUBTOTALS	42,692	4,607	2,747	14,686	17,432	35,360	4,443	2,269
		PROJECT TOTALS	42,692	4,607	2,747	14,686	17,432	35,360	4,443	2,269
			47,299							

1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT BORROW EXCEPT AS NOTED IN NOTE 7.
SEE CONSTRUCTION DETAILS FOR LIMITS OF EBS EXCAVATION AND PLACEMENT.

4) MARSH EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.
SEE CONSTRUCTION DETAILS FOR LIMITS OF MARSH EXCAVATION AND PLACEMENT.

5) ROADWAY EMBANKMENT = (FILL + EBS EXCAVATION+ MARSH EXCAVATION - (SELECT CRUSHED MATERIAL ÷ 1.9) - SELECT BORROW)

6) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
MASS ORDINATE = CUT +EBS EXC + MARSH EXC - FILL. THE MASS ORDINATE IS FOR INFORMATION PURPOSES ONLY AS COMMON EXCAVATION AND ROADWAY EMBANKMENT ARE NOT BALANCED FOR QUANTITY PURPOSES AND DOES NOT GUARANTEE THE QUALITY OF COMMON EXCAVATION, AND IF IT CAN BE REUSED ONSITE.

7) SELECT CRUSHED MATERIAL USED IN AREAS OF MARSH EXCAVATION AND IN EBS AREAS WHERE WATER IS ENCOUNTERED. WHERE WATER IS ENCOUNTERED, PLACE SELECT CRUSHED MATERIAL TO AN ELEVATION 1 FT ABOVE THE WATER LINE.

REMOVING INLETS

STAGE	LOCATION	STATION	OFFSET	204.0220 EACH	REMARKS
2	IH 39	1518+40 'TSB'	35.6' RT	1	MEDIAN
		CATEGORY 1000 SUBTOTAL		1	
		PROJECT TOTAL		1	

REMOVING STORM SEWER

STAGE	LOCATION	STATION	OFFSET	204.0245.002 42-INCH LF	REMARKS
2	IH 39	1518+40 'TSB'	RT	12	MEDIAN
		CATEGORY 1000 SUBTOTAL		12	
		PROJECT TOTAL		12	

BASE AGG ITEMS

STAGE	LOCATION	STATION	OFFSET	305.0110 BASE AGG DENSE 3/4-INCH TON	305.0120 BASE AGG DENSE 1 1/4-INCH TON
1	IH 39 SB	1498+00 - 1528+08 'TSB'	LT	234	4,358
		1530+28 - 1580+96 'TSB'	LT	365	7,375
		1596+14 - 1629+32 'TSB'	LT	323	4,996
		1639+31 - 1652+38 'TSB'	LT	102	1,899
		1658+13 - 1679+36 'TSB'	LT	166	3,084
		1679+92 - 1715+00 'TSB'	LT	244	4,741
	IH 39 NB	196+75 - 204+40 'NBE'	LT	-	29
		STAGE 1 SUBTOTALS		1,434	26,482
2	IH 39 SB	1500+83 - 1528+12 'TSB'	RT	272	9,445
		1530+28 - 1715+00 'TSB'	RT	1,310	61,408
		1568+18 - 1575+00 'TBX'	LT & RT	97	2,635
	IH 39 NB	176+94 - 181+00 'NBE'	LT	40	793
		STAGE 2 SUBTOTALS		1,719	74,281
		CATEGORY 1000 SUBTOTALS		3,153	100,763
		PROJECT TOTALS		3,153	100,763

HMA PAVEMENT ITEMS

STAGE	LOCATION	STATION	OFFSET	455.0605 TACK COAT GAL	460.4000 HMA COLD WEATHER PAVING TON	460.7222 HMA PAVEMENT 2 HT 58-28 S TON	460.7424 HMA PAVEMENT 4 HT 58-28 H TON	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	SPV.0090.001 FILL EXISTING RUMBLE STRIPS LF	REMARKS
1	IH 39 SB	1498+00 - 1528+08 'TSB'	LT	187	-	623	299	-	-	OUTSIDE SHOULDER
		1498+00 - 1528+08 'TSB'	LT	47	-	-	74	667	-	OUTSIDE SHOULDER
		1530+28 - 1580+96 'TSB'	LT	313	-	1,063	510	-	-	OUTSIDE SHOULDER
		1530+28 - 1580+96 'TSB'	LT	79	-	-	124	1,126	-	OUTSIDE SHOULDER
		1596+13 - 1629+32 'TSB'	LT	207	-	690	331	-	-	OUTSIDE SHOULDER
		1596+13 - 1629+32 'TSB'	LT	52	-	-	82	738	-	OUTSIDE SHOULDER
		1639+31 - 1652+38 'TSB'	LT	82	-	272	131	-	-	OUTSIDE SHOULDER
		1639+31 - 1654+07 'TSB'	LT	23	-	-	37	328	-	OUTSIDE SHOULDER
		1654+07 - 1656+49 'TSB'	LT	-	-	-	-	-	242	OUTSIDE SHOULDER
		1656+49 - 1661+41 'TSB'	LT	100	-	-	157	1,393	-	TRAVEL LANES/OUTSIDE SHOULDER
		1658+13 - 1679+37 'TSB'	LT	133	-	442	212	-	-	OUTSIDE SHOULDER
		1661+41 - 1679+37 'TSB'	LT	28	-	-	44	400	-	OUTSIDE SHOULDER
		1677+36 - 1679+37 'TSB'	LT	38	-	-	59	508	-	TRAVEL LANES
		1679+92 - 1681+92 'TSB'	LT	38	-	-	59	506	-	TRAVEL LANES
		1679+92 - 1715+00 'TSB'	LT	219	-	730	350	-	-	OUTSIDE SHOULDER
		1679+92 - 1715+00 'TSB'	LT	55	-	-	86	780	-	OUTSIDE SHOULDER
	IH 39 NB	196+75 - 204+40 'NBE'	LT	12	-	-	19	-	-	MEDIAN SHOULDER
		STAGE 1 SUBTOTALS		1,613	-	3,820	2,574	6,446	242	
2	IH 39 SB	1500+83 - 1528+12 'TSB'	RT	565	135	1,808	892	-	-	MEDIAN WIDENING
		1500+83 - 1528+12 'TSB'	RT	85	7	-	134	1,213	-	MEDIAN WIDENING
		1530+28 - 1714+52 'TSB'	RT	3,636	870	11,650	5,746	-	-	MEDIAN WIDENING
		1530+28 - 1576+62 'TSB'	RT	145	11	-	227	2,060	-	MEDIAN WIDENING
		1568+18 - 1575+00 'TBX'	LT & RT	132	32	422	208	-	-	FUTURE TEMPORARY RAMP CROSSOVER
		1571+75 - 1572+05 'TSB'	RT	6	1	-	16	-	-	TEMPORARY MAINTENANCE CROSSOVER
		1665+62 - 1679+37 'TSB'	RT	43	3	-	68	611	-	MEDIAN WIDENING
		1679+92 - 1715+00 'TSB'	RT	110	9	-	172	1,559	-	MEDIAN WIDENING
	IH 39 NB	176+94 - 181+00 'NBE'	LT	39	9	127	62	-	-	FUTURE TEMP RAMP
		176+94 - 181+00 'NBE'	LT	13	1	-	20	181	-	FUTURE TEMP RAMP
		STAGE 2 SUBTOTALS		4,774	1,078	14,007	7,545	5,624	-	
		CATEGORY 1000 SUBTOTALS		6,387	1,078	17,827	10,119	12,070	242	
		PROJECT SUBTOTALS		6,387	1,078	17,827	10,119	12,070	242	

CULVERT PIPE

STAGE	LOCATION	INLET STATION	INLET OFFSET	INLET ELEVATION	OUTLET STATION	OUTLET OFFSET	OUTLET ELEVATION	SLOPE %	*520.8000 CONCRETE COLLARS FOR PIPE EACH	521.0148 CURRUGATED STEEL 48-INCH LF	521.0154 CURRUGATED STEEL 54-INCH LF	MIN. PIPE THICKNESS STEEL IN	522.0118 REINFORCED CONC. CLASS III 18-INCH LF	522.0136 REINFORCED CONC. CLASS III 36-INCH LF	*633.5200 MARKERS CULVERT END EACH	REMARKS
1	IH 39	1661+73.80	'TSB' 57.0' LT	836.27	1661+73.80	'TSB' 65.4' LT	836.27	0.00	1	-	-	-	-	9	-	OUTSIDE EXTENSION
		1661+81.01	'TSB' 57.2' LT	836.19	1661+81.01	'TSB' 65.7' LT	836.19	0.00	1	-	-	-	-	9	-	OUTSIDE EXTENSION
2	IH 39	1503+73.96	'TSB' 36.7' RT	850.69	1503+74.03	'TSB' 22.8' RT	849.35	9.59	1	-	-	-	14	-	-	MEDIAN EXTENSION
		1508+73.62	'TSB' 37.4' RT	852.53	1508+73.89	'TSB' 22.1' RT	851.69	5.26	1	-	-	-	16	-	-	MEDIAN EXTENSION
		1555+76.45	'TSB' 29.5' RT	817.85	1555+84.45	'TSB' 55.4' RT	817.69	0.59	-	-	27	0.109	-	-	1	MEDIAN EXTENSION
		1555+83.60	'TSB' 29.4' RT	817.97	1555+91.14	'TSB' 53.3' RT	817.81	0.64	-	-	25	0.109	-	-	1	MEDIAN EXTENSION
		1566+56.11	'TSB' 43.8' RT	820.88	1566+54.01	'TSB' 77.2' RT	820.88	0.00	-	34	-	0.109	-	-	-	MEDIAN EXTENSION
		1620+71.89	'TSB' 36.6' RT	854.03	1620+72.32	'TSB' 23.7' RT	853.33	5.38	1	-	-	-	13	-	-	MEDIAN EXTENSION
		1703+73.45	'TSB' 38.6' RT	851.70	1703+73.36	'TSB' 22.5' RT	851.22	3.00	1	-	-	-	16	-	-	MEDIAN EXTENSION
							UNDISTRIBUTED		2	-	-	-	-	-	-	
							CATEGORY 1000 SUBTOTALS		8	34	52		59	18	2	
							PROJECT TOTALS		8	34	52		59	18	2	

NOTE: STATION, OFFSET AND ELEVATION INFORMATION PROVIDED IS TO THE END OF PIPE

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLAN

CULVERT PIPE ENDWALLS

STAGE	LOCATION	STATION	OFFSET	521.1048 APRON ENDWALLS FOR CULVERT PIPE STEEL 48-INCH EACH	521.1507 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 36-INCH 4 TO 1 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	*633.5200 MARKERS CULVERT END EACH
1	IH 39	1620+71.89	'TSB' RT	-	-	1	-	-	1
		1660+73.80	'TSB' LT	-	-	1	-	-	-
		1661+73.80	'TSB' LT	-	-	-	-	1	1
		1661+81.01	'TSB' LT	-	-	-	-	1	1
2	IH 39	1503+73.96	'TSB' RT	-	-	1	-	-	1
		1508+73.62	'TSB' RT	-	-	1	-	-	1
		1566+54.01	'TSB' RT	1	-	-	-	-	1
		1569+65.05	'TSB' RT	-	-	1	-	-	-
		1572+05.92	'TSB' RT	-	-	1	-	-	-
		1578+70.75	'TSB' RT	-	1	-	-	-	1
		1578+75.78	'TSB' RT	-	1	-	-	-	1
		1578+87.95	TSB' RT	-	-	-	1	-	1
		1703+73.45	'TSB' RT	-	-	1	-	-	1
	CATEGORY 1000 SUBTOTALS			1	2	7	1	2	10
	PROJECT TOTALS			1	2	7	1	2	10

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLAN

SURFACE DRAIN PIPE CORRUGATED METAL SLOTTED

STAGE	LOCATION	BEGIN STATION	BEGIN OFFSET	END STATION	END OFFSET	521.2005.S 18-INCH LF	REMARKS
2	IH 39	1642+49.54	28.00' RT	1655+00.00	28.00' RT	1,251	CONNECT TO 18" CPCM, TWO 45-DEGREE ELBOWS REQ'D
					CATEGORY 1000 SUBTOTALS	1,251	
					PROJECT TOTALS	1,251	

CONCRETE BARRIER ITEMS

STAGE	LOCATION	STATION	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	SPV.0090.200 CONCRETE BARRIER TEMPORARY PRECAST LEFT IN PLACE LF
2	IH 39 SB	1576+62 - 1611+65 'TSB'	3,502	3,502	-
		1641+24 - 1653+87 'TSB'	1,263	1,263	-
		1663+12 - 1665+62 'TSB'	250	250	-
		1678+00 - 1684+92 'TSB'	692	692	-
	IH 39 NB	174+17 - 211+05 'NBE'	3,688	3,688	2,895
		238+06 - 249+30 'NBE'	1,124	1,124	-
		258+55 - 264+00 'NBE'	545	545	-
		STAGE 2 SUBTOTALS	11,064	11,064	2,895
FINAL PROPOSED	IH 39 SB	1611+65 - 1617+02 'TSB'	-	538	-
		1654+04 - 1663+12 'TSB'	-	908	-
		1679+92 - 1681+52 'TSB'	-	160	160
	IH 39 NB	181+00 - 182+10 'NBE'	-	110	110
	CROSS OVER	1573+05 - 1579+07 TBX'	-	490	490
		FINAL PROPOSED SUBTOTALS	-	2,206	760
		CATEGORY 1000 SUBTOTALS	11,064	13,270	3,655
		PROJECT TOTALS	11,064	13,270	3,655

CRASH CUSHION ITEMS

STAGE	LOCATION	STATION	614.0800 CRASH CUSHIONS PERMANENT EACH	614.0905 CRASH CUSHIONS TEMPORARY EACH	614.0930 SALVAGED CRASH CUSHIONS EACH	BACK WIDTH FT	SIGN PLATE	CRASH TEST LEVEL	TRAFFIC LOCATION
2	IH 39 SB	1665+62 'TSB'	-	1	1	2	WO5-58L	TL-3	RT
		1684+92 'TSB'	-	1	-	2	WO5-58L	TL-3	RT
	IH 39 NB	174+17 'NBE'	-	1	-	2	WO5-58L	TL-3	RT
		211+05 'NBE'	-	-	1	-	-	-	-
		238+06 'NBE'	-	1	-	2	WO5-58L	TL-3	RT
		STAGE 2 SUBTOTALS	-	4	2				
FINAL PROPOSED	IH 39 SB	1617+02 'TSB'	1	-	1	2	W5-58L	TL-3	RT
		1663+12 'TSB'	1	-	1	2	W5-58L	TL-3	RT
		1681+52 'TSB'	1	-	-	2	W5-58L	TL-3	RT
	IH 39 NB	211+05 'NBE'	-	-	1	-	-	-	-
		249+30 'NBE'	1	-	-	2	W5-58L	TL-3	RT
		FINAL PROPOSED SUBTOTALS	4	-	3				
		CATEGORY 1000 SUBTOTALS	4	4	5				
		PROJECT TOTALS	4	4	5				

STORM SEWER SUMMARY

	INLET		OUTLET		SLOPE	*520.8000 CONCRETE COLLARS FOR PIPE	521.0118 CULVERT PIPE CORRUGATED STEEL	521.0136	MIN. PIPE THICKNESS	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III	608.0324	608.0330	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV	633.5200 *MARKERS CULVERT END
STAGE	STRUCTURE	ELEVATION	STRUCTURE	ELEVATION	%	EACH	18-INCH LF	36-INCH LF	STEEL IN	18-INCH LF	24-INCH LF	30-INCH LF	18-INCH LF	EACH
2	1.1	834.54	1.2	831.81	1.77	-	-	-	-	154	-	-	-	1
	1.2	831.81	1.3	831.16	0.95	-	-	-	-	67	-	-	-	-
	1.3	831.16	1.4	830.85	0.65	-	-	-	-	45	-	-	-	1
	2.7	848.55	2.6	847.21	0.45	-	-	-	-	300	-	-	-	-
	2.6	846.73	2.5	846.28	0.46	-	-	-	-	-	100	-	-	-
	2.5	846.28	2.4	844.00	0.46	-	-	-	-	-	500	-	-	-
	2.4	843.50	2.3	843.00	0.23	-	-	-	-	-	-	222	-	-
	2.3	843.00	2.2	840.37	0.46	-	-	-	-	-	-	578	-	-
	2.2	840.37	2.1	839.46	0.43	-	-	-	-	-	-	213	-	1
	-	858.96	3.1	857.29	7.61	-	22	-	0.064	-	-	-	-	-
	3.1	855.29	3.2	854.90	3.24	1	-	12	0.079	-	-	-	-	-
	5.1	852.06	5.2	852.06	0.00	1	-	-	-	-	-	-	18	-
	7.1	852.00	7.2	851.81	2.33	1	-	-	-	9	-	-	-	-
	8.1	850.41	8.2	850.28	0.73	1	-	-	-	-	-	-	18	-
	PROPOSED PIPE	843.93	9.1	842.45	0.26	1	-	-	-	571	-	-	-	-
	9.1	842.45	9.2	842.37	0.57	1	-	-	-	16	-	-	-	-
	9.3	840.49	9.4	840.44	1.18	1	-	-	-	4	-	-	-	1
	10.1	838.53	10.2	838.36	0.77	1	-	-	-	-	22	-	-	-
				CATEGORY 1000 SUBTOTALS		8	22	12		1,166	622	1,013	36	4
				PROJECT TOTALS		8	22	12		1,166	622	1,013	36	4

*ADDITIONAL QUANTITES LISTED ELSEWHERE IN PLAN

STORM SEWER STRUCTURE SCHEDULE

STAGE	STRUCTURE	STATION	OFFSET	TOP OF STRUCTURE ELEVATION	BOTTOM OF STRUCTURE ELEVATION	DEPTH	611.0642 INLET COVERS TYPE MS EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	REMARKS
2										
	1.2	1570+52.53	43.4' RT	834.27	831.58	2.69	1	1	-	-
	1.3	1569+85.36	40.3' RT	833.87	830.94	2.93	1	1	-	-
	2.2	1581+00.00	50.8' RT	844.54	840.08	4.46	2	-	1	ROTATE STRUCTURE 90°
	2.3	1586+78.35	46.2' RT	847.50	842.71	4.79	2	-	1	ROTATE STRUCTURE 90°
	2.4	1588+99.97	44.6' RT	848.38	843.21	5.17	2	-	1	ROTATE STRUCTURE 90°
	2.5	1594+00.00	44.1' RT	849.56	845.99	3.57	2	-	1	ROTATE STRUCTURE 90°
	2.6	1595+00.00	43.2' RT	850.05	846.42	3.63	2	-	1	ROTATE STRUCTURE 90°
	2.7	1598+00.59	42.6' RT	850.74	848.34	2.40	1	1	-	-
	3.1	1518+41.38	48.4' RT	859.53	854.96	4.57	2	-	1	-
	4	1600+80.76	43.8' RT	850.99	848.53	2.46	1	1	-	-
	5.1	1609+22.69	39.9' RT	854.02	851.85	2.17	1	1	-	-
	6	1615+63.49	38.1' RT	855.03	853.00	2.03	1	1	-	-
	7.1	1633+73.11	41.9' RT	854.14	851.43	2.71	1	1	-	-
	8.1	1641+74.07	38.3' RT	852.28	850.19	2.09	1	1	-	-
	9.1	1660+74.76	38.4' RT	844.64	842.24	2.40	1	1	-	-
	10.1	1668+73.90	42.8' RT	841.02	838.30	2.72	2	-	1	ROTATE STRUCTURE 90°
	11	1676+71.52	41.5' RT	842.30	839.78	2.52	1	1	-	-
					CATEGORY 1000 SUBTOTALS		24	10	7	
					PROJECT TOTALS		24	10	7	

PIPE UNDERDRAIN

STAGE	LOCATION	STATION		612.0206 UNPERFORATED 6-INCH LF	REMARKS
2	IH 39	1515+12.20	'TSB'	28	EXTENSION
		1517+92.32	'TSB'	50	EXTENSION TO STRUCTURE 1
		1519+95.14	'TSB'	22	EXTENSION
		1521+98.33	'TSB'	13	EXTENSION
		CATEGORY 1000 SUBTOTALS		113	
		PROJECT TOTALS		113	

HIGH-TENSION CABLE GUARD ITEMS

STAGE	LOCATION	STATION		OFFSET	SPV.0060.102 SALVAGE TERMINAL HIGH-TENSION CABLE TL-3 GIBRALTAR EACH	SPV.0090.102 SALVAGE HIGH-TENSION CABLE TL-3 SOCKETED GIBRALTAR LF	SPV.0060.101 REINSTALL TERMINAL HIGH-TENSION CABLE TL-3 GIBRALTAR EACH
2	IH 39 SB	1529+96	'TSB'	RT	1	-	-
		1529+96 - 1592+91	'TSB'	RT	-	6298	-
		1592+91	'TSB'	RT	1	-	-
	IH 39 NB	175+00	'NBE'	LT	-	-	1
		175+00 - 194+82	'NBE'	LT	-	1982	-
		194+82	'NBE'	LT	1		-
		195+57	'NBE'	LT	1	-	-
		195+57 - 214+00	'NBE'	LT	-	1842	-
		214+00	'NBE'	LT	1	-	-
		CATEGORY 1000 SUBTOTAL			5	10,122	1
		PROJECT TOTAL			5	10,122	1

WATER

LOCATION	624.0100 MGAL	REMARKS
UNDISTRIBUTED	400	BASE COMPACTION
	440	EARTHWORK DUST CONTROL
CATEGORY 1000 SUBTOTAL	840	BASE COMPACTION
PROJECT TOTAL	840	BASE COMPACTION

FENCE WOVEN WIRE 4-FT

STAGE	LOCATION	STATION	OFFSET	616.0100 LF
2	IH 39 SB	1498+00 - 1528+98 'TSB'	LT	3,083
		1530+84 - 1583+87 'TSB'	LT	5,299
		1635+66 - 1654+18 'TSB'	LT	1,859
		1657+45 - 1679+36 'TSB'	LT	2,249
		1679+92 - 1713+93 'TSB'	LT	3,477
		1714+03 - 1715+00 'TSB'	LT	105
		CATEGORY 1000 SUBTOTAL		16,072
		PROJECT TOTAL		16,072

FENCE SAFETY

LOCATION	616.0700.S LF
UNDISTRIBUTED	1,000
CATEGORY 1000 TOTAL	1,000
PROJECT TOTAL	1,000

EROSION CONTROL MOBILIZATION

STAGE	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 EMERGENCY MOBILIZATIONS EROSION CONTROL EACH
1	IH 39 SB	4	2
2	IH 39 SB	7	2
CATEGORY 1000 SUBTOTALS		11	5
PROJECT TOTALS		11	5

EROSION CONTROL

STAGE	LOCATION	STATION	606.0200 RIPRAP MEDIUM	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTAINANCE LF	628.2002 EROSION MAT CLASS I TYPE A SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	628.6005 TURBIDITY BARRIERS SY	628.7005 INLET PROTECTION TYPE A EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7560 TRACKING PADS EACH	**628.7570 ROCK BAGS EACH	*645.0120 GEOTEXTILE FABRIC TYPE HR SY
1	IH 39 SB TEMPORARY WIDENING OUTSIDE SHOULDER	1498+00 - 1596+00 'TSB'	-	-	4,480	26,880	5,340	1,280	10	-	-	48	40	-	379	-
		1596+00 - 1630+00 'TSB'	-	-	1,020	6,120	1,150	-	-	-	-	-	-	-	-	-
		1630+00 - 1715+00 'TSB'	-	360	4,550	27,300	4,320	1,340	330	-	-	-	8	-	304	-
		UNDISTRIBUTED	-	90	2,510	15,080	2,700	660	90	-	-	12	12	1	171	-
		STAGE 1 SUBTOTALS	-	450	12,560	75,380	13,510	3,280	430	-	-	60	60	1	854	-
2	IH 39 SB TEMPORARY WIDENING INSIDE SHOULDER	1498+00 - 1596+00 'TSB'	10	20	740	4,440	6,880	7,680	-	-	10	84	72	-	124	25
		1596+00 - 1630+00 'TSB'	-	-	-	-	690	1,790	-	-	4	-	8	-	-	-
		1630+00 - 1715+00 'TSB'	-	-	220	1,320	3,720	2,640	500	102	5	-	8	-	151	-
		UNDISTRIBUTED	2	10	240	1,440	2,820	3,030	130	25	5	21	14	1	69	6
		STAGE 2 SUBTOTALS	12	30	1,200	7,200	14,110	15,140	630	127	24	105	102	1	344	31
		CATEGORY 1000 SUBTOTALS	12	480	13,760	82,580	27,620	18,420	1,060	127	24	165	162	2	1,198	31
		PROJECT TOTALS	12	480	13,760	82,580	27,620	18,420	1,060	127	24	165	162	2	1,198	31

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLAN

**ROCK BAGS ARE FOR SILT FENCE RELIEF

RESTORATION

STAGE	LOCATION	STATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0250 FERTILIZER TYPE A CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 TEMPORARY SEEDING LB
1	IH 39 SB TEMPORARY WIDENING OUTSIDE SHOULDER	1498+00 - 1596+00 'TSB'	13,730	-	9	250	370
		1596+00 - 1630+00 'TSB'	3,780	-	2	70	100
		1630+00 - 1715+00 'TSB'	11,530	-	7	210	310
		UNDISTRIBUTED	7,260	7,360	5	130	200
		STAGE 1 SUBTOTALS	36,300	7,360	23	660	980
2	IH 39 SB TEMPORARY WIDENING INSIDE SHOULDER	1498+00 - 1596+00 'TSB'	23,480	-	15	420	630
		1596+00 - 1630+00 'TSB'	4,890	-	3	90	130
		1630+00 - 1715+00 'TSB'	12,800	-	8	230	350
		UNDISTRIBUTED	10,290	10,390	6	190	280
		STAGE 2 SUBTOTALS	51,460	10,390	32	930	1,390
		CATEGORY 1000 SUBTOTALS	87,760	17,750	55	1,590	2,370
		PROJECT TOTALS	87,760	17,750	55	1,590	2,370

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

STAGE	LOCATION	STATION	633.1100 DELINEATORS TEMPORARY EACH	643.0500 POSTS EACH	643.0600 BASES EACH
2	IH 39 SB	1641+20 - 1654+30 'TSB'	8	225	225
		CATEGORY 1000 SUBTOTALS	8	225	225
		PROJECT TOTALS	8	225	225

SIGNING ITEMS

SIGN NO.	SIGN MESSAGE	SIZE INCH	x	INCH	634.0416 POSTS WOOD 4X4-INCH X 16-FT EACH	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS LB	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT LB	637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2101 MOVING SIGNS TYPE I EACH	638.2102 MOVING SIGNS TYPE II EACH	638.4100 MOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	REMARKS
M2-01	ROCK CO	-	X	-	-	-	-	-	-	-	1	-	-
M2-02	NO U TURN	-	X	-	-	-	-	-	-	-	1	-	-
M2-03	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M3-01	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M3-02	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M4-01	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M5-01	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M5-02	SLOWER TRAFFIC KEEP RIGHT	-	X	-	-	-	-	-	-	-	1	-	-
M5-03	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M6-01	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M6-02	SPEED LIMIT	-	X	-	-	-	-	-	-	-	1	-	-
6-01	NO U TURN	36	X	48	1	-	-	-	12.00	-	-	-	MOUNT ON SAME POST AS 6-02
6-02	NO U TURN	36	X	48	-	-	-	-	12.00	-	-	-	MOUNT ON SAME POST AS 6-01
M7-01	REASSURANCE ASSEMBLY	-	X	-	-	-	-	-	-	-	1	-	-
M7-02	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M8-01	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M8-02	NO U TURN	-	X	-	-	-	-	-	-	-	1	-	-
M8-03	MERGING TRAFFIC	-	X	-	-	-	-	-	-	-	1	-	-
M9-01	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M10-01	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M10-02	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M10-03	NO U TURN	-	X	-	-	-	-	-	-	-	1	-	-
M11-01	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
11-01	NO U TURN	36	X	48	1	-	-	-	12.00	-	-	-	MOUNT ON SAME POST AS 11-02
11-02	NO U TURN	36	X	48	-	-	-	-	12.00	-	-	-	MOUNT ON SAME POST AS 11-01
M12-01	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M12-02	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
12-01	NO U TURN	36	X	48	1	-	-	-	12.00	-	-	-	MOUNT ON SAME POST AS 12-02
12-02	NO U TURN	36	X	48	-	-	-	-	12.00	-	-	-	MOUNT ON SAME POST AS 12-01
M12-03	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M13-01	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M14-01	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M14-02	EXIT 160 EDGERTON	-	X	-	-	421	1.8	112	-	1	-	2	TYPE D BASE REQUIRED
M14-03	ALTERNATE I-39	-	X	-	-	-	-	-	-	-	1	-	-
M15-01	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
M15-02	NO U TURN	-	X	-	-	-	-	-	-	-	1	-	-
M15-03	MILE MARKER	-	X	-	-	-	-	-	-	-	1	-	-
	CATEGORY 1000 SUBTOTALS				3	421	1.8	112	72.00	1	30	2	
	PROJECT TOTALS				3	421	1.8	112	72.00	1	30	2	

TEMPORARY PAVEMENT MARKING

STAGE	LOCATION	649.0400 REMOVABLE TAPE 4-INCH WHITE LF	649.0400 REMOVABLE TAPE 4-INCH YELLOW LF
2	IH 39 SB	2,685	1,242
	CATEGORY 1000 SUBTOTALS	2,685	1,242
	PROJECT TOTALS	2,685	1,242

REMOVING PAVEMENT MARKINGS

STAGE	LOCATION	STATION	646.0600 LF	REMARKS
2	IH 39 SB	1675+25 - 1687+67 'TSB'	1,553	OUTSIDE LANE LINE & CENTER LINE
		CATEGORY 1000 SUBTOTAL	1,553	
		PROJECT TOTAL	1,553	

PAVEMENT MARKING

STAGE	LOCATION	STATION	646.0805.S PAVEMENT MARKING OUTFALL EACH	646.0106 EPOXY 4-INCH WHITE LF	646.0106 EPOXY 4-INCH YELLOW LF	646.0106 EPOXY 4-INCH SKIPS WHITE LF	646.0126 EPOXY 8-INCH WHITE LF
2	IH 39 SB	1498+00 - 1596+00 'TSB'	-	8,100	7,675	-	-
		1596+00 - 1630+00 'TBS'	-	3,220	-	-	100
		1630+00 - 1715+00 'TSB'	-	7,400	5,330	475	-
		UNDISTRIBUTED	8	1,550	8,700	5,000	-
		CATEGORY 1000 SUBTOTALS	8	20,270	21,705	5,475	100
		PROJECT TOTALS	8		47,450		100

TRAFFIC CONTROL ITEMS

STAGE	LOCATION	# OF DAYS	643.0300 DRUMS NO.	643.0300 DRUMS (DAYS)	SPV.0060.103 BARRICADES TYPE III WITH SIGN EACH	643.0715 WARNING LIGHTS TYPE C NO.	643.0715 WARNING LIGHTS TYPE C (DAYS)	643.0800 ARROW BOARDS NO.	643.0800 ARROW BOARDS (DAYS)	643.0900 SIGNS NO.	643.0900 SIGNS (DAYS)	643.0920 COVERING SIGNS TYPE II (EACH)	643.1050 PCMS NO.	643.1050 PCMS (DAYS)	REMARKS
1	IH 39 SB	39	245	9555	-	-	-	-	-	1	39	1	2	78	DAYTIME OPERATIONS
		20	24	480	-	15	300	2	40	32	640	-	1	20	NIGHTTIME OPERATIONS
	IH 39 NB	39	20	780	-	-	-	1	39	10	390	-	2	78	DAYTIME OPERATIONS
		2	24	48	-	15	30	2	4	28	56	-	1	2	NIGHTTIME OPERATIONS
	STAGE 1 SUBTOTALS			10,863	-		330		83		1,125	1		178	
2	IH 39 SB	85	155	13,175	17	-	-	-	-	7	595	1	2	170	DAYTIME OPERATIONS
		40	24	960	-	15	600	2	80	28	1120	-	1	40	NIGHTTIME OPERATIONS
	IH 39 NB	85	32	2720	-	-	-	1	85	12	1020	-	2	170	DAYTIME OPERATIONS
		10	24	240	-	15	150	2	20	28	280	-	1	10	NIGHTTIME OPERATIONS
	STAGE 2 SUBTOTALS			17,095	17		750		185		3,015	1		390	
	UNDISTRIBUTED			-	-		-		-		-			142	
	CATEGORY 1000 SUBTOALS			27,958	17		1,080		268		4,140	2		710	
	PROJECT TOTALS			27,958	17		1,080		268		4,140	2		710	

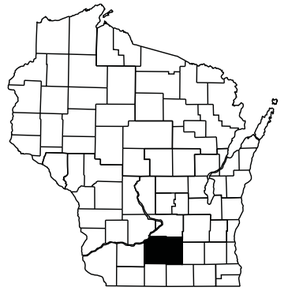
SAWING PAVEMENT

STAGE	LOCATION	STATION	690.0150 SAWING ASPHALT LF
1	IH 39 SB	1498+00 - 1528+24 'TSB'	3,023
		1530+29 - 1580+96 'TSB'	5,074
		1596+13 - 1629+32 'TSB'	3,337
		1639+31 - 1652+38 'TSB'	1,323
		1658+13 - 1679+36 'TSB'	2,140
		1679+92 - 1715+00 'TSB'	3,518
		STAGE 1 SUBTOTAL	18,415
2	IH 39 NB	102+14 - 103+18 'NBE'	94
		STAGE 2 SUBTOTAL	94
		CATEGORY 1000 SUBTOTAL	18,509
		PROJECT TOTAL	18,509

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

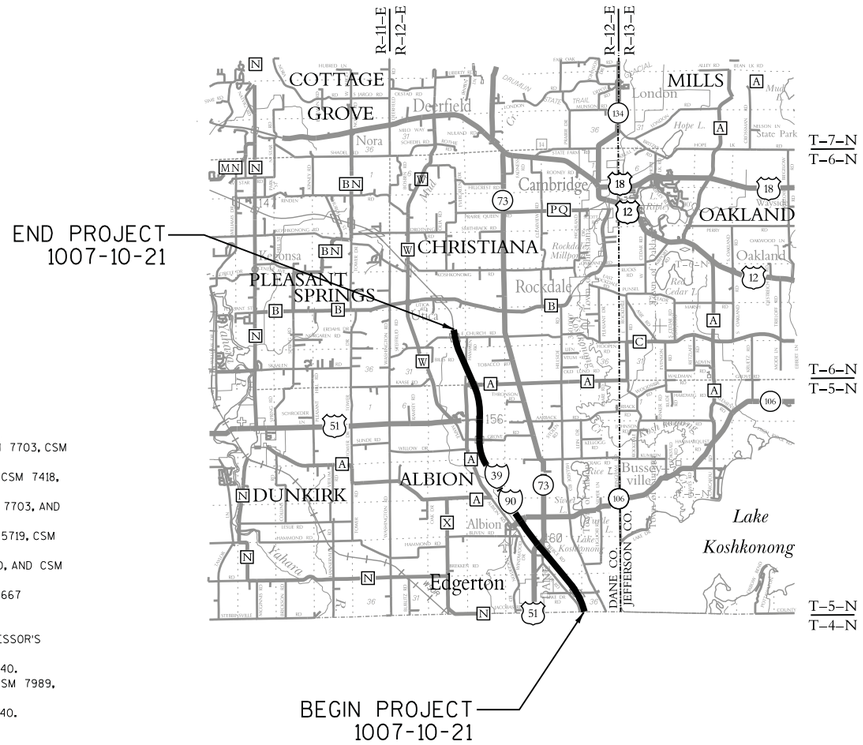


PROJECT 1007-10-21
ILLINOIS STATE LINE - MADISON

SOUTH DANE COUNTY LINE TO EAST CHURCH ROAD

I-39/90

DANE COUNTY



THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR 1007-10-21.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(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 RIGHT-OF-WAY LINES DEPICTED IN 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.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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".

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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: PROJECT I-90-3(29) 140, ASSESSOR'S PLAT OF VILLAGE OF ALBION, CSM 489, CSM 9619, CSM 5733, CSM 6883, CSM 7490, CSM 8753, CSM 7703, CSM 7950, CSM 5363, CSM 5053 AND CSM 9667.
EXISTING HIGHWAY RIGHT-OF-WAY FOR LAKE DRIVE ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29) 140, CSM 7418, AND CSM 9619.
EXISTING HIGHWAY RIGHT-OF-WAY FOR PIERCE ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29) 140, CSM 7703, AND CSM 2552.
EXISTING HIGHWAY RIGHT-OF-WAY FOR GOEDE ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29) 140, CSM 5719, CSM 489, AND CSM 8753.
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 73 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29) 140, CSM 13090, AND CSM 6546.
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 51 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29) 140 AND CSM 9667
EXISTING HIGHWAY RIGHT OF WAY FOR ALBION ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29) 140.
EXISTING HIGHWAY RIGHT OF WAY FOR HAUGAN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29) 140.
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 106 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29) 140 AND ASSESSOR'S PLAT OF VILLAGE OF ALBION.
EXISTING HIGHWAY RIGHT-OF-WAY FOR MAPLE GROVE ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29) 140.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH A ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29) 140, CSM 866, CSM 7989, CSM 5053, AND CSM 7950.
EXISTING HIGHWAY RIGHT-OF-WAY FOR EAST CHURCH ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29) 140.
EXISTING HIGHWAY RIGHT-OF-WAY FOR UNNAMED ROAD ESTABLISHED FROM SURVEYS OF RECORD.
EXISTING HIGHWAY RIGHT-OF-WAY FOR HAMMEN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29) 140.
EXISTING ACCESS CONTROL FOR I-39/90 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.

PARCEL INDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF AQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS.

A **TEMPORARY LIMITED EASEMENT** (TLE) IS A RIGHT FOR CONSTRUCTION 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 NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

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.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	BUILDING	B
ACCESS RIGHTS	AR	REFERENCE LINE	R/L
ACRES	AC.	RELEASE OF RIGHTS	ROR
AND OTHERS	ET.AL.	REMAINING	REM.
CENTERLINE	C/L	RIGHT-OF-WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC.
CORNER	COR.	STATION	STA.
DOCUMENT	DOC.	TEMPORARY LIMITED EASEMENT	TLE
EASEMENT	EASE.	VOLUME	VOL.
HIGHWAY EASEMENT	H.E.	**CURVE DATA**	
LAND CONTRACT	LC	LONG CHORD	LCH
MONUMENT	MON.	LONG CHORD BEARING	LCB
PAGE	P.	RADIUS	R
PERMANENT LIMITED EASEMENT	PLE	DEGREE OF CURVE	D
PROPERTY LINE	PL	CENTRAL ANGLE OR DELTA	Δ
RECORDED AS	(100')	LENGTH OF CURVE	L
DIRECTION AHEAD	DA	TANGENT	T
DIRECTION BACK	DB		
POINT OF TANGENCY	POT		

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	⌀ (1" UNLESS NOTED)	PROPOSED R/W LINE	
R/W MONUMENT	•(SET)	EXISTING H.E. LINE	
R/W STANDARD	▲(SET)	PROPERTY LINE	
SIGN	ISIGN	LOT & TIE LINES	
SECTION CORNER MONUMENT		SLOPE INTERCEPTS	
SECTION CORNER SYMBOL		CORPORATE LIMITS	
FEE (HATCH VARIES)		ACCESS CONTROLLED (BY PREVIOUS ACQUISITION/CONTROL)	
TEMPORARY LIMITED EASEMENT		ACCESS CONTROLLED (BY ACQUISITION)	
PERMANENT LIMITED EASEMENT		ACCESS CONTROLLED (BY STATUTORY AUTHORITY)	
R/W BOUNDARY POINT		SECTION LINE	
PARCEL NUMBER	RWB20	QUARTER LINE	
UTILITY PARCEL NUMBER	102	SIXTEENTH LINE	
SIGN NUMBER (OFF PREMISE)	92 / 21-A	EXISTING CENTERLINE	
BUILDING		PROPOSED REFERENCE LINE	
BRIDGE		PARALLEL OFFSET	
GEODETIC MONUMENT			

CONVENTIONAL UTILITY SYMBOLS

			NON COMPENSABLE	COMPENSABLE
WATER	W	POWER POLE		
GAS	G	TELEPHONE POLE		
TELEPHONE	T	TELEPHONE PEDESTAL		
OVERHEAD TRANSMISSION LINES	OH	ELECTRIC TOWER	⊠	
ELECTRIC	E			
CABLE TELEVISION	TV			
FIBER OPTIC	FO			
SANITARY SEWER	SAN			
STORM SEWER	SS			

PROJECT NUMBER 1007-10-21 - 4.01
SHEET 2 OF 2

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\CADDS\Plan\TPP\040100_rp.dgn PLOT DATE : 2/19/2014 PLOT BY : bjl PLOT NAME : PLOT SCALE : 1:200

1007-10-21-4.01

COMPOSITE DRAWING, ORIGINAL ON FILE AT THE DATE COUNTY RECISTER OF DEEDS OFFICE

UTILITY SCHEDULE & INTERESTS REQUIRED		
UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
241	ROCK ENERGY COOPERATIVE	RELEASE OF RIGHTS

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES

FOUND ALUMINUM MONUMENT
Y = 402,939.411
X = 915,287.223

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS
DOCUMENT #
5109378
11/06/2014 3:14 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-21-4.01
AMENDMENT NO: 1

N89°35'16"E 1236.64' TRAV. PNT. TO TAN.
B-13-700
B-13-701
N89°35'16"E 542.52' TAN. TO MON
N89°31'31"E 618.91' MON. TO TRAV. PNT.
POT STA50+00.00"L"/ 1528+44.05
STA 1528+57.34
50"L"
55"L"
1/4 LINE 45"L"
1/4 LINE
R=N89°21'09"E
LAKE DRIVE RD
S00°38'50"E 8.78' MON TO RL
S00°38'50"E 77.90' MON TO TRAV. PNT.
S00°40'14"E 6.92' TRAV. PNT. TO RL
S89°31'31"W 2027.91' MON. TO TRAV. PNT.
N89°31'31"E 618.91' MON. TO TRAV. PNT.
60+00 1/4 LINE
S00°40'14"E 31.87' RL TO RW
SAME POINT
STA 56+78.06"L"
PI 1522+32.26
Y =402,457.556
X =915,126.129
Δ =24°50'35" LT
D =0°34'41"
T =2182.75'
L =4296.90'
R =9910.00'
DA =N38°35'25"W
PT 1543+46.40
N89°35'16"E 3523.29' MON. TO TRAV. PNT.
N89°35'16"E 1236.64' TRAV. PNT. TO TAN.
40+00 1/4 LINE
PI STA522+32.26
N38°35'25"W 641.48' TO TRAV. PNT.
S00°38'50"E 1042.83' RW TO RW
S17°44'50"E 774.72' TAN. RL TO PI 10 SEC. LINE
SECTION LINE
NW - SW
CALCULATED POSITION
Y = 402983.583
X = 920618.336
FOUND ALUMINUM MONUMENT
Y = 402,901.260
X = 909,984.913
N00°40'14"W 16.09' RL TO TRAV. PNT.
N00°40'14"W 32.83' RW TO RL
EXISTING RL FOR PROJECT I-90-3 (29) 140
TOWN
NE- SE
OF
SE - SE
ALBION
SW - SW
GN
END PROJECT
SHEET LOCATION
BEGIN PROJECT
LOCATION SKETCH NOT TO SCALE

CURVE TABLE				
CURVE NUMBER	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C2	8504.42	244.89	244.88	N17°22'23"W
C3	8509.42	140.48	140.48	N18°40'12"W
C4	8514.42	34.68	34.68	N19°16'22"W
C5	8514.42	194.87	194.87	N20°02'43"W
C6	8489.42	493.98	493.91	N24°00'51"W
C7	8514.42	232.21	232.21	N31°33'59"W
C8	8494.42	107.73	107.73	N33°22'40"W
C9	676.78	284.87	282.77	N19°56'43"W
C10	676.78	96.97	96.89	N36°06'30"W

R/W COURSE TABLE		
142-143	SEE C9 IN CURVE TABLE	
143-144	SEE C10 IN CURVE TABLE	
144-145	N 37°17'02" W	136.98'
102-103	S 40°17'42" E	136.56'
103-104	S 40°17'42" E	181.94'
104-106	SEE C2 IN CURVE TABLE	
106-107	N 73°20'51" E	5.00'
107-108	SEE C3 IN CURVE TABLE	
108-109	N 49°28'36" E	5.37'
109-110	SEE C4 IN CURVE TABLE	
110- IP 151	SEE C5 IN CURVE TABLE	
IP 151-111	N 27°22'02" W	245.53'
	(RECORDED AS S27°50'00"E)	
111-112	SEE C6 IN CURVE TABLE	
112-113	N 19°08'47" W	110.95'
113-114	N 28°48'46" W	594.06'
114-115	N 14°06'54" W	55.19'
115-116	SEE C7 IN CURVE TABLE	
116-117	N 44°06'26" W	100.95'
117-118	SEE C8 IN CURVE TABLE	
118-119	S 89°57'34" W	277.59'
119-120	N 83°44'15" W	79.58'
120-121	S 89°19'46" W	176.05'
121-122	N 84°57'14" W	301.50'
122-123	N 00°40'14" W	6.98'
131-132	S 00°40'14" E	17.00'
132-133	S 89°19'46" W	400.00'
133-134	S 84°06'36" W	219.85'
134-135	S 89°19'46" W	354.87'
135-136	S 80°59'54" W	117.38'
136-137	S 27°12'57" E	831.82'
137-138	S 20°00'28" E	298.53'
138-139	S 20°00'28" E	462.10'
139-140	S 18°24'21" E	785.00'
140-141	S 10°46'05" E	356.56'

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, AND CSM 489.
EXISTING HIGHWAY RIGHT OF WAY FOR GOEDE ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 5719, AND CSM 489.
EXISTING HIGHWAY RIGHT OF WAY FOR LAKE DRIVE RD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29) 140.

EXISTING ACCESS CONTROL ESTABLISHED FROM PREVIOUS RIGHT OF WAY 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.

TLE STATION & OFFSET TABLE		
T160	1508+05.70	164.84'
T161	1508+07.81	159.90'

R/W STATION & OFFSET TABLE					
102	1506+00.30	287.17'	121	41+98.95 "L"	69.73'
103	1504+71.93	232.21'	122	38+98.94 "L"	39.82'
104	1503+03.18	156.49'	123	38+98.93"L"	32.83'
106	1505+52.00	162.64'	131	62+96.98"L"	31.87
107	1505+52.00	157.64'	132	62+96.98"L"	48.87
108	1506+94.72	161.57'	133	58+96.98"L"	49.03
109	1506+96.86	156.63'	134	56+78.06"L"	69.12
110	1507+32.09	157.65'	135	53+23.18"L"	69.26'
IP 151	1509+30.08	163.70'	136	1526+70.00	140.00'
111	1511+77.85	197.08'	137	1518+50.00	150.00'
112	1516+81.95	216.79'	138	1515+56.15	132.81'
113	1517+95.00	208.34'	139	1511+00.00	123.68
114	1524+02.00	241.71'	140	1503+25.00	135.00'
115	1524+57.00	228.93'	141	1499+72.64	112.59'
116	1526+94.49	241.95'	142	1500+58.48	238.98'
117	1527+94.68	267.70'	143	1503+47.39	265.15'
118	1529+05.23	274.16'	144	1504+40.88	298.88'
119	44+54.00 "L"	79.23'	145	1505+73.17	347.72'
120	43+75.00 "L"	69.66'			

EXISTING IRON PIPES		
PT #	Y	X
IP 150	401014.378	915285.724
IP 151	401129.403	915242.952
IP 152	401187.441	915213.805
IP 153	401325.662	915141.699
IP 154	401347.630	915130.505
IP 155	401423.855	915098.742

241 ROCK ENERGY COOPERATIVE
VOL. 18728, PG. 16-17, DOC. 2348518 - PARCEL 2
VOL. 18728, PG. 18-19, DOC. 2348519 - PARCEL 6

IP 154 IS N67°39'10"E, 0.46' FROM POINT 111
IP 150 IS S29°23'13"E, 2.36' FROM POINT T161
TLE - GRADING 0.013 ACRES
LOT 1 CSM 489 VOL. 2 PG. 296 DOC. 1283831
LOT 2 CSM 489 VOL. 2 PG. 296 DOC. 1283831
LOT 3 CSM 489 VOL. 2 PG. 296 DOC. 1283831
LOT 2 CSM 5719 VOL. 27 PG. 17-18 DOC. 2121019
N49°42'18"E 66.00' RW TO RW
N00°38'50"W 125.80' RW TO RW
N00°38'50"W 1042.83' MON TO RW
N00°38'50"W 74.89' TAN TO RW
N00°38'50"W 797.58' RW TO TAN
STA 1512+09.01
S13°44'50"E 1448.02' TAN. RL TO PC SEC LINE
PC STA1500+49.51
S13°44'50"E 49.45' PC TO TRAV. PNT.
FOUND ALUMINUM MONUMENT
Y = 400,291.736
X = 917,965.375
FOUND ALUMINUM MONUMENT
Y = 400,288.944
X = 915,317.169
SECTION LINE
STA 1500+00.06
DANE COUNTY
ROCK COUNTY
SCALE, FEET
0 100 200
N89°56'23"E 93.45' MON. TO RW
S89°56'23"W 245.97' RL TO RW
S89°56'23"W 115.88' RW TO RL
S89°56'23"W 2192.91' MON. TO RW

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 INTERSTS TO THE DEPARTMENT.						
PARCEL NUMBER	OWNERS(S)	INTEREST REQUIRED	R/W ACRES REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
1	STEVEN R. DRAYS AND SUSAN M. DRAYS	FEE/TLE	0.075	0.288	0.363	0.013
2	ROGER ROENNEBURG	FEE	1.504	---	1.504	---
3	CRAZY ACRES, INC.	FEE	1.150	---	1.150	---
4	DANE COUNTY GROWERS	FEE	0.138	---	0.138	---
6	ALBERT J. FRYE AND MARGARET FRYE	FEE	0.078	---	0.078	---
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED						

TRANSPORTATION PROJECT PLAT NO: 1007-10-21 - 4.01 AMENDMENT NO: 1

AMENDMENT CORRECTS TOTAL ACRES FOR PARCEL 1 IN THE SCHEDULE OF LANDS & INTERESTS OF TPP 1007-10-21-4.01 RECORDED AS DOCUMENT NUMBER 5054949.
THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 AND THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 35. ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 36. ALL BEING LOCATED IN T 5 N, R 12 E, TOWN OF ALBION, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE - MADISON (SOUTH DANE COUNTY LINE TO EAST CHURCH ROAD)

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.

emcs inc

I, KEVIN C. BOYER, 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 DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-21-4.01 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

(SIGNATURE) Kevin C. Boyer DATE 11/5/2014
(PRINTED NAME) KEVIN C. BOYER
(REGISTRATION NUMBER) S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION OFFICE.

(SIGNATURE) David R. Miller DATE 11/05/14
(PRINTED NAME) DAVID R. MILLER

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5054949 FOR ADDITIONAL INFORMATION.

143

1007-10-21-4.01 AMENDMENT NO: 1
PLOT SCALE : 1:100
PLOT NAME :
PLOT BY : kcb
PLOT DATE : $DATE$
FILE NAME : $FILE$
APPRAISAL PLAT DATE : 11/5/2014

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

TRANSPORTATION PROJECT PLAT NO: 1007-10-21 - 4.02 AMENDMENT NO: 1

AMENDMENT ADDS AN ACCESS EASEMENT TO PARCEL 11, REMOVES UTILITY PARCEL 251 AND REVISES UTILITY NUMBERS 221 AND 250 OF TRANSPORTATION PROJECT PLAT 1007-10-21-4.02 RECORDED AS DOCUMENT NUMBER 5059301.

THAT PART OF LOT 1 OF CSM 9619 LOCATED IN THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 35. ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 35. ALL BEING LOCATED IN T 5 N, R 12 E, TOWN OF ALBION, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE - MADISON (SOUTH DANE COUNTY LINE TO EAST CHURCH ROAD)

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.

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 LAKE DRIVE RD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29) 140, CSM 7418, AND CSM 9619

EXISTING ACCESS CONTROL ESTABLISHED FROM PREVIOUS RIGHT OF WAY 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.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5077879
06/19/2014 09:27 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-21-4.02
AMENDMENT NO: 1

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 INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
9	ROBERT JOSEPH HICKS AND CONNIE MAE HICKS	FEE	0.050	---	0.050	---
11	EASTMAN HUNTING CLUB, INC.	FEE/TLE	0.758	---	0.758	0.516

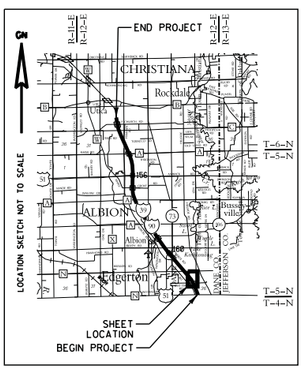
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
202	WISCONSIN POWER AND LIGHT COMPANY, LLC (ELECTRIC)	RELEASE OF RIGHTS
221	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS
250	CELLCO PARTNERSHIP	RELEASE OF RIGHTS

EXISTING IRON PIPES

PT #	Y	X
IP 250	403221.609	914063.506
IP 251	403792.453	913634.400
IP 252	404129.521	913419.701



TLE STATION & OFFSET TABLE

T260	1530+81.00	123.62'
T261	1530+29.00	206.00'
T266	1530+08.00	194.00'
T262	1530+09.00	159.00'
T263	1528+99.00	155.00'
T264	1528+65.00	177.00'
T265	55+84.82"L"	103.82'
T267	55+84.52"L"	70.84'

R/W STATION & OFFSET TABLE

203	38+98.91"L"	33.18'
204	38+98.91"L"	40.18'
205	41+99.00"L"	80.29'
206	43+75.00"L"	80.36'
207	1531+32.00	292.92'
IP 250	1533+92.36	309.53'
208	1541+30.26	330.60'
209	1545+34.89	291.12'
210	1546+77.82	286.89'
213	1543+31.67	153.46'
214	1541+00.00	144.11'
215	1538+50.00	149.05'
216	1528+62.00	127.45'
217	53+71.00"L"	77.04'
218	53+93.27"L"	70.77'
219	56+78.11"L"	70.88'
220	58+96.94"L"	50.97'
221	62+96.94"L"	51.13'
222	62+96.95"L"	34.13'

R/W COURSE TABLE

203-204	N 00°40'14" W	7.00'
204-205	N 81°44'27" E	302.76'
205-206	N 89°19'46" E	176.00'
206-207	N 84°48'00" E	230.07'
207-IP 250	SEE CURVE DATA ON SHEET	
IP 250-208	N 36°53'48" W	714.18'
208-209	N 32°35'28" W	399.59'
209-210	N 36°53'48" W	142.99'
213-214	SEE CURVE DATA ON SHEET	
214-215	S 37°33'27" E	253.74'
215-216	S 31°37'49" E	1001.60'
216-217	N 89°35'16" E	268.71'
217-218	S 74°54'18" E	23.14'
218-219	N 89°19'46" E	284.84'
219-220	S 85°26'54" E	219.73'
220-221	N 89°19'46" E	400.00'
221-222	S 00°40'14" E	17.00'

202 WISCONSIN POWER AND LIGHT COMPANY (ELECTRIC)
NO EASEMENT OF RECORD - PARCEL 11

221 FRONTIER COMMUNICATIONS OF WI LLC
VOL. 12691, PG. 76, DOC. 2135087 - PARCEL 11

250 CELLCO PARTNERSHIP
DOC. 3029163 - PARCEL 11

N89°35'54"E 365.01' RW TO RL

N89°35'54"E 195.23' RL TO RW

1/16 LINE STA 1544+52.15

RL=N38°35'25" W

105.75'

R =11559.19
L =235.34
CB =S35°33'30"E
CL =235.33

PI 1522+32.26
Y =402,457.556
X =915,126.129
Δ =24°50'35" LT
D =0°34'41"
T =2182.75'
L =4296.90'
R =9910.00'
DB =S13°44'50"E
PC 1500+49.51

IP 252 0.75" IRON ROD

IP 252 IS N53°06'12"E, 0.21' FROM POINT 209

IP 251 0.75" IRON ROD

IP 251 IS N53°06'12"E, 0.46' FROM POINT 208

PT STA1543+46.40

STA 1540+45.10

STA 43+48.54"L"

FOUND ALUMINUM MONUMENT
Y = 402,939.411
X = 915,287.223

T 05 N R 12 E Sec 35 36

SECTION LINE

LOT 1
CSM 7418
VOL. 38
PG. 124-125
DOC. 2592336

S00°40'14"E 27.21' RW TO TRAV. PNT.

55"L" 1/4 LINE

N00°35'43"W 62.10' MON TO RW

60+00

S89°35'16"W 542.52' MON. TO TAN.

S89°31'31"W 618.91' TRAV. PNT. TO MON.

S89°31'31"W 2027.91' MON. TO TRAV. PNT.

CALCULATED POSITION
Y = 402983.583
X = 920618.336

T 05 N R 12 E Sec 36 31 R 13 E

TOWN

SW - NE

SE - NE

OF

ALBION

LOT 1
CSM 9619
VOL.55
PG.156-159
DOC.3196520
TRANS 233
RESTICTIONS APPLY
DOT 13-0I90-242-00-0
FEBUARY 28, 2000

LOT 1
CSM 9619
VOL.55 PG.156-159
DOC.3196520
TRANS 233
RESTICTIONS APPLY
DOT 13-0I90-242-00-0
FEBUARY 28, 2000

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

TAN. RL N38°35'25"W 1511.21' TRAV. PNT. 10.64' RT

SAME POINT

20' UTILITY AND INGRESS/EGRESS EASEMENT
CELLCO PARTNERSHIP
DOC. 3029163

N00°40'14"W 17.10' TRAV. PNT. TO RW

R =8489.42'
L =253.03'
CB =N36°05'10"W
CL =253.02

IP 250 0.75" IRON ROD

0.75" IRON ROD 1.25" IP

B-13-701

B-13-700

TLE - GRADING
0.516 ACRES

STA 1528+57.34

POT STA50+00.00"L"/ 1528+44.05

38+48 40"L" 1/4 LINE 45"L" 50"L" 55"L"

LAKE DRIVE RD

R =N89°21'09"E

S89°35'16"W 542.52' MON. TO TAN.

N89°35'16"E 3523.29' MON. TO TRAV. PNT.

S89°35'16"W 1236.64' TAN. TO TRAV. PNT.

TAN. RL S38°35'25"E 611.48' TRAV. PNT. TO PI STA 1522+32.26

T 05 N R 12 E Sec 34 35

FOUND ALUMINUM MONUMENT
Y = 402,901.260
X = 909,984.913

GN

SCALE, FEET
0 100 200

I, KEVIN C. BOYER, REGISTERED 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 DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-21-4.02 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

(SIGNATURE) Kevin C. Boyer DATE 6/17/2014
(PRINTED NAME) KEVIN C. BOYER
(REGISTRATION NUMBER) S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION OFFICE.

(SIGNATURE) David R. Miller DATE 6/18/2014
(PRINTED NAME) DAVID R. MILLER

emcs inc

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5054949 FOR ADDITIONAL INFORMATION.

144

1007-10-21-4.02 AMENDMENT NO: 1
PLOT SCALE : 1:100
PLOT NAME :
PLOT BY : bjl
PLOT DATE : $DATE$
FILE NAME : $FILE$
APPRAISAL PLAT DATE : 06/17/2014

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

4

TRANSPORTATION PROJECT PLAT NO: 1007-10-21 - 4.03

I-39/90 ILLINOIS STATE LINE - MADISON SOUTH DANE COUNTY LINE - EAST CHURCH ROAD

THAT PART OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 AND THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 35. ALL BEING LOCATED IN T 5 N, R 12 E, TOWN OF ALBION, DANE COUNTY, WISCONSIN.

THE STATE OF WISCONSIN HAS DEEMED IT NECESSARY TO MONUMENT RIGHT-OF-WAY INTERESTS PREVIOUSLY ACQUIRED UNDER SECTIONS 82.01, 82.31(1), 82.31(2), AND 84.09 OF THE WISCONSIN STATE STATUTES AND DOES HEREBY CERTIFY THE DEPARTMENT OF TRANSPORTATION HAS SURVEYED THE HIGHWAY RIGHT-OF-WAY; THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE EXTERIOR BOUNDARIES OF THE LAND SURVEYED AND SHOWS ACCURATE MEASUREMENTS THEREOF.

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 ACCESS CONTROL ESTABLISHED FROM PREVIOUS RIGHT OF WAY 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.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5059303
03/20/2014 09:10 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-21-4.03
AMENDMENT NO:

1007-10-21-4.03

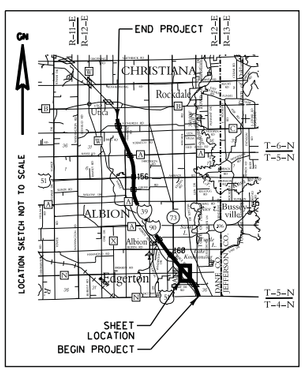
R/W STATION & OFFSET TABLE		
302	1546+77.82	286.89'
303	1552+37.52	270.34'
304	1558+47.21	276.95'
305	1563+51.96	282.42'
309	1560+33.17	122.61'
310	1560+29.49	122.72'
311	1558+29.89	138.80'
312	1551+76.73	158.66'
313	1543+31.67	153.46'

R/W COURSE TABLE		
309-310	S 40°19'57" E	3.68'
310-311	S 43°11'41" E	200.25'
311-312	S 40°19'57" E	653.46'
312-313	SEE CURVE DATA ON SHEET	
302-303	N 36°53'48" W (RECORDED AS S37° 17'03"E)	559.94'
303-304	N 39°12'39" W (RECORDED AS S38° 54'02"E)	609.73'
304-305	N 39°12'39" W	504.78'

EXISTING IRON PIPES		
PT #	Y	X
IP 350	404414.943	913205.442
IP 351	404415.513	913206.987
IP 352	404692.651	912998.979
IP 353	404983.824	912761.767
IP 354	405555.369	912296.010

GN

SCALE, FEET
0 100 200



TOWN

FOUND 3" IRON PIPE
Y = 405,557.191
X = 912,609.212

FOUND ALUMINUM MONUMENT
Y = 405,575.279
X = 915,259.842

N89°37'10"E 2334.50' MON. TO RW

N89°37'10"E 316.28' RW TO MON.

N89°36'32"E 43.14' MON. TO RL

N89°36'32"E 156.02' RL TO RW

S89°36'32"W 2451.54' MON TO RW

SECTION LINE

SECTION LINE STA 1561+29.65

IP 354 IS N84°49'25"E, 3.08' FROM POINT 305

FOUND CONCRETE MONUMENT
Y = 405,539.591
X = 909,958.490

LOT 1 CSM 6883 VOL.34 PG.188-190 DOC.2397269

N00°24'48"W 393.22' RW TO MON.

LOT 2 CSM 6883 VOL.34 PG.188-190 DOC.2397269

NE - NW

NW - NE

OF

ALBION

1/16 LINE

1/4 LINE

N00°24'48"W 4890.46' MON. TO RW

LOT 1 CSM 5733 VOL. 27 PG. 47-49 DOC. 2124187

IP 352 IS N53°06'12"E, 1.84' FROM POINT 303

IP 350 1.25"IP

IP 351 0.75" IRON ROD

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

I-39/90 RL=N8°55'56"E

R =11559.19'
L =845.49'
CB =S38°14'13"E
CL =845.30'

FOUND CONCRETE MONUMENT
Y = 400,273.643
X = 912,647.340

LOT 1 CSM 9619 VOL.55 PG.156-159 DOC.3196520

GOEDE ROAD

STA 1544+52.15

S89°35'54"W 365.01' RL TO RW

S89°35'54"W 195.23' RW TO RL

I, KEVIN C. BOYER, REGISTERED 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 DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-21-4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

(SIGNATURE) Kevin C. Boyer DATE 3/12/2014
(PRINTED NAME) KEVIN C. BOYER
(REGISTRATION NUMBER) S-2675

THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION OFFICE

(SIGNATURE) DATE 3/12/14
(PRINTED NAME) Jennifer Queram

emcs inc

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5054949 FOR ADDITIONAL INFORMATION.

145

4

PLOT SCALE : 1:100
PLOT NAME :
PLOT BY : bjl
PLOT DATE : $DATE$
FILE NAME : $FILE$
APPRAISAL PLAT DATE : 03/12/2014

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

TRANSPORTATION PROJECT PLAT NO: 1007-10-21 - 4.04

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, AND THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 26, ALL BEING LOCATED IN T 5 N, R 12 E, TOWN OF ALBION, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE - MADISON (SOUTH DANE COUNTY LINE TO EAST CHURCH ROAD)

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.

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 AND CSM 7490.

EXISTING ACCESS CONTROL ESTABLISHED FROM PREVIOUS RIGHT OF WAY 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.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5059304
03/20/2014 09:13 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-21-4.04
AMENDMENT NO:

1007-10-21-4.04

PLOT SCALE : 1:100

PLOT NAME :

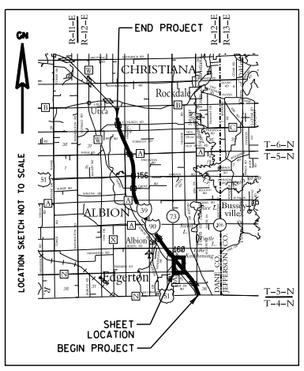
PLOT BY : bjl

PLOT DATE : $DATE$

FILE NAME : $FILE$
APPRAISAL PLAT DATE : 02/25/2014

EXISTING IRON PIPES

PT #	Y	X
IP 450	405555.369	912296.010
IP 451	406699.698	911439.900



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 INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL
11	EASTMAN HUNTING CLUB, INC.	FEE	2.275	---	2.275

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

(200) AMERICAN TRANSMISSION COMPANY, LLC
DOC. 4460612 - PARCEL 11

R/W COURSE TABLE

404-405	N 36°53'48" W	1232.06'
405-IP 451	N 35°26'05" W	195.51'
IP 451-406	SEE CURVE DATA ON SHEET	
409-410	S 40°38'08" E	320.93'
410-411	S 39°22'30" E	1602.64'
411-412	S 35°31'29" E	139.45'
412-413	S 35°31'29" E	261.12'
413-414	S 40°19'57" E	66.86'

N00°41'53"E 188.97' TAN. TO RW

STA 1582+76.14

1/16 LINE

TOWN

NE- SW

PI STA 1579+14.86
Y =406,952.851
X =911,538.831
Δ =01°45'00" LT
D =00°08'36"
T =610.91'
L =1221.73'
R =40,000.00'
DA =N40°20'25"W
PT 1585+25.68

FOUND CONCRETE MONUMENT
Y = 410,826.575
X = 912,691.852

N00°41'53"E 345.46' RW TO TAN.

1/16 LINE
STA 1578+15.66

I-39/90

R =22803.33'
L =230.95'
CB =N 37°14'40" W
CL =230.94'

LOT 2
CSM 7490
VOL. 38
PG. 314-316
DOC. 2610686

IP 451

PC STA 1570+02.95

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

RL-N38°35'25"W

S00°53'55"W 5005.16' MON. TO RW

GN

SCALE, FEET
0 100 200

OF

SE - SW

SW - SE

1/4 LINE

STA 1561+97.47

N38°35'25"W 67.82' TRAV. PNT. TO 1/4 LINE

S00°53'55"W 211.57' RW TO RL

S00°53'55"W 53.31' RL TO MON.

ALBION

N89°37'10"E 2334.50' MON. TO RW

FOUND CONCRETE MONUMENT
Y = 405,539.591
X = 909,958.490

P.L. SECTION LINE

STA 1561+29.65

IP 450 IS N84°49'25"E, 3.08' FROM POINT 404

S89°37'10"W 316.28' MON. TO RW

S89°36'32"W 2451.54' MON. TO RW

S89°36'32"W 156.02' RW TO RL

S89°36'32"W 43.14' RL TO MON.

FOUND ALUMINUM MONUMENT
Y = 405,575.279
X = 915,259.842

FOUND 3" IRON PIPE
Y = 405,557.191
X = 912,609.212

R/W STATION & OFFSET TABLE

404	1563+51.96	282.42'
405	1575+85.21	245.02'
IP 451	1577+81.49	232.41'
406	1580+13.59	223.56'
409	1584+19.90	124.21'
410	1581+00.00	128.00'
411	1565+00.00	142.00'
412	1563+60.75	134.54'
413	1561+00.00	120.58'
414	1560+33.17	122.61'

I, KEVIN C. BOYER, REGISTERED 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 DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-21-4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

(SIGNATURE) Kevin C. Boyer DATE 2/25/2014
(PRINTED NAME) KEVIN C. BOYER
(REGISTRATION NUMBER) S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION OFFICE.

(SIGNATURE) DATE 3/17/14
(PRINTED NAME) Jennifer Queram

emcs inc

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5054949 FOR ADDITIONAL INFORMATION.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5093305
08/22/2014 09:54 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-21-4.05
AMENDMENT NO: 2

TRANSPORTATION PROJECT PLAT NO: 1007-10-21 - 4.05 AMENDMENT NO: 2

AMENDS UTILITY NUMBERS 221 AND 241 OF TPP 1007-10-21-4.05 RECORDED AS DOCUMENT 5059305.

THAT PART OF LOT 2 OF C.S.M. NO. 7490 AND PART OF LOTS 1 & 2 OF C.S.M. NO. 8753, LOCATED IN THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 26. ALSO THAT PART OF LOT 1 OF C.S.M. NO. 7703 LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 26. ALSO THAT PART OF VACATED GOEDE ROAD LOCATED IN THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 26. ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 26. ALL BEING LOCATED IN T 5 N, R 12 E, TOWN OF ALBION, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE - MADISON (SOUTH DANE COUNTY LINE TO EAST CHURCH ROAD)

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.

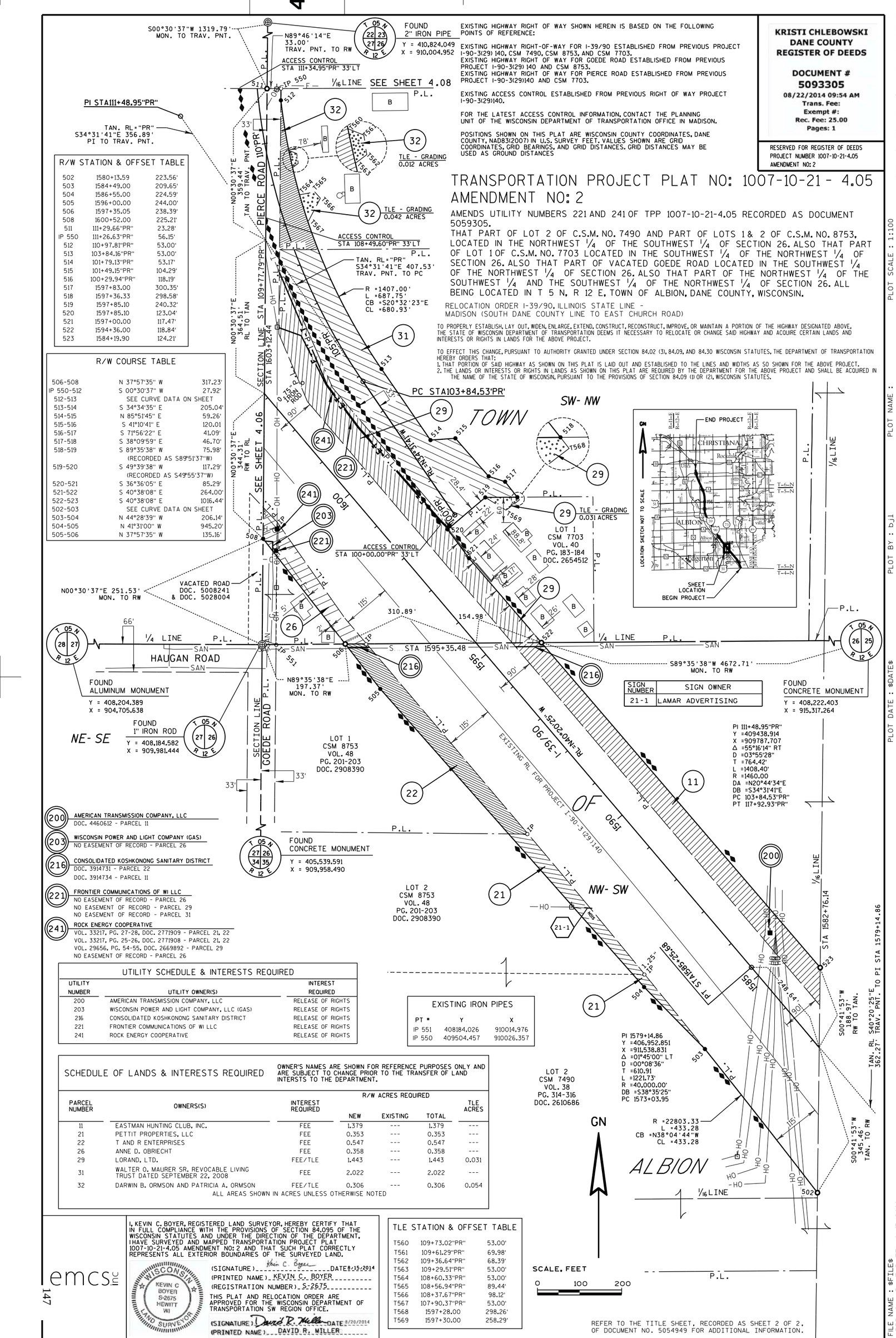
EXISTING HIGHWAY RIGHT OF WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR I-39/90 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 7490, CSM 8753, AND CSM 7703.
EXISTING HIGHWAY RIGHT OF WAY FOR GOEDE ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND CSM 8753.
EXISTING HIGHWAY RIGHT OF WAY FOR PIERCE ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND CSM 7703.

EXISTING ACCESS CONTROL ESTABLISHED FROM PREVIOUS RIGHT OF WAY 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.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES



R/W STATION & OFFSET TABLE

502	1580+13.59	223.56'
503	1584+49.00	209.65'
504	1586+55.00	224.59'
505	1596+00.00	244.00'
506	1597+35.05	238.39'
508	1600+52.00	225.21'
511	111+29.66"PR"	23.28'
IP 550	111+26.63"PR"	56.15'
512	110+97.81"PR"	53.00'
513	103+84.16"PR"	53.00'
514	101+79.13"PR"	53.17'
515	101+49.15"PR"	104.29'
516	100+29.94"PR"	118.19'
517	1597+83.00	300.35'
518	1597+36.33	298.58'
519	1597+85.10	240.32'
520	1597+85.10	123.04'
521	1597+00.00	117.47'
522	1594+36.00	118.84'
523	1584+19.90	124.21'

R/W COURSE TABLE

506-508	N 37°57'35" W	317.23'
IP 550-512	S 00°30'37" W	27.92'
512-513	SEE CURVE DATA ON SHEET	
513-514	S 34°34'35" E	205.04'
514-515	N 85°51'45" E	59.26'
515-516	S 41°10'41" E	120.01
516-517	S 71°56'22" E	41.09'
517-518	S 38°09'59" E	46.70'
518-519	S 89°35'38" W	75.98'
	(RECORDED AS S89°51'37"W)	
519-520	S 49°39'38" W	117.29'
	(RECORDED AS S49°55'37"W)	
520-521	S 36°36'05" E	85.29'
521-522	S 40°38'08" E	264.00'
522-523	S 40°38'08" E	1016.44'
502-503	SEE CURVE DATA ON SHEET	
503-504	N 44°28'39" W	206.14'
504-505	N 41°31'00" W	945.20'
505-506	N 37°57'35" W	135.16'

SIGN NUMBER	SIGN OWNER
21-1	LAMAR ADVERTISING

200 AMERICAN TRANSMISSION COMPANY, LLC
DOC. 4460612 - PARCEL 11

203 WISCONSIN POWER AND LIGHT COMPANY (GAS)
NO EASEMENT OF RECORD - PARCEL 26

216 CONSOLIDATED KOSHKONONG SANITARY DISTRICT
DOC. 3914731 - PARCEL 22
DOC. 3914734 - PARCEL 11

221 FRONTIER COMMUNICATIONS OF WI LLC
NO EASEMENT OF RECORD - PARCEL 26
NO EASEMENT OF RECORD - PARCEL 29
NO EASEMENT OF RECORD - PARCEL 31

241 ROCK ENERGY COOPERATIVE
VOL. 33217, PG. 27-28, DOC. 2771909 - PARCEL 21, 22
VOL. 33217, PG. 25-26, DOC. 2771908 - PARCEL 21, 22
VOL. 29656, PG. 54-55, DOC. 2669892 - PARCEL 29
NO EASEMENT OF RECORD - PARCEL 26

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS
203	WISCONSIN POWER AND LIGHT COMPANY, LLC (GAS)	RELEASE OF RIGHTS
216	CONSOLIDATED KOSHKONONG SANITARY DISTRICT	RELEASE OF RIGHTS
221	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS
241	ROCK ENERGY COOPERATIVE	RELEASE OF RIGHTS

EXISTING IRON PIPES

PT #	Y	X
IP 551	408184.026	910014.976
IP 550	409504.457	910026.357

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 INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
11	EASTMAN HUNTING CLUB, INC.	FEE	1.379	---	1.379	---
21	PETTIT PROPERTIES, LLC	FEE	0.353	---	0.353	---
22	T AND R ENTERPRISES	FEE	0.547	---	0.547	---
26	ANNE D. OBRIECHT	FEE	0.358	---	0.358	---
29	LORAND, LTD.	FEE/TLE	1.443	---	1.443	0.031
31	WALTER O. MAURER SR. REVOCABLE LIVING TRUST DATED SEPTEMBER 22, 2008	FEE	2.022	---	2.022	---
32	DARWIN B. ORMSON AND PATRICIA A. ORMSON	FEE/TLE	0.306	---	0.306	0.054

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

TLE STATION & OFFSET TABLE

T560	109+73.02"PR"	53.00'
T561	109+61.29"PR"	69.98'
T562	109+36.64"PR"	68.39'
T563	109+29.51"PR"	53.00'
T564	108+60.33"PR"	53.00'
T565	108+56.94"PR"	89.44'
T566	108+37.67"PR"	98.12'
T567	107+90.37"PR"	53.00'
T568	1597+28.00	298.26'
T569	1597+30.00	258.29'

I, KEVIN C. BOYER, REGISTERED 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 DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-21-4.05 AMENDMENT NO: 2 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Kevin C. Boyer DATE 8/15/2014
(PRINTED NAME) KEVIN C. BOYER
(REGISTRATION NUMBER) S-2575

WISCONSIN KEVIN C BOYER S-2575 HEWITT WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION OFFICE.

(SIGNATURE) David R. Miller DATE 8/20/2014
(PRINTED NAME) DAVID R. MILLER

emcs inc

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5054949 FOR ADDITIONAL INFORMATION.

4

1007-10-21-4.05 AMENDMENT NO: 2
PLOT SCALE : 1:1100
PLOT NAME :
PLOT BY : bjl
PLOT DATE : $DATE$
FILE NAME : $FILE$
APPRAISAL PLAT DATE : 8/15/2014

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

TRANSPORTATION PROJECT PLAT NO: 1007-10-21 - 4.06
AMENDMENT NO: 1

AMENDS UTILITY NUMBER 241 AND REMOVES UTILITY NUMBER 202 OF TPP 1007-10-21-4.06 RECORDED AS DOCUMENT 5059306.

THAT PART OF VACATED GOEDE ROAD LOCATED IN THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 27. ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 AND THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 27. ALL BEING LOCATED IN T 5 N, R 12 E, TOWN OF ALBION, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE - MADISON (SOUTH DANE COUNTY LINE TO EAST CHURCH ROAD)

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.

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 STH 73 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING HIGHWAY RIGHT OF WAY FOR USH 51 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING HIGHWAY RIGHT OF WAY FOR ALBION ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140
EXISTING HIGHWAY RIGHT OF WAY FOR HAUGAN ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140
EXISTING HIGHWAY RIGHT-OF-WAY FOR GOEDE ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29) 140.
EXISTING HIGHWAY RIGHT OF WAY FOR PIERCE ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING ACCESS CONTROL ESTABLISHED FROM PREVIOUS RIGHT OF WAY 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.

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 INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL
27	WILLIAM E. GRIDLEY AND VICKY L. GRIDLEY	FEE	0.424	---	0.424
28	TRUCK STOP, LLC	FEE	5.857	---	5.857
36	JEROME A. SHINKAY AND ARDYS A. SHINKAY REVOCABLE TRUST AND KEITH E. HOLDEN	FEE	0.215	---	0.215

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

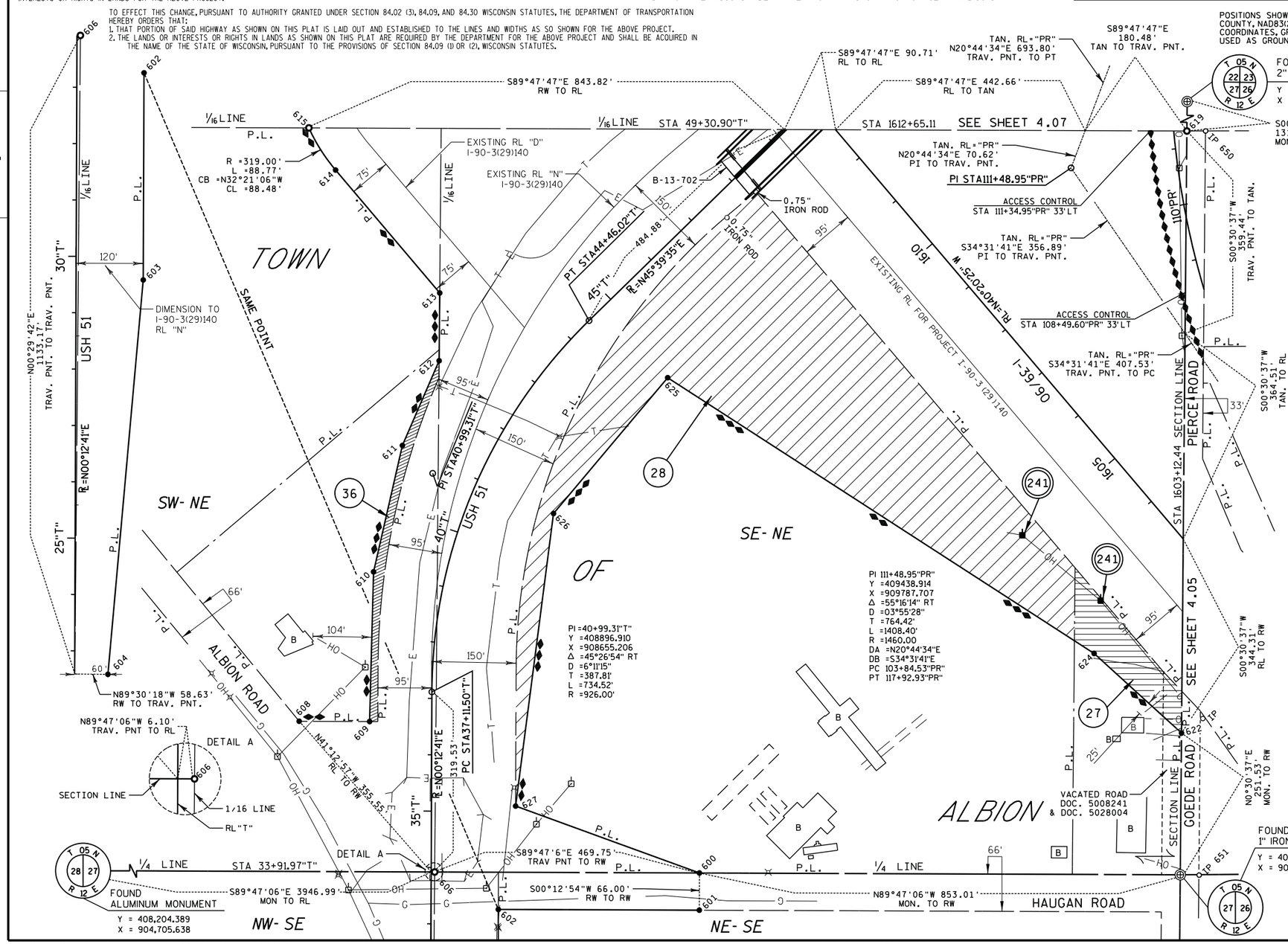
KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5089315
08/05/2014 12:20 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-21-4.06
AMENDMENT NO: 1

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.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN U.S. SURVEY FEET, VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES

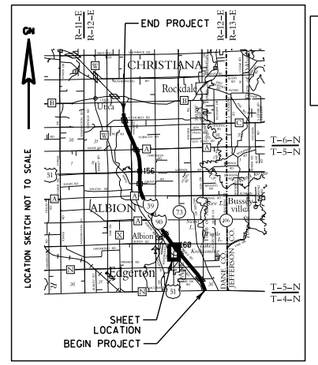


UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
221	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS
241	ROCK ENERGY COOPERATIVE	RELEASE OF RIGHTS

(221) FRONTIER COMMUNICATIONS OF WI LLC
VOL. 9862, PG. 56, DOC. 2011857 - PARCEL 28

(241) ROCK ENERGY COOPERATIVE
VOL. 33089, PG. 37, DOC. 2768195 - PARCEL 27
NO EASEMENT OF RECORD - PARCEL 28



EXISTING IRON PIPES

PT #	Y	X
IP 650	409504.457	910026.357
IP 651	408184.026	910014.976

GN

SCALE, FEET
0 100 200

R/W COURSE TABLE

600-601	S 00°12'54" W	66.00'
601-602	N 89°47'06" W	356.61'
602-603	S 00°13'03" W	367.44'
603-604	S 05°07'00" W	702.57'
608-609	S 89°46'57" E	124.95'
609-610	N 01°30'37" E	265.70'
610-611	N 12°51'14" E	229.99'
611-612	N 23°26'40" E	163.84'
612-613	N 00°30'05" E	120.28'
613-614	N 40°16'12" W	285.89'
614-615	SEE CURVE DATA ON SHEET	
622-624	N 47°40'46" W	209.72'
624-625	N 57°06'14" W	900.97'
625-626	S 40°03'13" W	314.85'
626-627	S 07°22'43" W	523.40'
627-600	S 69°59'24" E	347.11'

R/W STATION & OFFSET TABLE

600	33+91.94"T"	475.85'
601	33+25.94"T"	475.84'
602	33+25.96"T"	119.24'
603	29+58.52"T"	119.20'
604	22+58.52"T"	59.12'
606	33+91.97"T"	6.10'
608	36+58.55"T"	235.25'
609	36+58.54"T"	110.30'
610	39+00.00"T"	126.00'
611	41+00.00"T"	147.00'
612	42+40.00"T"	161.71'
613	43+21.40"T"	230.64'
614	43+59.01"T"	511.69'
615	43+75.08"T"	596.37'
619	1608+60.05	473.53'
622	1600+52.00	225.21'
624	1602+60.00	252.00'
625	44+75.00"T"	170.00'
626	41+00.00"T"	147.00'
627	35+09.51"T"	149.26'

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5054949 FOR ADDITIONAL INFORMATION.

emcs inc

I, KEVIN C. BOYER, REGISTERED 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 DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-21-4.06 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Kevin C. Boyer DATE 7/30/2014
(PRINTED NAME) KEVIN C. BOYER
(REGISTRATION NUMBER) S-2675

KEVIN C BOYER S-2675 HEWITT WI — WISCONSIN — LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION OFFICE.

(SIGNATURE) David R. Miller DATE 7/31/2014
(PRINTED NAME) DAVID R

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\CADDS\Plan\tpp\040106_A1_rp.dgn
APPRAISAL PLAT DATE : 7/30/2014
PLOT DATE : 7/30/2014
PLOT BY : bjl
PLOT NAME :
PLOT SCALE : 1:100

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 INTERSTS TO THE DEPARTMENT.		
PARCEL NUMBER	OWNERS(S)	INTEREST REQUIRED	R/W ACRES REQUIRED		
			NEW	EXISTING	TOTAL
37	HENRY B. BRATLAND SR., AND RITA R. BRATLAND	FEE	4.490	---	4.490
51	JACOB A. REPPEN AND LINDA G. REPPEN	FEE	0.585	---	0.585
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED					

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 STH 73 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140.
EXISTING HIGHWAY RIGHT OF WAY FOR PIERCE ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140

EXISTING ACCESS CONTROL ESTABLISHED FROM PREVIOUS RIGHT OF WAY 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.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES

TRANSPORTATION PROJECT PLAT NO: 1007-10-21 - 4.07

THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 AND PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 27. ALL BEING LOCATED IN T 5 N, R 12 E, TOWN OF ALBION, DANE COUNTY, WISCONSIN.

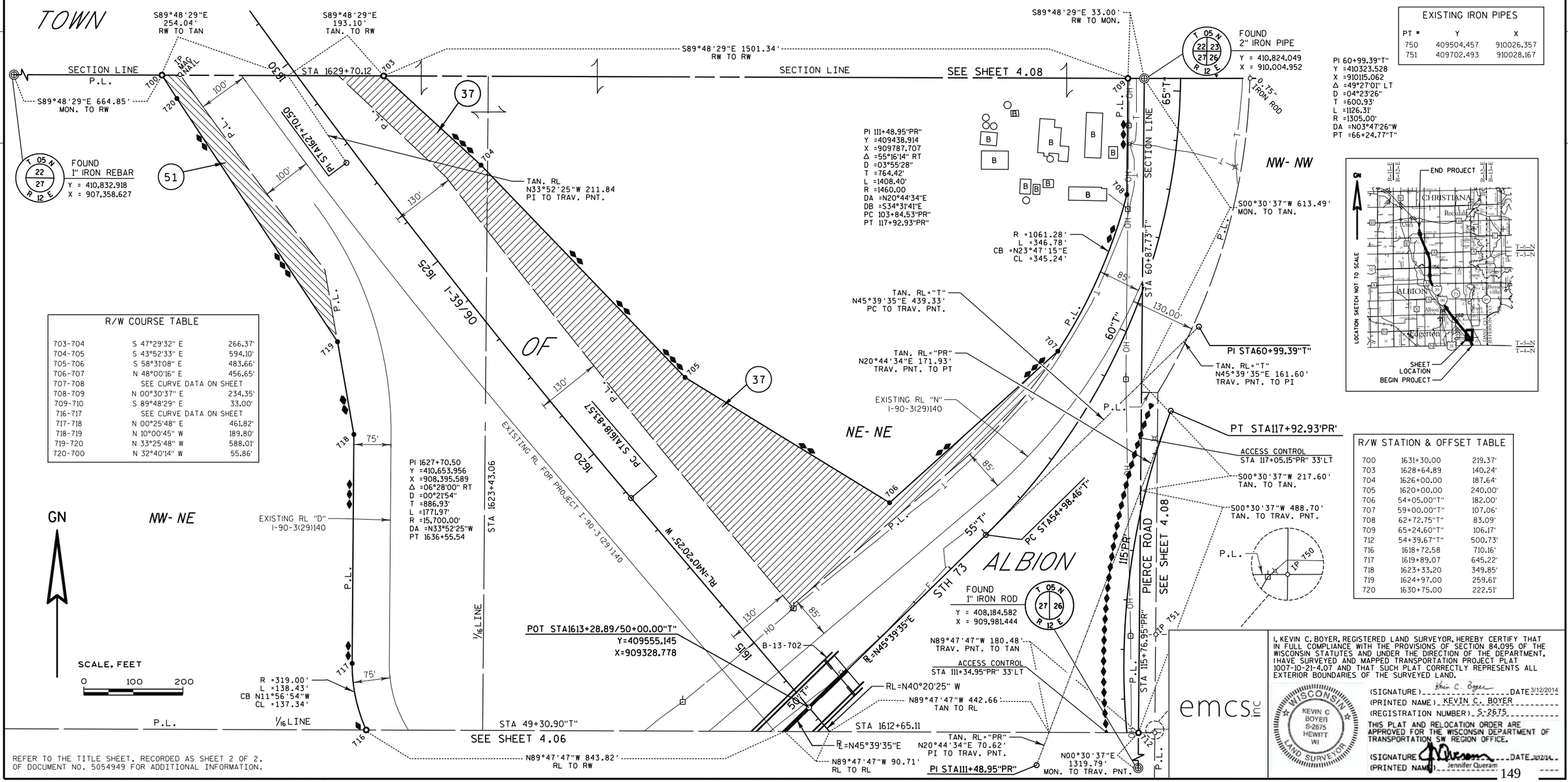
RELOCATION ORDER I-39/90, ILLINOIS STATE LINE - MADISON (SOUTH DANE COUNTY LINE TO EAST CHURCH ROAD)

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 #
5059307
03/20/2014 09:20 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-21-4.07
AMENDMENT NO:



R/W COURSE TABLE		
703-704	S 47°29'32" E	266.37'
704-705	S 43°52'33" E	594.10'
705-706	S 58°31'08" E	483.66'
706-707	N 48°00'16" E	456.65'
707-708	SEE CURVE DATA ON SHEET	
708-709	N 00°30'37" E	234.35'
709-710	S 89°48'29" E	33.00'
716-717	SEE CURVE DATA ON SHEET	
717-718	N 00°25'48" E	461.82'
718-719	N 10°00'45" W	189.80'
719-720	N 33°25'48" W	588.01'
720-700	N 32°40'14" W	55.86'

R/W STATION & OFFSET TABLE		
700	1631+30.00	219.37'
703	1628+64.89	140.24'
704	1626+00.00	187.64'
705	1620+00.00	240.00'
706	54+05.00"T"	182.00'
707	59+00.00"T"	107.06'
708	62+72.75"T"	83.09'
709	65+24.60"T"	106.17'
712	54+39.67"T"	500.73'
716	1618+72.58	710.16'
717	1619+89.07	645.22'
718	1623+33.20	349.85'
719	1624+97.00	259.61'
720	1630+75.00	222.51'

I, KEVIN C. BOYER, REGISTERED 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 DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-21-4.07 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

emcs inc

KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR WISCONSIN

(SIGNATURE) Kevin C. Boyer DATE 3/12/2014
(PRINTED NAME) KEVIN C. BOYER
(REGISTRATION NUMBER) S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION OFFICE.

(SIGNATURE) DATE 3/27/14
(PRINTED NAME) Jennifer Queram

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5054949 FOR ADDITIONAL INFORMATION.

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\CADDS\Plan\TPP\040107_rp.dgn
APPRAISAL PLAT DATE : 03/12/2014
PLOT DATE : 3/12/2014 PLOT BY : bjl PLOT NAME : PLOT SCALE : 1:100

1007-10-21-4.07

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

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5089316
08/05/2014 12:34 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-21-4.08
AMENDMENT NO: 1

TRANSPORTATION PROJECT PLAT NO: 1007-10-21 - 4.08 AMENDMENT NO: 1

AMENDMENT ADDS UTILITY NUMBER 241 AND AMENDS UTILITY NUMBER 202 OF OF TPP 1007-10-21-4.08 RECORDED AS DOCUMENT 5059308.

THAT PART OF LOT 1 OF CSM 2552 LOCATED IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 26. ALSO THAT PART OF LOT 1 OF C.S.M. NO. 6546 AND PART OF LOT 1 OF C.S.M. 13090, LOCATED IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 23. ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 22. ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 23. ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 26. ALL BEING LOCATED IN T 5 N, R 12 E, TOWN OF ALBION, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE - MADISON (SOUTH DANE COUNTY LINE TO EAST CHURCH ROAD)

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.

EXISTING HIGHWAY RIGHT OF WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT OF WAY FOR STH 73 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140, CSM 13090, AND CSM 6546
EXISTING HIGHWAY RIGHT OF WAY FOR PIERCE ROAD ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND CSM 2552

EXISTING ACCESS CONTROL ESTABLISHED FROM PREVIOUS RIGHT OF WAY PROJECT I-90-3(29)140 AND PREVIOUS ACCESS CONTROL PROJECT 3070-00-29

FOR THE LATEST ACCESS CONTROL INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES

FOUND ALUMINUM MONUMENT
Y = 413,470.049
X = 910,042.604

S89°54'56"E 63.86' RW TO TRAV. PNT.

S00°48'55"W 1323.14' MON. TO TRAV. PNT.

N89°47'42"E 57.87' TAN TO RW

NW- SW

NE- SE

1/16 LINE

P.L. STA 78+50.07"T"

DETAIL A

TOWN

SECTION LINE

1/16 LINE

0.02'

RL "T"

TAN RL "T"

N89°47'42"E 2.14' TRAV. PNT. TO TAN

TLE - GRADING 0.011 ACRES

TAN. RL="T" N00°39'12"E 407.88' PI TO TRAV. PNT.

PI STA74+42.62"T"

PI STA132+11.07"PR'

PT STA132+11.07'PR'

R=N89°52'15"E

PI STA131+52.18'PR'

R =180.00'
L =270.77'
CB =S19°09'22"E
CL =245.95'

PI 131+52.18"PR'
Y =411436.132
X =910414.994
Δ =118°48'29" LT
D =37°12'18"
T =260.44
L =319.33
R =154.00

PC STA128+91.74'PR'

SW- SW

R=N28°40'44"E

LOT 1
CSM 6546
VOL. 32
PG. 96
DOC. 2293815

LOCATION SKETCH NOT TO SCALE

END PROJECT

SHEET LOCATION BEGIN PROJECT

N00°48'55"E 1323.13' MON. TO 1/4 LINE

POT STA133+23.62'PR'/71+40.00'T"

STH 73

PC STA70+11.95'T"

OF

R=N03°47'26"W

PT STA66+24.77'T"

SE- SE

FOUND 1" IRON REBAR
Y = 410,832.918
X = 907,358.627

ACCESS CONTROL STA 127+51.53"PR" 33'LT

PT STA127+83.94'PR'

PI STA126+83.85'PR'

PC STA125+79.03'PR'

PI 126+83.85"PR"
Y =411023.107
X =910187.973
Δ =29°43'20" RT
D =14°30'19"
T =104.81'
L =204.91'
R =395.00'

LOT 1
CSM 13090
VOL. 84
PG. 21
DOC. 4761180

EXISTING IRON PIPES

PT #	Y	X
880	409504.457	910026.357
881	409702.493	910028.167

0.75" IRON ROD

SECTION LINE SEE SHEET 4.07

S89°48'29"E 2606.78 MON. TO RW

STA 65+25.68"T" SECTION LINE

FOUND CONCRETE MONUMENT
Y = 410,826.575
X = 912,691.852

S89°56'46"W 2443.07' MON. TO RW

ACCESS CONTROL STA 124+85.50"PR" 33'LT

PT STA123+41.15'PR'

PI STA121+84.53'PR'

PI 121+84.53"PR"
Y =410519.994
X =910917.135
Δ =21°47'10" LT
D =06°52'12"
T =160.50'
L =317.12'
R =834.00'

NW- NW

N89°48'29"W 33.00' MON TO TRAV PNT

FOUND 2" IRON PIPE
Y = 410,824.049
X = 910,004.952

N00°30'37"E 613.49' TAN. TO MON.

STA 60+87.73"T"

PC STA120+24.03'PR'

EXISTING RL "N" I-90-3(29)140

PI=74+42.62"T"
Y =411739.207
X =910021.267
Δ =04°26'38" RT
D =00°30'58"
T =430.67
L =860.91
R =11100.00
DA =N0°39'12"E
PT 78+72.86"T"

TAN. RL="T" N45°39'35"E 161.60' TRAV. PNT. TO PI

PI STA60+99.39"T"

PT STA117+92.93'PR'

R=N20°44'34"E

DETAIL A

TLE - GRADING 0.023 ACRES

NE- NE

PI 60+99.39"T"
Y =410323.528
X =910115.062
Δ =49°27'01" LT
D =04°23'26"
T =600.93'
L =1126.31'
R =1305.00'
DB =S45°39'35"W
PC 54+98.46"T"

N00°30'37"E 217.60' TAN. TO TAN.

ACCESS CONTROL STA 117+05.15"PR" 33'LT

TAN. RL="PR" N20°44'34"E 171.93' TRAV. PNT. TO PT

TAN. RL="PR" N20°44'34"E 592.49' PI TO TRAV. PNT

R =1398.48'
L =320.59'
CB =S14°00'52"W
CL =319.89'

N00°30'37"E 488.70' TRAV. PNT. TO TAN.

S89°46'14"W 33.00' RW TO TRAV. PNT.

STA 115+76.95"PR"

P.L. PIERCE ROAD SECTION LINE

PI 111+48.95"PR"
Y =409438.914
X =909787.707
Δ =55°16'14" RT
D =03°55'28"
T =764.42'
L =1408.40'
R =1460.00
DA =N20°44'34"E
DB =S34°31'41"E
PC 103+84.53"PR"
PT 117+92.93"PR"

LOT 1
CSM 2552
VOL. 10
PG. 115
DOC. 1535496

FOUND 1" IRON ROD
Y = 408,184.582
X = 909,981.444

N00°30'37"E 1319.79' MON. TO RW

1/16 LINE SEE SHEET 4.05

ALBION

GN

SCALE, FEET
0 100 200

202 WISCONSIN POWER AND LIGHT COMPANY (ELECTRIC)
VOL. 96, PG. 126, DOC. 528649 - PARCEL 44

221 FRONTIER COMMUNICATIONS OF WI LLC
VOL. 213, PG. 478, DOC. 1277786 - PARCEL 41
NO EASEMENT OF RECORD - PARCEL 43

241 ROCK ENERGY COOPERATIVE
NO EASEMENT OF RECORD - PARCEL 43, 44

R/W STATION & OFFSET TABLE

803	65+24.55"T"	112.73'
804	78+49.54"T"	66.02'
808	78+50.82"T"	57.84'
809	76+64.31"T"	55.39'
810	76+64.14"T"	63.05'
811	73+87.00"T"	96.00'
812	71+90.00"T"	85.00'
813	131+39.52"PR"	78.17'
814	131+29.21"PR"	51.71'
815	129+24.39"PR"	38.53'
816	127+85.44"PR"	46.13'
817	126+46.83"PR"	48.15'
818	124+83.94"PR"	57.18'
819	123+54.78"PR"	60.48'
820	121+36.83"PR"	60.88'
821	117+88.45"PR"	53.00'
822	114+55.77"PR"	53.14'
823	111+29.66"PR"	23.28'
IP 880	111+26.63"PR"	56.15'
824	65+24.60"T"	106.17'

R/W COURSE TABLE

803-804	N 00°14'14" W	1322.97'
808-809	S 00°48'55" W	185.57'
809-810	S 89°11'05" E	7.66'
810-811	S 07°58'04" E	277.12'
811-812	S 00°51'32" W	195.70'
812-813	S 89°56'24" E	134.18'
813-814	S 00°34'46" E	30.24'
814-815	SEE CURVE DATA ON SHEET	
815-816	S 24°02'25" W	147.30'
816-817	S 17°55'24" W	121.63'
817-818	S 02°30'16" E	154.38'
818-819	S 02°30'16" E	129.20'
819-820	S 05°27'52" W	232.18'
820-821	S 20°41'43" W	356.08'
821-822	SEE CURVE DATA ON SHEET	
822-IP 880	S 00°30'37" W	316.16'
824-803	N 89°48'29" W	6.56'

TLE STATION & OFFSET TABLE

T850	78+50.98"T"	69.98'
T851	78+10.73"T"	69.83'
T852	78+10.83"T"	57.58'
T853	128+62.93"PR"	39.85'
T854	129+04.87"PR"	139.72'
T855	128+14.73"PR"	194.62'
T856	127+69.92"PR"	119.51'
T857	127+90.95"PR"	45.69'
T858	117+42.18"PR"	52.99'
T859	117+46.56"PR"	75.17'
T860	117+15.06"PR"	85.02'
T861	117+01.35"PR"	52.99'
T862	112+11.45"PR"	62.20'
T863	112+11.38"PR"	79.08'
T864	111+74.33"PR"	77.47'
T865	111+74.65"PR"	60.16'

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
202	WISCONSIN POWER AND LIGHT COMPANY, LLC (ELECTRIC)	RELEASE OF RIGHTS
221	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS
241	ROCK ENERGY COOPERATIVE	RELEASE OF RIGHTS

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 INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
37	HENRY B. BRATLAND SR., AND RITA R. BRATLAND	FEE	0.388	---	0.388	---
41	ROBERT W. LYKE AND SANDRA P. LYKE, TRUSTEES OF THE ROBERT W. LYKE AND SANDRA P. LYKE REVOCABLE TRUST DATED 6-18-09	FEE/TLE	1.249	0.520	1.769	0.037
42	CHS INC.	FEE/TLE	0.252	---	0.252	0.131
43	DAVID G. MILLAR	FEE/TLE	0.147	---	0.147	0.193
44	EDWARD J. OLSON AND JEAN A. OLSON	FEE/TLE	0.194	---	0.194	0.011
45	CRAZY ACRES, INC.	FEE	1.209	---	1.209	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

I, KEVIN C. BOYER, REGISTERED 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 DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-21-4.08 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Kevin C. Boyer DATE: 7/30/2014
(PRINTED NAME) KEVIN C. BOYER
(REGISTRATION NUMBER) S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION OFFICE.

(SIGNATURE) David R. Miller DATE 7/31/2014
(PRINTED NAME) DAVID R. MILLER

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

emcs inc

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5054949 FOR ADDITIONAL INFORMATION.

1007-10-21-4.08 AMENDMENT NO: 1
PLOT SCALE : 1:100
PLOT NAME :
PLOT BY : bjl
PLOT DATE : $DATE$
FILE NAME : $FILE$
APPRAISAL PLAT DATE : 7/30/2014

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

4

TRANSPORTATION PROJECT PLAT NO: 1007-10-21 - 4.09

THAT PART OF OUTLOT 61 OF ASSESSOR'S PLAT OF VILLAGE OF ALBION (UNINCORPORATED) LOCATED IN THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4. ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 AND THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4. ALL BEING LOCATED IN SECTION 22. T 5 N, R 12 E, TOWN OF ALBION, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE - MADISON (SOUTH DANE COUNTY LINE TO EAST CHURCH ROAD)

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 #
5059309
03/20/2014 09:20 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-21-4.09
AMENDMENT NO:

1007-10-21-4.09

PLOT SCALE : 1:100

PLOT NAME :

PLOT BY : bjl

PLOT DATE : $DATE$

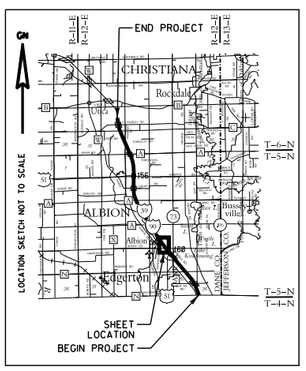
FILE NAME : $FILE$
APPRAISAL PLAT DATE : 03/19/2014

SIGN NUMBER	SIGN OWNER
37-1	COACHMAN'S GOLF RESORT

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 AND ASSESSOR'S PLAT OF VILLAGE OF ALBION.
EXISTING ACCESS CONTROL ESTABLISHED FROM PREVIOUS RIGHT OF WAY 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.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES



R/W COURSE TABLE

902-903	N 32°40'14" W	491.84'
903-904	N 32°23'18" W	405.65'
904-905	N 37°34'03" W	274.61'
908-909	S 38°08'21" E	133.78'
909-910	S 30°40'46" E	949.47'
910-911	S 28°51'27" E	399.57'
911-912	S 36°56'53" E	480.23'
912-913	S 47°29'32" E	51.59'

R/W STATION & OFFSET TABLE

902	1631+30.00	219.37'
903	1636+15.00	200.18'
904	1640+20.00	189.61'
905	1642+94.04	207.30'
908	1648+81.41	199.95'
909	1647+48.00	209.90'
910	1638+00.00	157.00'
911	1634+00.00	120.00'
912	1629+16.00	130.55'
913	1628+64.89	140.24'

T 05 N R 12 E 15 22

FOUND
6" X 6" STONE MONUMENT
Y = 416,112.185
X = 907,438.081

SCALE, FEET
0 100 200

GN

S00°51'44"W 3593.00' MON. TO RW

TOWN

NW- SE

OF

SW- SE

SE- SE

ALBION

N0°51'44"E 350.92' RL TO RW

STA 1645+93.02

N0°51'44"E 363.82' RW TO RL

N0°51'44"E 972.12' MON. TO RW

RL-N37°52'25"W

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

P.L.

STA 1645+71.61

1/16 LINE

1/4 LINE

Pt STA 1636+55.54

OUTLOT 61
ASSESSOR'S PLAT
OF VILLAGE OF
ALBION
(UNINCORPORATED)

PI 1627+70.50
Y =410,653.956
X =908,395.590
Δ =06°28'00" RT
D =00°21'54"
T =886.93'
L =1771.97'
R =15,700.00'
DB =S40°20'25"E
PC 1618+83.57

RL-N13°52'25"E 610.60' SEC. LINE TO Pt

TAN. RL
S33°52'25"E 211.84'
TRAV. PNT. TO PI STA 1627+70.50

N89°48'29"W 254.04' TAN TO RW

N89°48'29"W 193.10' RW TO TAN.

S89°48'29"E 664.85' MON. TO RW

N89°48'29"W 1534.34' MON. TO RW

P.L. SECTION LINE STA 1629+70.12

SECTION LINE

FOUND
1" IRON REBAR
Y = 410,832.918
X = 907,358.627

IP
MAG NAIL

FOUND
2" IRON PIPE
Y = 410,824.049
X = 910,004.952

T 05 N R 12 E 22 27

T 05 N R 12 E 22 23 27 26

902	903	904	905	908	909
910	911	912	913		

52	53	54	37	202	37-1

90' 215' 155' 80' 100' 80' 90' 215' 80' 80' 80

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

TRANSPORTATION PROJECT PLAT NO: 1007-10-21 - 4.10 AMENDMENT NO: 1

AMENDS PARCEL 59 OF TRANSPORTATION PROJECT PLAT 1007-20-21-4.10 RECORDED AS DOCUMENT NUMBER 5059310

THAT PART OF OUTLOT 61 OF ASSESSOR'S PLAT OF VILLAGE OF ALBION (UNINCORPORATED) LOCATED IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 22. ALSO THAT PART OF OUTLOT 62 OF ASSESSOR'S PLAT OF VILLAGE OF ALBION (UNINCORPORATED) LOCATED IN THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 22. ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 22. ALL BEING LOCATED IN T 5 N, R 12 E, TOWN OF ALBION, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE - MADISON (SOUTH DANE COUNTY LINE TO EAST CHURCH ROAD)

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.

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 AND ASSESSOR'S PLAT OF VILLAGE OF ALBION.
EXISTING HIGHWAY RIGHT OF WAY FOR STH 106 ESTABLISHED FROM PREVIOUS PROJECT I-90-3(29)140 AND ASSESSOR'S PLAT OF VILLAGE OF ALBION.

EXISTING ACCESS CONTROL ESTABLISHED FROM PREVIOUS RIGHT OF WAY 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.

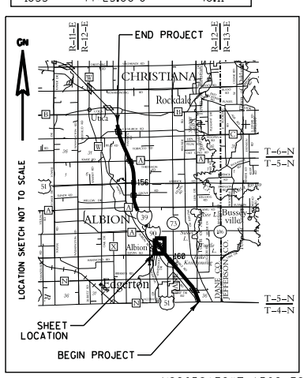
KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS
DOCUMENT # 5068788
05/08/2014 2:28 PM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-21-4.10
AMENDMENT NO: 1

1007-10-21-4.10 AMENDMENT NO: 1
PLOT SCALE : 1:1100
PLOT NAME :
PLOT BY : bjl
PLOT DATE : $DATE$

R/W STATION & OFFSET TABLE		
1002	1642+94.04	207.30'
1003	1644+50.00	217.37'
1004	1647+00.00	240.00'
1005	1654+50.00	216.00'
1006	43+75.00"J"	60.00'
1007	43+75.00"J"	54.67'
1008	47+00.00"J"	104.35'
1009	47+75.00"J"	135.77'
1010	1657+15.00	143.50'
1011	1662+93.86	201.59'
1012	1666+16.52	205.85'
1015	1671+13.66	138.46'
1016	1660+75.98	123.27'
1017	1657+80.94	118.95'
1018	54+85.44"J"	208.12'
1019	54+11.83"J"	75.21'
1020	55+60.64"J"	79.32'
1021	57+15.64"J"	96.78'
1023	56+16.60"J"	118.27'
1024	1654+50.00	157.54'
1025	1648+81.41	199.95'
1026	40+08.92"J"	54.65'
1027	40+25.38"J"	32.65'
1028	40+74.75"J"	33.35'
1029	43+16.17"J"	33.33'
1033	44+25.00"J"	46.11'

CURVE TABLE				
CURVE NUMBER	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	941.47	164.35	164.14	N59°12'03"E



SIGN NUMBER	SIGN OWNER
54-1	COACHMAN'S GOLF RESORT

UTILITY SCHEDULE & INTERESTS REQUIRED		
UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
202	WISCONSIN POWER AND LIGHT COMPANY, LLC (ELECTRIC)	RELEASE OF RIGHTS
221	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS

R/W COURSE TABLE		
1002-1003	N 37°34'03" W	156.28'
1003-1004	N 39°02'46" W	251.02'
1004-1005	N 32°02'27" W	750.38'
1005-1006	S 62°36'02" W	409.08'
1006-1007	N 35°54'40" W	5.33'
1007-1026	S 54°05'34" W	366.08'
1026-1027	N 00°53'29" E	27.47'
1028-1029	N 54°05'34" E	241.42
1029-1033	N 47°23'28" E	109.58'
1033-1008	N 42°07'53" E	281.10'
1008-1009	N 31°21'22" E	81.32'
1009-1010	N 41°59'09" E	36.85'
1010-1011	N 34°37'46" W	578.92'
1011-1012	N 34°37'46" W	322.68'
1015-1016	S 33°02'06" E	1037.80'
1016-1017	S 33°02'06" E	295.06'
1017-1018	N 54°05'34" E	380.47'
1018-1019	S 00°15'26" E	155.06'
1019-1020	N 58°30'41" E	155.78
1020-1021	SEE C1 IN CURVE TABLE	
1023-1024	S 55°22'36" W	440.68'
1024-1025	S 38°08'21" E	570.17'

TLE STATION & OFFSET TABLE		
T1050	54+17.77"J"	85.10'
T1051	54+84.76"J"	85.47'
T1052	54+85.00"J"	75.47'
T1053	55+80.93"J"	82.36'
T1054	55+75.00"J"	156.46'
T1055	56+69.00"J"	136.23'
T1056	57+03.68"J"	95.90'

FOUND 6" X 6" STONE MONUMENT
Y = 416,112.185
X = 907,438.081

FOUND 1" IRON PIPE
Y = 413,467.888
X = 904,753.990

PI 58+61.01"J"
Y =413491.769
X =907526.930
Δ =36°36'00" RT
D =03°28'21"
T =545.69
L =1054.00
R =1650.00
DA =S89°18'40"E
PT 63+69.33"J"

PI STA 58+61.01"J"
Y=413491.769
X=907526.930

FOUND ALUMINUM MONUMENT
Y = 413,470.049
X = 910,042.604

GEODETIC MONUMENT DF9911

B-13-703

DETAIL A

DETAIL B

WISCONSIN POWER AND LIGHT COMPANY (ELECTRIC)
VOL. 434, PG. 191, DOC. 145372 - PARCEL 54
NO EASEMENT OF RECORD - PARCEL 53,54,58

FRONTIER COMMUNICATIONS OF WI LLC
VOL. 3188B, PG. 19, DOC. 2734305 - PARCEL 58

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES

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 INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
53	HARDING JOINT REVOCABLE TRUST DATED MARCH 26, 2012	FEE	0.261	---	0.261	---
54	ROGER J. OLSON AND NANCY J. OLSON	FEE	4.045	---	4.045	---
58	MARK W. EVERSON AND LINDA L. EVERSON	FEE	0.649	---	0.649	---
59	PALZKILL PROPERTIES, LLC.	FEE	0.171	---	0.171	---
63	RONALD J. WALTER AND MARY G. WALTER	TLE	---	---	---	0.164

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

I, KEVIN C. BOYER, REGISTERED 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 DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-21-4.10 AMENDMENT NO: 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Kevin C. Boyer DATE 5/7/2014
(PRINTED NAME) KEVIN C. BOYER
(REGISTRATION NUMBER) S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION OFFICE.

(SIGNATURE) DATE 5/7/14
(PRINTED NAME) JENNIFER QUERAM

emcs inc

SCALE, FEET
0 100 200

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5054949 FOR ADDITIONAL INFORMATION.

FILE NAME : $FILE$
APPRAISAL PLAT DATE : 05/7/2014

152

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

4

TRANSPORTATION PROJECT PLAT NO: 1007-10-21 - 4.11

THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 AND THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 22. ALL BEING LOCATED IN T 5 N, R 12 E, TOWN OF ALBION, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE - MADISON (SOUTH DANE COUNTY LINE TO EAST CHURCH ROAD)

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.

EXISTING HIGHWAY RIGHT OF WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT OF WAY FOR STH 106 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.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5059311
03/20/2014 09:24 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-21-4.11
AMENDMENT NO:

1007-10-21-4.11

PLOT SCALE : 1:100

PLOT NAME :

PLOT BY : bjl

PLOT DATE : $DATE$

FILE NAME : $FILE$
APPRAISAL PLAT DATE : 03/06/2014

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 INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
54	ROGER J. OLSON AND NANCY J. OLSON	FEE	1.690	0.836	2.526	---
62	DANIEL PHILLIP CUNNINGHAM AND MARJORIE ANNE THOMAS	TLE	---	---	---	0.024

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, LLC (ELECTRIC)	RELEASE OF RIGHTS

R/W COURSE TABLE

1102-1103	SEE C1 IN CURVE TABLE	
1103-1104	SEE C2 IN CURVE TABLE	
1104-1105	S 89°18'26" E	33.37'
1105-1106	N 89°58'36" E	551.46'
1106-1107	S 00°41'20" W	32.31'
1110-1111	S 00°41'20" W	33.70'
1111-1112	S 89°58'36" W	474.02'
1112-1113	S 75°34'19" W	282.01'
1113-1114	S 64°25'29" W	275.01'
1114-1115	S 55°22'36" W	15.45'

R/W STATION & OFFSET TABLE

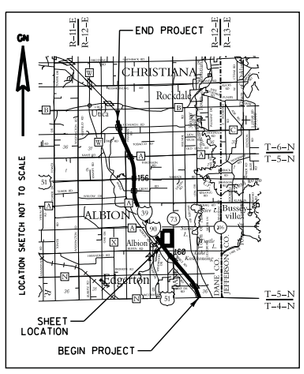
1102	57+15.64"J"	96.78'
1103	57+47.56"J"	98.73'
1104	61+25.95"J"	79.07'
1105	61+57.54"J"	74.48'
1106	67+00.00"J"	67.15'
1107	67+00.00"J"	34.84'
1110	67+00.00"J"	31.16'
1111	67+00.00"J"	64.86'
1112	62+20.00"J"	64.26'
1113	59+25.00"J"	88.00'
1114	56+33.00"J"	115.73'
1115	56+16.60"J"	118.27'

TLE STATION & OFFSET TABLE

T1150	57+65.89"J"	99.60'
T1151	57+77.00"J"	130.57'
T1152	58+14.00"J"	116.69'
T1153	58+09.01"J"	100.92'

CURVE TABLE

CURVE NUMBER	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	941.47	33.87	33.87	N65°13'57"E
C2	941.47	401.42	398.39	N78°28'41"E



(202) WISCONSIN POWER AND LIGHT COMPANY (ELECTRIC)
NO EASEMENT OF RECORD - PARCEL 54

FOUND 6" X 6" STONE MONUMENT
Y = 416,112.185
X = 907,438.081

T 05 N R 12 E 15 22

TOWN

SE-NW

P.L.

S00°51'44"W 2643.52' MON. TO 1/4 LINE

TLE - GRADING 0.024 ACRES

62

T1151 T1152 T1153 T1150 T1103 T1104 C1 C2

DETAIL A

PI STA58+61.01"J"
Y =413491.769
X =907526.930
Δ =36°36'00" RT
D =03°28'21"
T =545.69
L =1054.00
R =1650.00
DB =S54°05'20"W
PC 53+15.33"J"

1/4 LINE

N89°58'36"E 30.54' 1/4 LINE TO RW

B

DETAIL A

OF

SW-NE

P.L. 1107 S00°41'20"W 34.84' RW TO RL

R=S89°18'40"E

1/4 LINE S00°41'20"W 11.86' RL TO TRAV. PNT.

1110 S00°41'20"W 19.30' TRAV. PNT TO RW

DIMENSIONS TO I-90-3(29)140 RL "M"

54

S89°18'40"E 330.67' PT TO TRAV. PNT.

PT STA63+69.33"J"

66'

1106

S89°58'36"W 1639.53' MON. TO TRAV. PNT.

65"J"

70"J"

STH 106

R=S89°18'40"E

66'

1104 1105 1107 1110 1111 1112 1113 1114 1115

N89°58'36"E 2644.30' MON. TO 1/4 LINE

T 05 N R 12 E 21 22

STA 61+18.19"J"

1/4 LINE

S00°51'44"W 14.18' 1/4 LINE TO RW

FOUND 1.25" IRON PIPE
Y = 413,467.888
X = 904,753.990

N00°51'44"E 56.95' TAN. TO RW

N00°51'44"E 179.44' RW TO TAN.

60"J"

55'

202

N89°58'36"E 974.23' RW TO TRAV. PNT.

TAN RL="J"
N54°05'20"E 160.14'
TRAV. PNT. TO PI STA 58+61.01"J"

FOUND ALUMINUM MONUMENT
Y = 413,470.049
X = 910,042.604

T 05 N R 12 E 22 23

LOT 1
CSM 2292
VOL. 9
PG. 127-128
DOC. 1505332

N0°51'44"E 2385.78' MON. TO RW

1/4 LINE STA 56+74.59"J"

NE-SW

FOUND 1" IRON REBAR
Y = 410,832.918
X = 907,358.627

T 05 N R 12 E 22 27

GN

NW- SE

ALBION

SCALE, FEET
0 100 200

I, KEVIN C. BOYER, REGISTERED 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 DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-21-4.11 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

(SIGNATURE) Kevin C. Boyer DATE 3/6/2014
(PRINTED NAME) KEVIN C. BOYER
(REGISTRATION NUMBER) S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION OFFICE.

(SIGNATURE) DATE 3/17/14
(PRINTED NAME) Jennifer Queram

emcs inc

153

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5054949 FOR ADDITIONAL INFORMATION.

4

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

TRANSPORTATION PROJECT PLAT NO: 1007-10-21 - 4.12

THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 AND THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 22. ALSO THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 21. ALL BEING LOCATED IN T 5 N, R 12 E, TOWN OF ALBION, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE - MADISON (SOUTH DANE COUNTY LINE TO EAST CHURCH ROAD)

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 #
5059312
03/20/2014 09:24 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-21-4.12
AMENDMENT NO:

FOUND 1.25" IRON PIPE
Y = 418,795.404
X = 904,764.338

FOUND 1.25" OD IP
Y = 416,110.586
X = 904,790.963

FOUND 6" X 6" STONE MONUMENT
Y = 416,112.185
X = 907,438.081

FOUND RAILROAD SPIKE
Y = 416,182.325
X = 902,093.807

FOUND 1" IRON PIPE
Y = 413,467.888
X = 904,753.990

TOWN
SE- SE
SW- SW
NE- NE
NW- NW
SE- NE
SW- NW
OF
ALBION

S88°28'35"E 41.99' TAN. TO MON.
S88°28'35"E 234.91' RW TO TAN.
S88°28'35"E 2421.21' MON. TO RW
S00°34'05"E 2684.95' MON. TO MON.
S89°57'55"W 2536.66' MON. TO RW
N00°48'06"E 2226.47' MON. TO RW
SECTION LINE
P.L.
P.L. 1/16 LINE
1/16 LINE
STA 1693+26.85
STA 1692+67.00
STA 1677+49.78
STA 1669+13.74
DETAIL A
N89°57'55"E 110.46' MON. TO RW
72.47' TAN TO MON.
344.01' RW TO TAN
PI 1691+61.33
Y =415,961.630
X =904,832.528
Δ =04°46'15" RT
D =00°19'45"
T =724.84'
L =1448.84'
R =17,400.00'
DA =N29°06'10"W
PT 1698+85.33
TAN. RL S29°06'10"E 84.21'
TAN. RL S29°06'10"E 87.54'
PI STA 1691+61.33
R =23018.33'
L =244.57'
CB =N32°48'19"W
CL =244.56'
PC STA 1684+36.49
RL=N33°52'25"W
I-39/90
SAUNDERS CREEK
B-13-705
B-13-704
EXISTING RL FOR PROJECT I-90-3 (29) 140
S00°49'55"W 243.19' RW TO RL
S00°49'55"W 361.54' RL TO RW
1685
1680
1675
1670
1685
1690

TLE - GRADING 0.085 ACRES (68)
TLE - GRADING 0.085 ACRES (68)
(67)
(67)
(60)
(60)
(54)
(54)
(54)
(229) KOCH PIPELINE
VOL. 217, PG. 322-327, DOC. 773822 - PARCEL 54
VOL. 217, PG. 301-306, DOC. 773818 - PARCEL 60
(241) ROCK ENERGY COOPERATIVE
VOL. 33217, PG. 29, DOC. 2771910 - PARCEL 67
VOL. 8337, PG. 812-813, DOC. 1944199 - PARCEL 68

R/W COURSE TABLE

1213-1214	S 29°37'26" E	52.30'
1214-1215	S 37°53'15" E	77.93'
1215-1216	S 33°36'14" E	989.77'
1216-1217	S 33°59'56" E	958.00'
1217-1218	S 33°02'06" E	55.34'
1202-1203	N 34°37'46" W	216.50'
1203-1204	N 34°14'52" W	1117.02'
1204-1205	N 32°19'08" W	1016.03'
1205-1206	N 32°19'08" W	127.21'
1206-1207	N 54°17'17" E	8.69'
1207-1208	N 36°15'48" W	131.05'
1208-1209	SEE CURVE DATA ON SHEET	

R/W STATION & OFFSET TABLE

1202	1666+16.52	205.85'
1203	1668+33.00	208.70'
1204	1679+50.00	216.00'
1205	1689+59.83	196.39'
1206	1690+85.62	197.23'
1207	1690+86.21	188.56'
1208	1692+15.38	199.40'
1209	1694+56.99	207.48'
1213	1692+52.64	121.26'
1214	1692+00.00	119.75'
1215	1691+22.00	128.44'
1216	1681+27.00	137.18'
1217	1671+69.00	139.27'
1218	1671+13.66	138.46'

TLE STATION & OFFSET TABLE

T1250	1692+15.32	209.40'
T1251	1694+63.31	217.71'

SCALE, FEET
0 100 200

GN

LOCATION SKETCH NOT TO SCALE
END PROJECT
BEGIN PROJECT
SHEET LOCATION
CHRISTIANA
Rockdale
ALBION
Albion
Edgerton
Milton
Janesville

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
229	KOCH PIPELINE	RELEASE OF RIGHTS
241	ROCK ENERGY COOPERATIVE	RELEASE OF RIGHTS

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 INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
54	ROGER J. OLSON AND NANCY J. OLSON	FEE	1.512	---	1.512	---
60	CRAZY ACRES, INC.	FEE	2.191	---	2.191	---
67	LAND CONTRACT BETWEEN VIOLA L. EKLUND, AS VENDOR, AND ERIC C. NUENTHEL AND CHERYL L. NUENTHEL, AS PURCHASERS	FEE	0.032	---	0.032	---
68	CPTM, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	0.001	---	0.001	0.085

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

I, KEVIN C. BOYER, REGISTERED 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 DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-21-4.12 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN LAND SURVEYOR KEVIN C BOYER S-2675 HEWITT WI

(SIGNATURE) Kevin C. Boyer DATE 3/12/2014
(PRINTED NAME) KEVIN C. BOYER
(REGISTRATION NUMBER) S-2675

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

(SIGNATURE) DATE 3/27/14
(PRINTED NAME) Jennifer Queram

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 ACCESS CONTROL ESTABLISHED FROM PREVIOUS RIGHT OF WAY 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.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5054949 FOR ADDITIONAL INFORMATION.

emcs inc

1007-10-21-4.12
PLOT SCALE : 1:100
PLOT NAME :
PLOT BY : bjl
PLOT DATE : $DATE$
FILE NAME : $FILE$
APPRAISAL PLAT DATE : 03/12/2014

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

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5074811
06/09/2014 10:00 AM
Trans. Fee:
Exempt #:
Rec. Fee: 25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1007-10-21-4.13
AMENDMENT NO:

TRANSPORTATION PROJECT PLAT NO: 1007-10-21 - 4.13

THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, AND THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 16, ALL BEING LOCATED IN T 5 N, R 12 E, TOWN OF ALBION, DANE COUNTY, WISCONSIN.

RELOCATION ORDER I-39/90, ILLINOIS STATE LINE - MADISON (SOUTH DANE COUNTY LINE TO EAST CHURCH ROAD)

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.

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 ACCESS CONTROL FOR I-39/90 ESTABLISHED FROM PREVIOUS RIGHT OF WAY 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.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES

S88°28'56"E 3574.29' MON. TO RW
S88°28'56"E 233.96' RW TO RL
S88°28'56"E 141.71' RL TO RW
N88°28'56"W 1390.66' MON. TO RW
1/4 LINE
STA 1724+50.18
1306
1309
1725
80'
P.L.
71
1310
FOUND 1.25" IRON PIPE
Y = 418,795.404
X = 904,764.338
FOUND CONCRETE MONUMENT
Y = 418,936.616
X = 899,425.582
60
1720
STA 1720+33.97
SAUNDERS CREEK
TOWN
NW- SE
1715
1311
1319
1318
1316
1317
72
1312
1710
1305
1/16 LINE
STA 1708+91.26
T1353
T1354
EXISTING RL FOR PROJECT I-90-3(29)140
SW- SE
OF
GN
R =22998.33'
L =914.12'
CB =N29°28'16"W
CL =914.06'
PI 1691+61.33
Y =415,961.630
X =904,832.528
Δ =04°46'15" RT
D =00°19'45"
T =724.84'
L =1448.84'
R =17,400.00'
DB =S33°52'25"E
PC 1684+36.49
SCALE, FEET
0 100 200
SE- SE
TLE - GRADING
0.358 ACRES
68
1705
1304
T1352
1700
PI STA 1698+85.33
1303
T1351
100'
R =23018.33'
L =458.49'
CB =N31°55'49"W
CL =458.48'
ALBION
S88°28'35"E 2421.21' MON. TO RW
FOUND RAILROAD SPIKE
Y = 416,182.325
X = 902,093.807
STA 1693+26.85
1302
T1350
1695
TAN. BRG. N29°6'10"W 553.09'
TAN. RL S29°6'10"E 171.75'
TRAV. PNT. TO PI STA 1691+61.33
FOUND 1.25" OD IP
Y = 416,110.586
X = 904,790.963
FOUND 1.25" IRON PIPE
Y = 418,795.404
X = 904,764.338
FOUND 6" X 6" STONE MONUMENT
Y = 416,112.185
X = 907,438.081
S89°57'55"W 2536.66' MON. TO RW
1314
S00°34'05"E 2487.17' MON. TO RW
SW- SW
SAME POINT
SECTION LINE
S00°34'05"E 197.78' MON. TO RW
S89°57'55"W 110.46' RW TO MON
N88°28'35"W 41.99' MON TO TAN
1313
N88°28'35"W 234.91' TAN TO RW
STA 1693+26.85
1314

R/W STATION & OFFSET TABLE		
1302	1694+56.99	207.48'
1303	1699+09.85	224.76'
1304	1702+11.51	214.66'
1305	1711+25.56	220.54'
1306	1725+69.35	201.33'
1309	1723+78.00	121.95'
1310	1721+86.00	122.05'
1311	1714+25.00	140.00'
1312	1711+00.00	115.91'
1313	1694+81.66	125.96'
1314	1692+52.64	121.26'
1316	1714+05.05	216.82'
1317	1714+05.31	236.82'
1318	1714+85.31	235.75'
1319	1714+85.04	215.76'

R/W COURSE TABLE	
1302-1303	SEE CURVE DATA ON SHEET
1303-1304	N 27°11'08" W 301.83'
1304-1305	SEE CURVE DATA ON SHEET
1305-1316	N 28°20'26" W 279.53'
1316-1317	S 61°39'34" W 20.00'
1317-1318	N 28°20'26" W 80.00'
1318-1319	N 61°39'34" E 20.00'
1319-1306	N 28°20'26" W 1084.40'
1309-1310	S 29°07'51" E 192.00'
1310-1311	S 30°27'15" E 761.21'
1311-1312	S 24°51'51" E 325.89'
1312-1313	S 29°37'26" E 1615.45'
1313-1314	S 29°37'26" E 227.43'

TLE STATION & OFFSET TABLE		
T1350	1694+63.31	217.71'
T1351	1699+03.66	234.53'
T1352	1702+05.40	224.51'
T1353	1710+28.38	231.64'
T1354	1710+22.49	221.69'

LOCATION SKETCH NOT TO SCALE
END PROJECT
CHRISTIANA
Rockdale
ALBION
Albion
Dunkirk
SHEET LOCATION
BEGIN PROJECT
T-6-N R-11-E
T-6-N R-12-E
T-5-N R-11-E
T-5-N R-12-E

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 INTERSTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNERS(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
60	CRAZY ACRES, INC.	FEE	0.497	---	0.497	---
68	CPTM, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	---	---	---	0.358
71	WILLIAM L MYHRE, JR., JILL E. MYHRE, JOHN C. NELSON, AND KATHRINE M. NELSON	FEE	0.056	---	0.056	---
72	MELVIN E. BECKER AND BONITA G. BECKER HIS WIFE	FEE	0.037	---	0.037	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED

emcs inc

I, KEVIN C. BOYER, REGISTERED 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 DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1007-10-21-4.13 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN LAND SURVEYOR
KEVIN C BOYER S-2675 HEWITT WI

(SIGNATURE) _____ DATE 5/29/2014
(PRINTED NAME) KEVIN C. BOYER
(REGISTRATION NUMBER) S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION OFFICE.

(SIGNATURE) _____ DATE 5/27/2014
(PRINTED NAME) DAVID R. HILL

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, OF DOCUMENT NO. 5054949 FOR ADDITIONAL INFORMATION.

1007-10-21-4.13
PLOT SCALE : 1:100
PLOT NAME :
PLOT BY : bjl
PLOT DATE : $DATE$
FILE NAME : $FILE$
APPRAISAL PLAT DATE : 05/29/2014

CP409F
¾" REBAR W/CAP
1487+63.82 'TSB', 101.04' LT
N 399,050.199
E 915,793.896
ELEV. 881.34

GOEDE RD

PROJECT
ID 1005-10-72
BY OTHERS

REMOVING FENCE
SLOPE INTERCEPT
R/W

1480'TSB' 1485'TSB' 1490'TSB' 1495'TSB' 1500'TSB' 1505'TSB'

80'NBE' 85'NBE' 90'NBE' 95'NBE' 100'NBE' 105'NBE'

I-39/90 SB
I-39/90 NB

℄ 'TSB'
℄ 'NBE'

REMOVING PAVEMENT

BH-1 SLOPE INTERCEPT

R/W

MATCHLINE STA 1506+00 'TSB'

SALVAGING CABLE GUARD
DONE BY OTHERS
UNDER PROJECT ID 1005-10-72

BEGIN PROJECT 1007-10-78
STA 1498+00.00'TSB'

ROCK COUNTY
DANE COUNTY

CRAZY ACRES, INC.

SOIL BORING LOCATION (TYP)

EXISTING GROUND
AT TSB R/L

MEDIAN DITCH PROFILE

STA 1502+93 'TSB'
EXISTING 42" CPRC

STA 1503+74 'TSB'
EXISTING 18" CPRC
EXTEND 14' RT

EXISTING PROFILE ELEVATION

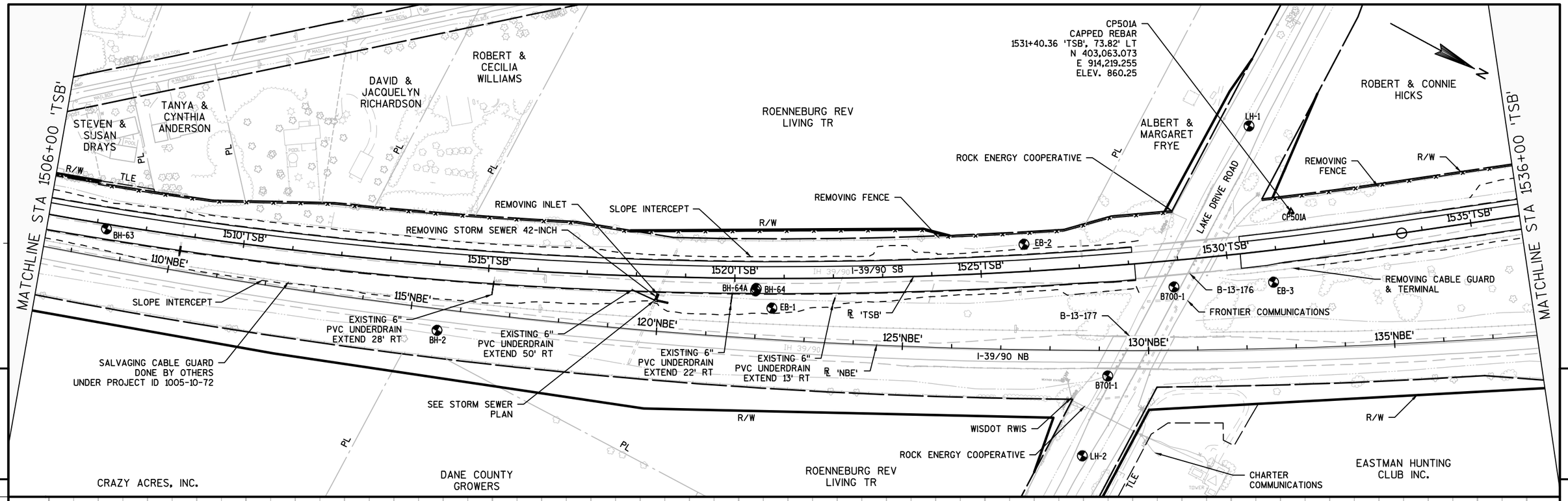
880 870 860 850 840 830 820 810

860.3 860.4 860.6 860.8 860.9 861.1 861.2 861.4 861.5 861.7 861.9 862.0 862.1 862.3 862.4 862.5 862.6 862.7 862.7 862.7 862.6 862.6 862.5 862.4 862.3 862.3 862.3 862.2 862.1 862.0 861.8 861.6 861.3 860.9 860.6 860.2 859.8 859.4 859.0 858.6 858.2 858.1 857.8 857.4 857.0 856.6 856.2 855.8 855.4 855.0 854.7 854.4 854.2 854.0 853.9 853.8 853.7 853.8 853.9 854.0 854.1

1480 1485 1490 1495 1500 1505 1506

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\050101_PP.DWG
PLOT DATE : 2/17/2016 2:56 PM
PLOT BY : KEVIN DRUNASKY
PLOT NAME : 050101_PP
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET 157	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\050101_PP.DWG
PLOT DATE : 2/17/2016 2:57 PM
PLOT BY : KEVIN DRUNASKY
PLOT NAME : 050102_PP
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
552A	153+82.10'NBE'	WEST BOLT ON SIGN BASE	831.41

MATCHLINE STA 1536+00 'TSB'

MATCHLINE STA 1566+00 'TSB'

CHARLES & LYNN BLACKBOURN

WALTER BLASKOWSKI

ARTHUR & LISA TEUBERT

JAMES & BRUCE JOHNSON

ROBERT & CONNIE HICKS

REMOVING FENCE

SLOPE INTERCEPT

R/W

DELINEATED WETLANDS

PL

1540'TSB' 1545'TSB' 1550'TSB' 1555'TSB' 1560'TSB' 1565'TSB'

I-39/90 SB

IH 39/90

BH-65 BH-65A

BH-66

SALVAGING CABLE GUARD

SLOPE INTERCEPT

C-13-3073
EXISTING TWIN CELL
54" CMP

REMOVING GUARDRAIL

℄ 'TSB'

140'NBE' 145'NBE' 150'NBE' 155'NBE' 160'NBE' 165'NBE'

BH-3

BH-4, BH-4A

MB-1

I-39/90 NB

℄ 'NBE'

BM552A

C-13-3074
EXISTING TWIN CELL
54" CMP

DELINEATED WETLANDS

EASTMAN HUNTING CLUB INC.

5

5

860 850 840 830 820 810 800 790

EXISTING PROFILE ELEVATION

854.8 853.9 853.0 852.0 851.1 850.2 849.2 848.3 847.4 846.4 845.5 844.6 843.6 842.7 841.8 840.9 840.0 839.0 838.1 837.1 836.2 835.3 834.5 833.7 833.0 832.3 831.6 831.0 830.4 829.8 829.3 828.7 828.3 827.9 827.5 827.2 826.9 826.7 826.4 826.3 826.2 826.1 826.0 826.0 826.0 826.1 826.2 826.4 826.5 826.7 827.1 827.4 827.7 828.1 828.5 829.0 829.5 830.0 830.6 831.2 831.8

STA 1540+50 'TSB'
EXISTING 30" CPRC

MEDIAN DITCH PROFILE

EXISTING GROUND
AT TSB R/L

STA 1555+74 'TSB'
EXISTING 54" CMP
EXTEND 27' RT

STA 1555+67 'TSB'
EXISTING 54" CMP
EXTEND 25' RT

MEDIAN DITCH PROFILE

1540 1545 1550 1555 1560 1565 1566

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET 158	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
553A	197+33.88'NBE'	WEST BOLT ON SIGN BASE	850.35

MATCHLINE STA 1566+00 'TSB'

MATCHLINE STA 1596+00 'TSB'

JAMES & BRUCE JOHNSON

PETTIT PROPERTIES LLC

T&R ENTERPRISES

EASTMAN HUNTING CLUB INC.

LORAND LTD

MAURER REV TR, WALTER O SR

CAUTION

ATC

REMOVING FENCE

R/W

SALVAGING CABLE GUARD & TERMINAL

REMOVING STORM SEWER 18-INCH

℄ 'TSB'

℄ 'NBE'

1570'TSB'

1575'TSB'

1580'TSB'

1585'TSB'

1590'TSB'

1595'TSB'

IH 39/90 SB

IH 39/90 NB

BH-67A

BH-67

BH-68

B1580M

B1582M

B1585M

170'NBE'

175'NBE'

180'NBE'

185'NBE'

190'NBE'

195'NBE'

SLOPE INTERCEPT

SEE STORM SEWER PLANS

B1570NB

BH-5

S396-1

BH-6

BM553A

REMOVING INLETS

SALVAGING CABLE GUARD & TERMINAL

CKSD SANITARY SEWER

DELINEATED WETLANDS

EXISTING GROUND AT TSB R/L

MEDIAN DITCH PROFILE

STA 1578+76 'TSB'
EXISTING 36" CPRC

STA 1578+71 'TSB'
EXISTING 36" CPRC

CKSD EXIST 6" FORCE MAIN IN 18" CASING

STA 1566+59 'TSB'
EXISTING 48" CMP
EXTEND 34' RT

EXISTING PROFILE ELEVATION

870 860 850 840 830 820 810 800

831.8 832.4 833.0 833.6 834.2 834.8 835.4 836.1 836.8 837.5 838.2 838.8 839.5 840.2 840.9 841.6 842.3 843.0 843.7 844.4 845.0 845.7 846.3 846.9 847.4 847.9 848.4 848.8 849.2 849.5 849.9 850.2 850.4 850.6 850.8 850.9 851.1 851.2 851.3 851.4 851.5 851.6 851.7 851.8 852.0 852.1 852.2 852.3 852.4 852.5 852.6 852.7 852.8 852.9 853.0 853.1 853.2 853.3 853.4 853.5 853.6

1570 1575 1580 1585 1590 1595 1596

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET 159	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\050101_PP.DWG PLOT DATE : 2/17/2016 2:59 PM PLOT BY : KEVIN DRUNASKY PLOT NAME : 050104_PP050104_PP PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

MATCHLINE STA 1596+00 'TSB'

MATCHLINE STA 1626+00 'TSB'

5

5

TRUCK STOP LLC

VICKI & WILLIAM GRIDLEY

CKSD SANITARY SEWER

ANNE OBRIECHT

PL

R/W

USH 51

73H-2

73H-9

73H-10

N

SLOPE INTERCEPT

DELINEATED WETLANDS

B-13-702

SEE STORM SEWER PLAN

SLOPE INTERCEPT

SB EXIT RAMP

BH-69

SB ENTRANCE RAMP

BH-70

IH 39/90 SB

1600'TSB'

1605'TSB'

1610'TSB'

1615'TSB'

1620'TSB'

IH 39/90 SB

1625'TSB'

R 'TSB'

200'NBE'

205'NBE'

210'NBE'

215'NBE'

220'NBE'

225'NBE'

IH 39/90 NB

ROCK ENERGY COOPERATIVE (NOT FIELD SURVEYED)

SEE STORM SEWER PLAN

BH-7

R 'NBE'

SEE STORM SEWER PLAN

SALVAGING CABLE GUARD

SALVAGING CABLE GUARD TERMINAL

BH-8

SLOPE INTERCEPT

NB EXIT RAMP

NB ENTRANCE RAMP

73H-8

LORAND LTD

PH-1

73H-5

PIERCE ROAD

TLE

R/W

FRONTIER NOT FIELD VERIFIED

DELINEATED WETLANDS

73H-6

73H-3

STH 73

73H-7

B621TA

B619TA

R/W

MAURER REV TR, WALTER O SR

DARWIN & PATRICIA ORMSON

TLE

HENRY & RITA BRATLAND

880

870

860

850

840

830

820

810

EXISTING GROUND AT TSB R/L

MEDIAN DITCH PROFILE

STA 1604+73 'TSB'
EXISTING 36" CPRC

STA 1609+23 'TSB'
EXISTING 18" CPRC
(SEE STORM SEWER PLANS)

STA 1620+73 'TSB'
EXISTING 18" CPRC
EXTEND 13' RT

EXISTING PROFILE ELEVATION

853.6 853.7 853.8 853.9 854.0 854.1 854.2 854.3 854.4 854.5 854.6 854.7 854.8 854.9 855.0 855.1 855.2 855.3 855.4 855.5 855.6 855.7 855.8 855.9 856.0 856.1 856.2 856.3 856.3 856.3 856.3 856.3 856.3 856.3 856.3 856.4 856.3 856.5 856.6 856.8 857.0 857.2 857.4 857.6 857.8 858.0 858.1 858.2 858.3 858.5 858.6 858.7 858.8 858.9 859.0 859.0 859.1 859.1 859.1 859.1 859.1 859.0

1600 1605 1610 1615 1620 1625 1626

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET 160	E

JACOB & LINDA REPPEN

BRET & BRENDA BROOKENS

HARDING JT REV TR

MARK & LINDA EVERSON

N

MATCHLINE STA 1626+00 'TSB'

MATCHLINE STA 1656+00 'TSB'

EDGERTON ROAD

106H-1

ROCK ENERGY COOPERATIVE

REMOVING FENCE

R/W

SEE STORM SEWER PLAN

PL

BH-71

SB EXIT RAMP

S397-1

BH-72

℄ 'TSB'

B-13-703

1630'TSB'

IH 39/90 SB

1635'TSB'

1640'TSB'

1645'TSB'

1650'TSB'

1655'TSB'

230'NBE'

235'NBE'

240'NBE'

245'NBE'

250'NBE'

255'NBE'

B1645M

B1647M

B1650M

IH 39/90 NB

BH-9

SLOPE INTERCEPT

NB ENTRANCE RAMP

SEE STORM SEWER PLAN

℄ 'NBE'

BH-10

REMOVING SMALL PIPE CULVERT & ABANDONING CULVERT PIPE

R/W

ALLIANT ENERGY

HENRY & RITA BRATLAND

ROGER & NANCY OLSON

5

5

880

870

860

850

840

830

820

810

EXISTING GROUND AT TSB R/L

MEDIAN DITCH PROFILE

MEDIAN DITCH PROFILE

STA 1631+76 'TSB' EXISTING 36" CPRC

STA 1631+71 'TSB' EXISTING 36" CPRC

STA 1633+73 'TSB' EXISTING 18" CPRC (SEE STORM SEWER PLANS)

STA 1641+74 'TSB' EXISTING 18" CPRC (SEE STORM SEWER PLANS)

EXISTING PROFILE ELEVATION

859.0 859.0 858.9 858.9 858.8 858.7 858.5 858.4 858.2 858.1 857.9 857.7 857.6 857.5 857.3 857.2 857.0 856.9 856.7 856.6 856.4 856.2 856.1 855.9 855.8 855.6 855.4 855.3 855.1 854.9 854.8 854.6 854.4 854.2 854.0 853.8 853.6 853.4 853.2 853.0 852.8 852.6 852.4 852.2 852.0 851.8 851.6 851.4 851.2 851.0 850.8 850.5 850.2 849.9 849.6 849.3 849.0 848.8 848.5 848.3 848.2

1630 1635 1640 1645 1650 1655 1656

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\050101_PP.DWG PLOT DATE : 2/17/2016 3:02 PM PLOT BY : KEVIN DRUNASKY PLOT NAME : 050106_PP050106_PP PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

MATCHLINE STA 1656+00 'TSB'

MATCHLINE STA 1686+00 'TSB'

PALZKILL PROPERTIES LLC

ROGER & NANCY OLSON

ROGER & NANCY OLSON

ROGER & NANCY OLSON

CRAZY ACRES INC.

DELINEATED WETLANDS

REMOVING GUARDRAIL

REMOVING FENCE

REMOVING FENCE

R/W

PL

SAUNDERS CREEK

BH-73

MB-2

℄ 'TSB'

BH-74

SEE STORM SEWER PLANS

B704-2

B704-2A

REMOVING GUARDRAIL

BH-75

1660'TSB'

1665'TSB'

IH 39/90/USH 51

1670'TSB'

IH 39/90 SB

1675'TSB'

1680'TSB'

B704-1

1685'TSB'

260'NBE'

265'NBE'

270'NBE'

275'NBE'

280'NBE'

B705

285'NBE'

SEE STORM SEWER PLANS

BH-11

SEE STORM SEWER PLANS

IH 39/90 NB

REMOVING GUARDRAIL ONLY WITHIN SLOPE INTERCEPT

B705-1

STRUCTURE B-13-208

MB-3

℄ 'NBE'

SLOPE INTERCEPT

DELINEATED WETLANDS

R/W

SAUNDERS CREEK

ROGER & NANCY OLSON

CRAZY ACRES INC.

EXISTING GROUND AT TSB R/L

EXISTING STRUCTURE B-13-208 WIDEN, SEE STRUCTURE PLANS

STA 1660+74 'TSB'
EXISTING 18" CPRC
EXTEND 4' LT

STA 1661+81 'TSB'
EXISTING 36" CPRC
EXTEND 9' LT

STA 1661+74 'TSB'
EXISTING 36" CPRC
EXTEND 9' LT

MEDIAN DITCH PROFILE

STA 1668+74 'TSB'
EXISTING 24" CPRC
(SEE STORM SEWER PLANS)

EXISTING PROFILE ELEVATION

880 870 860 850 840 830 820 810

848.2 848.0 848.0 847.9 847.8 847.7 847.6 847.4 847.2 847.0 846.8 846.6 846.4 846.2 846.0 845.8 845.6 845.4 845.2 845.0 844.8 844.6 844.5 844.3 844.2 844.1 844.1 844.1 844.0 844.0 844.0 844.0 844.1 844.1 844.2 844.2 844.4 844.5 844.7 844.8 845.0 845.2 845.5 845.7 845.8 846.0 846.2 837.3 846.6 847.0 847.4 847.7 848.0 848.2 848.5 848.8 849.0 849.3 849.5 849.8 850.1

1660 1665 1670 1675 1680 1685 1686

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET 162	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\050101_PP.DWG PLOT DATE : 2/17/2016 3:03 PM PLOT BY : KEVIN DRUNASKY PLOT NAME : 050107_PP050107_PP PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

ERIC & CHERYL NUENTHEL

LENOX LANDSCAPE & SUPPLY LLC

MELVIN & BONITA BECKER

WILLIAM & JILL MYHRE JOHN & KATHRINE NELSON

CRAZY ACRES INC.

MATCHLINE STA 1686+00 'TSB'

CP505A
CAPPED REBAR
1700+02.57 'TSB', 72.74' RT
N 416,706.663
E 904,352.640
ELEV. 750.94

REMOVING FENCE

REMOVING GUARDRAIL

C-13-3076

SLOPE INTERCEPT

℄ 'TSB'

℄ 'NBE'

IH 39/90 SB

IH 39/90 NB

IH 39/90/USH 51

R/W

PL

GOLF COURSE

GOLF GREEN

SIGN

1690'TSB'
1695'TSB'
1700'TSB'
1705'TSB'
1710'TSB'
1715'TSB'

290'NBE'
295'NBE'
300'NBE'
305'NBE'
310'NBE'
315'NBE'

EB-4
BH-12, BH-12A
EB-5
B1700M
BH-76
CP505A
B1704M
BH-13
B1713M
BH-77
B1716M

END PROJECT 1007-10-78
STA 1715+00'TSB'
MATCH PROJECT ID 1007-10-79

TRIBUTARY SAUNDERS CREEK

EXISTING GROUND AT TSB R/L

MEDIAN DITCH PROFILE

STA 1703+73 'TSB'
EXISTING 18" CPRC
EXTEND 16' RT

STA 1713+98 'TSB'
EXISTING 8'x10' BOX CULVERT
EXTEND 36' RT
SEE STRUCTURE DRAWING C-13-3076

EXISTING PROFILE ELEVATION

880 870 860 850 840 830 820 810

850.1 850.3 850.6 850.9 851.2 851.5 851.7 852.0 852.3 852.6 852.8 853.1 853.4 853.6 853.9 854.1 854.4 854.7 855.0 855.2 855.5 855.7 856.0 856.2 856.4 856.6 856.7 856.9 856.9 856.9 856.9 857.0 856.9 856.8 856.8 856.6 856.4 856.2 856.0 855.8 855.5 855.3 855.0 854.8 854.5 854.2 854.0 853.7 853.5 853.2 853.0 852.7 852.5 852.2 851.9 851.7 851.4 851.2 851.0 850.8 850.7

1690 1695 1700 1705 1710 1715 1716

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 SB	SHEET 163	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\050101_PP.DWG PLOT DATE : 2/17/2016 3:04 PM PLOT BY : KEVIN DRUNASKY PLOT NAME : 050108_PP050108_PP PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

WALTER BLASKOWSKI

ARTHUR & LISA TEUBERT

JAMES & BRUCE JOHNSON

JAMES & BRUCE JOHNSON

PETTIT PROPERTIES LLC

N

PC: 1559+62.33'TBX'
Y = 405379.01
X = 912607.00

PI: 1561+82.69'TBX'
Y = 405546.18
X = 912496.55

PC: 1563+69.69'TBX'

PT: 1566+75.66'TBX'

PC: 1573+87.74'TBX'

PT: 1579+85.40'TBX'

CAUTION

ATC

R/W

℄ 'TSB'

SEE STORM SEWER PLAN

IH 39/90 SB

IH 39/90 NB

1560'TSB'
1560'TBX'
1565'TSB'
1565'TBX'
1570'TSB'
1570'TBX'
1575'TSB'
1575'TBX'
1580'TSB'
1580'TBX'
1585'TSB'
1585'TBX'

160'NBE'
165'NBE'
170'NBE'
175'NBE'
180'NBE'
185'NBE'
190'NBE'

STA 1559+62.33'TSB' 24' RT=
STA 1559+62.33'TBX'

CURVE TBX1

SLOPE INTERCEPT

℄ 'NBE'

℄ 'TBX'

CURVE TBX2

SEE STORM SEWER PLANS

DELINEATED WETLANDS

STA 181+78.13'NBE' 13' RT=
STA 1579+85.40'TBX'

DELINEATED WETLANDS

R/W

EASTMAN HUNTING CLUB INC.

5

5

CONTROLLED BY 'TBX' PROFILE

CONTROLLED BY EXISTING 'NBE' PROFILE

VCL = 200.00

K = 350.70

CONTROLLED BY 'TSB' PROFILE

CONTROLLED BY 'TBX' PROFILE

STA 1567+29.27
EL 832.32

PROPOSED PROFILE AT 'TBX'

1.10%

1.67%

STA 1575+00.72
EL 841.37

FINISHED GRADE AT 'TBX'

EXISTING GROUND AT TBX ℄

FINISHED GRADE AT 'TBX'

STA 1566+57'TBX'
EXISTING 48" CPCM
EXTEND 34' RIGHT

VPC STA 1573+00.72
VPC EL 838.60

VPI STA 1574+00.72
VPI EL 839.70

VPT STA 1575+00.72
VPT EL 841.37

STA 1576+24'TBX'
EXISTING 2-36" CPCM

MEDIAN DITCH PROFILE

EXISTING PROFILE ELEVATION

870
860
850
840
830
820
810
800

823.4 826.02 823.3 826.16 823.6 826.42 823.6 826.68 824.5 826.99 825.1 827.35 826.4 827.78 827.8 828.25 828.9 828.75 828.9 829.25 827.7 829.82 827.8 830.38 827.5 830.92 824.1 831.46 827.6 832.00 828.7 832.55 829.4 833.10 830.2 833.65 832.0 834.20 832.7 834.75 834.1 835.30 833.8 835.85 834.1 836.40 834.6 836.94 835.3 837.49 835.8 838.04 836.0 838.59 836.7 839.18 837.4 839.83 839.0 840.56 840.5 841.36 841.7 842.14 842.7 842.84 843.6 844.2 844.7 845.3 845.8 846.2 846.6 846.9 847.2 847.5 847.7 847.9 848.0 848.2 848.3 848.4 848.6 848.7 848.9 849.0 849.2 849.3 849.5 849.7

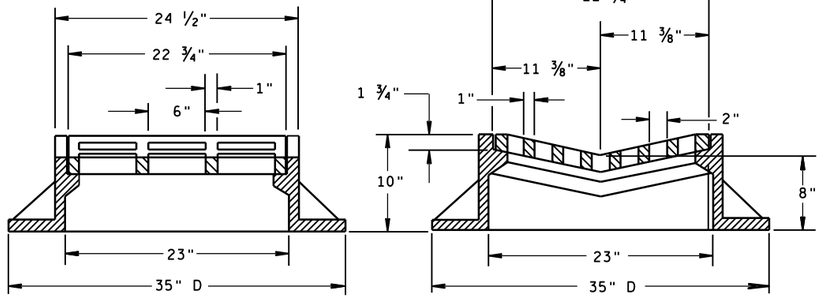
1560'TBX' 1565'TBX' 1570'TBX' 1575'TBX' 1580'TBX' 1585'TBX' 1588'TBX'

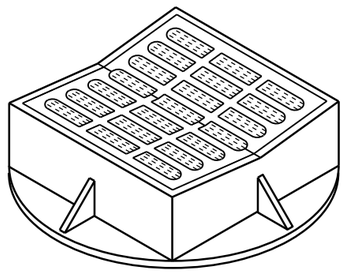
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	PLAN AND PROFILE: IH 39 NB EXIT CROSSOVER	SHEET 164 E

Standard Detail Drawing List

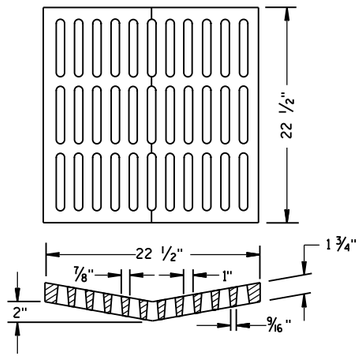
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
08D13-01	SLOTTED CORRUGATED METAL PIPE SURFACE DRAINS
08D15-05A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E11-02	TURBIDITY BARRIER
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE FRAINS
11A01-05	MAINTENANCE CROSSOVER FOR FREEWAYS
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
14B52-01A	CABLE BARRIER TYPE 1 LAYOUT
14B52-01B	CABLE BARRIER TYPE 1 LAYOUT
15A02-08	DELINEATOR POST, DELINEATOR, AND DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15B01-08A	FENCE WOVEN WIRE
15B01-08B	FENCE WOVEN WIRE
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C11-06	FLEXIBLE TUBULAR MARKER POST
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15D11-06	TRAFFIC CONTROL, SINGLE LANE CROSSOVER
15D15-02	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D16-03	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D27-02	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

6



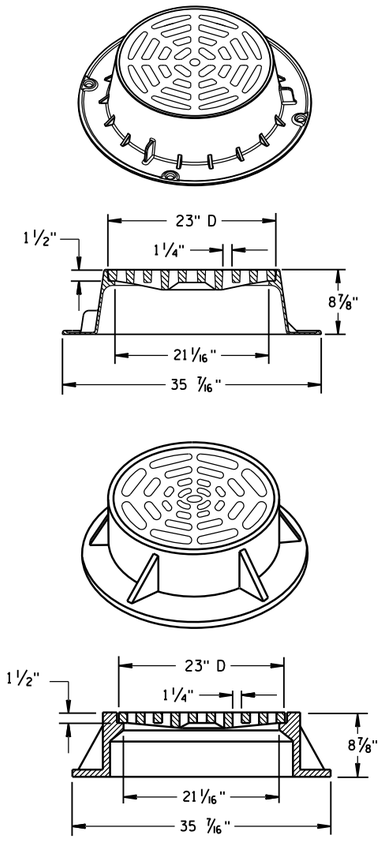


TYPE "B"



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"

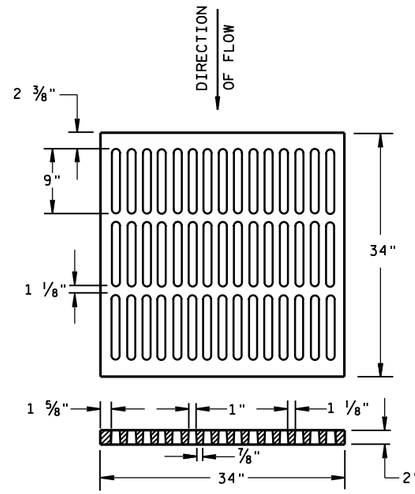
NOTE: EITHER CASTING IS ACCEPTABLE

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.

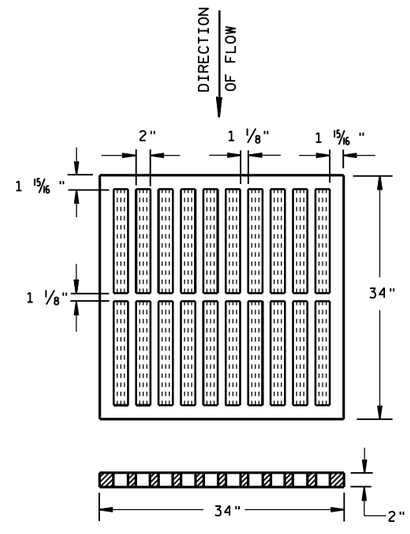
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



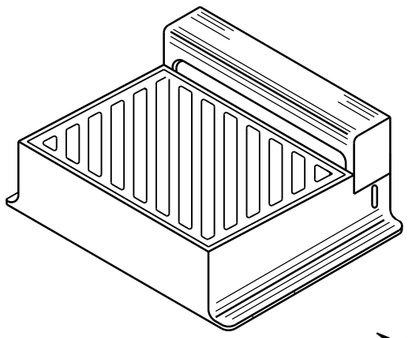
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

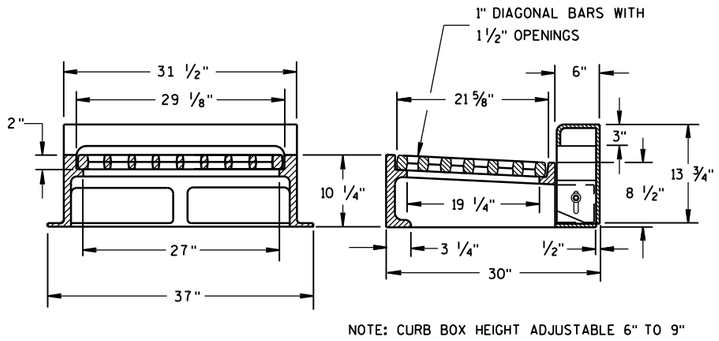


TYPE "MS"

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"

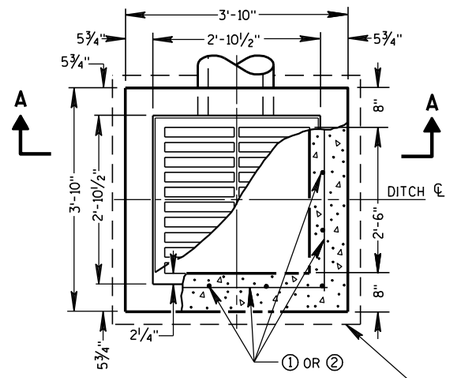
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

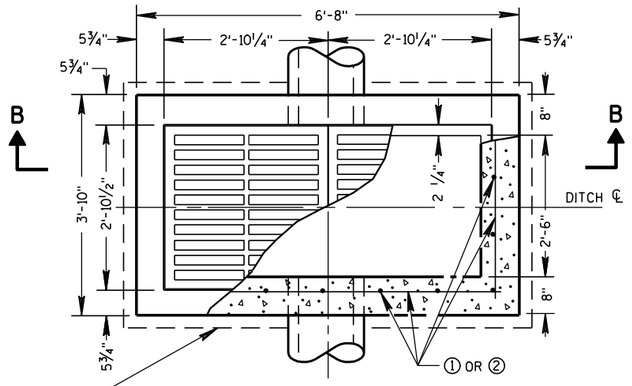
APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 A 5-19b

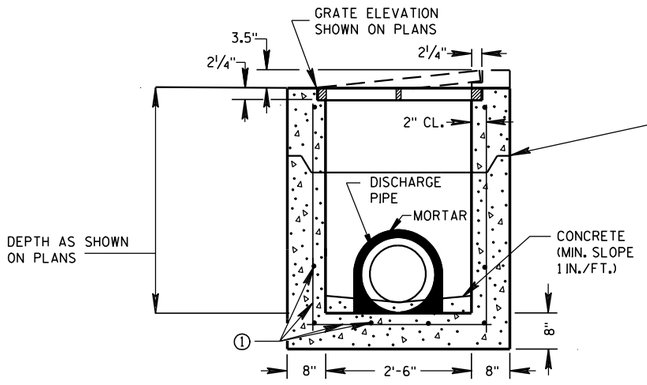


PLAN VIEW

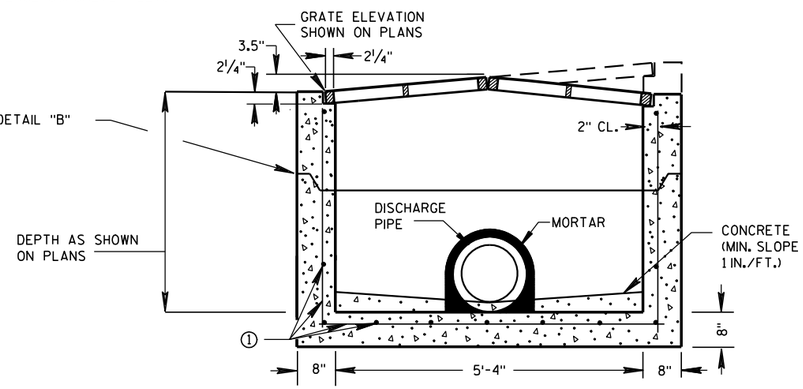


PLAN VIEW

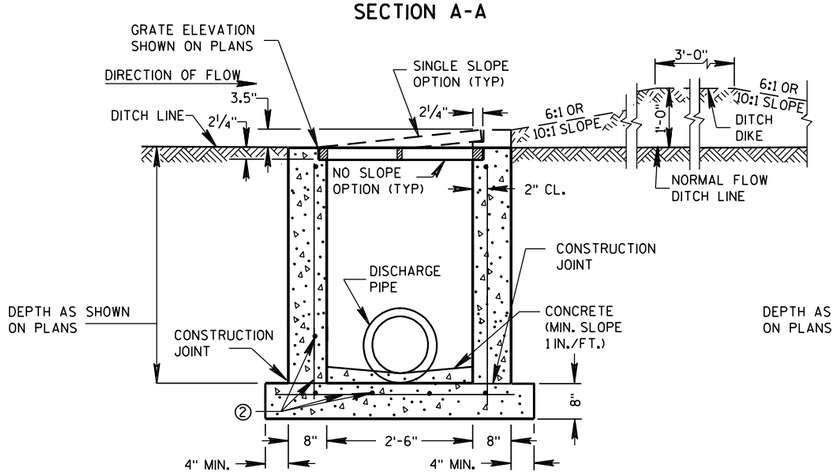
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



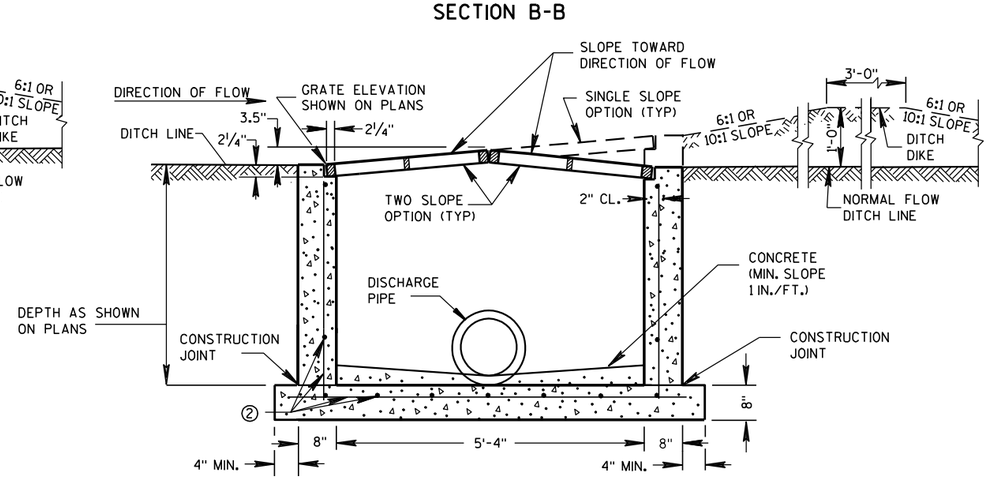
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

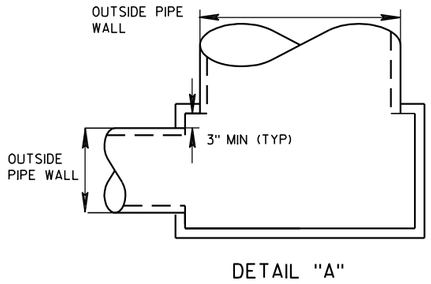
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

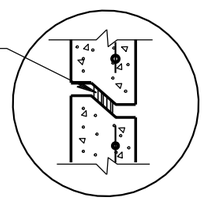
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

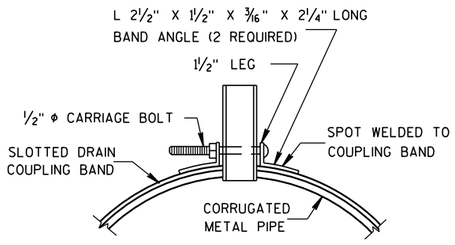
APPROVED

6/5/2012
DATE

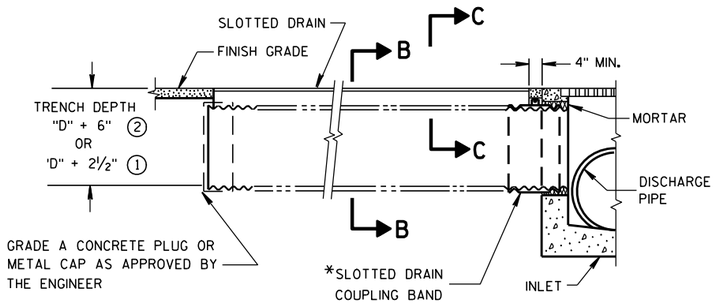
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

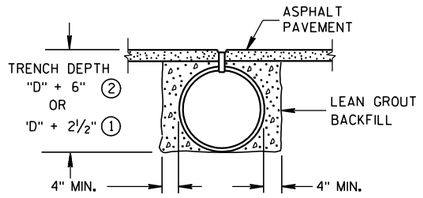
6
S.D.D. 8 C 8-1



SECTION A-A



SLOTTED DRAIN INSTALLATION TYPE "A"



SECTION B-B

GENERAL NOTES

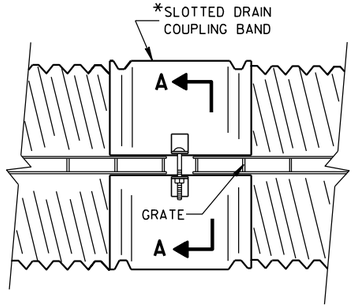
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

BACKFILL MATERIAL

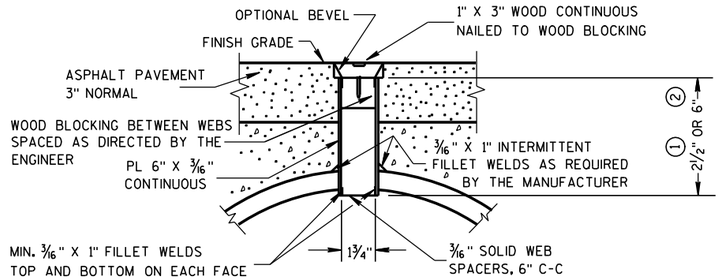
THE LEAN GROUT BACKFILL MATERIAL SHALL BE A FINE AGGREGATE, IN ACCORDANCE WITH SUBSECTION 501.3.6.3.6 OF THE STANDARD SPECIFICATIONS, MIXED WITH 150 POUNDS OF CEMENT AND APPROXIMATELY 30 GALLONS OF WATER FOR EACH 3000 POUNDS OF FINE AGGREGATE.

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.

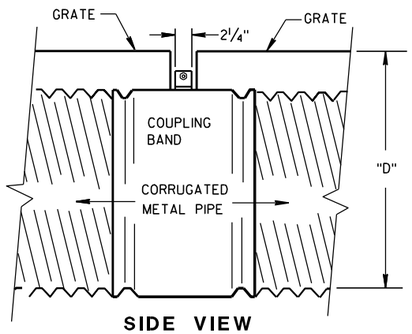


PLAN VIEW



SECTION C-C

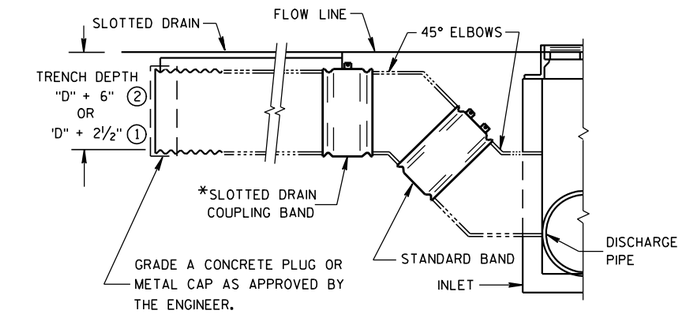
GRATE SLOT DETAIL



SIDE VIEW

*TYPICAL COUPLING BAND FOR SLOTTED DRAIN

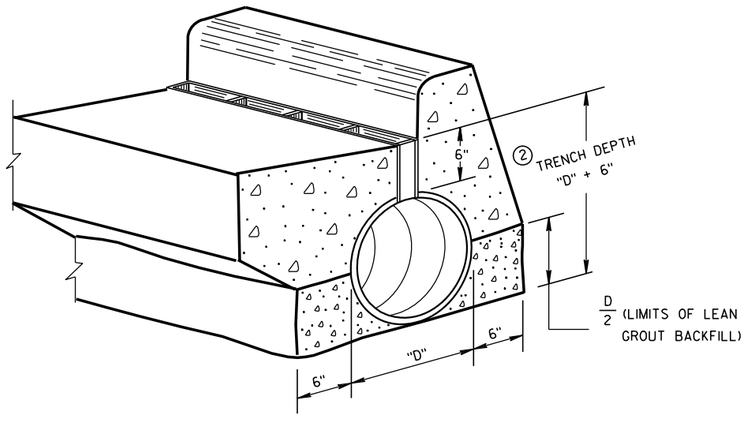
(ALTERNATES PERMITTED AS APPROVED BY THE ENGINEER)



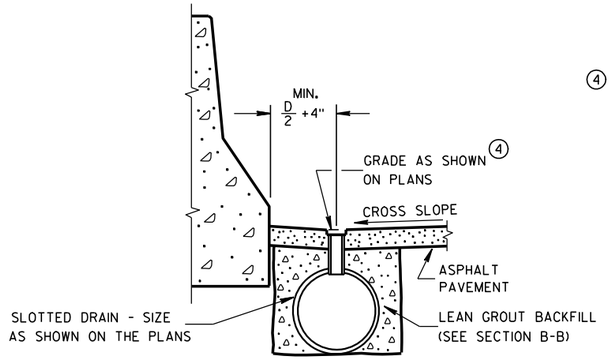
SLOTTED DRAIN INSTALLATION TYPE "B"

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

6

S.D.D. 13 D 13-1

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) UNPERFORATED PIPE UNDERDRAIN AND FITTINGS FURNISHED FOR OUTFALL PIPE SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:

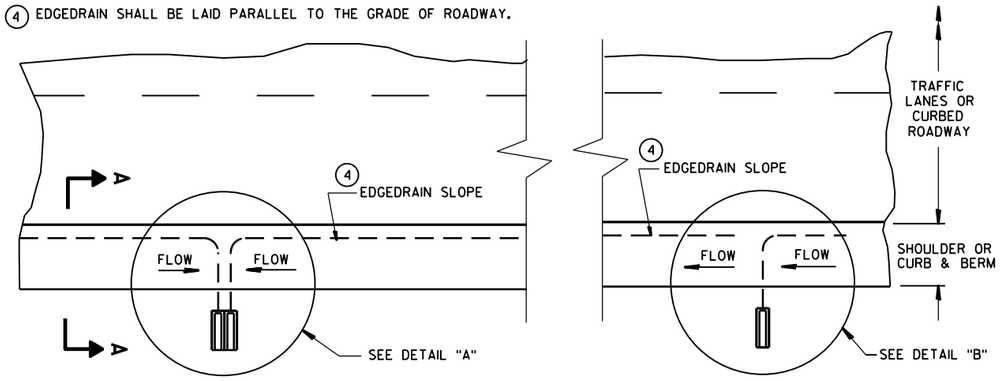
POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS, ASTM D 2665, SCHEDULE 40 PVC.

TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, ASTM D 3034, SDR 23.5 PVC SEWER PIPE.

(2) MAXIMUM SPACING OF EDGEDRAIN OUTLETS SHALL BE 250 FEET UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

(3) EDGEDRAIN SHALL BE CONNECTED TO INLETS REGARDLESS OF FLOW DIRECTION FOR DRAINAGE AND MAINTENANCE ACCESS.

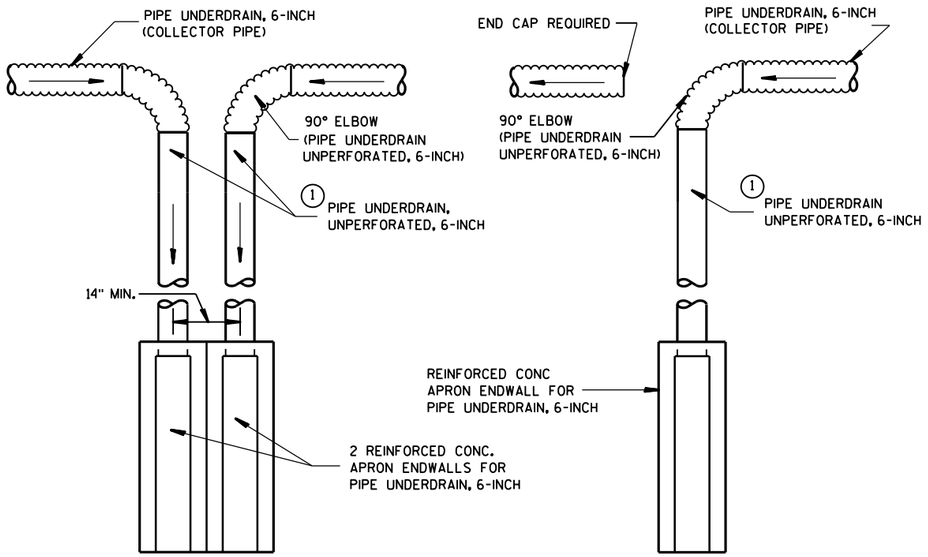
(4) EDGEDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF ROADWAY.



PLAN VIEW

ROADWAY WITH SHOULDERS OR CURBS

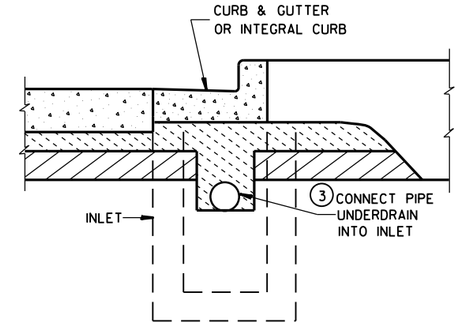
(EDGEDRAIN OUTLETS TO ROADSIDE)(2)



DETAIL "A"
TO BE USED AT LOW POINT LOCATIONS

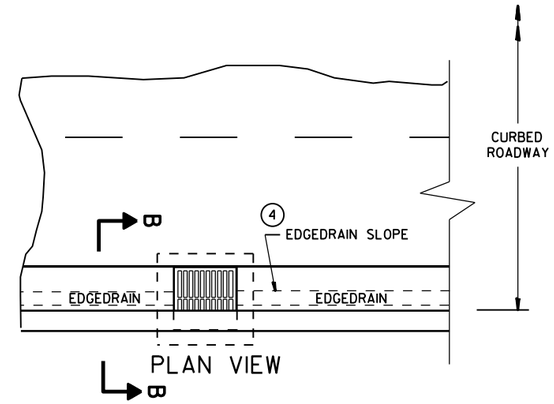
DETAIL "B"
TO BE USED AT INTERMEDIATE LOCATIONS

TYPICAL DRAIN OUT DETAILS



SECTION B-B

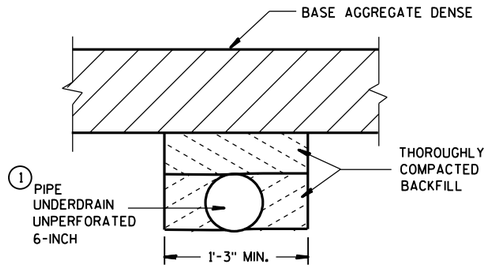
URBAN CROSS SECTION



PLAN VIEW

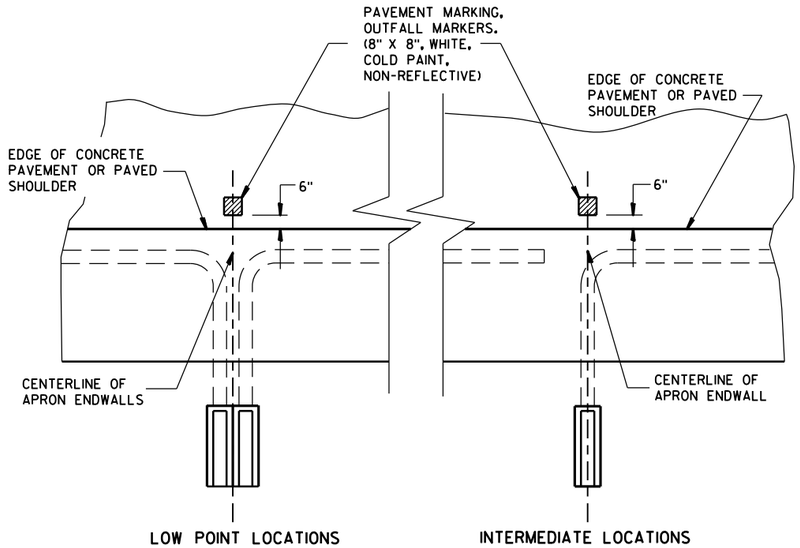
ROADWAY WITH CURBS

(EDGEDRAIN CONNECTS INTO INLET STRUCTURE)



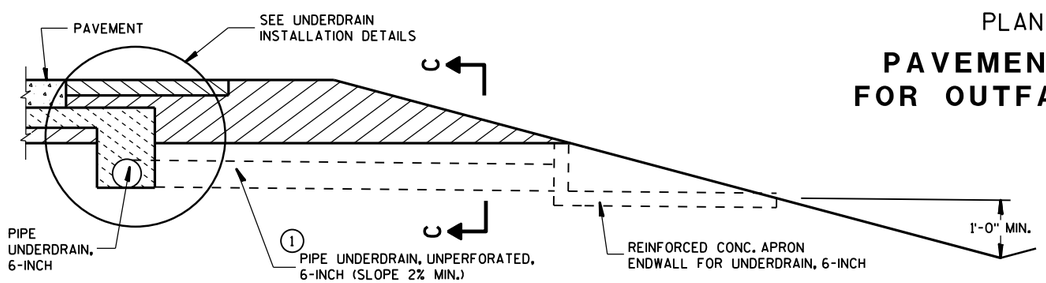
SECTION C-C

(TRENCH FOR OUTFALL PIPE)



PLAN VIEW

PAVEMENT MARKING FOR OUTFALL MARKERS



SECTION A-A

RURAL CROSS SECTION

EDGEDRAIN OUTLET AND OUTFALL MARKERS

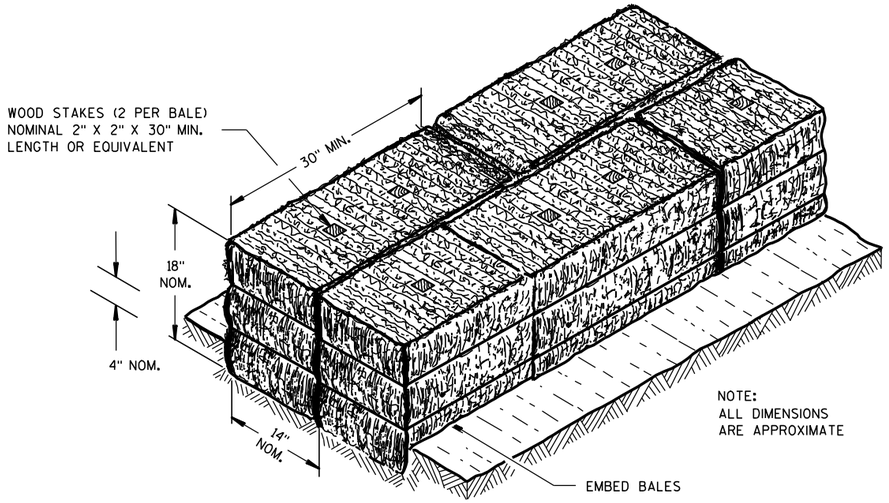
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

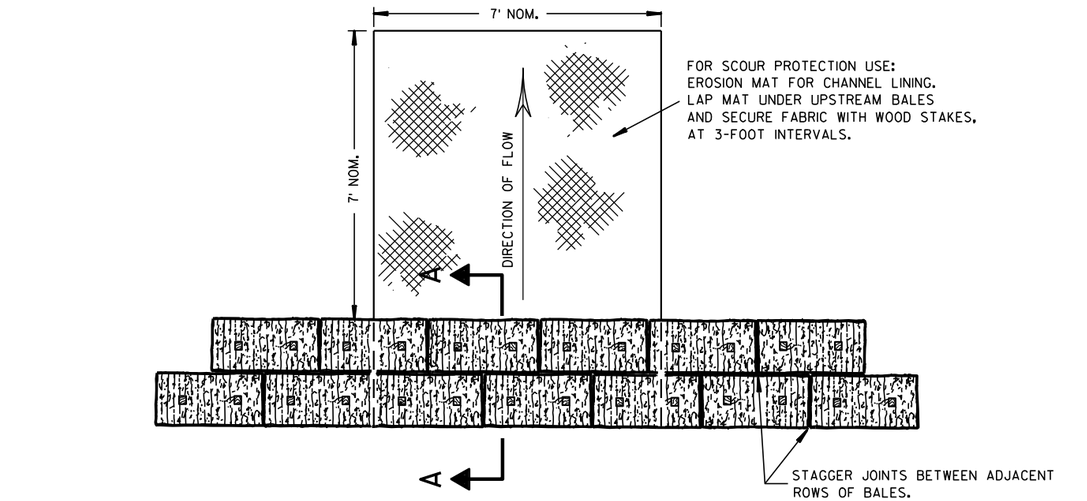
S.D.D. 8 D 15-5a

6

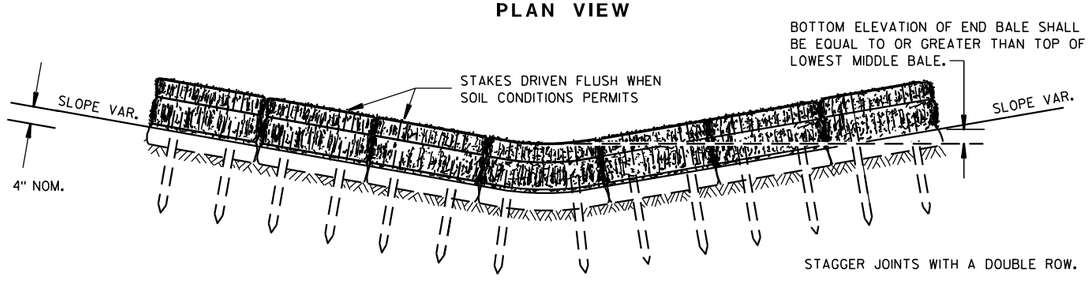
S.D.D. 8 D 15-5a



SECTION A-A



PLAN VIEW



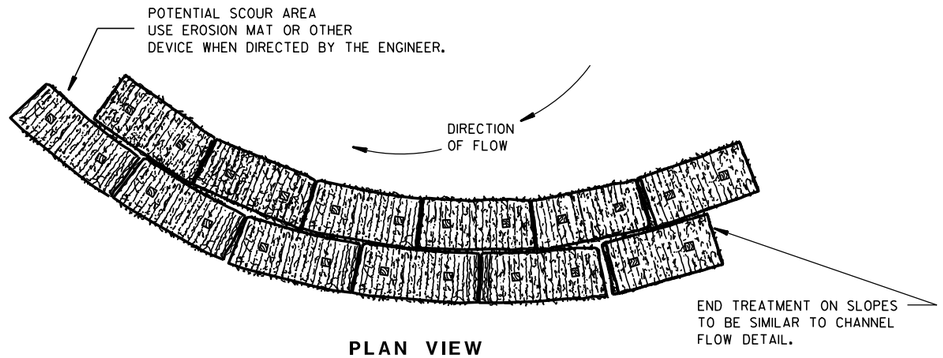
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

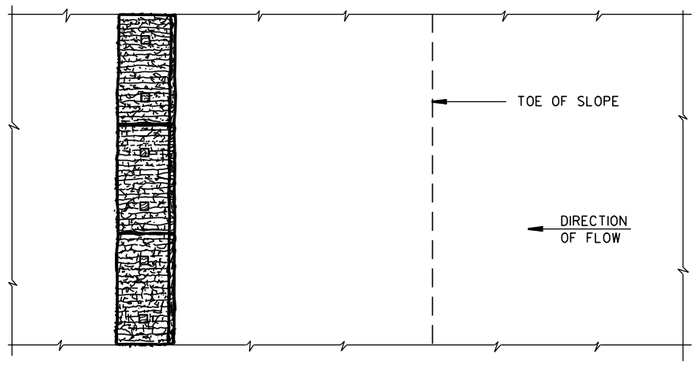
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

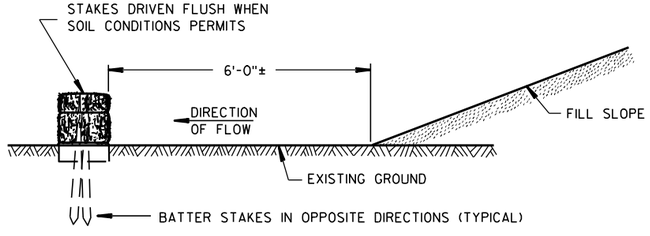


PLAN VIEW

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

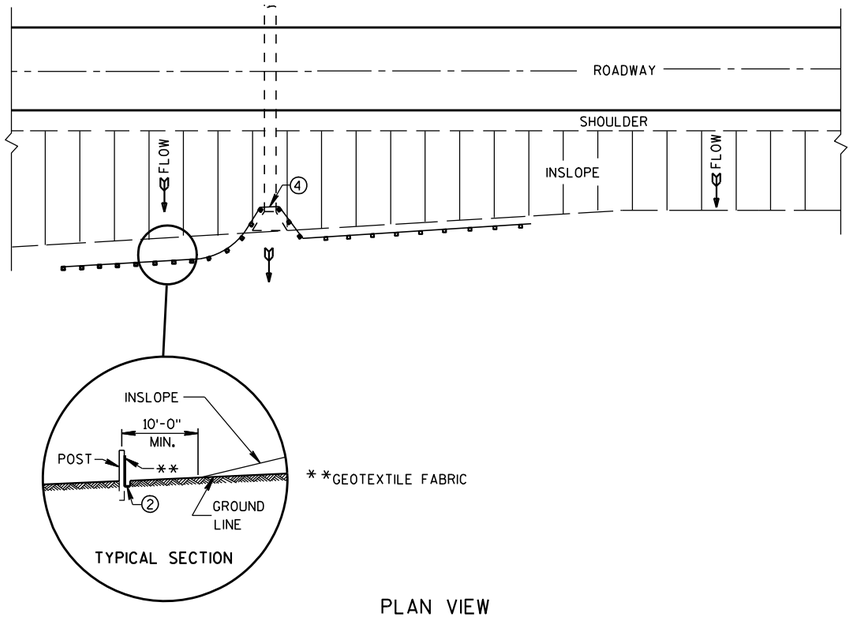
APPROVED
6/04/02 DATE
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

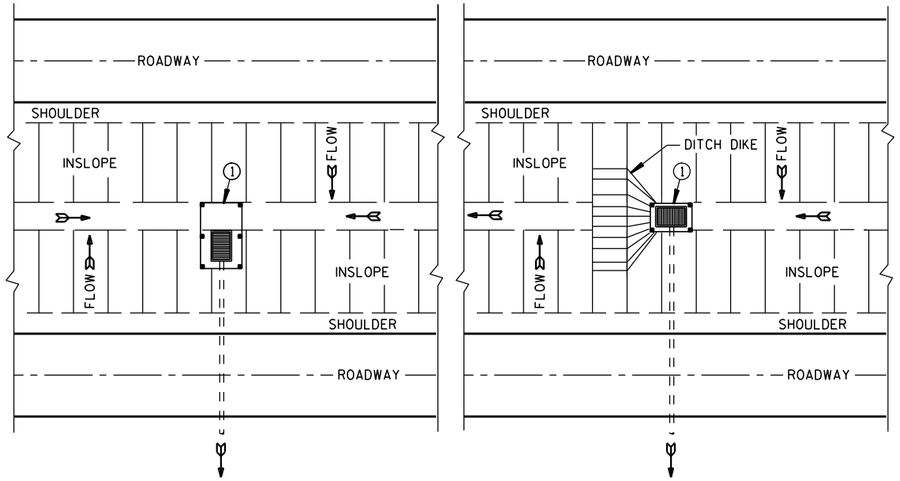
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



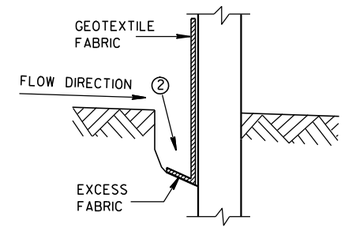
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

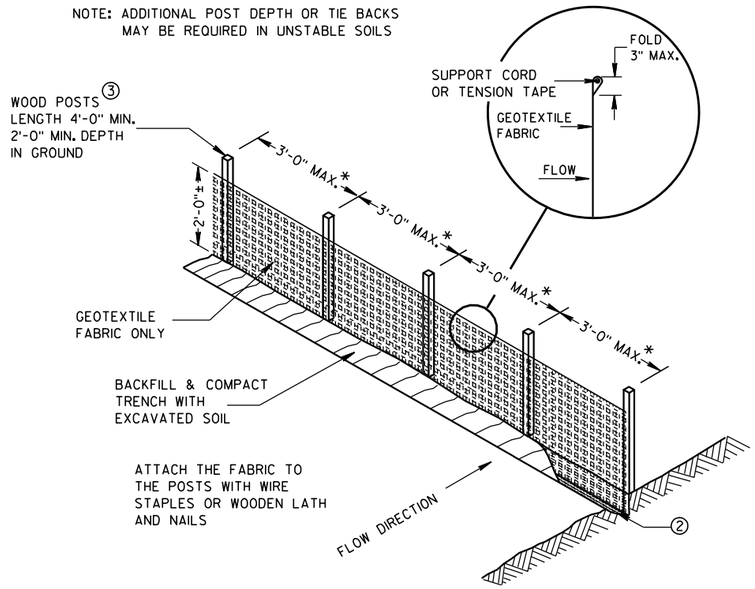
GENERAL NOTES

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.

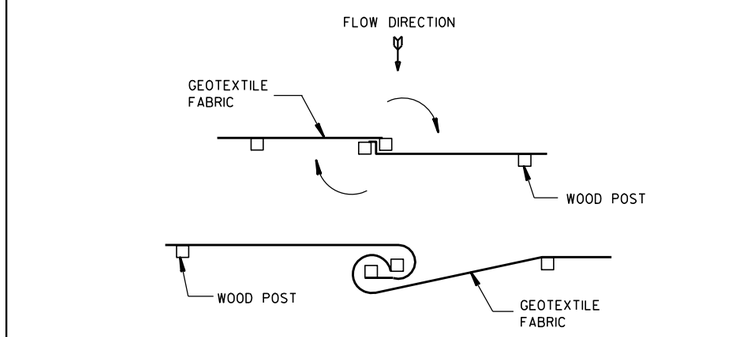


TRENCH DETAIL

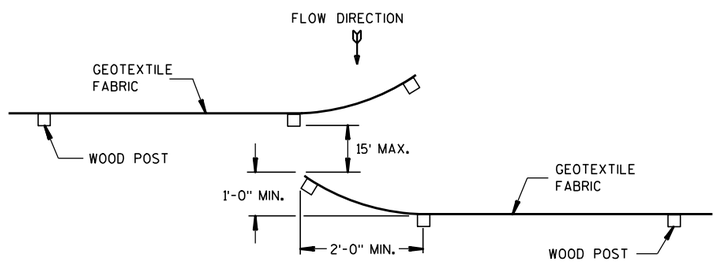


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

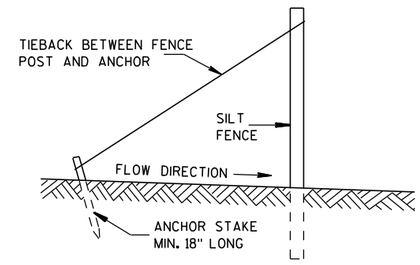


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

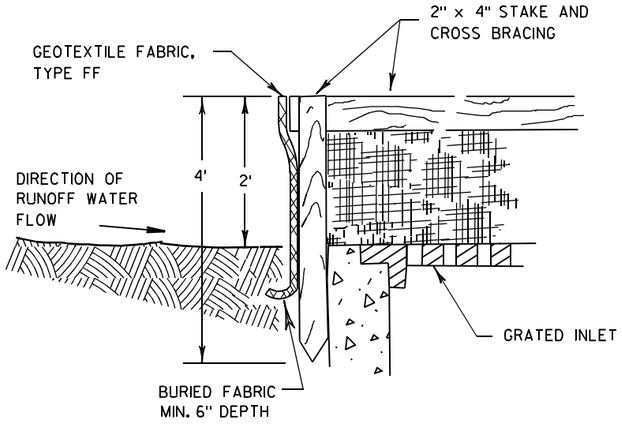
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

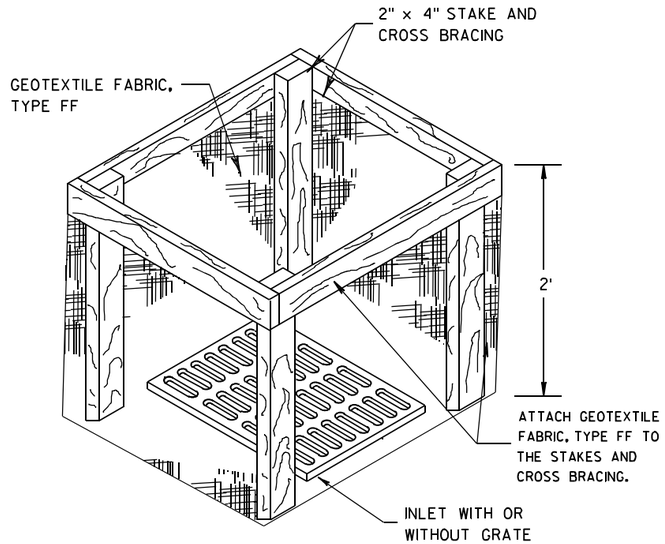
6

S.D.D. 8 E 9-6

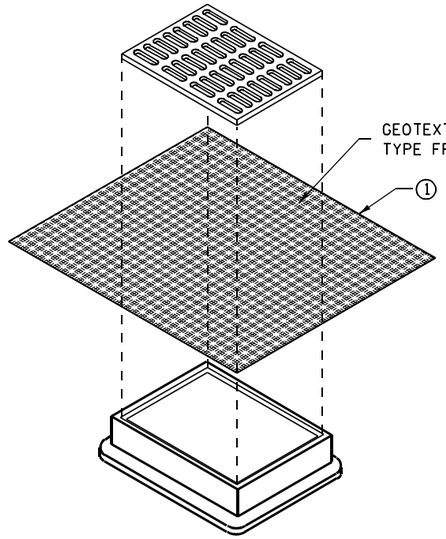
6

S.D.D. 8 E 9-6



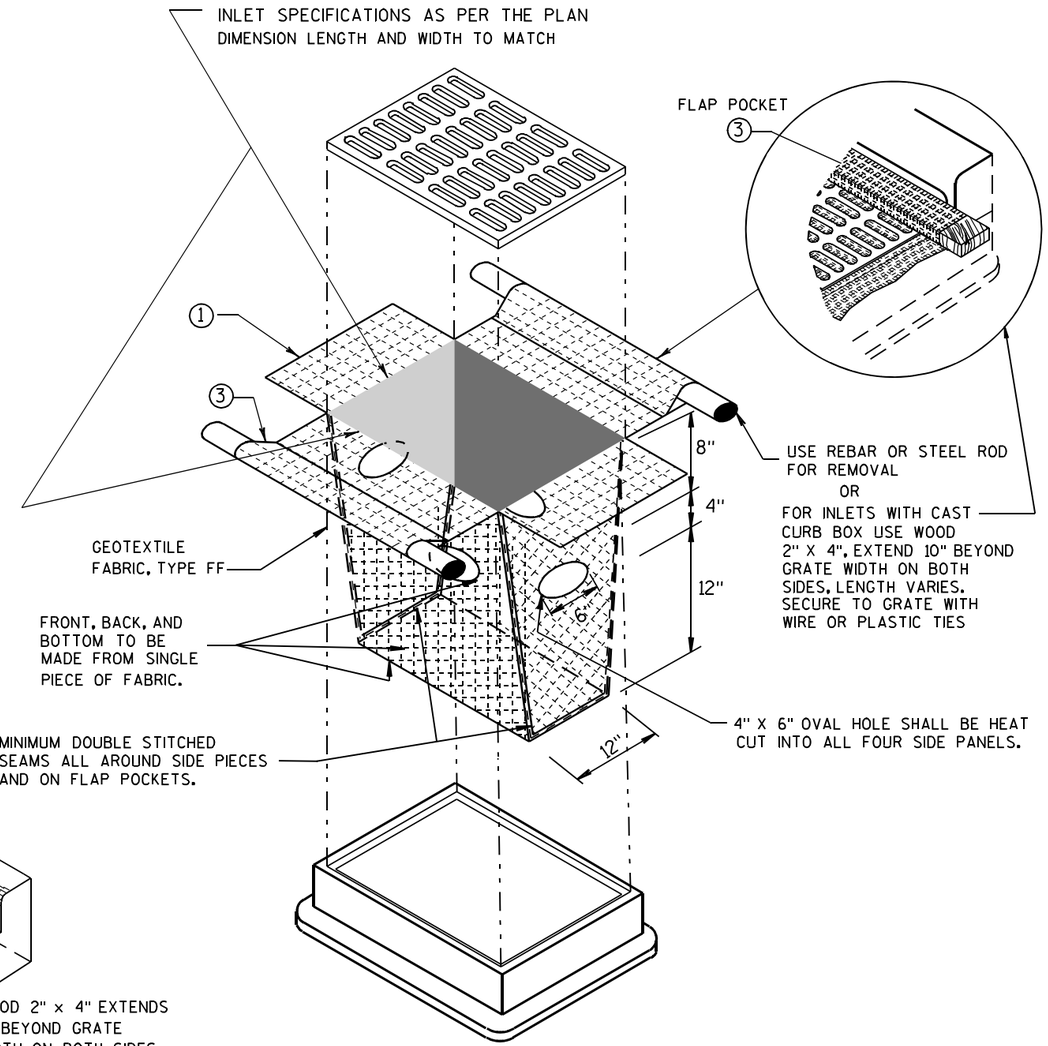


INLET PROTECTION, TYPE A



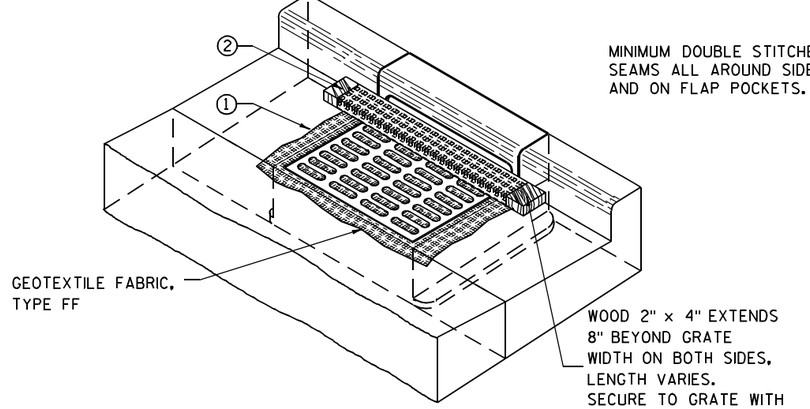
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

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

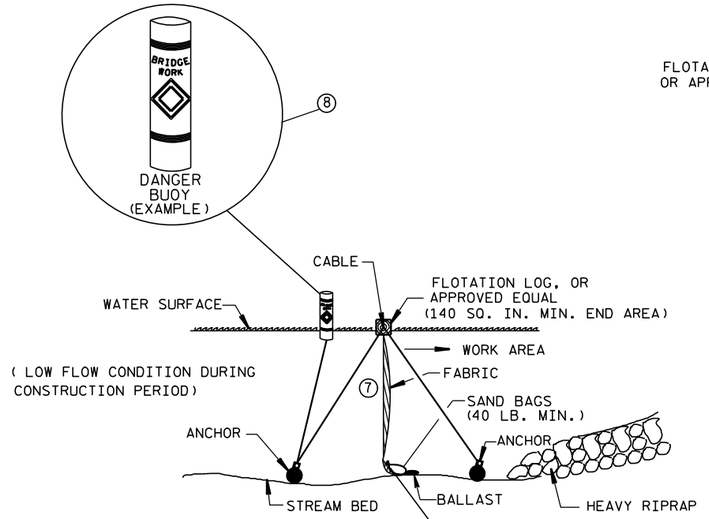
APPROVED

10/16/02
DATE

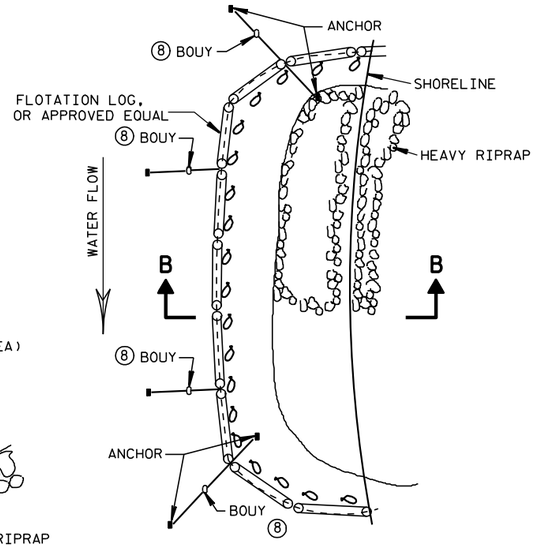
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

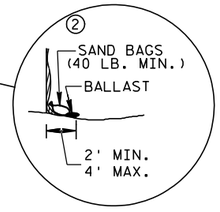
FHWA

6
S.D.D. 8 E 10-2

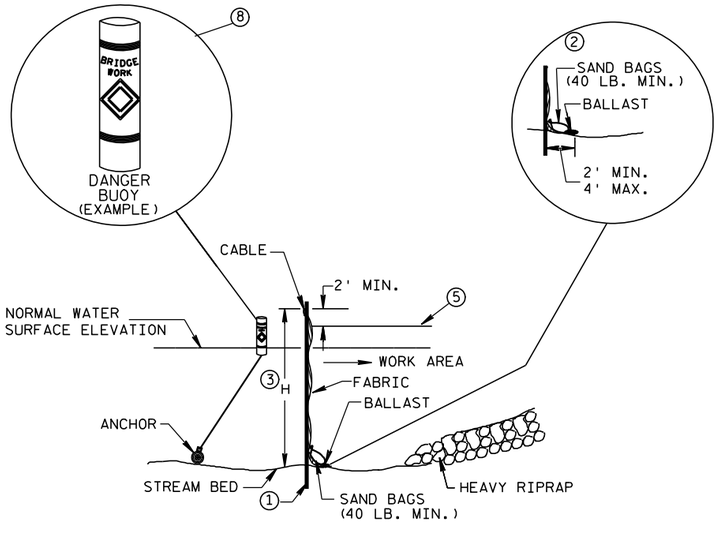


SECTION B-B

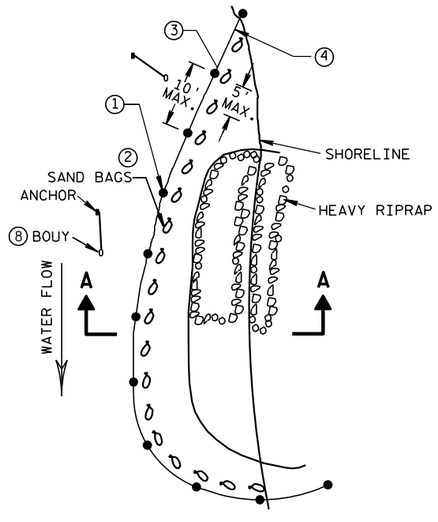




TURBIDITY BARRIER FLOAT ALTERNATIVE
CAUTION - SEE NOTE 6



SECTION A-A



PLAN VIEW

TURBIDITY BARRIER STANDARD POST INSTALLATION

TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

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

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.

② SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.

③ WHEN BARRIER HEIGHT, H, EXCEEDS 8 FT., POST SPACING MAY NEED TO BE DECREASED.

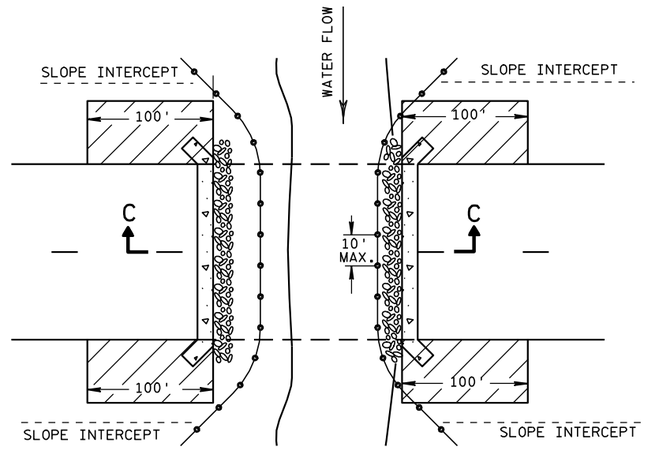
④ IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.

⑤ ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MIMIMUM BARRIER HEIGHT SHALL BE 2'GREATER THAN EITHER THE O2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WICHEVER IS GREATER.

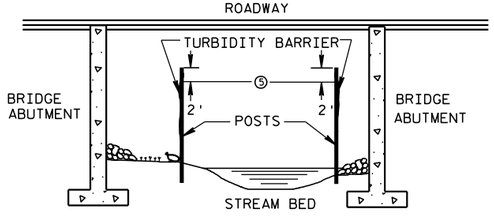
⑥ FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BED ROCK PREVENTS THE INSTALLATION OF POSTS.

⑦ ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.

⑧ USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

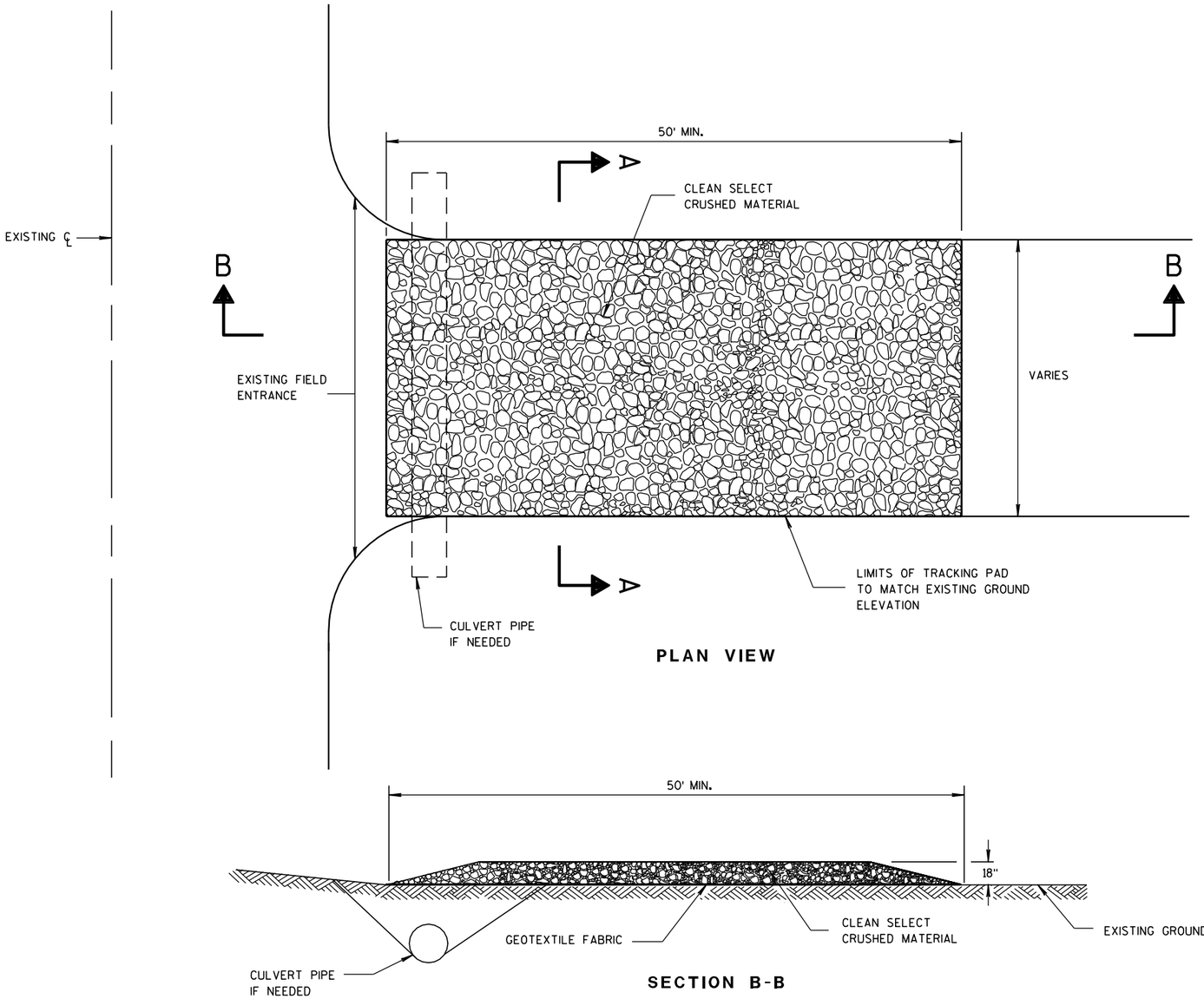
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 11-2

6

S.D.D. 8 E 11-2



PLAN VIEW

SECTION B-B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

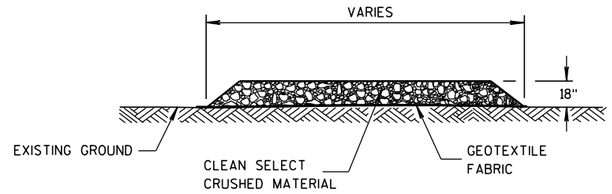
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

6

S.D.D. 8 E 14-1

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
FHWA

ENT

6

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

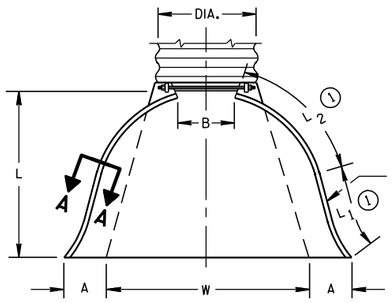
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

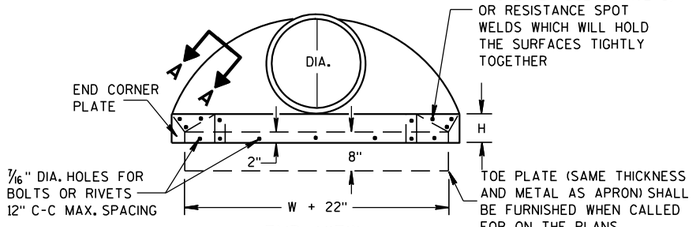
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

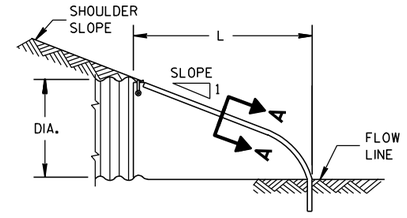
*MINIMUM
**MAXIMUM



PLAN VIEW

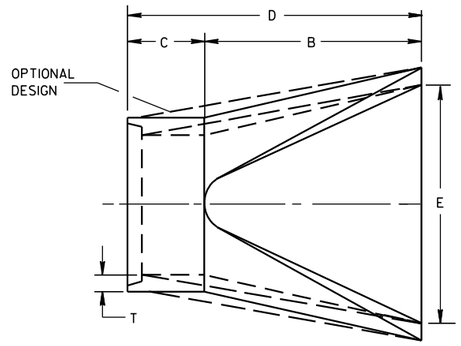


END VIEW

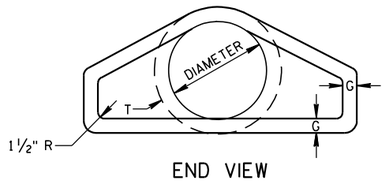


SIDE ELEVATION

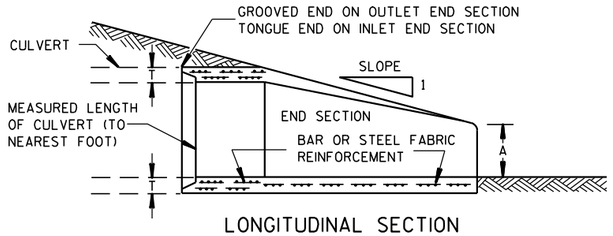
METAL ENDWALLS



PLAN

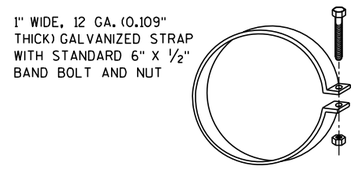


END VIEW



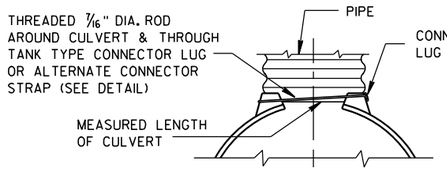
LONGITUDINAL SECTION

CONCRETE ENDWALLS

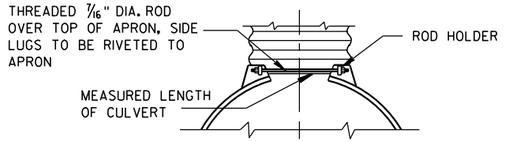


ALTERNATE FOR TYPE 1 CONNECTION

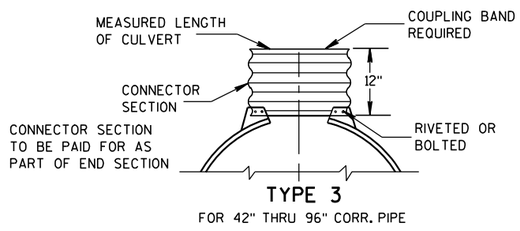
END SECTION CONNECTOR STRAP



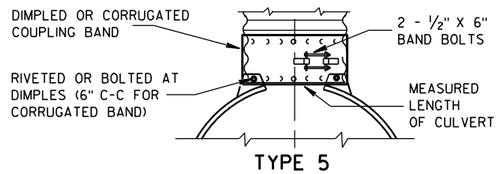
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

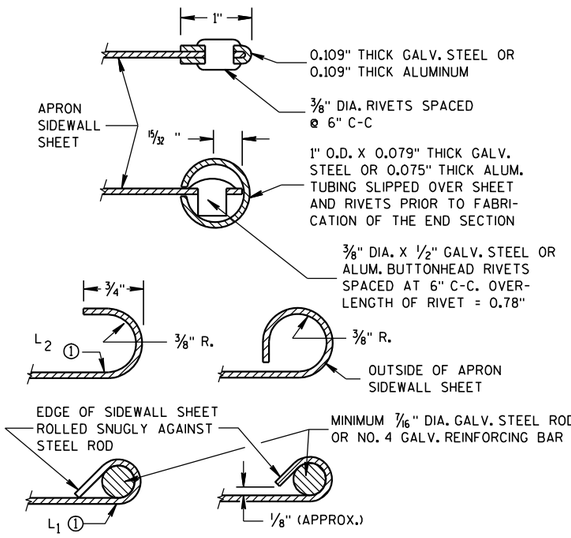
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

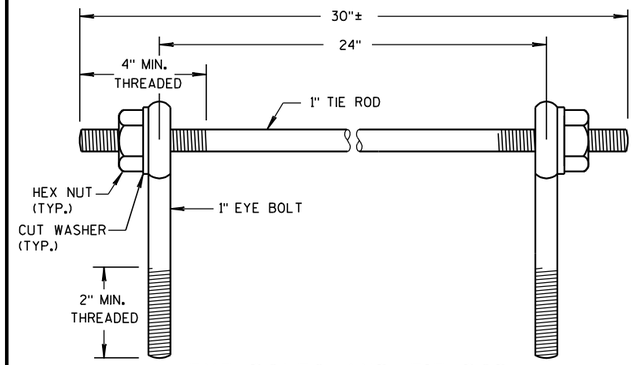
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

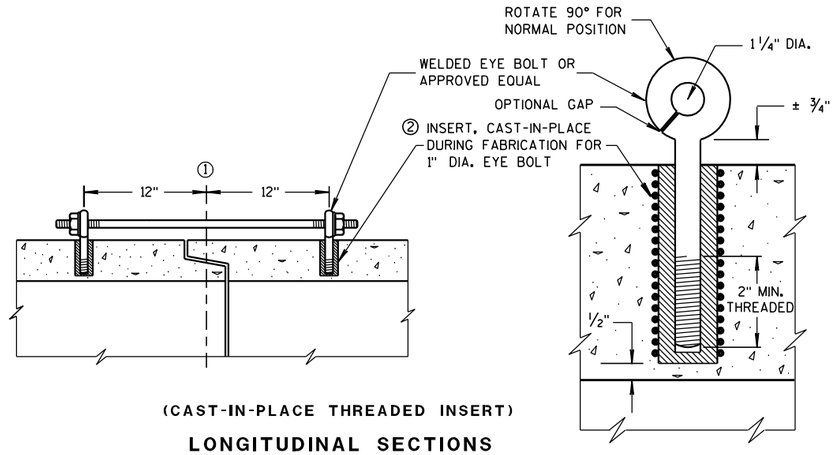
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

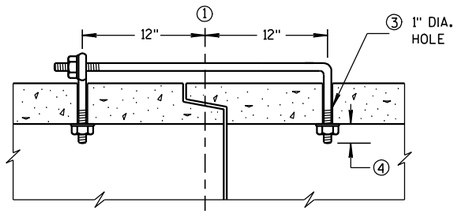
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

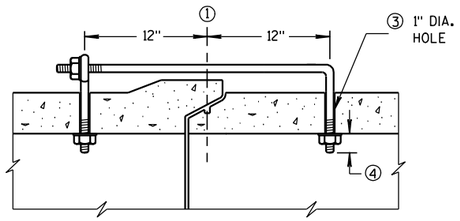
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

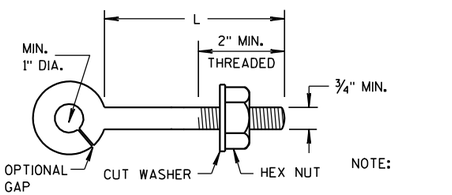


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

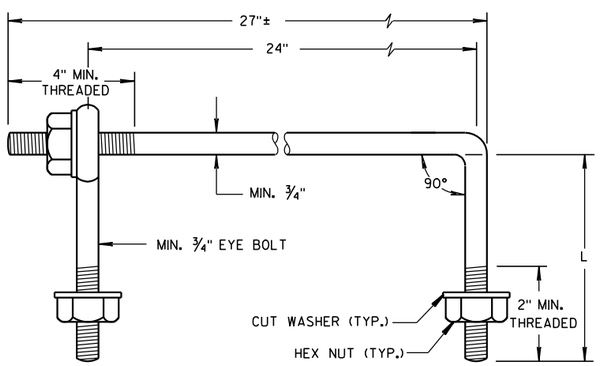
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

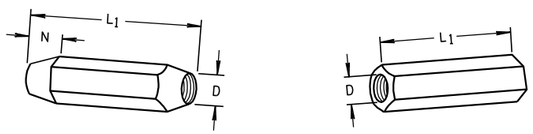
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

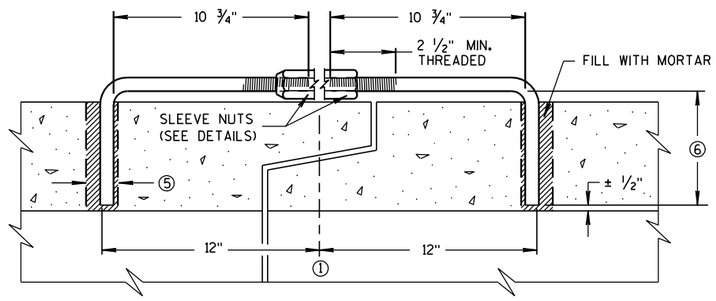
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

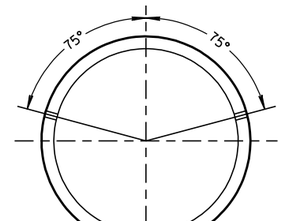
SLEEVE NUTS



LONGITUDINAL SECTION

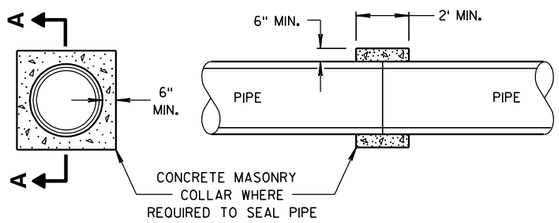
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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

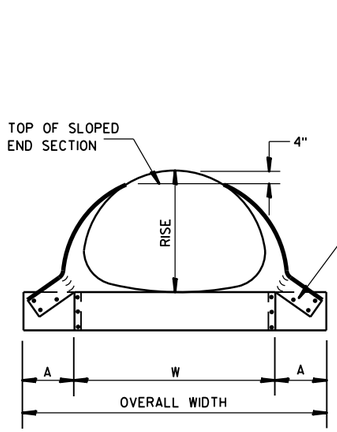
APPROVED
6/5/2012 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

6

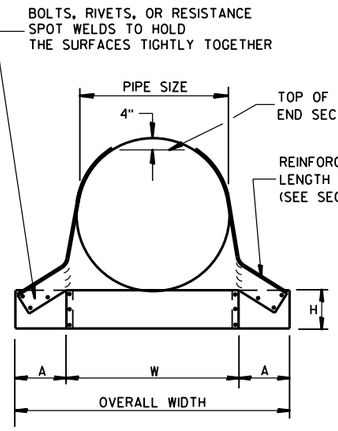
S.D.D. 8 F 4-7

6

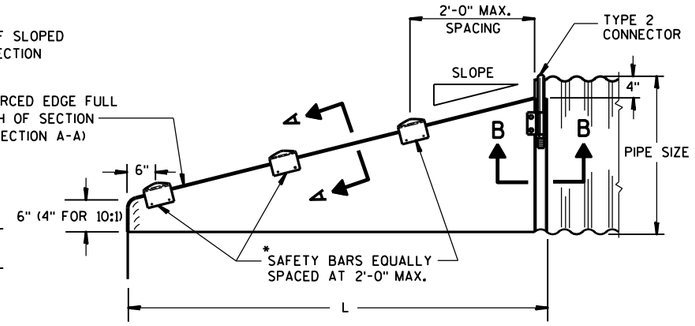
S.D.D. 8 F 4-7



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

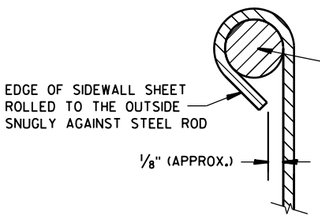
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE
SLOPED SIDE DRAINS

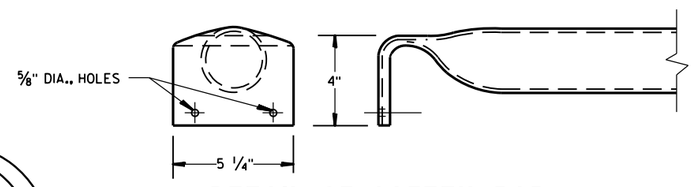
PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



SECTION A-A

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.

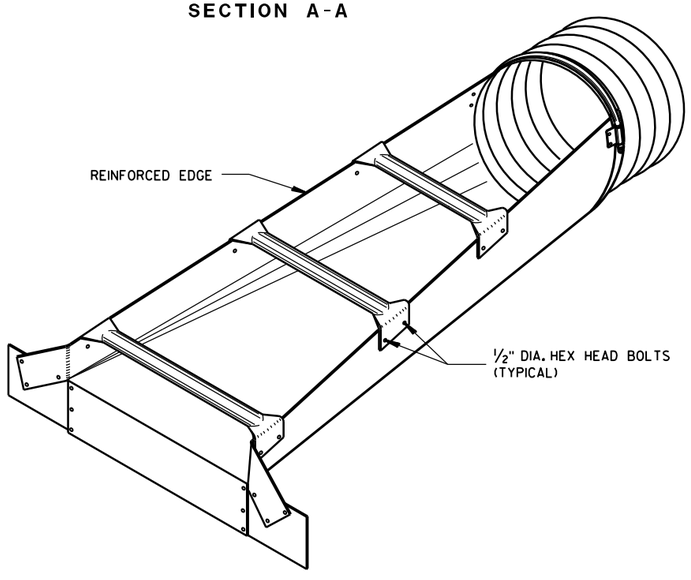


DETAIL OF SAFETY BAR

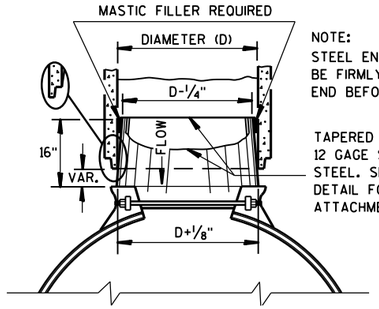
STEEL APRON ENDWALLS FOR PIPE ARCH
SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

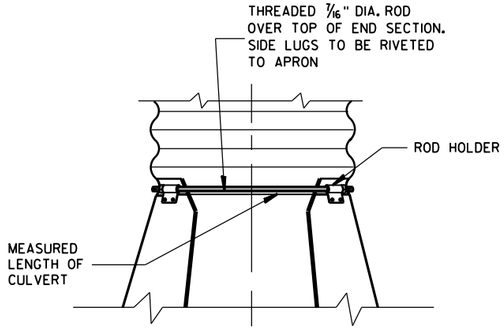
① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



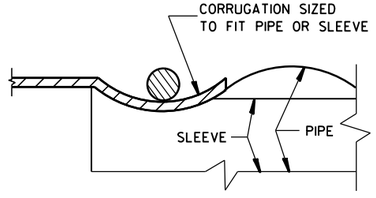
ISOMETRIC VIEW



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL



SECTION B-B

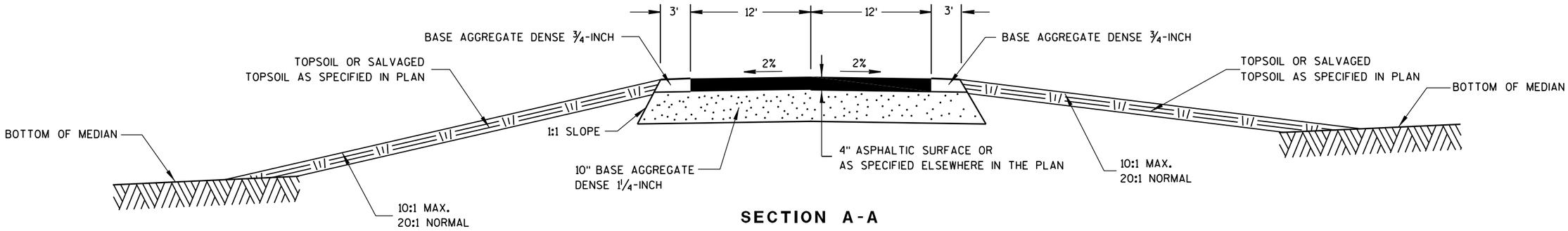
STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

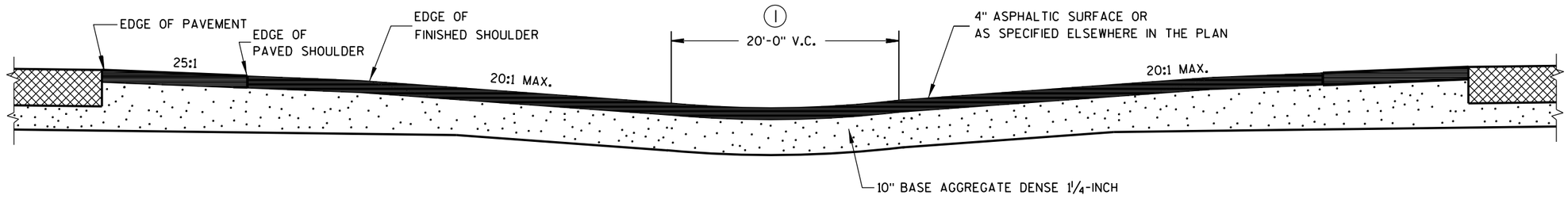
APPROVED
9/14/2012 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

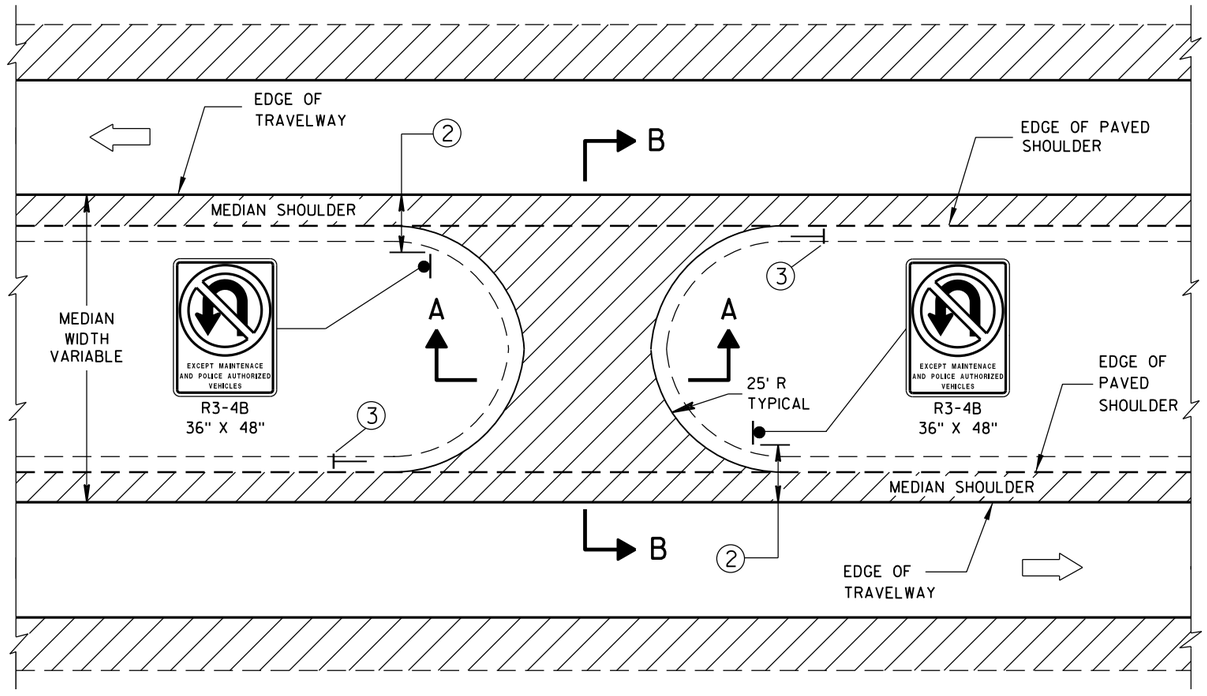
S.D.D. 8 F 7-5



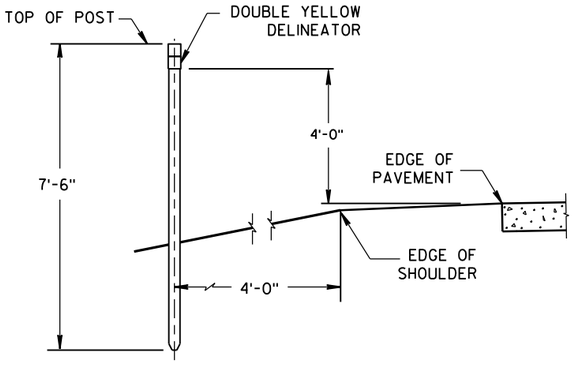
SECTION A-A



SECTION B-B



PLAN VIEW



DOUBLE YELLOW DELINEATOR INSTALLATION

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) ADJUST VERTICAL CURVE LOCATION LATERALLY TO MAINTAIN 20:1 MAX.

(2) SIGNING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

(3) INSTALL DOUBLE YELLOW DELINEATOR. SEE STANDARD DETAIL DRAWING 15A2.

MAINTENANCE CROSSOVER FOR FREEWAYS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 — DATE

/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER

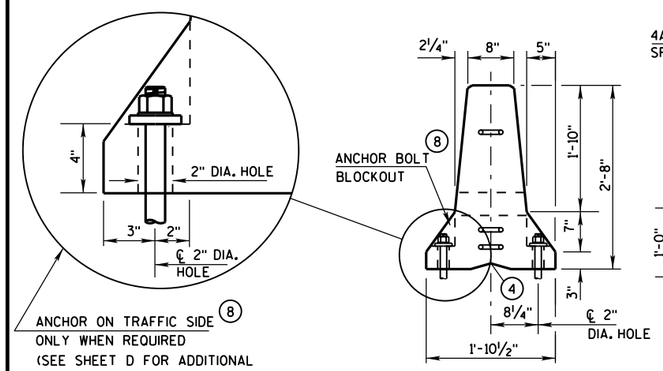
FHWA

6

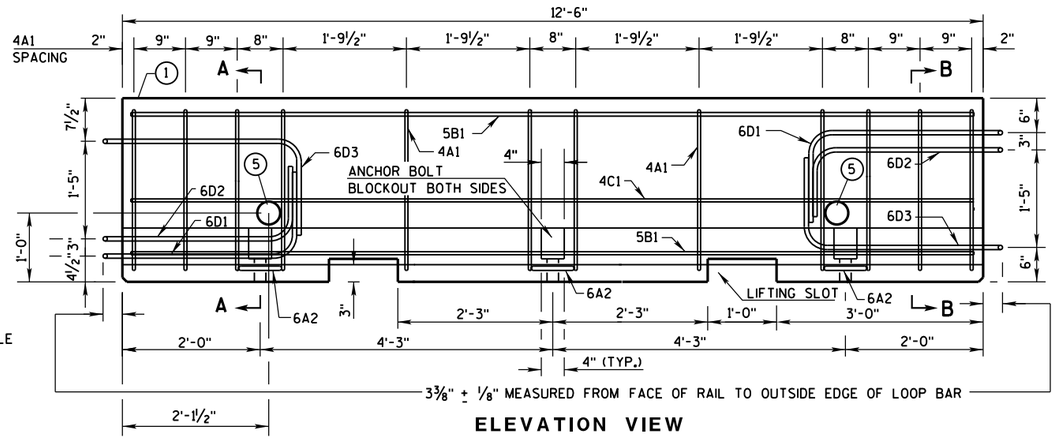
S.D.D. 11 A 1-5

6

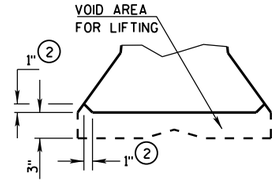
S.D.D. 11 A 1-5



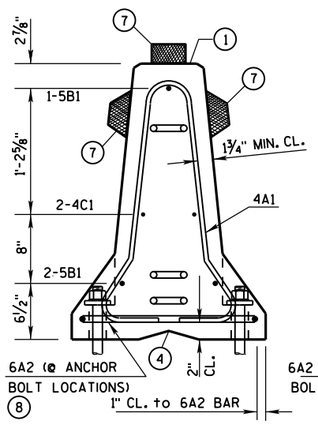
END VIEW



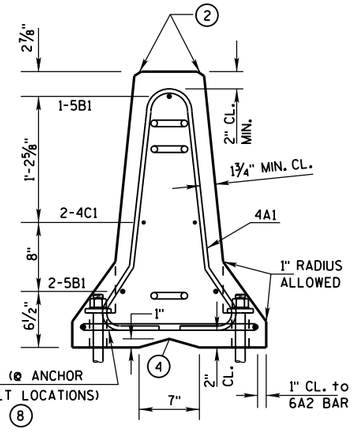
ELEVATION VIEW



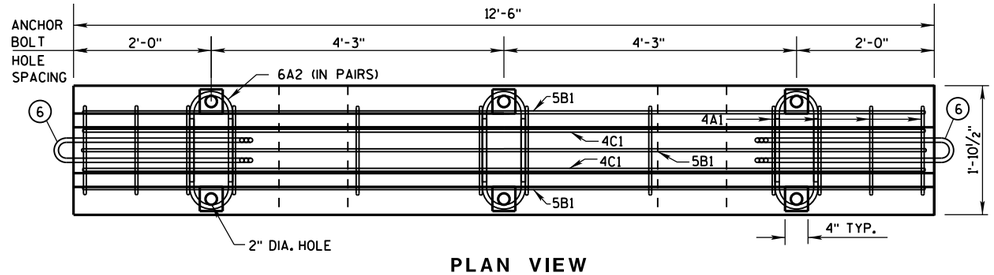
DETAIL "B"
LIFTING SLOT DETAIL



SECTION A-A
(STIRRUP PLACEMENT)

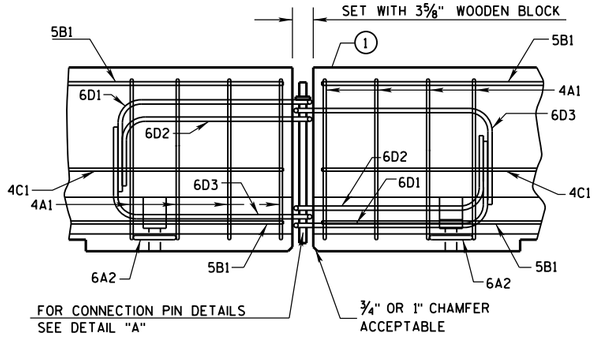


SECTION B-B
(STIRRUP PLACEMENT)

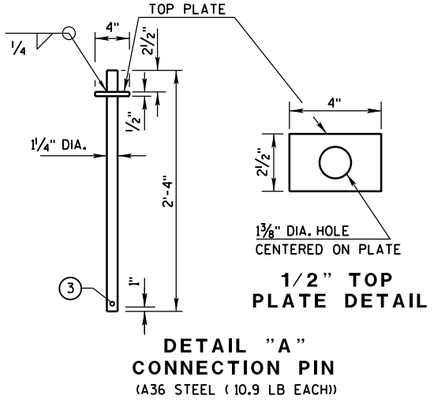


PLAN VIEW

DETAILS OF BARRIER SECTION

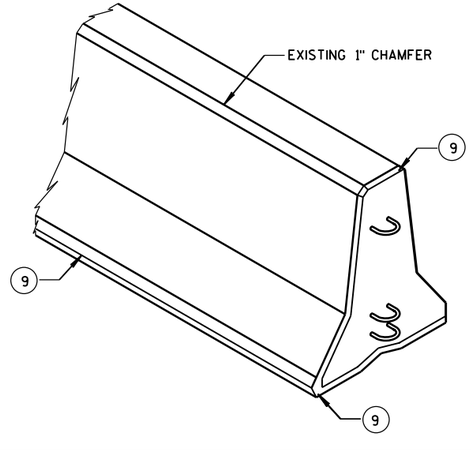


DETAILS OF BARRIER CONNECTION



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.

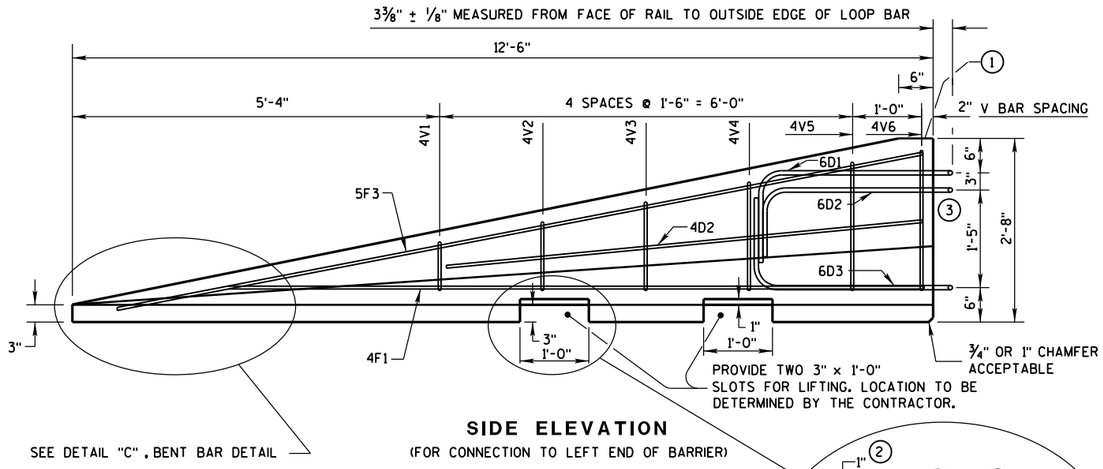
(9) 1" CHAMFER OPTIONAL.

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

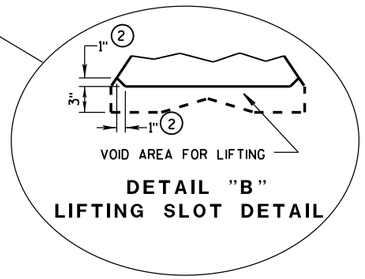
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

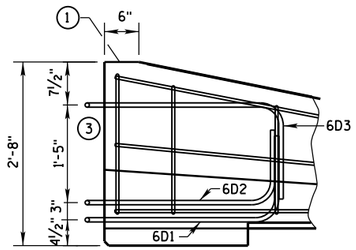
S.D.D. 14 B 7-14a



SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



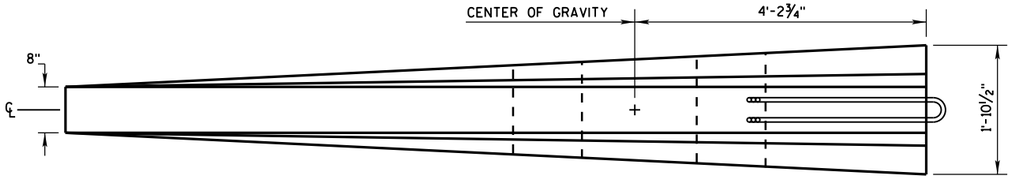
DETAIL "B"
LIFTING SLOT DETAIL



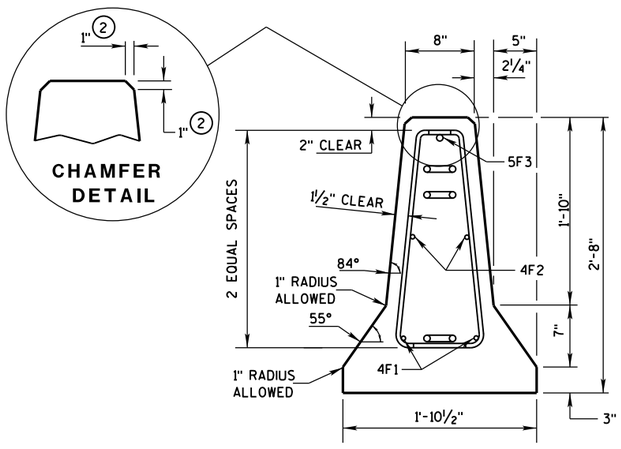
SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED
FOR OPPOSITE END.
(FOR CONNECTION TO RIGHT END OF BARRIER)

GENERAL NOTES

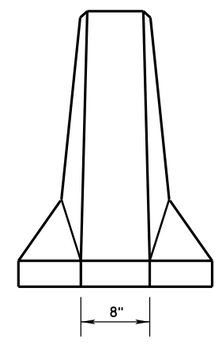
1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.



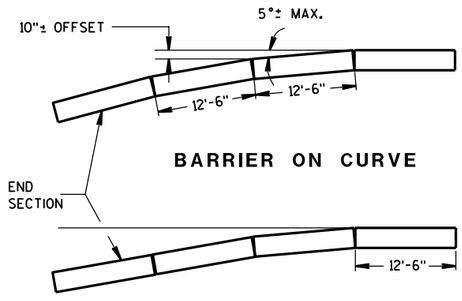
PLAN VIEW



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 TRANSPOR

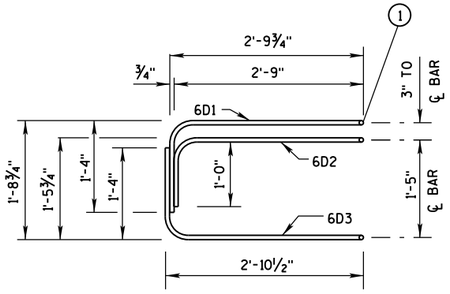
6

S.D.D. 14 B 7-14b

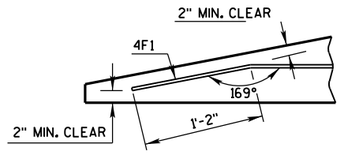
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

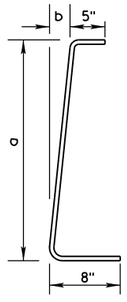
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



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

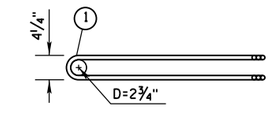
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

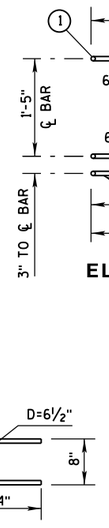
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

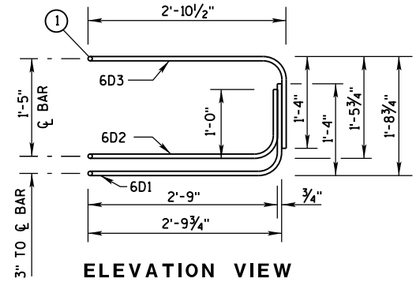
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



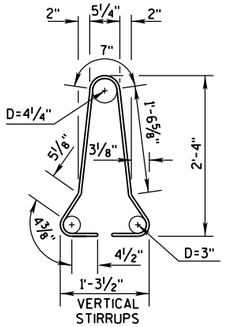
PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



ELEVATION VIEW



4A1

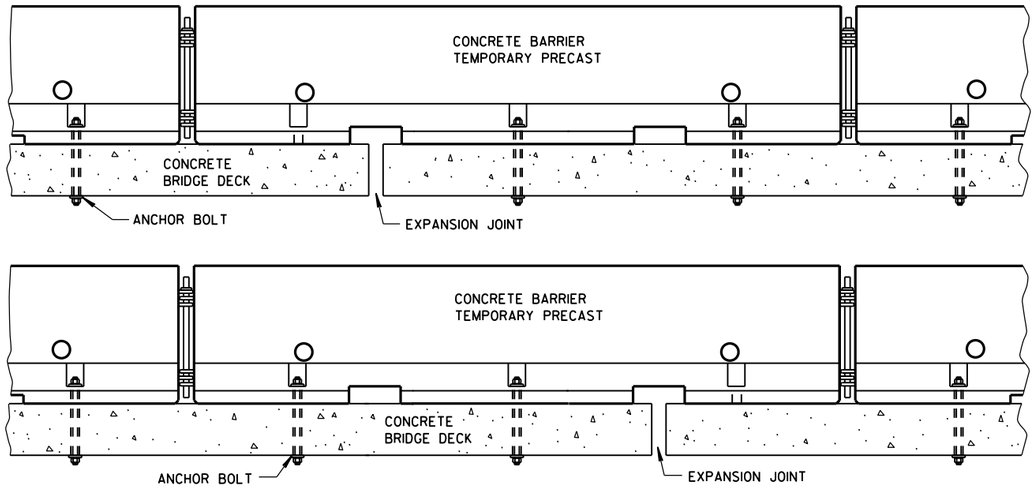
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

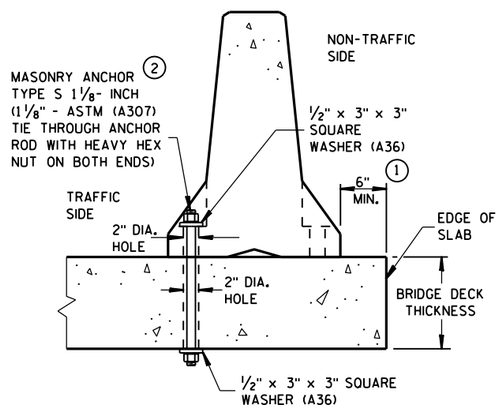
6

S.D.D. 14 B 7-14c



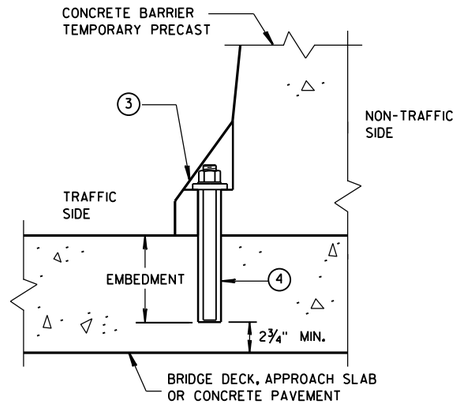
TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(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 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.

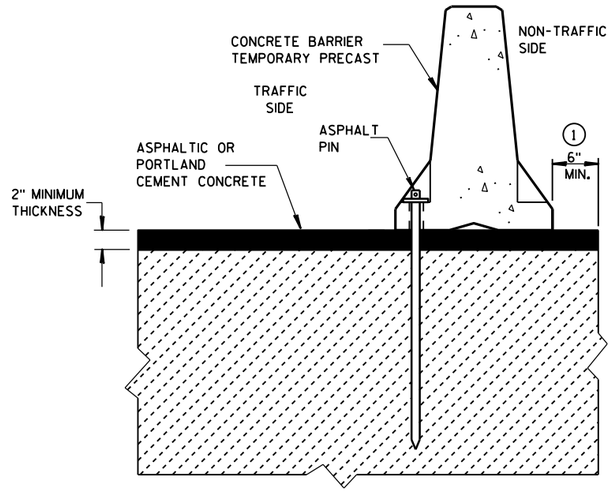
② ANCHORING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST.

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.

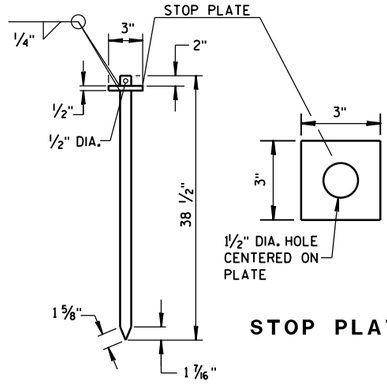
③ 1⅛" DIAMENTER A307 THREADED ROD, ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL, ASTM A563A HEAVY HEX NUT.

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

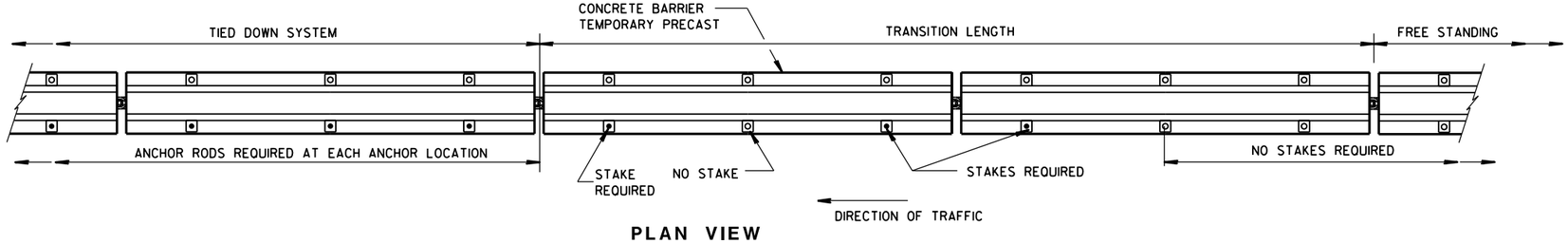
(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



STOP PLATE

ASPHALT PIN

(ASTM A36 STEEL)



PLAN VIEW

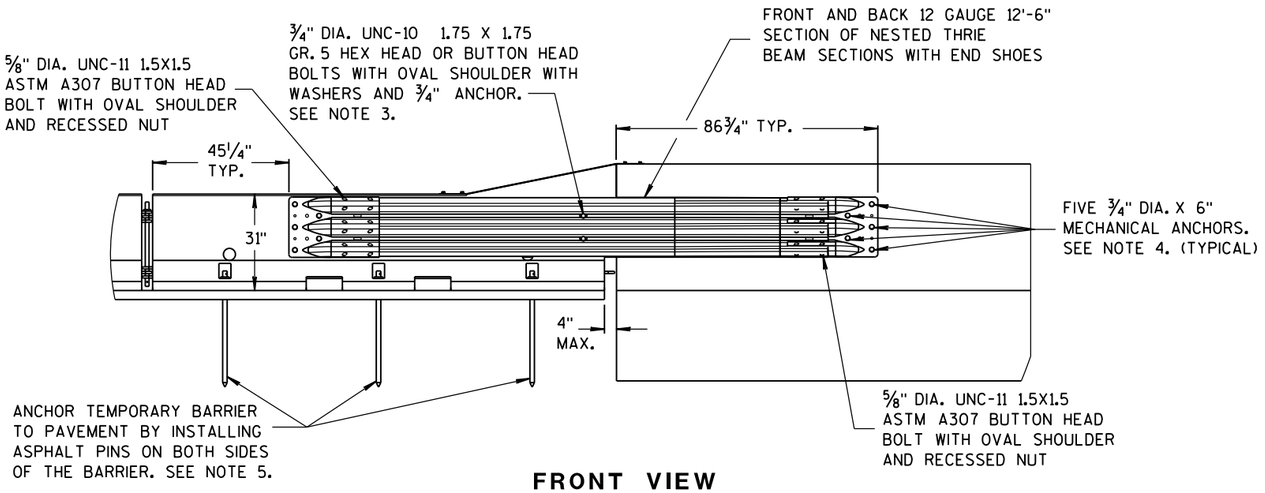
FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

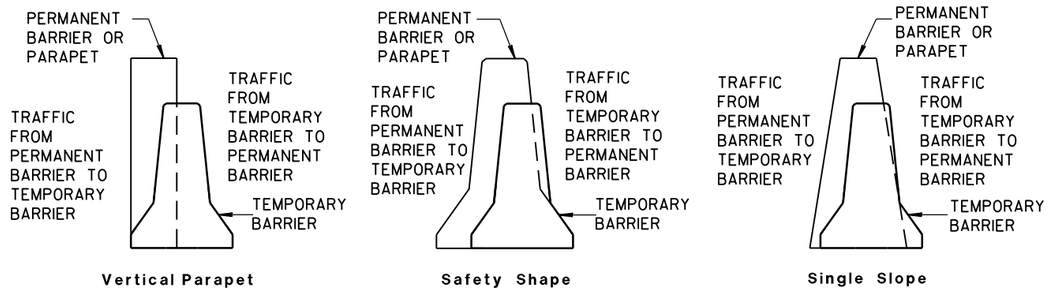
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-14d



FRONT VIEW

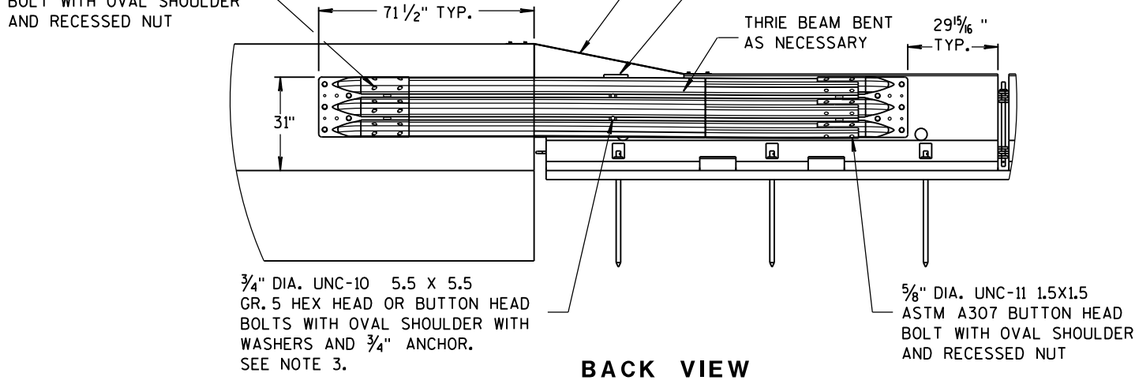


TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

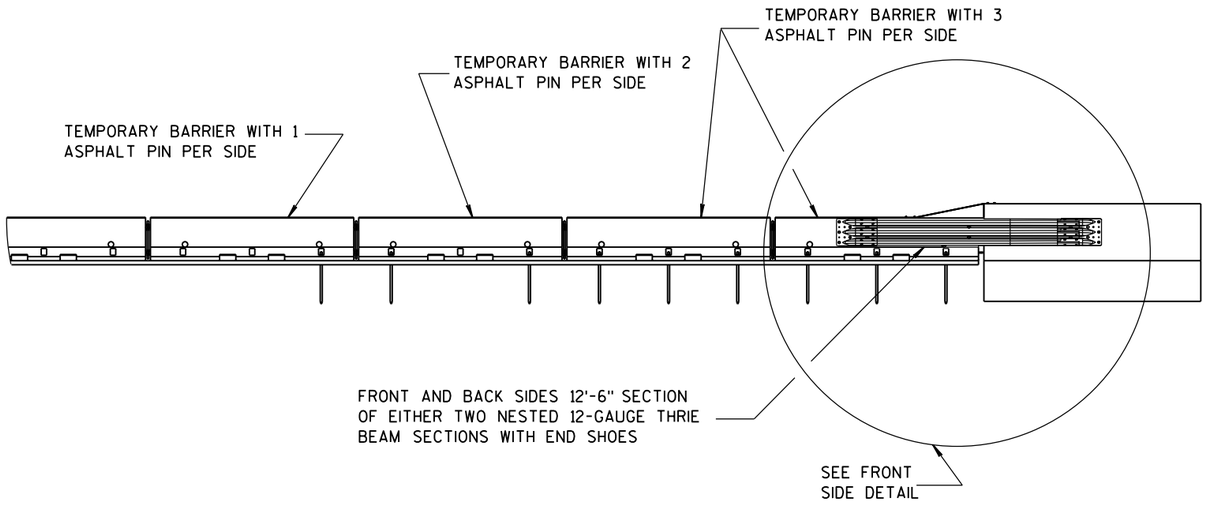
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.

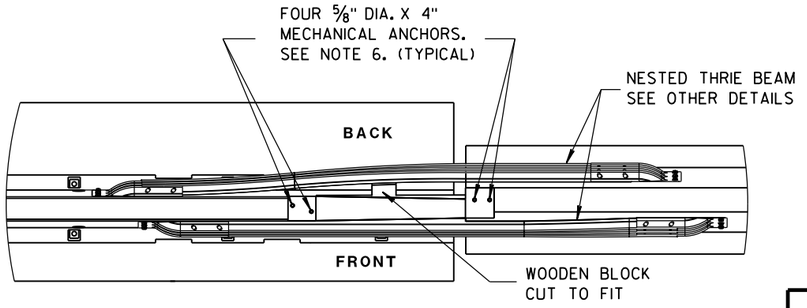
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 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

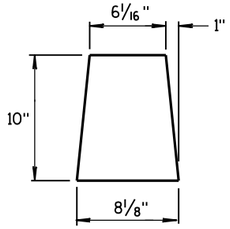
GUSSET 1

GUSSET 2

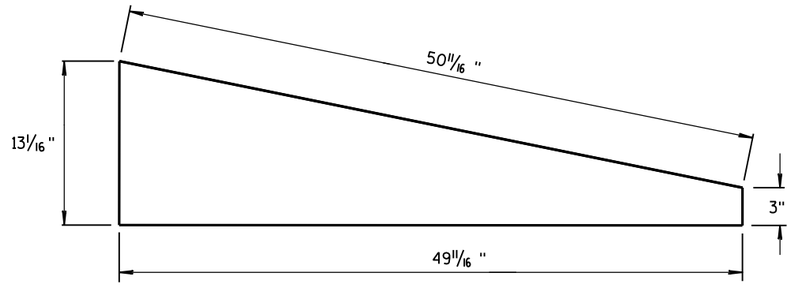
GUSSET 3

GUSSET 4

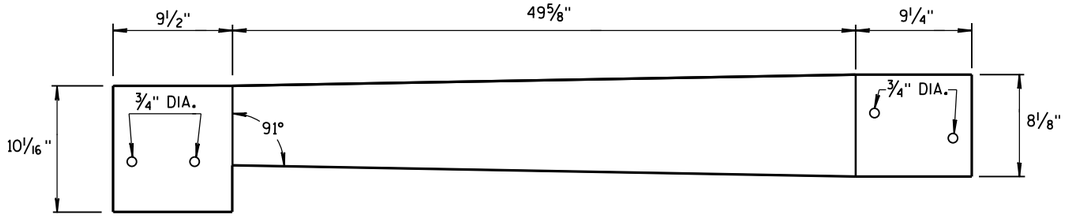
GUSSETS

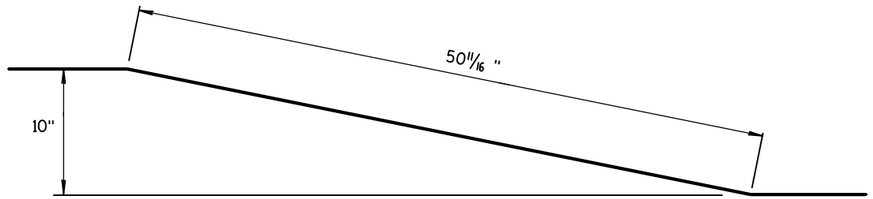


END PLATE

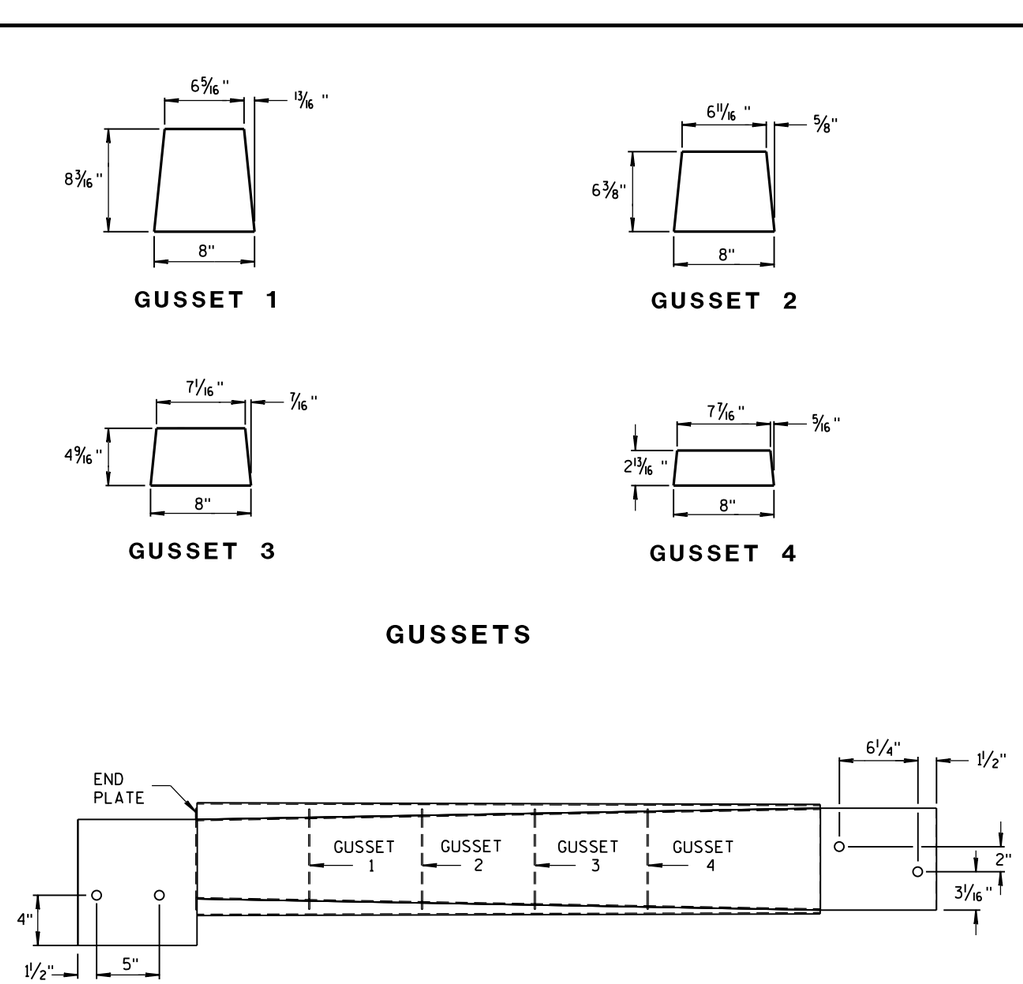


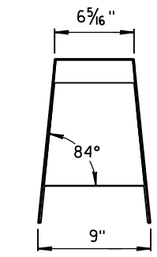
SIDE PLATE





TOP PLATE





SECTION C-C

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.

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.

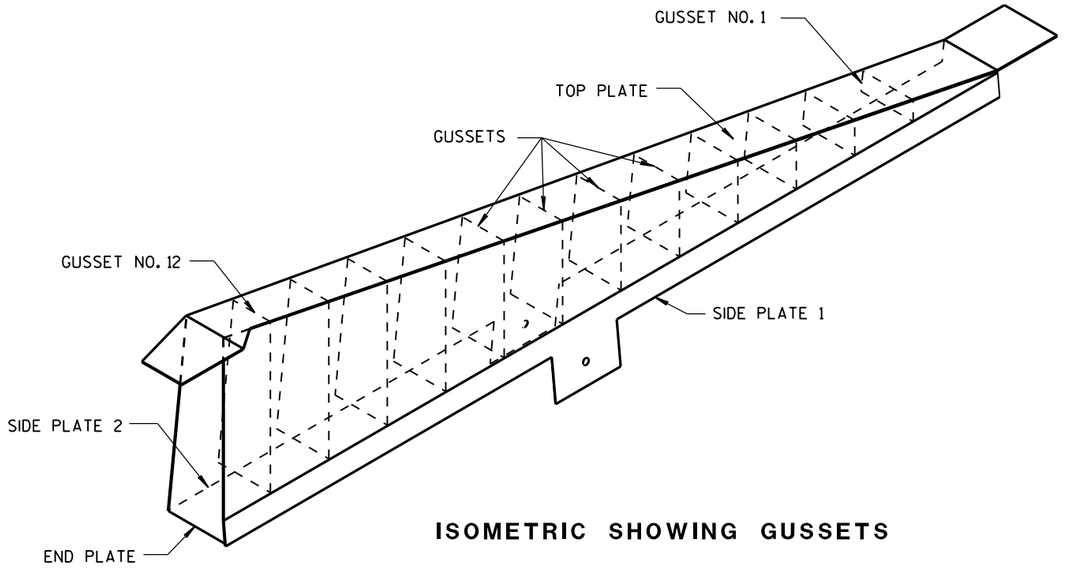
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

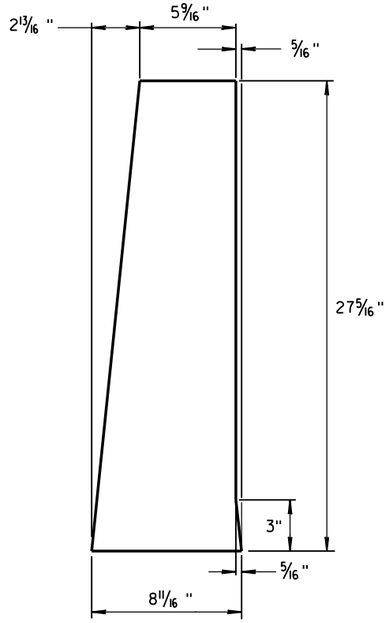
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 7-14f

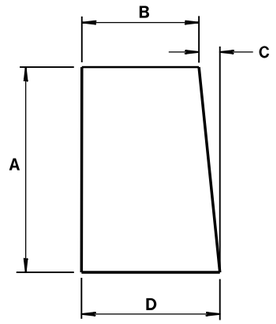


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



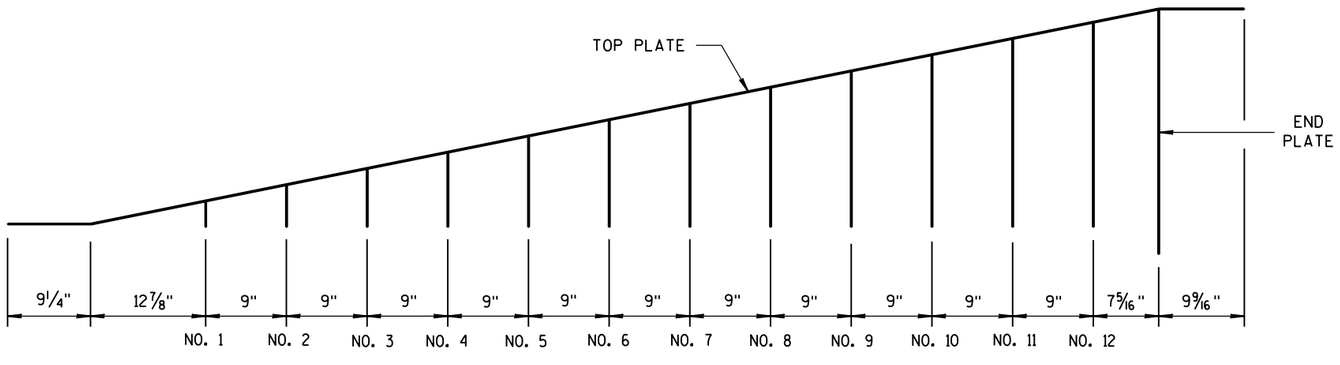
GUSSETS 1 - 12

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

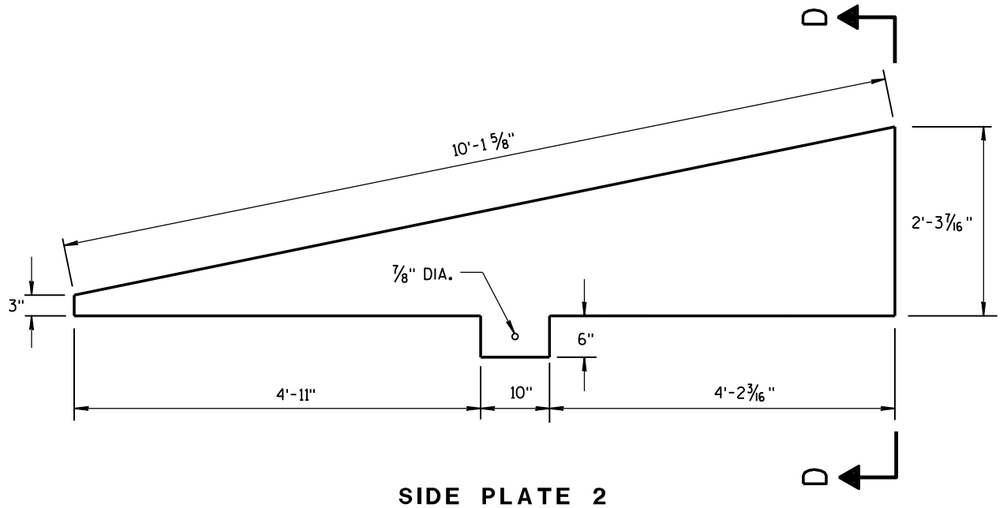
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

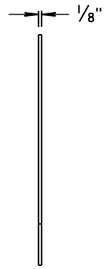
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

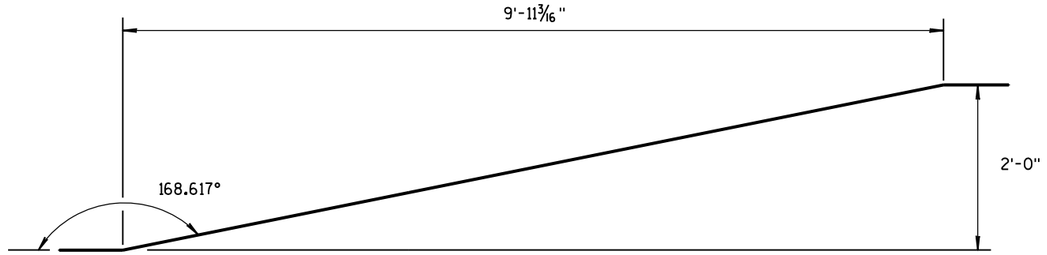
S.D.D. 14 B 7-14g



SIDE PLATE 2

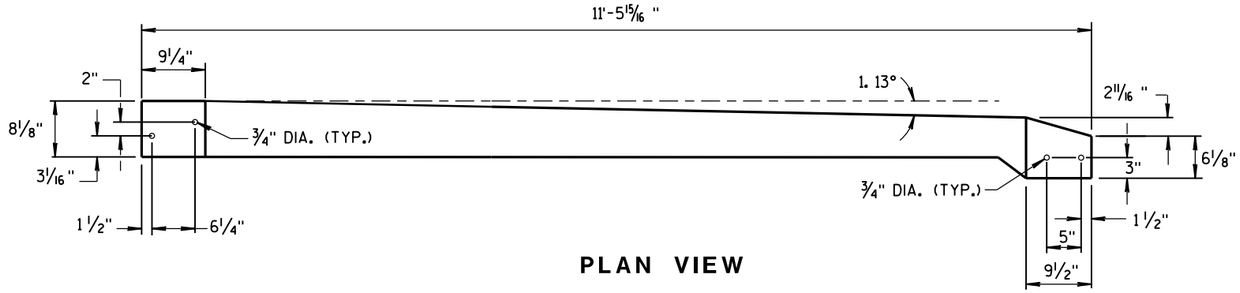


END VIEW



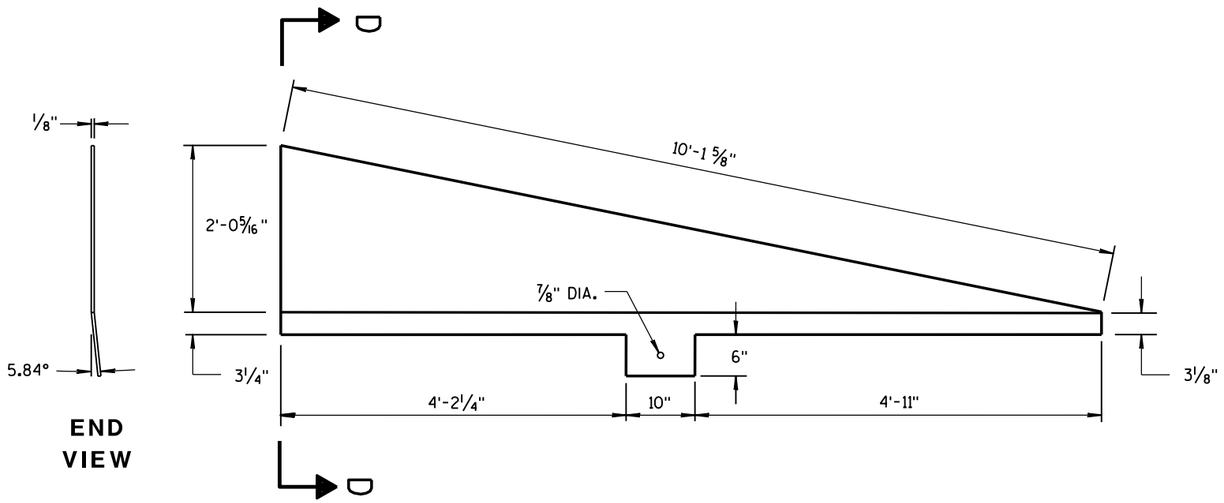
SIDE VIEW

TOP PLATE



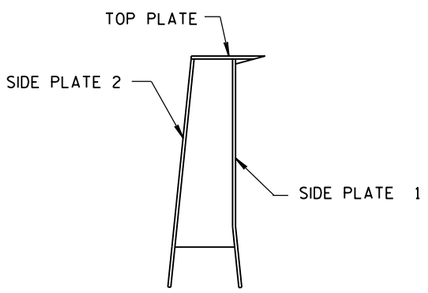
PLAN VIEW

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

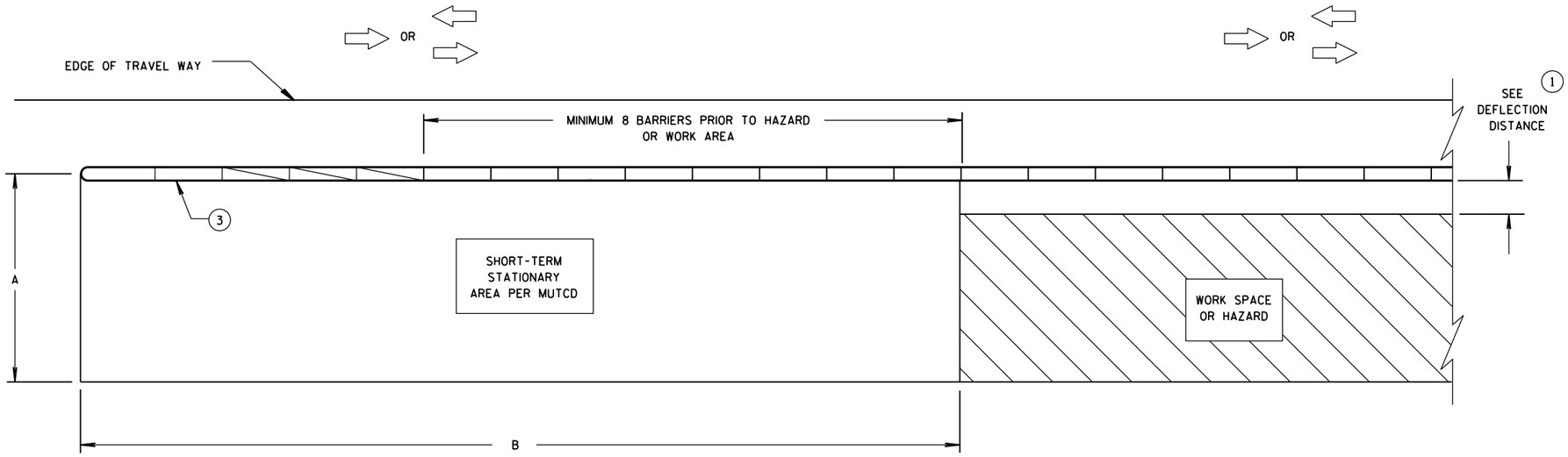
APPROVED
June 2014 — DATE
/S/ Jerry H. Zoaa — ROADWAY STANDARD D ENGINEER
FHWA

6

S.D.D. 14 B 7-14h

6

S.D.D. 14 B 7-14h



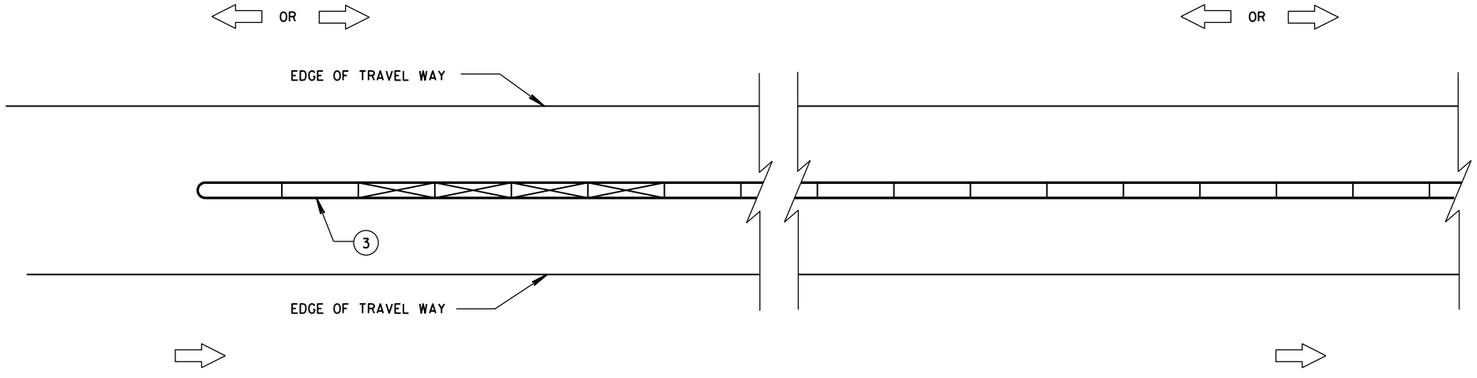
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

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.

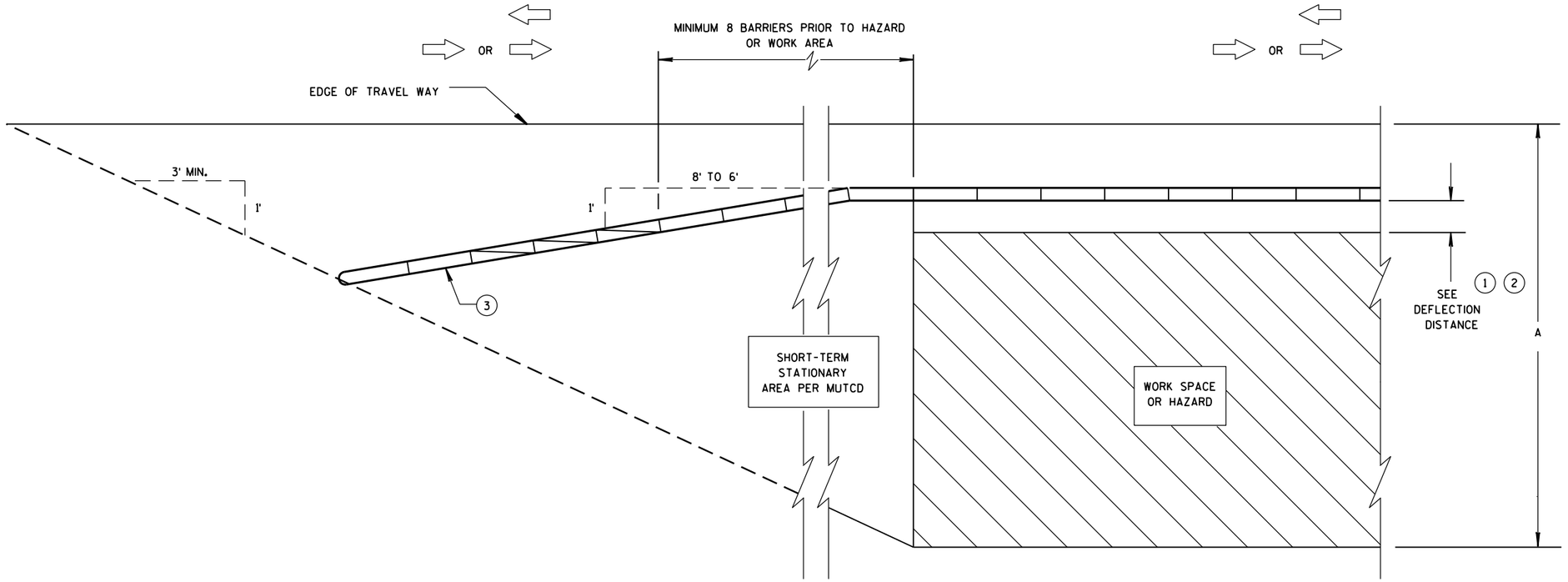
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

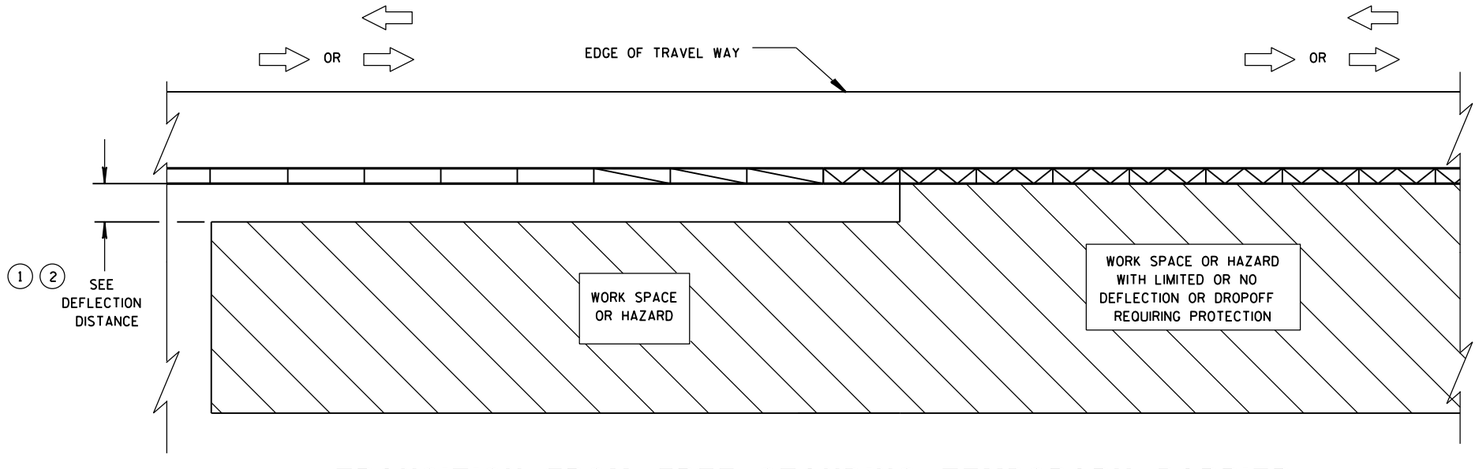
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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

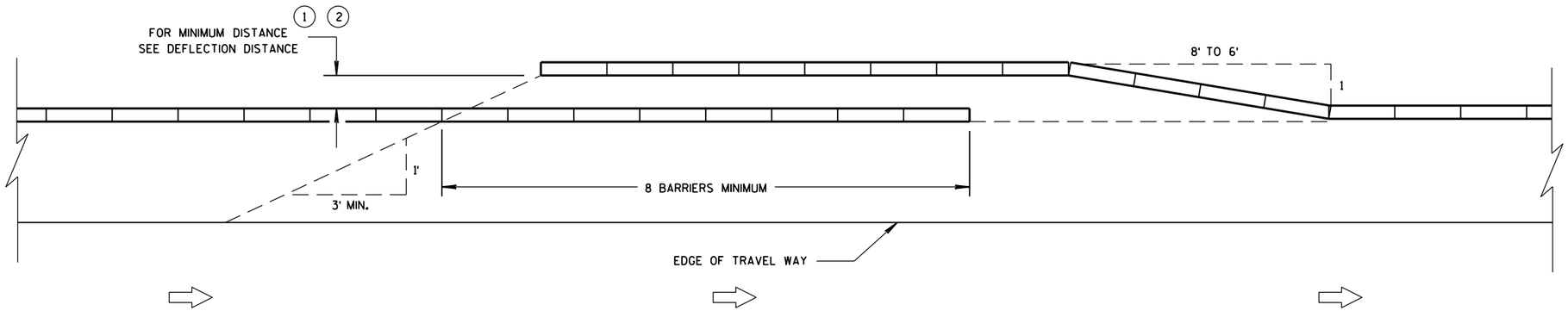
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

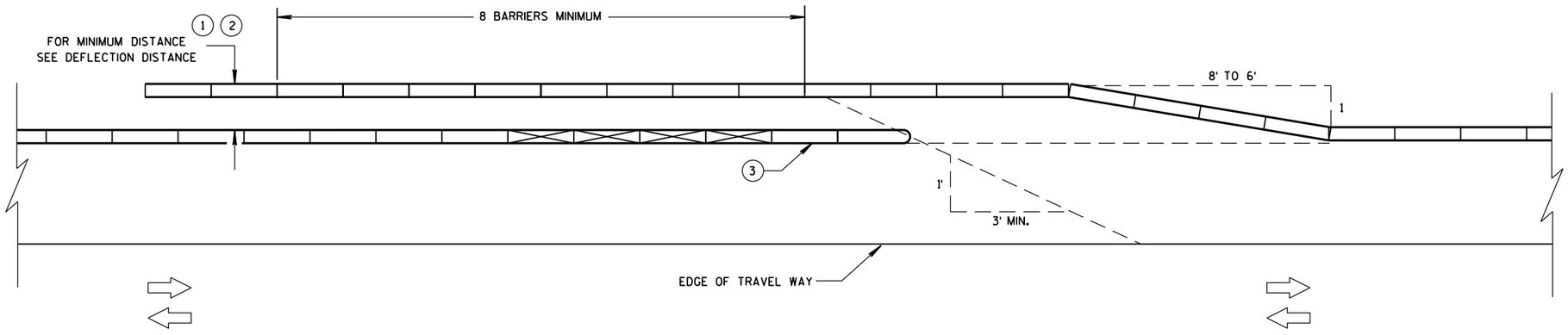
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

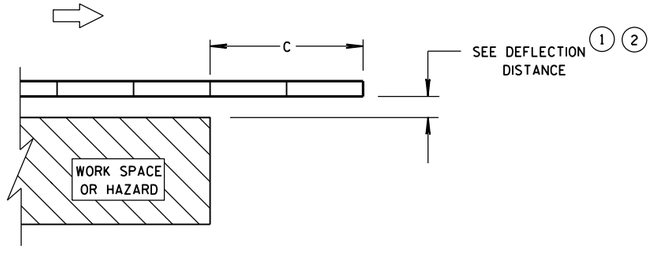
S.D.D. 14 B 8-2b



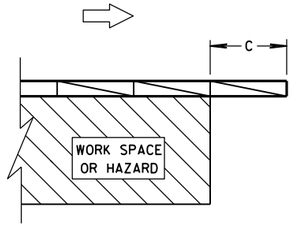
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

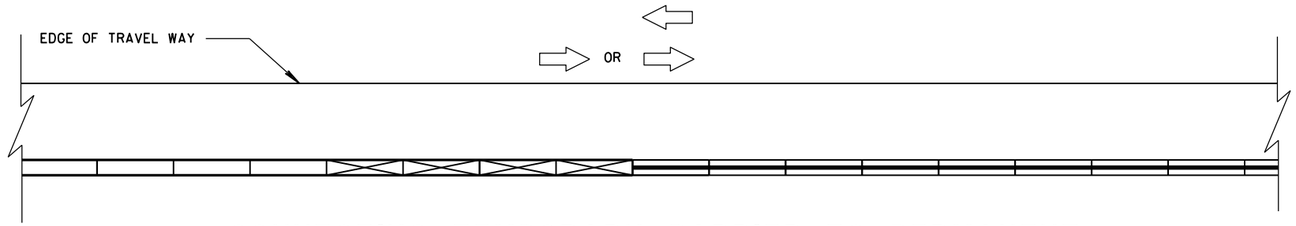
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

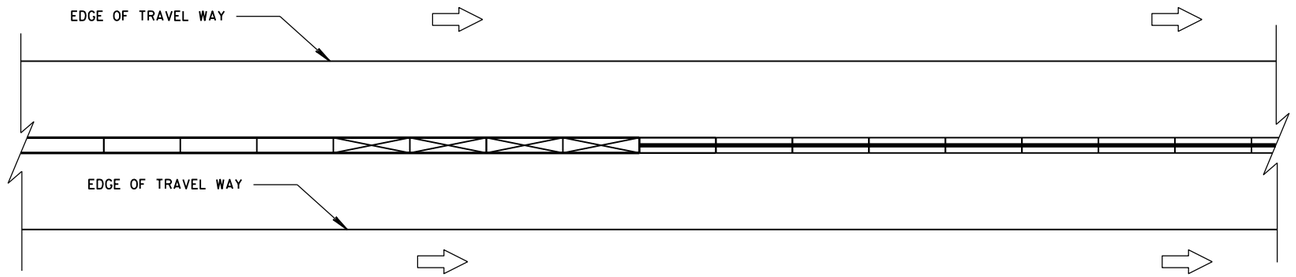
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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

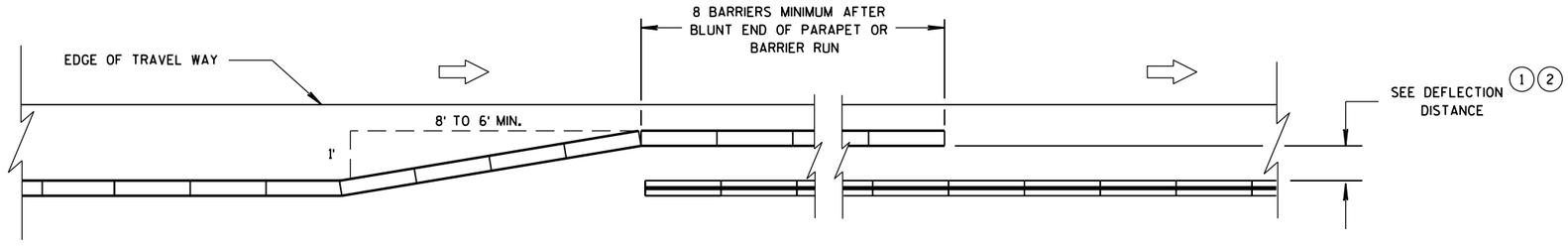
SEE FREE STANDING TRANSITION
TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION
TO TIED-DOWN SYSTEM DETAILS

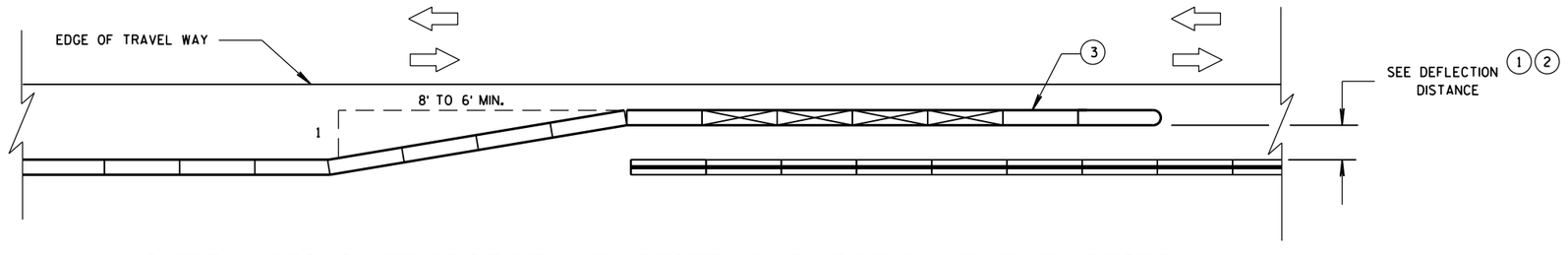
3 PINS PLACED ON
TRAFFIC SIDE OF BARRIER

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

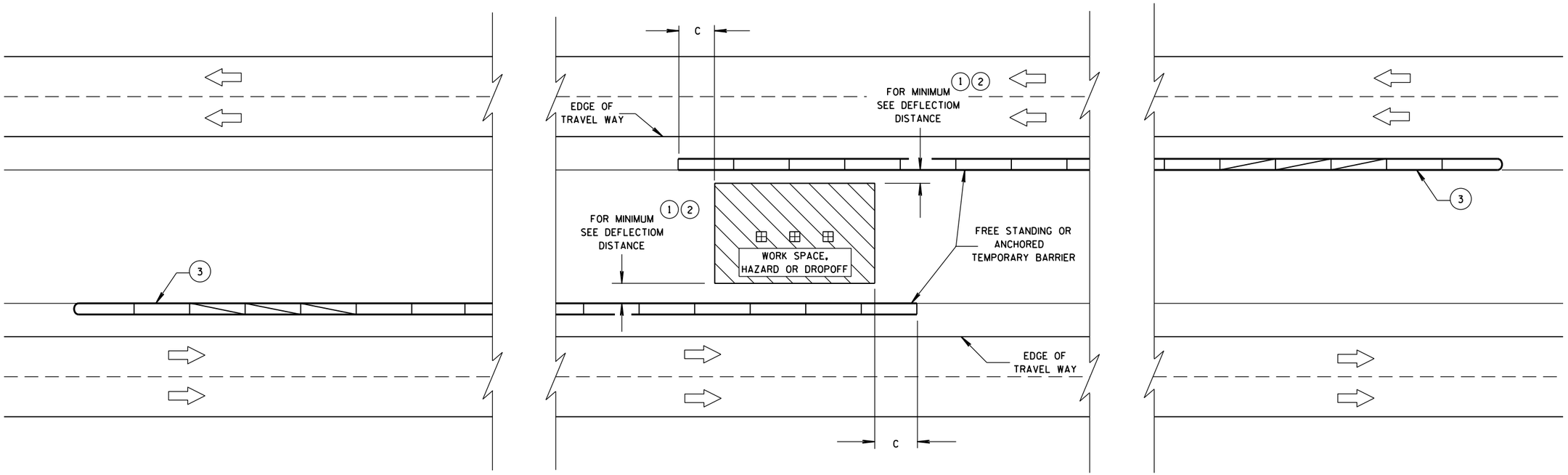
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

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



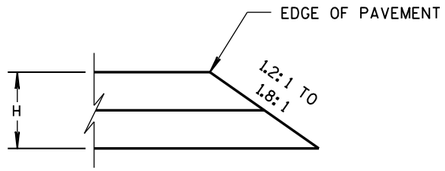
CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINNER
FHWA

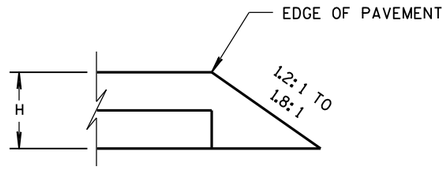
6

S.D.D. 14 B 8-2e



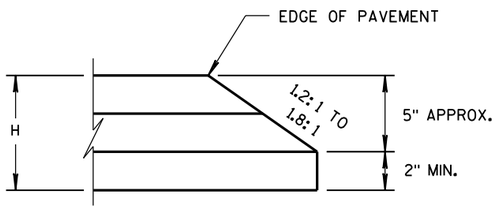
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



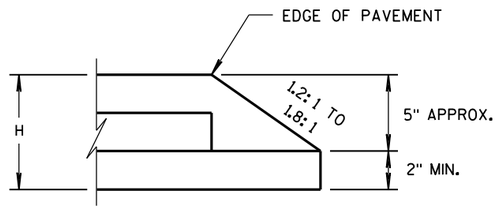
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

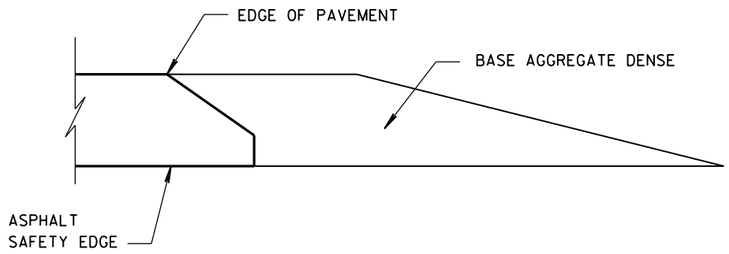
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

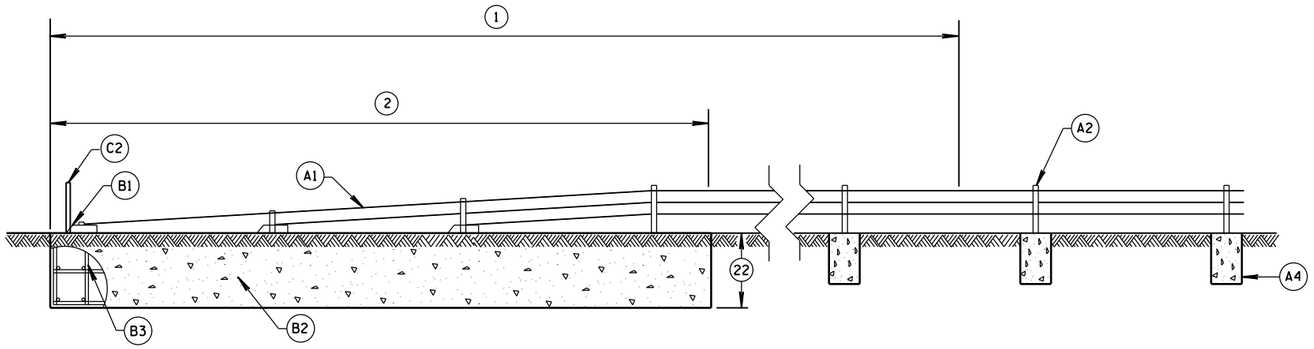
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

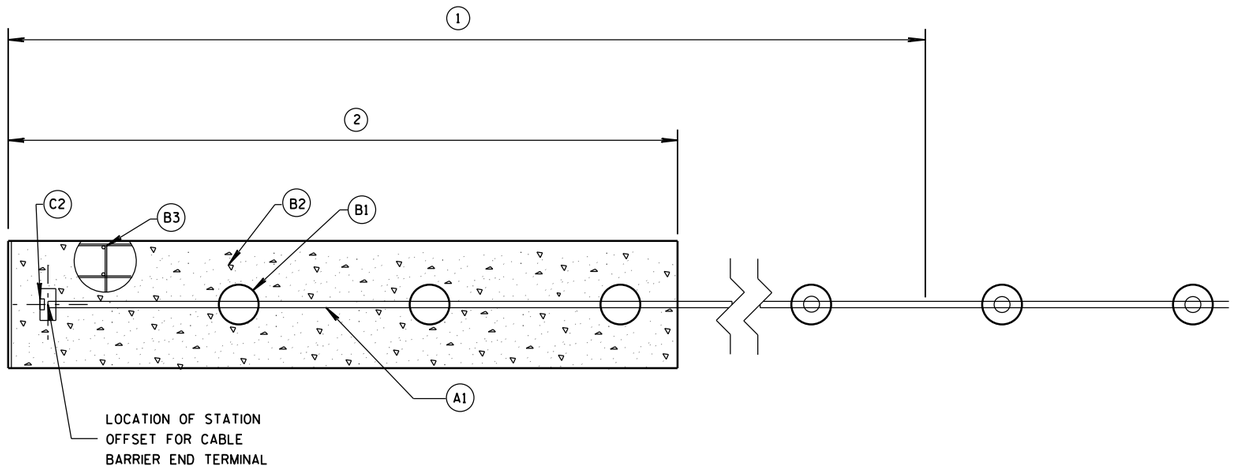
11/30/2012
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

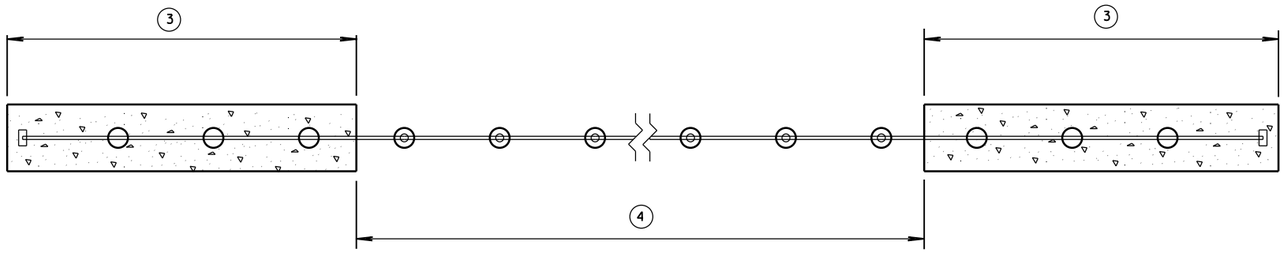


PROFILE VIEW



PLAN VIEW

TRANSITION FROM CABLE BARRIER TERMINAL TO CABLE BARRIER LINE POSTS



TYPICAL PLAN VIEW

GENERAL NOTES

DRAWINGS ARE GENERAL IN NATURE. SEE MANUFACTURER'S INFORMATION FOR MORE DETAIL.

PROVIDE 2 INCH CLEAR COVER FROM OUTER EDGE OF CONCRETE FOOTINGS TO REINFORCEMENT.

INSTALL LINE POST PLUMB. LINE POSTS ARE TO BE EASILY REMOVED BY HAND AND HOLD CABLES AT THE PROPER ELEVATION.

PROVIDE CABLE BARRIER SYSTEM FROM APPROVED PRODUCT LIST.

PROVIDE A SYSTEM TO HAVE THE WORKING WIDTH INDICTED IN PLAN.

PROVIDE DOCUMENTATION HOW POST SPACING, RADIUS OF CURVE AND ANCHOR SPACING INFLUENCES WORKING WIDTH TO CONSTRUCTION STAFF.

PROVIDE A WISCONSIN PROFESSIONAL ENGINEERS STAMPED ANALYSIS THAT THE LINE POST AND CABLE BARRIER END TERMINAL FOOTINGS ARE DESIGNED FOR THE SOIL CONDITIONS PRESENT. THE WISCONSIN P.E. STAMP ANALYSIS IS TO INCLUDE, BUT IS NOT LIMITED TO: DESIGN IMPACT LOADS, FOUNDATION DEISGN METHODOLOGY USED, FACTORS OF SAFETY, SOIL TYPE, SOIL CONDITIONS, AND TEMPERATURE RANGES.

DESIGN LINE POST FOOTINGS SO THAT LINE POST FOOTING MOVE LESS THAN 1 INCH WHEN LINE POST IS IMPACTED BY A TL-3 SMALL CAR.

BILL OF MATERIALS

PART NUMBER	QTY.	DESCRIPTION	MATERIALS SPECIFICATIONS
(A1)	3 OR 4	3/4" 3x7 PRESTRECHED GALVANIZED STEEL WIRE ROPE	ASTM A741 MIN. BREAKING STRENGTH 39,000 LBS.
			AASHTO M30 TYPE 1 CLASS A (GALVANIATION).
			MINIMUM WIRE ROPE MODULUS OF ELASTICITY OF 19,000 PSI ACCORDING TO ISO 12067-202 WIRE ROPE MODULUS OF ELASTICITY "INITIAL" (AS MANUFACTURED), WITH NO BEDDING OR PRESTRECHING OF THE ROPE PERMITTED DURING TESTING.
(A2)	1 PER LINE POST	GALVANIZED REMOVABLE STEEL LINE POST	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS AND MATERIAL REQUIREMENTS.
			ASTM A123 (GALVANIZATION).
(A3)	1 PER LINE POST	GALVANIZED METAL SLEEVE	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS AND MATERIAL REQUIREMENTS.
			ASTM A123 (GALVANIZATION).
(A4)	VARIES	CONCRETE FOR LINE POST FOOTING	A, A-FA.A-T, OR A-IP OF STANDARD SPECIFICATION 501.2 OR AS MANUFACTURER SPECIFIES.
			STANDARD SPECIFICATION 716 OMP FOR CLASS II ANCILLARY CONCRETE.
			SEE MANUFACTURER'S INFORMATION ON DIMENSIONS.
(A5)	VARIES	EPOXY COATED STEEL REINFORCEMENT	STANDARD SPECIFICATION 505.
(A6)	VARIES	TURNBUCKLES AND OTHER CABLE CONNECTING HARDWARE	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS.
			MINIMUM BREAKING STRENGTH OF TURNBUCKLES AND CONNECTION HARDWARE IS EQUAL TO CABLE.
			TURNBUCKLES AND OTHER CABLE CONNECTION HARDWARE IS FIELD SWAGED PER MANUFACTURER'S RECOMMENDATIONS AND DETAILS.
(B1)	VARIES	CABLE CONNECTION TO CABLE BARRIER END TERMINAL	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS AND MATERIAL REQUIREMENTS.
(B2)	VARIES	CONCRETE FOR CABLE BARRIER END TERMINAL	A, A-FA.A-T, OR A-IP OF STANDARD SPECIFICATION 501.2.
			STANDARD SPECIFICATION 716 OMP FOR CLASS II ANCILLARY CONCRETE.
(B3)	VARIES	EPOXY COATED STEEL REINFORCEMENT	STANDARD SPECIFICATION 505.
(C1)	VARIES	LINE POST DELINEATOR	REFLECTIVE SHEETING TYPE SH. SEE APPROVE PRODUCT LIST YELLOW.
(C2)	VARIES	CABLE BARRIER END TERMINAL DELINEATOR	REFLECTIVE SHEETING TYPE SH. SEE APPROVE PRODUCT LIST OBJECT MARKER TYPE 3 PATTERN.

(1) LOCATION OF LENGTH OF NEED POINT FOR CABLE BARRIER END TERMINAL VARIES. (SEE MANUFACTURER'S INFORMATION)

(2) PAY LIMIT FOR CABLE BARRIER END TERMINAL. LENGTH OF CABLE BARRIER END TERMINAL VARIES. (SEE MANUFACTURER'S INFORMATION)

(3) CABLE BARRIER END TERMINAL

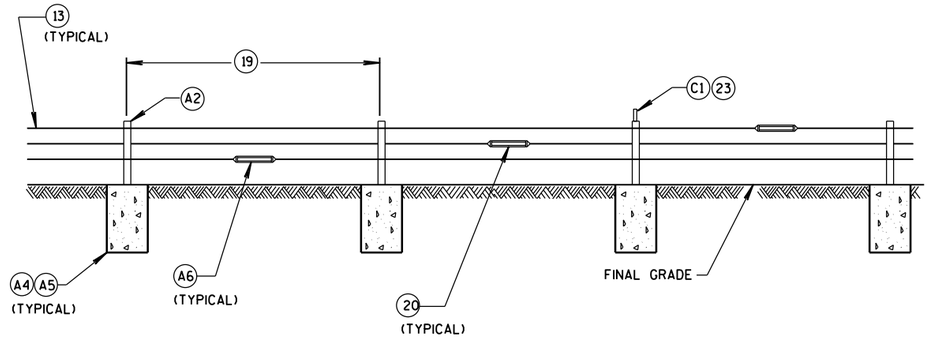
(4) CABLE BARRIER AND LINE POSTS

CABLE BARRIER TYPE 1 LAYOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

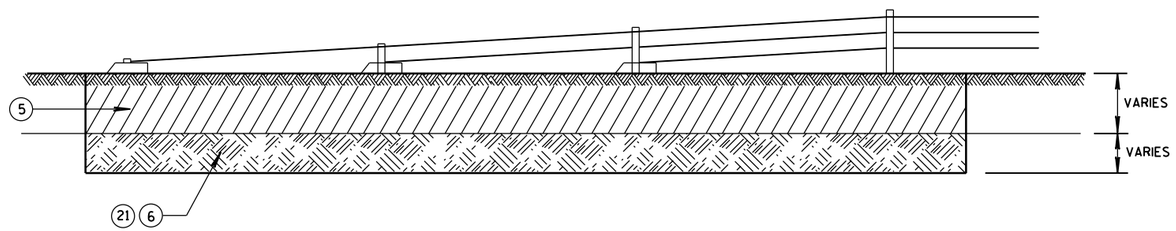
6

S.D.D. 14 B 52-1a



PROFILE VIEW

LINE POST INSTALLATION



CABLE BARRIER END TERMINAL ROCK EXCAVATION DETAIL

(5) SOIL TO BE EXCAVATED FOR CABLE BARRIER END TERMINAL (VARIES).

(6) ROCK TO BE EXCAVATED FOR CABLE BARRIER END TERMINAL (VARIES).

(7) SOIL TO BE EXCAVATED FOR LINE POST (VARIES).

(8) ROCK TO BE EXCAVATED FOR LINE POST (VARIES).

(9) EXCAVATE AND GRADE LINE FOR LINE POST FOOTINGS. INSTALL LINE POST FOOTING TO MINIMIZE 4 INCH TALL OBJECT ON 5 FOOT CHORD.

(10) 2 INCHES OF CLEAR COVER FROM EDGE OF CONCRETE TO REINFORCEMENT.

(11) DIAMETER OF LINE POST FOOTING VARIES. SEE MANUFACTURER'S INFORMATION.

(12) MINIMUM DEPTH OF LINE POST FOOTING IS 48 INCHES IN SOIL. DEEPER FOOTINGS PER MANUFACTURER'S RECOMMENDATION ARE ACCEPTABLE.

(13) NUMBER AND LOCATION OF CABLES VARY. SEE MANUFACTURER'S INFORMATION.

(14) LINE POST DIMENSIONS AND CONNECTION HARDWARE VARY. SEE MANUFACTURER'S INFORMATION.

(15) LANE OF ROADWAY (VARIES). SEE PLAN FOR MORE INFORMATION.

(16) PAVED SHOULDER (VARIES). SEE PLAN FOR MORE INFORMATION.

(17) GRAVEL SHOULDER (VARIES). SEE PLAN FOR MORE INFORMATION.

(18) CABLE BARRIER OFFSET FROM CENTERLINE OF MEDIAN DITCH (8 FOOT MINIMUM). SEE PLAN FOR MORE INFORMATION.

(19) MAXIMUM POST SPACING IS 15 FEET.

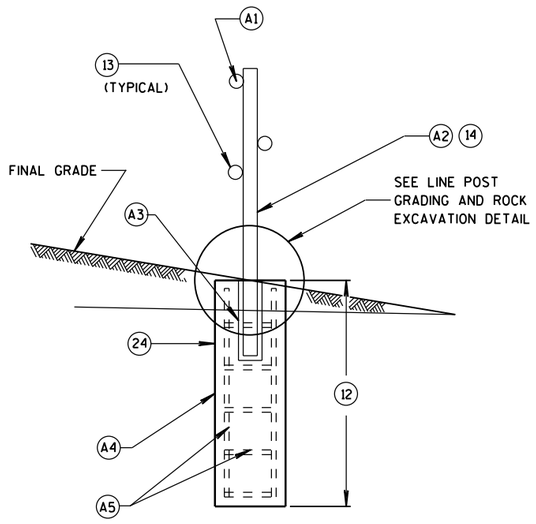
(20) STAGGER TURNBUCKLES (TYPICAL).

(21) SEE MANUFACTURER'S DESIGN WHEN ROCK IS ENCOUNTERED.

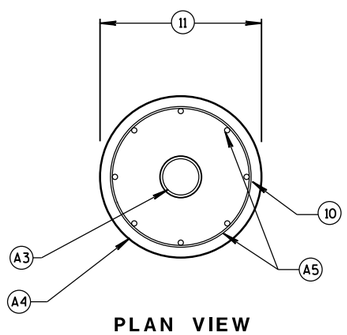
(22) IN SOIL MINIMUM DEPTH OF CABLE BARRIER END TERMINAL FOOTING IS 60 INCHES. DEEPER FOOTINGS PER MANUFACTURER'S RECOMMENATION ARE ACCEPTABLE.

(23) LINE POST DELINEATOR SPACING IS 100 FEET.

(24) LINE POST FOOTINGS ARE REQUIRED TO HAVE LESS THAN 1 INCH OF MOVEMENT WHEN LINE POST IS IMPACTED BY A NCHRP 350 SMALL CAR UNDER TL-3 TEST CONDITIONS.

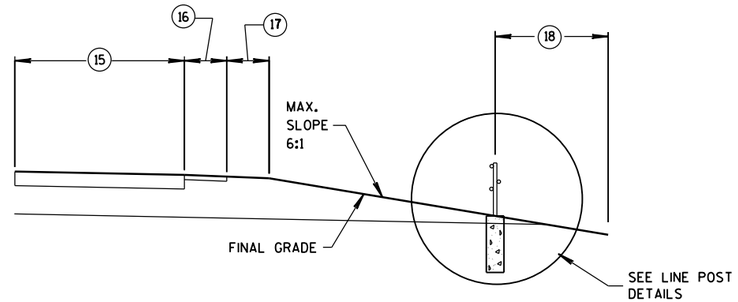


CROSS SECTION

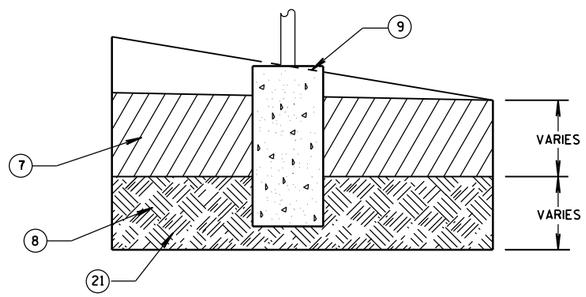


PLAN VIEW
(LINE POST AND CABLES NOT SHOWN)

LINE POST DETAILS



CABLE BARRIER OFFSET FROM DITCH LINE



LINE POST GRADING AND ROCK EXCAVATION DETAIL

CABLE BARRIER TYPE 1
LAYOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

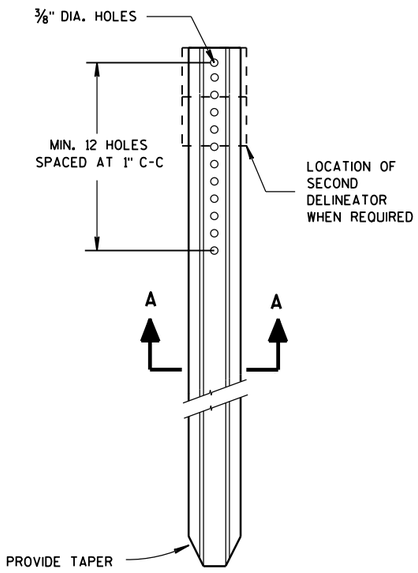
APPROVED
June. 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

6

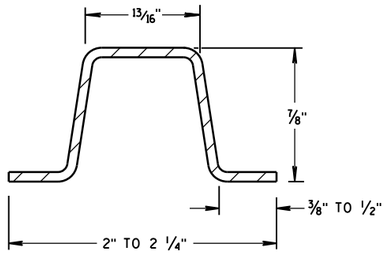
S.D.D. 14 B 52-1b

6

S.D.D. 14 B 52-1b

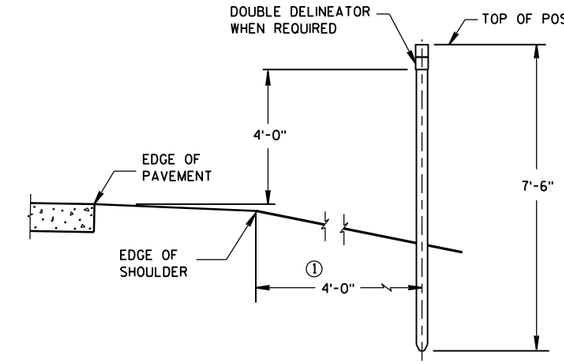


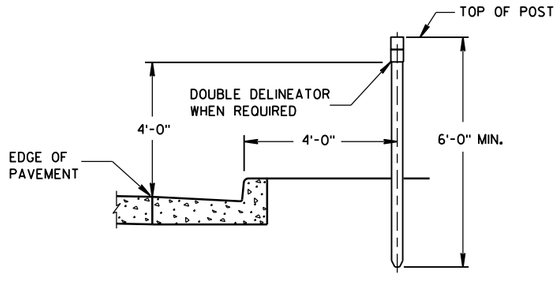
DELINEATOR POST



SECTION A-A

WEIGHT 1.12 LBS PER FT. ± 0.1 LB.



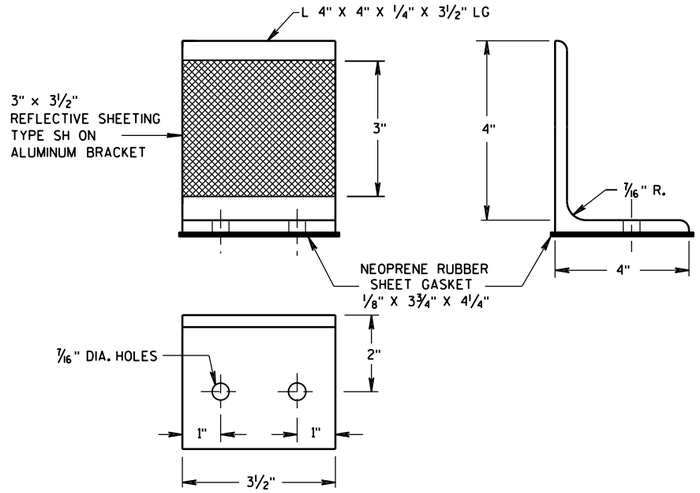


TYPICAL INSTALLATIONS OF DELINEATOR POSTS

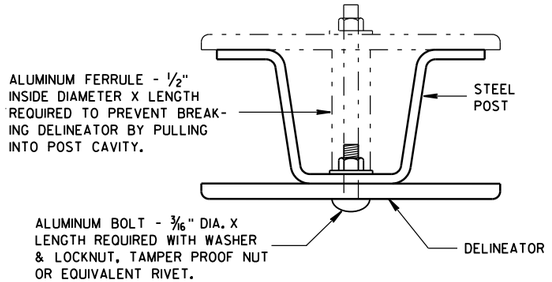
GENERAL NOTES

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

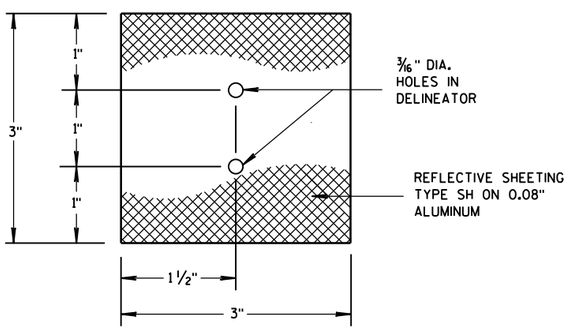
① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.



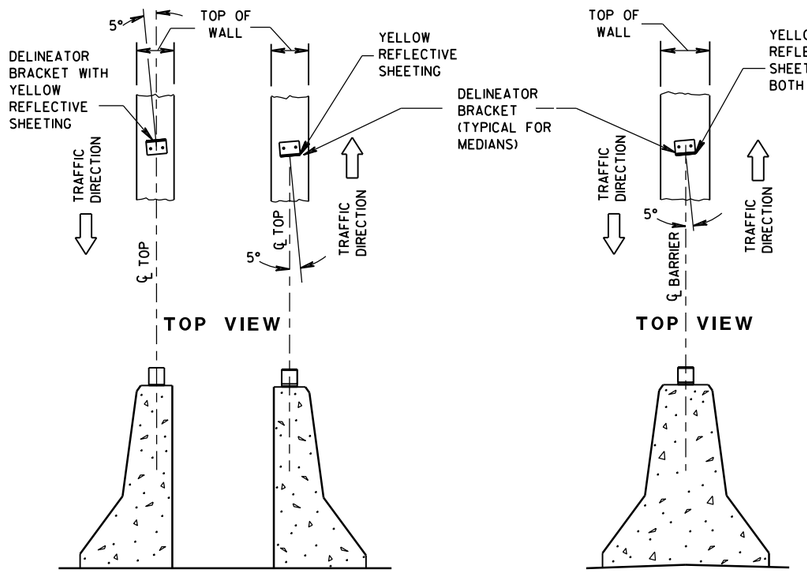
DELINEATOR BRACKET



MOUNTING DETAIL FOR DELINEATOR

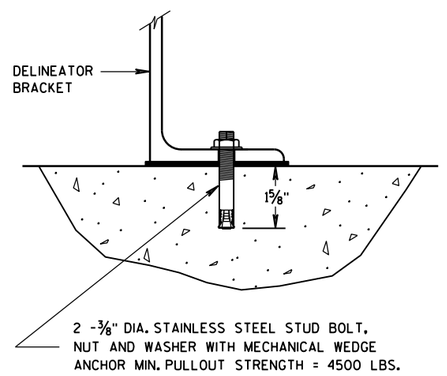


3"x 3" DELINEATOR



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, AND DELINEATOR BRACKET WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

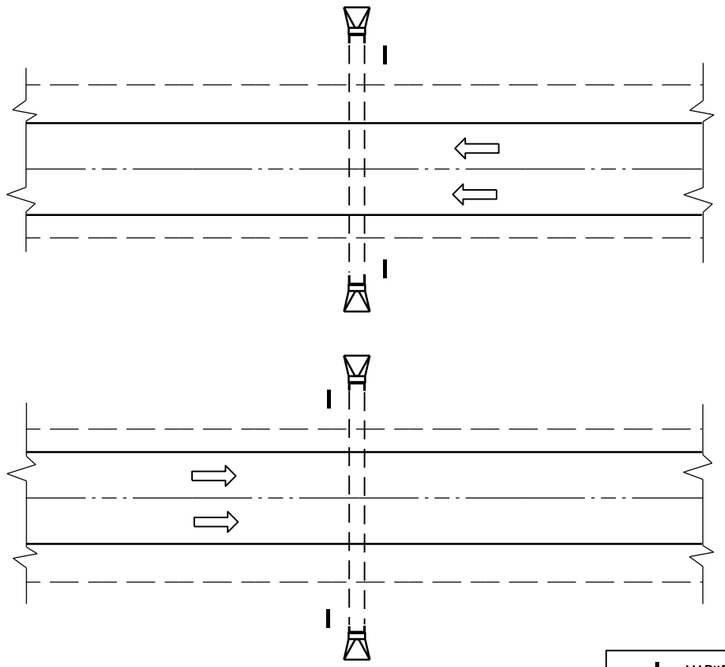
APPROVED
7/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC E
FHWA

6

S.D.D. 15 A 2-8

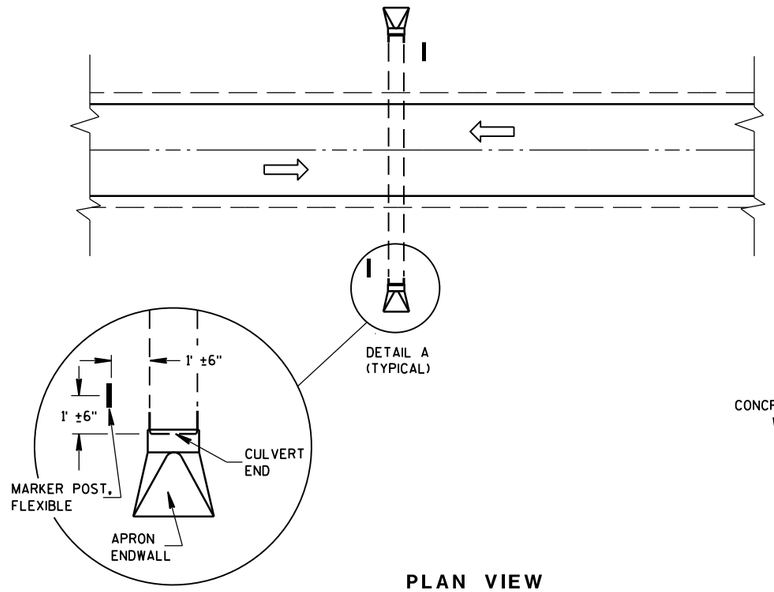
6

S.D.D. 15 A 2-8



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

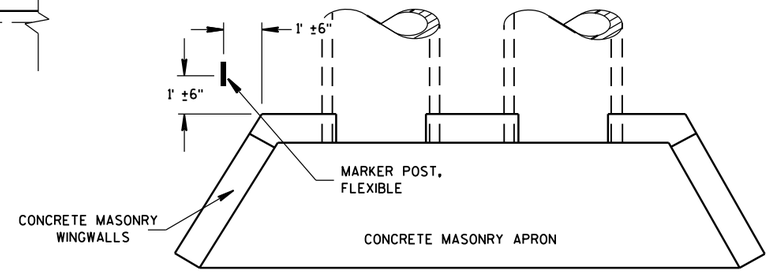
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

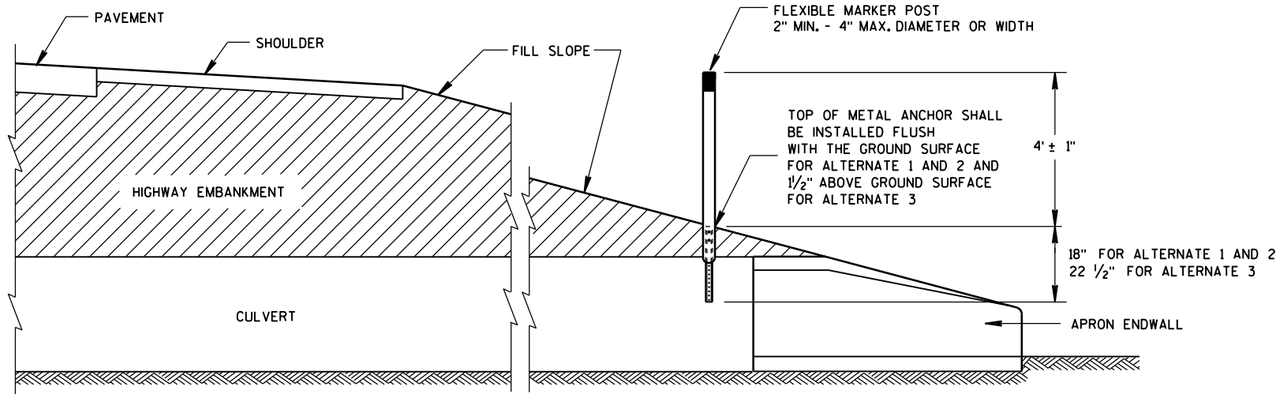
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

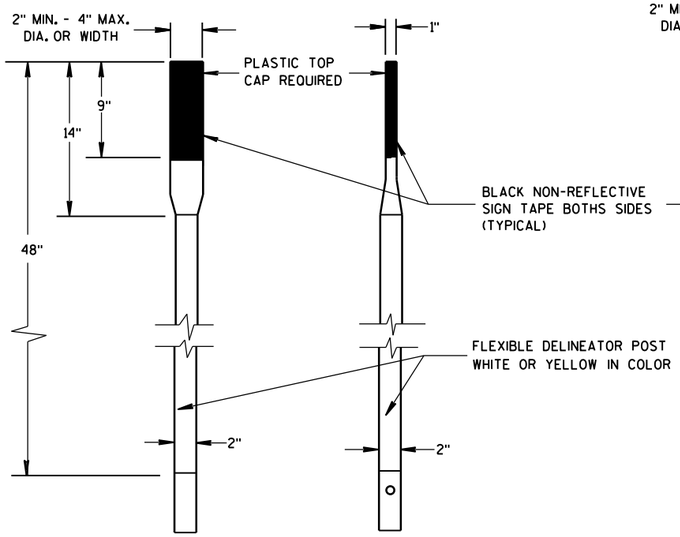
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

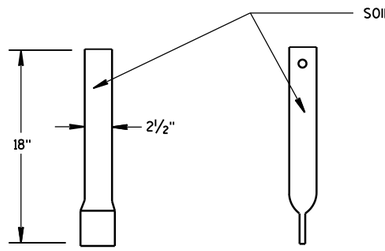
6

S.D.D. 15 A 3-2a

6

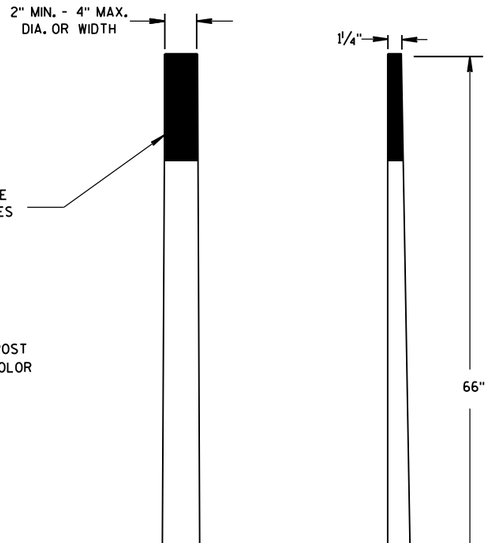
S.D.D. 15 A 3-2a





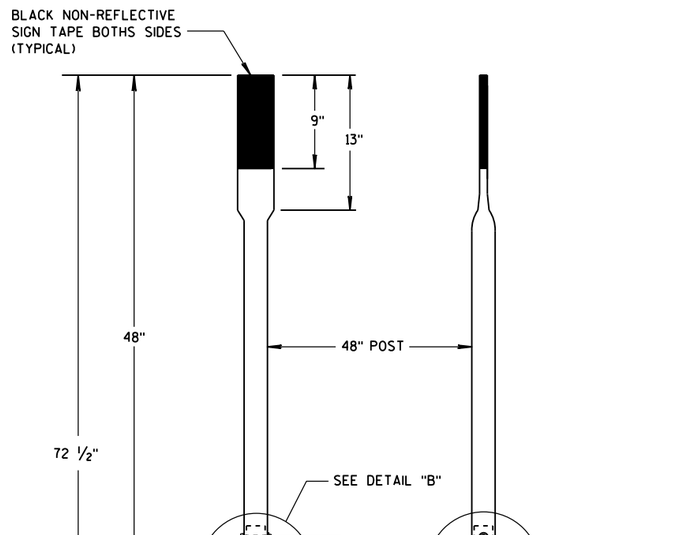
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

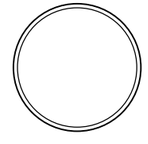
ALTERNATE 2



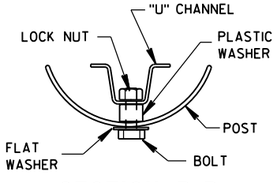
FRONT VIEW SIDE VIEW

ALTERNATE 3

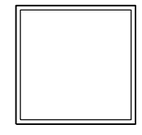
FLEXIBLE MARKER POSTS



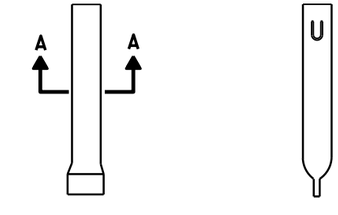
SECTION A-A



SECTION B-B

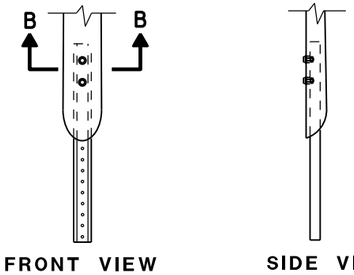


SECTION C-C



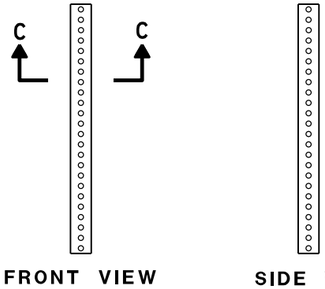
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

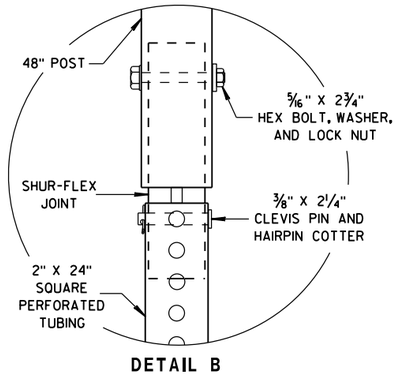
ALTERNATE 2



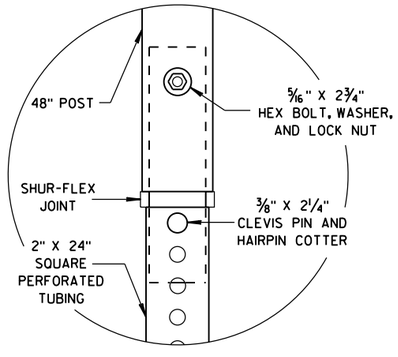
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

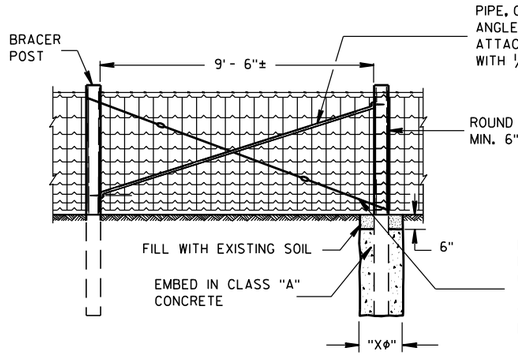
S.D.D. 15 A 3-2b

6

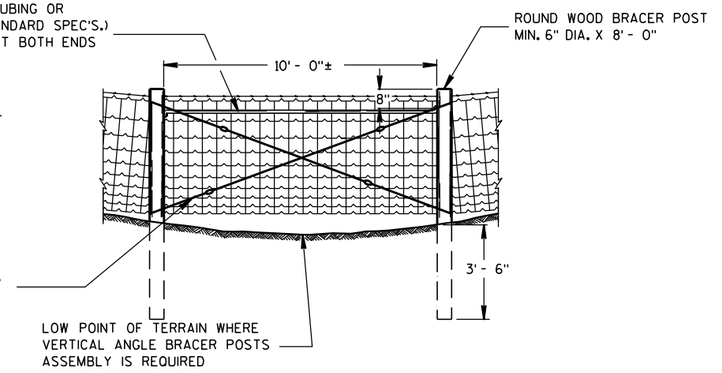
S.D.D. 15 A 3-2b

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

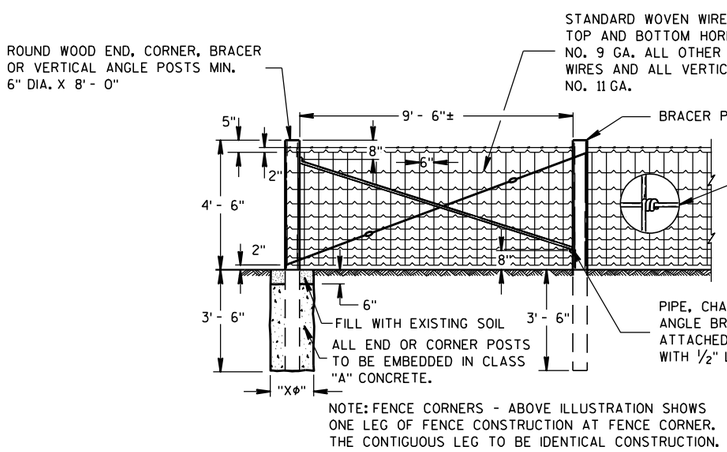
GENERAL NOTES

"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.

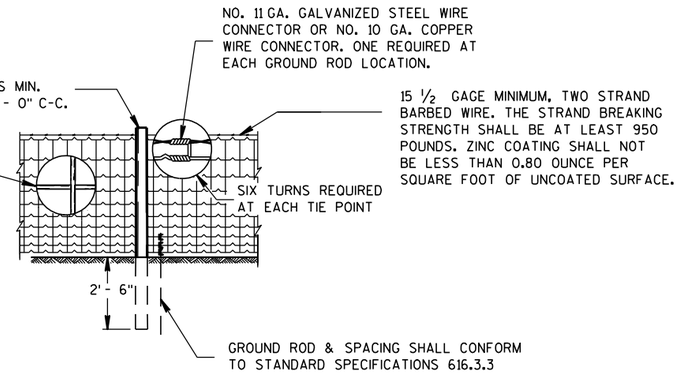
DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED 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.



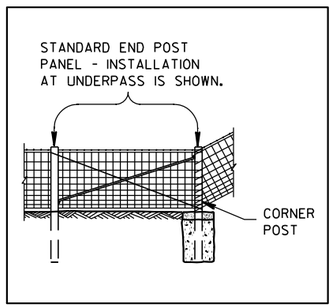
NOTE: FENCE CORNERS - ABOVE ILLUSTRATION SHOWS ONE LEG OF FENCE CONSTRUCTION AT FENCE CORNER. THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.

END OR CORNER POSTS ASSEMBLY

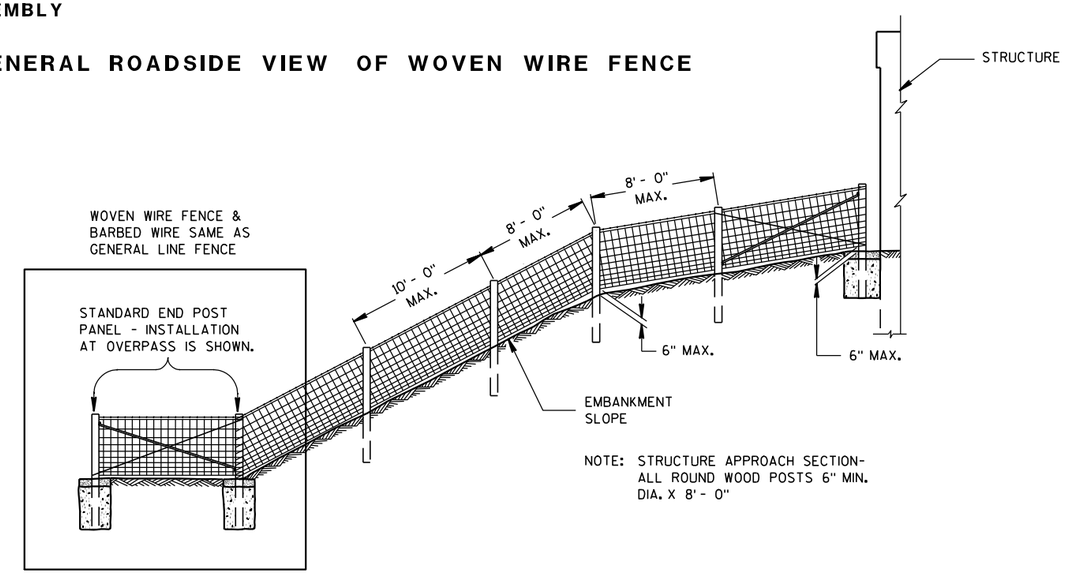


LINE FENCE CONSTRUCTION

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"

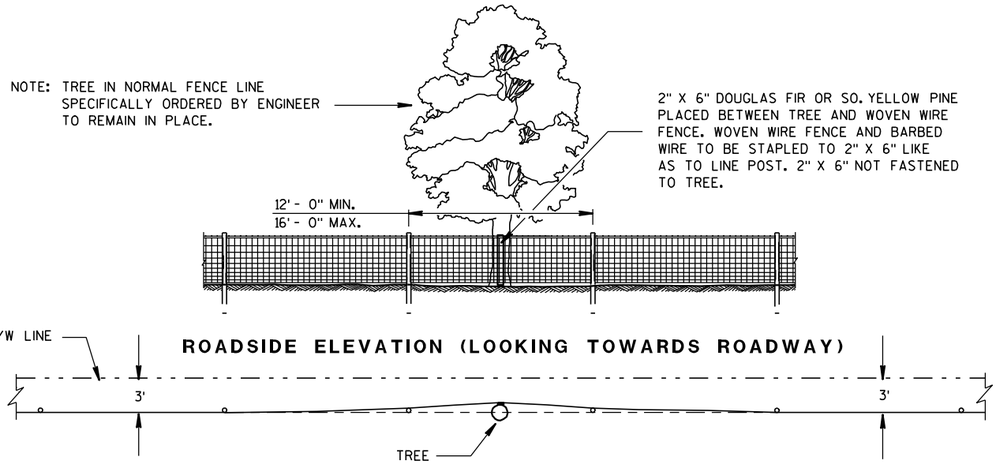
FENCE DESIGN AT STRUCTURE APPROACH

FENCE WOVEN WIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

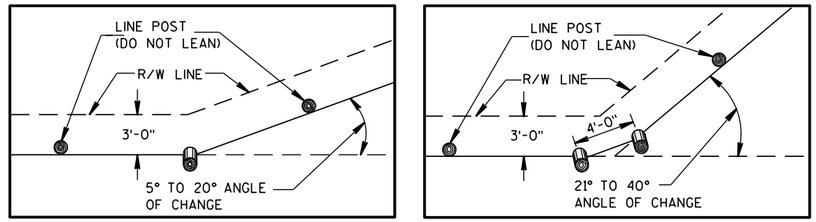
6

S.D.D. 15 B 1-8a



PLAN VIEW

FENCE DESIGN AT TREES REMAINING IN NORMAL FENCE LINE



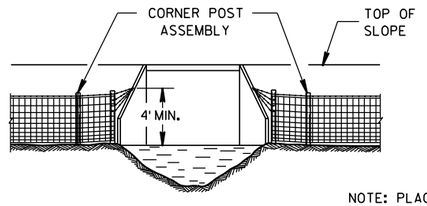
PLAN VIEW
SINGLE POST CORNER

PLAN VIEW
DOUBLE POST CORNER

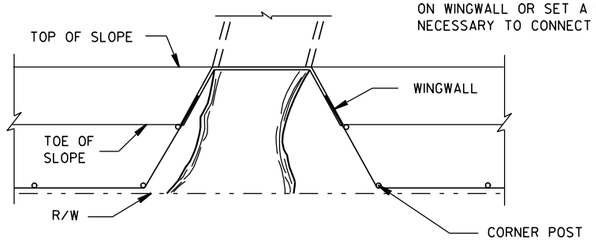
RIGHT OF WAY LINE CHANGE 40° AND LESS

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.

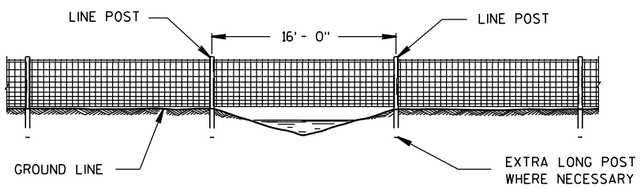
WHEN THE RIGHT OF WAY LINE CHANGE IS MORE THAN 40° USE THE CORNER OR STRETCHER POSTS ASSEMBLY.



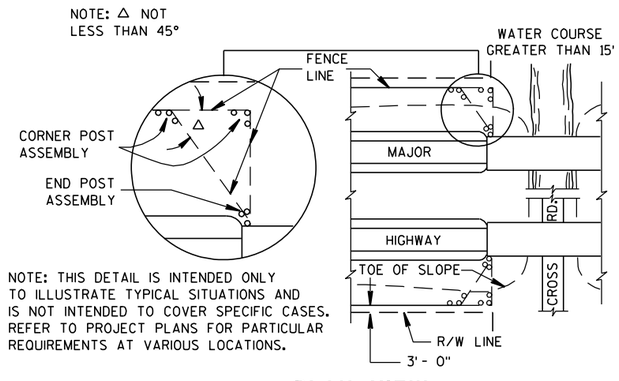
NOTE: PLACE A MINIMUM OF 4 STRANDS OF BARBED WIRE, 6" MAXIMUM CENTERS IN FAN SHAPE CONNECTED TO AN EYE BOLT ON WINGWALL OR SET A LONE POST WHEN NECESSARY TO CONNECT BARBED WIRE.



FENCE INSTALLATION TO WINGWALLS

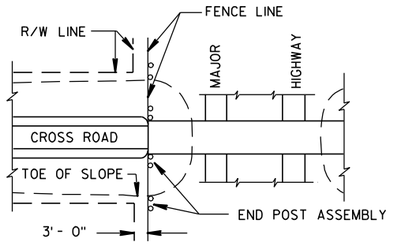


FENCE CONSTRUCTION OVER STREAM COURSES OF 15 FT. OR LESS IN WIDTH



PLAN VIEW

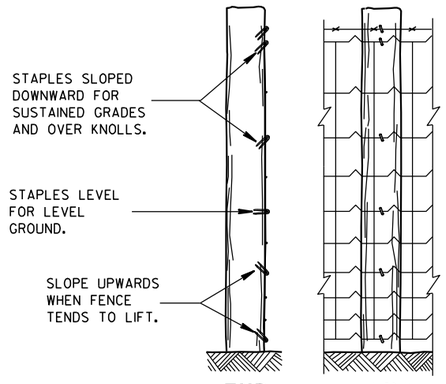
MAJOR HIGHWAY OVERPASS OR STREAM COURSE CROSSING OF GREATER THAN 15 FT. IN WIDTH



PLAN VIEW

MAJOR HIGHWAY UNDERPASS

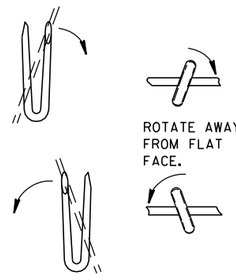
NOTE: WHEN POSTS ARE DRIVEN THE SMALL END SHALL BE DOWN.



END ELEVATION

FARM SIDE ELEVATION

FENCE MOUNTING DETAIL



LINE POST

FENCE LOCATION AT STRUCTURES

FENCE WOVEN WIRE

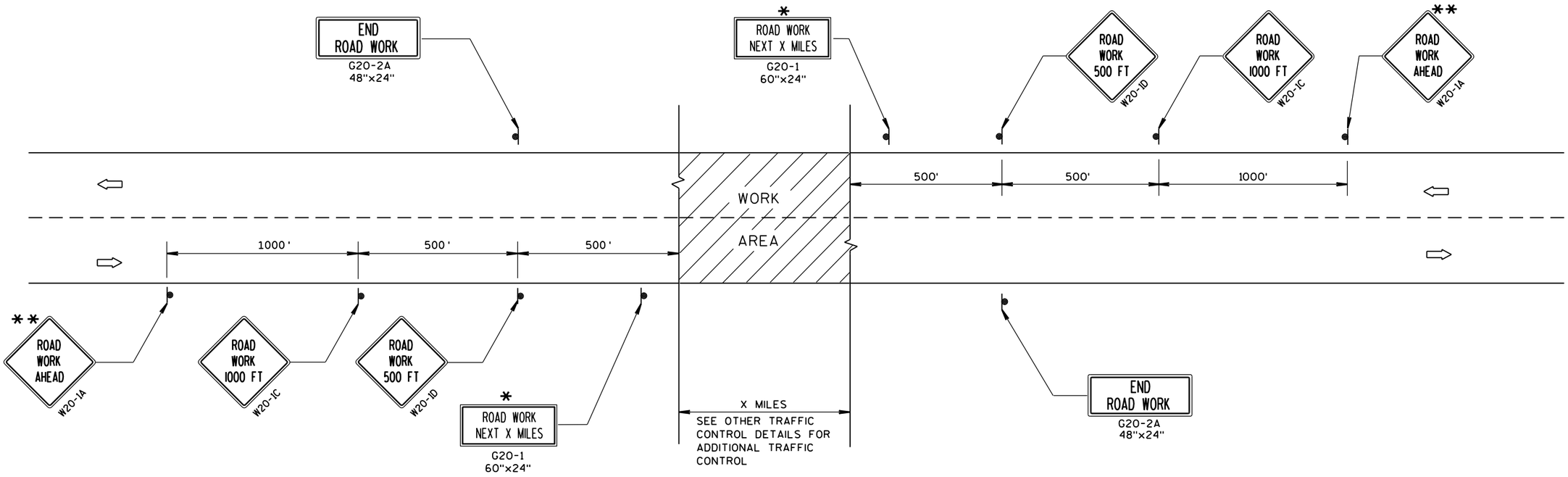
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/4/2008
DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS [illegible]
ENGINEER
FHWA

6

S.D.D. 15 B 1-8b

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.

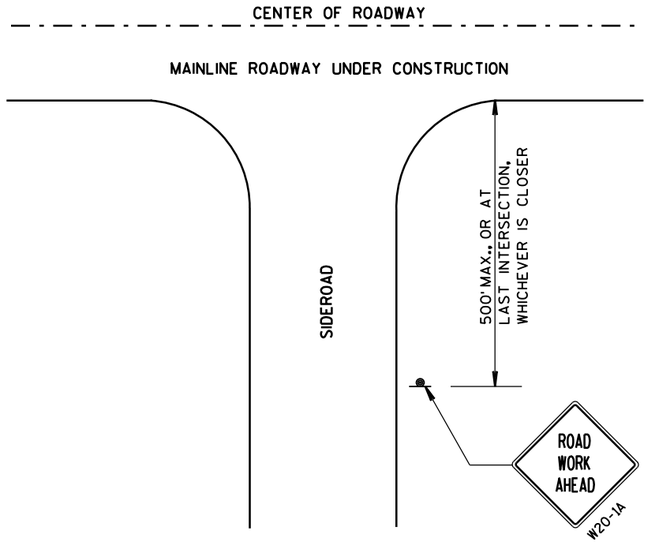
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

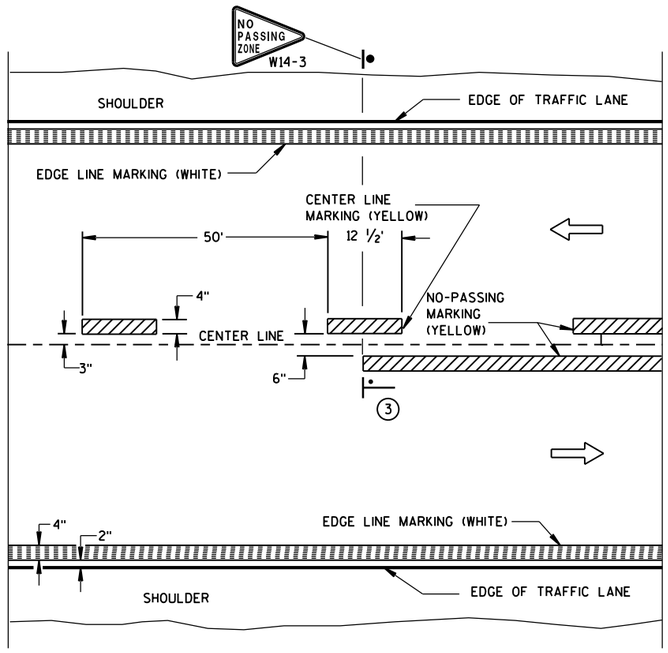
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE SAFETY ENGINEER

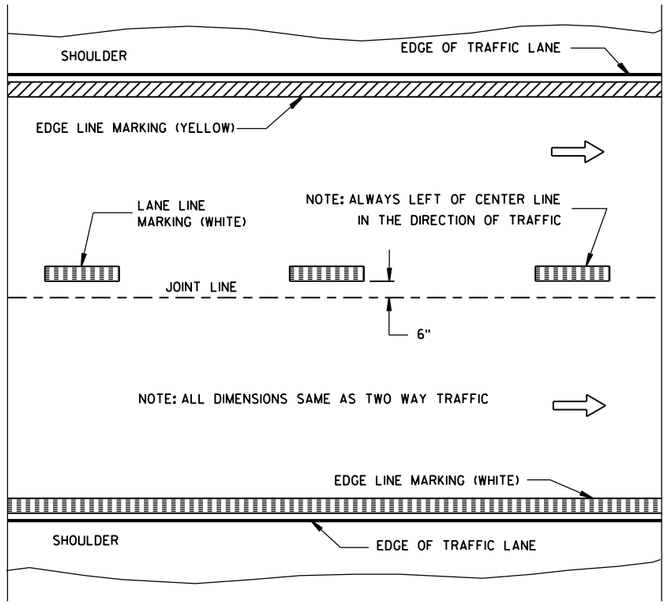
FHWA

6

S.D.D. 15 C 4-3

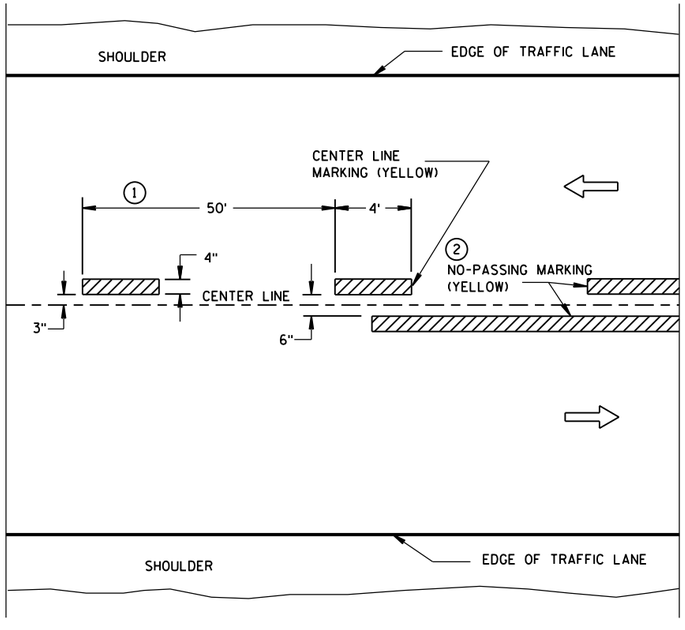


TWO WAY TRAFFIC

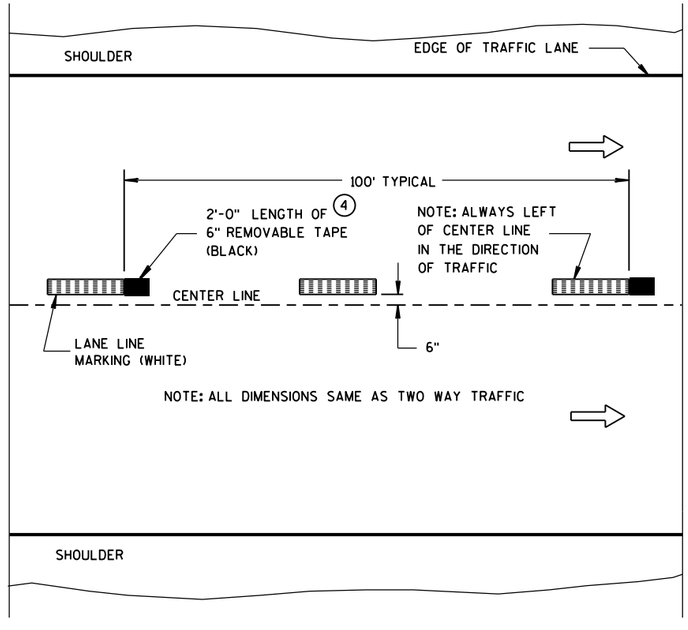


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

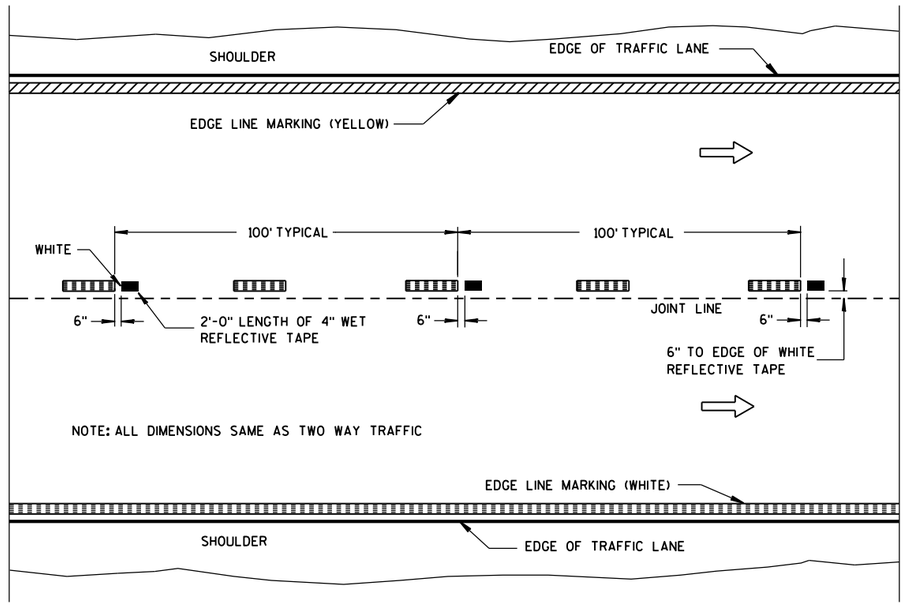
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-13-2013 — DATE

/S/ Travis Feltes — STATE TRAFFIC E

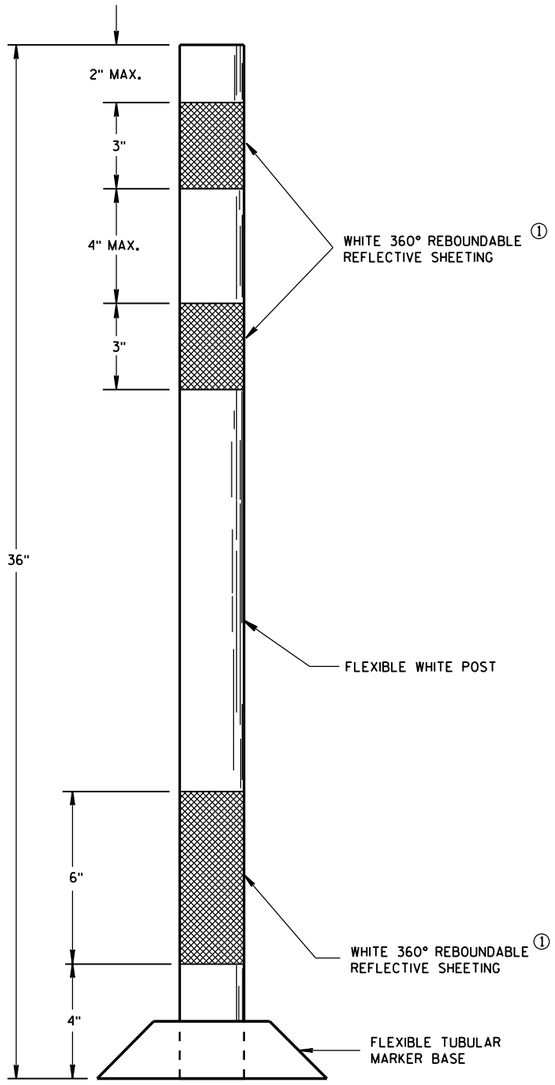
FHWA

6

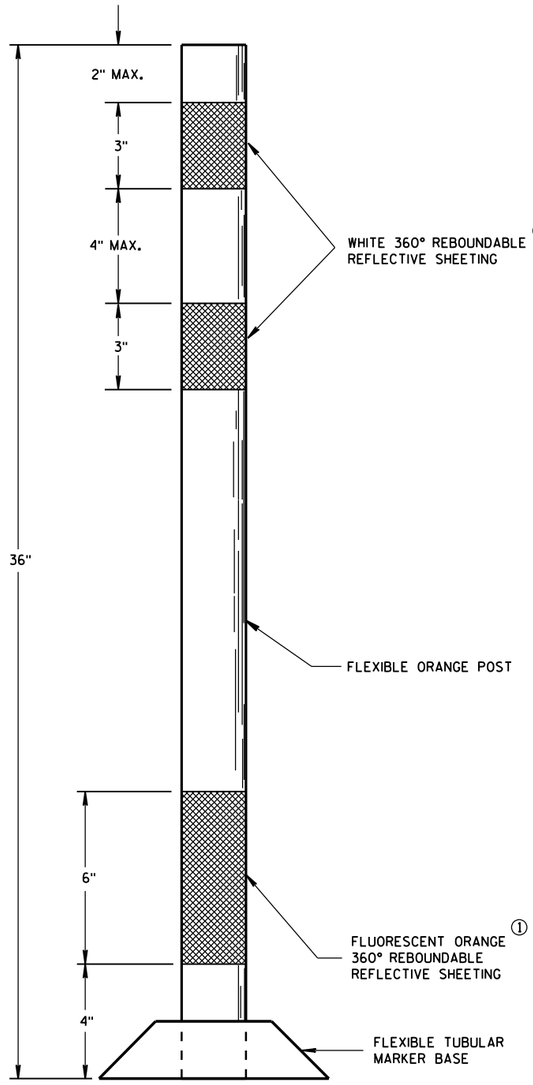
S.D.D. 15 C 8-16a

6

S.D.D. 15 C 8-16a



FLEXIBLE
TUBULAR MARKER POST
PERMANENT CROSSOVER



FLEXIBLE
TUBULAR MARKER POST
WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

6

6

S.D.D. 15 C 11-6

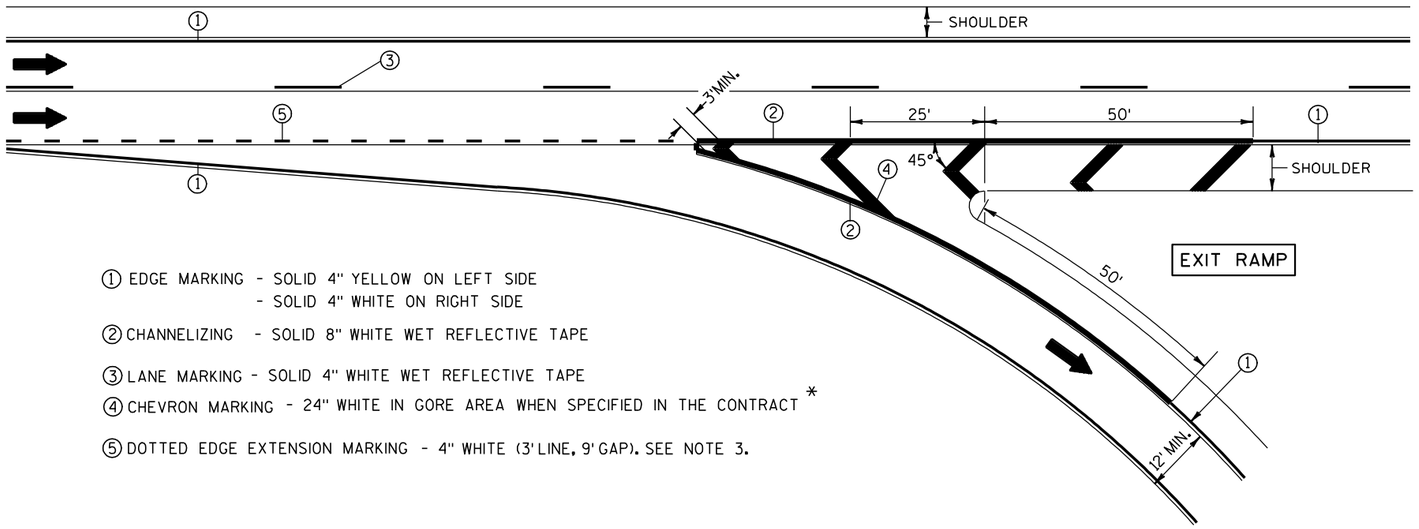
S.D.D. 15 C 11-6

FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10-16-2015
DATE
FHWA

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZON
SAFETY ENGINE



① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE
- SOLID 4" WHITE ON RIGHT SIDE

② CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE

③ LANE MARKING - SOLID 4" WHITE WET REFLECTIVE TAPE

④ CHEVRON MARKING - 24" WHITE IN GORE AREA WHEN SPECIFIED IN THE CONTRACT *

⑤ DOTTED EDGE EXTENSION MARKING - 4" WHITE (3' LINE, 9' GAP). SEE NOTE 3.

NOTES:

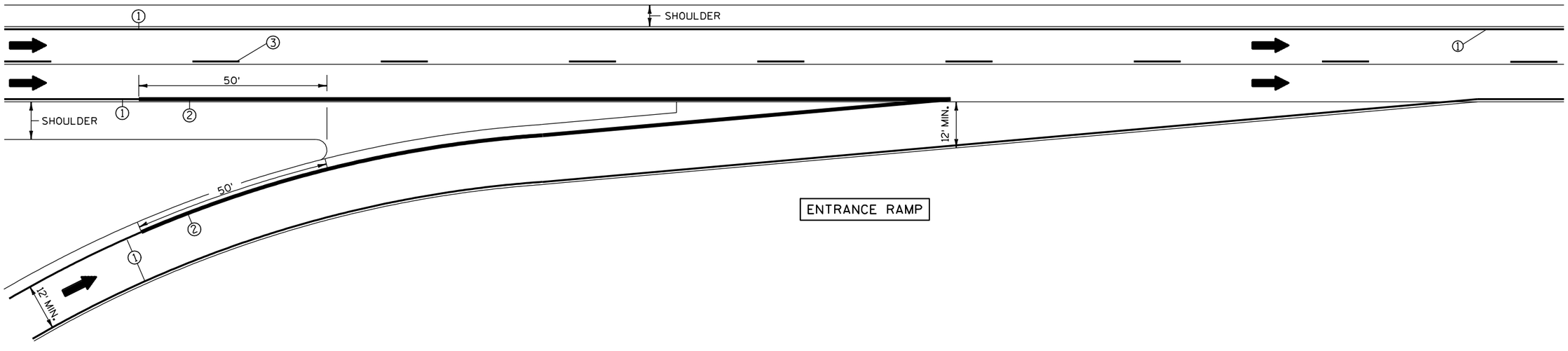
1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.

2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.

3. 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

4. RETRACE EXISTING DIAGONAL MARKINGS.

* REFER TO DESIGN NOTES.



6

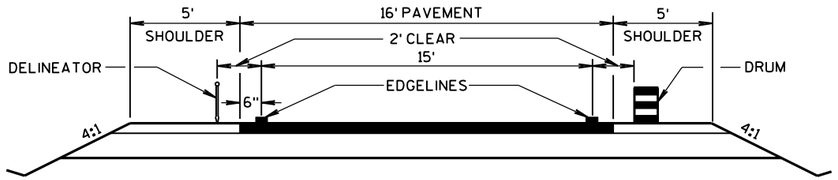
6

S.D.D. 15 C 31-1a

S.D.D. 15 C 31-1a

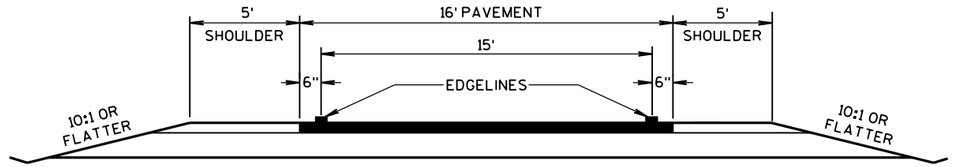
PAVEMENT MARKING
(RAMPS AND GORES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



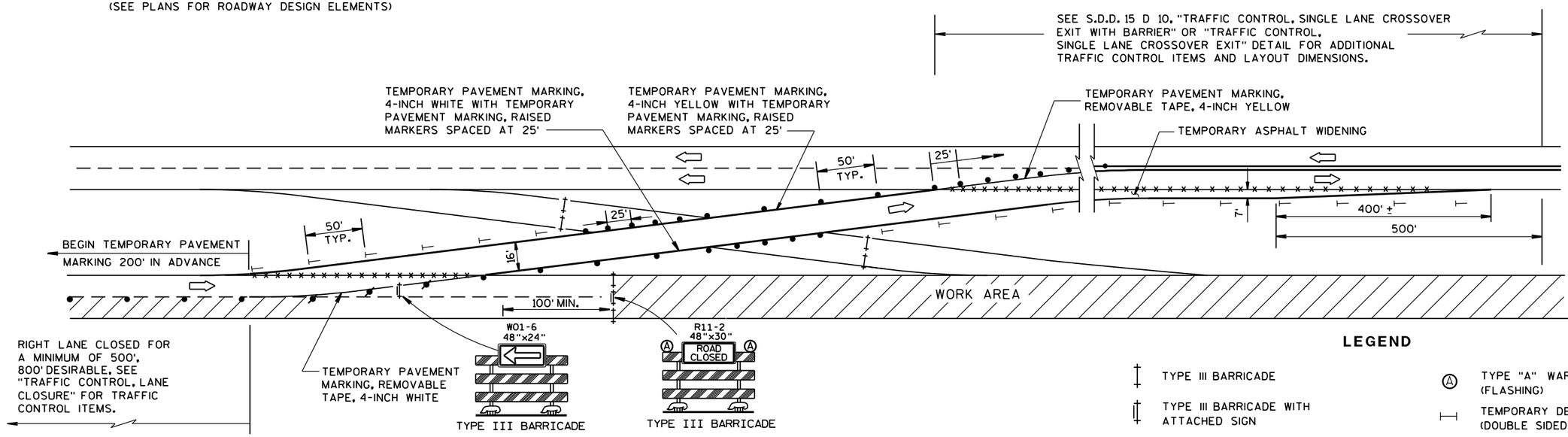
TYPICAL TEMPORARY CROSSOVER ROADWAY DIMENSIONS

(SEE PLANS FOR ROADWAY DESIGN ELEMENTS)



TYPICAL CROSSOVER TO REMAIN IN PLACE ROADWAY DIMENSIONS

(SEE PLANS FOR ROADWAY DESIGN ELEMENTS)



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TEMPORARY DELINEATOR (STEEL POST W/SINGLE DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE MARKING
- TYPE "A" WARNING LIGHT (FLASHING)
- TEMPORARY DELINEATOR (DOUBLE SIDED)
- REMOVING PAVEMENT MARKINGS
- DELINEATOR FLEXIBLE/ TUBULAR MARKER
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN PROPOSED SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER AND TEMPORARY PAVEMENT MARKING WHERE USED.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

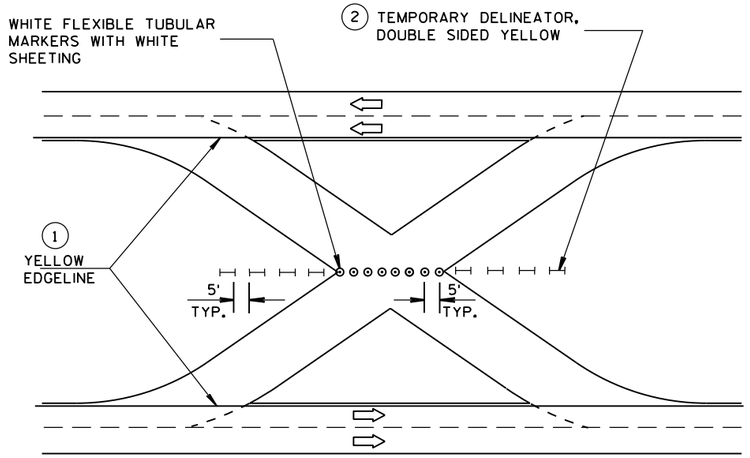
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

REVERSE DEVICES WHEN OTHER LEG OF CROSSOVER IS IN USE.

(1) FOR PERMANENT CROSSOVER, PAVEMENT MARKING SHOULD CONFORM TO SECTION 646 OF THE STANDARD SPECIFICATIONS.

(2) FOR PERMANENT CROSSOVER, INSTALL PERMANENT DELINEATORS ACCORDING TO SECTION 633 OF THE STANDARD SPECIFICATIONS.



TRAFFIC CONTROL FOR CROSSOVER THAT IS NOT IN USE

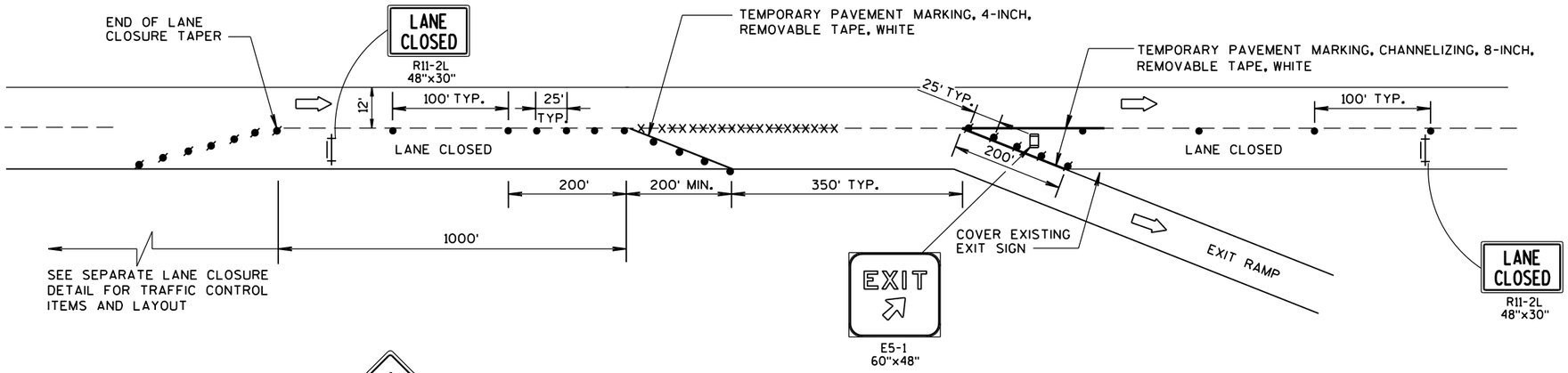
TRAFFIC CONTROL, SINGLE LANE CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

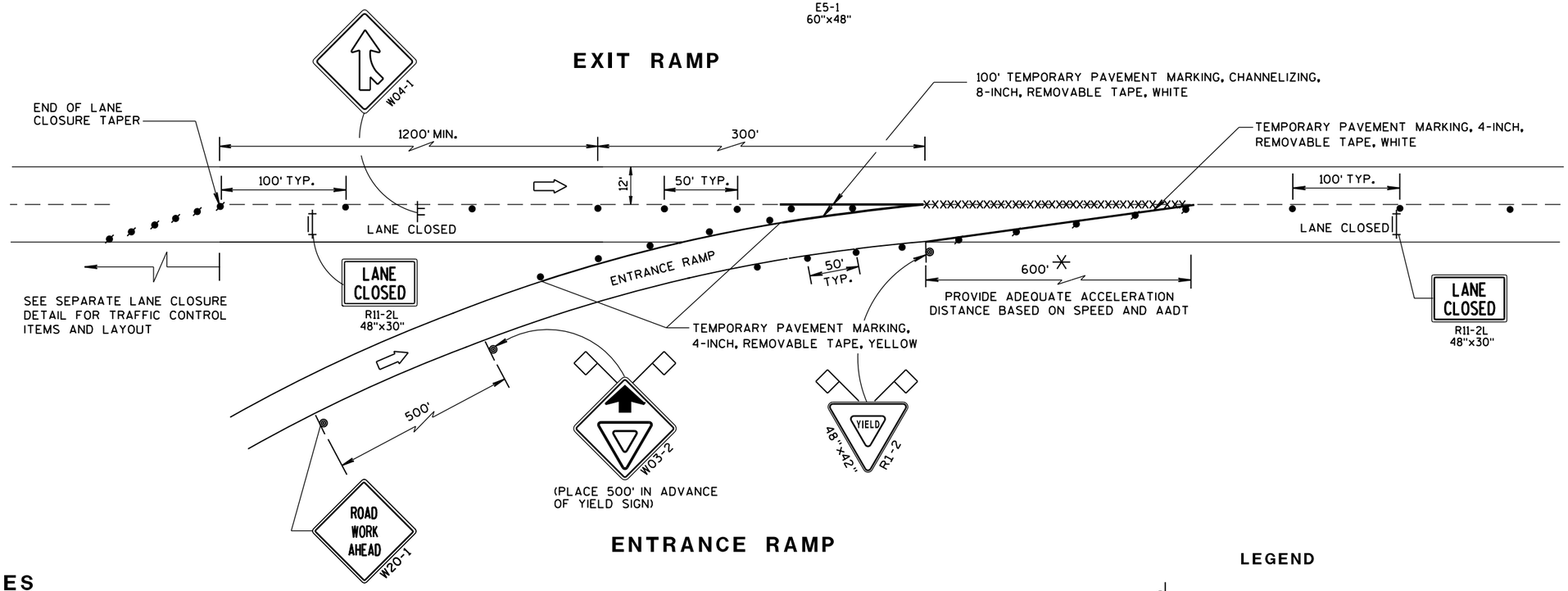
APPROVED
10-16-2015 DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZON SAFETY ENGIN IC
FHWA

6

S.D.D. 15 D 11-6



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

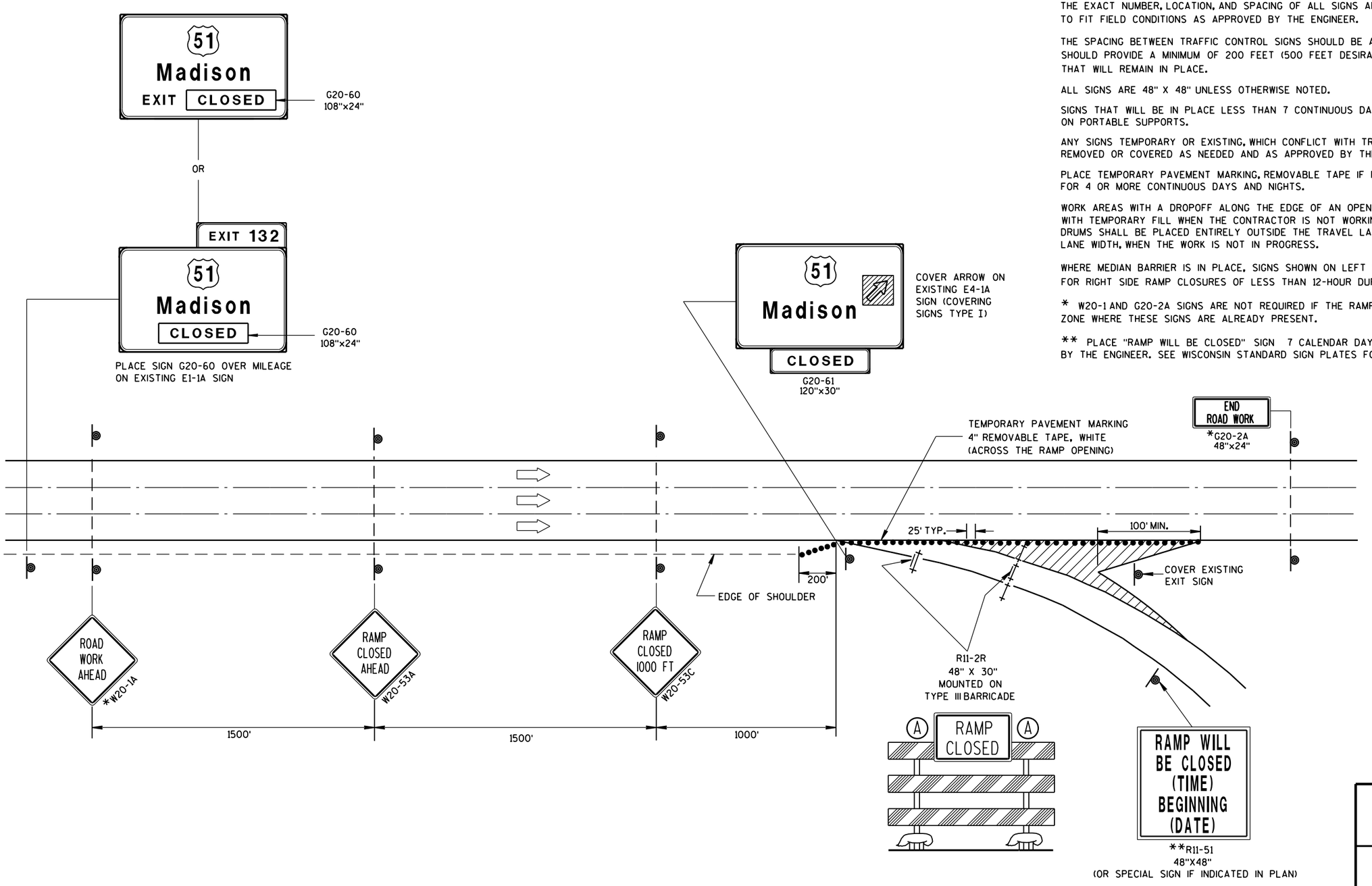
TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

S.D.D. 15 D 15-2

S.D.D. 15 D 15-2



GENERAL NOTES

THIS RAMP CLOSURE DETAIL IS TYPICAL FOR CLOSING A RIGHT SIDE EXIT RAMP. FOR A LEFT SIDE EXIT RAMP, REVERSE THE TRAFFIC CONTROL.

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" X 48" UNLESS OTHERWISE NOTED.

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.

PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROPOFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN THE WORK IS NOT IN PROGRESS.

WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12-HOUR DURATION.

* W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

** PLACE "RAMP WILL BE CLOSED" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO FIC
SAFETY ENGII
FHWA

6

S.D.D. 15 D 16-3

6

S.D.D. 15 D 16-3

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.

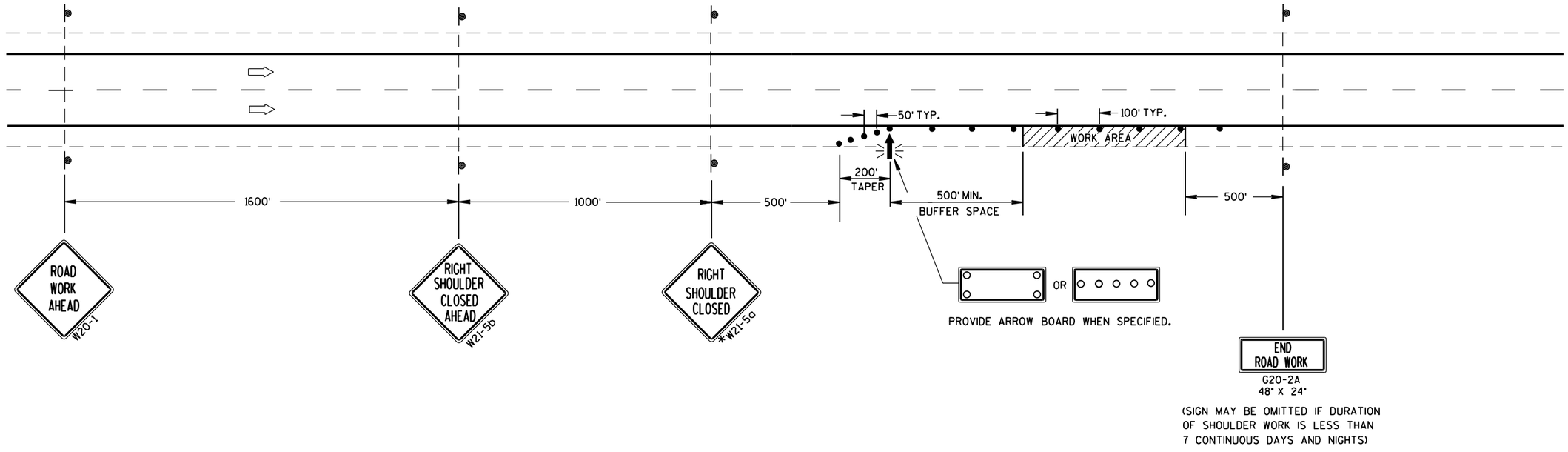
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

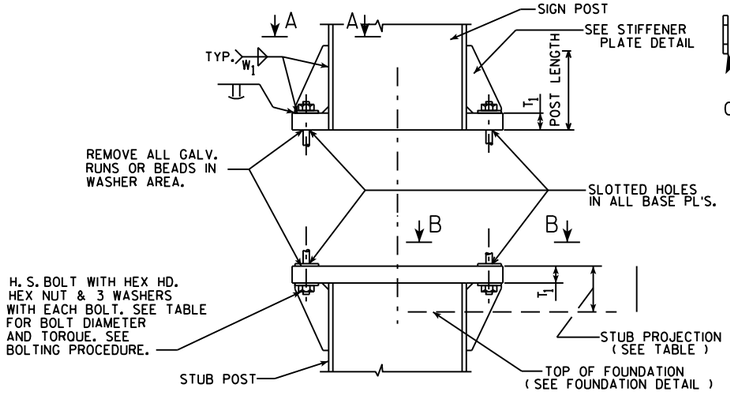
8/2013 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER

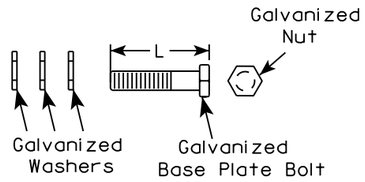
FHWA

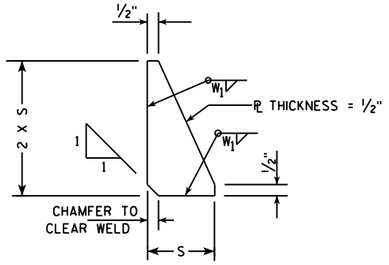
6

S.D.D. 15 D 27-2



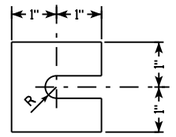
SIGN POST AND STUB POST ELEVATION





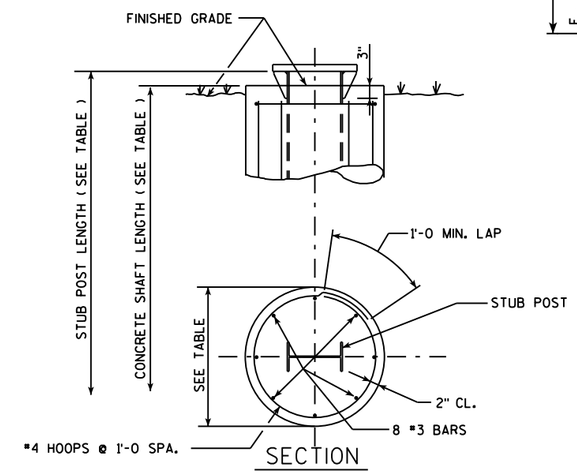
STIFFENER PLATE DETAIL

(SEE TABLE FOR DIMENSIONS)

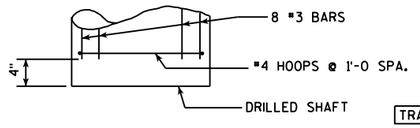


FURNISH 2 @ .012" ± THICK AND 2 @ .032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO A.S.T.M.- B36.

SHIM DETAIL



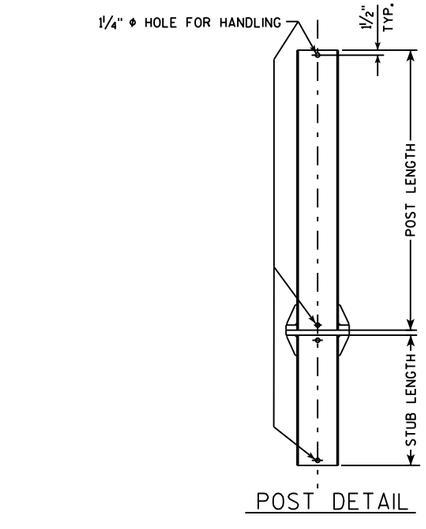
SECTION



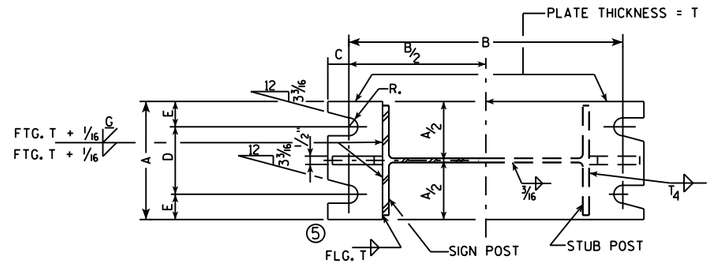
FOUNDATION DETAIL

QUANTITIES FOR 1 FOOTING		
	CONC. MASONRY C.Y.	REINF. STEEL LBS.
A	0.6	34
B	0.8	49
C	0.9	50
D	0.9	56
⑦ E	1.0	62

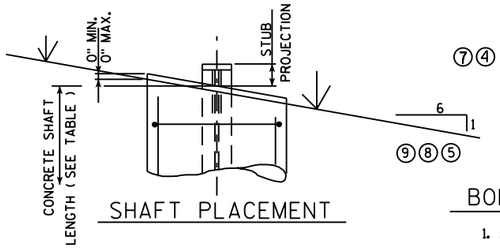
REINF.	TYPE	#3	#4
	A	8 @ 4'-5	5 @ 6'-3
	B	8 @ 6'-5	7 @ 6'-3
	C	8 @ 6'-11	7 @ 6'-3
	D	8 @ 7'-5	8 @ 6'-3
⑦	E	8 @ 7'-11	9 @ 6'-3



POST DETAIL



SECTION A-A SECTION B-B



⑦④

SHAFT PLACEMENT

DESIGN DATA

WIND PRESSURE = 75 M.P.H.
WIND COMPONENTS - NORMAL = 1.0 TRANSVERSE = 0.0
ICE LOAD = 3 P.S.F.

GROUP LOADS	PERCENT OF ALLOWABLE STRESS
1. DEAD	100
2. DEAD & WIND	140
3. DEAD, ICE & ½ WIND[4]	140 [4]25 P.S.F. MIN.

ALLOWABLE SOIL PRESSURE = 1½T / SQ. FT.
WIND LOAD WAS APPLIED TO THE AREA OF THE SIGN AND TO THE SUPPORTING MEMBERS.
ICE LOAD WAS APPLIED TO ONE FACE OF THE SIGN AND AROUND THE SURFACE OF THE SUPPORTING MEMBERS.

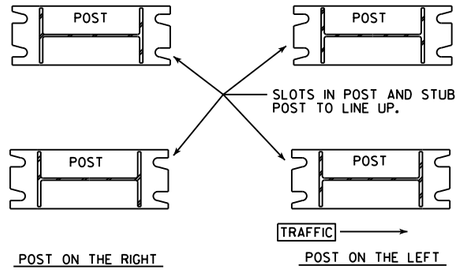
GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
DESIGN CONFORMS WITH A.A.S.H.T.O. SPECIFICATIONS 1985.
⑨ ALL POSTS, POST STUBS & ATTACHMENTS SHALL BE A.S.T.M. A709 GRADE 50, GALVANIZED IN ACCORDANCE WITH ASTM A123.
THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.
FURNISH STEEL BOLTS, NUTS, AND WASHERS IN ACCORDANCE WITH SECTION 635 OF THE STANDARD SPECIFICATIONS.

BOLTING PROCEDURE - BASE CONNECTION

1. ASSEMBLE SIGN POST TO STUB POST WITH BOLTS AND ONE OF THE FLAT WASHERS ON EACH BOLT BETW. PLATES.
2. SHIM AS REQ'D. TO PLUMB POST.
3. PRIOR TO BOLT TIGHTENING LUBRICATE BASE CONNECTION BOLTS WITH BEESWAX OR OTHER HIGH-WAX LUBRICANT.
4. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS, THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. (SEE TABLE)
5. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

NOTE:
TIGHTEN THE HIGH STRENGTH BOLTS TO THE TORQUE SHOWN. DO NOT OVERTIGHTEN.



POST SLOT ORIENTATION ⑦

L	X	TYPE	DIMENSION / POST SIZE	BASE CONNECTION DATA TABLE: BOLT SIZE & TORQUE	A	B	C	D	E	T_1	T_4	W_1	R	S	FOUNDATION DATA: STUB LENGTH	STUB PROJECTION	SHAFT DIAMETER	SHAFT LENGTH	② K
3 ¾	④	A	W10"X12.0 #/FT.	¾" ϕ @ 75#-FT.	5¼"	1'-0⅜	⅞"	3½"	⅞'	1"	3/16"	5/16"	13/32"	2⅛"	3'-6	3"	2'-0 ϕ	5'-0	76.0# ④
4 ¾	④	B	W12"X16.0 #/FT.	⅞" ϕ @ 85#-FT.	5½"	1'-4¼	1"	3½"	1"	1¼"	¼"	5/16"	15/32"	3"	5'-6	3"	2'-0 ϕ	7'-0	146.5# ④
5		C	W12"X19.0 #/FT.	⅞" ϕ @ 85#-FT.	5½"	1'-4¼	1"	3½"	1"	1½"	5/16"	5/16"	15/32"	3"	6'-0	3"	2'-0 ϕ	7'-6	182.1#
5		D	W12"X22.0 #/FT.	⅞" ϕ @ 85#-FT.	5½"	1'-4¼	1"	3½"	1"	1½"	⅜"	5/16"	15/32"	3"	6'-6	3"	2'-0 ϕ	8'-0	210.5#
5	③	E	W12"X26.0 #/FT.	1" ϕ @ 90#-FT.	7"	1'-4¼	1¼"	4"	1½"	1½"	⅜"	5/16"	17/32"	3"	7'-0	3"	2'-0 ϕ	8'-6	293.0# ③

① ⑥ ①

STRUCTURAL CARBON STEEL PAY WTS. (1 POST) = K+ (POST LENGTH X POST WT.)
" K " INCLUDES STUB, BASE PLATES, STIFFS., BOLTS, AND WASHERS.

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/12/15 PLATE NO. A3-1.16

⑩	1-21-14	LUBRICATION OF BASE BOLTS
⑨	4-26-11	REMOVE NON-GALVANIZED
⑧	10-30-96	NOT GALVANIZED/GALVANIZED
⑦	10-30-92	QUANT., A588 EXCEPT., ADD SLOT VIEW
⑥	8-24-87	BASE CONN. WELD
⑤	10-13-81	BASE CONN. WELD & FUSE PL WASHERS
④	10-19-79	POST A & B, A572 GR. 50, & K
②	11-28-78	"K" ③ 4-23-79 TYPE "E"
①	5-4-78	T_1 , T_2 & W_1
NO.	DATE	REVISION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

TYPE A, B, C, D, & E

CONST. SPEC.	DRAWN BY	PLANS CK'D.
2011	JPH	

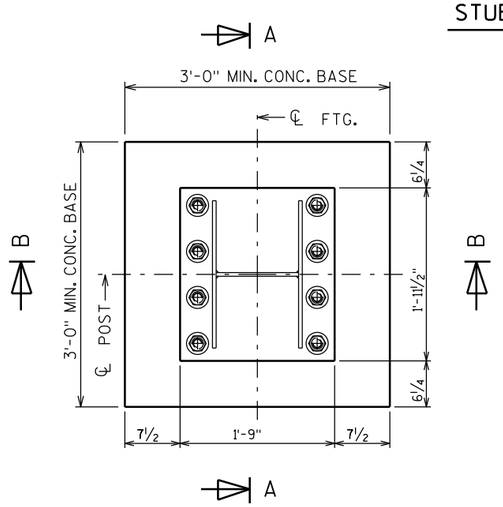
FTG. & SIGN SUPPORT DETAILS GROUND MOUNT BREAK-AWAY SIGNS

SHEET 208

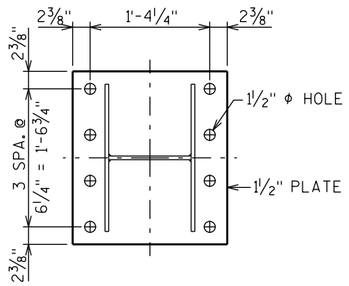
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A31.DGN PLOT DATE : 01-DEC-2015 18:20 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000

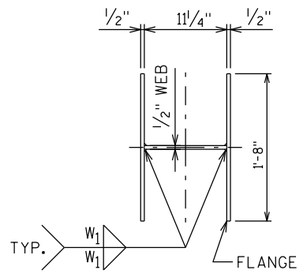
STUB AND MASONRY ANCHOR DETAILS



STUB SECTION



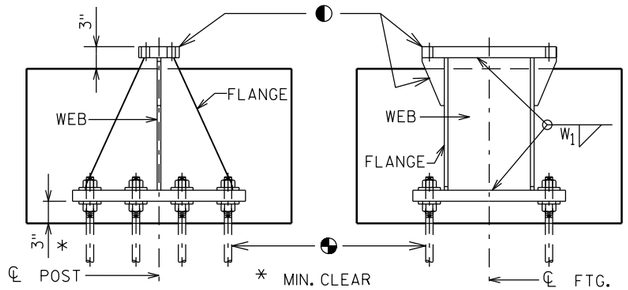
BASE PLATE



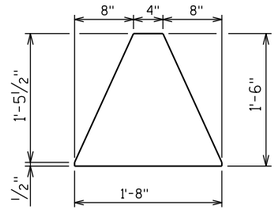
STUB

◐ SEE PLATE NO. A3-1 FOR DETAILS

◒ MASONRY ANCHORS TYPE S 1¼-INCHES (ADHESIVE). ALLOWABLE PULL OUT CAPACITY 14,995 KIPS. EMBED 1'-3" IN ROCK.



SECTION A SECTION B



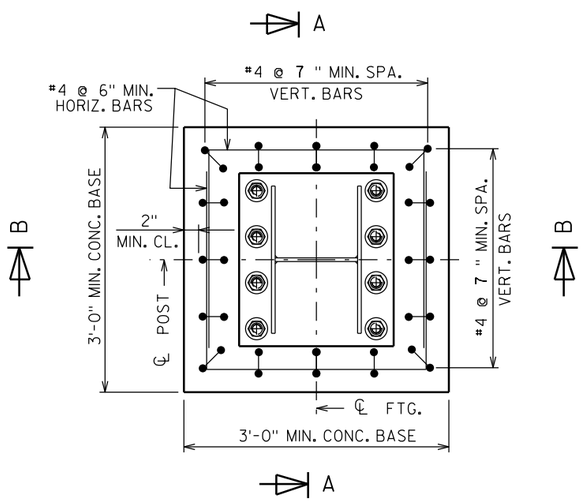
FLANGE

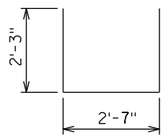
GENERAL NOTES

1. Quantities per Base:
   - REINFORCING BAR STEEL = 62 LBS
   - CONCRETE = 0.6 C.Y.
   - STEEL WEIGHT = 335 LBS
2. All materials, except anchor rod, nuts and washers, are to be A.S.T.M. A709 grade 50. All materials to be galvanized after fabrication.
3. If the contractor encounters rock before reaching the footing depth, per the A3-1 Sign Detail, determine the pull-out capacity of a test adhesive anchor installed in the rock. If the test result equals or exceeds the pull-out capacity of 14,995 KIPS, the contractor may install the breakaway stub for rock, according to this detail.

CONCRETE BASE AND REINFORCING STEEL DETAILS

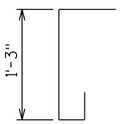
CONCRETE BASE SECTION





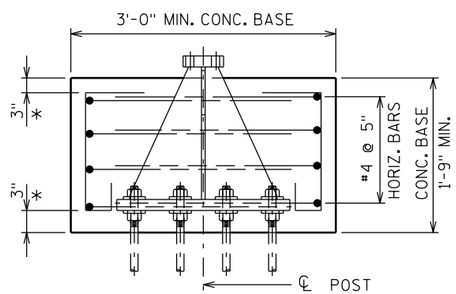
HORIZONTAL BAR

8 BARS @ 6'-11" LENGTH



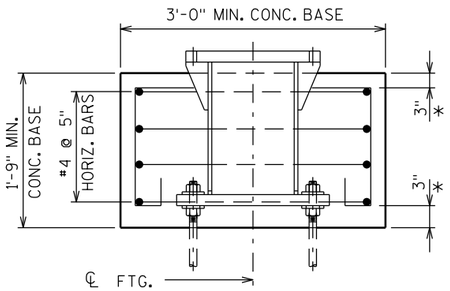
VERTICAL BARS

16 BARS @ 2'-4" LENGTH
MAY BE PLACED IN SKEW
FOR CLEARANCE NEED



SECTION A

* MIN. CLEAR



SECTION B

ALTERNATE BREAK-AWAY BASE ON ROCK
A3-1M

WISCONSIN DEPT OF TRANSPORTATION

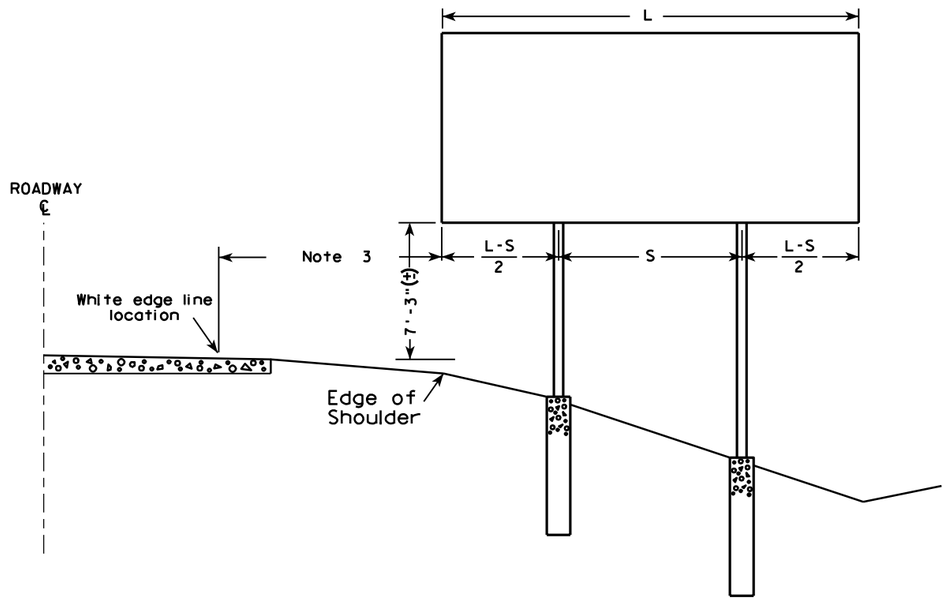
APPROVED Matthew R Rauch for State Traffic Engineer

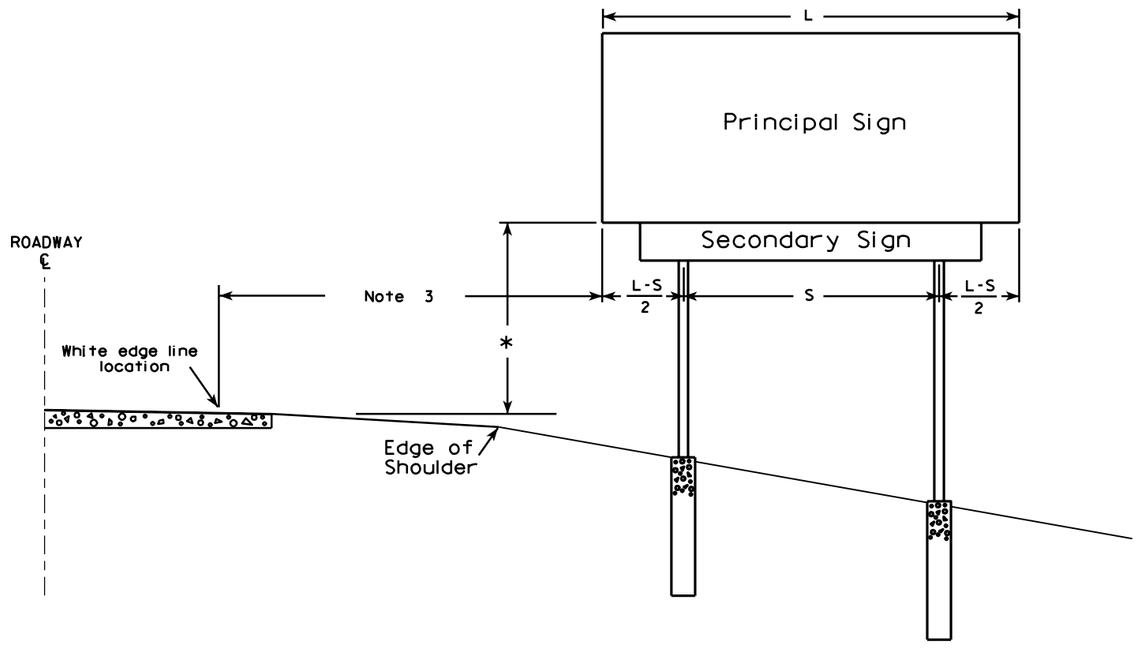
DATE 2/06/2014 PLATE A3-1M.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A31M.DGN PLOT DATE : 10-MAR-2014 15:16 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.556674:1.000000

WISDOT/CADDS SHEET 42





GENERAL NOTES

1. For a 2 post installation, S equals 3L/5, but shall not be less than 9 ft.
2. For a 3 post installation, S equals 5L/7, but shall not be less than 18 ft., and the space between any two posts shall not be less than 9 ft.
3. Unless noted in the plan, the sign offset distance shall be a minimum of 17'-6", desirable 30'-0".
4. The (±) tolerance shown on this sheet is 3 in.
5. The vertical sign height clearance detailed is measured from the bottom of the sign to the near edge of pavement.
6. Post lengths shown in the miscellaneous quantities are estimated lengths. The contractor shall verify post lengths at the time of final grading.
7. Refer to the Traffic Guidelines Manual for further guidance on minimum vertical clearance requirements.

* Clearance is 8'-3"(±) when the secondary sign is 3 ft. or less in height. For secondary signs larger than 3 ft., the clearance to the bottom of the secondary sign shall be 5'-3"(±).

7

7

TYPICAL INSTALLATION
OF TYPE I SIGNS

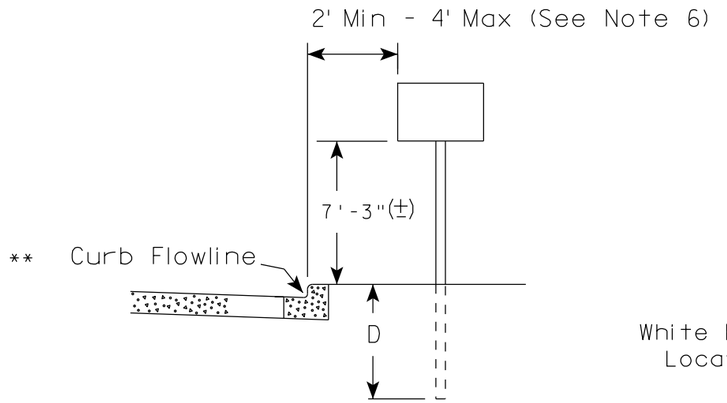
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

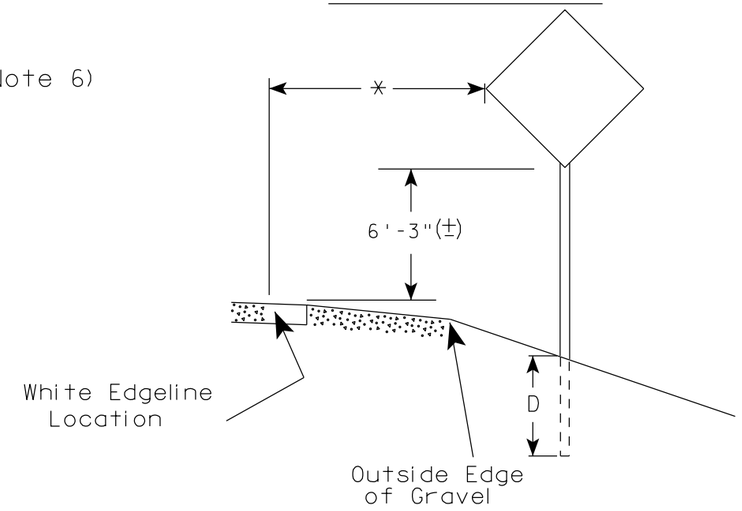
DATE 4/02/08 PLATE NO. A4-1.9

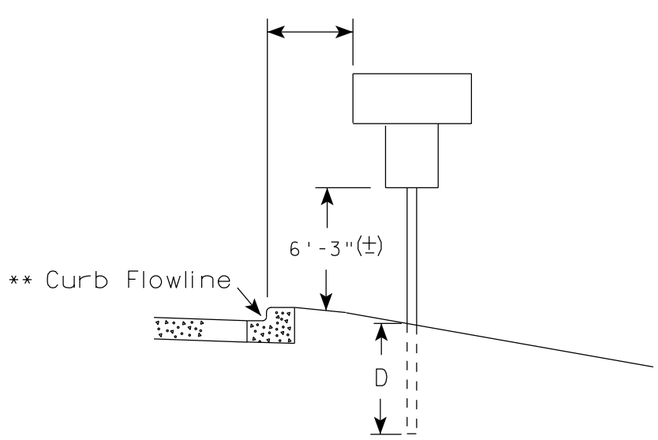
PROJECT NO:				SHEET NO: 210	E

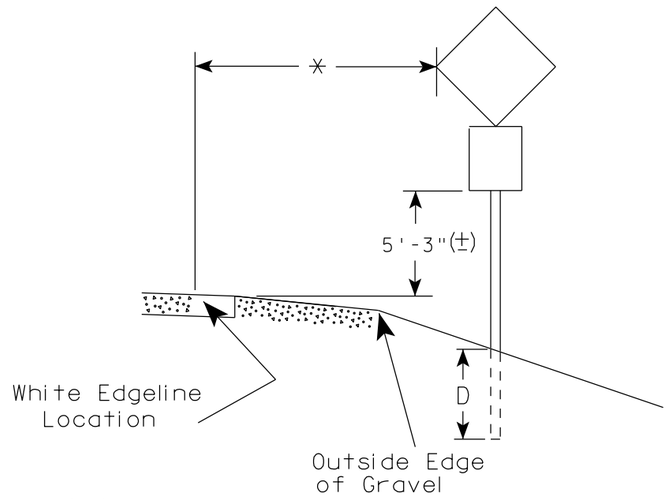
URBAN AREA



RURAL AREA (See Note 2)







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" (±).

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

** 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.

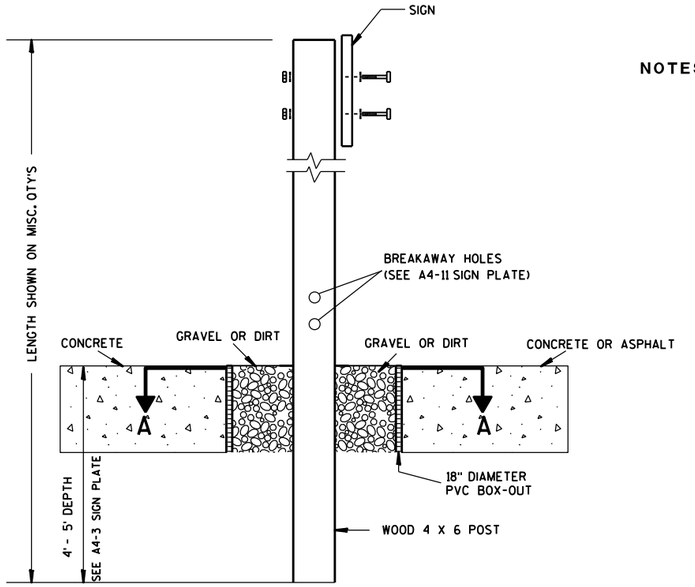
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

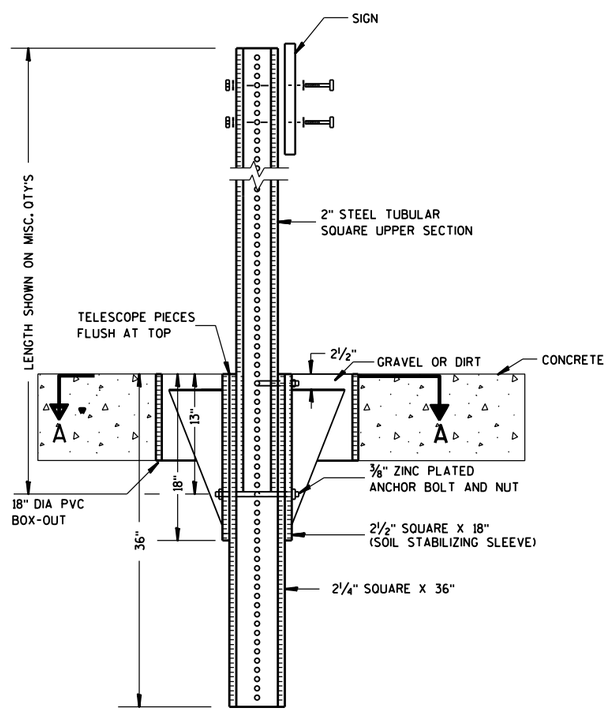
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

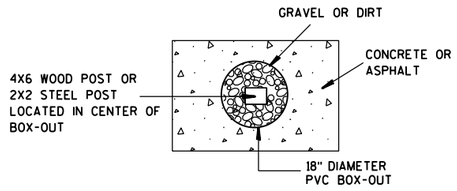
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

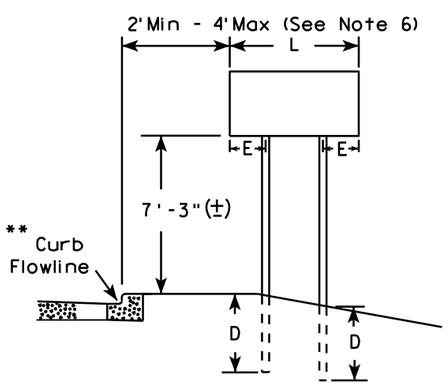
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

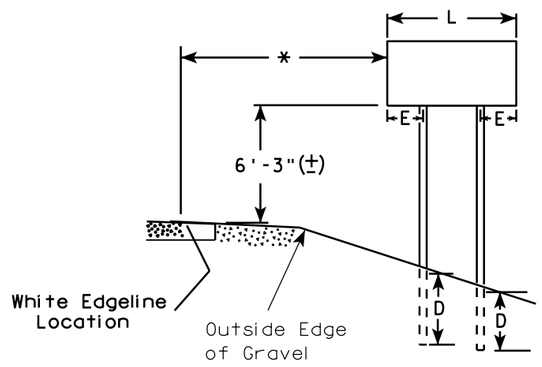
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

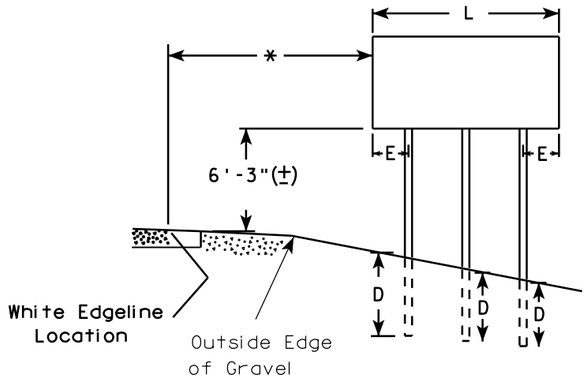
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

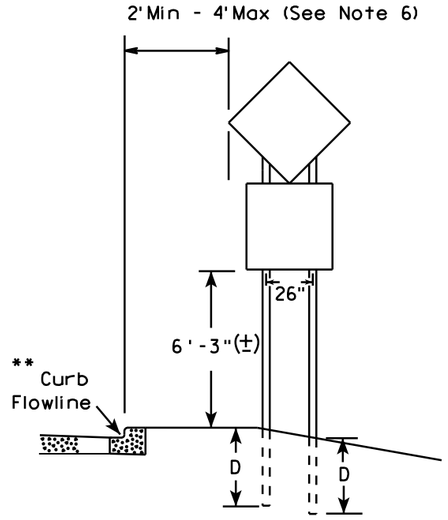
URBAN AREA



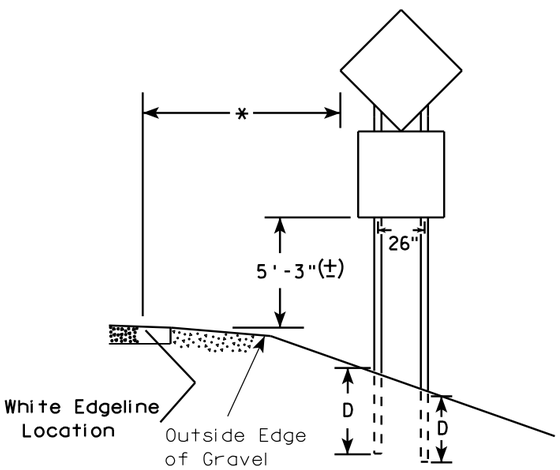
RURAL AREA (See Note 3)







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

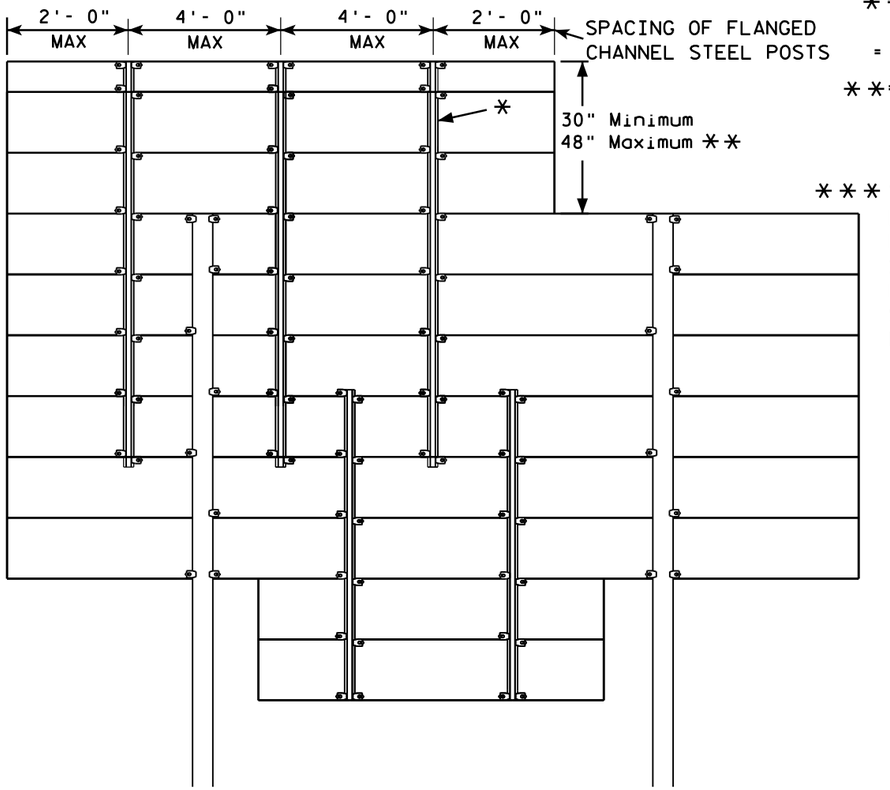
DATE 7/23/15 PLATE NO. A4-4 213 14

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN PLOT DATE : 23-JUL-2015 15:23 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 107.021305:1.000000

WISDOT/CADDS SHEET 42

GROUND MOUNTED SIGN

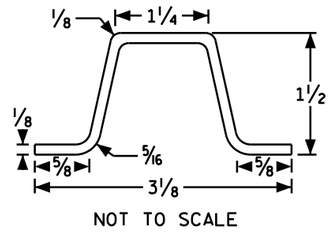


* =2.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

** =FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

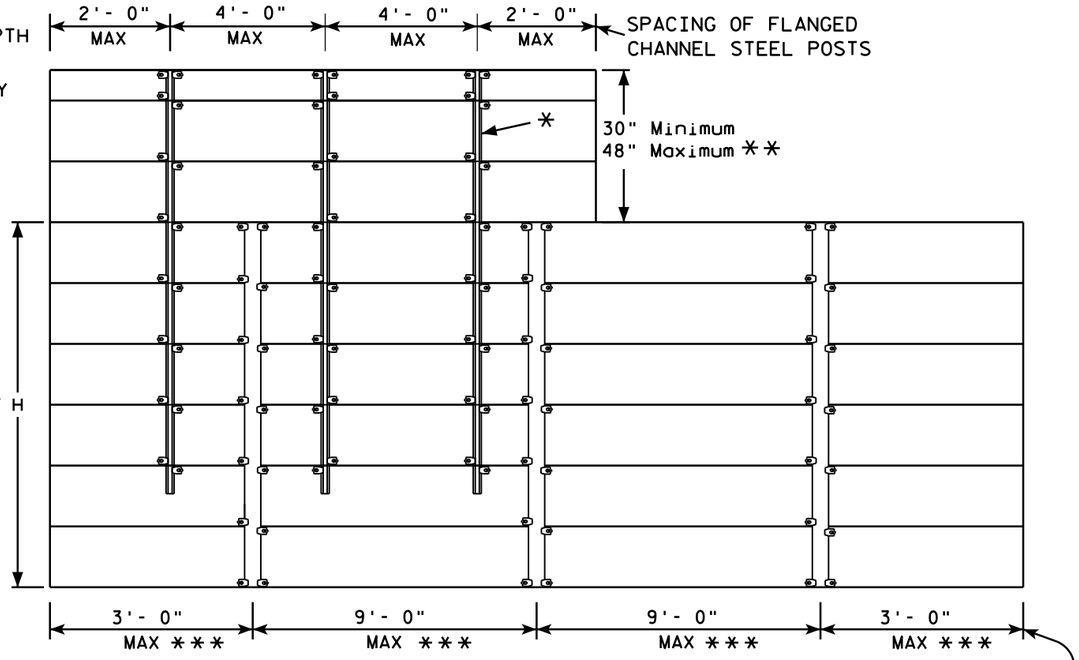
*** THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 16 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 16 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAIL



NOT TO SCALE

SIGN BRIDGE MOUNTED SIGN



GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)
6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

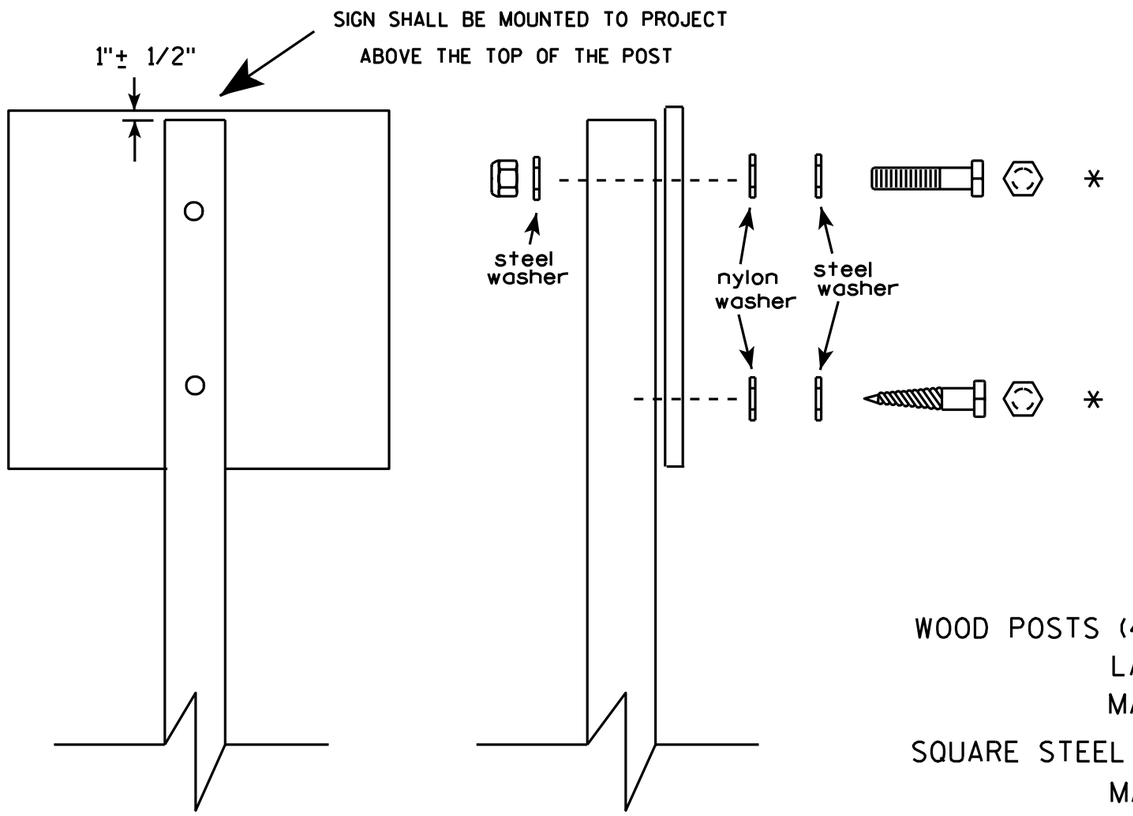
ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/05/13 PLAT 214 A4-6.12

PROJECT NO: | SHEET NO: E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

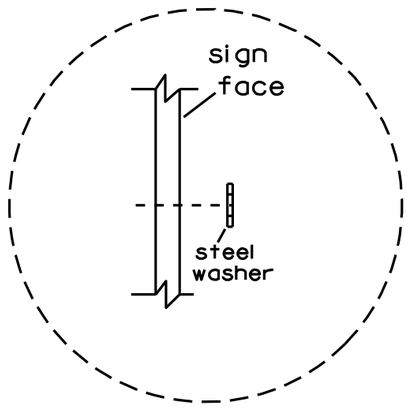
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* 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 3/23/10 PLATE NO. A4-8.7

7

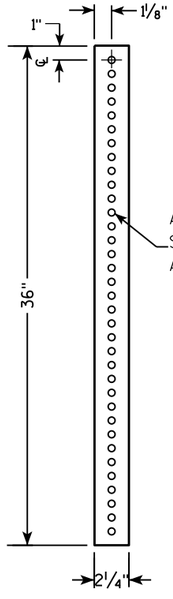
7

PROJECT NO:

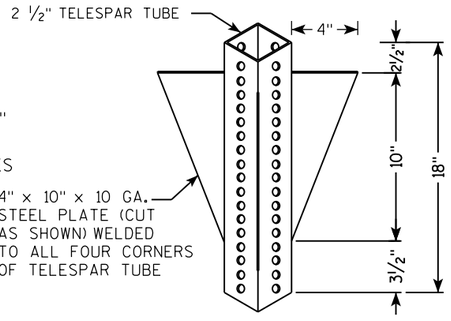
SHEET NO: 215 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

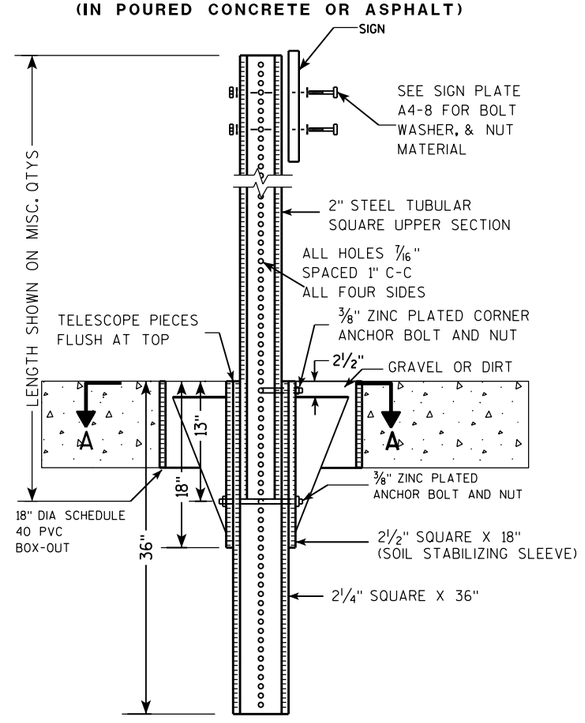
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



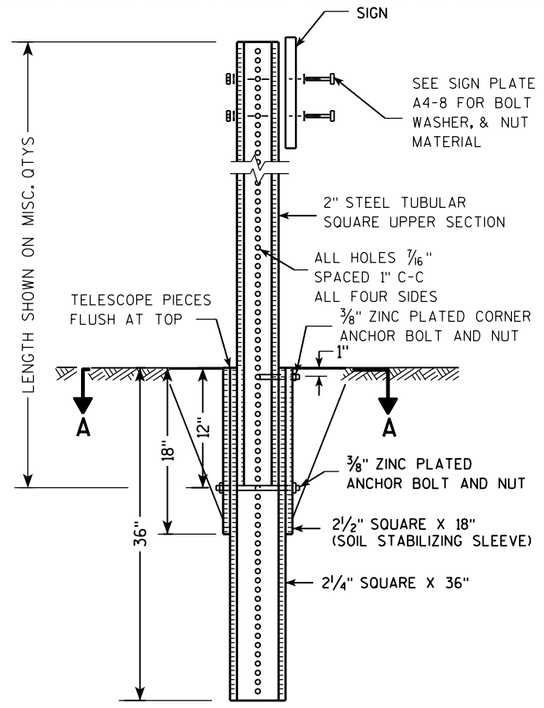
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

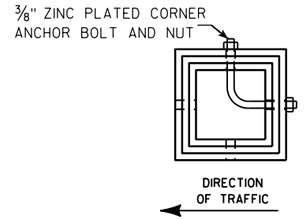


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

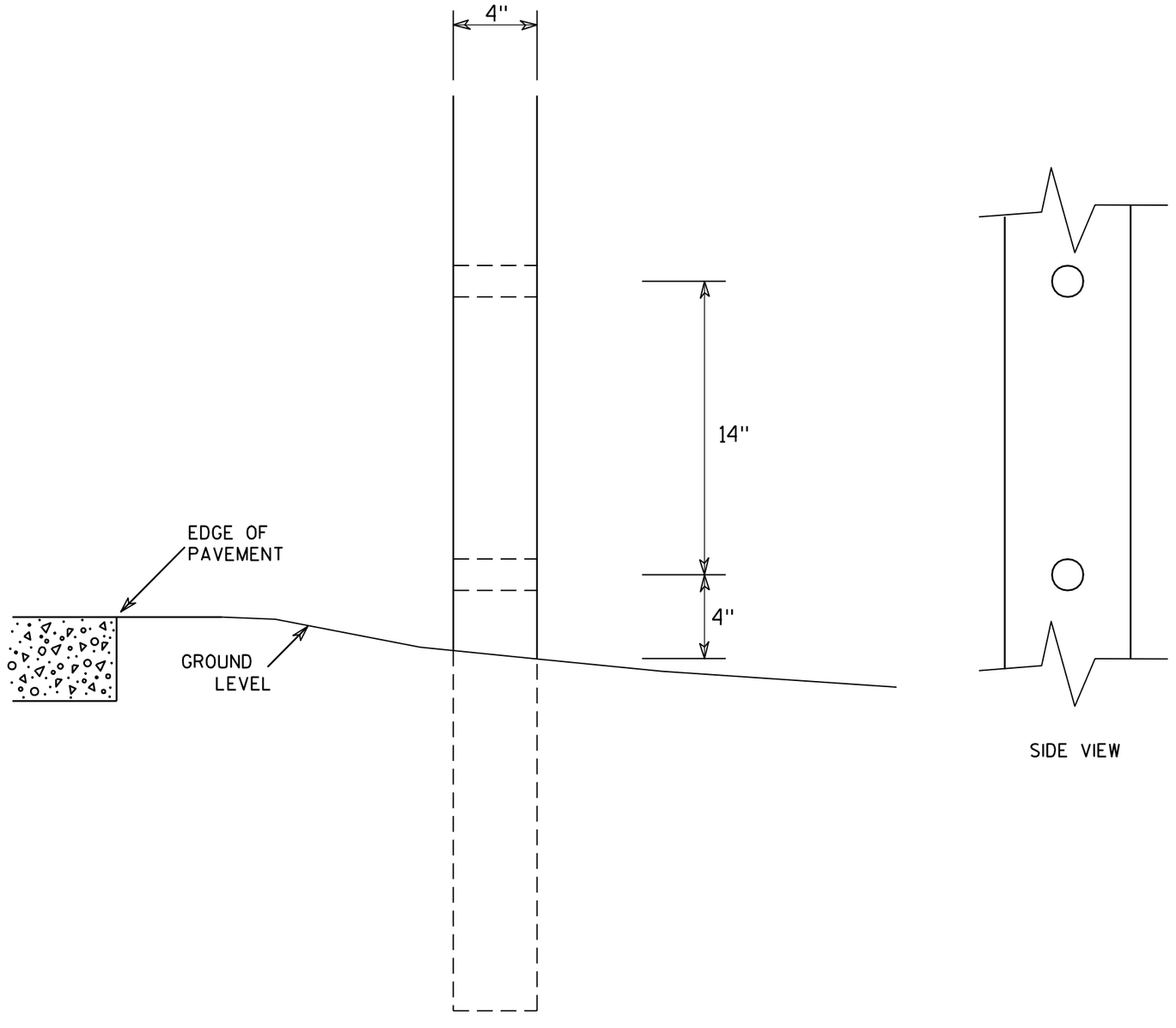
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 216 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

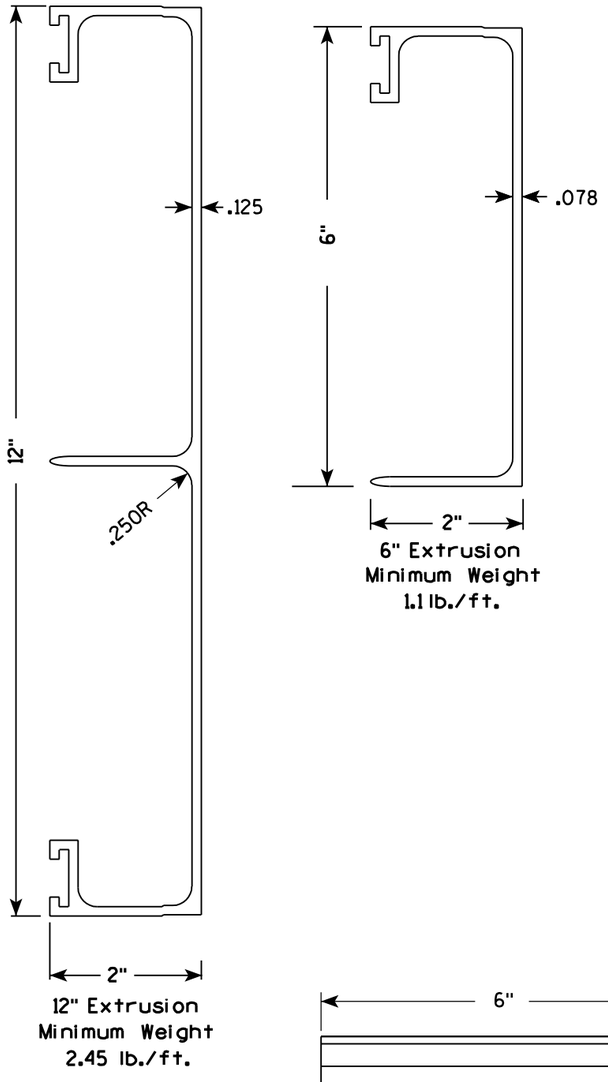
WISCONSIN DEPT OF TRANSPORTATION

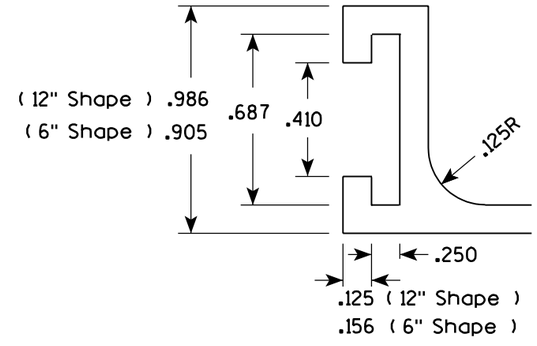
APPROVED Chester J Spang for State Traffic Engineer

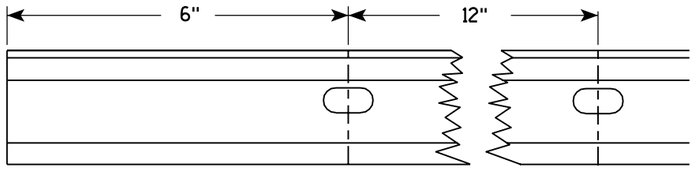
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 217	E

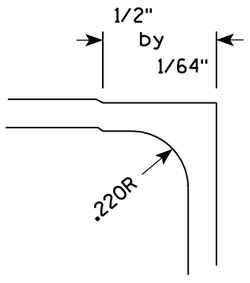
Extruded Shape







Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

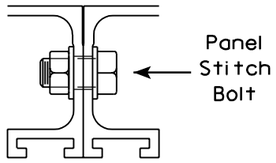


Hardware

STITCH BOLT, WASHER & NUT

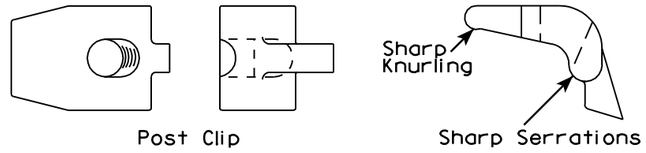
The hardware includes:

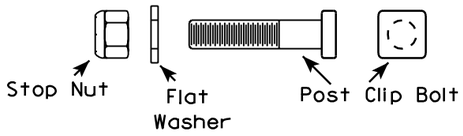
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

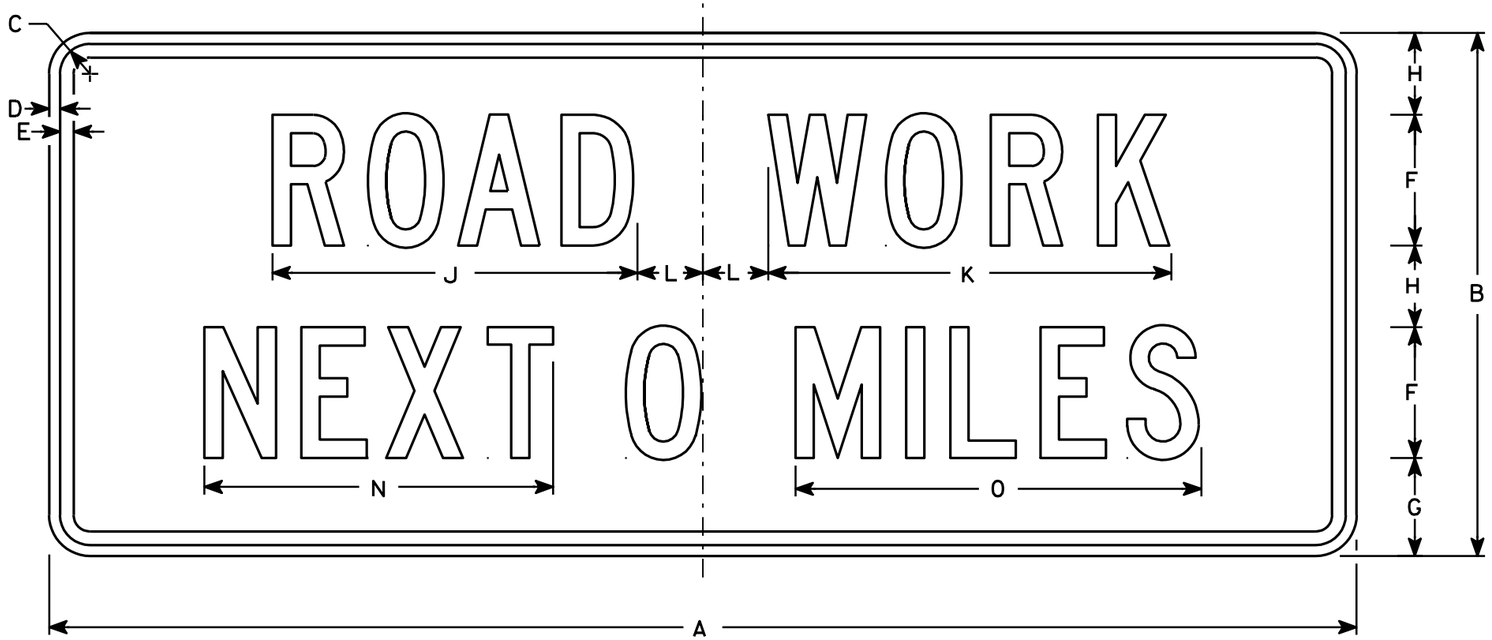
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang
for State Traffic Engineer

DATE 11/18/99 PLATE NO. A5-2.9

PROJECT NO:

SHEET NO: 218 E



G20-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

Metric equivalent for this sign is:

SIZE	
1	
2	1500 mm X 600 mm
3	
4	1500 mm X 600 mm
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10	.90
3																												
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10	.90
5																												

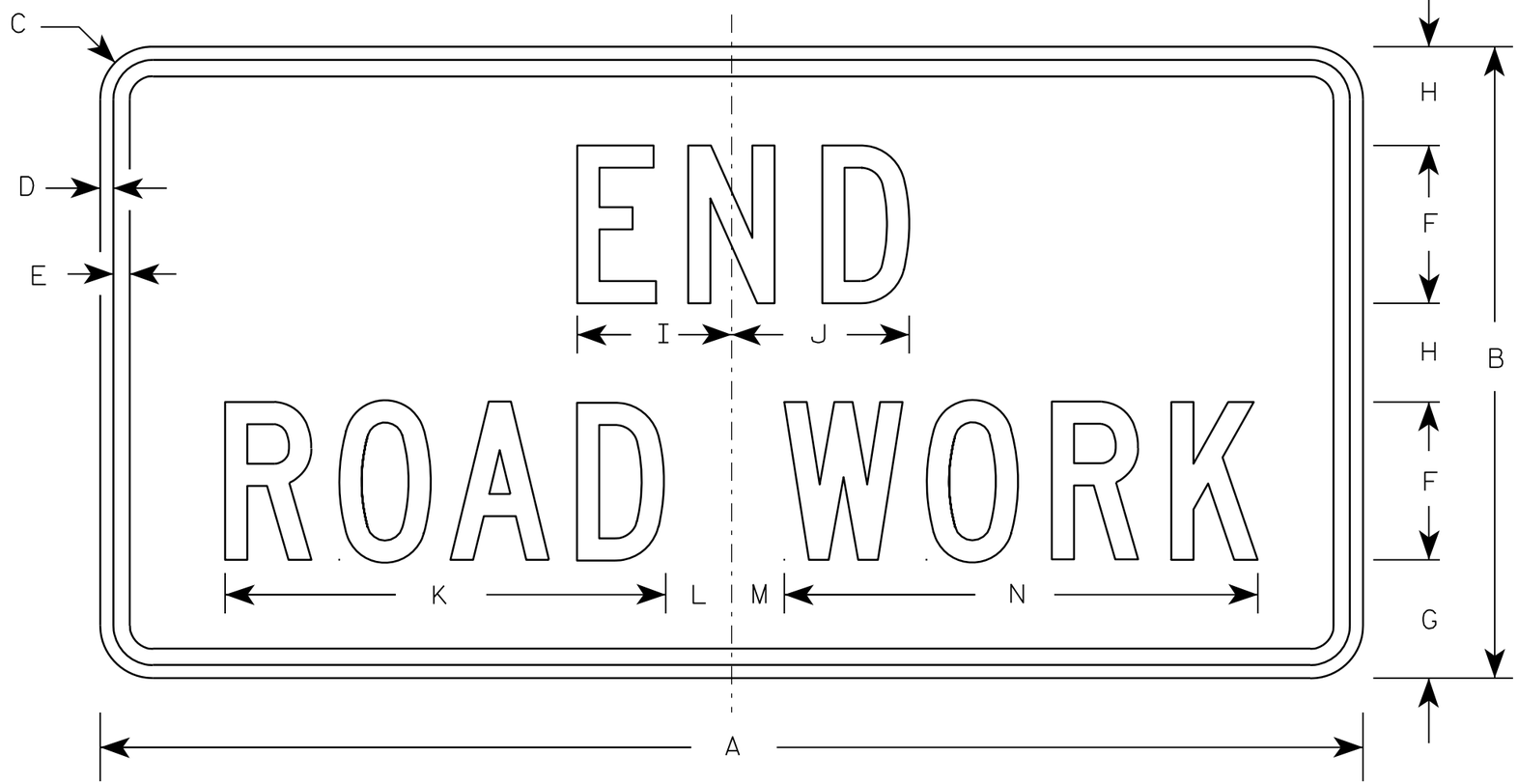
STANDARD SIGN
G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spray for State Traffic Engineer

DATE 4/8/97 PLATE NO. G20-1.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 219	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

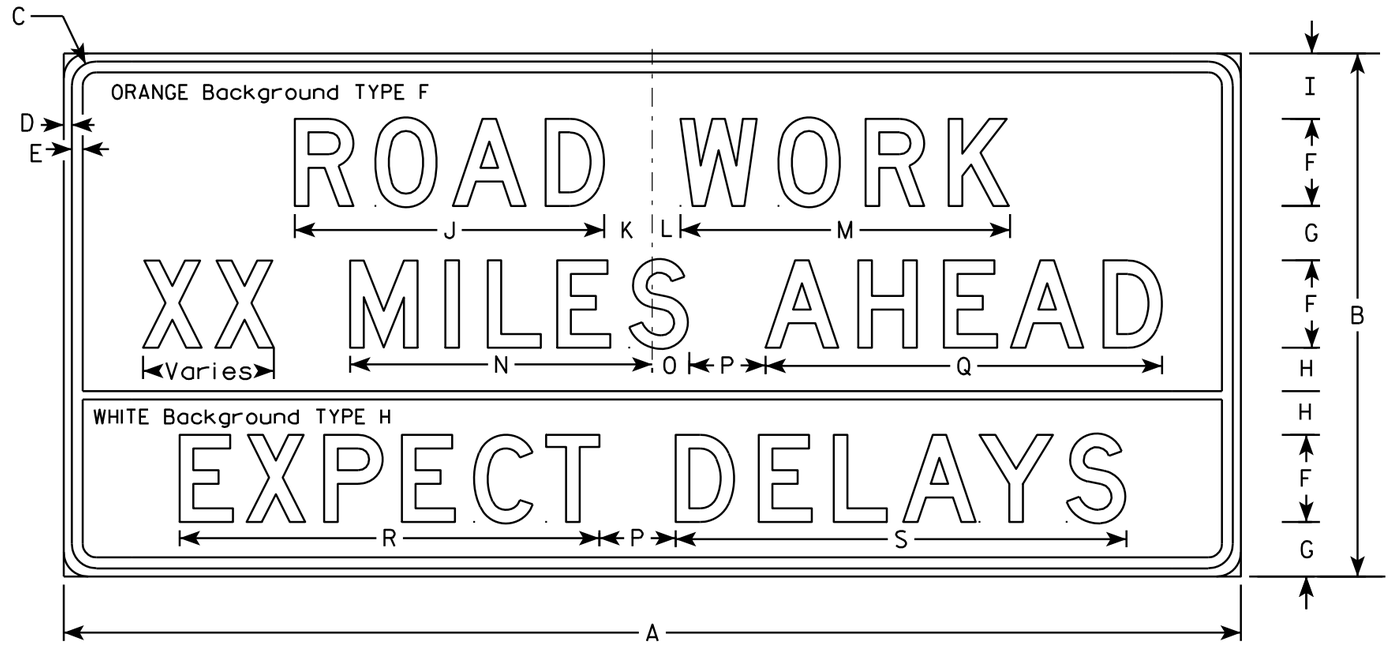
STANDARD SIGN
G20-2A

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: 220	E



G20-58

NOTES

1. Sign is Type II - Type F & Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - AS NOTED
   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.

Metric equivalent for this sign is:

SIZE	
1	
2	2700 mm X 1200 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2																												
3																												
4	108	48	2 1/4	3/4	1	8	5	4	6	28 3/8	4 1/2	2 1/2	30 1/4	27 3/4	3 3/8	7	36 3/8	38 1/2	41 3/8								36.0	3.24
5																												

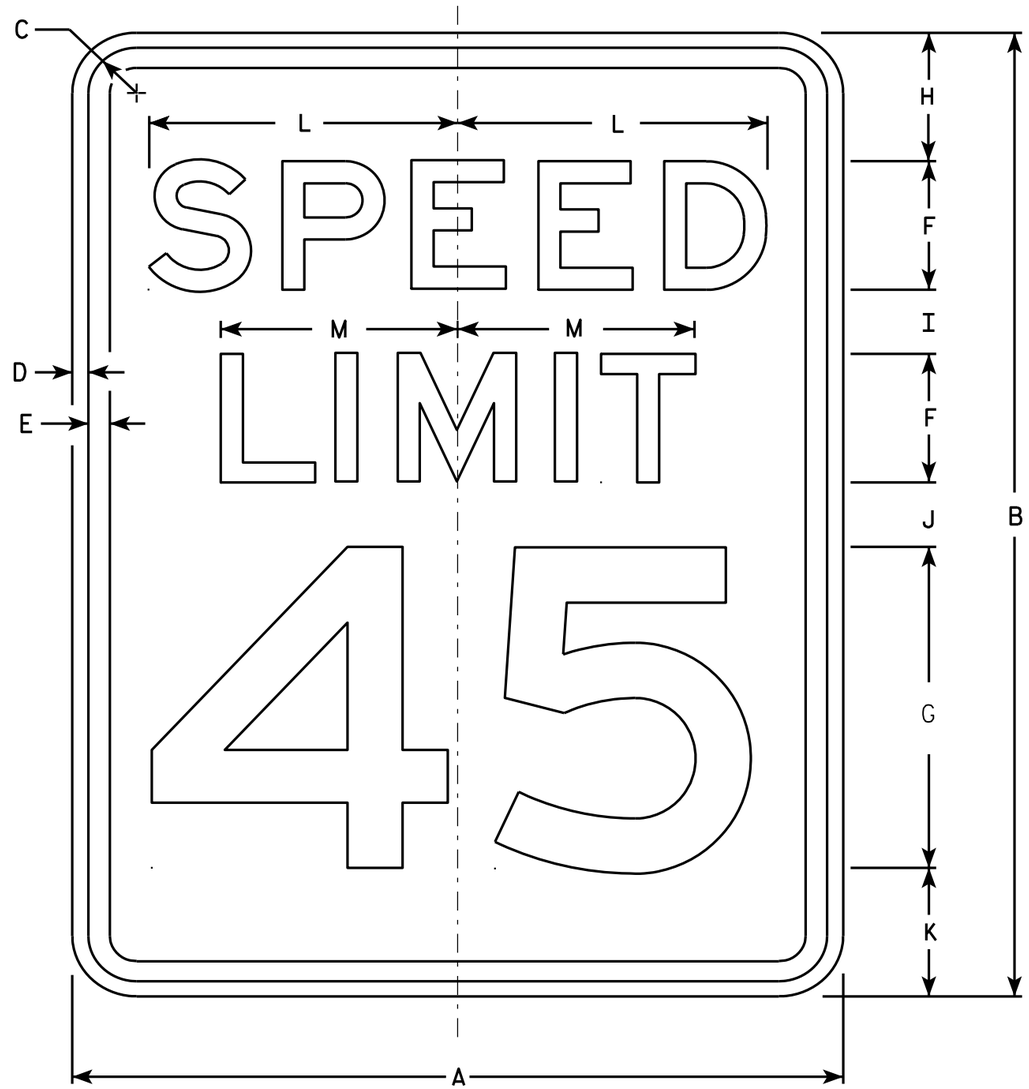
STANDARD SIGN
G20-58

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/13/2009 PLATE NO. G20-58.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 221 | E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

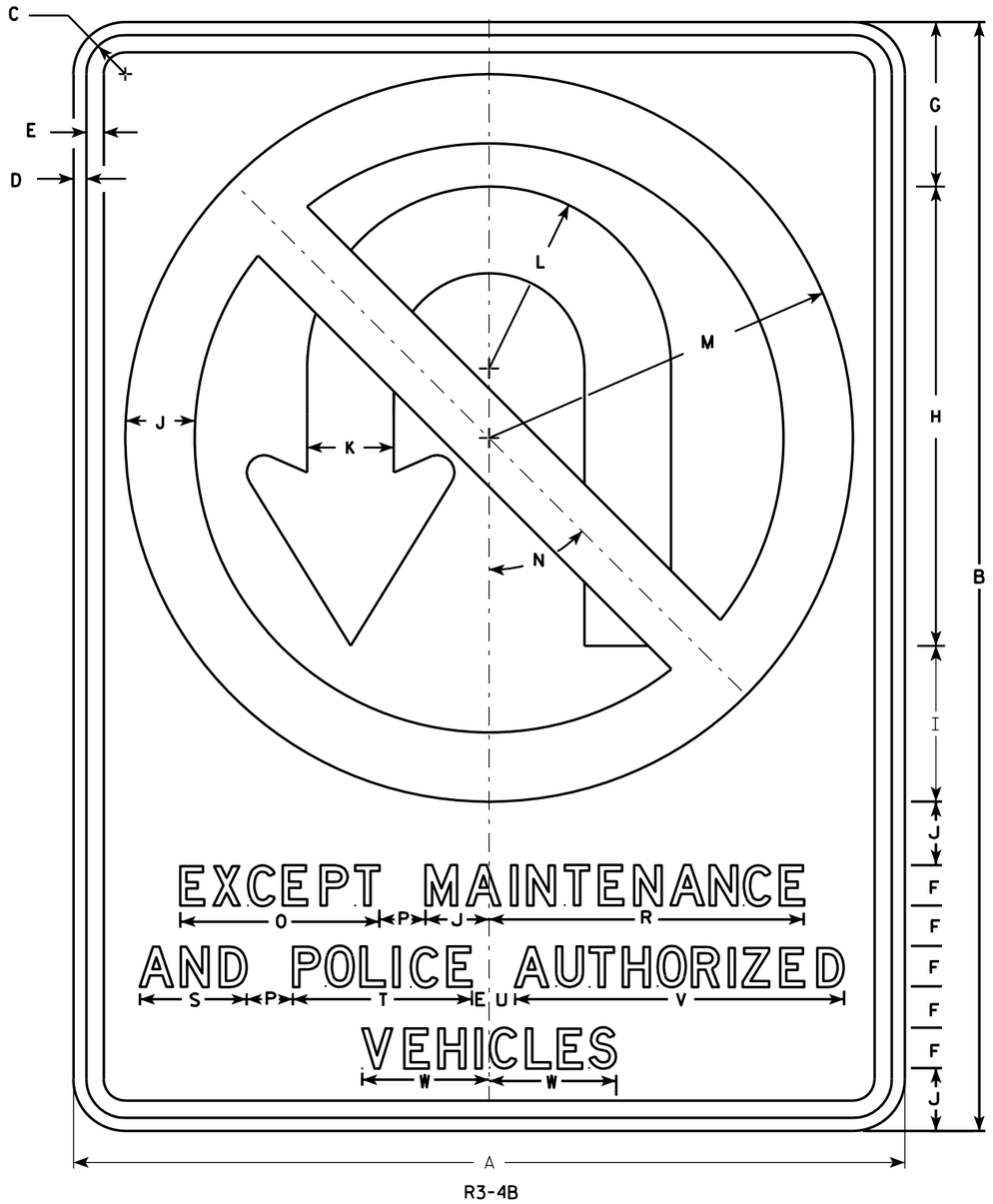
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 222 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000

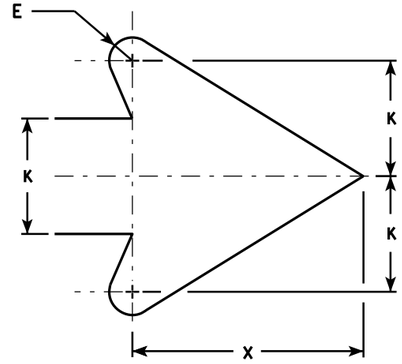
WISDOT/CADDS SHEET 42



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

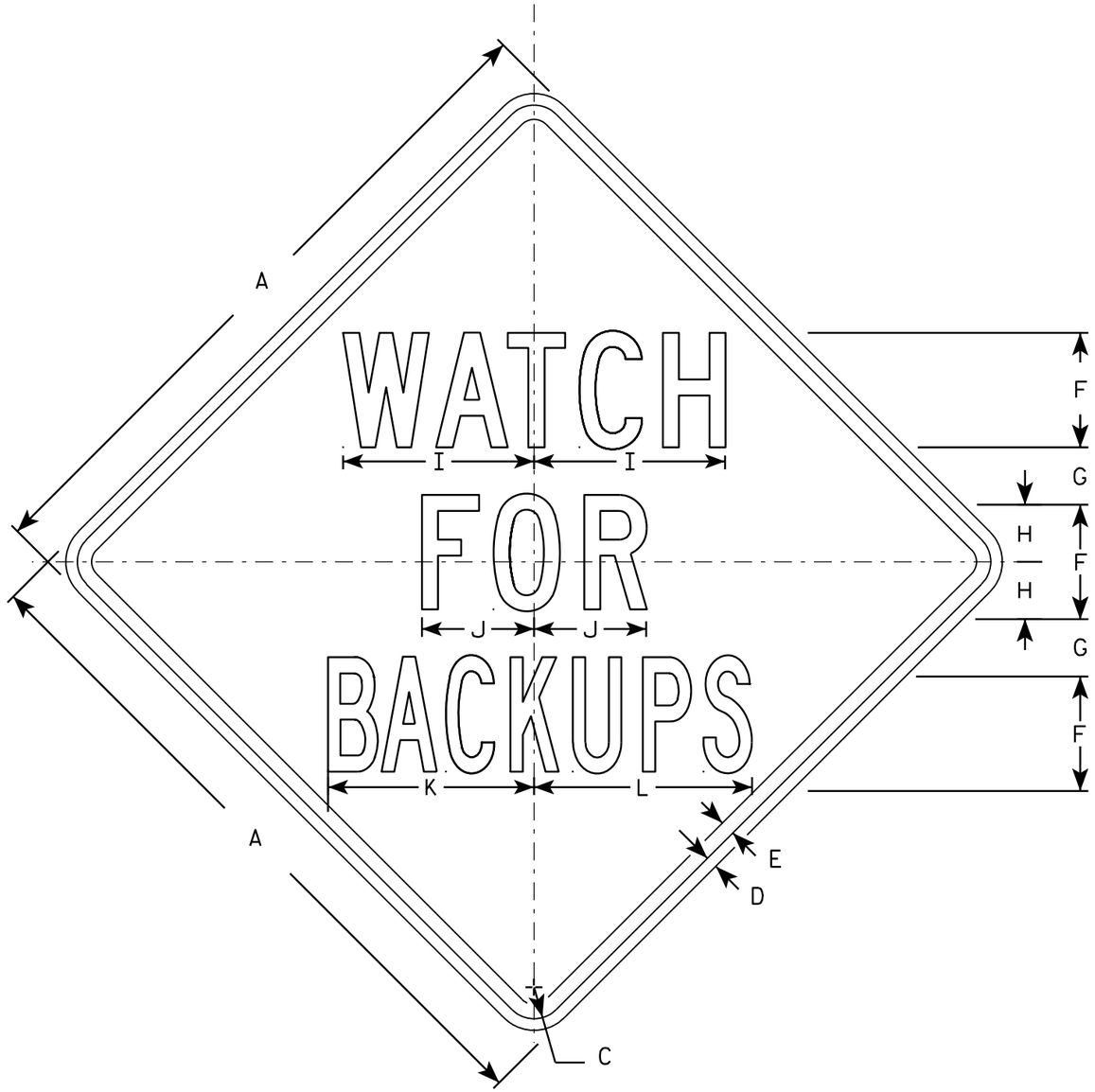
STANDARD SIGN
R3-4B

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: 223	E



W8-74

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 except Line 3 is 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																											
2S	36		1 5/8	5/8	3/4	6	2 1/2	3	10	5 7/8	10 3/4	11 3/8															9.0
2M	36		1 5/8	5/8	3/4	6	2 1/2	3	10	5 7/8	10 3/4	11 3/8															9.0
3	48		2 1/4	3/4	1	8	4	4	13 5/8	7 7/8	14 3/8	15 1/4															16.0
4	48		2 1/4	3/4	1	8	4	4	13 5/8	7 7/8	14 3/8	15 1/4															16.0
5	48		2 1/4	3/4	1	8	4	4	13 5/8	7 7/8	14 3/8	15 1/4															16.0

STANDARD SIGN
W8-74

WISCONSIN DEPT OF TRANSPORTATION

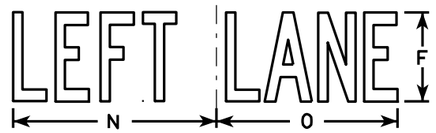
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/23/11 PLATE NO. W8-74.2

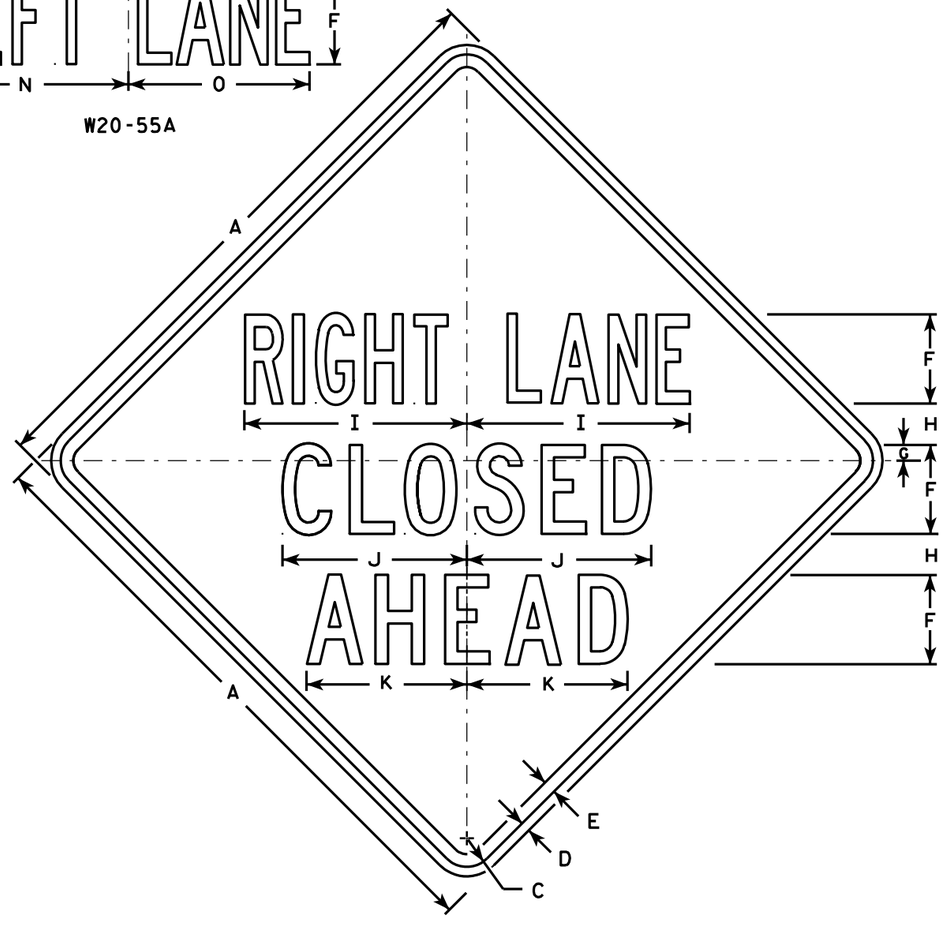
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 224 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W874.DGN PLOT DATE : 23-MAR-2011 10:22 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 7.510884:1.000000
WISDOT/CADDS SHEET 42

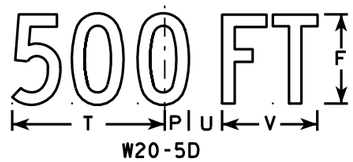
W20-56A



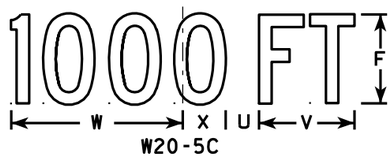
W20-55A



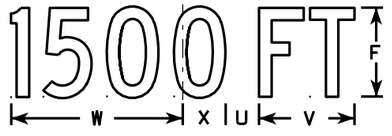
W20-5A



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

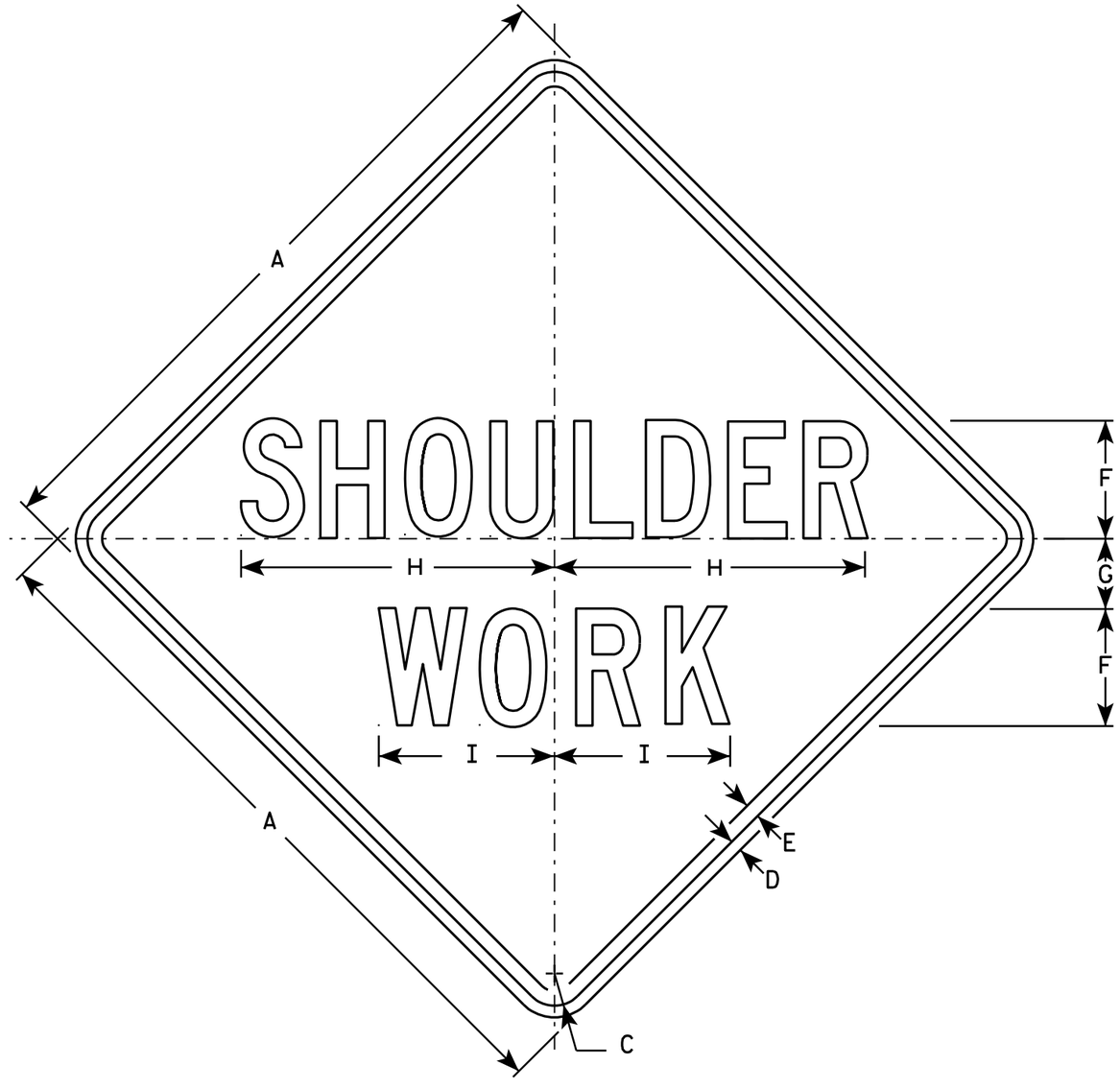
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 225 | E

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

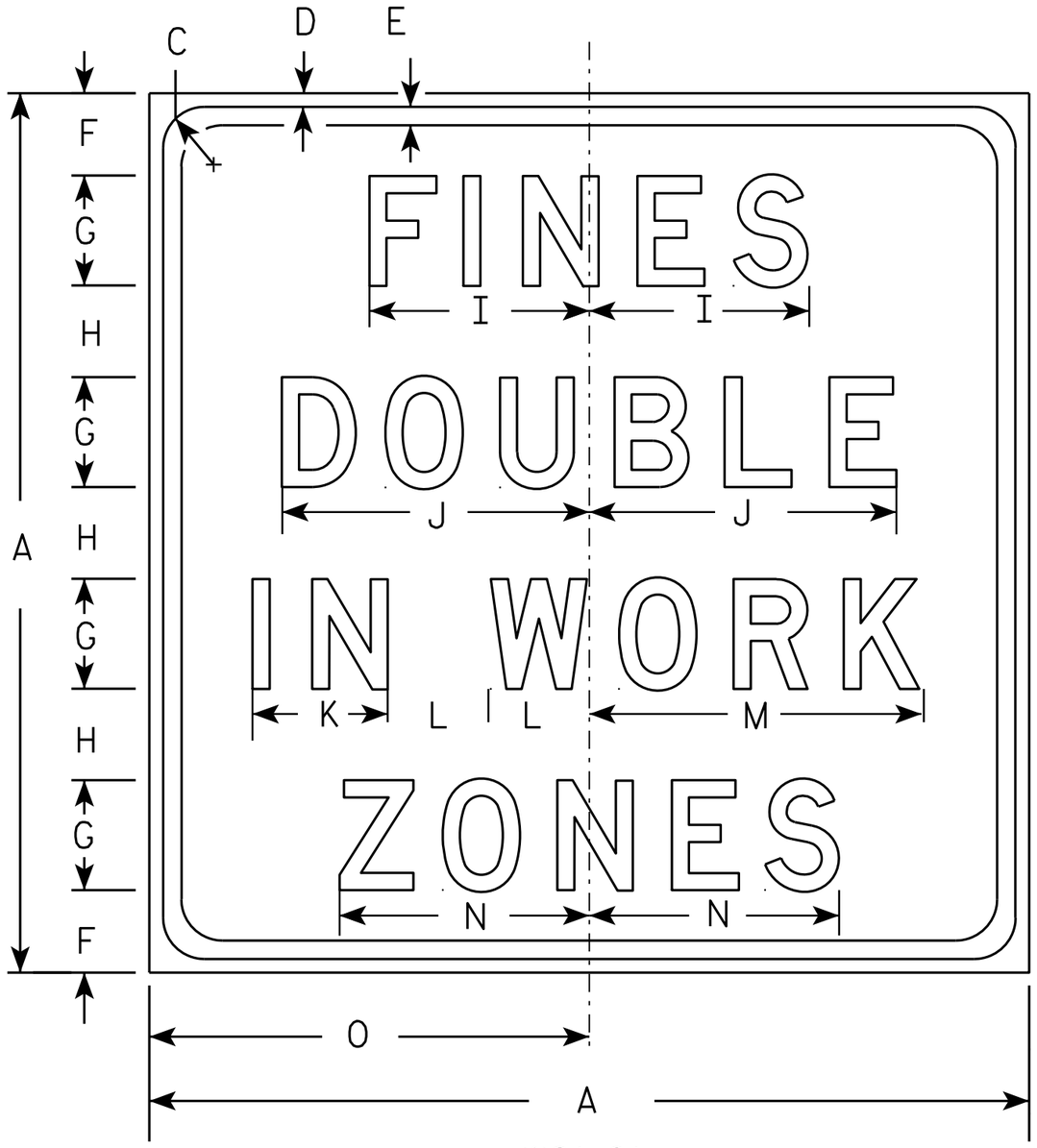
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 226 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W215.DGN PLOT DATE : 21-MAR-2011 08:01 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.207338:1.000000
WISDOT/CADDS SHEET 42



W21-61

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	2 1/4	3	2 1/2	6	8 3/8	3 3/4	2 3/4	9 1/8	6 7/8	12												4.0
2S	36		1 5/8	5/8	3/4	3 3/8	4 1/2	3 3/4	9	12 5/8	5 1/2	4 1/8	13 3/4	10 1/4	18												9.0
2M	36		1 5/8	5/8	3/4	3 3/8	4 1/2	3 3/4	9	12 5/8	5 1/2	4 1/8	13 3/4	10 1/4	18												9.0
3	48		2 1/4	3/4	1	4 1/2	6	5	12	16 3/4	7 3/8	5 1/2	18 1/4	13 5/8	24												16.0
4																											
5																											

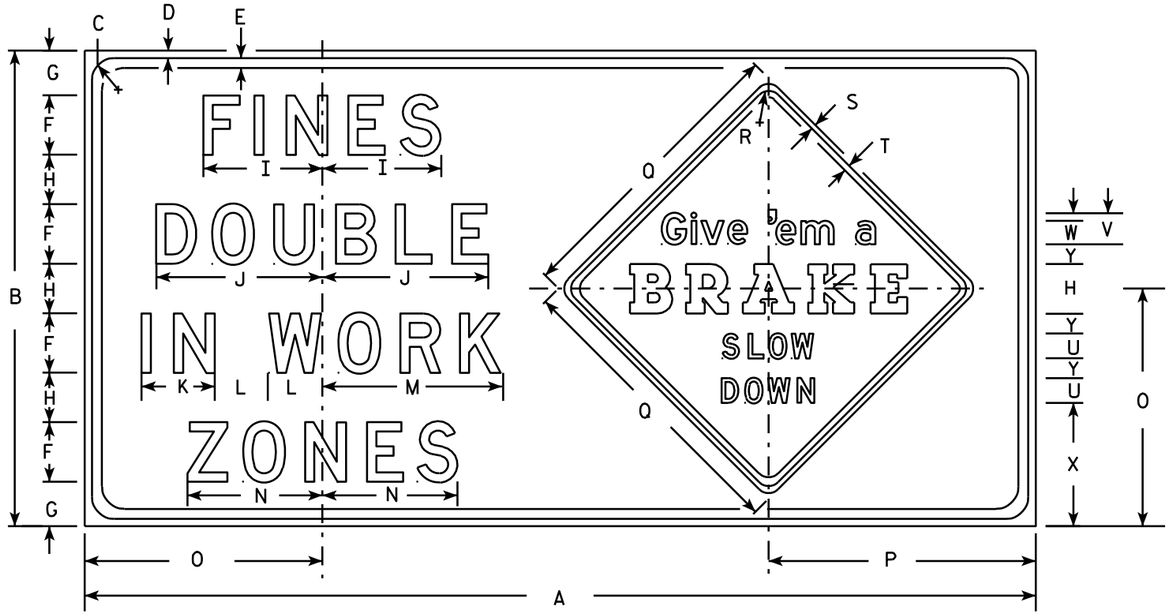
STANDARD SIGN
W21-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-61.4

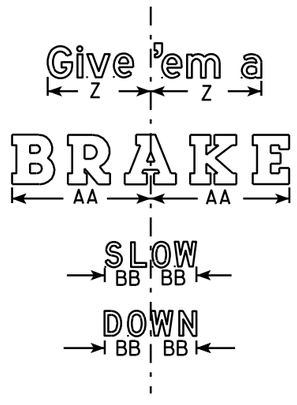
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 227	E

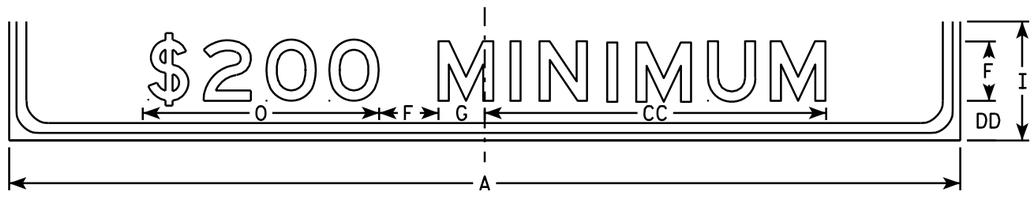


W21-62

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White - (See Note 5)
   Message - Black
3. Message Series -
   Fines Double Message - All lines are Series D
   Give 'em a Brake -
   Line one is Series E, line two is a Special Graphic Series and lines three and four are Series D.
4. The base material shall be plywood. Corners may be square or rounded, but borders shall be rounded as shown. The base material for Give 'em a Brake sign can be a seperate sheet of aluminum with the corners and borders rounded as shown. This seperate panel shall then be attached to the plywood with aluminum or stainless steel sheet metal screws.
5. Background for the Give 'em a Brake sign shall be Type F reflective orange.





W21-62P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	Area sq. ft.
1																															
2S																															
2M																															
3	96	48	2 1/4	3/4	1	6	4 1/2	5	12	16 3/4	7 3/8	5 1/2	18 1/4	13 5/8	24	27	30	1 3/8	1/2	5/8	2 1/2	3 1/8	2 3/8	12 1/2	2	10 3/4	14	4 5/8	34 1/2	4	32.0
4																															
5																															

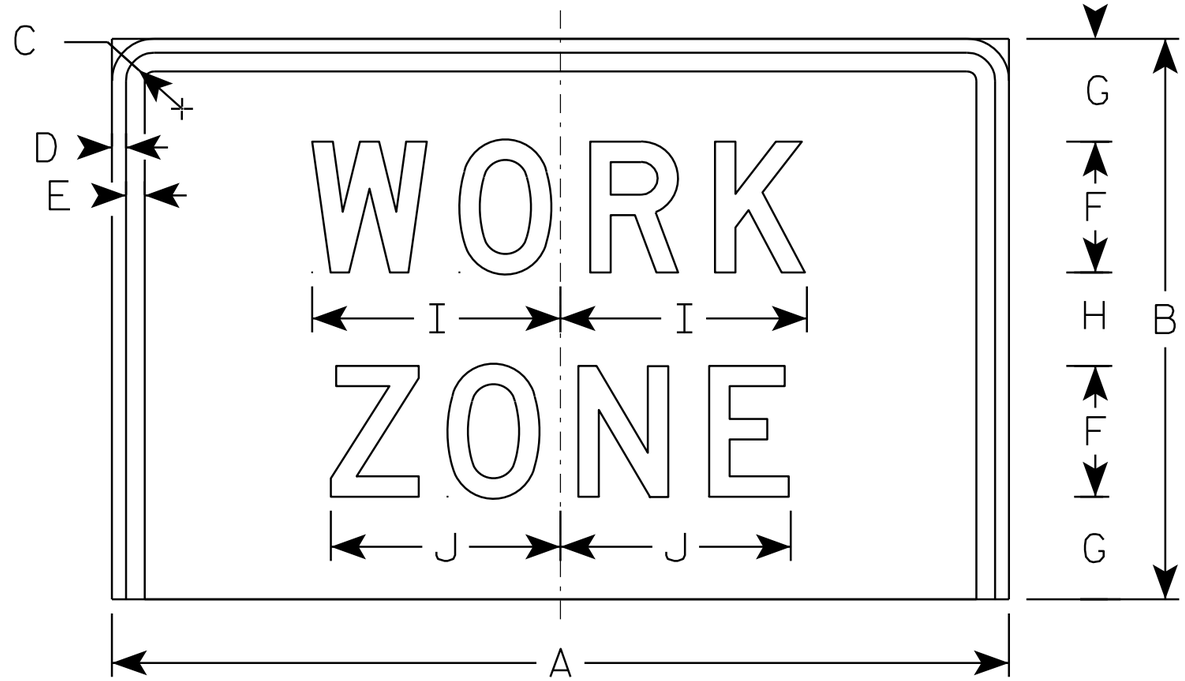
STANDARD SIGN
W21-62

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-62.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 228 | E



W21-620

NOTES

1. Sign is Type II - Type F - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D

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	2 1/4	3/4	1	7	5 1/2	5	13 1/4	12 1/4																	10.0
2M	48	30	2 1/4	3/4	1	7	5 1/2	5	13 1/4	12 1/4																	10.0
3																											
4																											
5																											

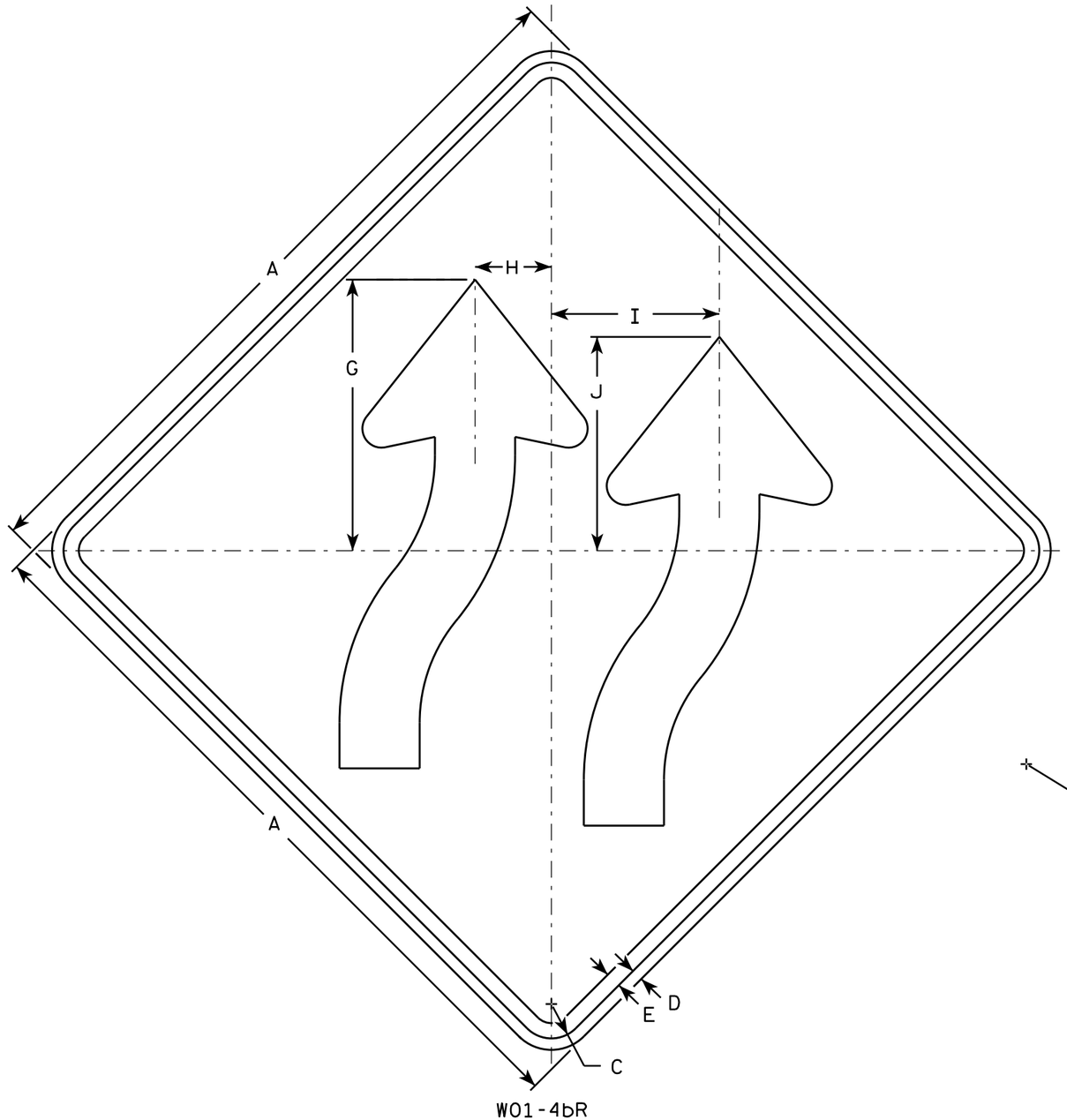
STANDARD SIGN
W21-620

WISCONSIN DEPT OF TRANSPORTATION

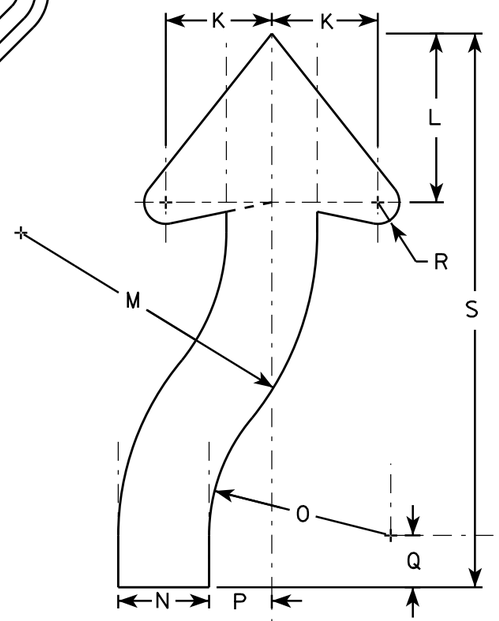
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-620.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 229	E



W01-4bR



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4bL is the same as W014-bR exept arrows are reversed along the vertical centerline

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		13 3/8	3 3/4	8 1/4	10 1/2	4 5/8	7 3/8	12 7/8	3 7/8	7 7/8	2 3/4	2 1/4	7/8	24								9.0
2S	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
2M	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
3	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
4	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
5	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0

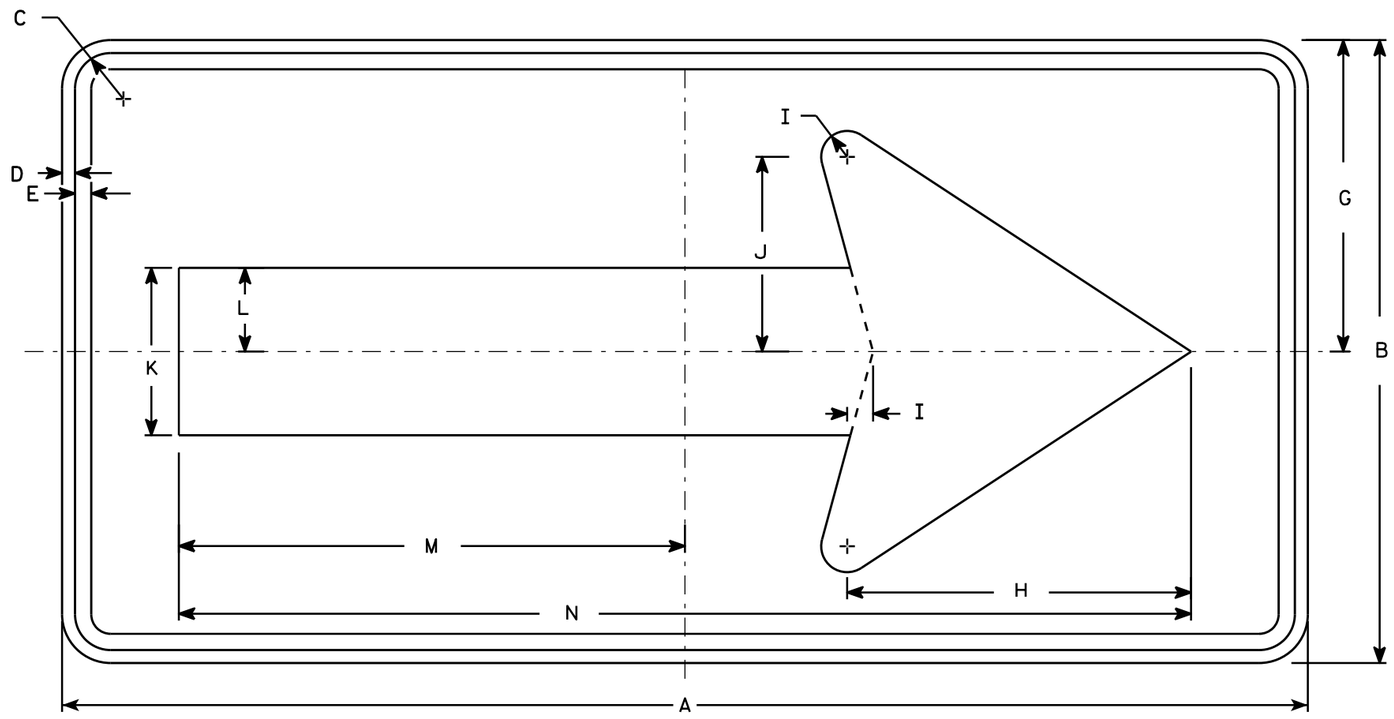
STANDARD SIGN
W01-4b

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-4b.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

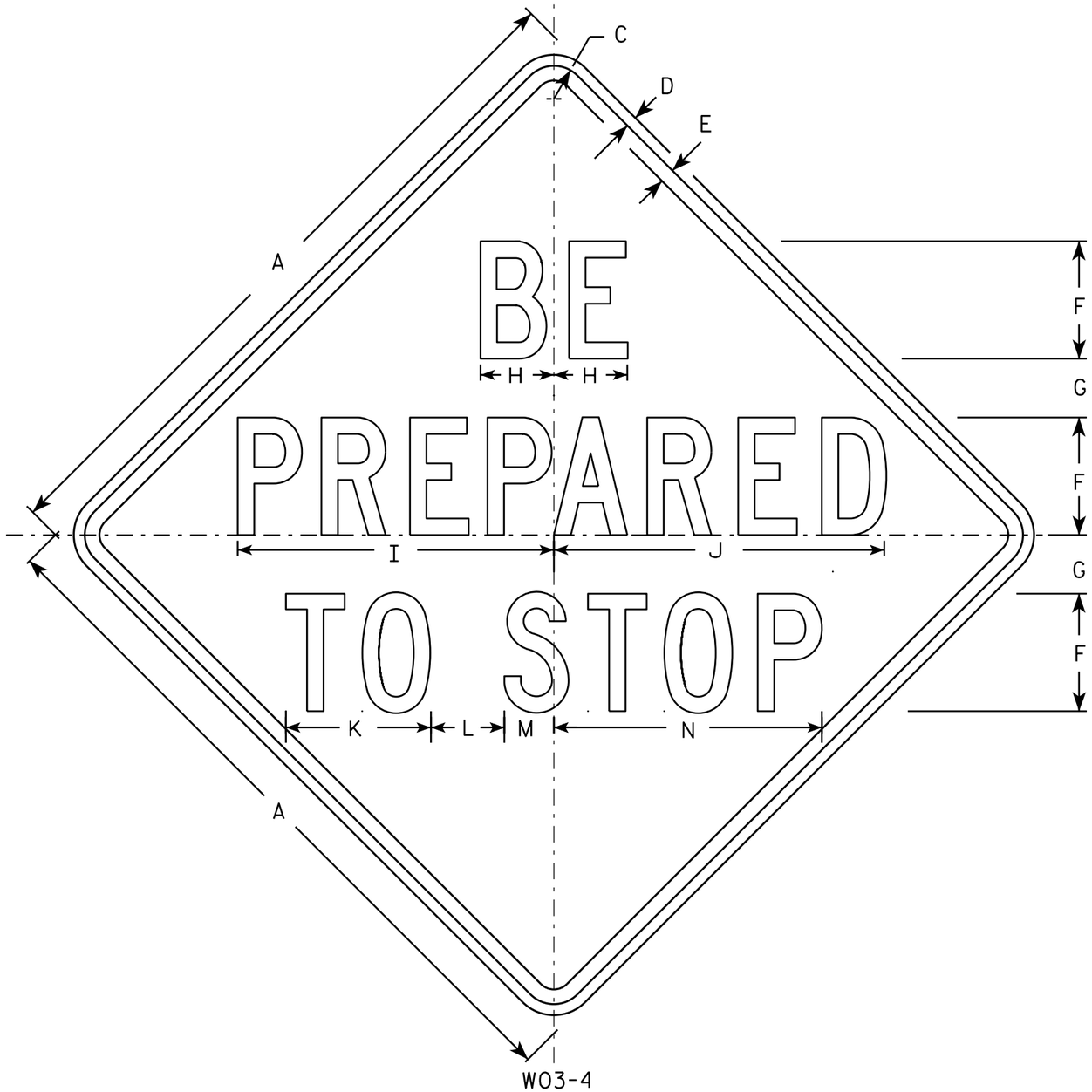
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



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 3/8	1/2	5/8	6	2 1/2	3 3/4	15 7/8	16 7/8	7 3/8	4	2 3/8	13 3/4													9.0
2S	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
2M	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
3	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
4	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
5	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0

STANDARD SIGN
W03-4

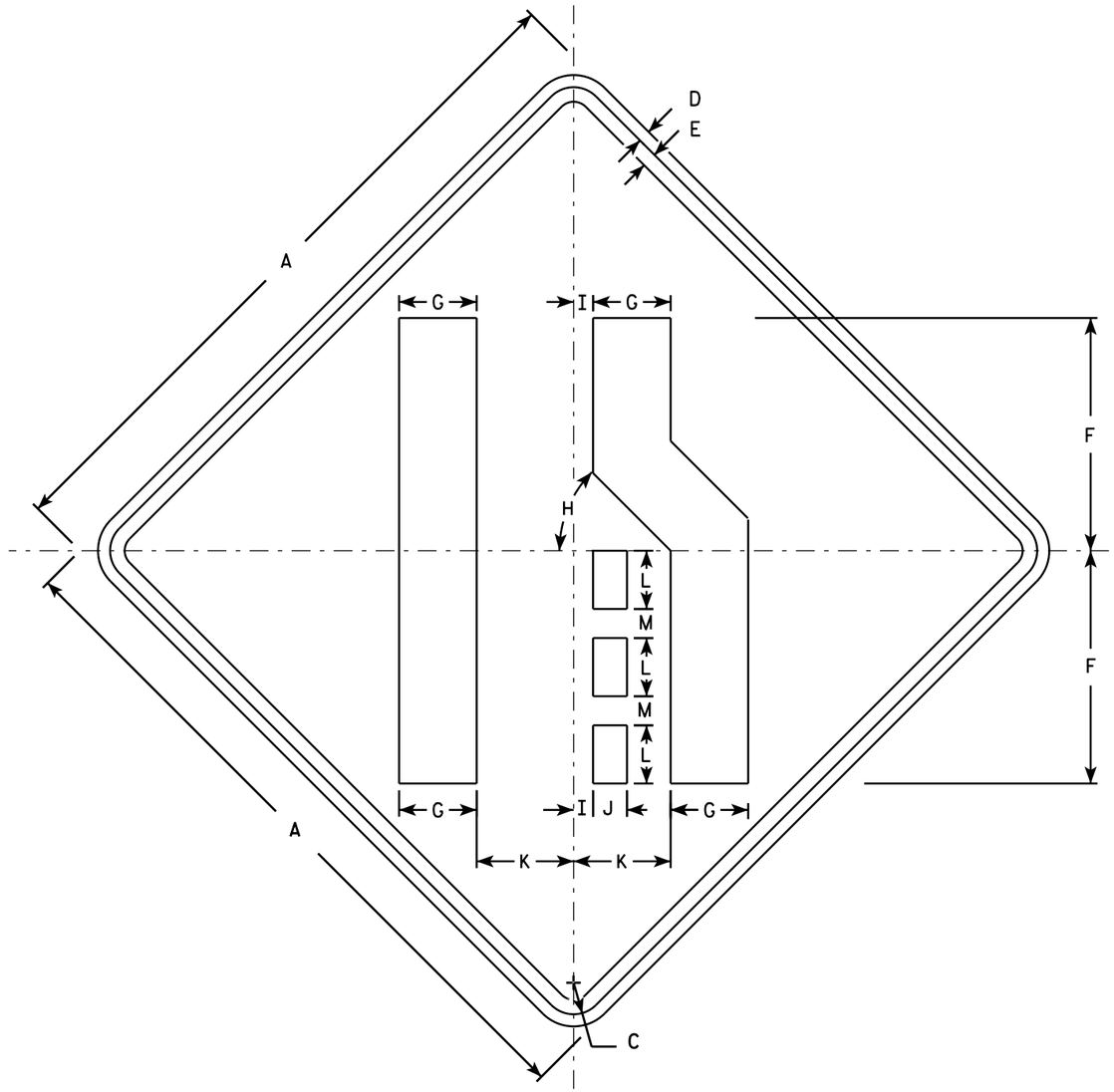
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/02/13 PLATE NO. W03-4.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W034.DGN PLOT DATE : 02-DEC-2013 14:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 8.999518:1.000000
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

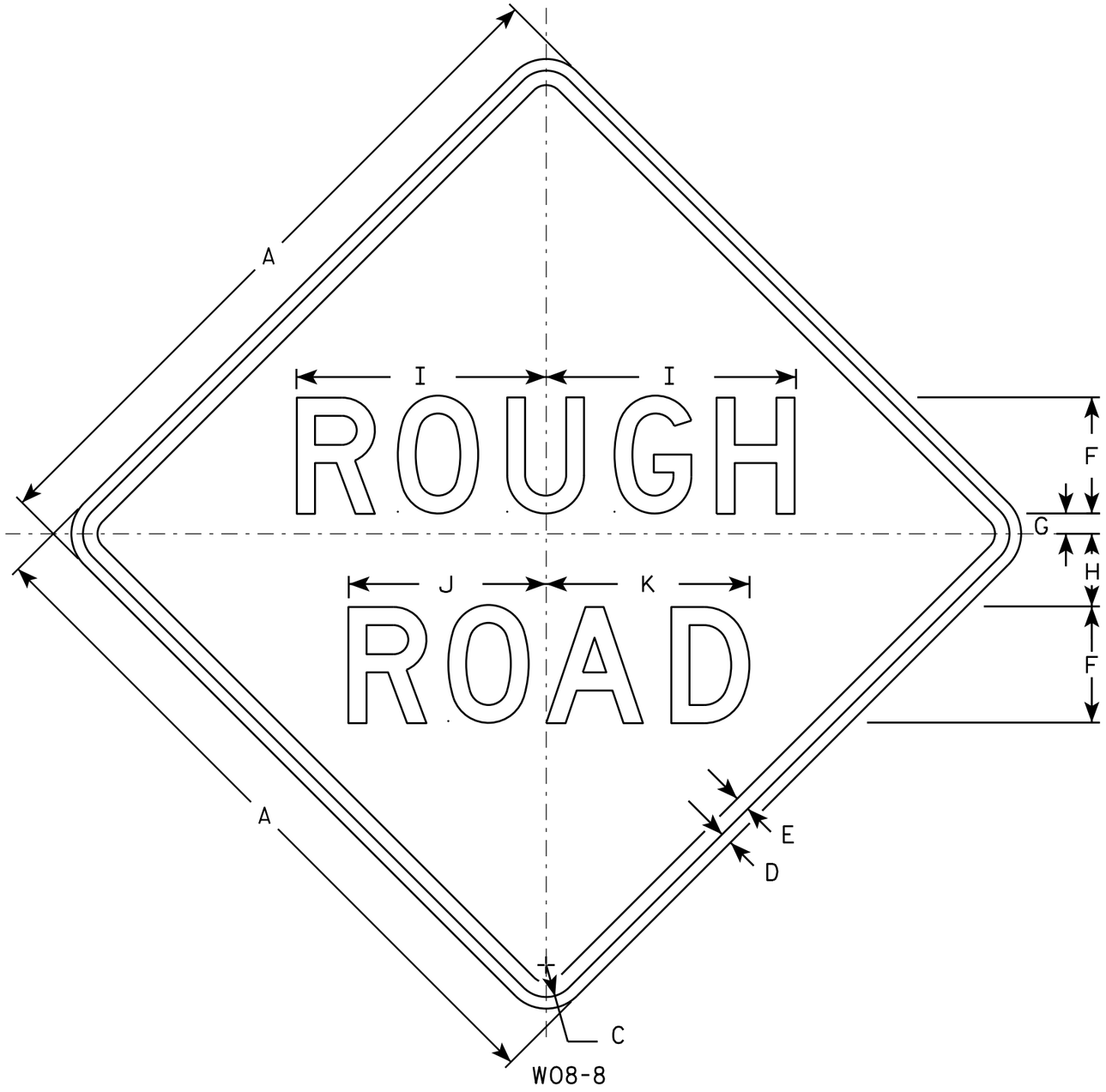
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 233 W04-2.1

PROJECT NO:

SHEET NO: E



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 - 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	36		1 5/8	5/8	3/4	6	1	5	12 7/8	10 1/8	10 1/2																9.0
2S	48		2 1/4	3/4	1	8	1 1/2	6	17 1/8	13 1/2	14																16.0
2M	48		2 1/4	3/4	1	8	1 1/2	6	17 1/8	13 1/2	14																16.0
3	48		2 1/4	3/4	1	8	1 1/2	6	17 1/8	13 1/2	14																16.0
4	48		2 1/4	3/4	1	8	1 1/2	6	17 1/8	13 1/2	14																16.0
5	48		2 1/4	3/4	1	8	1 1/2	6	17 1/8	13 1/2	14																16.0

STANDARD SIGN
W08-8

WISCONSIN DEPT OF TRANSPORTATION

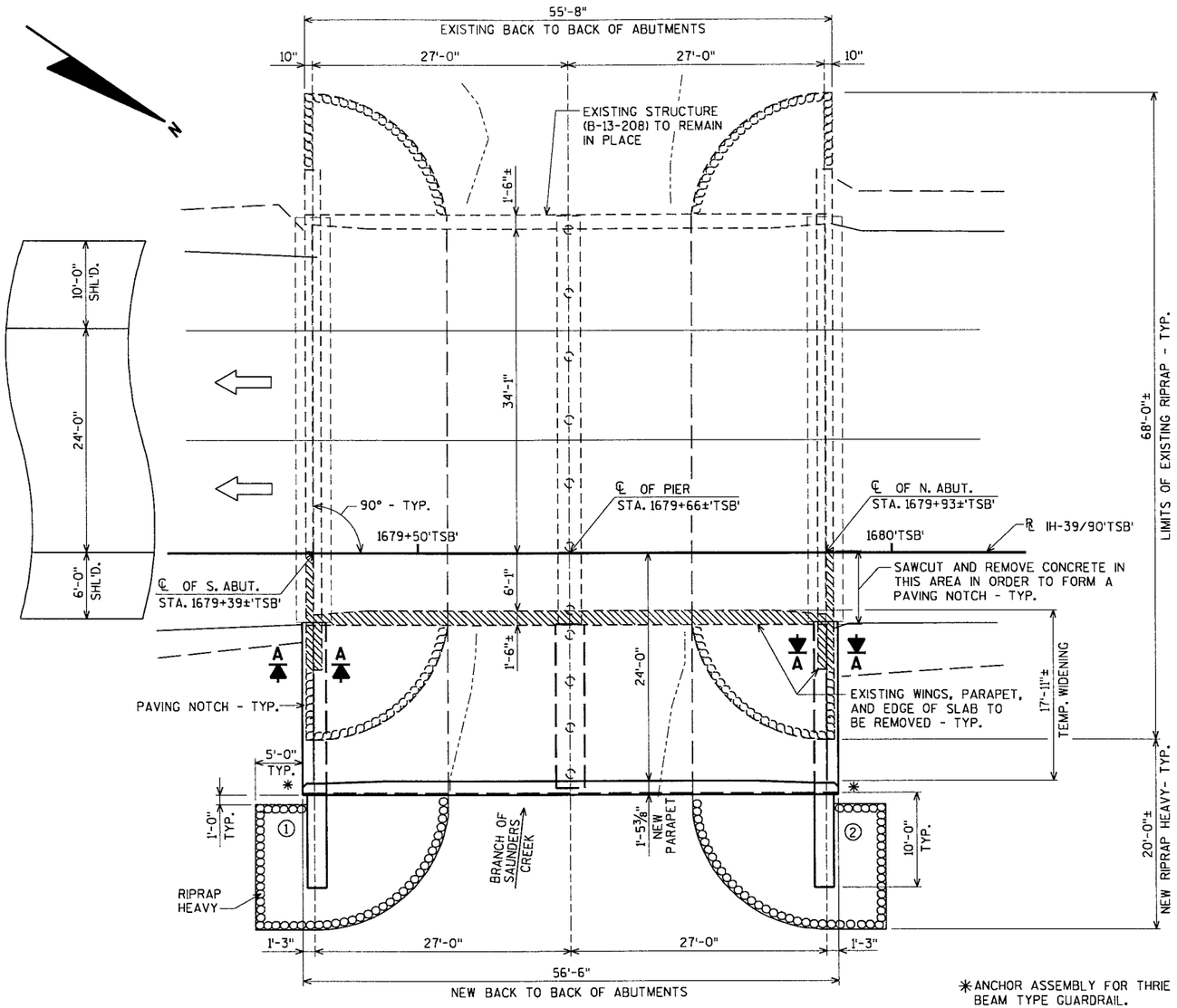
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/14/13 PLATE NO W08-8.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General\Bridge Information_I-39 SB over Br. Saunders Cre

DATE:
DATE:
DATE:
BACK CHECKED BY:
CORRECTED BY:



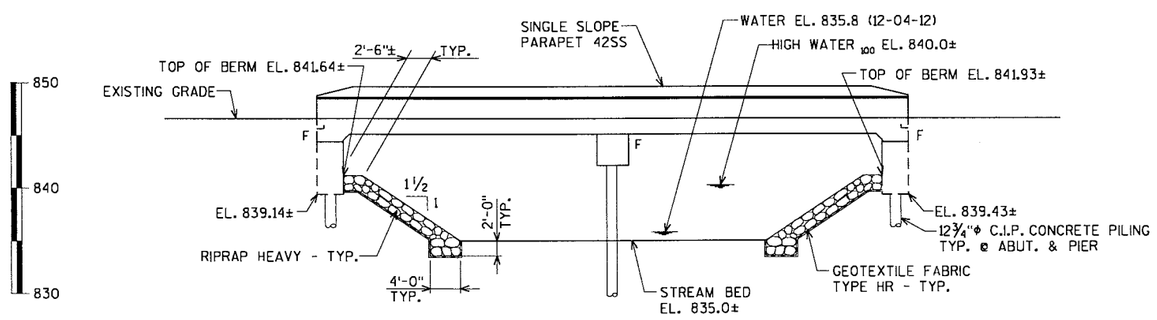
✳ANCHOR ASSEMBLY FOR THRIE BEAM TYPE GUARDRAIL.

◯ DENOTES WING NUMBER.

SEE SHEET 2 FOR SECTION A.

PLAN

2-SPAN CONCRETE FLAT SLAB - TEMPORARY WIDENING



ELEVATION

LIST OF DRAWINGS

1. GENERAL PLAN
2. TYPICAL SECTIONS
3. QUANTITIES AND NOTES
4. SOUTH ABUTMENT
5. SOUTH ABUTMENT BILL OF BARS
6. NORTH ABUTMENT
7. NORTH ABUTMENT BILL OF BARS
8. PIER
9. SUPERSTRUCTURE
10. SUPERSTRUCTURE DETAILS
11. SUPERSTRUCTURE BILL OF BARS
12. SINGLE SLOPE PARAPET 42SS

STATE PROJECT NUMBER

1007-10-78

DESIGN DATA

LIVE LOAD (PROPOSED WIDENING):

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: 1.22
OPERATING RATING FACTOR: 1.58
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

LIVE LOAD (EXISTING BRIDGE):

DESIGN LOADING: HS-20
INVENTORY RATING: HS-18
OPERATING RATING: HS-31
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

MATERIAL PROPERTIES:

CONCRETE MASONRY { SUPERSTRUCTURE ——— f'_c = 4,000 p.s.i.
ALL OTHER ——— f'_c = 3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60) ——— f_y = 60,000 p.s.i.

HYDRAULIC DATA:

100 YEAR FLOOD EXISTING CONDITIONS

DRAINAGE AREA = 5.36 sq. mi.
WATERWAY AREA = 118 sq. ft.
V = 3.9 f.p.s.
Q_{100} = 460 c.f.s.
HIGH WATER$_{100}$ EL. 840.0
HIGH WATER$_{2}$ EL. 837.8
RDWY. OVERFLOW = N/A
SCOUR CRITICAL CODE = 5

FOUNDATION DATA:

ABUTMENTS TO BE SUPPORTED ON 12¾" × 0.25" ϕ C.I.P. CONCRETE PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 110 TONS ‡ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
(NOTE THAT 12¾" × 0.375" ϕ C.I.P. CONCRETE PILING CAN BE USED AT THE ABUTMENTS. PAYMENT TO BE BASED ON 12¾" × 0.25" ϕ C.I.P. CONCRETE PILING)
ESTIMATED LENGTH 75'-0" SOUTH ABUTMENT & 65'-0" NORTH ABUTMENT.

PIER TO BE SUPPORTED ON 12¾" × 0.375" ϕ C.I.P CONCRETE PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 190 TONS ‡ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED LENGTH 70'-0".

‡THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC DATA:

A.D.T. = 56,650 (2020)
A.D.T. = 70,300 (2040)
R.D.S. = 70 M.P.H.

WISCONSIN
CHRISTOPHER B. McMAHON
E-29454
EAU CLAIRE
PROFESSIONAL ENGINEER
7/29/15

BRIDGE OFFICE CONTACT:
WILLIAM DREHER
(608)-266-8489

CONSULTANT CONTACT:
CHRIS MCMAHON
(715)-834-3161

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 08/05/15
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-13-208

IH-39/90 SB OVER BRANCH OF SAUNDERS CREEK

COUNTY	TOWN ~~CITY/VILLAGE~~
DANE	ALBION

DESIGN SPEC. REHABILITATION N/A

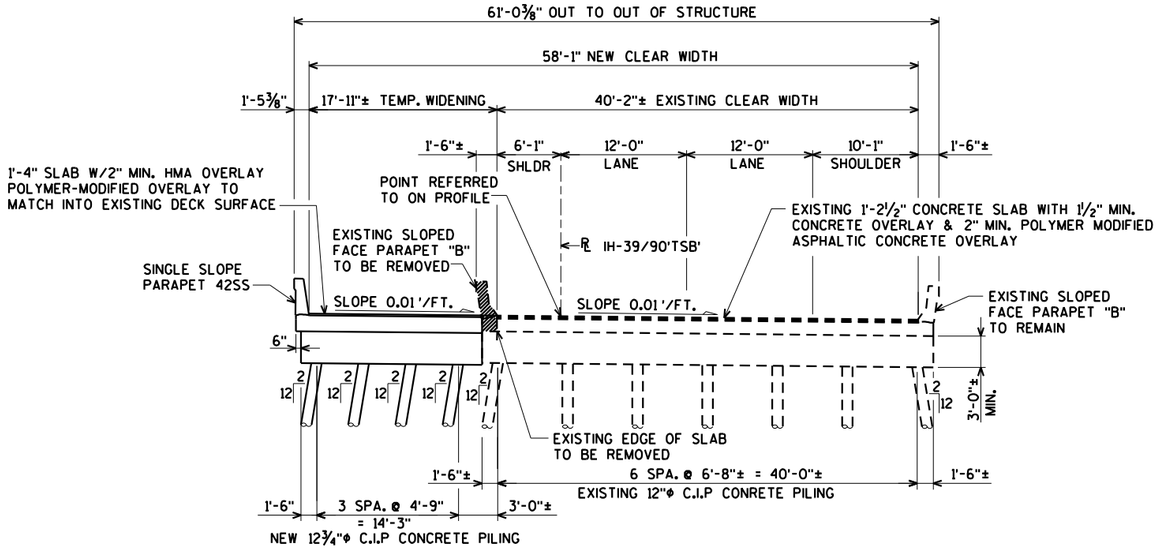
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JCK	CJM	JCK/CLS	CBM

GENERAL PLAN

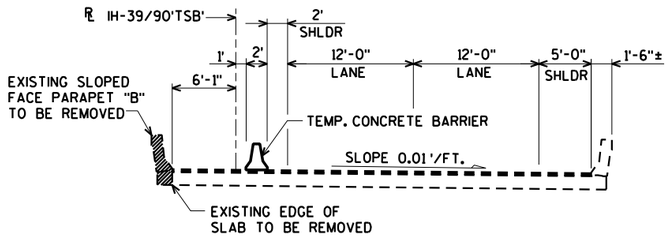
SHEET 1 OF 12
235

8

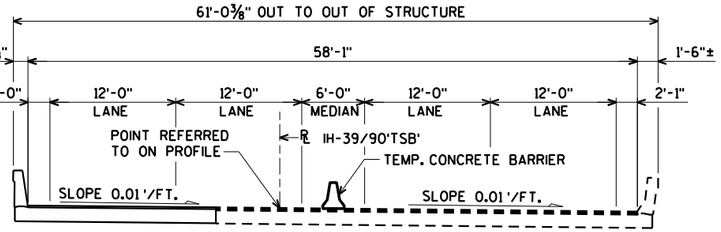
8



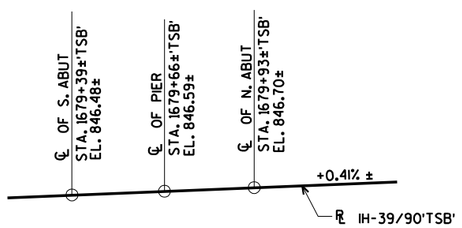
TYPICAL SECTION THRU ROADWAY AT PIER
(LOOKING SOUTH)



CONSTRUCTION STAGING SECTION
(LOOKING SOUTH)



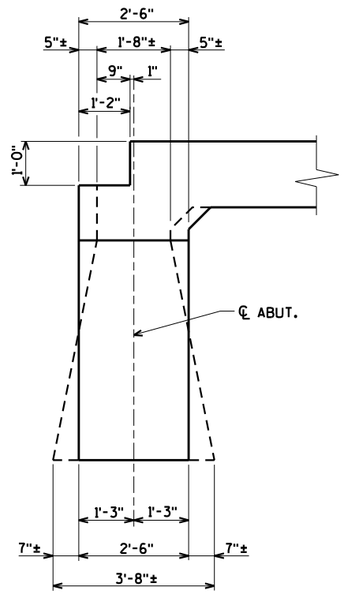
FUTURE CONSTRUCTION STAGING SECTION
(LOOKING SOUTH)



PROFILE GRADE LINE
(IH-39/90'TSB')

PROFILE GRADE LINE BASED ON FIELD SURVEY.
NEW 2" MIN. HMA OVERLAY POLYMER-MODIFIED OVERLAY TO MATCH EXISTING PROFILE. ADJUST IN THE FIELD AS NECESSARY.

BENCH MARK:
CUT 'X' ON WEST SIGN BOLT IN NB I-39 SIGN BASE
BM 557A
EL. 854.79



SECTION A

FOR LOCATION OF SECTION A
SEE SHEET 1.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-208

DRAWN BY JCK/CLS | PLANS CK'D. CBM

TYPICAL SECTIONS

SHEET 2 OF 12
236

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 SB over Br. Saunders Creek Temp Widening\BRIDGE\B-13-208 +1

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	S. ABUT.	PIER	N. ABUT.	SUPER.	TOTAL
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STATION 1679+66'TSB'	LS	-----	-----	-----	-----	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-13-208	LS	-----	-----	-----	-----	1
210.0100	BACKFILL STRUCTURE	CY	45	-----	45	-----	90
502.0100	CONCRETE MASONRY BRIDGES	CY	14	7	14	63	98
502.3210	PIGMENTED SURFACE SEALER	SY	-----	-----	-----	28	28
502.5005	MASONRY ANCHORS TYPE L NO. 5 BARS	EACH	-----	8	-----	112	120
502.5010	MASONRY ANCHORS TYPE L NO. 6 BARS	EACH	13	-----	13	-----	26
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	810	1,660	810	-----	3,280
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	410	40	400	12,160	13,010
◑ 509.1500	CONCRETE SURFACE REPAIR	SF	10	-----	10	20	40
509.3500.S	HMA OVERLAY POLYMER-MODIFIED	TON	-----	-----	-----	14	14
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	6	-----	6	-----	12
☆ 550.2124	PILING CIP CONCRETE 12¾ x 0.25-INCH	LF	225	-----	195	-----	420
550.2126	PILING CIP CONCRETE 12¾ x 0.375-INCH	LF	-----	280	-----	-----	280
606.0300	RIPRAP HEAVY	CY	40	-----	40	-----	80
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	40	-----	40	-----	80
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	-----	-----	-----	2	2
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	75	-----	75	-----	150
	NON-BID ITEMS						
	FILLER	SIZE	-----	-----	-----	-----	½" & ¾"

◑ UNDISTRIBUTED AS DIRECTED IN THE FIELD BY THE ENGINEER.

☆ NOTE THAT 12¾" x 0.375" ϕ C.I.P. CONCRETE PILING CAN BE USED AT THE ABUTMENTS. PAYMENT TO BE BASED ON 12¾" x 0.25" ϕ C.I.P. CONCRETE PILING.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS AND ELEVATIONS ARE BASED ON ORIGINAL PLANS.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE FIRST DIGIT OF A THREE DIGIT BAR NO. AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR NO. SIGNIFIES THE BAR SIZE.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAWCUT.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M 153, TYPE I, II OR III OR A.A.S.H.T.O. DESIGNATION M 213.

THE EXISTING GROUND LINE SHALL BE THE UPPER LIMIT FOR EXCAVATION FOR STRUCTURES.

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

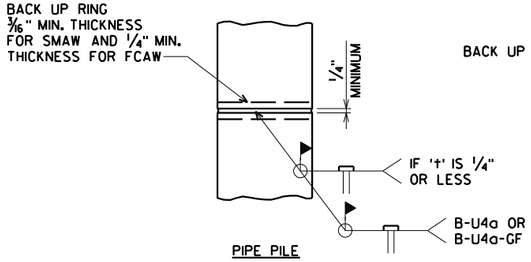
ORIGINAL CONSTRUCTION YEAR IS 1961.

PIGMENTED SURFACE SEALER IS TO BE APPLIED AS SHOWN IN THE DETAIL ON THIS SHEET.

THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET AND IN THE ABUTMENT DETAILS.

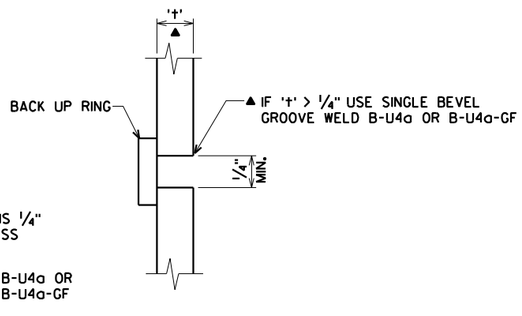
AT BACKFACE OF ABUTMENTS ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE.

THE QUANTITY OF BACKFILL STRUCTURE, BID ITEM 210.0100, IS CALCULATED BASED ON APPLICABLE FIGURES 12.6-1 AND 12.6-2 IN THE WISCONSIN DEPARTMENT OF TRANSPORTATION BRIDGE MANUAL.

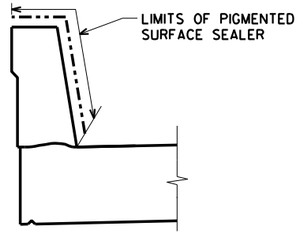


PILE SPLICE DETAIL

CAST-IN-PLACE PILE SHELL MATERIAL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.



CIP PILE WELD DETAIL



PIGMENTED SURFACE SEALER DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-208

DRAWN BY CLS | PLANS CK'D. CBM

QUANTITIES AND NOTES

SHEET 3 OF 12
237

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

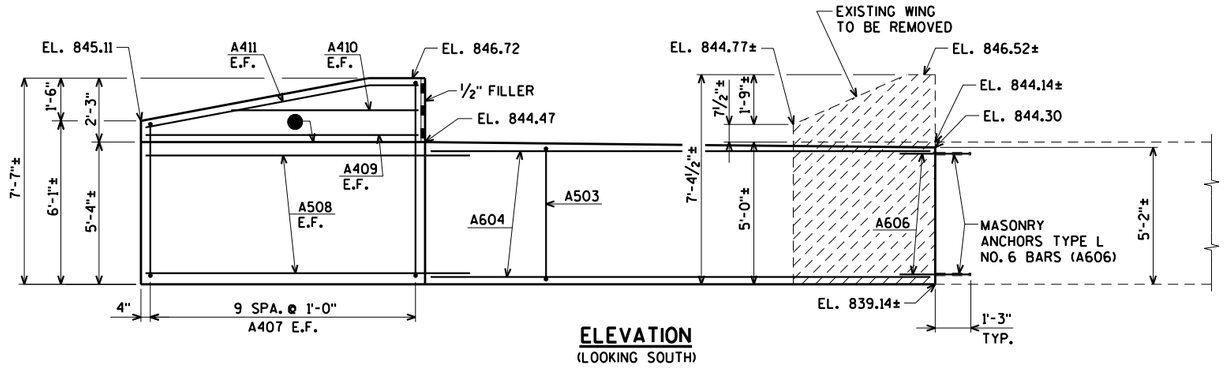
$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 SB over Br. Saunders Creek Temp Widening\BRIDGE\B-13-208 +1

$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 SB over Br. Saunders Creek Temp Widening\BRIDGE\B-13-

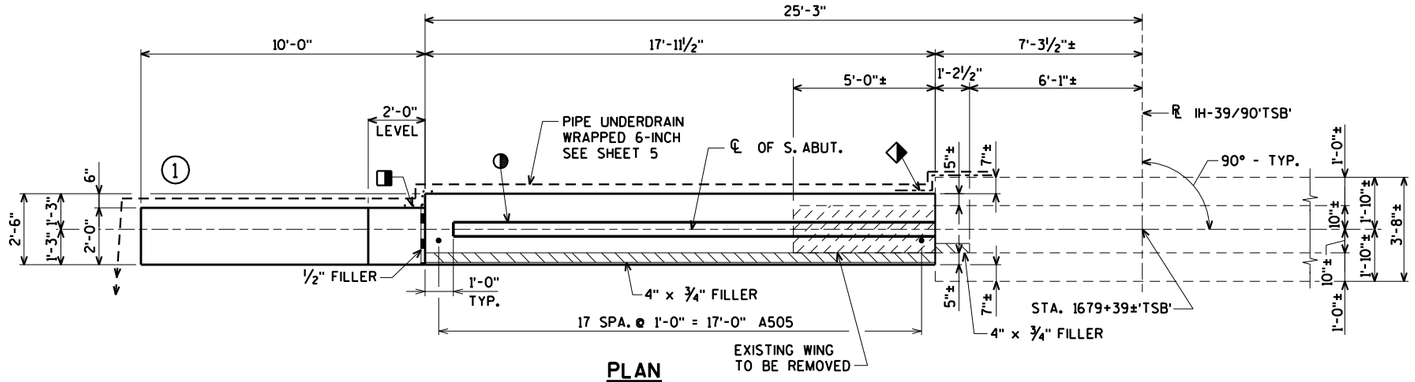
NOTE: SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE.)

STATE PROJECT NUMBER

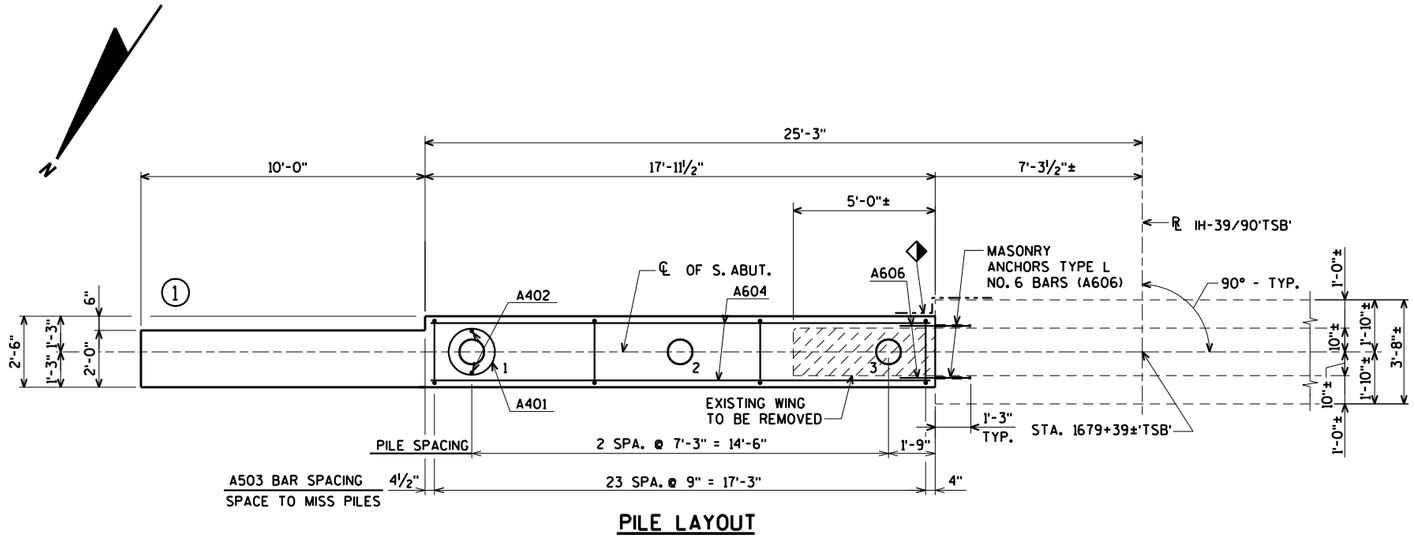
1007-10-78



ELEVATION
(LOOKING SOUTH)



PLAN



PILE LAYOUT

- ● OPT. KEYED CONST. JOINT - FORMED BY BEVELED 2" x 6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.
- ◑ KEYED CONST. JOINT - FORMED BY BEVELED 2" x 6".
- ◇ VERTICAL 18" RUBBERIZED MEMBRANE WATERPROOFING TO EXTEND FROM BOTTOM OF ABUTMENT TO BRIDGE SEAT.
- ◨ VERTICAL 18" RUBBERIZED MEMBRANE WATERPROOFING TO EXTEND FROM BRIDGE SEAT TO TOP OF WING WALL.

FOR PILE SPLICE DETAIL SEE SHEET 3.

E.F. DENOTES EACH FACE

B.F. DENOTES BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-208

DRAWN BY CLS | PLANS CK'D. CBM

SOUTH ABUTMENT

SHEET 4 OF 12
238

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

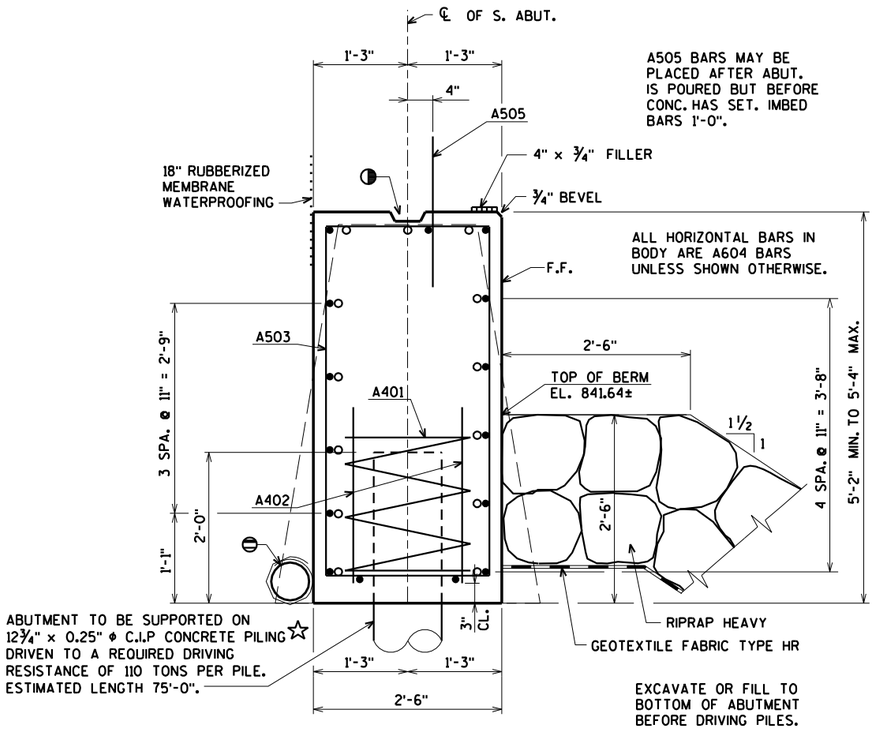
8

8

5/13/2015

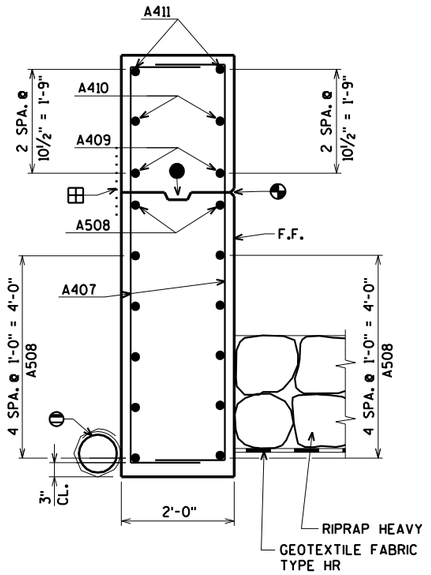
PENTABLE:BReau_shd_util.tbl

$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 SB over Br. Saunders Creek Temp Widening\BRIDGE\B-13-



TYPICAL SECTION THRU BODY

☆ 12¾" x 0.375" ϕ C.I.P. CONCRETE PILING CAN BE USED.
PAYMENT BASED ON 12¾" x 0.25" ϕ C.I.P. CONCRETE PILING.



TYPICAL SECTION THRU WING

⊞ 18" RUBBERIZED MEMBRANE WATERPROOFING ON BACK FACE. NOT REQUIRED IF CONST. JOINT IS NOT USED.

● OPT. KEYED CONST. JOINT - FORMED BY BEVELED 2" x 6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

◔ ¾" 'V' GROOVE ON F.F. OF WING WALL NOT REQUIRED IF CONST. JT. IS NOT USED.

⊖ PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN AS DETAILED ON THIS SHEET.

◑ KEYED CONST. JOINT - FORMED BY BEVELED 2" x 6".

FOR PILE SPLICE DETAIL SEE SHEET 3.

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

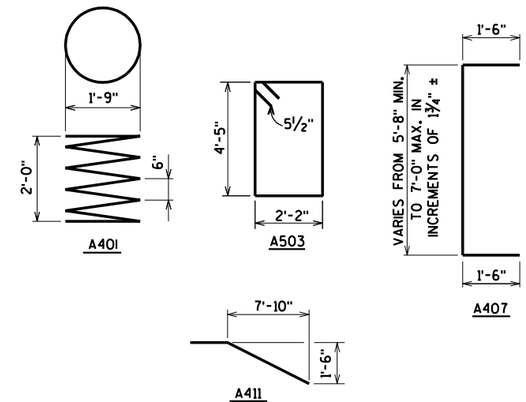
BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR SERIES	410# COATED 810# UNCOATED LOCATION
A401		3	28-0	X		BODY @ PILES
A402		6	2-3			BODY @ PILES
A503		24	13-10	X		BODY VERT.
A604		15	17-7			BODY HORIZ.
A505	X	18	2-0			BODY DOWELS VERT.
▲ A606		13	3-4			BODY DOWELS HORIZ.
A407	X	20	9-2	X		⊗ WING 1 VERT. E.F.
A508	X	12	11-7			WING 1 HORIZ. E.F.
A409	X	2	9-7			WING 1 HORIZ. E.F.
A410	X	2	7-0			WING 1 HORIZ. E.F.
A411	X	2	9-9	X		WING 1 DIAG. E.F.

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.

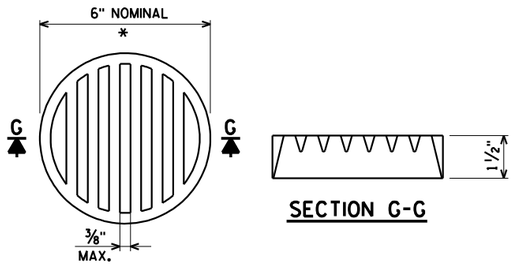
▲ MASONRY ANCHORS TYPE L NO. 6 BARS



BAR SERIES TABLE

BAR MARK	NO REQ'D.	LENGTH
A407	2 SERIES OF 10	8'-6" TO 9'-10"

BUNDLE AND TAG EACH SERIES SEPARATELY.



SECTION G-G

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE INCLUDED IN THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-208

DRAWN BY CLS | PLANS CK'D. CBM

SOUTH ABUTMENT DETAILS AND BILL OF BARS

SHEET 5 OF 12
239

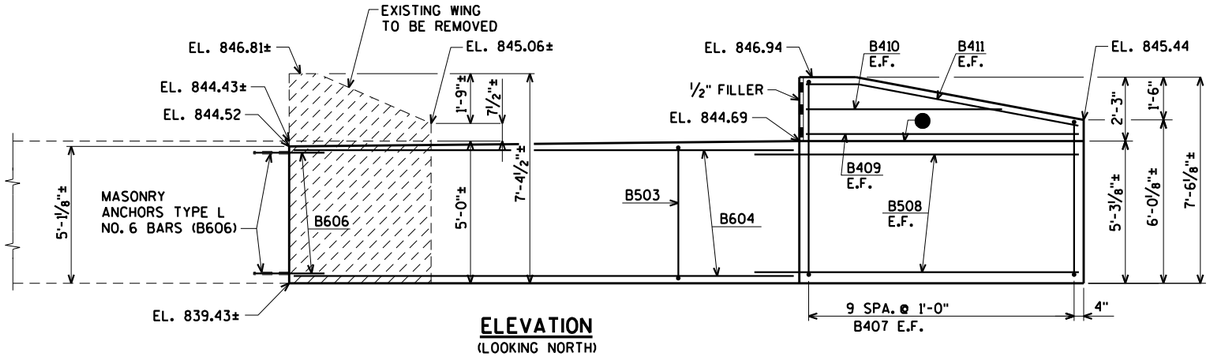
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 SB over Br. Saunders Creek Temp Widening\BRIDGE\B-13-208\Structure\Plans\B-13-208_North_Abutment.dgn

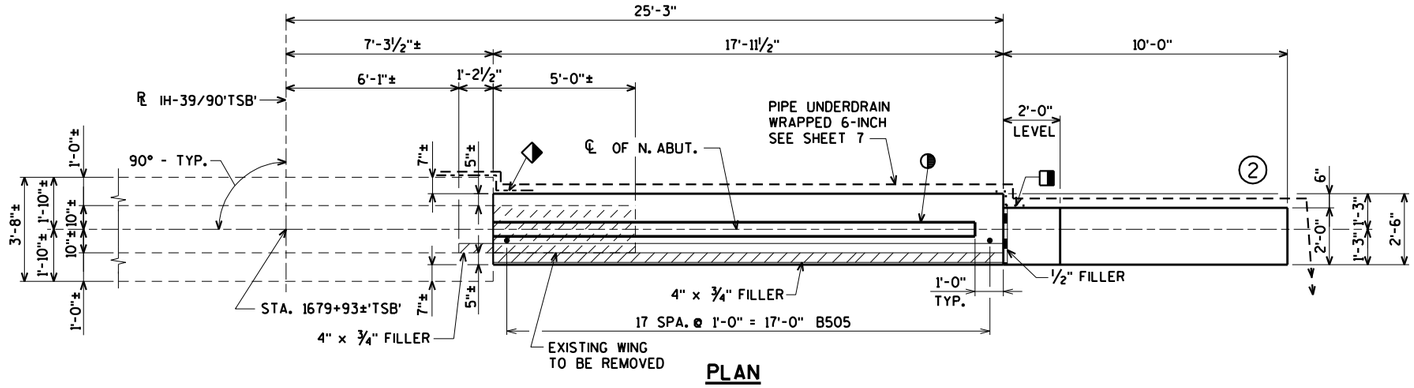
NOTE: SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE.)

STATE PROJECT NUMBER

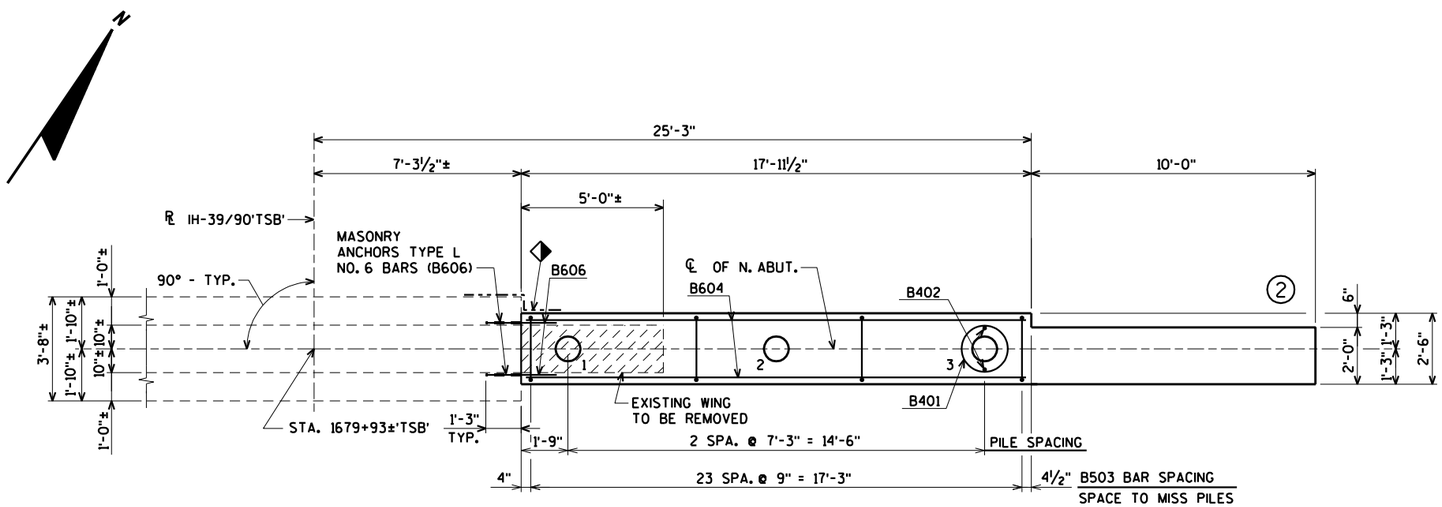
1007-10-78



ELEVATION
(LOOKING NORTH)



PLAN



PILE LAYOUT

- ● OPT. KEYED CONST. JOINT - FORMED BY BEVELED 2" x 6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.
- ◑ KEYED CONST. JOINT - FORMED BY BEVELED 2" x 6".
- ◆ VERTICAL 18" RUBBERIZED MEMBRANE WATERPROOFING TO EXTEND FROM BOTTOM OF ABUTMENT TO BRIDGE SEAT.
- ◨ VERTICAL 18" RUBBERIZED MEMBRANE WATERPROOFING TO EXTEND FROM BRIDGE SEAT TO TOP OF WING WALL.

FOR PILE SPLICE DETAIL SEE SHEET 3.

E.F. DENOTES EACH FACE

B.F. DENOTES BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-208

DRAWN BY CLS | PLANS CK'D. CBM

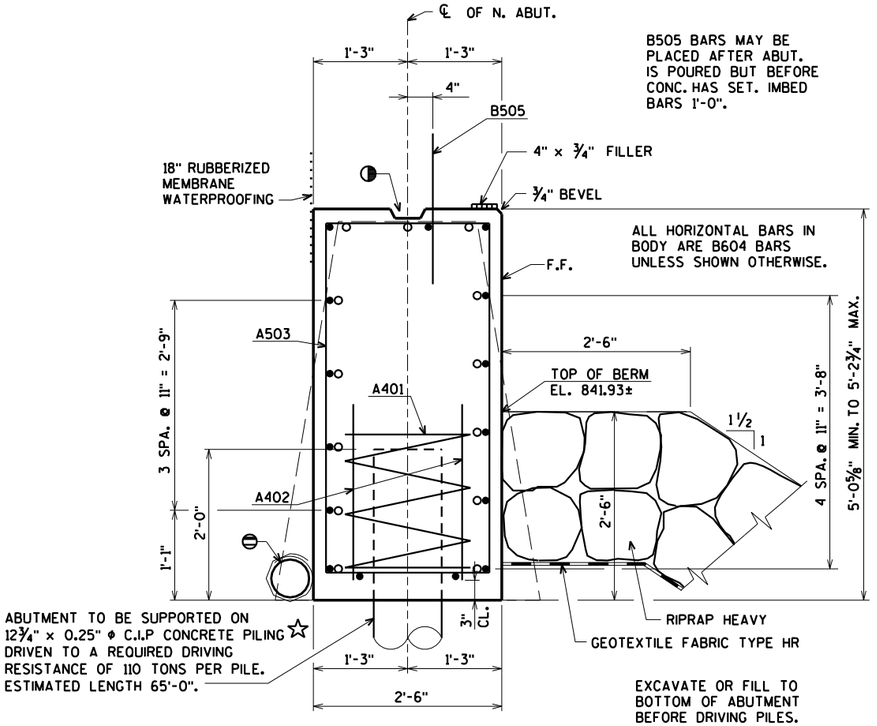
NORTH ABUTMENT

SHEET 6 OF 12
240

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

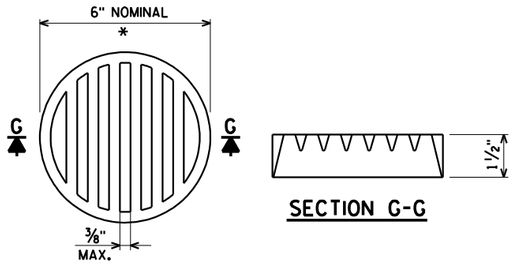
PENTABLE:BReau_shd_util.tbl

$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 SB over Br. Saunders Creek Temp Widening\BRIDGE\B-13-



TYPICAL SECTION THRU BODY

☆ 12¾" x 0.375" ϕ C.I.P. CONCRETE PILING CAN BE USED.
PAYMENT BASED ON 12¾" x 0.25" ϕ C.I.P. CONCRETE PILING.



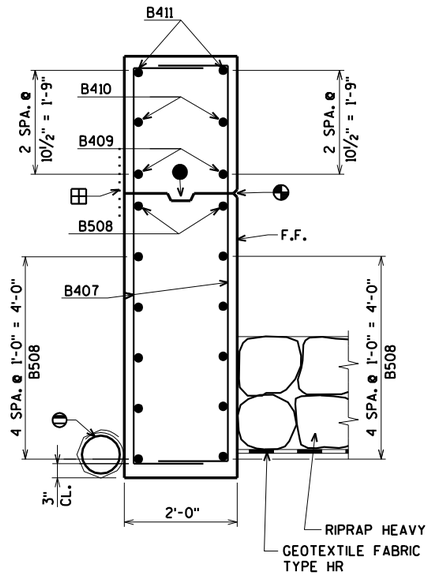
SECTION G-G

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE INCLUDED IN THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL



TYPICAL SECTION THRU WING

⊞ 18" RUBBERIZED MEMBRANE WATERPROOFING ON BACK FACE. NOT REQUIRED IF CONST. JOINT IS NOT USED.

● OPT. KEYED CONST. JOINT - FORMED BY BEVELED 2" x 6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON B.F.

◔ ¾" 'V' GROOVE ON F.F. OF WING WALL NOT REQUIRED IF CONST. JT. IS NOT USED.

⊖ PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN AS DETAILED ON THIS SHEET.

◑ KEYED CONST. JOINT - FORMED BY BEVELED 2" x 6".

FOR PILE SPLICE DETAIL SEE SHEET 3.

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

E.F. DENOTES EACH FACE

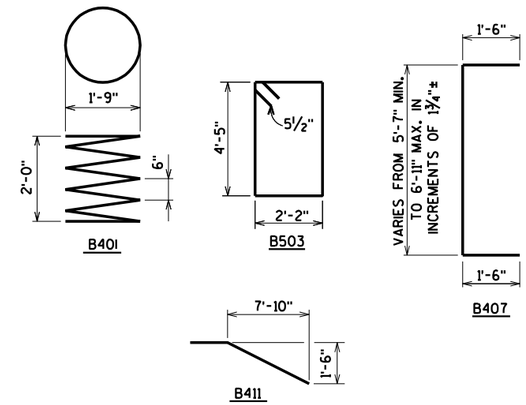
BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR SERIES	400# COATED 810# UNCOATED LOCATION
B401		3	28-0	X		BODY @ PILES
B402		6	2-3			BODY @ PILES
B503		24	13-10	X		BODY VERT.
B604		15	17-7			BODY HORIZ.
B505	X	18	2-0			BODY DOWELS VERT.
▲ B606		13	3-4			BODY DOWELS HORIZ.
B407	X	20	9-1	X	⊗	WING 2 VERT. E.F.
B508	X	12	11-7			WING 2 HORIZ. E.F.
B409	X	2	9-7			WING 2 HORIZ. E.F.
B410	X	2	7-0			WING 2 HORIZ. E.F.
B411	X	2	9-9	X		WING 2 DIAG. E.F.

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.

▲ MASONRY ANCHORS TYPE L NO. 6 BARS



BAR SERIES TABLE

BAR MARK	NO REQ'D.	LENGTH
B407	2 SERIES OF 10	8'-5" TO 9'-9"

BUNDLE AND TAG EACH SERIES SEPARATELY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-208

DRAWN BY CLS | PLANS CK'D. CBM

NORTH ABUTMENT DETAILS AND BILL OF BARS

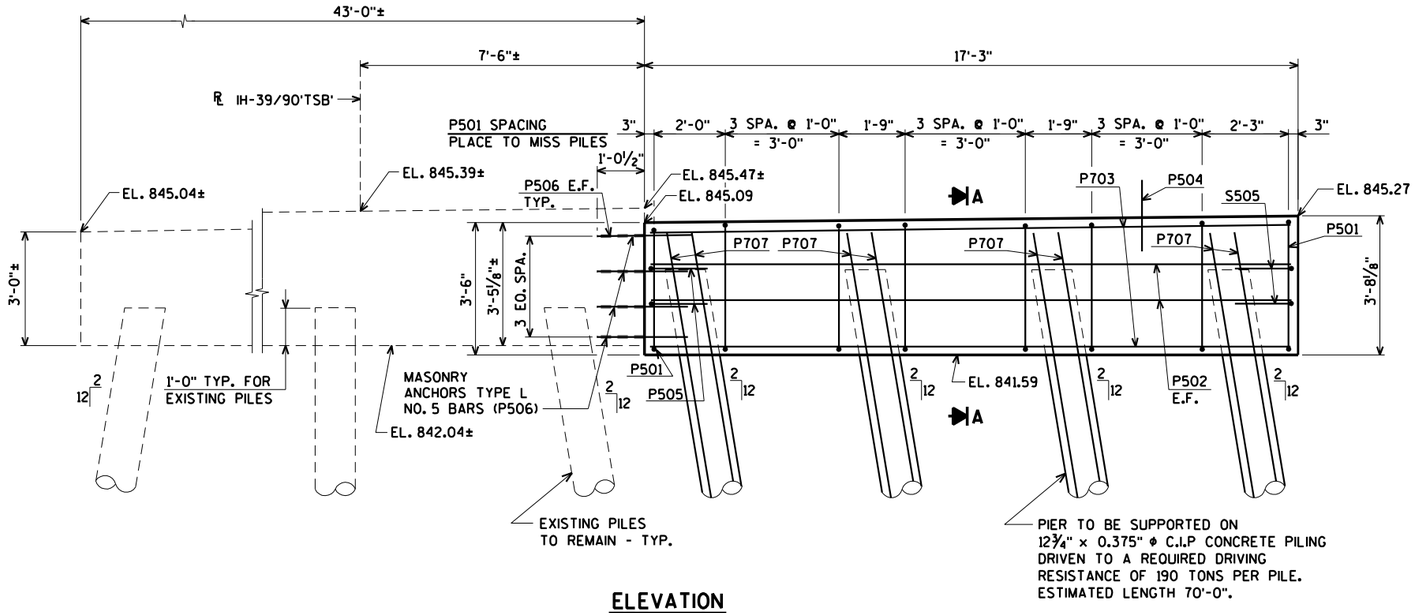
SHEET 7 OF 12
241

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

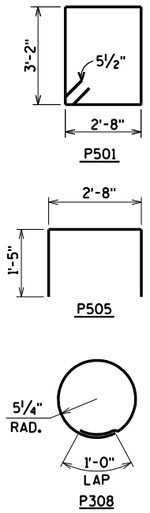
$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 SB over Br. Saunders Creek Temp Widening\BRIDGE\B-13-

STATE PROJECT NUMBER

1007-10-78



ELEVATION
(LOOKING NORTH)

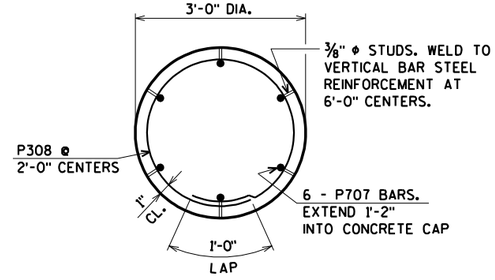


BILL OF BARS

	BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR SERIES	40# COATED 1.660# UNCOATED LOCATION
	P501		14	12-4	X		CAP STIRRUPS
	P502		4	16-11			CAP HORIZ. E.F.
	P703		8	16-11			CAP HORIZ.
	P504	X	18	2-0			CAP VERT. DOWELS
	P505		4	5-4	X		CAP HORIZ.
▲	P506		8	3-1			CAP HORIZ. DOWELS
	P707		24	20-0			TOP OF PILES VERT.
	P308		44	3-9	X		TOP OF PILES STIRRUPS

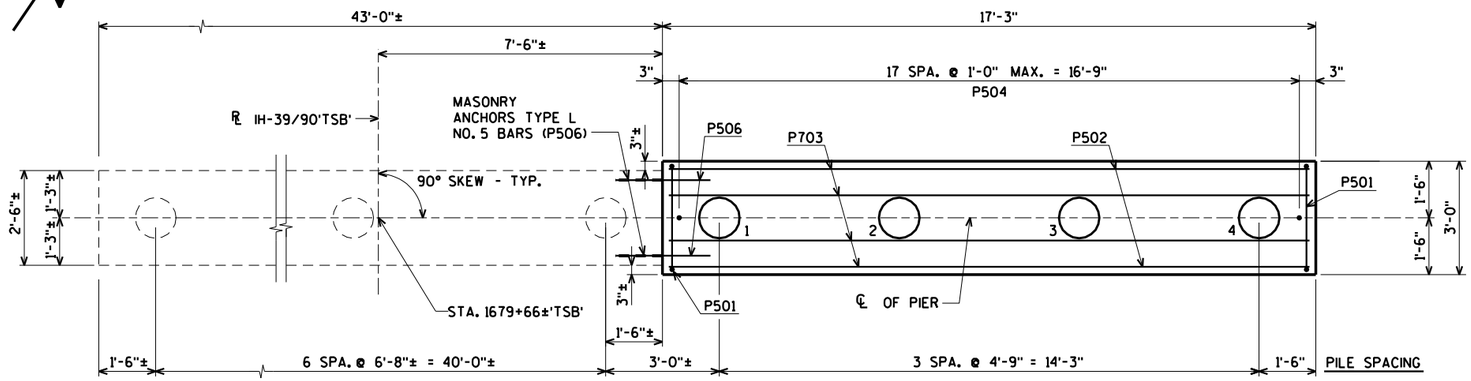
BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

▲ MASONRY ANCHORS TYPE L NO. 5 BARS

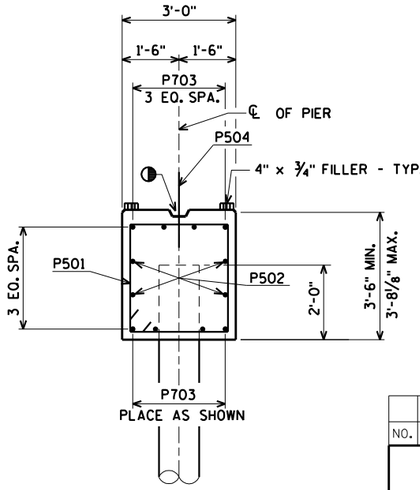


SECTION THRU CONCRETE CAST-IN-PLACE PILING

TERMINATE REINFORCEMENT 10'-0"± BELOW STREAMBED ELEVATION.



PILE LAYOUT



P504 BARS MAY BE PLACED AFTER PIER CAP IS POURED BUT BEFORE CONC. HAS SET. IMBED BARS 1'-0".

SECTION A

◑ CONST. JOINT FORMED BY SURFACED BEVELED 2" x 6" KEYWAY.

FOR PILE SPLICE DETAIL SEE SHEET 3.

E.F. DENOTES EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-208

DRAWN BY CLS | PLANS CK'D. CBM

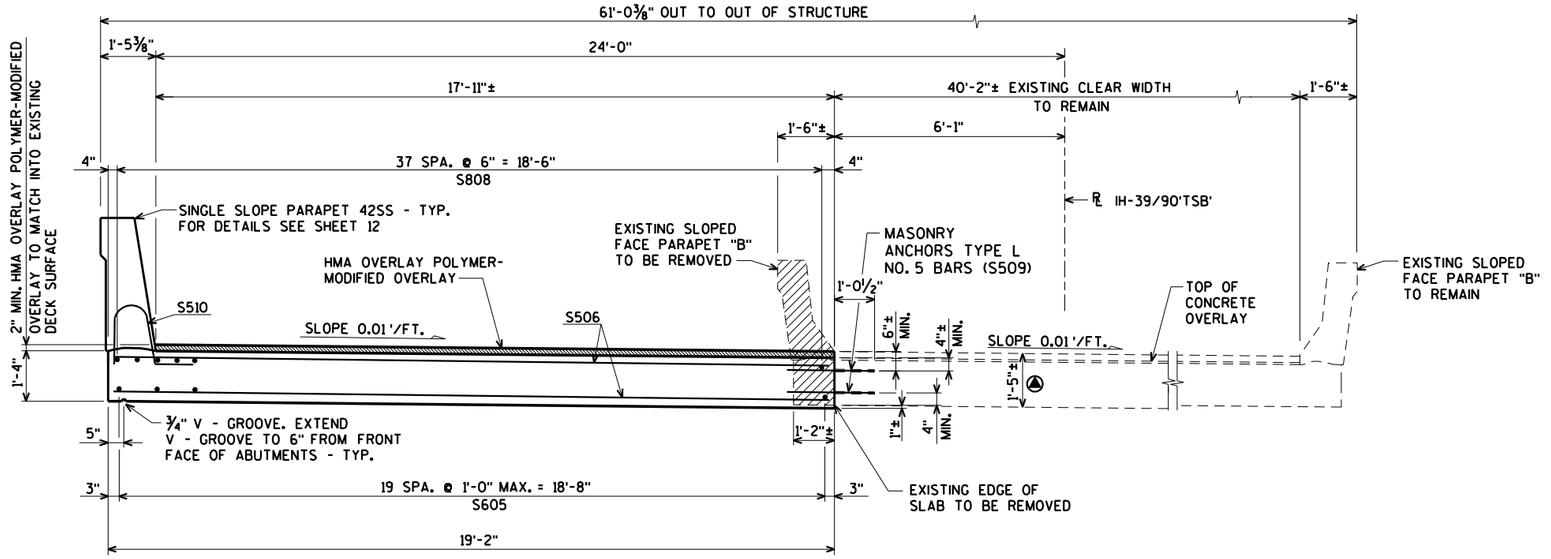
PIER

SHEET 8 OF 12
242

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

8

8



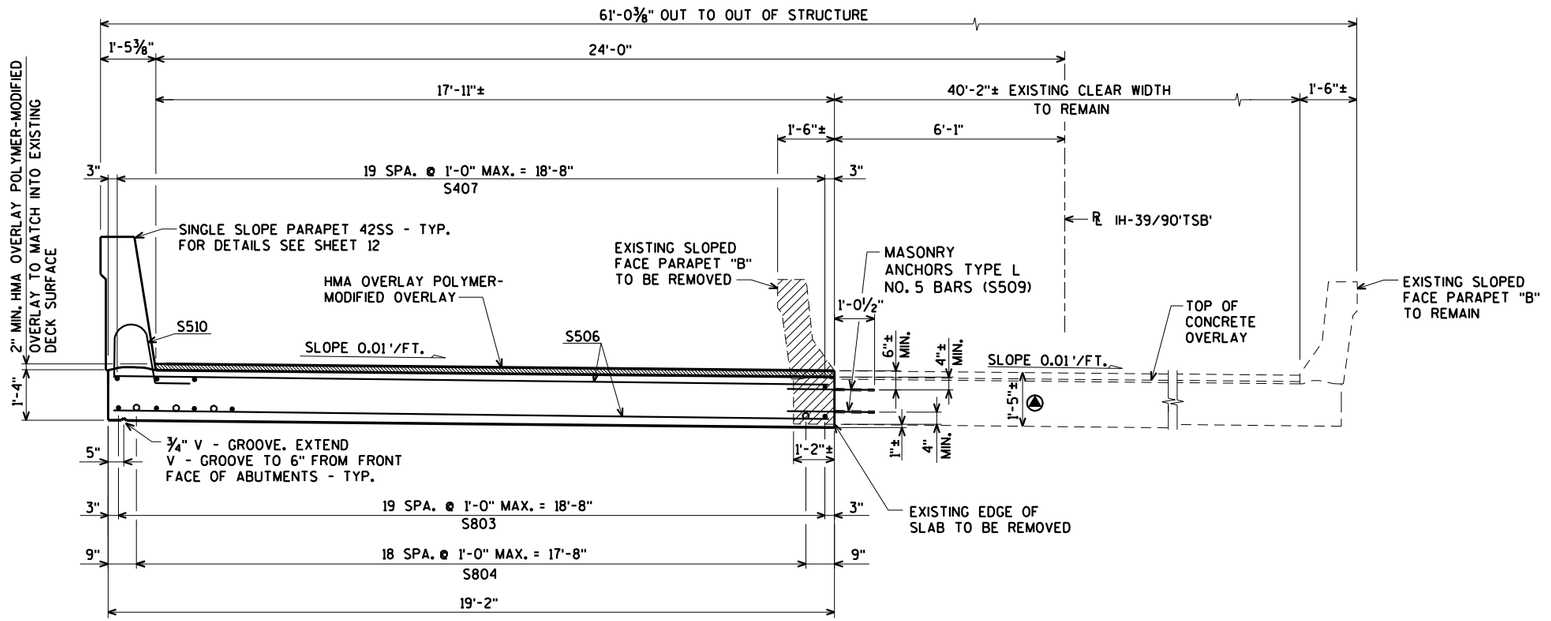
CROSS SECTION THRU ROADWAY AT PIER

(LOOKING SOUTH)

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

▲ EXISTING 1'-2½" CONCRETE SLAB WITH 1½" MIN. CONCRETE OVERLAY AND 2" MIN. POLYMER MODIFIED ASPHALTIC CONCRETE OVERLAY



CROSS SECTION THRU ROADWAY IN SPAN

(LOOKING SOUTH)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-208

DRAWN BY CLS | PLANS CK'D. CBM

SUPERSTRUCTURE

SHEET 9 OF 12
243

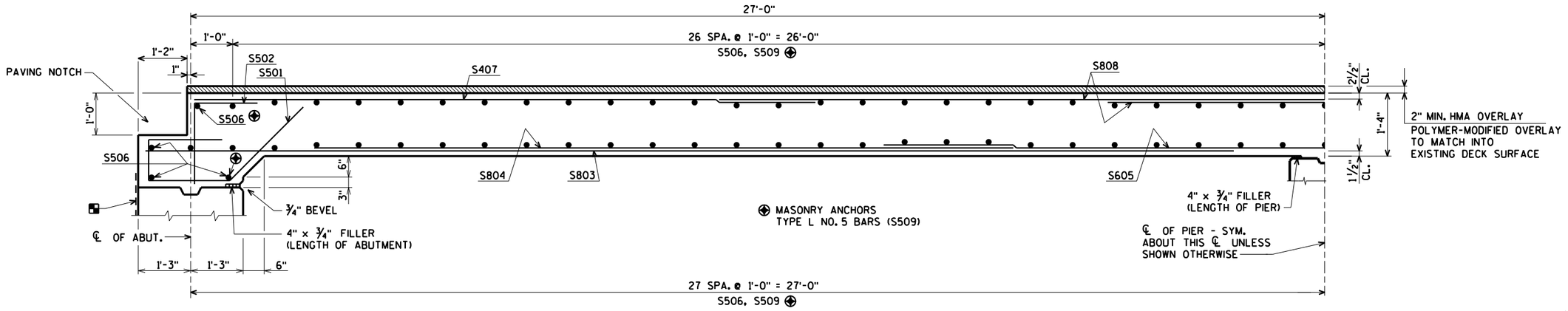
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 SB over Br. Saunders Creek Temp Widening\BRIDGE\B-13-

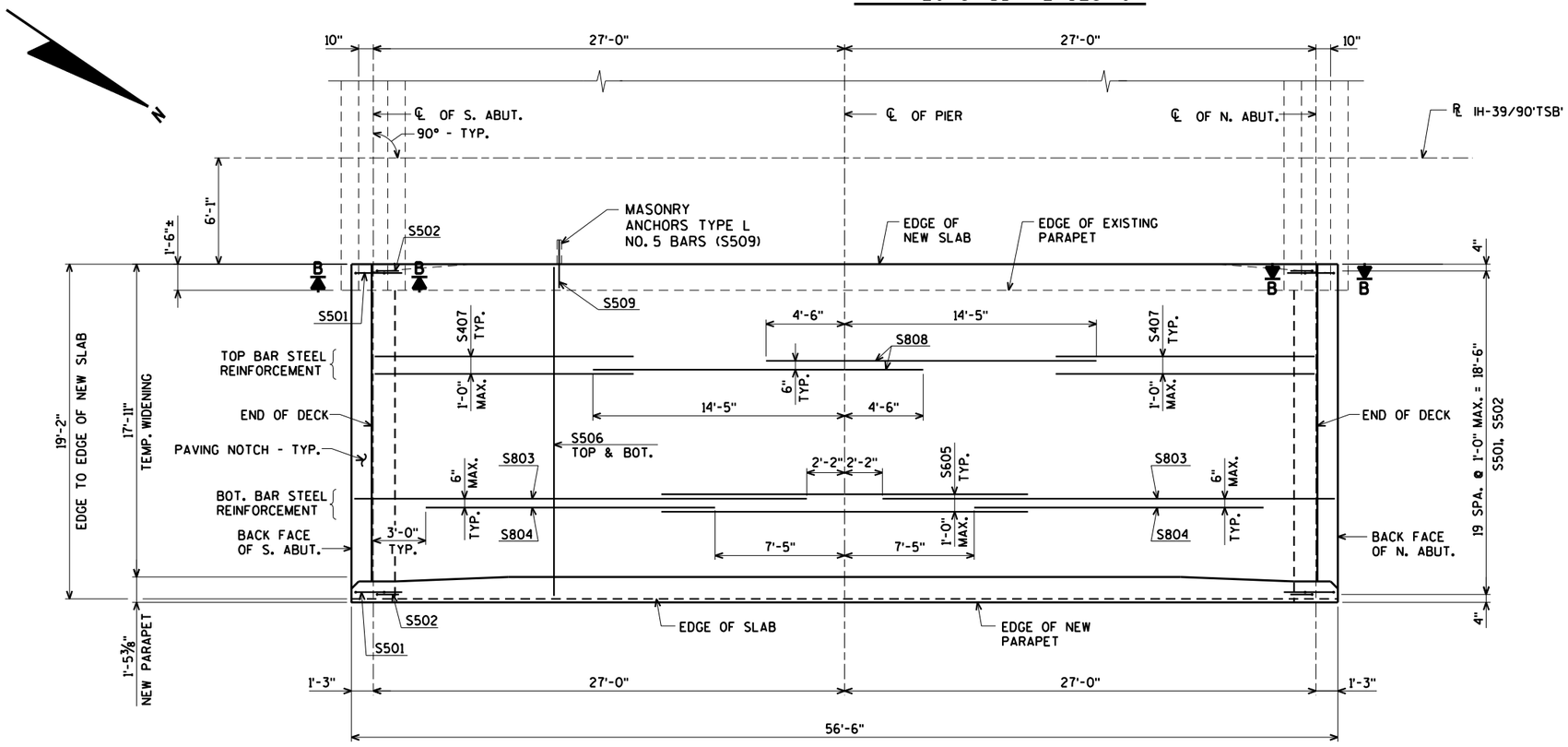
$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 SB over Br. Saunders Creek Temp Widening\BRIDGE\B-13-208

STATE PROJECT NUMBER

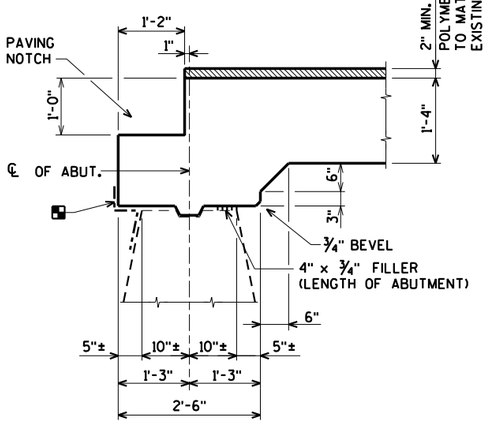
1007-10-78



PART LONGITUDINAL SECTION



PLAN



SECTION B

18" RUBBERIZED MEMBRANE WATERPROOFING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-208

DRAWN BY CLS | PLANS CK'D. CBM

SUPERSTRUCTURE DETAILS

SHEET 10 OF 12
244

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

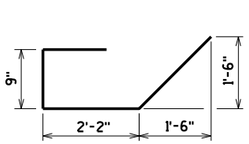
8

8

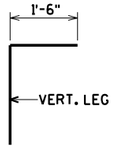
5/13/2015

PENTABLE:BReau_shd_util.tbl

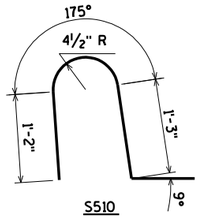
$PRFNAME$
U:\41-0660.0X - IH-39 Dane Partners General Bridge Information_I-39 SB over Br. Saunders Creek Temp Widening\BRIDGE\B-13-



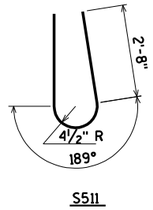
S501



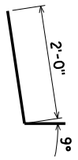
S502



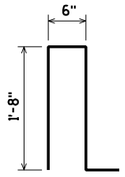
S510



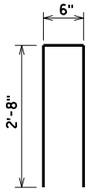
S511



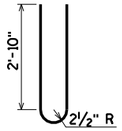
S512



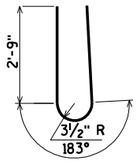
S513



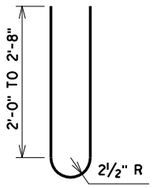
S514



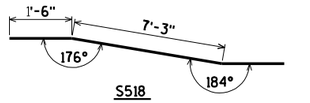
S515



S516



S517



S518

S520

BILL OF BARS

BAR. NO.	COATED BAR	NO. REQ'D.	LENGTH	BENT BAR	BUNDLED BAR SERIES	12,160# COATED LOCATION
S501	X	40	6-7	X		SLAB @ ABUT.
S502	X	40	3-1	X		SLAB @ ABUT.
S803	X	40	25-11			SLAB LONG. BOT.
S804	X	38	16-7			SLAB LONG. BOT.
S605	X	20	21-0			SLAB LONG. BOT. @ PIER
S506	X	116	18-10			SLAB TRANS. TOP & BOT.
S407	X	40	14-10			SLAB LONG. TOP
S808	X	38	18-11			SLAB LONG. TOP @ PIER
▲ S509	X	112	4-0			SLAB TRANS. DOWEL
S510	X	59	4-5	X		SLAB @ PARAPET VERT.
S511	X	59	6-8	X		PARAPET VERT.
S512	X	22	2-9	X		SLAB @ PARAPET VERT.
S513	X	30	4-4	X		SLAB @ PARAPET VERT.
S514	X	4	5-7	X		SLAB @ PARAPET VERT.
S515	X	10	6-5	X		PARAPET VERT.
S516	X	12	6-6	X		PARAPET VERT.
S517	X	12	5-5	X	⊗	PARAPET VERT.
S518	X	2	11-8	X		PARAPET HORIZ.
S519	X	10	11-8			PARAPET HORIZ.
S520	X	2	11-9	X		PARAPET HORIZ.
S521	X	8	38-6			PARAPET HORIZ.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

⊗ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

▲ MASONRY ANCHORS TYPLE L NO. 5 BARS

BAR SERIES TABLE

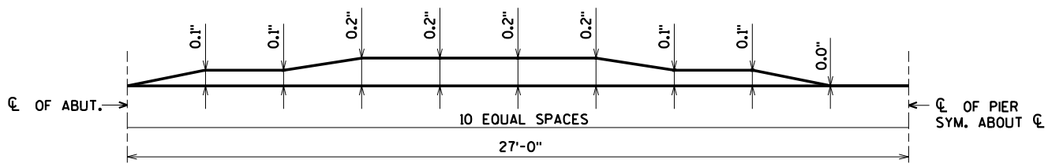
BAR MARK	NO REQ'D.	LENGTH
S517	2 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.

TOP OF DECK ELEVATIONS

ELEVATIONS SHOWN ARE FINISHED CONCRETE DECK WITHOUT THE 2" MIN. HMA OVERLAY POLYMER-MODIFIED OVERLAY. ELEVATIONS SHOWN DO NOT INCLUDE ALLOWANCES OF DEAD LOAD DEFLECTION AND FUTURE CREEP.

LOCATION	℄ OF S. ABUT.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	℄ OF PIER	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	℄ OF N. ABUT.
W. EDGE OF NEW SLAB	846.37	846.39	846.40	846.41	846.42	846.43	846.44	846.45	846.46	846.47	846.48	846.50	846.51	846.52	846.53	846.54	846.55	846.56	846.57	846.58	846.59
E. EDGE OF NEW SLAB	846.55	846.56	846.58	846.59	846.60	846.61	846.62	846.63	846.64	846.65	846.66	846.67	846.69	846.70	846.71	846.72	846.73	846.74	846.75	846.76	846.77



CAMBER DIAGRAM

CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION & FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

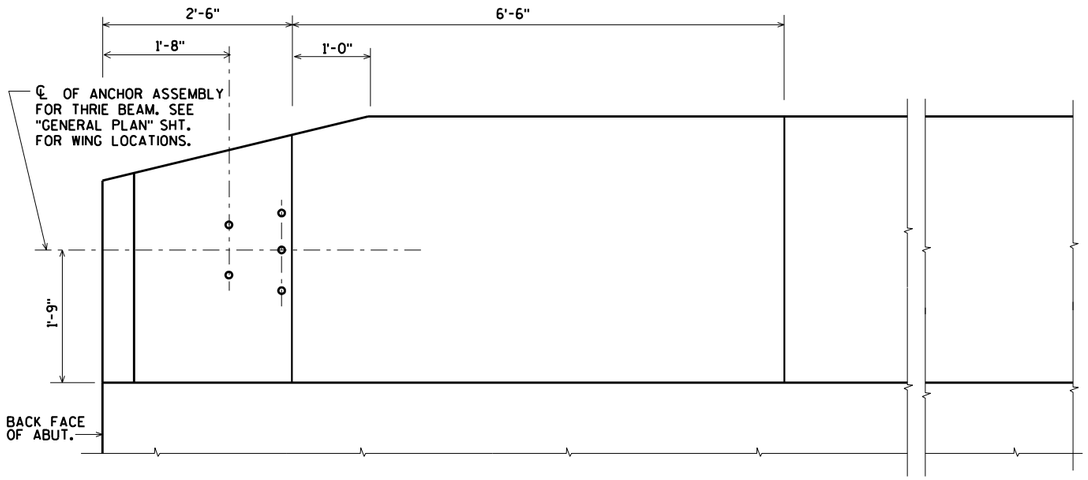
STRUCTURE B-13-208

DRAWN BY CLS | PLANS CK'D. CBM

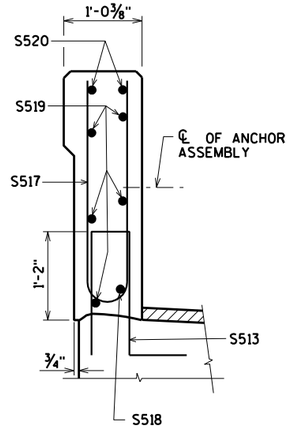
SUPERSTRUCTURE BILL OF BARS

SHEET 11 OF 12
245

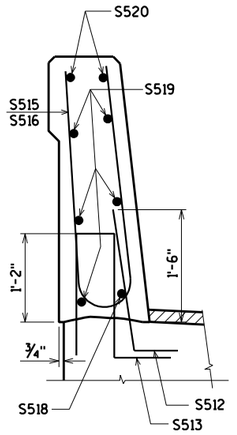
ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com



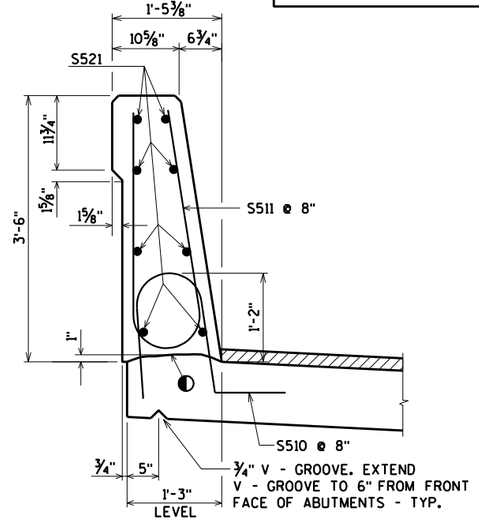
INSIDE ELEVATION



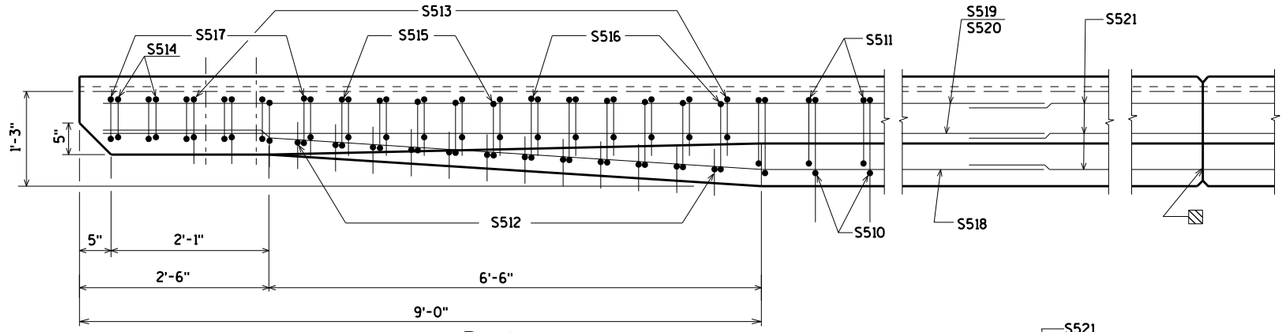
SECTION A



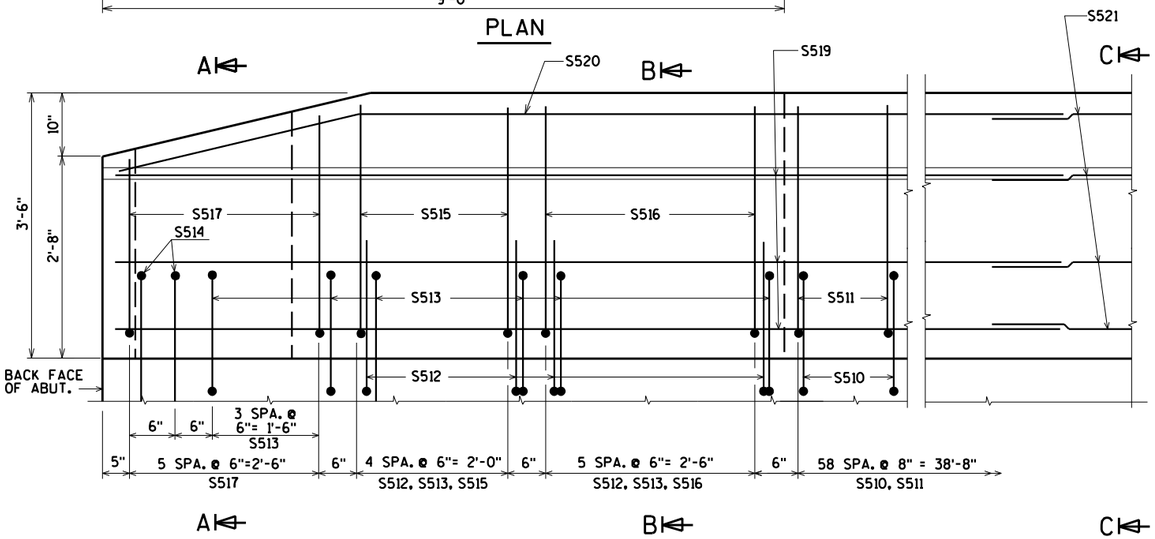
SECTION B



SECTION C

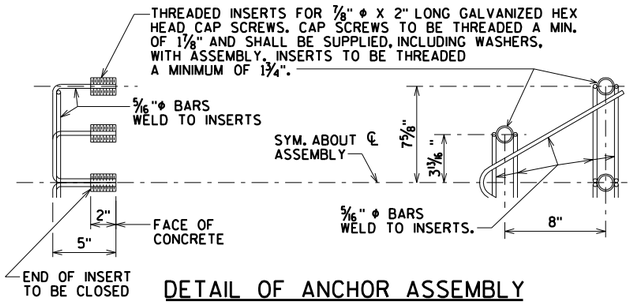


PLAN



OUTSIDE ELEVATION

▨ OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" - 'V' GROOVE.



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-208

DRAWN BY CLS | PLANS CK'D. CBM

SINGLE SLOPE PARAPET 42SS

SHEET 12 OF 12
246

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 SB over Br. Saunders Creek Temp Widening\BRIDGE\B-13-208 SINGLE SLOPE PARAPET 42SS.dgn

STATE PROJECT NUMBER

1007-10-78

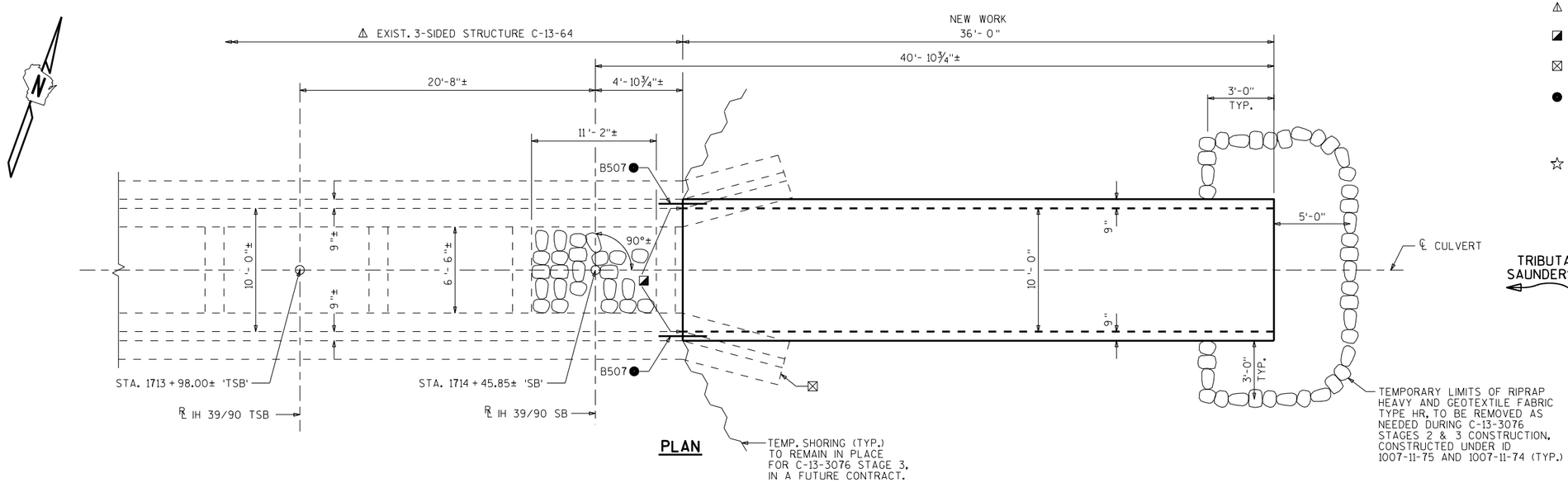
△ EXIST. 3-SIDED STRUCTURE TO REMAIN IN PLACE

◪ INSIDE WALLS TO MATCH EXISTING (TYP.)

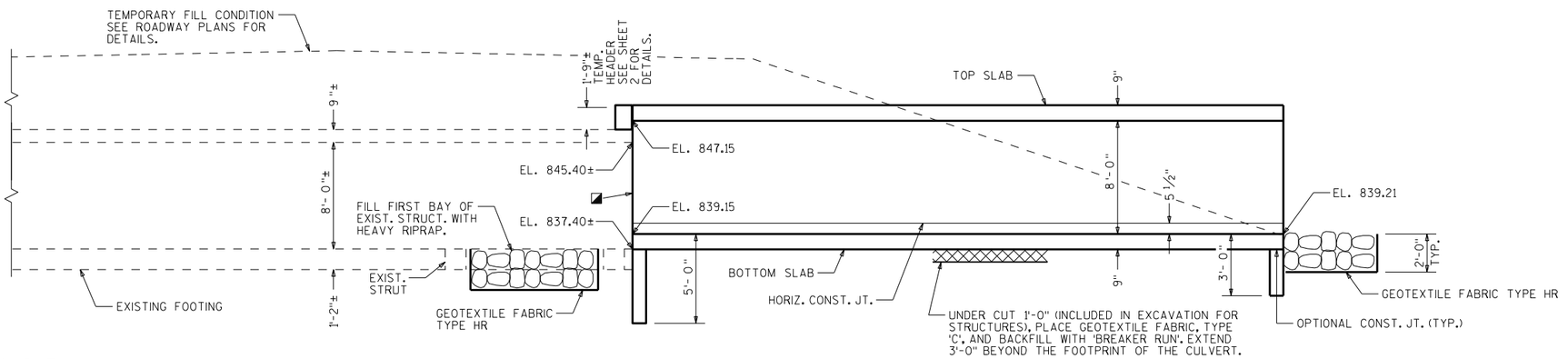
☒ REMOVE EXISTING WINGS AND WING FOOTINGS (TYP.)

● CONCRETE MASONRY ANCHORS, TYPE S (EPOXY ANCHORED), 5/8-INCH , EMBED 6" INTO SOUND CONCRETE AND SPACE AT 1'-0" CENTERS. (TYP. IN EXT. WALLS).

☆ SEE ROADWAY PLANS FOR COFFERDAM CONCEPT



PLAN



ELEVATION

LIST OF DRAWINGS

1. LAYOUT
2. BOX DETAILS
3. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACT:

MICAH BROOKS (608) 266-5080

LAURA SHADEWALD (608) 267-9592

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): 215 (KIPS)

EARTHLOAD: DESIGNED FOR 2.5 TO 5.0 FT. OF FILL.

MATERIAL PROPERTIES:

CONCRETE MASONRY, GRADE A-FA ——— f'_c = 3500 P.S.I.
HIGH STRENGTH BAR STEEL REINFORCEMENT — f_y = 60000 P.S.I.

HYDRAULIC DATA

100 YEAR FREQUENCY

Q_{100} = 45 C.F.S.
VEL. = 3.6 F.P.S.
HW. = EL. 843.0

2 YEAR FREQUENCY

Q_2 = 10 C.F.S.
$HW._2$ = EL. 842.1

DRAINAGE AREA = 0.1 SQ. MI.
OVERTOPPING RDWY. = N.A.

INVERTS TO BE SET 1' BELOW STREAM BED.

TRAFFIC VOLUME

IH 39/90

A.A.D.T. = 70300 (2040)
R.D.S. = 70 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEMS

203.0200	REMOVING OLD STRUCTURE STA. 1714+45.85±	1	LS
206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-13-3076	1	LS
☆ 206.5000	COFFERDAMS C-13-3076	1	LS
210.0100	BACKFILL STRUCTURE	185	CY
311.0115	BREAKER RUN	24	CY
502.6105	MASONRY ANCHORS TYPE S 5/8-INCH	12	EACH
504.0100	CONCRETE MASONRY CULVERTS	43	CY
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	7250	LB
511.2200	TEMPORARY SHORING LEFT IN PLACE C-13-3076	280	SF
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	7	SY
606.0300	RIPRAP HEAVY	13	CY
645.0105	GEOTEXTILE FABRIC TYPE C	78	SY
645.0120	GEOTEXTILE FABRIC TYPE HR	30	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-13-3076" SHALL BE THE EXISTING GROUNDLINE.

ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO 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.

PLACE AN 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 IN 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".

CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE BREAKER RUN, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

QUANTITY OF STRUCTURE BACKFILL IS LESS THAN REQUIRED FOR FINAL CONDITION. STRUCTURE BACKFILL THAT CANNOT BE PLACED DURING CONSTRUCTION OF C-13-3076 STAGE 1 HAS BEEN INCLUDED IN THE ESTIMATED QUANTITY FOR C-13-3076 STAGE 3 IN A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED *William C. Dreher* LLS — CHIEF STRUCTURES DESIGN ENGINEER — 8/7/15 DATE

STRUCTURE C-13-3076 STG 1

IH 39/90 SB OVER TRIBUTARY TO SAUNDERS CREEK

COUNTY	TOWN/~~CITY/VILLAGE~~
DANE	ALBION

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MWB	DFD	MWB	DFD

LAYOUT

SHEET 1 OF 3

247

SCALE = 4

I.D. 1007-10-01AB

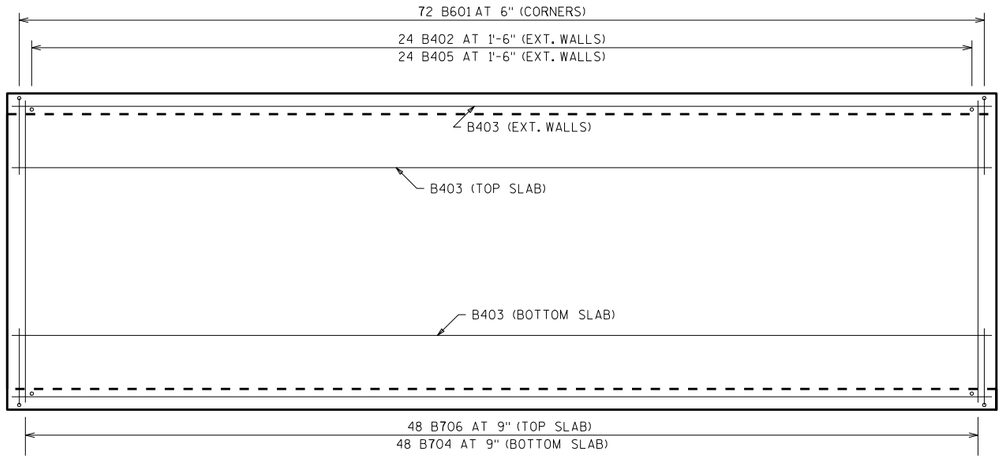
DATE: AUG. 2015

8

8

STATE PROJECT NUMBER

1007-10-78



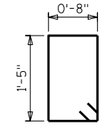
PLAN VIEW OF PANEL

CUT-OFF WALLS NOT SHOWN.

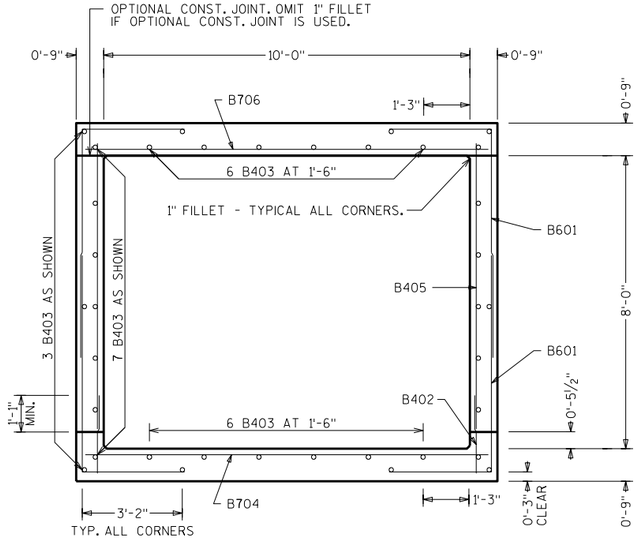
BILL OF BARS

THE FIRST OR FIRST AND SECOND DIGIT OF THE MARK SIGNIFIES THE BAR SIZE. THE DIMENSION IN THE BENT COLUMN IS THE OUT TO OUT HORIZONTAL LEG OF A "L" SHAPED BAR. LONGER BARS OF THE SAME SIZE MAY BE SUBSTITUTED FOR SHORTER BARS. PAYMENT BASED ON BAR LENGTHS AS DETAILED.

MARK	NUMBER REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B601	288	8-7	3-2	NO	CORNERS
B402	48	2-1	NO	NO	WALLS-DOWELS VERT.
B403	36	35-6	NO	NO	TOP&BOTTOM SLAB & WALL
B704	48	11-0	NO	NO	BOTTOM SLAB TRANS.
B405	48	8-0	NO	NO	WALLS VERT.
B706	48	11-0	NO	NO	TOP SLAB TRANS.
● B507	12	2-6	NO	NO	VERT. CONST. JT.
B308	4	11-0	NO	NO	TEMP. HEADER HORIZ.
B309	12	4-7	YES	NO	TEMP. HEADER STIRRUPS VERT.
B410	12	3-6	1-0	NO	INLET CUTOFF WALL VERT.
B411	12	5-6	1-0	NO	OUTLET CUTOFF WALL VERT.
B412	8	11-0	NO	NO	CUTOFF WALLS HORIZ.

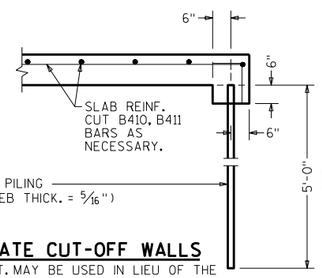


B309



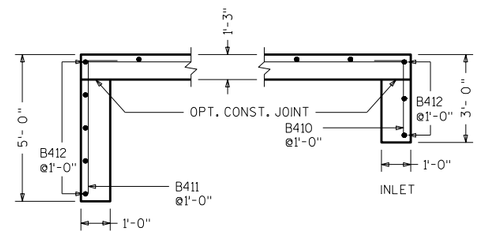
TYPICAL SECTION THRU BOX

ALL LONGITUDINAL BARS NOT LABELED ARE B403 AS SHOWN



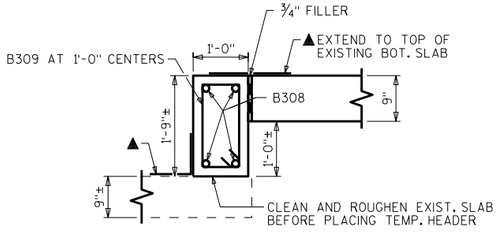
ALTERNATE CUT-OFF WALLS

THE ABOVE ALT. MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONC. CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONC. CUT-OFF WALLS.



CUT-OFF WALLS

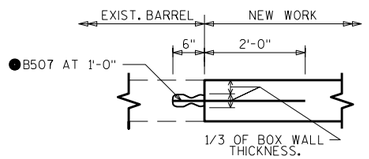
SECTION THRU THE WALLS



▲ 18" RUBBERIZED MEMBRANE WATER-PROOFING.

TEMPORARY HEADER AT CONST. JT.

HEADER TO BE REMOVED DURING STAGE 3 CONSTRUCTION, CONSTRUCTED UNDER ID 1007-11-74



VERTICAL CONSTRUCTION JOINT

TYP. EXT. WALLS

● CONCRETE MASONRY ANCHORS, TYPE S (EPOXY ANCHORED), 5/8-INCH , EMBED 6" INTO SOUND CONCRETE AND SPACE AT 1'-0" CENTERS. BARS TO BE CUT AT CONST. JT. DURING C-13-3076 STAGE 3 CONSTRUCTION, CONSTRUCTED UNDER ID 1007-11-74 (TYP. IN EXT. WALLS).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-13-3076 STG 1

DRAWN BY MWB | PLANS CK'D. DFD

BOX DETAILS

SHEET 2

248

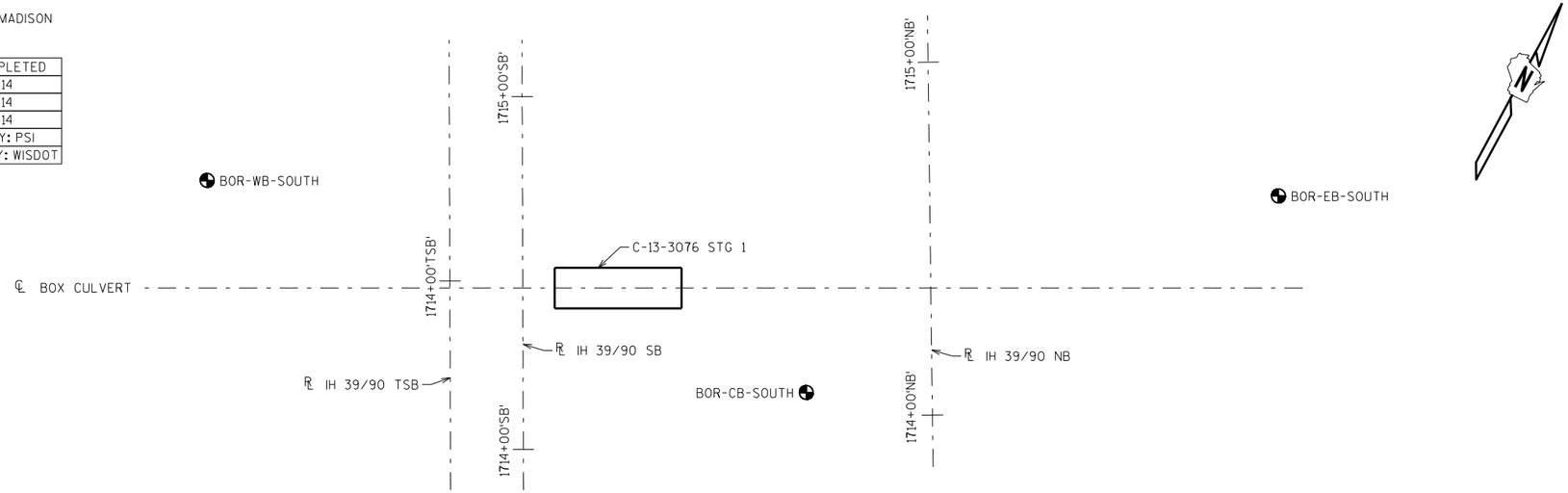
8

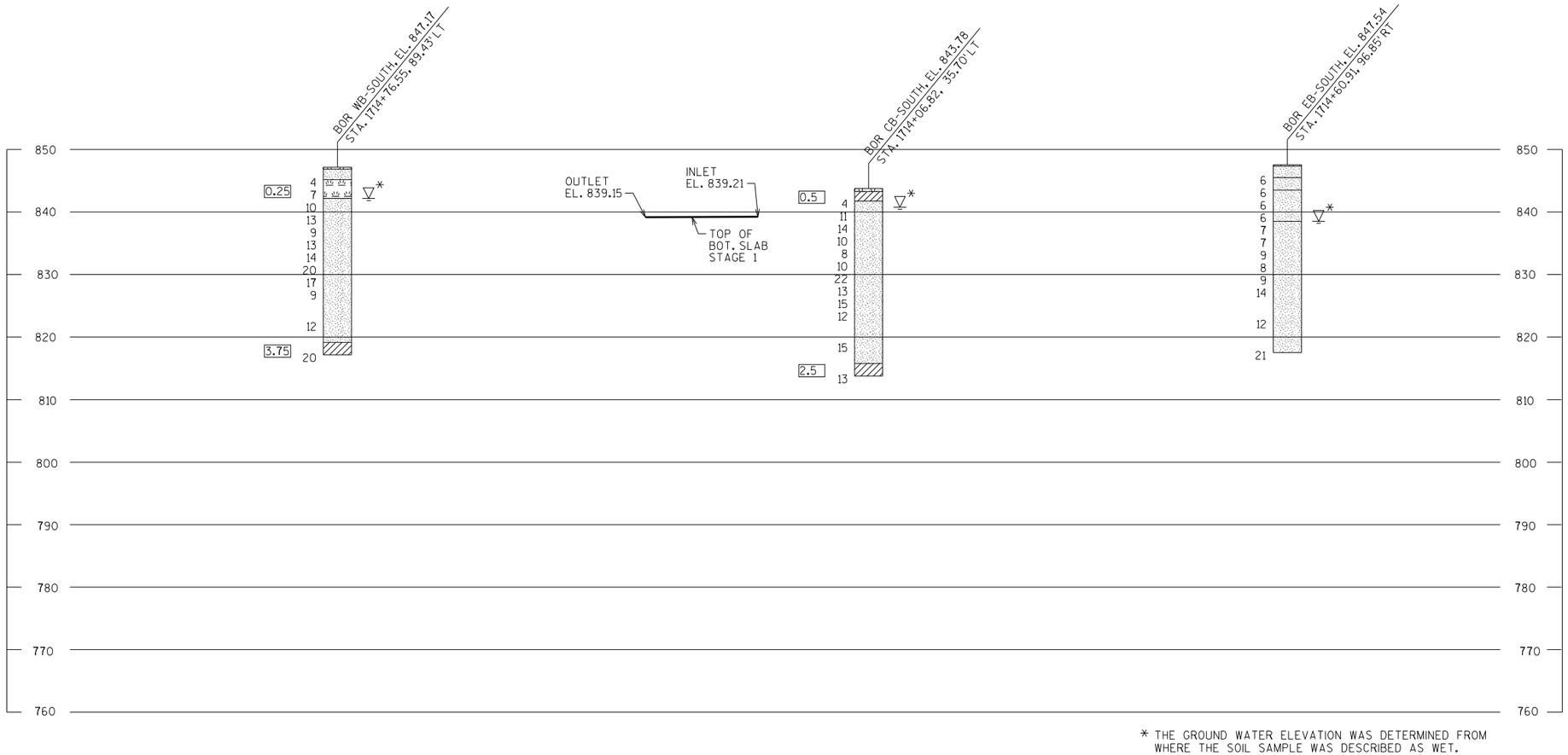
8

SCALE =

ILLINOIS STATE LINE - MADISON

BORING #	DATE COMPLETED
WB-SOUTH	3/19/14
CB-SOUTH	3/18/14
EB-SOUTH	3/19/14
BORINGS COMPLETED BY: PSI	
REPORT COMPLETED BY: WISDOT	





* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

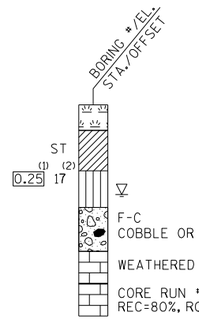
STATE PROJECT NUMBER

1007-10-78

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-13-3076 STG 1

DRAWN BY PR/MWB | PLANS CK'D. DFD

SUBSURFACE EXPLORATION

SHEET 3

249

SCALE =

STATION	Distance	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)								Select Crushed Material (TONS)
		Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Cut	Fill	Marsh	Rock	EBS	Roadway Embankment	Select Crushed Material	Mass Ordinate	
1498+00.00 'TSB'	0.00	24.25	5.88	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1498+86.70 'TSB'	86.70	23.10	7.09	0.00	0.00	0.00	0.00	76	21	0	0	0	0	76	21	0	0	0	21	0	55.00	0
1499+00.00 'TSB'	13.30	22.23	8.03	0.00	0.00	0.00	0.00	11	4	0	0	0	0	87	25	0	0	0	25	0	62.00	0
1500+00.00 'TSB'	100.00	21.41	7.32	0.00	0.00	0.00	0.00	81	28	0	0	0	0	168	53	0	0	0	53	0	115.00	0
1500+83.38 'TSB'	83.38	22.95	4.55	0.00	0.00	0.00	0.00	68	18	0	0	0	0	236	71	0	0	0	71	0	165.00	0
1501+00.00 'TSB'	16.62	22.74	4.31	0.00	0.00	0.00	0.00	14	3	0	0	0	0	250	74	0	0	0	74	0	176.00	0
1501+39.00 'TSB'	39.00	21.91	3.84	0.00	0.00	0.00	0.00	32	6	0	0	0	0	282	80	0	0	0	80	0	202.00	0
1501+60.38 'TSB'	21.38	22.30	3.32	0.00	0.00	0.00	0.00	18	3	0	0	0	0	300	83	0	0	0	83	0	217.00	0
1502+00.00 'TSB'	39.62	22.45	1.65	0.00	0.00	0.00	0.00	33	4	0	0	0	0	333	87	0	0	0	87	0	246.00	0
1502+37.38 'TSB'	37.38	21.76	4.74	0.00	0.00	0.00	0.00	31	4	0	0	0	0	364	91	0	0	0	91	0	273.00	0
1502+92.61 'TSB'	55.23	21.21	3.11	0.00	0.00	0.00	0.00	44	8	0	0	0	0	408	99	0	0	0	99	0	309.00	0
1503+00.00 'TSB'	7.39	21.31	3.44	0.00	0.00	0.00	0.00	6	1	0	0	0	0	414	100	0	0	0	100	0	314.00	0
1503+74.45 'TSB'	74.45	22.54	3.00	0.00	0.00	0.00	0.00	60	9	0	0	0	0	474	109	0	0	0	109	0	365.00	0
1504+00.00 'TSB'	25.55	21.59	5.34	0.00	0.00	0.00	0.00	21	4	0	0	0	0	495	113	0	0	0	113	0	382.00	0
1505+00.00 'TSB'	100.00	21.66	5.24	0.00	0.00	0.00	0.00	80	20	0	0	0	0	575	133	0	0	0	133	0	442.00	0
1506+00.00 'TSB'	100.00	21.36	4.82	0.00	0.00	0.00	0.00	80	19	0	0	0	0	655	152	0	0	0	152	0	503.00	0
1507+00.00 'TSB'	100.00	20.68	1.08	0.00	0.00	0.00	0.00	78	11	0	0	0	0	733	163	0	0	0	163	0	570.00	0
1508+00.00 'TSB'	100.00	20.64	2.99	0.00	0.00	0.00	0.00	77	8	0	0	0	0	810	171	0	0	0	171	0	639.00	0
1508+73.18 'TSB'	73.18	20.72	4.44	0.00	0.00	0.00	0.00	56	10	0	0	0	0	866	181	0	0	0	181	0	685.00	0
1509+00.00 'TSB'	26.82	20.45	3.76	0.00	0.00	0.00	0.00	20	4	0	0	0	0	886	185	0	0	0	185	0	701.00	0
1510+00.00 'TSB'	100.00	27.45	0.00	0.00	0.00	0.00	0.00	89	7	0	0	0	0	975	192	0	0	0	192	0	783.00	0
1511+00.00 'TSB'	100.00	27.45	0.00	0.00	0.00	0.00	0.00	102	0	0	0	0	0	1,077	192	0	0	0	192	0	885.00	0
1512+00.00 'TSB'	100.00	23.79	0.00	0.00	0.00	0.00	0.00	95	0	0	0	0	0	1,172	192	0	0	0	192	0	980.00	0
1513+00.00 'TSB'	100.00	29.07	0.00	0.00	0.00	0.00	0.00	98	0	0	0	0	0	1,270	192	0	0	0	192	0	1,078.00	0
1514+00.00 'TSB'	100.00	27.26	0.00	0.00	0.00	0.00	0.00	104	0	0	0	0	0	1,374	192	0	0	0	192	0	1,182.00	0
1515+00.00 'TSB'	100.00	27.04	0.00	0.00	0.00	0.00	0.00	101	0	0	0	0	0	1,475	192	0	0	0	192	0	1,283.00	0
1516+00.00 'TSB'	100.00	28.52	0.00	0.00	0.00	0.00	0.00	103	0	0	0	0	0	1,578	192	0	0	0	192	0	1,386.00	0
1517+00.00 'TSB'	100.00	31.73	0.00	0.00	0.00	0.00	0.00	112	0	0	0	0	0	1,690	192	0	0	0	192	0	1,498.00	0
1517+10.00 'TSB'	10.00	27.19	0.00	0.00	0.00	0.00	0.00	11	0	0	0	0	0	1,701	192	0	0	0	192	0	1,509.00	0
1518+00.00 'TSB'	90.00	24.38	0.00	0.00	0.00	0.00	0.00	86	0	0	0	0	0	1,787	192	0	0	0	192	0	1,595.00	0
1518+41.45 'TSB'	41.45	22.72	0.00	0.00	0.00	0.00	0.00	36	0	0	0	0	0	1,823	192	0	0	0	192	0	1,631.00	0
1518+65.36 'TSB'	23.91	22.85	0.00	0.00	0.00	0.00	0.00	20	0	0	0	0	0	1,843	192	0	0	0	192	0	1,651.00	0
1518+80.56 'TSB'	15.20	22.48	0.00	0.00	0.00	0.00	0.00	13	0	0	0	0	0	1,856	192	0	0	0	192	0	1,664.00	0
1519+00.00 'TSB'	19.44	23.06	0.00	0.00	0.00	0.00	0.00	16	0	0	0	0	0	1,872	192	0	0	0	192	0	1,680.00	0
1520+00.00 'TSB'	100.00	23.42	0.00	0.00	0.00	0.00	0.00	86	0	0	0	0	0	1,958	192	0	0	0	192	0	1,766.00	0
1521+00.00 'TSB'	100.00	24.42	0.00	0.00	0.00	0.00	0.00	89	0	0	0	0	0	2,047	192	0	0	0	192	0	1,855.00	0
1522+00.00 'TSB'	100.00	26.00	0.00	0.00	0.00	0.00	0.00	93	0	0	0	0	0	2,140	192	0	0	0	192	0	1,948.00	0
1522+13.50 'TSB'	13.50	26.27	0.00	0.00	0.00	0.00	0.00	13	0	0	0	0	0	2,153	192	0	0	0	192	0	1,961.00	0
1523+00.00 'TSB'	86.50	26.13	6.12	0.00	0.00	0.00	0.00	84	10	0	0	0	0	2,237	202	0	0	0	202	0	2,035.00	0
1524+00.00 'TSB'	100.00	25.15	0.41	0.00	0.00	0.00	0.00	95	12	0	0	0	0	2,332	214	0	0	0	214	0	2,118.00	0
1525+00.00 'TSB'	100.00	25.00	0.00	0.00	0.00	0.00	0.00	93	1	0	0	0	0	2,425	215	0	0	0	215	0	2,210.00	0
1526+00.00 'TSB'	100.00	29.47	0.00	0.00	0.00	0.00	0.00	101	0	0	0	0	0	2,526	215	0	0	0	215	0	2,311.00	0
1527+00.00 'TSB'	100.00	28.70	0.00	0.00	0.00	0.00	0.00	108	0	0	0	0	0	2,634	215	0	0	0	215	0	2,419.00	0
1528+00.00 'TSB'	100.00	29.25	0.00	0.00	0.00	0.00	0.00	107	0	0	0	0	0	2,741	215	0	0	0	215	0	2,526.00	0
1528+23.69 'TSB'	23.69	29.63	0.00	0.00	0.00	0.00	0.00	26	0	0	0	0	0	2,767	215	0	0	0	215	0	2,552.00	0
1530+14.29 'TSB'	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	2,767	215	0	0	0	215	0	2,552.00	0
1530+29.98 'TSB'	15.69	17.58	0.00	0.00	0.00	0.00	0.00	5	0	0	0	0	0	2,772	215	0	0	0	215	0	2,557.00	0
1530+79.75 'TSB'	49.78	17.73	0.00	0.00	0.00	0.00	0.00	33	0	0	0	0	0	2,805	215	0	0	0	215	0	2,590.00	0
1531+00.00 'TSB'	20.25	17.76	0.00	0.00	0.00	0.00	0.00	13	0	0	0	0	0	2,818	215	0	0	0	215	0	2,603.00	0
1531+79.90 'TSB'	79.90	17.91	0.00	0.00	0.00	0.00	0.00	53	0	0	0	0	0	2,871	215	0	0	0	215	0	2,656.00	0
1531+80.00 'TSB'	0.10	17.91	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	2,871	215	0	0	0	215	0	2,656.00	0
1532+00.00 'TSB'	20.00	17.96	0.00	0.00	0.00	0.00	0.00	13	0	0	0	0	0	2,884	215	0	0	0	215	0	2,669.00	0
1533+00.00 'TSB'	100.00	18.13	0.00	0.00	0.00	0.00	0.00	67	0	0	0	0	0	2,951	215	0	0	0	215	0	2,736.00	0
1533+31.29 'TSB'	31.29	18.05	0.00	0.00	0.00	0.00	0.00	21	0	0	0	0	0	2,972	215	0	0	0	215	0	2,757.00	0
1533+57.95 'TSB'	26.66	18.18	0.00	0.00	0.00	0.00	0.00	18	0	0	0	0	0	2,990	215	0	0	0	215	0	2,775.00	0
1534+00.00 'TSB'	42.05	18.39	0.00	0.00	0.00	0.00	0.00	28	0	0	0	0	0	3,018	215	0	0	0	215	0	2,803.00	0
1534+11.29 'TSB'	11.29	18.16	0.00	0.00	0.00	0.00	0.00	8	0	0	0	0	0	3,026	215	0	0	0	215	0	2,811.00	0
1534+91.29 'TSB'	80.00	18.22	0.00	0.00	0.00	0.00	0.00	54	0	0	0	0	0	3,080	215	0	0	0	215	0	2,865.00	0
1535+00.00 'TSB'	8.71	18.25	0.00	0.00	0.00	0.00	0.00	6	0	0	0	0	0	3,086	215	0	0	0	215	0	2,871.00	0
1535+05.00 'TSB'	5.00	33.31	0.00	0.00	0.00	0.00	0.00	5	0	0	0	0	0	3,091	215	0	0	0	215	0	2,876.00	0
1536+00.00 'TSB'	95.00	59.60	0.00	0.00	0.00	0.00	0.00	163	0	0	0	0	0	3,254	215	0	0	0	215	0	3,039.00	0
1537+00.00 'TSB'	100.00	30.00	0.00	0.00	0.00	0.00	0.00	166	0	0	0	0	0	3,420	215	0	0	0	215	0	3,205.00	0

STATION	Distance	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)								Select Crushed Material (TONS)
		Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Cut	Fill	Marsh	Rock	EBS	Roadway Embankment	Select Crushed Material	Mass Ordinate	
1538+00.00 'TSB'	100.00	25.42	0.05	0.00	0.00	0.00	0.00	103	0	0	0	0	0	3,523	215	0	0	0	215	0	3,308.00	0
1539+00.00 'TSB'	100.00	24.28	0.61	0.00	0.00	0.00	0.00	92	1	0	0	0	0	3,615	216	0	0	0	216	0	3,399.00	0
1540+00.00 'TSB'	100.00	24.63	0.28	0.00	0.00	0.00	0.00	91	2	0	0	0	0	3,706	218	0	0	0	218	0	3,488.00	0
1540+27.78 'TSB'	27.78	24.18	0.38	0.00	0.00	0.00	0.00	25	0	0	0	0	0	3,731	218	0	0	0	218	0	3,513.00	0
1540+73.39 'TSB'	45.61	23.38	1.55	0.00	0.00	0.00	0.00	40	2	0	0	0	0	3,771	220	0	0	0	220	0	3,551.00	0
1541+00.00 'TSB'	26.61	23.09	0.06	0.00	0.00	0.00	0.00	23	1	0	0	0	0	3,794	221	0	0	0	221	0	3,573.00	0
1542+00.00 'TSB'	100.00	27.65	0.00	0.00	0.00	0.00	0.00	94	0	0	0	0	0	3,888	221	0	0	0	221	0	3,667.00	0
1543+00.00 'TSB'	100.00	26.28	0.00	0.00	0.00	0.00	0.00	100	0	0	0	0	0	3,988	221	0	0	0	221	0	3,767.00	0
1544+00.00 'TSB'	100.00	27.50	0.00	0.00	0.00	0.00	0.00	100	0	0	0	0	0	4,088	221	0	0	0	221	0	3,867.00	0
1545+00.00 'TSB'	100.00	29.88	0.00	0.00	0.00	0.00	0.00	106	0	0	0	0	0	4,194	221	0	0	0	221	0	3,973.00	0
1546+00.00 'TSB'	100.00	27.54	0.00	0.00	0.00	0.00	0.00	106	0	0	0	0	0	4,300	221	0	0	0	221	0	4,079.00	0
1547+00.00 'TSB'	100.00	27.35	0.00	0.00	0.00	0.00	0.00	102	0	0	0	0	0	4,402	221	0	0	0	221	0	4,181.00	0
1548+00.00 'TSB'	100.00	23.82	0.47	0.00	0.00	0.00	0.00	95	1	0	0	0	0	4,497	222	0	0	0	222	0	4,275.00	0
1549+00.00 'TSB'	100.00	25.20	0.00	0.00	0.00	0.00	0.00	91	1	0	0	0	0	4,588	223	0	0	0	223	0	4,365.00	0
1550+00.00 'TSB'	100.00	25.64	0.00	0.00	0.00	0.00	0.00	94	0	0	0	0	0	4,682	223	0	0	0	223	0	4,459.00	0
1551+00.00 'TSB'	100.00	26.19	0.00	0.00	0.00	0.00	0.00	96	0	0	0	0	0	4,778	223	0	0	0	223	0	4,555.00	0
1552+00.00 'TSB'	100.00	25.35	0.00	0.00	0.00	0.00	0.00	95	0	0	0	0	0	4,873	223	0	0	0	223	0	4,650.00	0
1553+00.00 'TSB'	100.00	23.03	0.52	0.00	0.00	0.00	0.00	90	1	0	0	0	0	4,963	224	0	0	0	224	0	4,739.00	0
1554+00.00 'TSB'	100.00	22.85	0.34	0.00	0.00	0.00	0.00	85	2	0	0	0	0	5,048	226	0	0	0	226	0	4,822.00	0
1555+00.00 'TSB'	100.00	17.66	0.00	0.00	0.00	0.00	0.00	75	1	0	0	0	0	5,123	227	0	0	0	227	0	4,896.00	0
1555+82.39 'TSB'	82.39	15.67	0.00	0.00	0.00	0.00	0.00	51	0	0	0	0	0	5,174	227	0	0	0	227	0	4,947.00	0
1556+00.00 'TSB'	17.61	15.65	0.00	0.00	0.00	0.00	0.00	10	0	0	0	0	0	5,184	227	0	0	0	227	0	4,957.00	0
1557+00.00 'TSB'	100.00	15.23	0.00	0.00	0.00	0.00	0.00	57	0	0	0	0	0	5,241	227	0	0	0	227	0	5,014.00	0
1558+00.00 'TSB'	100.00	17.68	0.00	0.00	0.00	0.00	0.00	61	0	0	0	0	0	5,302	227	0	0	0	227	0	5,075.00	0
1559+00.00 'TSB'	100.00	30.84	0.00	0.00	0.00	0.00	0.00	90	0	0	0	0	0	5,392	227	0	0	0	227	0	5,165.00	0
1560+00.00 'TSB'	100.00	32.61	0.00	0.00	0.00	0.00	0.00	118	0	0	0	0	0	5,510	227	0	0	0	227	0	5,283.00	0
1561+00.00 'TSB'	100.00	26.38	0.00	0.00	0.00	0.00	0.00	109	0	0	0	0	0	5,619	227	0	0	0	227	0	5,392.00	0
1562+00.00 'TSB'	100.00	26.45	0.00	0.00	0.00	0.00	0.00	98	0	0	0	0	0	5,717	227	0	0	0	227	0	5,490.00	0
1563+00.00 'TSB'	100.00	22.63	0.00	0.00	0.00	0.00	0.00	91	0	0	0	0	0	5,808	227	0	0	0	227	0	5,581.00	0
1564+00.00 'TSB'	100.00	23.00	0.00	0.00	0.00	0.00	0.00	85	0	0	0	0	0	5,893	227	0	0	0	227	0	5,666.00	0
1565+00.00 'TSB'	100.00	21.36	0.69	0.00	0.00	0.00	0.00	82	1	0	0	0	0	5,975	228	0	0	0	228	0	5,747.00	0
1565+88.82 'TSB'	88.82	21.10	0.16	0.00	0.00	0.00	0.00	70	1	0	0	0	0	6,045	229	0	0	0	229	0	5,816.00	0
1566+00.00 'TSB'	11.18	20.87	0.16	0.00	0.00	0.00	0.00	9	0	0	0	0	0	6,054	229	0	0	0	229	0	5,825.00	0
1566+55.11 'TSB'	55.11	20.22	18.28	0.00	0.00	0.00	0.00	42	19	0	0	0	0	6,096	248	0	0	0	248	0	5,848.00	0
1566+62.56 'TSB'	7.45	20.52	26.10	0.00	0.00	0.00	0.00	6	6	0	0	0	0	6,102	254	0	0	0	254	0	5,848.00	0
1567+00.00 'TSB'	37.44	22.10	0.00	0.00	0.00	0.00	0.00	30	18	0	0	0	0	6,132	272	0	0	0	272	0	5,860.00	0
1567+29.86 'TSB'	29.86	22.28	0.00	0.00	0.00	0.00	0.00	25	0	0	0	0	0	6,157	272	0	0	0	272	0	5,885.00	0
1568+00.00 'TSB'	70.14	25.06	0.00	0.00	0.00	0.00	0.00	61	0	0	0	0	0	6,218	272	0	0	0	272	0	5,946.00	0
1569+00.00 'TSB'	100.00	34.40	0.00	0.00	0.00	0.00	0.00	110	0	0	0	0	0	6,328	272	0	0	0	272	0	6,056.00	0
1569+63.00 'TSB'	63.00	33.91	0.00	0.00	0.00	0.00	0.00	80	0	0	0	0	0	6,408	272	0	0	0	272	0	6,136.00	0
1569+85.36 'TSB'	22.36	32.57	0.00	0.00	0.00	0.00	0.00	28	0	0	0	0	0	6,436	272	0	0	0	272	0	6,164.00	0
1570+00.00 'TSB'	14.64	32.46	0.00	0.00	0.00	0.00	0.00	18	0	0	0	0	0	6,454	272	0	0	0	272	0	6,182.00	0
1570+52.53 'TSB'	52.53	35.92	0.00	0.00	0.00	0.00	0.00	67	0	0	0	0	0	6,521	272	0	0	0	272	0	6,249.00	0
1571+00.00 'TSB'	47.47	44.29	0.00	0.00	0.00	0.00	0.00	71	0	0	0	0	0	6,592	272	0	0	0	272	0	6,320.00	0
1571+85.37 'TSB'	85.37	45.45	0.00	0.00	0.00	0.00	0.00	142	0	0	0	0	0	6,734	272	0	0	0	272	0	6,462.00	0
1572+00.00 'TSB'	14.63	45.17	0.00	0.00	0.00	0.00	0.00	25	0	0	0	0	0	6,759	272	0	0	0	272	0	6,487.00	0
1573+00.00 'TSB'	100.00	27.45	0.00	0.00	0.00	0.00	0.00	134	0	0	0	0	0	6,893	272	0	0	0	272	0	6,621.00	0
1573+90.50 'TSB'	90.50	25.79	0.00	0.00	0.00	0.00	0.00	89	0	0	0	0	0	6,982	272	0	0	0	272	0	6,710.00	0
1574+00.00 'TSB'	9.50	25.86	0.00	0.00	0.00	0.00	0.00	9	0	0	0	0	0	6,991	272	0	0	0	272	0	6,719.00	0
1575+00.00 'TSB'	100.00	26.98	0.00	0.00	0.00	0.00	0.00	98	0	0	0	0	0	7,089	272	0	0	0	272	0	6,817.00	0
1575+32.00 'TSB'	32.00	25.82	0.00	0.00	0.00	0.00	0.00	31	0	0	0	0	0	7,120	272	0	0	0	272	0	6,848.00	0
1575+88.51 'TSB'	56.50	27.61	0.00	0.00	0.00	0.00	0.00	56	0	0	0	0	0	7,176	272	0	0	0	272	0	6,904.00	0
1576+00.00 'TSB'	11.49	27.76	0.00	0.00	0.00	0.00	0.00	12	0	0	0	0	0	7,188	272	0	0	0	272	0	6,916.00	0
1576+62.27 'TSB'	62.27	29.87	0.00	0.00	0.00	0.00	0.00	66	0	0	0	0	0	7,254	272	0	0	0	272	0	6,982.00	0
1576+70.83 'TSB'	8.55	30.16	0.00	0.00	0.00	0.00	0.00	10	0	0	0	0	0	7,264	272	0	0	0	272	0	6,992.00	0
1577+00.00 'TSB'	29.17	29.19	0.00	0.00	0.00	0.00	0.00	32	0	0	0	0	0	7,296	272	0	0	0	272	0	7,024.00	0
1578+00.00 'TSB'	100.00	26.28	0.00	0.00	0.00	0.00	0.00	103	0	0	0	0	0	7,399	272	0	0	0	272	0	7,127.00	0
1578+71.22 'TSB'	71.22	22.62	0.01	0.00	0.00	0.00	0.00	65	0	0	0	0	0	7,464	272	0	0	0	272	0	7,192.00	0
1578+76.11 'TSB'	4.88	22.43	0.08	0.00	0.00	0.00	0.00	4	0	0	0	0	0	7,468	272	0	0	0	272	0	7,196.00	0
1579+00.00 'TSB'	23.89	24.39	0.00	0.00	0.00	0.00	0.00	21	0	0	0	0	0	7,489	272	0	0	0	272	0	7,217.00	0
1580+00.00 'TSB'	100.00	20.75	2.53	0.00	0.00	0.00	0.00	84	5	0	0	0	0	7,573	277	0	0	0	277	0	7,296.00	0
1580+96.12 'TSB'	96.12	27.46	0.00	0.00	0.00	0.00	0.00	86	5	0	0	0	0	7,659	282	0	0	0	282	0	7,377.00	0

STATION	Distance	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)								Select Crushed Material (TONS)
		Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Cut	Fill	Marsh	Rock	EBS	Roadway Embankment	Select Crushed Material	Mass Ordinate	
1581+00.00 'TSB'	3.88	0.00	0.00	0.00	0.00	0.00	0.00	2	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1582+00.00 'TSB'	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1583+00.00 'TSB'	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1584+00.00 'TSB'	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1585+00.00 'TSB'	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1586+00.00 'TSB'	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1586+78.35 'TSB'	78.35	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1587+00.00 'TSB'	21.65	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1588+00.00 'TSB'	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1589+00.00 'TSB'	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1590+00.00 'TSB'	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1590+52.49 'TSB'	52.49	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1591+00.00 'TSB'	47.51	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1592+00.00 'TSB'	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1592+91.82 'TSB'	91.82	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1593+00.00 'TSB'	8.18	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1593+16.28 'TSB'	16.28	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1593+40.30 'TSB'	24.02	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1594+00.00 'TSB'	59.70	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1595+00.00 'TSB'	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1596+00.00 'TSB'	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1596+12.89 'TSB'	0.00	21.05	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	7,661	282	0	0	0	282	0	7,379.00	0
1597+00.00 'TSB'	87.11	24.46	0.00	0.00	0.00	0.00	0.00	73	0	0	0	0	0	7,734	282	0	0	0	282	0	7,452.00	0
1598+00.00 'TSB'	100.00	24.27	1.74	0.00	0.00	0.00	0.00	90	3	0	0	0	0	7,824	285	0	0	0	285	0	7,539.00	0
1599+00.00 'TSB'	100.00	23.99	2.68	0.00	0.00	0.00	0.00	89	8	0	0	0	0	7,913	293	0	0	0	293	0	7,620.00	0
1600+00.00 'TSB'	100.00	24.14	4.15	0.00	0.00	0.00	0.00	89	13	0	0	0	0	8,002	306	0	0	0	306	0	7,696.00	0
1600+80.73 'TSB'	80.73	23.69	1.55	0.00	0.00	0.00	0.00	72	9	0	0	0	0	8,074	315	0	0	0	315	0	7,759.00	0
1601+00.00 'TSB'	19.27	23.66	0.79	0.00	0.00	0.00	0.00	17	1	0	0	0	0	8,091	316	0	0	0	316	0	7,775.00	0
1602+00.00 'TSB'	100.00	23.22	6.63	0.00	0.00	0.00	0.00	87	14	0	0	0	0	8,178	330	0	0	0	330	0	7,848.00	0
1603+00.00 'TSB'	100.00	26.19	0.00	0.00	0.00	0.00	0.00	91	12	0	0	0	0	8,269	342	0	0	0	342	0	7,927.00	0
1603+41.12 'TSB'	41.12	25.50	0.00	0.00	0.00	0.00	0.00	39	0	0	0	0	0	8,308	342	0	0	0	342	0	7,966.00	0
1604+00.00 'TSB'	58.88	25.10	0.00	0.00	0.00	0.00	0.00	55	0	0	0	0	0	8,363	342	0	0	0	342	0	8,021.00	0
1604+73.29 'TSB'	73.29	25.82	0.00	0.00	0.00	0.00	0.00	69	0	0	0	0	0	8,432	342	0	0	0	342	0	8,090.00	0
1605+00.00 'TSB'	26.71	28.11	0.00	0.00	0.00	0.00	0.00	27	0	0	0	0	0	8,459	342	0	0	0	342	0	8,117.00	0
1606+00.00 'TSB'	100.00	26.94	0.00	0.00	0.00	0.00	0.00	102	0	0	0	0	0	8,561	342	0	0	0	342	0	8,219.00	0
1607+00.00 'TSB'	100.00	25.06	0.00	0.00	0.00	0.00	0.00	96	0	0	0	0	0	8,657	342	0	0	0	342	0	8,315.00	0
1608+00.00 'TSB'	100.00	29.41	0.00	0.00	0.00	0.00	0.00	101	0	0	0	0	0	8,758	342	0	0	0	342	0	8,416.00	0
1608+90.23 'TSB'	90.23	27.65	0.00	0.00	0.00	0.00	0.00	95	0	0	0	0	0	8,853	342	0	0	0	342	0	8,511.00	0
1609+00.00 'TSB'	9.77	27.94	0.00	0.00	0.00	0.00	0.00	10	0	0	0	0	0	8,863	342	0	0	0	342	0	8,521.00	0
1609+23.28 'TSB'	23.28	30.20	0.00	0.00	0.00	0.00	0.00	25	0	0	0	0	0	8,888	342	0	0	0	342	0	8,546.00	0
1609+38.27 'TSB'	14.99	31.00	0.00	0.00	0.00	0.00	0.00	17	0	0	0	0	0	8,905	342	0	0	0	342	0	8,563.00	0
1609+44.27 'TSB'	6.00	30.91	0.00	0.00	0.00	0.00	0.00	7	0	0	0	0	0	8,912	342	0	0	0	342	0	8,570.00	0
1610+00.00 'TSB'	55.73	34.76	0.00	0.00	0.00	0.00	0.00	68	0	0	0	0	0	8,980	342	0	0	0	342	0	8,638.00	0
1610+41.12 'TSB'	41.12	38.19	0.00	0.00	0.00	0.00	0.00	56	0	0	0	0	0	9,036	342	0	0	0	342	0	8,694.00	0
1611+00.00 'TSB'	58.88	40.27	0.00	0.00	0.00	0.00	0.00	86	0	0	0	0	0	9,122	342	0	0	0	342	0	8,780.00	0
1612+00.00 'TSB'	100.00	17.55	0.00	0.00	0.00	0.00	0.00	107	0	0	0	0	0	9,229	342	0	0	0	342	0	8,887.00	0
1612+50.00 'TSB'	50.00	17.55	0.00	0.00	0.00	0.00	0.00	32	0	0	0	0	0	9,261	342	0	0	0	342	0	8,919.00	0
1613+00.00 'TSB'	50.00	17.52	0.00	0.00	0.00	0.00	0.00	32	0	0	0	0	0	9,293	342	0	0	0	342	0	8,951.00	0
1614+00.00 'TSB'	100.00	18.78	0.00	0.00	0.00	0.00	0.00	67	0	0	0	0	0	9,360	342	0	0	0	342	0	9,018.00	0
1615+00.00 'TSB'	100.00	23.31	0.00	0.00	0.00	0.00	0.00	78	0	0	0	0	0	9,438	342	0	0	0	342	0	9,096.00	0
1615+63.49 'TSB'	63.49	23.55	0.00	0.00	0.00	0.00	0.00	55	0	0	0	0	0	9,493	342	0	0	0	342	0	9,151.00	0
1616+00.00 'TSB'	36.51	22.91	0.00	0.00	0.00	0.00	0.00	31	0	0	0	0	0	9,524	342	0	0	0	342	0	9,182.00	0
1617+00.00 'TSB'	100.00	25.21	0.00	0.00	0.00	0.00	0.00	89	0	0	0	0	0	9,613	342	0	0	0	342	0	9,271.00	0
1618+00.00 'TSB'	100.00	26.51	0.00	0.00	0.00	0.00	0.00	96	0	0	0	0	0	9,709	342	0	0	0	342	0	9,367.00	0
1619+00.00 'TSB'	100.00	26.31	0.00	0.00	0.00	0.00	0.00	98	0	0	0	0	0	9,807	342	0	0	0	342	0	9,465.00	0
1620+00.00 'TSB'	100.00	27.59	0.00	0.00	0.00	0.00	0.00	100	0	0	0	0	0	9,907	342	0	0	0	342	0	9,565.00	0
1620+69.01 'TSB'	69.01	20.84	0.00	0.00	0.00	0.00	0.00	62	0	0	0	0	0	9,969	342	0	0	0	342	0	9,627.00	0
1620+72.19 'TSB'	3.18	20.54	0.00	0.00	0.00	0.00	0.00	2	0	0	0	0	0	9,971	342	0	0	0	342	0	9,629.00	0
1620+74.94 'TSB'	2.75	20.50	0.00	0.00	0.00	0.00	0.00	2	0	0	0	0	0	9,973	342	0	0	0	342	0	9,631.00	0
1621+00.00 'TSB'	25.06	23.37	0.00	0.00	0.00	0.00	0.00	20	0	0	0	0	0	9,993	342	0	0	0	342	0	9,651.00	0
1622+00.00 'TSB'	100.00	17.92	0.00	0.00	0.00	0.00	0.00	76	0	0	0	0	0	10,069	342	0	0	0	342	0	9,727.00	0
1623+00.00 'TSB'	100.00	24.41	0.00	0.00	0.00	0.00	0.00	78	0	0	0	0	0	10,147	342	0	0	0	342	0	9,805.00	0

STATION	Distance	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)								Select Crushed Material (TONS)
		Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Cut	Fill	Marsh	Rock	EBS	Roadway Embankment	Select Crushed Material	Mass Ordinate	
1624+00.00 'TSB'	100.00	28.47	0.04	0.00	0.00	0.00	0.00	98	0	0	0	0	0	10,245	342	0	0	0	342	0	9,903.00	0
1625+00.00 'TSB'	100.00	31.27	0.00	0.00	0.00	0.00	0.00	111	0	0	0	0	0	10,356	342	0	0	0	342	0	10,014.00	0
1626+00.00 'TSB'	100.00	27.37	0.10	0.00	0.00	0.00	0.00	109	0	0	0	0	0	10,465	342	0	0	0	342	0	10,123.00	0
1627+00.00 'TSB'	100.00	28.73	0.02	0.00	0.00	0.00	0.00	104	0	0	0	0	0	10,569	342	0	0	0	342	0	10,227.00	0
1628+00.00 'TSB'	100.00	19.10	0.00	0.00	0.00	0.00	0.00	89	0	0	0	0	0	10,658	342	0	0	0	342	0	10,316.00	0
1629+00.00 'TSB'	100.00	19.05	0.00	0.00	0.00	0.00	0.00	71	0	0	0	0	0	10,729	342	0	0	0	342	0	10,387.00	0
1629+31.58 'TSB'	31.58	18.63	0.00	0.00	0.00	0.00	0.00	22	0	0	0	0	0	10,751	342	0	0	0	342	0	10,409.00	0
1639+30.87 'TSB'	0.00	25.55	9.33	0.00	0.00	0.00	0.00	0	0	0	0	0	0	10,751	342	0	0	0	342	0	10,409.00	0
1640+00.00 'TSB'	69.13	23.29	4.29	0.00	0.00	0.00	0.00	63	17	0	0	0	0	10,814	359	0	0	0	359	0	10,455.00	0
1641+00.00 'TSB'	100.00	27.06	0.00	0.00	0.00	0.00	0.00	93	8	0	0	0	0	10,907	367	0	0	0	367	0	10,540.00	0
1641+51.12 'TSB'	51.12	27.72	0.00	0.00	0.00	0.00	0.00	52	0	0	0	0	0	10,959	367	0	0	0	367	0	10,592.00	0
1641+73.55 'TSB'	22.43	29.06	0.00	0.00	0.00	0.00	0.00	24	0	0	0	0	0	10,983	367	0	0	0	367	0	10,616.00	0
1641+83.00 'TSB'	9.45	30.82	0.00	0.00	0.00	0.00	0.00	10	0	0	0	0	0	10,993	367	0	0	0	367	0	10,626.00	0
1642+00.00 'TSB'	17.00	27.55	0.00	0.00	0.00	0.00	0.00	18	0	0	0	0	0	11,011	367	0	0	0	367	0	10,644.00	0
1643+00.00 'TSB'	100.00	24.43	0.00	0.00	0.00	0.00	0.00	96	0	0	0	0	0	11,107	367	0	0	0	367	0	10,740.00	0
1643+25.00 'TSB'	25.00	23.15	0.00	0.00	0.00	0.00	0.00	22	0	0	0	0	0	11,129	367	0	0	0	367	0	10,762.00	0
1644+00.00 'TSB'	75.00	24.28	0.00	0.00	0.00	0.00	0.00	66	0	0	0	0	0	11,195	367	0	0	0	367	0	10,828.00	0
1645+00.00 'TSB'	100.00	26.21	0.00	0.00	0.00	0.00	0.00	94	0	0	0	0	0	11,289	367	0	0	0	367	0	10,922.00	0
1646+00.00 'TSB'	100.00	30.30	0.00	0.00	0.00	0.00	0.00	105	0	0	0	0	0	11,394	367	0	0	0	367	0	11,027.00	0
1647+00.00 'TSB'	100.00	35.15	0.00	0.00	0.00	0.00	0.00	121	0	0	0	0	0	11,515	367	0	0	0	367	0	11,148.00	0
1647+45.00 'TSB'	45.00	47.00	0.00	0.00	0.00	0.00	0.00	68	0	0	0	0	0	11,583	367	0	0	0	367	0	11,216.00	0
1648+00.00 'TSB'	55.00	51.31	0.00	0.00	0.00	0.00	0.00	100	0	0	0	0	0	11,683	367	0	0	0	367	0	11,316.00	0
1649+00.00 'TSB'	100.00	31.60	0.00	0.00	0.00	0.00	0.00	154	0	0	0	0	0	11,837	367	0	0	0	367	0	11,470.00	0
1650+00.00 'TSB'	100.00	25.83	0.00	0.00	0.00	0.00	0.00	106	0	0	0	0	0	11,943	367	0	0	0	367	0	11,576.00	0
1651+00.00 'TSB'	100.00	29.11	0.00	0.00	0.00	0.00	0.00	102	0	0	0	0	0	12,045	367	0	0	0	367	0	11,678.00	0
1652+00.00 'TSB'	100.00	31.84	0.00	0.00	0.00	0.00	0.00	113	0	0	0	0	0	12,158	367	0	0	0	367	0	11,791.00	0
1652+37.91 'TSB'	37.91	33.33	0.00	0.00	0.00	0.00	0.00	46	0	0	0	0	0	12,204	367	0	0	0	367	0	11,837.00	0
1653+00.00 'TSB'	62.09	0.00	0.00	0.00	0.00	0.00	0.00	38	0	0	0	0	0	12,242	367	0	0	0	367	0	11,875.00	0
1658+00.00 'TSB'	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	12,242	367	0	0	0	367	0	11,875.00	0
1659+00.00 'TSB'	100.00	25.63	16.39	0.00	0.00	0.00	0.00	47	30	0	0	0	0	12,289	397	0	0	0	397	0	11,892.00	0
1660+00.00 'TSB'	100.00	24.23	18.51	0.00	0.00	0.00	0.00	92	65	0	0	0	0	12,381	462	0	0	0	462	0	11,919.00	0
1660+73.84 'TSB'	73.84	23.00	28.33	0.00	0.00	0.00	0.00	65	64	0	0	0	0	12,446	526	0	0	0	526	0	11,920.00	0
1661+00.00 'TSB'	26.16	22.18	28.24	0.00	0.00	0.00	0.00	22	27	0	0	0	0	12,468	553	0	0	0	553	0	11,915.00	0
1661+73.80 'TSB'	73.80	22.17	74.68	0.00	0.00	0.00	0.00	61	141	0	0	0	0	12,529	694	0	0	0	694	0	11,835.00	0
1661+81.11 'TSB'	7.31	22.15	88.99	0.00	0.00	0.00	0.00	6	22	0	0	0	0	12,535	716	0	0	0	716	0	11,819.00	0
1662+00.00 'TSB'	18.89	23.56	8.39	0.00	0.00	0.00	0.00	16	34	0	0	0	0	12,551	750	0	0	0	750	0	11,801.00	0
1662+23.45 'TSB'	23.45	24.06	9.82	0.00	0.00	0.00	0.00	21	8	0	0	0	0	12,572	758	0	0	0	758	0	11,814.00	0
1662+29.12 'TSB'	5.67	24.17	10.68	0.00	0.00	0.00	0.00	5	2	0	0	0	0	12,577	760	0	0	0	760	0	11,817.00	0
1663+00.00 'TSB'	70.88	23.89	7.18	0.00	0.00	0.00	0.00	63	23	0	0	0	0	12,640	783	0	0	0	783	0	11,857.00	0
1664+00.00 'TSB'	100.00	24.18	2.92	0.00	0.00	0.00	0.00	89	19	0	0	0	0	12,729	802	0	0	0	802	0	11,927.00	0
1665+00.00 'TSB'	100.00	26.04	1.44	0.00	0.00	0.00	0.00	93	8	0	0	0	0	12,822	810	0	0	0	810	0	12,012.00	0
1666+00.00 'TSB'	100.00	24.92	0.15	0.00	0.00	0.00	0.00	94	3	0	0	0	0	12,916	813	0	0	0	813	0	12,103.00	0
1667+00.00 'TSB'	100.00	26.66	0.00	0.00	0.00	0.00	0.00	96	0	0	0	0	0	13,012	813	0	0	0	813	0	12,199.00	0
1667+51.12 'TSB'	51.12	25.41	0.00	0.00	0.00	0.00	0.00	49	0	0	0	0	0	13,061	813	0	0	0	813	0	12,248.00	0
1668+00.00 'TSB'	48.88	23.32	0.32	0.00	0.00	0.00	0.00	44	0	0	0	0	0	13,105	813	0	0	0	813	0	12,292.00	0
1668+74.12 'TSB'	74.12	22.62	4.37	0.00	0.00	0.00	0.00	63	6	0	0	0	0	13,168	819	0	0	0	819	0	12,349.00	0
1669+00.00 'TSB'	25.88	22.89	2.39	0.00	0.00	0.00	0.00	22	3	0	0	0	0	13,190	822	0	0	0	822	0	12,368.00	0
1669+76.12 'TSB'	76.12	22.79	0.31	0.00	0.00	0.00	0.00	64	4	0	0	0	0	13,254	826	0	0	0	826	0	12,428.00	0
1670+00.00 'TSB'	23.88	22.44	0.82	0.00	0.00	0.00	0.00	20	0	0	0	0	0	13,274	826	0	0	0	826	0	12,448.00	0
1671+00.00 'TSB'	100.00	22.10	1.24	0.00	0.00	0.00	0.00	82	4	0	0	0	0	13,356	830	0	0	0	830	0	12,526.00	0
1672+00.00 'TSB'	100.00	26.00	0.00	0.00	0.00	0.00	0.00	89	2	0	0	0	0	13,445	832	0	0	0	832	0	12,613.00	0
1673+00.00 'TSB'	100.00	26.01	0.00	0.00	0.00	0.00	0.00	96	0	0	0	0	0	13,541	832	0	0	0	832	0	12,709.00	0
1674+00.00 'TSB'	100.00	25.27	0.00	0.00	0.00	0.00	0.00	95	0	0	0	0	0	13,636	832	0	0	0	832	0	12,804.00	0
1675+00.00 'TSB'	100.00	28.09	0.00	0.00	0.00	0.00	0.00	99	0	0	0	0	0	13,735	832	0	0	0	832	0	12,903.00	0
1676+00.00 'TSB'	100.00	28.95	0.00	0.00	0.00	0.00	0.00	106	0	0	0	0	0	13,841	832	0	0	0	832	0	13,009.00	0
1676+71.59 'TSB'	71.59	28.40	0.00	0.00	0.00	0.00	0.00	76	0	0	0	0	0	13,917	832	0	0	0	832	0	13,085.00	0
1677+00.00 'TSB'	28.41	29.61	0.00	0.00	0.00	0.00	0.00	31	0	0	0	0	0	13,948	832	0	0	0	832	0	13,116.00	0
1678+00.00 'TSB'	100.00	27.93	0.00	0.00	0.00	0.00	0.00	107	0	0	0	0	0	14,055	832	0	0	0	832	0	13,223.00	0
1679+00.00 'TSB'	100.00	26.85	0.00	0.00	0.00	0.00	0.00	101	0	0	0	0	0	14,156	832	0	0	0	832	0	13,324.00	0
1679+34.60 'TSB'	34.60	24.46	18.32	0.00	0.00	0.00	0.00	33	12	0	0	0	0	14,189	844	0	0	0	844	0	13,345.00	0
1679+92.25 'TSB'	0.00	15.66	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	14,189	844	0	0	0	844	0	13,345.00	0
1680+00.00 'TSB'	7.75	15.62	0.00	0.00	0.00	0.00	0.00	4	0	0	0	0	0	14,193	844	0	0	0	844	0	13,349.00	0

STATION	Distance	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)								Select Crushed Material (TONS)
		Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Cut	Fill	Marsh	Rock	EBS	Roadway Embankment	Select Crushed Material	Mass Ordinate	
1681+00.00 'TSB'	100.00	15.15	0.00	0.00	0.00	0.00	0.00	57	0	0	0	0	0	14,250	844	0	0	0	844	0	13,406.00	0
1682+00.00 'TSB'	100.00	15.13	0.00	0.00	0.00	0.00	0.00	56	0	0	0	0	0	14,306	844	0	0	0	844	0	13,462.00	0
1683+00.00 'TSB'	100.00	16.89	0.00	0.00	0.00	0.00	0.00	59	0	0	0	0	0	14,365	844	0	0	0	844	0	13,521.00	0
1684+00.00 'TSB'	100.00	27.02	0.00	0.00	0.00	0.00	0.00	81	0	0	0	0	0	14,446	844	0	0	0	844	0	13,602.00	0
1685+00.00 'TSB'	100.00	27.02	0.00	0.00	0.00	0.00	0.00	100	0	0	0	0	0	14,546	844	0	0	0	844	0	13,702.00	0
1686+00.00 'TSB'	100.00	25.95	0.00	0.00	0.00	0.00	0.00	98	0	0	0	0	0	14,644	844	0	0	0	844	0	13,800.00	0
1687+00.00 'TSB'	100.00	23.62	0.00	0.00	0.00	0.00	0.00	92	0	0	0	0	0	14,736	844	0	0	0	844	0	13,892.00	0
1688+00.00 'TSB'	100.00	24.25	0.00	0.00	0.00	0.00	0.00	89	0	0	0	0	0	14,825	844	0	0	0	844	0	13,981.00	0
1689+00.00 'TSB'	100.00	24.88	0.00	0.00	0.00	0.00	0.00	91	0	0	0	0	0	14,916	844	0	0	0	844	0	14,072.00	0
1690+00.00 'TSB'	100.00	27.02	0.00	0.00	0.00	0.00	0.00	96	0	0	0	0	0	15,012	844	0	0	0	844	0	14,168.00	0
1691+00.00 'TSB'	100.00	26.96	0.00	0.00	0.00	0.00	0.00	100	0	0	0	0	0	15,112	844	0	0	0	844	0	14,268.00	0
1691+25.34 'TSB'	25.34	26.62	0.00	0.00	0.00	0.00	0.00	25	0	0	0	0	0	15,137	844	0	0	0	844	0	14,293.00	0
1692+00.00 'TSB'	74.66	29.45	0.00	0.00	0.00	0.00	0.00	78	0	0	0	0	0	15,215	844	0	0	0	844	0	14,371.00	0
1693+00.00 'TSB'	100.00	29.67	0.00	0.00	0.00	0.00	0.00	109	0	0	0	0	0	15,324	844	0	0	0	844	0	14,480.00	0
1694+00.00 'TSB'	100.00	31.04	0.00	0.00	0.00	0.00	0.00	112	0	0	0	0	0	15,436	844	0	0	0	844	0	14,592.00	0
1695+00.00 'TSB'	100.00	28.49	0.00	0.00	0.00	0.00	0.00	110	0	0	0	0	0	15,546	844	0	0	0	844	0	14,702.00	0
1696+00.00 'TSB'	100.00	28.29	0.00	0.00	0.00	0.00	0.00	105	0	0	0	0	0	15,651	844	0	0	0	844	0	14,807.00	0
1697+00.00 'TSB'	100.00	28.23	0.00	0.00	0.00	0.00	0.00	105	0	0	0	0	0	15,756	844	0	0	0	844	0	14,912.00	0
1698+00.00 'TSB'	100.00	29.99	0.00	0.00	0.00	0.00	0.00	108	0	0	0	0	0	15,864	844	0	0	0	844	0	15,020.00	0
1699+00.00 'TSB'	100.00	36.27	0.00	0.00	0.00	0.00	0.00	123	0	0	0	0	0	15,987	844	0	0	0	844	0	15,143.00	0
1700+00.00 'TSB'	100.00	35.77	0.00	0.00	0.00	0.00	0.00	133	0	0	0	0	0	16,120	844	0	0	0	844	0	15,276.00	0
1701+00.00 'TSB'	100.00	28.79	0.00	0.00	0.00	0.00	0.00	120	0	0	0	0	0	16,240	844	0	0	0	844	0	15,396.00	0
1701+38.00 'TSB'	38.00	27.24	0.00	0.00	0.00	0.00	0.00	39	0	0	0	0	0	16,279	844	0	0	0	844	0	15,435.00	0
1702+00.00 'TSB'	62.00	26.42	0.00	0.00	0.00	0.00	0.00	62	0	0	0	0	0	16,341	844	0	0	0	844	0	15,497.00	0
1703+00.00 'TSB'	100.00	24.49	0.00	0.00	0.00	0.00	0.00	94	0	0	0	0	0	16,435	844	0	0	0	844	0	15,591.00	0
1703+72.96 'TSB'	72.96	29.22	0.00	0.00	0.00	0.00	0.00	73	0	0	0	0	0	16,508	844	0	0	0	844	0	15,664.00	0
1704+00.00 'TSB'	27.04	30.05	0.00	0.00	0.00	0.00	0.00	30	0	0	0	0	0	16,538	844	0	0	0	844	0	15,694.00	0
1705+00.00 'TSB'	100.00	29.95	0.00	0.00	0.00	0.00	0.00	111	0	0	0	0	0	16,649	844	0	0	0	844	0	15,805.00	0
1706+00.00 'TSB'	100.00	28.58	0.00	0.00	0.00	0.00	0.00	108	0	0	0	0	0	16,757	844	0	0	0	844	0	15,913.00	0
1707+00.00 'TSB'	100.00	29.21	0.00	0.00	0.00	0.00	0.00	107	0	0	0	0	0	16,864	844	0	0	0	844	0	16,020.00	0
1708+00.00 'TSB'	100.00	30.41	0.00	0.00	0.00	0.00	0.00	110	0	0	0	0	0	16,974	844	0	0	0	844	0	16,130.00	0
1709+00.00 'TSB'	100.00	30.13	0.00	0.00	0.00	0.00	0.00	112	0	0	0	0	0	17,086	844	0	0	0	844	0	16,242.00	0
1710+00.00 'TSB'	100.00	29.40	0.00	0.00	0.00	0.00	0.00	110	0	0	0	0	0	17,196	844	0	0	0	844	0	16,352.00	0
1710+79.46 'TSB'	79.46	27.89	0.00	0.00	0.00	0.00	0.00	84	0	0	0	0	0	17,280	844	0	0	0	844	0	16,436.00	0
1711+00.00 'TSB'	20.54	27.72	0.00	0.00	0.00	0.00	0.00	21	0	0	0	0	0	17,301	844	0	0	0	844	0	16,457.00	0
1712+00.00 'TSB'	100.00	27.20	0.00	0.00	0.00	0.00	0.00	102	0	0	0	0	0	17,403	844	0	0	0	844	0	16,559.00	0
1713+00.00 'TSB'	100.00	16.81	0.00	0.00	0.00	0.00	0.00	81	0	0	0	0	0	17,484	844	0	0	0	844	0	16,640.00	0
1714+00.00 'TSB'	100.00	15.04	0.00	0.00	0.00	0.00	0.00	59	0	0	0	0	0	17,543	844	0	0	0	844	0	16,699.00	0
1714+52.16 'TSB'	52.16	15.02	0.00	0.00	0.00	0.00	0.00	29	0	0	0	0	0	17,572	844	0	0	0	844	0	16,728.00	0
1715+00.00 'TSB'	47.84	15.17	0.00	0.00	0.00	0.00	0.00	27	0	0	0	0	0	17,599	844	0	0	0	844	0	16,755.00	0
UNDISTRIBUTED								0	0	176	0	880	176	17,599	844	176	0	880	1,724	176	17,811.00	334

STATION	Distance	AREA (SF) Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Incremental Vol (CY) (Unadjusted) Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Cumulative Vol (CY) Cut	Fill	Marsh	Rock	EBS	Roadway Embankment	Select Crushed Material	Mass Ordinate	Select Crushed Material (TONS)
1498+00.00 'TSB'	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1498+86.70 'TSB'	86.70	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00
1499+00.00 'TSB'	13.30	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00
1499+13.36 'TSB'	13.36	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00
1500+00.00 'TSB'	86.64	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00
1500+83.38 'TSB'	0.00	43.43	18.97	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00
1501+00.00 'TSB'	16.62	43.88	23.68	0.00	0.00	0.00	0	27	13	0	0	0	0	27	13	0	0	0	13	0.00	14.00	0.00
1501+01.26 'TSB'	1.26	43.81	23.63	0.00	0.00	0.00	0	2	1	0	0	0	0	29	14	0	0	0	14	0.00	15.00	0.00
1501+39.00 'TSB'	37.74	60.17	0.00	0.00	0.00	0.00	0	73	17	0	0	0	0	102	31	0	0	0	31	0.00	71.00	0.00
1502+00.00 'TSB'	61.00	31.10	13.59	0.00	0.00	0.00	0	103	15	0	0	0	0	205	46	0	0	0	46	0.00	159.00	0.00
1502+92.61 'TSB'	92.61	21.17	26.19	0.00	0.00	0.00	0	90	68	0	0	0	0	295	114	0	0	0	114	0.00	181.00	0.00
1503+00.00 'TSB'	7.39	20.68	28.04	0.00	0.00	0.00	0	6	7	0	0	0	0	301	121	0	0	0	121	0.00	180.00	0.00
1503+74.45 'TSB'	74.45	24.92	22.31	0.00	0.00	0.00	0	63	69	0	0	0	0	364	190	0	0	0	190	0.00	174.00	0.00
1504+00.00 'TSB'	25.55	21.93	23.35	0.00	0.00	0.00	0	22	22	0	0	0	0	386	212	0	0	0	212	0.00	174.00	0.00
1504+50.92 'TSB'	50.92	17.79	23.74	0.00	0.00	0.00	0	37	44	0	0	0	0	423	256	0	0	0	256	0.00	167.00	0.00
1505+00.00 'TSB'	49.08	16.33	18.88	0.00	0.00	0.00	0	31	39	0	0	0	0	454	295	0	0	0	295	0.00	159.00	0.00
1506+00.00 'TSB'	100.00	13.31	21.27	0.00	0.00	0.00	0	55	74	0	0	0	0	509	369	0	0	0	369	0.00	140.00	0.00
1507+00.00 'TSB'	100.00	16.86	15.75	0.00	0.00	0.00	0	56	69	0	0	0	0	565	438	0	0	0	438	0.00	127.00	0.00
1508+00.00 'TSB'	100.00	22.96	16.03	0.00	0.00	0.00	0	74	59	0	0	0	0	639	497	0	0	0	497	0.00	142.00	0.00
1508+73.62 'TSB'	73.62	29.27	36.57	0.00	0.00	0.00	0	71	72	0	0	0	0	710	569	0	0	0	569	0.00	141.00	0.00
1508+75.10 'TSB'	1.48	29.53	37.83	0.00	0.00	0.00	0	2	2	0	0	0	0	712	571	0	0	0	571	0.00	141.00	0.00
1509+00.00 'TSB'	24.90	31.43	40.73	0.00	0.00	0.00	0	28	36	0	0	0	0	740	607	0	0	0	607	0.00	133.00	0.00
1510+00.00 'TSB'	100.00	36.85	28.80	0.00	0.00	0.00	0	126	129	0	0	0	0	866	736	0	0	0	736	0.00	130.00	0.00
1511+00.00 'TSB'	100.00	28.99	34.41	0.00	0.00	0.00	0	122	117	0	0	0	0	988	853	0	0	0	853	0.00	135.00	0.00
1512+00.00 'TSB'	100.00	30.73	38.37	0.00	0.00	0.00	0	111	135	0	0	0	0	1,099	988	0	0	0	988	0.00	111.00	0.00
1513+00.00 'TSB'	100.00	41.71	29.10	0.00	0.00	0.00	0	134	125	0	0	0	0	1,233	1,113	0	0	0	1,113	0.00	120.00	0.00
1514+00.00 'TSB'	100.00	36.33	31.15	0.00	0.00	0.00	0	145	112	0	0	0	0	1,378	1,225	0	0	0	1,225	0.00	153.00	0.00
1515+00.00 'TSB'	100.00	37.04	25.33	0.00	0.00	0.00	0	136	105	0	0	0	0	1,514	1,330	0	0	0	1,330	0.00	184.00	0.00
1515+12.20 'TSB'	12.20	35.47	24.07	0.00	0.00	0.00	0	16	11	0	0	0	0	1,530	1,341	0	0	0	1,341	0.00	189.00	0.00
1516+00.00 'TSB'	87.80	23.44	32.07	0.00	0.00	0.00	0	96	91	0	0	0	0	1,626	1,432	0	0	0	1,432	0.00	194.00	0.00
1516+97.79 'TSB'	97.79	24.33	32.59	0.00	0.00	0.00	0	87	117	0	0	0	0	1,713	1,549	0	0	0	1,549	0.00	164.00	0.00
1517+00.00 'TSB'	2.21	23.83	33.12	0.00	0.00	0.00	0	2	3	0	0	0	0	1,715	1,552	0	0	0	1,552	0.00	163.00	0.00
1518+00.00 'TSB'	100.00	20.90	26.56	0.00	0.00	0.00	0	83	111	0	0	0	0	1,798	1,663	0	0	0	1,663	0.00	135.00	0.00
1518+80.56 'TSB'	80.56	42.14	37.71	0.00	0.00	0.00	0	94	96	0	0	0	0	1,892	1,759	0	0	0	1,759	0.00	133.00	0.00
1518+81.92 'TSB'	1.36	42.79	37.66	0.00	0.00	0.00	0	2	2	0	0	0	0	1,894	1,761	0	0	0	1,761	0.00	133.00	0.00
1519+00.00 'TSB'	18.08	48.38	42.18	0.00	0.00	0.00	0	31	27	0	0	0	0	1,925	1,788	0	0	0	1,788	0.00	137.00	0.00
1519+95.14 'TSB'	95.14	43.93	42.44	0.00	0.00	0.00	0	163	149	0	0	0	0	2,088	1,937	0	0	0	1,937	0.00	151.00	0.00
1520+00.00 'TSB'	4.86	44.56	42.85	0.00	0.00	0.00	0	8	8	0	0	0	0	2,096	1,945	0	0	0	1,945	0.00	151.00	0.00
1521+00.00 'TSB'	100.00	37.37	26.06	0.00	0.00	0.00	0	152	128	0	0	0	0	2,248	2,073	0	0	0	2,073	0.00	175.00	0.00
1522+00.00 'TSB'	100.00	35.91	10.98	0.00	0.00	0.00	0	136	69	0	0	0	0	2,384	2,142	0	0	0	2,142	0.00	242.00	0.00
1522+02.68 'TSB'	2.68	36.04	10.67	0.00	0.00	0.00	0	4	1	0	0	0	0	2,388	2,143	0	0	0	2,143	0.00	245.00	0.00
1523+00.00 'TSB'	97.32	33.66	5.03	0.00	0.00	0.00	0	126	28	0	0	0	0	2,514	2,171	0	0	0	2,171	0.00	343.00	0.00
1523+91.62 'TSB'	91.62	39.00	0.18	0.00	0.00	0.00	0	123	9	0	0	0	0	2,637	2,180	0	0	0	2,180	0.00	457.00	0.00
1524+00.00 'TSB'	8.38	39.06	0.18	0.00	0.00	0.00	0	12	0	0	0	0	0	2,649	2,180	0	0	0	2,180	0.00	469.00	0.00
1525+00.00 'TSB'	100.00	44.86	0.00	0.00	0.00	0.00	0	155	0	0	0	0	0	2,804	2,180	0	0	0	2,180	0.00	624.00	0.00
1526+00.00 'TSB'	100.00	51.54	0.00	0.00	0.00	0.00	0	179	0	0	0	0	0	2,983	2,180	0	0	0	2,180	0.00	803.00	0.00
1527+00.00 'TSB'	100.00	59.30	0.00	0.00	0.00	0.00	0	205	0	0	0	0	0	3,188	2,180	0	0	0	2,180	0.00	1,008.00	0.00
1528+00.00 'TSB'	100.00	63.41	0.03	0.00	0.00	0.00	0	227	0	0	0	0	0	3,415	2,180	0	0	0	2,180	0.00	1,235.00	0.00
1528+16.25 'TSB'	16.25	53.98	13.17	0.00	0.00	0.00	0	35	4	0	0	0	0	3,450	2,184	0	0	0	2,184	0.00	1,266.00	0.00
1530+14.29 'TSB'	0.00	52.48	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	3,450	2,184	0	0	0	2,184	0.00	1,266.00	0.00
1530+29.98 'TSB'	15.69	52.68	0.00	0.00	0.00	0.00	0	31	0	0	0	0	0	3,481	2,184	0	0	0	2,184	0.00	1,297.00	0.00
1530+79.75 'TSB'	49.78	46.74	0.00	0.00	0.00	0.00	0	92	0	0	0	0	0	3,573	2,184	0	0	0	2,184	0.00	1,389.00	0.00
1531+00.00 'TSB'	20.25	42.88	0.00	0.00	0.00	0.00	0	34	0	0	0	0	0	3,607	2,184	0	0	0	2,184	0.00	1,423.00	0.00
1531+79.90 'TSB'	79.90	43.36	0.00	0.00	0.00	0.00	0	128	0	0	0	0	0	3,735	2,184	0	0	0	2,184	0.00	1,551.00	0.00
1531+80.00 'TSB'	0.10	53.01	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	3,735	2,184	0	0	0	2,184	0.00	1,551.00	0.00
1532+00.00 'TSB'	20.00	53.81	0.00	0.00	0.00	0.00	0	40	0	0	0	0	0	3,775	2,184	0	0	0	2,184	0.00	1,591.00	0.00
1533+00.00 'TSB'	100.00	51.06	0.00	0.00	0.00	0.00	0	194	0	0	0	0	0	3,969	2,184	0	0	0	2,184	0.00	1,785.00	0.00
1533+31.29 'TSB'	31.29	51.39	0.00	0.00	0.00	0.00	0	59	0	0	0	0	0	4,028	2,184	0	0	0	2,184	0.00	1,844.00	0.00
1533+57.95 'TSB'	26.66	57.72	0.00	0.00	0.00	0.00	0	54	0	0	0	0	0	4,082	2,184	0	0	0	2,184	0.00	1,898.00	0.00
1534+00.00 'TSB'	42.05	60.28	0.00	0.00	0.00	0.00	0	92	0	0	0	0	0	4,174	2,184	0	0	0	2,184	0.00	1,990.00	0.00
1534+11.29 'TSB'	11.29	62.56	0.00	0.00	0.00	0.00	0	26	0	0	0	0	0	4,200	2,184	0	0	0	2,184	0.00	2,016.00	0.00
1534+91.29 'TSB'	80.00	72.05	0.00	0.00	0.00	0.00	0	199	0	0	0	0	0	4,399	2,184	0	0	0	2,184	0.00	2,215.00	0.00

9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	EARTHWORK DATA: STAGE 2	SHEET	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\090101_EWK_STAGE 2.DWG PLOT DATE : 7/29/2015 10:36 AM PLOT BY : CORY INMAN PLOT NAME : _____ PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) Marsh Exc	AREA (SF) Rock Exc	AREA (SF) EBS	AREA (SF) SELECT CRUSHED MATERIAL	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) Marsh Exc	Incremental Vol (CY) (Unadjusted) Rock Exc	Incremental Vol (CY) (Unadjusted) EBS	Incremental Vol (CY) (Unadjusted) SELECT CRUSHED MATERIAL	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) Marsh	Cumulative Vol (CY) Rock	Cumulative Vol (CY) EBS	Cumulative Vol (CY) Roadway Embankment	Cumulative Vol (CY) Select Crushed Material	Cumulative Vol (CY) Mass Ordinate	Select Crushed Material (TONS)
1535+00.00 'TSB'	8.71	69.65	0.00	0.00	0.00	0.00	0	23	0	0	0	0	0	4,422	2,184	0	0	0	2,184	0.00	2,238.00	0.00
1535+05.00 'TSB'	5.00	67.84	0.00	0.00	0.00	0.00	0	13	0	0	0	0	0	4,435	2,184	0	0	0	2,184	0.00	2,251.00	0.00
1536+00.00 'TSB'	95.00	60.91	0.00	0.00	0.00	0.00	0	226	0	0	0	0	0	4,661	2,184	0	0	0	2,184	0.00	2,477.00	0.00
1537+00.00 'TSB'	100.00	52.23	0.00	0.00	0.00	0.00	0	210	0	0	0	0	0	4,871	2,184	0	0	0	2,184	0.00	2,687.00	0.00
1538+00.00 'TSB'	100.00	54.06	0.00	0.00	0.00	0.00	0	197	0	0	0	0	0	5,068	2,184	0	0	0	2,184	0.00	2,884.00	0.00
1539+00.00 'TSB'	100.00	45.57	0.00	0.00	0.00	0.00	0	185	0	0	0	0	0	5,253	2,184	0	0	0	2,184	0.00	3,069.00	0.00
1540+00.00 'TSB'	100.00	39.75	0.00	0.00	0.00	0.00	0	158	0	0	0	0	0	5,411	2,184	0	0	0	2,184	0.00	3,227.00	0.00
1540+27.78 'TSB'	27.78	43.50	0.00	0.00	0.00	0.00	0	43	0	0	0	0	0	5,454	2,184	0	0	0	2,184	0.00	3,270.00	0.00
1540+73.39 'TSB'	45.61	39.82	0.00	0.00	0.00	0.00	0	70	0	0	0	0	0	5,524	2,184	0	0	0	2,184	0.00	3,340.00	0.00
1541+00.00 'TSB'	26.61	46.49	0.00	0.00	0.00	0.00	0	43	0	0	0	0	0	5,567	2,184	0	0	0	2,184	0.00	3,383.00	0.00
1542+00.00 'TSB'	100.00	33.50	1.53	0.00	0.00	0.00	0	148	3	0	0	0	0	5,715	2,187	0	0	0	2,187	0.00	3,528.00	0.00
1543+00.00 'TSB'	100.00	36.80	10.46	0.00	0.00	0.00	0	130	22	0	0	0	0	5,845	2,209	0	0	0	2,209	0.00	3,636.00	0.00
1544+00.00 'TSB'	100.00	65.83	6.00	0.00	0.00	0.00	0	190	30	0	0	0	0	6,035	2,239	0	0	0	2,239	0.00	3,796.00	0.00
1545+00.00 'TSB'	100.00	58.96	4.40	0.00	0.00	0.00	0	231	19	0	0	0	0	6,266	2,258	0	0	0	2,258	0.00	4,008.00	0.00
1546+00.00 'TSB'	100.00	151.06	3.41	0.00	0.00	0.00	0	389	14	0	0	0	0	6,655	2,272	0	0	0	2,272	0.00	4,383.00	0.00
1547+00.00 'TSB'	100.00	167.56	0.57	0.00	0.00	0.00	0	590	7	0	0	0	0	7,245	2,279	0	0	0	2,279	0.00	4,966.00	0.00
1548+00.00 'TSB'	100.00	83.98	0.90	0.00	0.00	0.00	0	466	3	0	0	0	0	7,711	2,282	0	0	0	2,282	0.00	5,429.00	0.00
1549+00.00 'TSB'	100.00	99.30	0.41	0.00	0.00	0.00	0	339	2	0	0	0	0	8,050	2,284	0	0	0	2,284	0.00	5,766.00	0.00
1550+00.00 'TSB'	100.00	73.36	2.04	0.00	0.00	0.00	0	320	5	0	0	0	0	8,370	2,289	0	0	0	2,289	0.00	6,081.00	0.00
1551+00.00 'TSB'	100.00	98.86	2.72	0.00	0.00	0.00	0	319	9	0	0	0	0	8,689	2,298	0	0	0	2,298	0.00	6,391.00	0.00
1552+00.00 'TSB'	100.00	48.17	7.24	0.00	0.00	0.00	0	272	18	0	0	0	0	8,961	2,316	0	0	0	2,316	0.00	6,645.00	0.00
1553+00.00 'TSB'	100.00	23.64	10.74	0.00	0.00	0.00	0	133	33	0	0	0	0	9,094	2,349	0	0	0	2,349	0.00	6,745.00	0.00
1554+00.00 'TSB'	100.00	11.60	33.02	0.00	0.00	0.00	0	65	81	0	0	0	0	9,159	2,430	0	0	0	2,430	0.00	6,729.00	0.00
1555+00.00 'TSB'	100.00	13.79	47.81	0.00	0.00	0.00	0	47	150	0	0	0	0	9,206	2,580	0	0	0	2,580	0.00	6,626.00	0.00
1555+82.39 'TSB'	82.39	15.46	107.78	0.00	0.00	0.00	0	45	237	0	0	0	0	9,251	2,817	0	0	0	2,817	0.00	6,434.00	0.00
1556+00.00 'TSB'	17.61	16.44	52.90	0.00	0.00	0.00	0	10	52	0	0	0	0	9,261	2,869	0	0	0	2,869	0.00	6,392.00	0.00
1557+00.00 'TSB'	100.00	20.13	15.74	0.00	0.00	0.00	0	68	127	0	0	0	0	9,329	2,996	0	0	0	2,996	0.00	6,333.00	0.00
1558+00.00 'TSB'	100.00	17.03	9.64	0.00	0.00	0.00	0	69	47	0	0	0	0	9,398	3,043	0	0	0	3,043	0.00	6,355.00	0.00
1559+00.00 'TSB'	100.00	14.92	4.39	0.00	0.00	0.00	0	59	26	0	0	0	0	9,457	3,069	0	0	0	3,069	0.00	6,388.00	0.00
1560+00.00 'TSB'	100.00	15.71	12.68	0.00	0.00	0.00	0	57	32	0	0	0	0	9,514	3,101	0	0	0	3,101	0.00	6,413.00	0.00
1561+00.00 'TSB'	100.00	14.54	23.60	0.00	0.00	0.00	0	56	67	0	0	0	0	9,570	3,168	0	0	0	3,168	0.00	6,402.00	0.00
1562+00.00 'TSB'	100.00	16.12	16.37	0.00	0.00	0.00	0	57	74	0	0	0	0	9,627	3,242	0	0	0	3,242	0.00	6,385.00	0.00
1563+00.00 'TSB'	100.00	65.12	2.52	0.00	0.00	0.00	0	150	35	0	0	0	0	9,777	3,277	0	0	0	3,277	0.00	6,500.00	0.00
1564+00.00 'TSB'	100.00	154.01	0.69	0.00	0.00	0.00	0	406	6	0	0	0	0	10,183	3,283	0	0	0	3,283	0.00	6,900.00	0.00
1565+00.00 'TSB'	100.00	20.82	15.49	0.00	0.00	0.00	0	324	30	0	0	0	0	10,507	3,313	0	0	0	3,313	0.00	7,194.00	0.00
1565+88.82 'TSB'	88.82	10.30	43.63	0.00	0.00	0.00	0	51	97	0	0	0	0	10,558	3,410	0	0	0	3,410	0.00	7,148.00	0.00
1566+00.00 'TSB'	11.18	9.98	54.28	0.00	0.00	0.00	0	4	20	0	0	0	0	10,562	3,430	0	0	0	3,430	0.00	7,132.00	0.00
1566+55.11 'TSB'	55.11	10.63	313.84	0.00	0.00	0.00	0	21	376	0	0	0	0	10,583	3,806	0	0	0	3,806	0.00	6,777.00	0.00
1566+62.56 'TSB'	7.45	10.58	261.45	0.00	0.00	0.00	0	3	79	0	0	0	0	10,586	3,885	0	0	0	3,885	0.00	6,701.00	0.00
1567+00.00 'TSB'	37.44	10.64	95.05	0.00	0.00	0.00	0	15	247	0	0	0	0	10,601	4,132	0	0	0	4,132	0.00	6,469.00	0.00
1567+29.86 'TSB'	29.86	11.54	89.88	0.00	0.00	0.00	0	12	102	0	0	0	0	10,613	4,234	0	0	0	4,234	0.00	6,379.00	0.00
1568+00.00 'TSB'	70.14	15.91	84.61	0.00	0.00	0.00	0	36	227	0	0	0	0	10,649	4,461	0	0	0	4,461	0.00	6,188.00	0.00
1569+00.00 'TSB'	100.00	18.39	10.55	0.00	0.00	0.00	0	64	176	0	0	0	0	10,713	4,637	0	0	0	4,637	0.00	6,076.00	0.00
1569+63.00 'TSB'	63.00	51.39	9.19	0.00	0.00	0.00	0	81	23	0	0	0	0	10,794	4,660	0	0	0	4,660	0.00	6,134.00	0.00
1569+85.36 'TSB'	22.36	97.12	0.00	0.00	0.00	0.00	0	61	4	0	0	0	0	10,855	4,664	0	0	0	4,664	0.00	6,191.00	0.00
1570+00.00 'TSB'	14.64	93.54	0.48	0.00	0.00	0.00	0	52	0	0	0	0	0	10,907	4,664	0	0	0	4,664	0.00	6,243.00	0.00
1570+52.53 'TSB'	52.53	63.44	20.34	0.00	0.00	0.00	0	153	20	0	0	0	0	11,060	4,684	0	0	0	4,684	0.00	6,376.00	0.00
1571+00.00 'TSB'	47.47	65.82	23.98	0.00	0.00	0.00	0	114	39	0	0	0	0	11,174	4,723	0	0	0	4,723	0.00	6,451.00	0.00
1571+85.37 'TSB'	85.37	71.65	31.79	0.00	0.00	0.00	0	217	88	0	0	0	0	11,391	4,811	0	0	0	4,811	0.00	6,580.00	0.00
1572+00.00 'TSB'	14.63	79.31	29.87	0.00	0.00	0.00	0	41	17	0	0	0	0	11,432	4,828	0	0	0	4,828	0.00	6,604.00	0.00
1573+00.00 'TSB'	100.00	107.19	17.14	0.00	0.00	0.00	0	345	87	0	0	0	0	11,777	4,915	0	0	0	4,915	0.00	6,862.00	0.00
1573+90.50 'TSB'	90.50	110.50	3.62	0.00	0.00	0.00	0	365	35	0	0	0	0	12,142	4,950	0	0	0	4,950	0.00	7,192.00	0.00
1574+00.00 'TSB'	9.50	111.99	4.22	0.00	0.00	0.00	0	39	1	0	0	0	0	12,181	4,951	0	0	0	4,951	0.00	7,230.00	0.00
1575+00.00 'TSB'	100.00	69.71	0.00	0.00	0.00	0.00	0	336	8	0	0	0	0	12,517	4,959	0	0	0	4,959	0.00	7,558.00	0.00
1575+32.00 'TSB'	32.00	54.53	0.00	0.00	0.00	0.00	0	74	0	0	0	0	0	12,591	4,959	0	0	0	4,959	0.00	7,632.00	0.00
1575+88.51 'TSB'	56.50	17.51	7.69	0.00	0.00	0.00	0	75	8	0	0	0	0	12,666	4,967	0	0	0	4,967	0.00	7,699.00	0.00
1576+00.00 'TSB'	11.49	17.39	10.91	0.00	0.00	0.00	0	7	4	0	0	0	0	12,673	4,971	0	0	0	4,971	0.00	7,702.00	0.00
1576+62.27 'TSB'	62.27	21.96	26.84	0.00	0.00	0.00	0	45	44	0	0	0	0	12,718	5,015	0	0	0	5,015	0.00	7,703.00	0.00
1576+70.83 'TSB'	8.55	12.52	29.91	0.00	0.00	0.00	0	5	9	0	0	0	0	12,723	5,024	0	0	0	5,024	0.00	7,699.00	0.00
1577+00.00 'TSB'	29.17	12.52	26.79	0.00	0.00	0.00	0	14	31	0	0	0	0	12,737	5,055	0	0	0	5,055	0.00	7,682.00	0.00
1578+00.00 'TSB'	100.00	12.52	26.79	0.00	0.00	0.00	0	46	99	0	0	0	0	12,783	5,154	0	0	0	5,154	0.00	7,629.00	0.00
1578+71.22 'TSB'	71.22	12.52	26.79	0.00	0.00	0.00	0	33	71	0	0	0	0	12,816	5,225	0	0	0	5,225	0.00	7,591.00	0.00

STATION	Distance	AREA (SF) Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Incremental Vol (CY) (Unadjusted) Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Cumulative Vol (CY) Cut	Fill	Marsh	Rock	EBS	Roadway Embankment	Select Crushed Material	Mass Ordinate	Select Crushed Material (TONS)
1578+76.11 'TSB'	4.88	12.52	26.79	0.00	0.00	0.00	0	2	5	0	0	0	0	12,818	5,230	0	0	0	5,230	0.00	7,588.00	0.00
1579+00.00 'TSB'	23.89	12.52	29.28	0.00	0.00	0.00	0	11	25	0	0	0	0	12,829	5,255	0	0	0	5,255	0.00	7,574.00	0.00
1580+00.00 'TSB'	100.00	12.52	41.90	0.00	0.00	0.00	0	46	132	0	0	0	0	12,875	5,387	0	0	0	5,387	0.00	7,488.00	0.00
1580+96.12 'TSB'	96.12	12.52	41.24	0.00	0.00	0.00	0	45	148	0	0	0	0	12,920	5,535	0	0	0	5,535	0.00	7,385.00	0.00
1581+00.00 'TSB'	3.88	12.52	41.26	0.00	0.00	0.00	0	2	6	0	0	0	0	12,922	5,541	0	0	0	5,541	0.00	7,381.00	0.00
1582+00.00 'TSB'	100.00	12.52	38.75	0.00	0.00	0.00	0	46	148	0	0	0	0	12,968	5,689	0	0	0	5,689	0.00	7,279.00	0.00
1583+00.00 'TSB'	100.00	12.52	39.04	0.00	0.00	0.00	0	46	144	0	0	0	0	13,014	5,833	0	0	0	5,833	0.00	7,181.00	0.00
1584+00.00 'TSB'	100.00	12.52	37.57	0.00	0.00	0.00	0	46	142	0	0	0	0	13,060	5,975	0	0	0	5,975	0.00	7,085.00	0.00
1585+00.00 'TSB'	100.00	12.52	31.92	0.00	0.00	0.00	0	46	129	0	0	0	0	13,106	6,104	0	0	0	6,104	0.00	7,002.00	0.00
1586+00.00 'TSB'	100.00	12.52	32.95	0.00	0.00	0.00	0	46	120	0	0	0	0	13,152	6,224	0	0	0	6,224	0.00	6,928.00	0.00
1586+78.35 'TSB'	78.35	12.52	30.18	0.00	0.00	0.00	0	36	92	0	0	0	0	13,188	6,316	0	0	0	6,316	0.00	6,872.00	0.00
1587+00.00 'TSB'	21.65	12.52	31.07	0.00	0.00	0.00	0	10	25	0	0	0	0	13,198	6,341	0	0	0	6,341	0.00	6,857.00	0.00
1588+00.00 'TSB'	100.00	12.52	28.47	0.00	0.00	0.00	0	46	110	0	0	0	0	13,244	6,451	0	0	0	6,451	0.00	6,793.00	0.00
1589+00.00 'TSB'	100.00	12.52	24.78	0.00	0.00	0.00	0	46	99	0	0	0	0	13,290	6,550	0	0	0	6,550	0.00	6,740.00	0.00
1590+00.00 'TSB'	100.00	12.52	24.71	0.00	0.00	0.00	0	46	92	0	0	0	0	13,336	6,642	0	0	0	6,642	0.00	6,694.00	0.00
1590+52.49 'TSB'	52.49	12.52	22.68	0.00	0.00	0.00	0	24	46	0	0	0	0	13,360	6,688	0	0	0	6,688	0.00	6,672.00	0.00
1591+00.00 'TSB'	47.51	12.52	23.86	0.00	0.00	0.00	0	22	41	0	0	0	0	13,382	6,729	0	0	0	6,729	0.00	6,653.00	0.00
1592+00.00 'TSB'	100.00	12.80	22.77	0.00	0.00	0.00	0	47	86	0	0	0	0	13,429	6,815	0	0	0	6,815	0.00	6,614.00	0.00
1592+91.82 'TSB'	91.82	18.82	12.51	0.00	0.00	0.00	0	54	60	0	0	0	0	13,483	6,875	0	0	0	6,875	0.00	6,608.00	0.00
1593+00.00 'TSB'	8.18	27.43	0.00	0.00	0.00	0.00	0	7	2	0	0	0	0	13,490	6,877	0	0	0	6,877	0.00	6,613.00	0.00
1593+16.28 'TSB'	16.28	38.61	0.00	0.00	0.00	0.00	0	20	0	0	0	0	0	13,510	6,877	0	0	0	6,877	0.00	6,633.00	0.00
1593+40.30 'TSB'	24.02	19.61	7.71	0.00	0.00	0.00	0	26	3	0	0	0	0	13,536	6,880	0	0	0	6,880	0.00	6,656.00	0.00
1594+00.00 'TSB'	59.70	12.52	23.92	0.00	0.00	0.00	0	36	35	0	0	0	0	13,572	6,915	0	0	0	6,915	0.00	6,657.00	0.00
1595+00.00 'TSB'	100.00	12.52	19.97	0.00	0.00	0.00	0	46	81	0	0	0	0	13,618	6,996	0	0	0	6,996	0.00	6,622.00	0.00
1596+00.00 'TSB'	100.00	12.52	15.64	0.00	0.00	0.00	0	46	66	0	0	0	0	13,664	7,062	0	0	0	7,062	0.00	6,602.00	0.00
1596+12.89 'TSB'	12.89	12.52	14.26	0.00	0.00	0.00	0	6	7	0	0	0	0	13,670	7,069	0	0	0	7,069	0.00	6,601.00	0.00
1597+00.00 'TSB'	87.11	12.52	13.76	0.00	0.00	0.00	0	40	45	0	0	0	0	13,710	7,114	0	0	0	7,114	0.00	6,596.00	0.00
1598+00.00 'TSB'	100.00	12.52	14.44	0.00	0.00	0.00	0	46	52	0	0	0	0	13,756	7,166	0	0	0	7,166	0.00	6,590.00	0.00
1599+00.00 'TSB'	100.00	12.52	14.18	0.00	0.00	0.00	0	46	53	0	0	0	0	13,802	7,219	0	0	0	7,219	0.00	6,583.00	0.00
1600+00.00 'TSB'	100.00	12.52	16.44	0.00	0.00	0.00	0	46	57	0	0	0	0	13,848	7,276	0	0	0	7,276	0.00	6,572.00	0.00
1600+80.73 'TSB'	80.73	12.52	29.29	0.00	0.00	0.00	0	37	68	0	0	0	0	13,885	7,344	0	0	0	7,344	0.00	6,541.00	0.00
1601+00.00 'TSB'	19.27	12.52	16.85	0.00	0.00	0.00	0	9	16	0	0	0	0	13,894	7,360	0	0	0	7,360	0.00	6,534.00	0.00
1602+00.00 'TSB'	100.00	12.52	10.13	0.00	0.00	0.00	0	46	50	0	0	0	0	13,940	7,410	0	0	0	7,410	0.00	6,530.00	0.00
1603+00.00 'TSB'	100.00	12.52	6.68	0.00	0.00	0.00	0	46	31	0	0	0	0	13,986	7,441	0	0	0	7,441	0.00	6,545.00	0.00
1603+41.12 'TSB'	41.12	12.52	3.89	0.00	0.00	0.00	0	19	8	0	0	0	0	14,005	7,449	0	0	0	7,449	0.00	6,556.00	0.00
1604+00.00 'TSB'	58.88	12.52	4.07	0.00	0.00	0.00	0	27	9	0	0	0	0	14,032	7,458	0	0	0	7,458	0.00	6,574.00	0.00
1604+73.29 'TSB'	73.29	12.52	3.37	0.00	0.00	0.00	0	34	10	0	0	0	0	14,066	7,468	0	0	0	7,468	0.00	6,598.00	0.00
1605+00.00 'TSB'	26.71	12.52	3.17	0.00	0.00	0.00	0	12	3	0	0	0	0	14,078	7,471	0	0	0	7,471	0.00	6,607.00	0.00
1606+00.00 'TSB'	100.00	12.52	2.34	0.00	0.00	0.00	0	46	10	0	0	0	0	14,124	7,481	0	0	0	7,481	0.00	6,643.00	0.00
1607+00.00 'TSB'	100.00	12.52	1.60	0.00	0.00	0.00	0	46	7	0	0	0	0	14,170	7,488	0	0	0	7,488	0.00	6,682.00	0.00
1608+00.00 'TSB'	100.00	12.53	0.97	0.00	0.00	0.00	0	46	5	0	0	0	0	14,216	7,493	0	0	0	7,493	0.00	6,723.00	0.00
1608+90.23 'TSB'	90.23	12.54	0.32	0.00	0.00	0.00	0	42	2	0	0	0	0	14,258	7,495	0	0	0	7,495	0.00	6,763.00	0.00
1609+00.00 'TSB'	9.77	12.55	0.21	0.00	0.00	0.00	0	5	0	0	0	0	0	14,263	7,495	0	0	0	7,495	0.00	6,768.00	0.00
1609+23.28 'TSB'	23.28	12.55	0.06	0.00	0.00	0.00	0	11	0	0	0	0	0	14,274	7,495	0	0	0	7,495	0.00	6,779.00	0.00
1609+38.27 'TSB'	14.99	12.62	0.00	0.00	0.00	0.00	0	7	0	0	0	0	0	14,281	7,495	0	0	0	7,495	0.00	6,786.00	0.00
1609+44.27 'TSB'	6.00	12.73	0.00	0.00	0.00	0.00	0	3	0	0	0	0	0	14,284	7,495	0	0	0	7,495	0.00	6,789.00	0.00
1610+00.00 'TSB'	55.73	13.19	0.00	0.00	0.00	0.00	0	27	0	0	0	0	0	14,311	7,495	0	0	0	7,495	0.00	6,816.00	0.00
1610+41.12 'TSB'	41.12	13.76	0.00	0.00	0.00	0.00	0	21	0	0	0	0	0	14,332	7,495	0	0	0	7,495	0.00	6,837.00	0.00
1611+00.00 'TSB'	58.88	14.33	0.00	0.00	0.00	0.00	0	31	0	0	0	0	0	14,363	7,495	0	0	0	7,495	0.00	6,868.00	0.00
1612+00.00 'TSB'	100.00	15.56	0.00	0.00	0.00	0.00	0	55	0	0	0	0	0	14,418	7,495	0	0	0	7,495	0.00	6,923.00	0.00
1612+50.00 'TSB'	50.00	15.80	0.00	0.00	0.00	0.00	0	29	0	0	0	0	0	14,447	7,495	0	0	0	7,495	0.00	6,952.00	0.00
1613+00.00 'TSB'	50.00	15.79	0.00	0.00	0.00	0.00	0	29	0	0	0	0	0	14,476	7,495	0	0	0	7,495	0.00	6,981.00	0.00
1614+00.00 'TSB'	100.00	16.29	0.00	0.00	0.00	0.00	0	59	0	0	0	0	0	14,535	7,495	0	0	0	7,495	0.00	7,040.00	0.00
1615+00.00 'TSB'	100.00	16.47	0.00	0.00	0.00	0.00	0	61	0	0	0	0	0	14,596	7,495	0	0	0	7,495	0.00	7,101.00	0.00
1615+63.49 'TSB'	63.49	12.54	5.14	0.00	0.00	0.00	0	34	6	0	0	0	0	14,630	7,501	0	0	0	7,501	0.00	7,129.00	0.00
1616+00.00 'TSB'	36.51	13.96	1.13	0.00	0.00	0.00	0	18	4	0	0	0	0	14,648	7,505	0	0	0	7,505	0.00	7,143.00	0.00
1617+00.00 'TSB'	100.00	13.91	1.47	0.00	0.00	0.00	0	52	5	0	0	0	0	14,700	7,510	0	0	0	7,510	0.00	7,190.00	0.00
1618+00.00 'TSB'	100.00	18.96	1.46	0.00	0.00	0.00	0	61	5	0	0	0	0	14,761	7,515	0	0	0	7,515	0.00	7,246.00	0.00
1619+00.00 'TSB'	100.00	17.40	1.08	0.00	0.00	0.00	0	67	5	0	0	0	0	14,828	7,520	0	0	0	7,520	0.00	7,308.00	0.00
1620+00.00 'TSB'	100.00	15.78	3.17	0.00	0.00	0.00	0	61	8	0	0	0	0	14,889	7,528	0	0	0	7,528	0.00	7,361.00	0.00
1620+69.01 'TSB'	69.01	18.28	11.92	0.00	0.00	0.00	0	44	19	0	0	0	0	14,933	7,547	0	0	0	7,547	0.00	7,386.00	0.00
1620+72.19 'TSB'	3.18	18.49	12.24	0.00	0.00	0.00	0	2	1	0	0	0	0	14,935	7,548	0	0	0	7,548	0.00	7,387.00	0.00

STATION	Distance	AREA (SF) Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Incremental Vol (CY) (Unadjusted) Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Cumulative Vol (CY) Cut	Fill	Marsh	Rock	EBS	Roadway Embankment	Select Crushed Material	Mass Ordinate	Select Crushed Material (TONS)
1620+74.94 'TSB'	2.75	18.41	12.48	0.00	0.00	0.00	0	2	1	0	0	0	0	14,937	7,549	0	0	0	7,549	0.00	7,388.00	0.00
1621+00.00 'TSB'	25.06	17.41	14.20	0.00	0.00	0.00	0	17	12	0	0	0	0	14,954	7,561	0	0	0	7,561	0.00	7,393.00	0.00
1622+00.00 'TSB'	100.00	19.65	14.15	0.00	0.00	0.00	0	69	52	0	0	0	0	15,023	7,613	0	0	0	7,613	0.00	7,410.00	0.00
1623+00.00 'TSB'	100.00	20.62	11.88	0.00	0.00	0.00	0	75	48	0	0	0	0	15,098	7,661	0	0	0	7,661	0.00	7,437.00	0.00
1624+00.00 'TSB'	100.00	21.11	8.13	0.00	0.00	0.00	0	77	37	0	0	0	0	15,175	7,698	0	0	0	7,698	0.00	7,477.00	0.00
1625+00.00 'TSB'	100.00	22.78	5.05	0.00	0.00	0.00	0	81	24	0	0	0	0	15,256	7,722	0	0	0	7,722	0.00	7,534.00	0.00
1626+00.00 'TSB'	100.00	24.35	0.41	0.00	0.00	0.00	0	87	10	0	0	0	0	15,343	7,732	0	0	0	7,732	0.00	7,611.00	0.00
1627+00.00 'TSB'	100.00	29.18	0.00	0.00	0.00	0.00	0	99	1	0	0	0	0	15,442	7,733	0	0	0	7,733	0.00	7,709.00	0.00
1628+00.00 'TSB'	100.00	30.67	0.00	0.00	0.00	0.00	0	111	0	0	0	0	0	15,553	7,733	0	0	0	7,733	0.00	7,820.00	0.00
1629+00.00 'TSB'	100.00	28.64	0.00	0.00	0.00	0.00	0	110	0	0	0	0	0	15,663	7,733	0	0	0	7,733	0.00	7,930.00	0.00
1629+31.58 'TSB'	31.58	23.78	0.00	0.00	0.00	0.00	0	31	0	0	0	0	0	15,694	7,733	0	0	0	7,733	0.00	7,961.00	0.00
1630+00.00 'TSB'	68.42	22.65	0.00	0.00	0.00	0.00	0	59	0	0	0	0	0	15,753	7,733	0	0	0	7,733	0.00	8,020.00	0.00
1631+00.00 'TSB'	100.00	20.80	0.00	0.00	0.00	0.00	0	80	0	0	0	0	0	15,833	7,733	0	0	0	7,733	0.00	8,100.00	0.00
1631+69.75 'TSB'	69.75	21.16	0.00	0.00	0.00	0.00	0	54	0	0	0	0	0	15,887	7,733	0	0	0	7,733	0.00	8,154.00	0.00
1631+75.77 'TSB'	6.02	21.33	0.00	0.00	0.00	0.00	0	5	0	0	0	0	0	15,892	7,733	0	0	0	7,733	0.00	8,159.00	0.00
1632+00.00 'TSB'	24.23	23.99	0.00	0.00	0.00	0.00	0	20	0	0	0	0	0	15,912	7,733	0	0	0	7,733	0.00	8,179.00	0.00
1633+00.00 'TSB'	100.00	23.26	0.00	0.00	0.00	0.00	0	87	0	0	0	0	0	15,999	7,733	0	0	0	7,733	0.00	8,266.00	0.00
1633+62.34 'TSB'	62.34	22.75	0.00	0.00	0.00	0.00	0	53	0	0	0	0	0	16,052	7,733	0	0	0	7,733	0.00	8,319.00	0.00
1633+65.42 'TSB'	3.08	22.72	0.00	0.00	0.00	0.00	0	3	0	0	0	0	0	16,055	7,733	0	0	0	7,733	0.00	8,322.00	0.00
1633+73.40 'TSB'	7.98	22.63	0.00	0.00	0.00	0.00	0	7	0	0	0	0	0	16,062	7,733	0	0	0	7,733	0.00	8,329.00	0.00
1634+00.00 'TSB'	26.60	21.70	0.00	0.00	0.00	0.00	0	22	0	0	0	0	0	16,084	7,733	0	0	0	7,733	0.00	8,351.00	0.00
1635+00.00 'TSB'	100.00	21.00	0.00	0.00	0.00	0.00	0	79	0	0	0	0	0	16,163	7,733	0	0	0	7,733	0.00	8,430.00	0.00
1635+75.00 'TSB'	75.00	20.19	0.00	0.00	0.00	0.00	0	57	0	0	0	0	0	16,220	7,733	0	0	0	7,733	0.00	8,487.00	0.00
1636+00.00 'TSB'	25.00	19.92	0.00	0.00	0.00	0.00	0	19	0	0	0	0	0	16,239	7,733	0	0	0	7,733	0.00	8,506.00	0.00
1637+00.00 'TSB'	100.00	19.23	0.00	0.00	0.00	0.00	0	73	0	0	0	0	0	16,312	7,733	0	0	0	7,733	0.00	8,579.00	0.00
1637+75.00 'TSB'	75.00	18.92	0.00	0.00	0.00	0.00	0	53	0	0	0	0	0	16,365	7,733	0	0	0	7,733	0.00	8,632.00	0.00
1638+00.00 'TSB'	25.00	18.59	0.00	0.00	0.00	0.00	0	17	0	0	0	0	0	16,382	7,733	0	0	0	7,733	0.00	8,649.00	0.00
1639+00.00 'TSB'	100.00	18.31	0.00	0.00	0.00	0.00	0	68	0	0	0	0	0	16,450	7,733	0	0	0	7,733	0.00	8,717.00	0.00
1639+30.87 'TSB'	30.87	18.11	0.00	0.00	0.00	0.00	0	21	0	0	0	0	0	16,471	7,733	0	0	0	7,733	0.00	8,738.00	0.00
1640+00.00 'TSB'	69.13	17.91	0.00	0.00	0.00	0.00	0	46	0	0	0	0	0	16,517	7,733	0	0	0	7,733	0.00	8,784.00	0.00
1641+00.00 'TSB'	100.00	17.75	0.00	0.00	0.00	0.00	0	66	0	0	0	0	0	16,583	7,733	0	0	0	7,733	0.00	8,850.00	0.00
1641+51.12 'TSB'	51.12	17.74	0.00	0.00	0.00	0.00	0	34	0	0	0	0	0	16,617	7,733	0	0	0	7,733	0.00	8,884.00	0.00
1641+73.55 'TSB'	22.43	14.54	4.36	0.00	0.00	0.00	0	13	2	0	0	0	0	16,630	7,735	0	0	0	7,735	0.00	8,895.00	0.00
1641+83.00 'TSB'	9.45	14.48	4.75	0.00	0.00	0.00	0	5	2	0	0	0	0	16,635	7,737	0	0	0	7,737	0.00	8,898.00	0.00
1642+00.00 'TSB'	17.00	14.43	5.44	0.00	0.00	0.00	0	9	3	0	0	0	0	16,644	7,740	0	0	0	7,740	0.00	8,904.00	0.00
1643+00.00 'TSB'	100.00	27.54	0.00	0.00	0.00	0.00	0	78	10	0	0	0	0	16,722	7,750	0	0	0	7,750	0.00	8,972.00	0.00
1643+25.00 'TSB'	25.00	27.44	0.00	0.00	0.00	0.00	0	25	0	0	0	0	0	16,747	7,750	0	0	0	7,750	0.00	8,997.00	0.00
1644+00.00 'TSB'	75.00	27.51	0.00	0.00	0.00	0.00	0	76	0	0	0	0	0	16,823	7,750	0	0	0	7,750	0.00	9,073.00	0.00
1645+00.00 'TSB'	100.00	27.78	0.00	0.00	0.00	0.00	0	102	0	0	0	0	0	16,925	7,750	0	0	0	7,750	0.00	9,175.00	0.00
1646+00.00 'TSB'	100.00	27.65	0.00	0.00	0.00	0.00	0	103	0	0	0	0	0	17,028	7,750	0	0	0	7,750	0.00	9,278.00	0.00
1647+00.00 'TSB'	100.00	27.56	0.00	0.00	0.00	0.00	0	102	0	0	0	0	0	17,130	7,750	0	0	0	7,750	0.00	9,380.00	0.00
1647+45.00 'TSB'	45.00	27.45	0.00	0.00	0.00	0.00	0	46	0	0	0	0	0	17,176	7,750	0	0	0	7,750	0.00	9,426.00	0.00
1648+00.00 'TSB'	55.00	27.62	0.00	0.00	0.00	0.00	0	56	0	0	0	0	0	17,232	7,750	0	0	0	7,750	0.00	9,482.00	0.00
1649+00.00 'TSB'	100.00	27.69	0.00	0.00	0.00	0.00	0	102	0	0	0	0	0	17,334	7,750	0	0	0	7,750	0.00	9,584.00	0.00
1650+00.00 'TSB'	100.00	26.77	0.00	0.00	0.00	0.00	0	101	0	0	0	0	0	17,435	7,750	0	0	0	7,750	0.00	9,685.00	0.00
1651+00.00 'TSB'	100.00	27.12	0.00	0.00	0.00	0.00	0	100	0	0	0	0	0	17,535	7,750	0	0	0	7,750	0.00	9,785.00	0.00
1652+00.00 'TSB'	100.00	28.20	0.00	0.00	0.00	0.00	0	102	0	0	0	0	0	17,637	7,750	0	0	0	7,750	0.00	9,887.00	0.00
1652+37.91 'TSB'	37.91	28.67	0.00	0.00	0.00	0.00	0	40	0	0	0	0	0	17,677	7,750	0	0	0	7,750	0.00	9,927.00	0.00
1653+00.00 'TSB'	62.09	29.48	0.00	0.00	0.00	0.00	0	67	0	0	0	0	0	17,744	7,750	0	0	0	7,750	0.00	9,994.00	0.00
1653+40.99 'TSB'	40.99	29.85	0.00	0.00	0.00	0.00	0	45	0	0	0	0	0	17,789	7,750	0	0	0	7,750	0.00	10,039.00	0.00
1654+00.00 'TSB'	59.01	30.67	0.00	0.00	0.00	0.00	0	66	0	0	0	0	0	17,855	7,750	0	0	0	7,750	0.00	10,105.00	0.00
1654+69.71 'TSB'	69.71	26.05	0.00	0.00	0.00	0.00	0	73	0	0	0	0	0	17,928	7,750	0	0	0	7,750	0.00	10,178.00	0.00
1655+00.00 'TSB'	30.29	24.52	0.00	0.00	0.00	0.00	0	28	0	0	0	0	0	17,956	7,750	0	0	0	7,750	0.00	10,206.00	0.00
1655+82.91 'TSB'	82.91	21.39	0.00	0.00	0.00	0.00	0	70	0	0	0	0	0	18,026	7,750	0	0	0	7,750	0.00	10,276.00	0.00
1656+00.00 'TSB'	17.09	20.88	0.00	0.00	0.00	0.00	0	13	0	0	0	0	0	18,039	7,750	0	0	0	7,750	0.00	10,289.00	0.00
1657+00.00 'TSB'	100.00	18.88	0.00	0.00	0.00	0.00	0	74	0	0	0	0	0	18,113	7,750	0	0	0	7,750	0.00	10,363.00	0.00
1658+00.00 'TSB'	100.00	14.15	0.26	0.00	0.00	0.00	0	61	0	0	0	0	0	18,174	7,750	0	0	0	7,750	0.00	10,424.00	0.00
1659+00.00 'TSB'	100.00	13.60	1.48	0.00	0.00	0.00	0	51	3	0	0	0	0	18,225	7,753	0	0	0	7,753	0.00	10,472.00	0.00
1660+00.00 'TSB'	100.00	14.53	0.20	0.00	0.00	0.00	0	52	3	0	0	0	0	18,277	7,756	0	0	0	7,756	0.00	10,521.00	0.00
1660+73.84 'TSB'	73.84	13.21	4.06	0.00	0.00	0.00	0	38	6	0	0	0	0	18,315	7,762	0	0	0	7,762	0.00	10,553.00	0.00
1661+00.00 'TSB'	26.16	13.27	3.52	0.00	0.00	0.00	0	13	4	0	0	0	0	18,328	7,766	0	0	0	7,766	0.00	10,562.00	0.00
1661+73.80 'TSB'	73.80	15.51	2.05	0.00	0.00	0.00	0	39	8	0	0	0	0	18,367	7,774	0	0	0	7,774	0.00	10,593.00	0.00

STATION	Distance	AREA (SF) Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Incremental Vol (CY) (Unadjusted) Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Cumulative Vol (CY) Cut	Fill	Marsh	Rock	EBS	Roadway Embankment	Select Crushed Material	Mass Ordinate	Select Crushed Material (TONS)
1661+81.11 'TSB'	7.31	15.65	2.01	0.00	0.00	0.00	0	4	1	0	0	0	0	18,371	7,775	0	0	0	7,775	0.00	10,596.00	0.00
1662+00.00 'TSB'	18.89	16.02	1.92	0.00	0.00	0.00	0	11	1	0	0	0	0	18,382	7,776	0	0	0	7,776	0.00	10,606.00	0.00
1662+23.45 'TSB'	23.45	14.10	3.23	0.00	0.00	0.00	0	13	2	0	0	0	0	18,395	7,778	0	0	0	7,778	0.00	10,617.00	0.00
1662+29.12 'TSB'	5.67	14.27	3.26	0.00	0.00	0.00	0	3	1	0	0	0	0	18,398	7,779	0	0	0	7,779	0.00	10,619.00	0.00
1663+00.00 'TSB'	70.88	16.09	2.37	0.00	0.00	0.00	0	40	7	0	0	0	0	18,438	7,786	0	0	0	7,786	0.00	10,652.00	0.00
1664+00.00 'TSB'	100.00	17.44	1.67	0.00	0.00	0.00	0	62	7	0	0	0	0	18,500	7,793	0	0	0	7,793	0.00	10,707.00	0.00
1665+00.00 'TSB'	100.00	16.28	3.34	0.00	0.00	0.00	0	62	9	0	0	0	0	18,562	7,802	0	0	0	7,802	0.00	10,760.00	0.00
1666+00.00 'TSB'	100.00	17.63	5.78	0.00	0.00	0.00	0	63	17	0	0	0	0	18,625	7,819	0	0	0	7,819	0.00	10,806.00	0.00
1667+00.00 'TSB'	100.00	18.98	8.52	0.00	0.00	0.00	0	68	26	0	0	0	0	18,693	7,845	0	0	0	7,845	0.00	10,848.00	0.00
1667+51.12 'TSB'	51.12	16.62	12.05	0.00	0.00	0.00	0	34	19	0	0	0	0	18,727	7,864	0	0	0	7,864	0.00	10,863.00	0.00
1668+00.00 'TSB'	48.88	14.87	16.11	0.00	0.00	0.00	0	29	25	0	0	0	0	18,756	7,889	0	0	0	7,889	0.00	10,867.00	0.00
1668+74.12 'TSB'	74.12	13.67	68.71	0.00	0.00	0.00	0	39	116	0	0	0	0	18,795	8,005	0	0	0	8,005	0.00	10,790.00	0.00
1669+00.00 'TSB'	25.88	15.63	16.14	0.00	0.00	0.00	0	14	41	0	0	0	0	18,809	8,046	0	0	0	8,046	0.00	10,763.00	0.00
1669+76.12 'TSB'	76.12	14.78	14.88	0.00	0.00	0.00	0	43	44	0	0	0	0	18,852	8,090	0	0	0	8,090	0.00	10,762.00	0.00
1670+00.00 'TSB'	23.88	13.70	14.01	0.00	0.00	0.00	0	13	13	0	0	0	0	18,865	8,103	0	0	0	8,103	0.00	10,762.00	0.00
1671+00.00 'TSB'	100.00	13.81	16.73	0.00	0.00	0.00	0	51	57	0	0	0	0	18,916	8,160	0	0	0	8,160	0.00	10,756.00	0.00
1672+00.00 'TSB'	100.00	16.49	12.97	0.00	0.00	0.00	0	56	55	0	0	0	0	18,972	8,215	0	0	0	8,215	0.00	10,757.00	0.00
1673+00.00 'TSB'	100.00	17.09	8.80	0.00	0.00	0.00	0	62	40	0	0	0	0	19,034	8,255	0	0	0	8,255	0.00	10,779.00	0.00
1674+00.00 'TSB'	100.00	19.94	5.90	0.00	0.00	0.00	0	69	27	0	0	0	0	19,103	8,282	0	0	0	8,282	0.00	10,821.00	0.00
1675+00.00 'TSB'	100.00	21.66	4.33	0.00	0.00	0.00	0	77	19	0	0	0	0	19,180	8,301	0	0	0	8,301	0.00	10,879.00	0.00
1676+00.00 'TSB'	100.00	24.17	6.64	0.00	0.00	0.00	0	85	20	0	0	0	0	19,265	8,321	0	0	0	8,321	0.00	10,944.00	0.00
1676+71.59 'TSB'	71.59	15.87	19.82	0.00	0.00	0.00	0	53	35	0	0	0	0	19,318	8,356	0	0	0	8,356	0.00	10,962.00	0.00
1677+00.00 'TSB'	28.41	16.83	23.39	0.00	0.00	0.00	0	17	23	0	0	0	0	19,335	8,379	0	0	0	8,379	0.00	10,956.00	0.00
1678+00.00 'TSB'	100.00	20.79	12.11	0.00	0.00	0.00	0	70	66	0	0	0	0	19,405	8,445	0	0	0	8,445	0.00	10,960.00	0.00
1679+00.00 'TSB'	100.00	33.72	0.00	89.47	0.00	0.00	0	101	22	166	0	0	0	19,506	8,467	166	0	0	8,633	0.00	11,205.00	0.00
1679+34.60 'TSB'	34.60	21.70	2.90	92.08	0.00	0.00	0	36	2	116	0	0	0	19,542	8,469	282	0	0	8,751	0.00	11,355.00	0.00
1679+92.25 'TSB'	0.00	10.16	90.43	36.63	0.00	0.00	0	0	0	0	0	0	0	19,542	8,469	282	0	0	8,751	0.00	11,355.00	0.00
1680+00.00 'TSB'	7.75	15.97	66.81	48.01	0.00	0.00	0	4	23	12	0	0	0	19,546	8,492	294	0	0	8,786	0.00	11,348.00	0.00
1681+00.00 'TSB'	100.00	18.33	32.09	0.00	0.00	0.00	0	64	183	89	0	0	0	19,610	8,675	383	0	0	9,058	0.00	11,318.00	0.00
1682+00.00 'TSB'	100.00	23.35	11.45	0.00	0.00	0.00	0	77	81	0	0	0	0	19,687	8,756	383	0	0	9,139	0.00	11,314.00	0.00
1683+00.00 'TSB'	100.00	30.38	14.49	0.00	0.00	0.00	0	99	48	0	0	0	0	19,786	8,804	383	0	0	9,187	0.00	11,365.00	0.00
1684+00.00 'TSB'	100.00	14.97	14.41	0.00	0.00	0.00	0	84	54	0	0	0	0	19,870	8,858	383	0	0	9,241	0.00	11,395.00	0.00
1685+00.00 'TSB'	100.00	15.85	11.11	0.00	0.00	0.00	0	57	47	0	0	0	0	19,927	8,905	383	0	0	9,288	0.00	11,405.00	0.00
1686+00.00 'TSB'	100.00	17.35	15.63	0.00	0.00	0.00	0	61	50	0	0	0	0	19,988	8,955	383	0	0	9,338	0.00	11,416.00	0.00
1687+00.00 'TSB'	100.00	17.31	21.33	0.00	0.00	0.00	0	64	68	0	0	0	0	20,052	9,023	383	0	0	9,406	0.00	11,412.00	0.00
1688+00.00 'TSB'	100.00	14.60	42.56	0.00	0.00	0.00	0	59	118	0	0	0	0	20,111	9,141	383	0	0	9,524	0.00	11,353.00	0.00
1689+00.00 'TSB'	100.00	15.08	42.58	0.00	0.00	0.00	0	55	158	0	0	0	0	20,166	9,299	383	0	0	9,682	0.00	11,250.00	0.00
1690+00.00 'TSB'	100.00	12.61	64.22	0.00	0.00	0.00	0	51	198	0	0	0	0	20,217	9,497	383	0	0	9,880	0.00	11,103.00	0.00
1691+00.00 'TSB'	100.00	12.89	77.11	0.00	0.00	0.00	0	47	262	0	0	0	0	20,264	9,759	383	0	0	10,142	0.00	10,888.00	0.00
1691+25.34 'TSB'	25.34	13.08	74.21	0.00	0.00	0.00	0	12	71	0	0	0	0	20,276	9,830	383	0	0	10,213	0.00	10,829.00	0.00
1692+00.00 'TSB'	74.66	14.56	80.77	0.00	0.00	0.00	0	38	214	0	0	0	0	20,314	10,044	383	0	0	10,427	0.00	10,653.00	0.00
1693+00.00 'TSB'	100.00	13.38	88.59	0.00	0.00	0.00	0	52	314	0	0	0	0	20,366	10,358	383	0	0	10,741	0.00	10,391.00	0.00
1694+00.00 'TSB'	100.00	13.86	83.41	0.00	0.00	0.00	0	50	319	0	0	0	0	20,416	10,677	383	0	0	11,060	0.00	10,122.00	0.00
1695+00.00 'TSB'	100.00	14.21	82.63	0.00	0.00	0.00	0	52	307	0	0	0	0	20,468	10,984	383	0	0	11,367	0.00	9,867.00	0.00
1696+00.00 'TSB'	100.00	13.49	93.63	0.00	0.00	0.00	0	51	326	0	0	0	0	20,519	11,310	383	0	0	11,693	0.00	9,592.00	0.00
1697+00.00 'TSB'	100.00	13.24	98.26	0.00	0.00	0.00	0	50	355	0	0	0	0	20,569	11,665	383	0	0	12,048	0.00	9,287.00	0.00
1698+00.00 'TSB'	100.00	14.59	56.40	0.00	0.00	0.00	0	52	286	0	0	0	0	20,621	11,951	383	0	0	12,334	0.00	9,053.00	0.00
1699+00.00 'TSB'	100.00	82.87	5.69	0.00	0.00	0.00	0	180	115	0	0	0	0	20,801	12,066	383	0	0	12,449	0.00	9,118.00	0.00
1700+00.00 'TSB'	100.00	377.41	0.21	0.00	0.00	0.00	0	852	11	0	0	0	0	21,653	12,077	383	0	0	12,460	0.00	9,959.00	0.00
1701+00.00 'TSB'	100.00	126.37	0.00	0.00	0.00	0.00	0	933	0	0	0	0	0	22,586	12,077	383	0	0	12,460	0.00	10,892.00	0.00
1701+38.00 'TSB'	38.00	47.50	0.00	0.00	0.00	0.00	0	122	0	0	0	0	0	22,708	12,077	383	0	0	12,460	0.00	11,014.00	0.00
1702+00.00 'TSB'	62.00	44.68	0.00	0.00	0.00	0.00	0	106	0	0	0	0	0	22,814	12,077	383	0	0	12,460	0.00	11,120.00	0.00
1703+00.00 'TSB'	100.00	11.79	41.96	0.00	0.00	0.00	0	105	78	0	0	0	0	22,919	12,155	383	0	0	12,538	0.00	11,147.00	0.00
1703+72.96 'TSB'	72.96	14.32	44.44	0.00	0.00	0.00	0	35	117	0	0	0	0	22,954	12,272	383	0	0	12,655	0.00	11,065.00	0.00
1704+00.00 'TSB'	27.04	15.54	39.82	0.00	0.00	0.00	0	15	42	0	0	0	0	22,969	12,314	383	0	0	12,697	0.00	11,038.00	0.00
1705+00.00 'TSB'	100.00	17.38	15.69	0.00	0.00	0.00	0	61	103	0	0	0	0	23,030	12,417	383	0	0	12,800	0.00	10,996.00	0.00
1706+00.00 'TSB'	100.00	32.18	5.86	0.00	0.00	0.00	0	92	40	0	0	0	0	23,122	12,457	383	0	0	12,840	0.00	11,048.00	0.00
1707+00.00 'TSB'	100.00	18.46	17.38	0.00	0.00	0.00	0	94	43	0	0	0	0	23,216	12,500	383	0	0	12,883	0.00	11,099.00	0.00
1708+00.00 'TSB'	100.00	21.27	14.34	0.00	0.00	0.00	0	74	59	0	0	0	0	23,290	12,559	383	0	0	12,942	0.00	11,114.00	0.00
1709+00.00 'TSB'	100.00	35.15	6.18	0.00	0.00	0.00	0	104	38	0	0	0	0	23,394	12,597	383	0	0	12,980	0.00	11,180.00	0.00
1710+00.00 'TSB'	100.00	27.80	5.51	0.00	0.00	0.00	0	117	22	0	0	0	0	23,511	12,619	383	0	0	13,002	0.00	11,275.00	0.00
1710+79.46 'TSB'	79.46	17.18	14.12	0.00	0.00	0.00	0	66	29	0	0	0	0	23,577	12,648	383	0	0	13,031	0.00	11,312.00	0.00

STATION	Distance	AREA (SF) Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Incremental Vol (CY) (Unadjusted) Cut	Fill	Marsh Exc	Rock Exc	EBS	SELECT CRUSHED MATERIAL	Cumulative Vol (CY) Cut	Fill	Marsh	Rock	EBS	Roadway Embankment	Select Crushed Material	Mass Ordinate	Select Crushed Material (TONS)
1711+00.00 'TSB'	20.54	14.08	22.83	0.00	0.00	208.31	75	12	14	0	0	79	29	23,589	12,662	383	0	79	13,095	29.00	11,389.00	55.10
1712+00.00 'TSB'	100.00	12.29	41.35	0.00	0.00	166.64	75	49	119	0	0	694	278	23,638	12,781	383	0	773	13,630	307.00	12,013.00	583.30
1713+00.00 'TSB'	100.00	20.03	3.00	150.06	0.00	0.00	56	60	82	278	0	309	244	23,698	12,863	661	0	1,082	14,055	551.00	12,578.00	1,046.90
1714+00.00 'TSB'	100.00	18.84	102.35	47.02	0.00	0.00	19	72	195	365	0	0	140	23,770	13,058	1,026	0	1,082	14,475	691.00	12,820.00	1,312.90
1714+52.16 'TSB'	52.16	26.25	8.05	131.95	0.00	0.00	72	44	107	173	0	0	89	23,814	13,165	1,199	0	1,082	14,666	780.00	12,930.00	1,482.00
1715+00.00 'TSB'	47.84	28.57	2.69	0.00	0.00	153.13	72	49	10	117	0	136	128	23,863	13,175	1,316	0	1,218	14,801	908.00	13,222.00	1,725.20
1567+29.27 'TBX'	0.00	0.00	79.74	0.00	0.00	0.00	0	0	0	0	0	0	0	23,863	13,175	1,316	0	1,218	14,801	908.00	13,222.00	1,725.20
1568+00.00 'TBX'	70.73	0.00	70.50	0.00	0.00	0.00	0	0	197	0	0	0	0	23,863	13,372	1,316	0	1,218	14,998	908.00	13,025.00	1,725.20
1568+75.00 'TBX'	75.00	0.00	27.19	0.00	0.00	0.00	0	0	136	0	0	0	0	23,863	13,508	1,316	0	1,218	15,134	908.00	12,889.00	1,725.20
1569+00.00 'TBX'	25.00	1.04	9.39	0.00	0.00	0.00	0	0	17	0	0	0	0	23,863	13,525	1,316	0	1,218	15,151	908.00	12,872.00	1,725.20
1569+67.00 'TBX'	67.00	24.12	8.74	0.00	0.00	0.00	0	31	23	0	0	0	0	23,894	13,548	1,316	0	1,218	15,174	908.00	12,880.00	1,725.20
1569+84.85 'TBX'	17.85	61.19	0.00	0.00	0.00	0.00	0	28	3	0	0	0	0	23,922	13,551	1,316	0	1,218	15,177	908.00	12,905.00	1,725.20
1570+00.00 'TBX'	15.15	57.84	0.33	0.00	0.00	0.00	0	33	0	0	0	0	0	23,955	13,551	1,316	0	1,218	15,177	908.00	12,938.00	1,725.20
1570+50.00 'TBX'	50.00	30.20	18.17	0.00	0.00	0.00	0	82	17	0	0	0	0	24,037	13,568	1,316	0	1,218	15,194	908.00	13,003.00	1,725.20
1570+52.07 'TBX'	2.07	30.08	18.84	0.00	0.00	0.00	0	2	1	0	0	0	0	24,039	13,569	1,316	0	1,218	15,195	908.00	13,004.00	1,725.20
1571+00.00 'TBX'	47.93	29.45	23.76	0.00	0.00	0.00	0	53	38	0	0	0	0	24,092	13,607	1,316	0	1,218	15,233	908.00	13,019.00	1,725.20
1571+87.00 'TBX'	87.00	19.55	29.92	0.00	0.00	0.00	0	79	86	0	0	0	0	24,171	13,693	1,316	0	1,218	15,319	908.00	13,012.00	1,725.20
1572+00.00 'TBX'	13.00	20.16	28.57	0.00	0.00	0.00	0	10	14	0	0	0	0	24,181	13,707	1,316	0	1,218	15,333	908.00	13,008.00	1,725.20
1572+25.00 'TBX'	25.00	40.58	27.50	0.00	0.00	0.00	0	28	26	0	0	0	0	24,209	13,733	1,316	0	1,218	15,359	908.00	13,010.00	1,725.20
1573+00.00 'TBX'	75.00	34.72	17.66	0.00	0.00	0.00	0	105	63	0	0	0	0	24,314	13,796	1,316	0	1,218	15,422	908.00	13,052.00	1,725.20
1573+87.74 'TBX'	87.74	29.93	3.35	0.00	0.00	0.00	0	105	34	0	0	0	0	24,419	13,830	1,316	0	1,218	15,456	908.00	13,123.00	1,725.20
1573+90.44 'TBX'	2.70	30.06	3.43	0.00	0.00	0.00	0	3	0	0	0	0	0	24,422	13,830	1,316	0	1,218	15,456	908.00	13,126.00	1,725.20
1574+00.00 'TBX'	9.56	32.94	4.09	0.00	0.00	0.00	0	11	1	0	0	0	0	24,433	13,831	1,316	0	1,218	15,457	908.00	13,136.00	1,725.20
1575+00.00 'TBX'	100.00	67.24	0.00	0.00	0.00	0.00	0	186	8	0	0	0	0	24,619	13,839	1,316	0	1,218	15,465	908.00	13,314.00	1,725.20
1575+32.62 'TBX'	32.62	65.14	0.00	0.00	0.00	0.00	0	80	0	0	0	0	0	24,699	13,839	1,316	0	1,218	15,465	908.00	13,394.00	1,725.20
1576+00.00 'TBX'	67.38	35.39	0.00	0.00	0.00	0.00	0	125	0	0	0	0	0	24,824	13,839	1,316	0	1,218	15,465	908.00	13,519.00	1,725.20
1576+19.09 'TBX'	19.09	16.92	0.37	0.00	0.00	0.00	0	18	0	0	0	0	0	24,842	13,839	1,316	0	1,218	15,465	908.00	13,537.00	1,725.20
1576+86.57 'TBX'	67.48	12.84	1.20	0.00	0.00	0.00	0	37	2	0	0	0	0	24,879	13,841	1,316	0	1,218	15,467	908.00	13,572.00	1,725.20
1577+00.00 'TBX'	13.43	14.20	0.34	0.00	0.00	0.00	0	7	0	0	0	0	0	24,886	13,841	1,316	0	1,218	15,467	908.00	13,579.00	1,725.20
1577+98.00 'TBX'	98.00	26.07	0.00	0.00	0.00	0.00	0	73	1	0	0	0	0	24,959	13,842	1,316	0	1,218	15,468	908.00	13,651.00	1,725.20
1578+00.00 'TBX'	2.00	26.55	0.00	0.00	0.00	0.00	0	2	0	0	0	0	0	24,961	13,842	1,316	0	1,218	15,468	908.00	13,653.00	1,725.20
1578+89.00 'TBX'	89.00	43.91	0.00	0.00	0.00	0.00	0	116	0	0	0	0	0	25,077	13,842	1,316	0	1,218	15,468	908.00	13,769.00	1,725.20
1579+00.00 'TBX'	11.00	14.85	0.00	0.00	0.00	0.00	0	12	0	0	0	0	0	25,089	13,842	1,316	0	1,218	15,468	908.00	13,781.00	1,725.20
1579+06.95 'TBX'	6.95	17.22	0.00	0.00	0.00	0.00	0	4	0	0	0	0	0	25,093	13,842	1,316	0	1,218	15,468	908.00	13,785.00	1,725.20
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	0	0	1,255	0	2,509	1,255	24,961	13,842	2,571	0	3,727	17,977	2,162.65	17,416.95	4,109.04

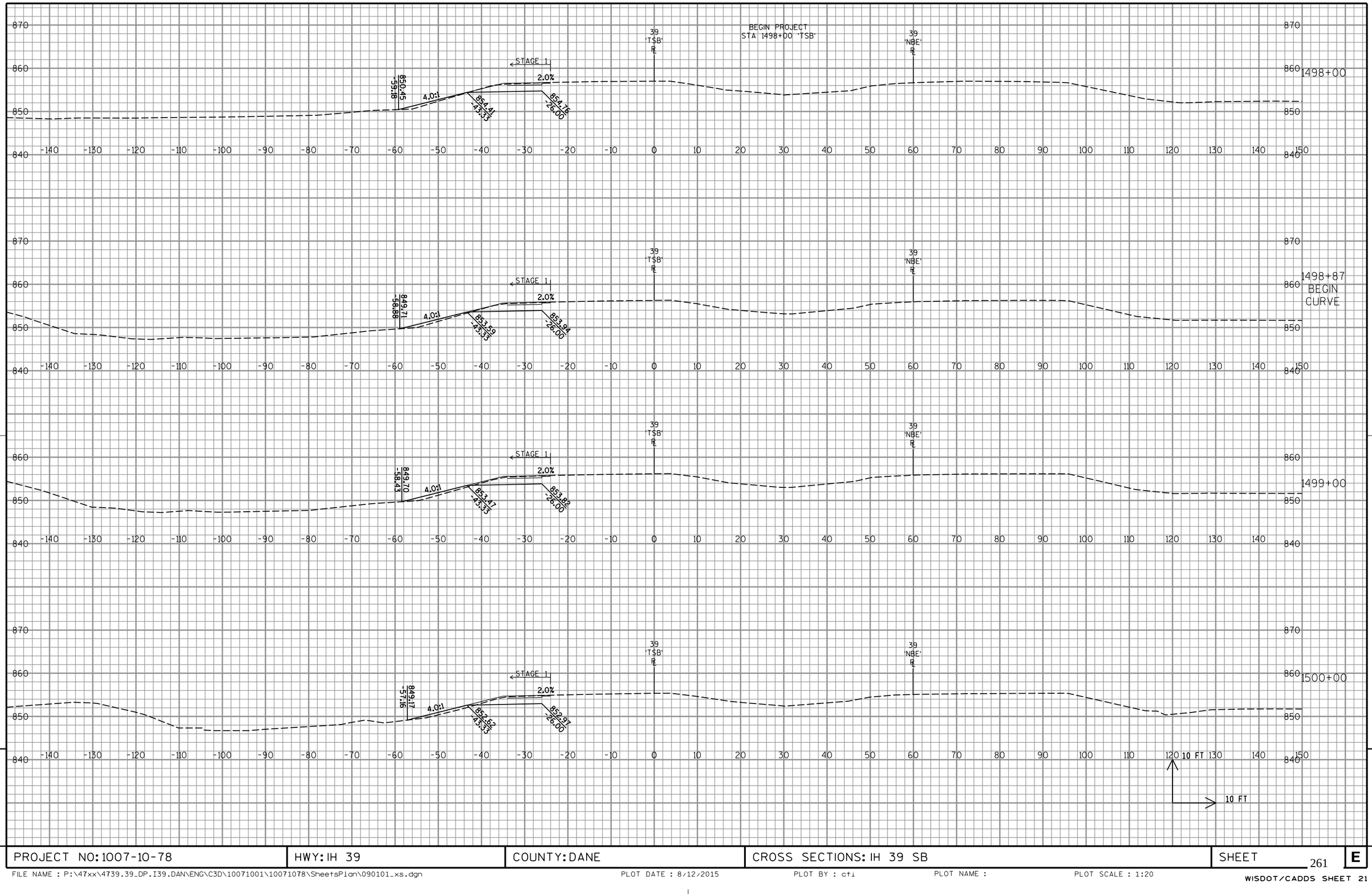
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	EARTHWORK DATA: STAGE 2	SHEET	E

FILE NAME : P:\47XX\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SHEETSPLAN\090101_EWK_STAGE 2.DWG PLOT DATE : 7/29/2015 10:36 AM PLOT BY : CORY INMAN PLOT NAME : _____ PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

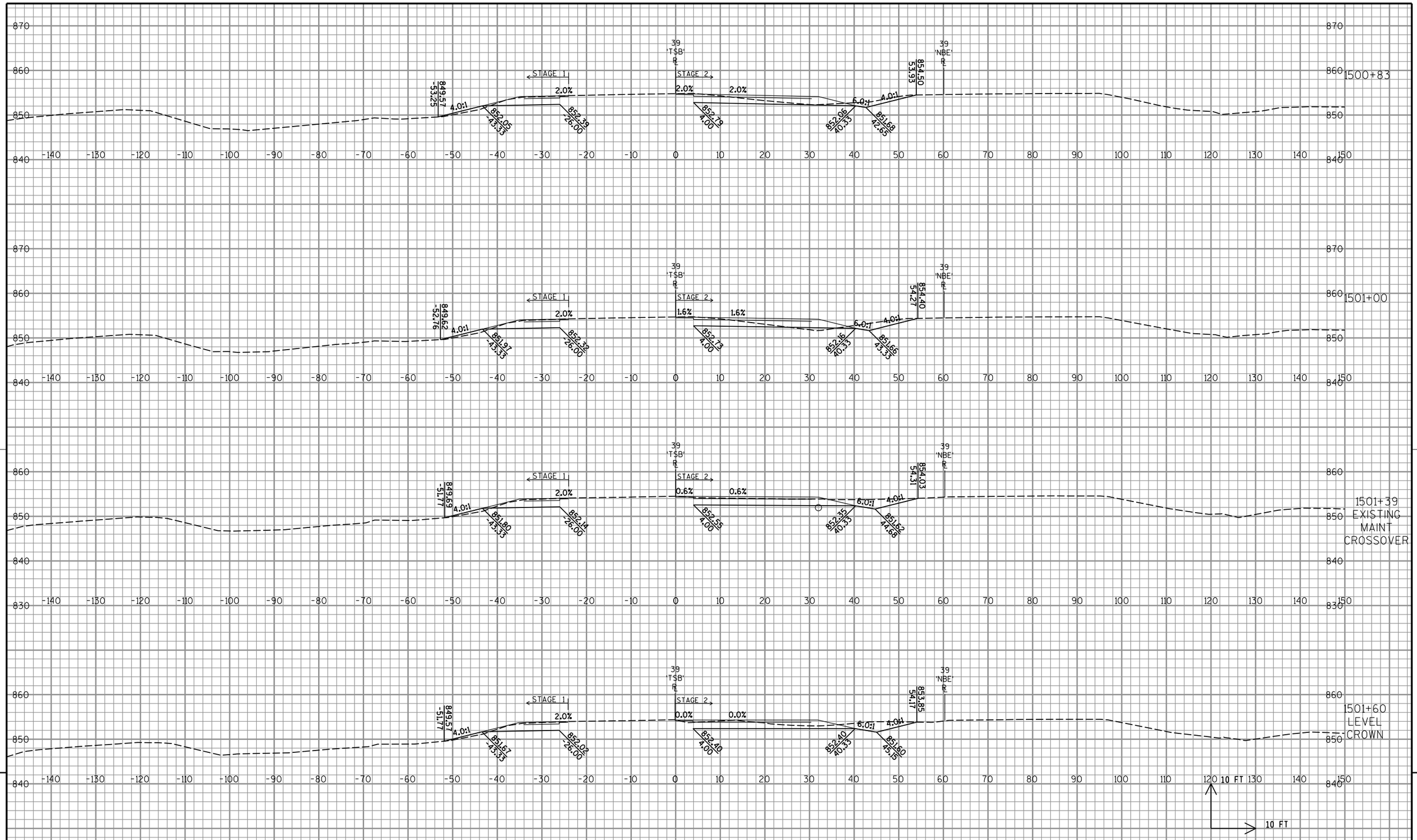


9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 261	E

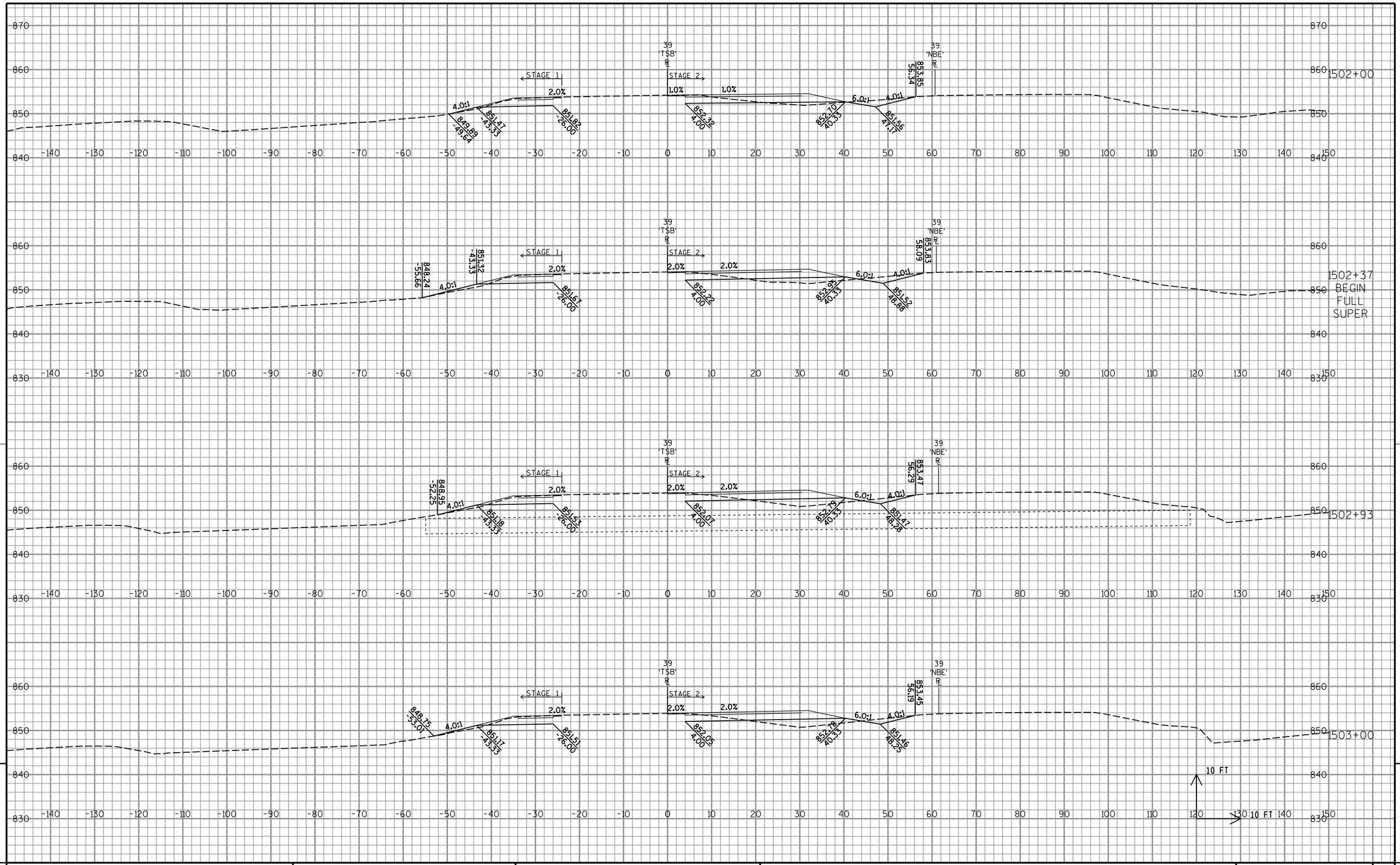
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn
PLOT DATE : 8/12/2015
PLOT BY : cti
PLOT NAME :
PLOT SCALE : 1:20
WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 262	E



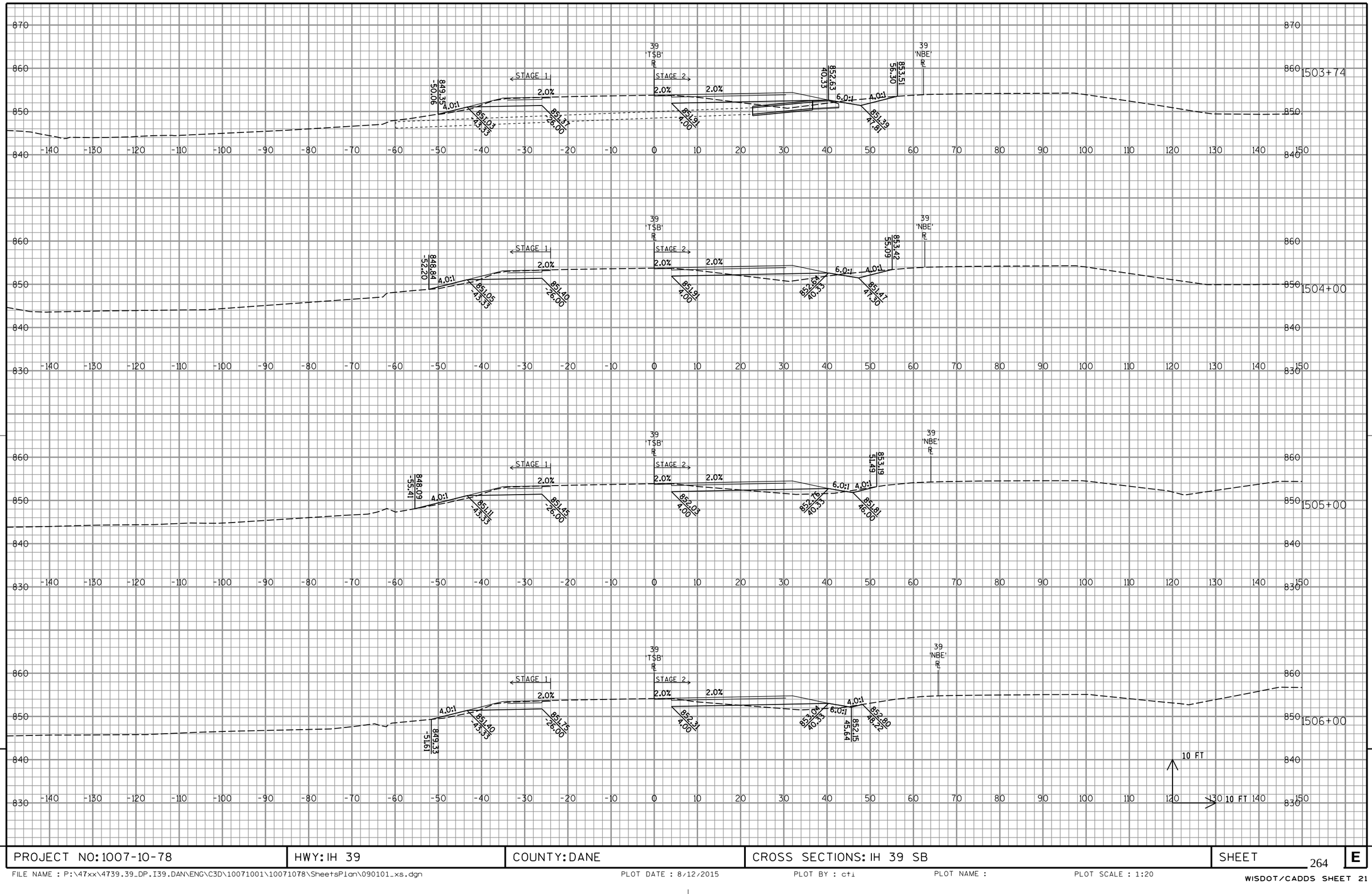
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 263	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

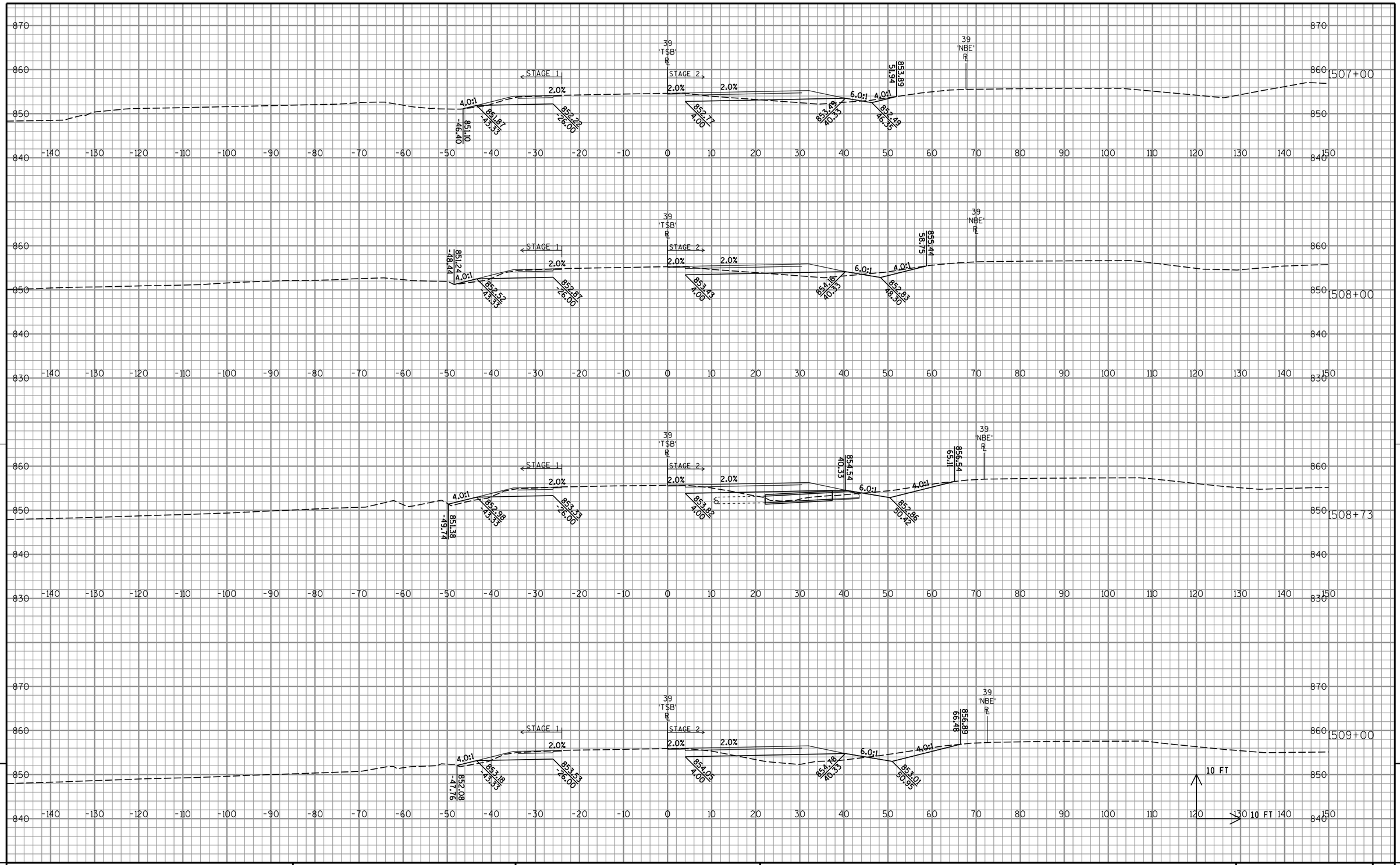
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 264	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

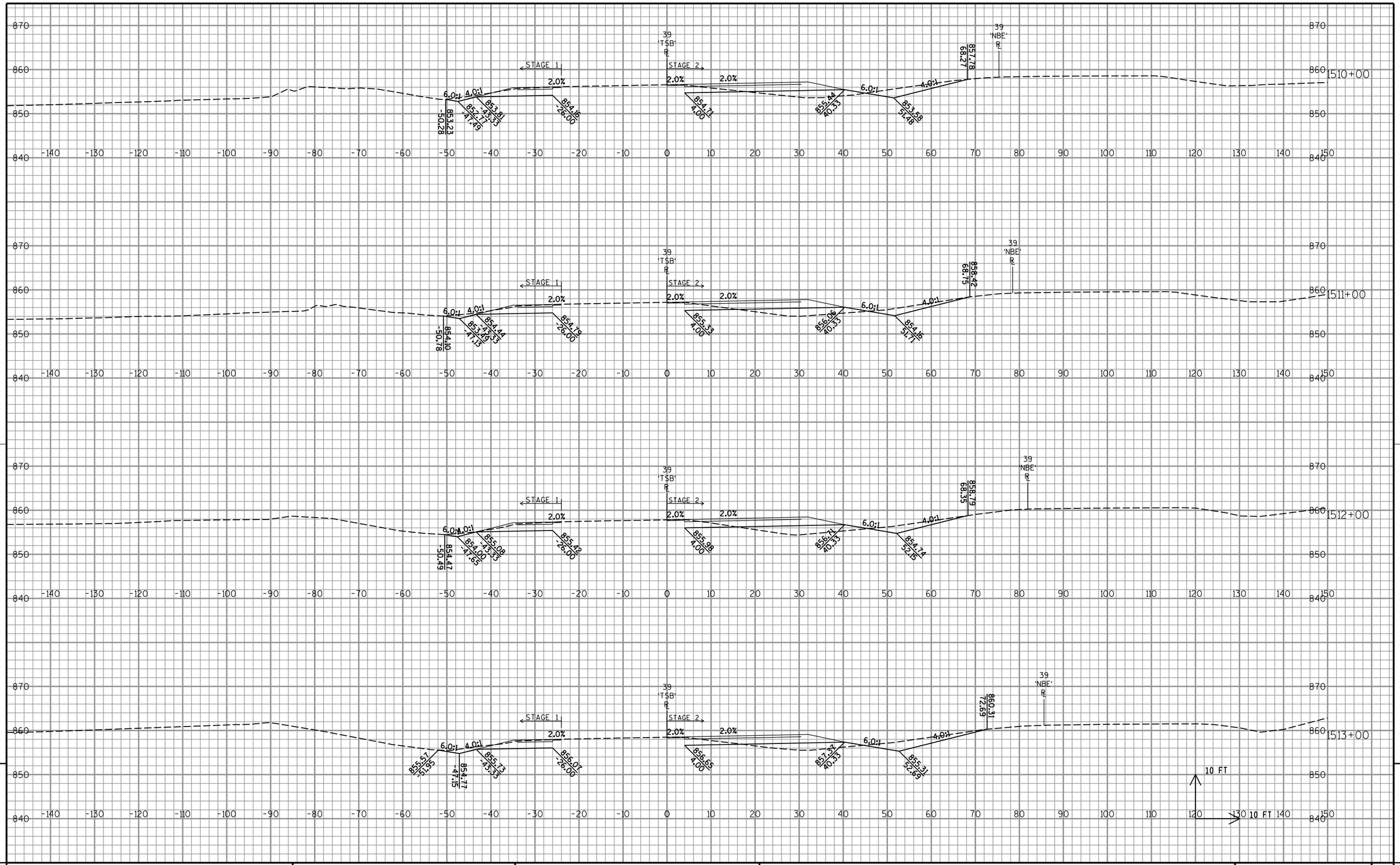


9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 265	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn
PLOT DATE : 8/12/2015
PLOT BY : cti
PLOT NAME :
PLOT SCALE : 1:20
WISDOT/CADDS SHEET 21



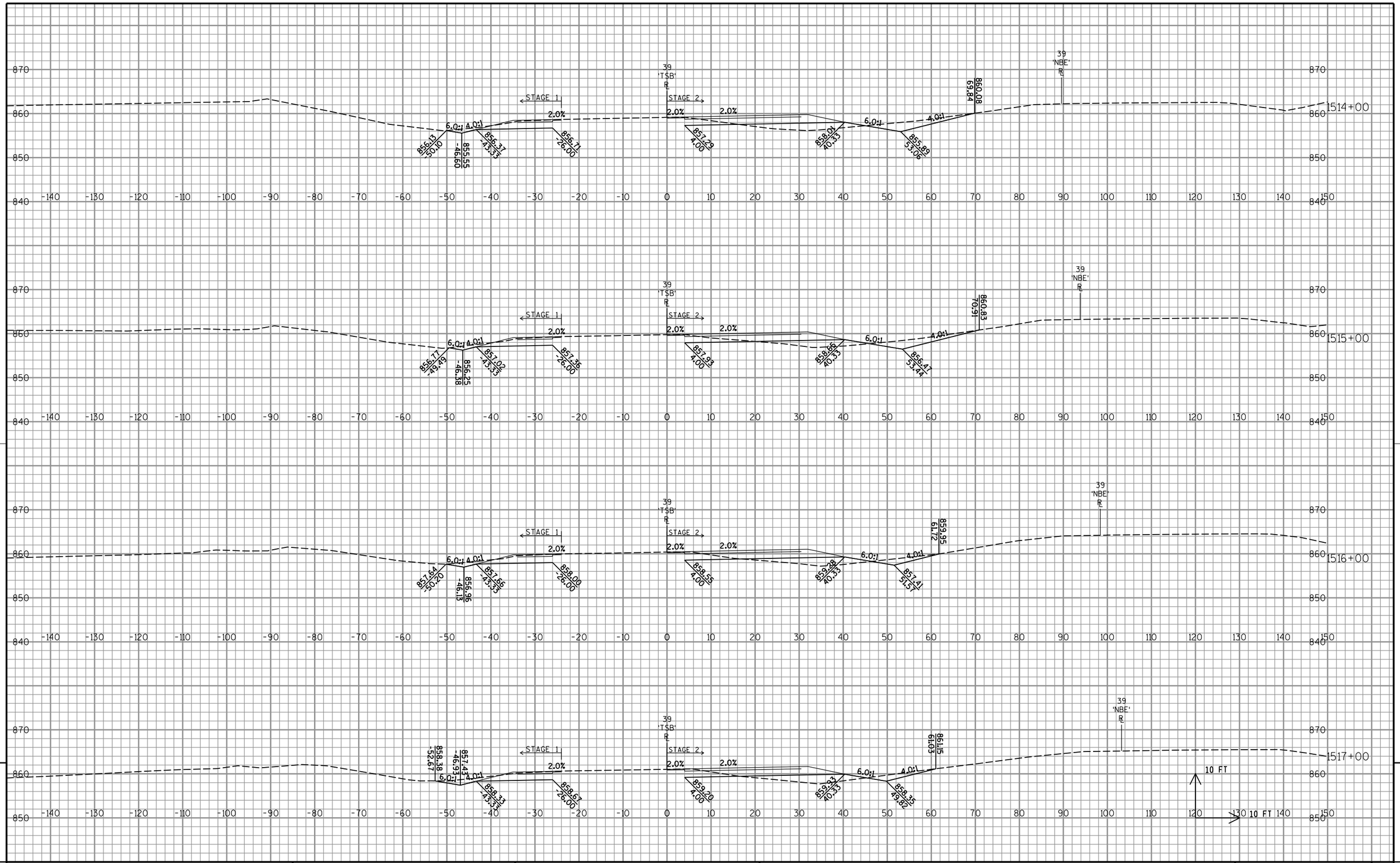
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 266	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

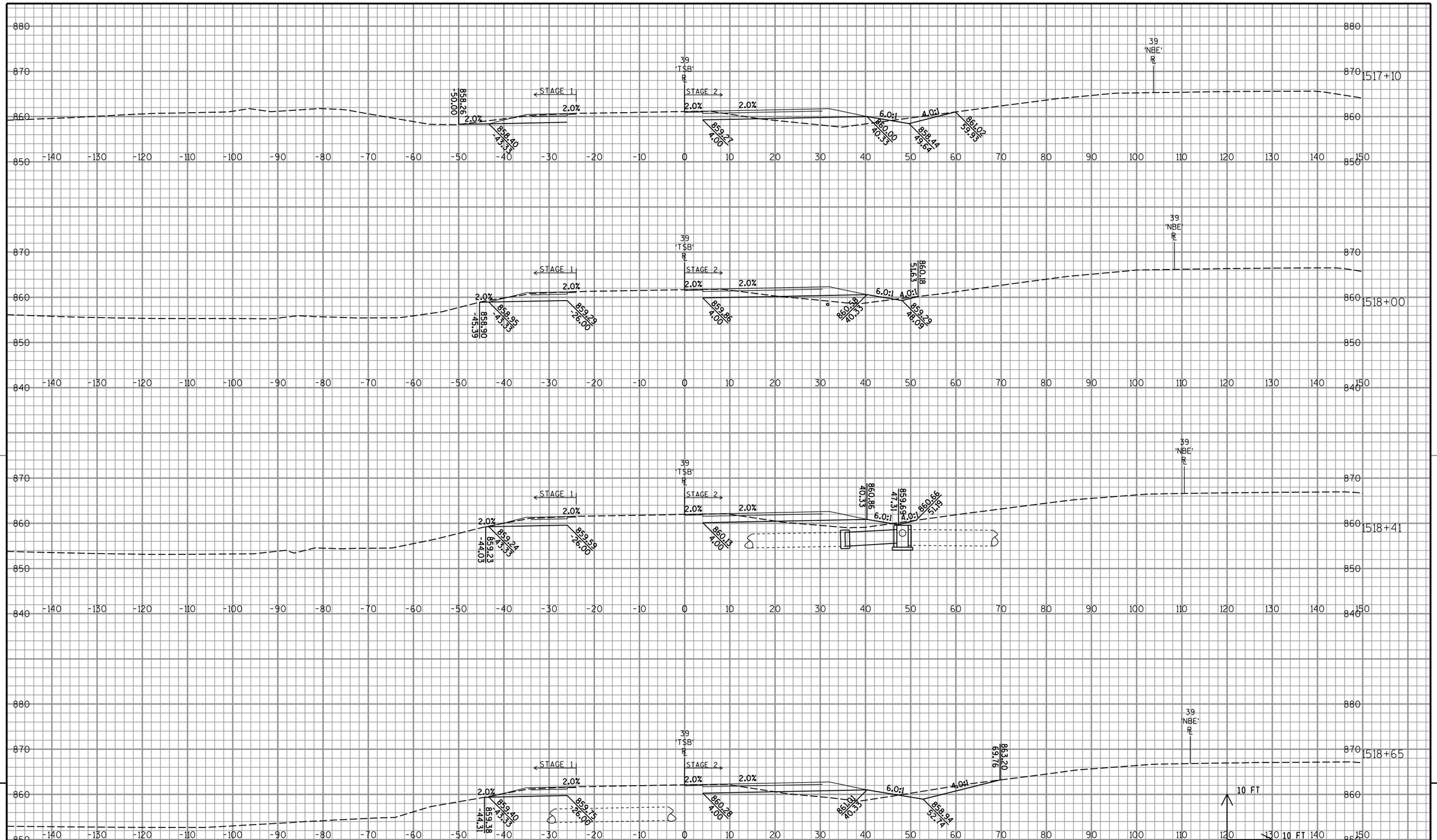
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 267	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

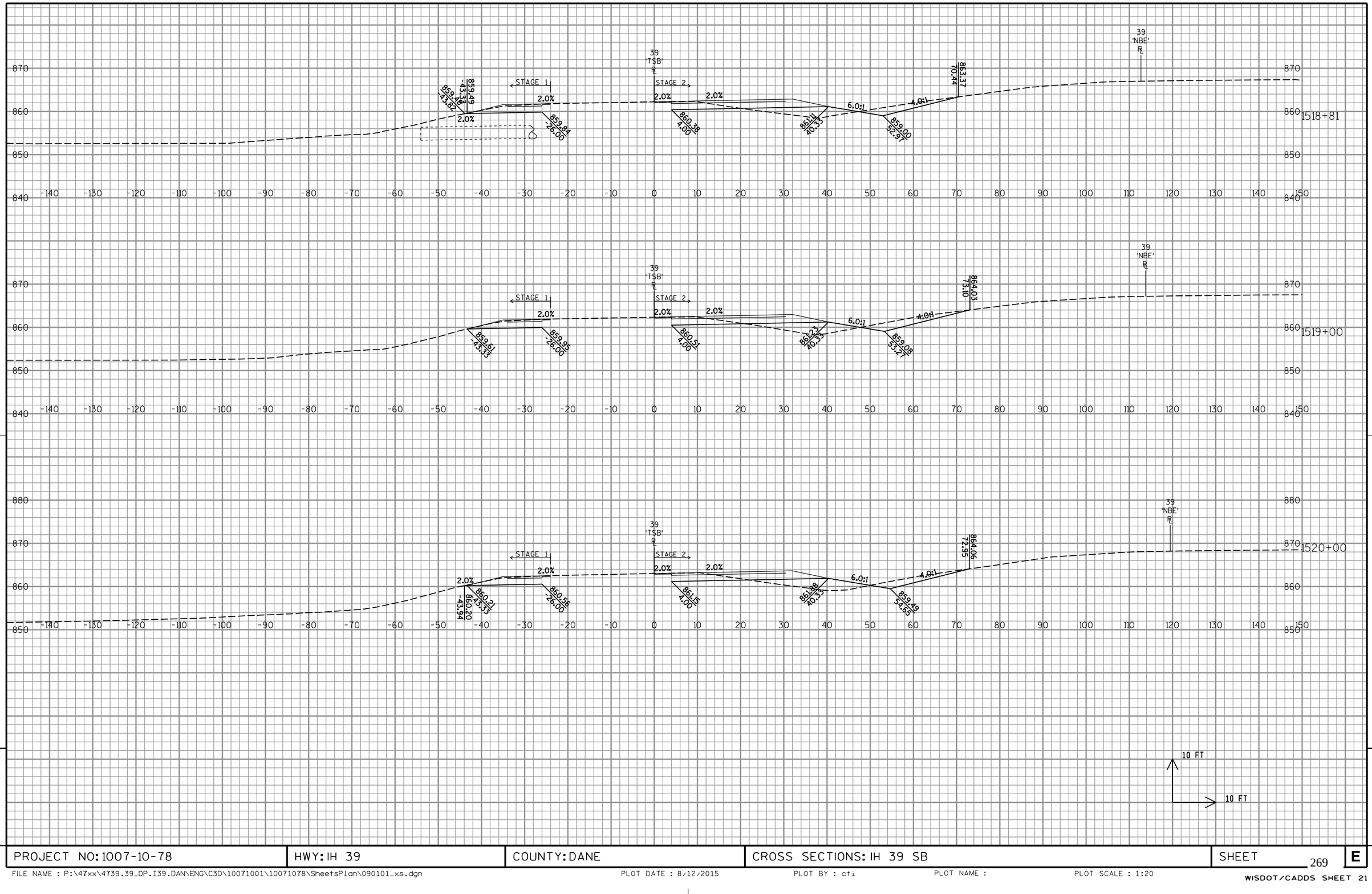
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 268	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



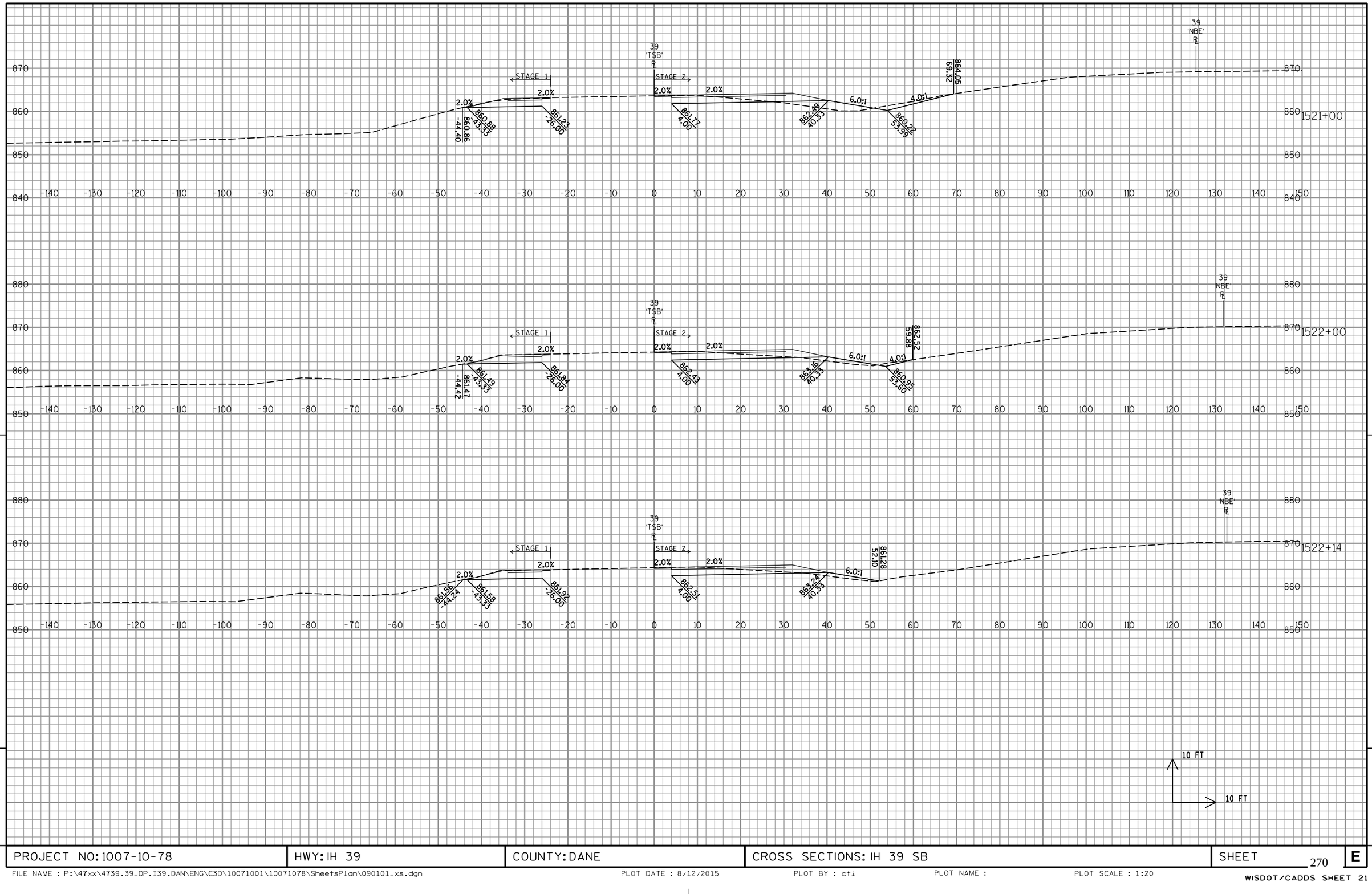
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 269	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

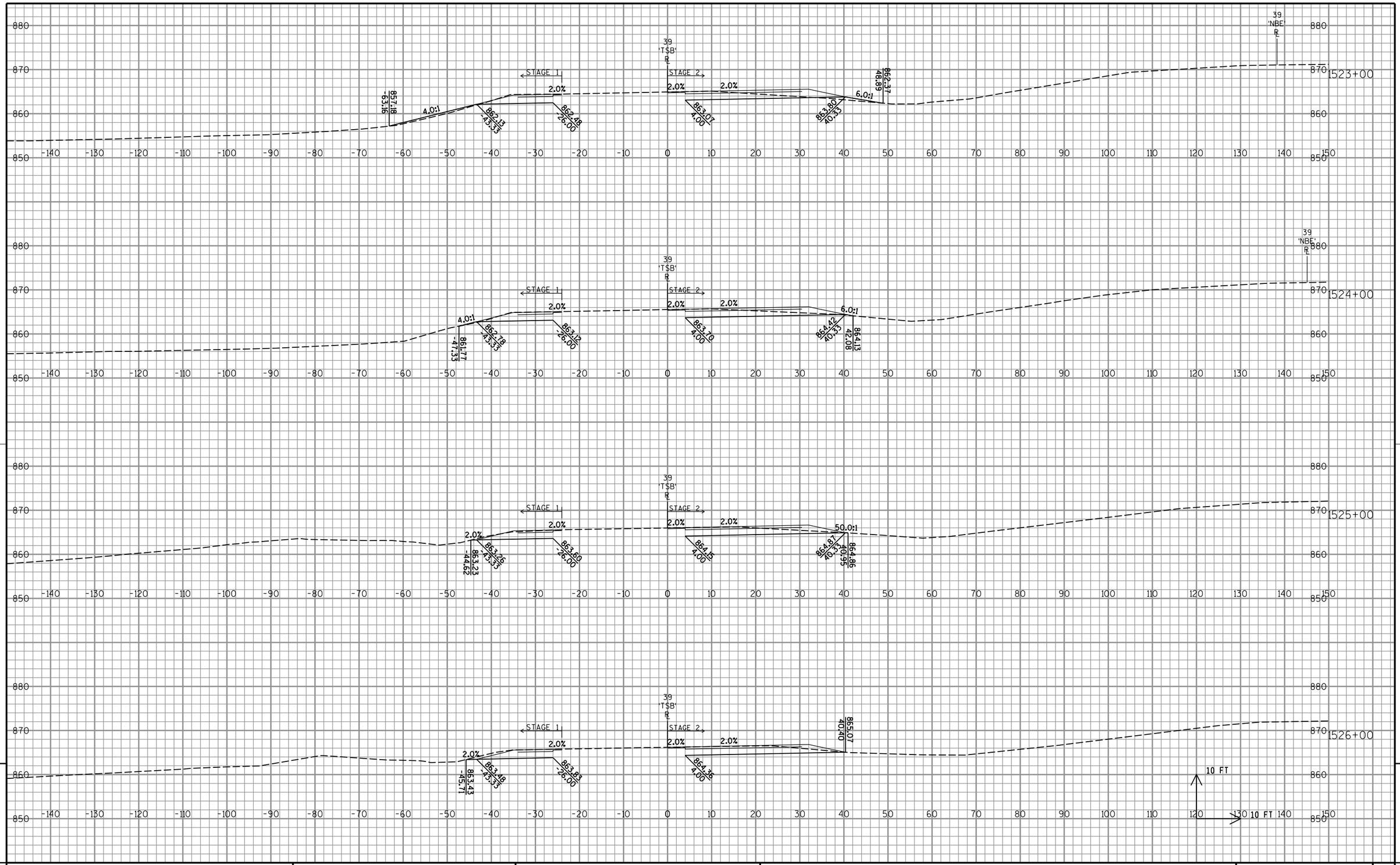
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 270	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

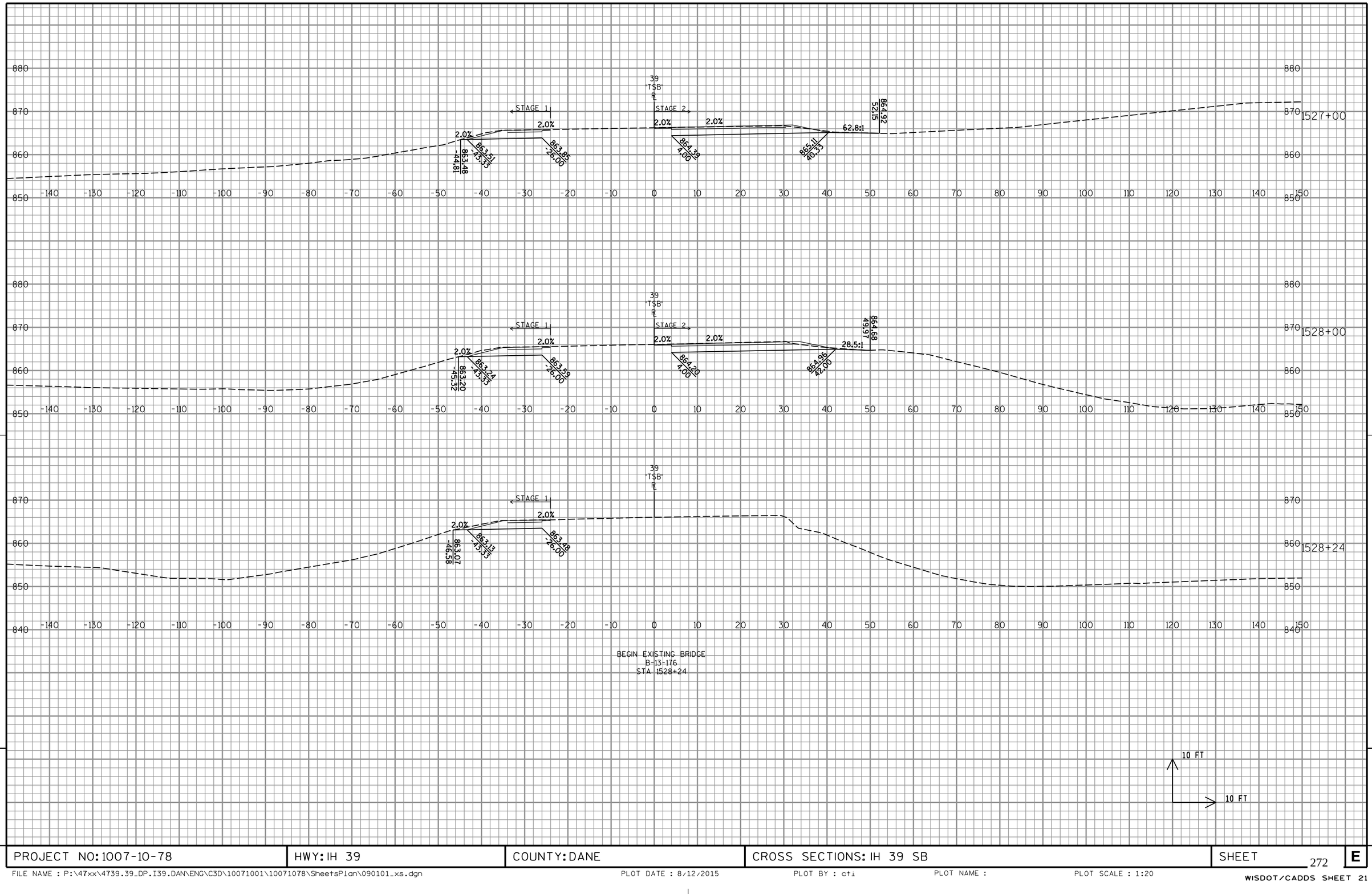
WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 271	E



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 272	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

END EXISTING BRIDGE
B-13-176
STA 1530+14 'TSB'

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 273	E

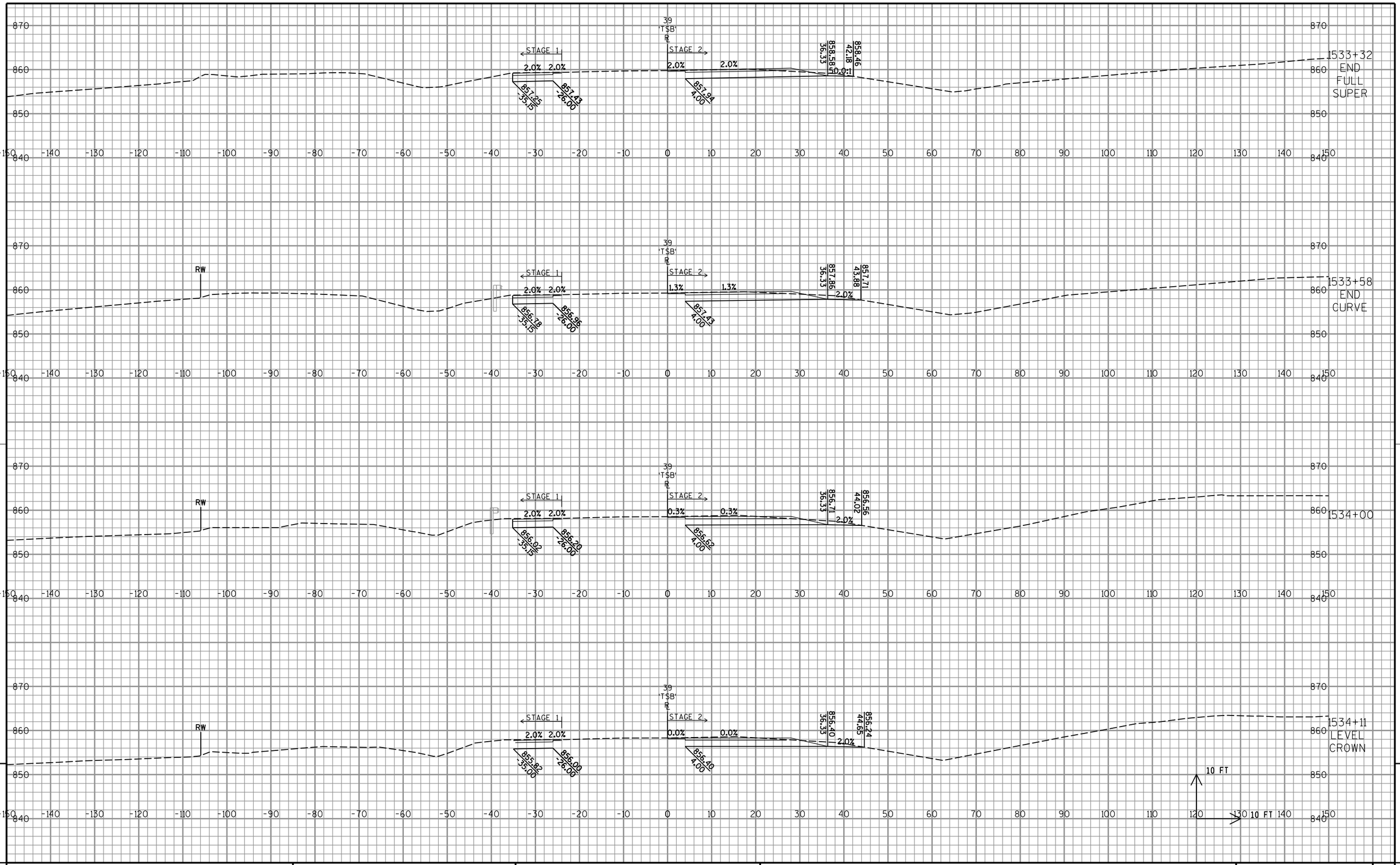
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn
PLOT DATE : 8/12/2015
PLOT BY : cti
PLOT NAME :
PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 274	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

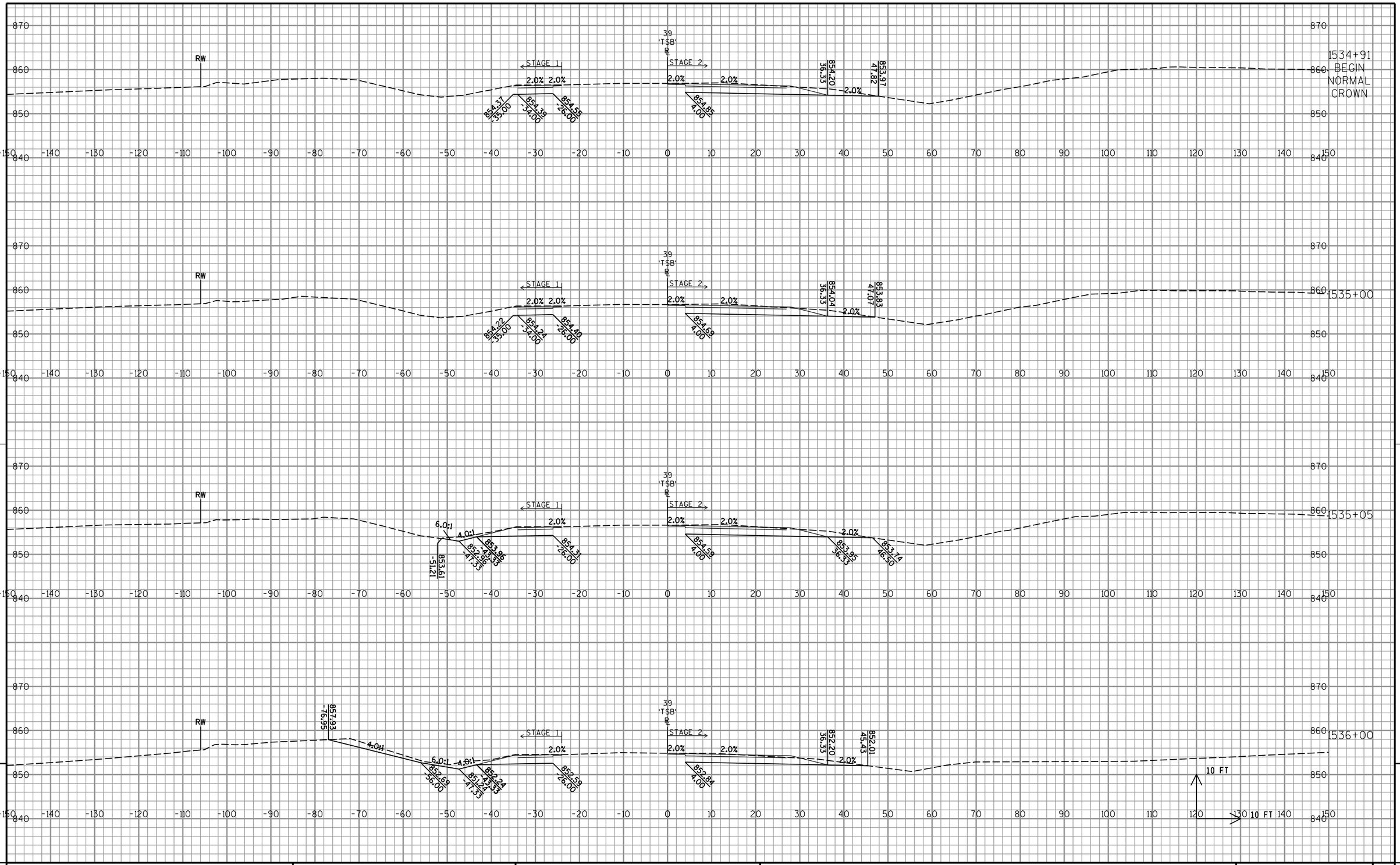
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 275	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

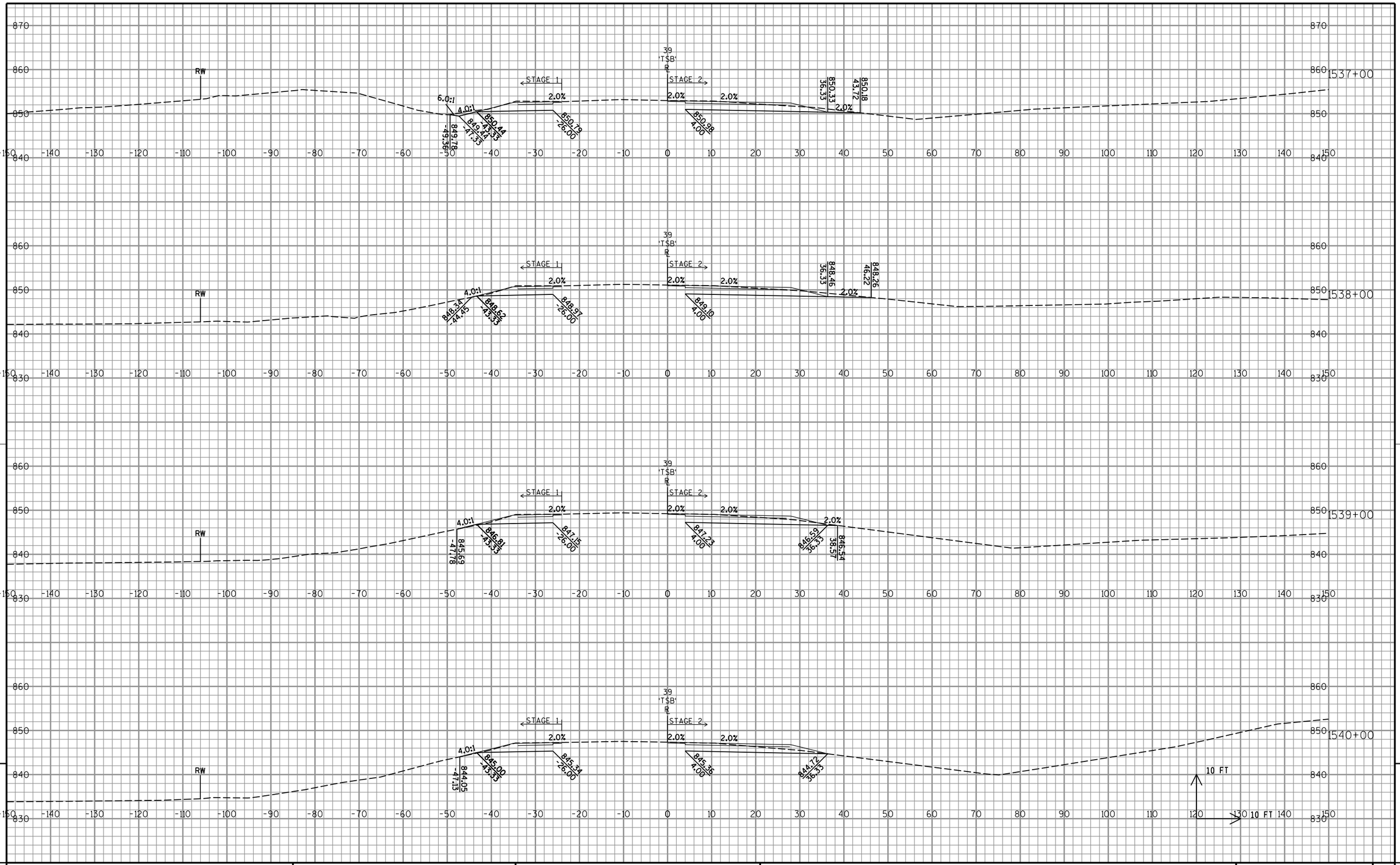
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 276	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

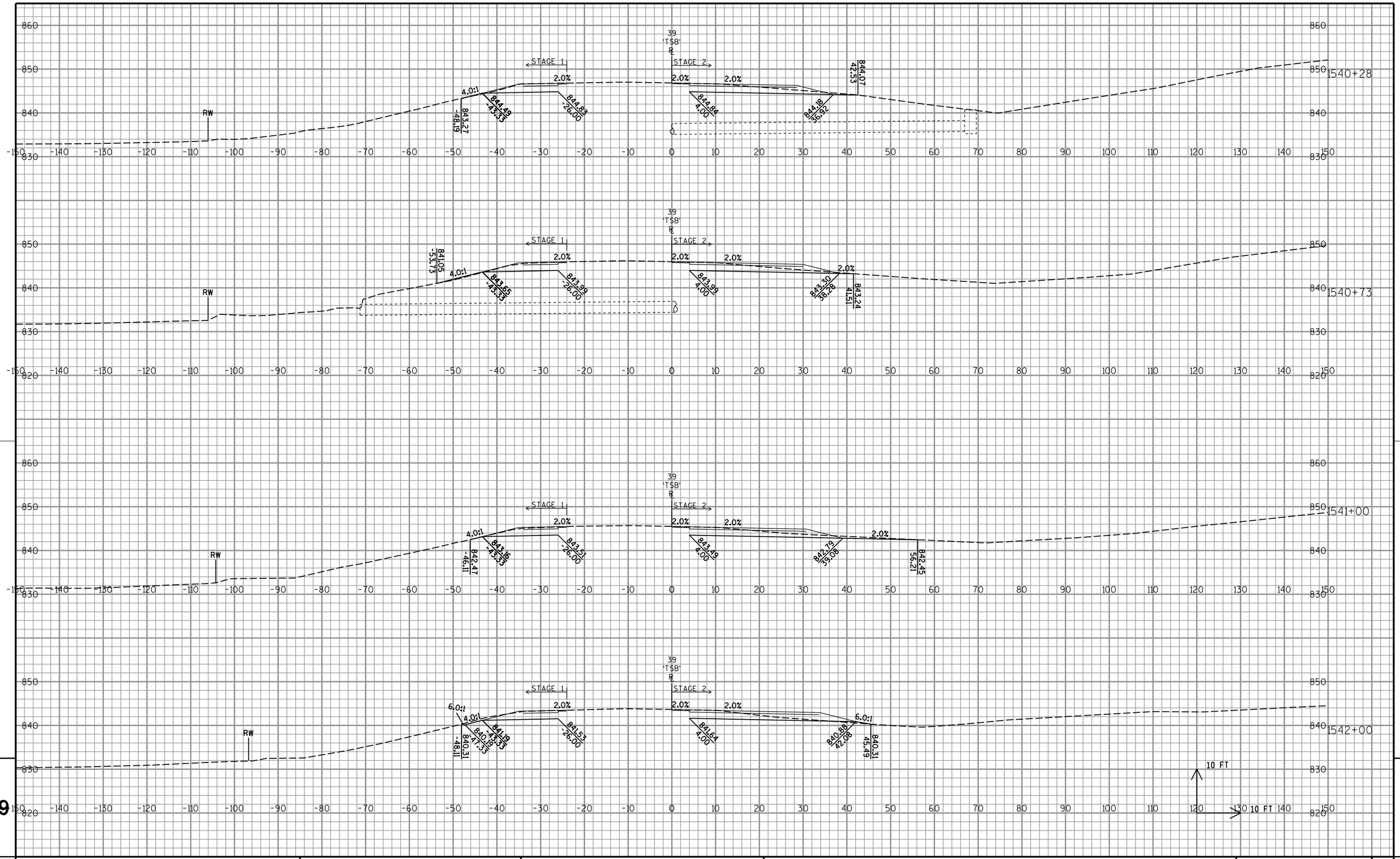
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 277	E

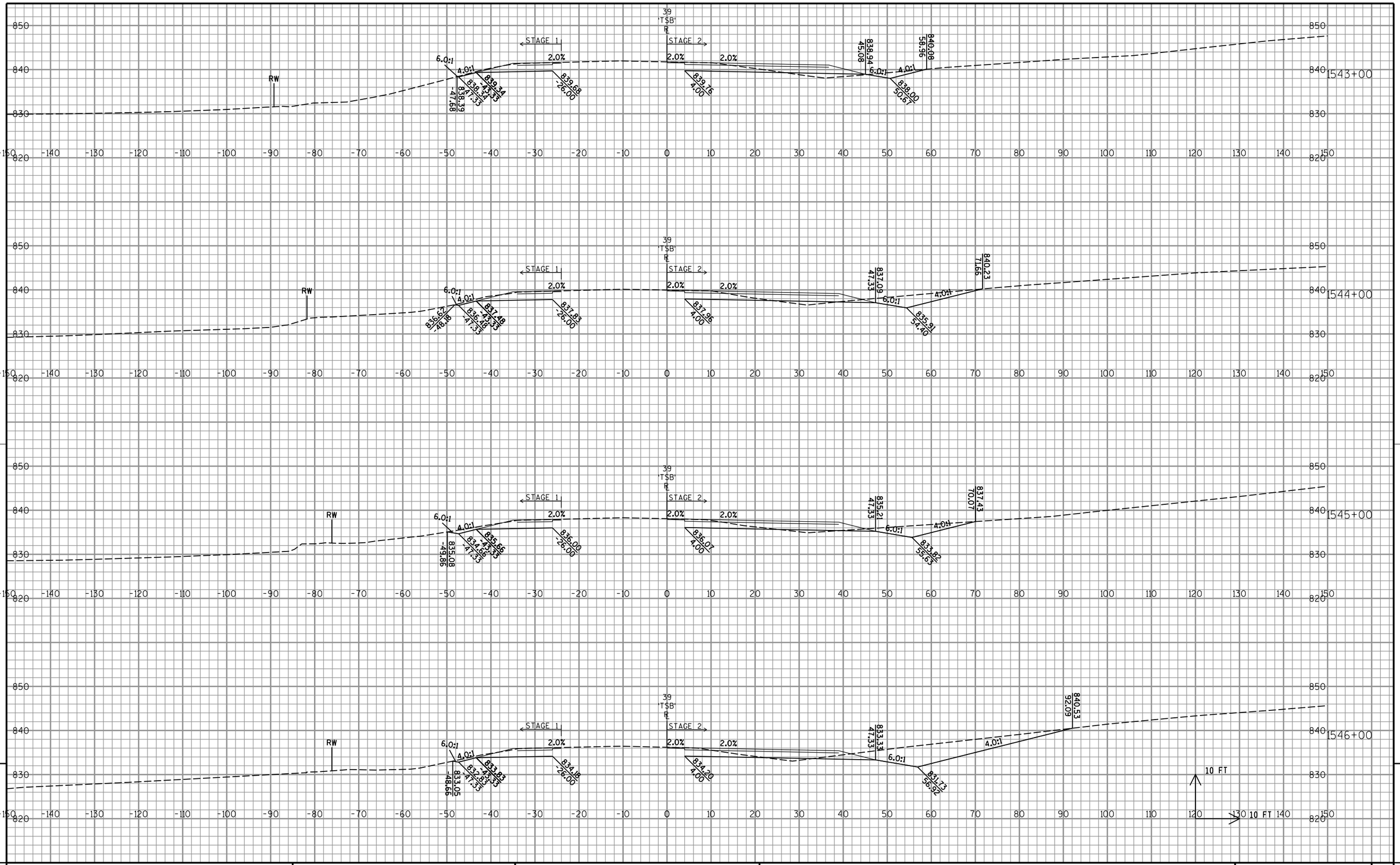
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



9

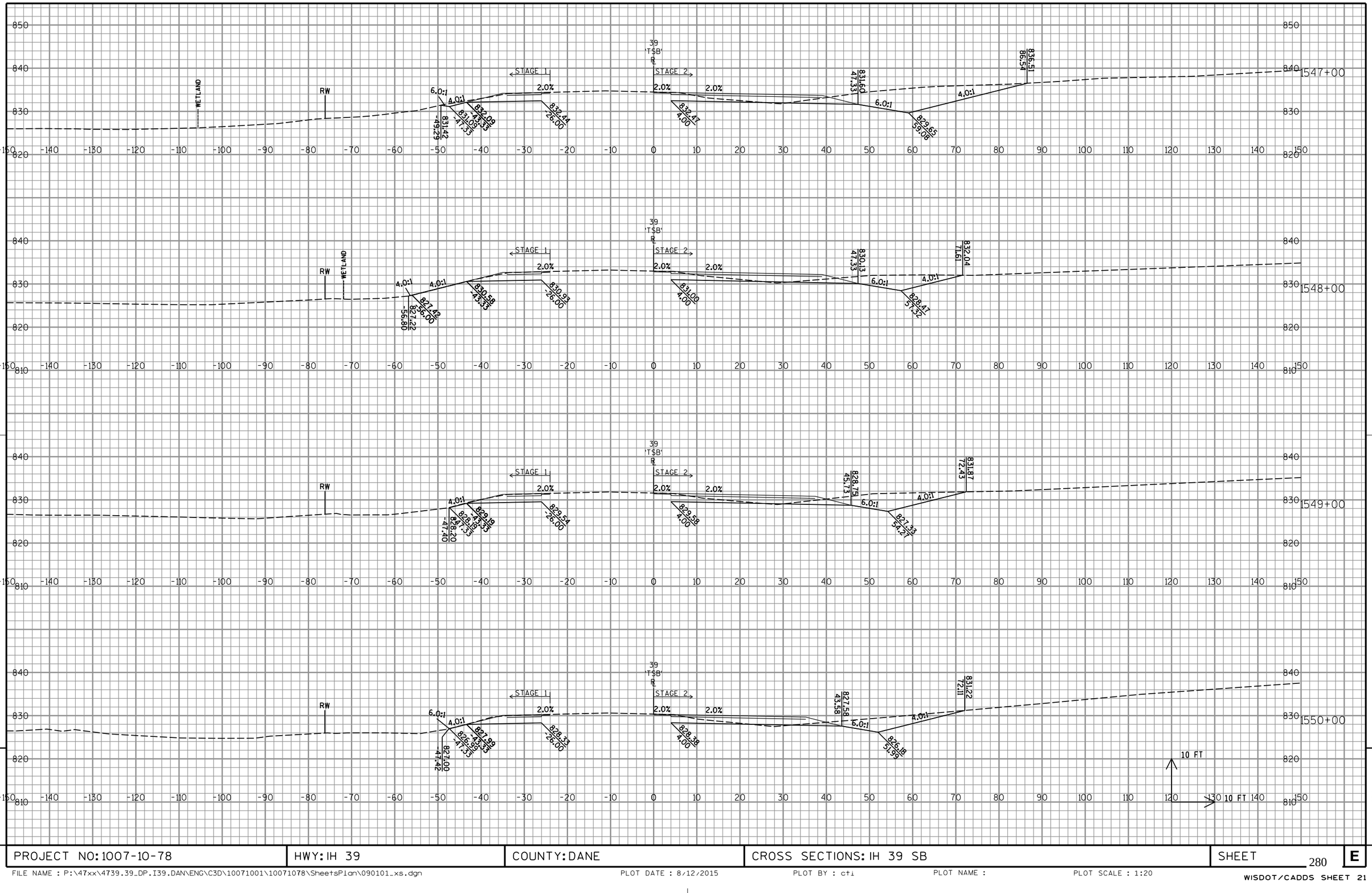
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 278	E



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 279	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn
PLOT DATE : 8/12/2015
PLOT BY : cti
PLOT NAME :
PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



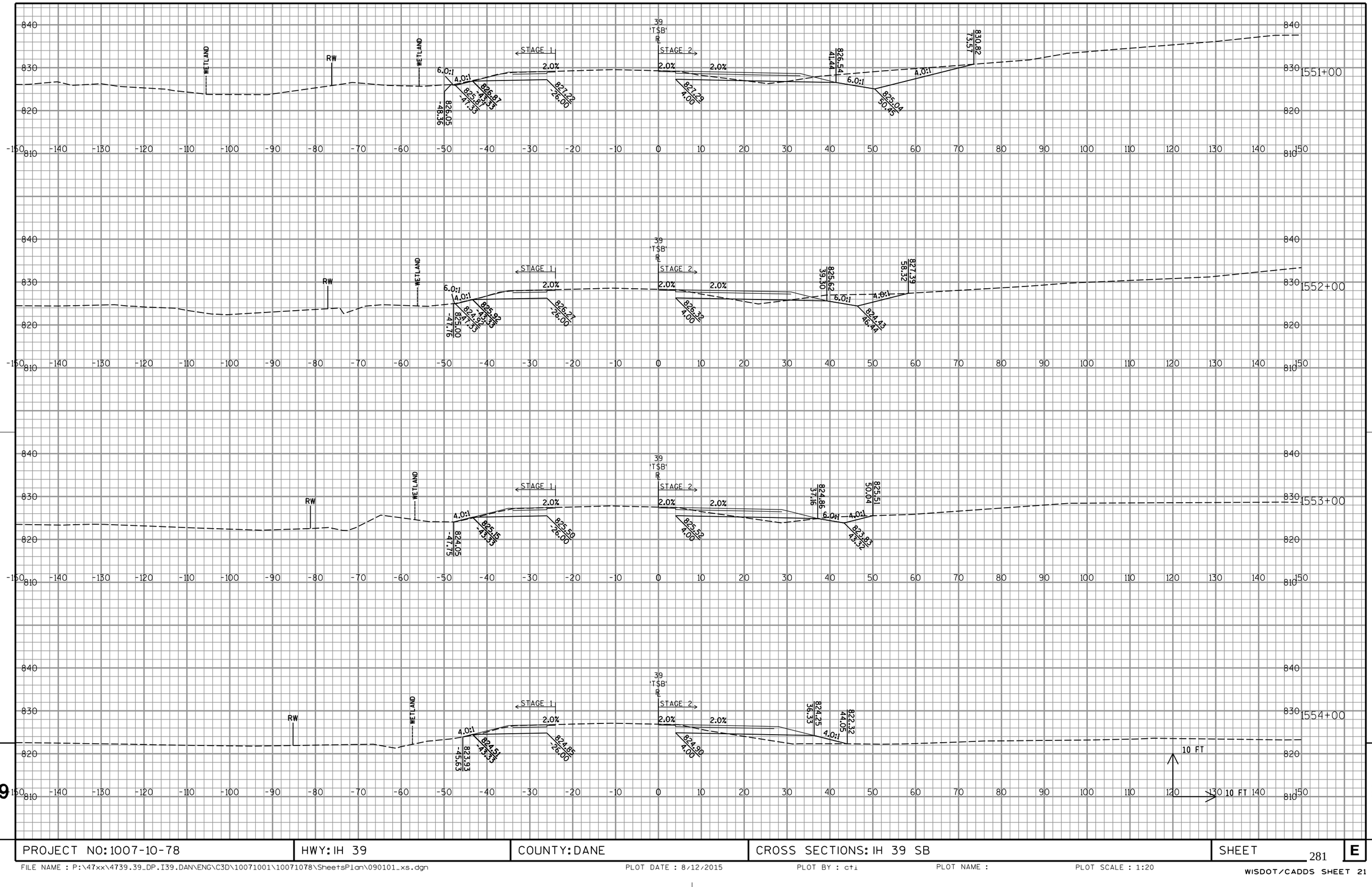
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 280	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

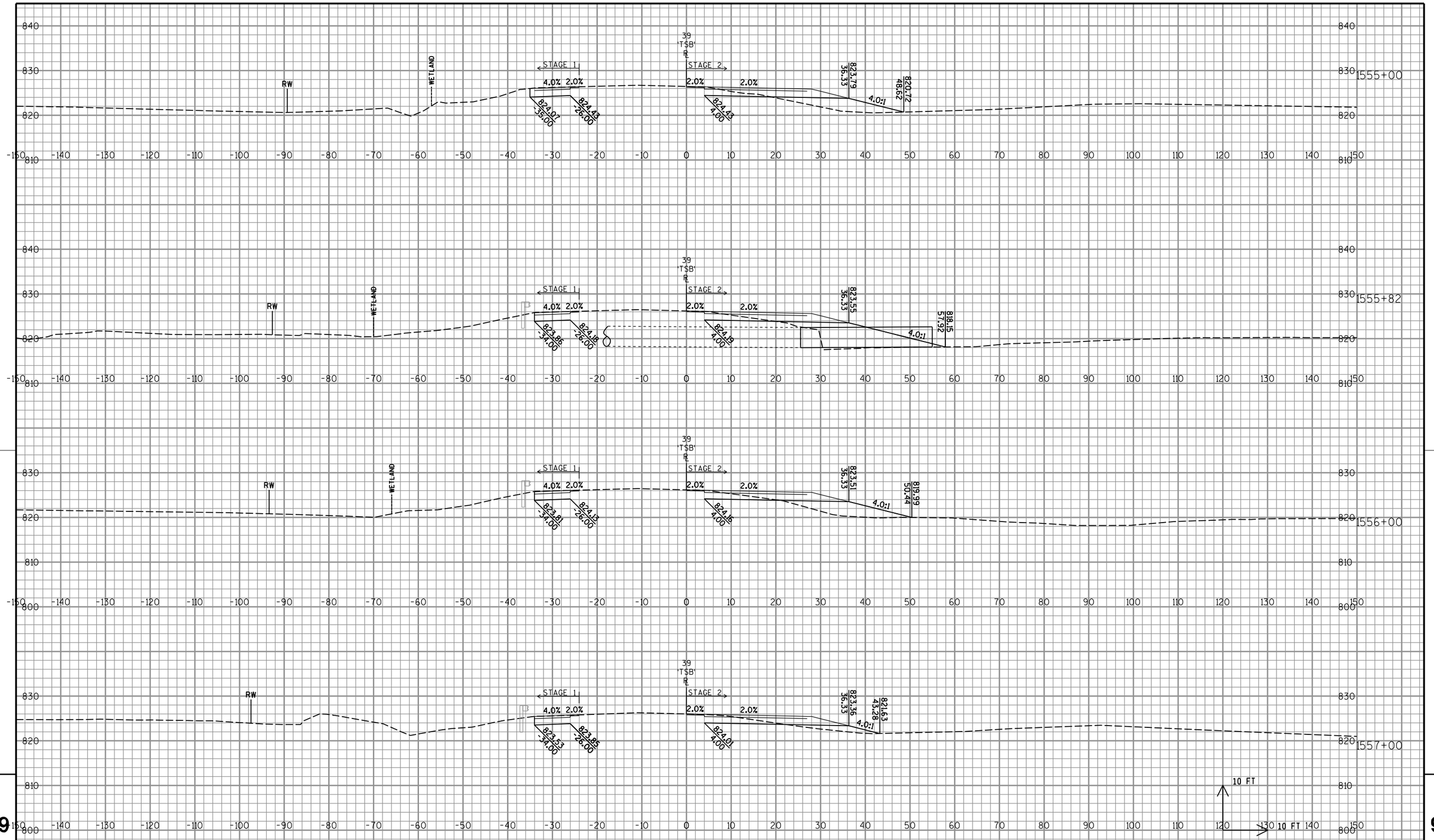
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 281	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

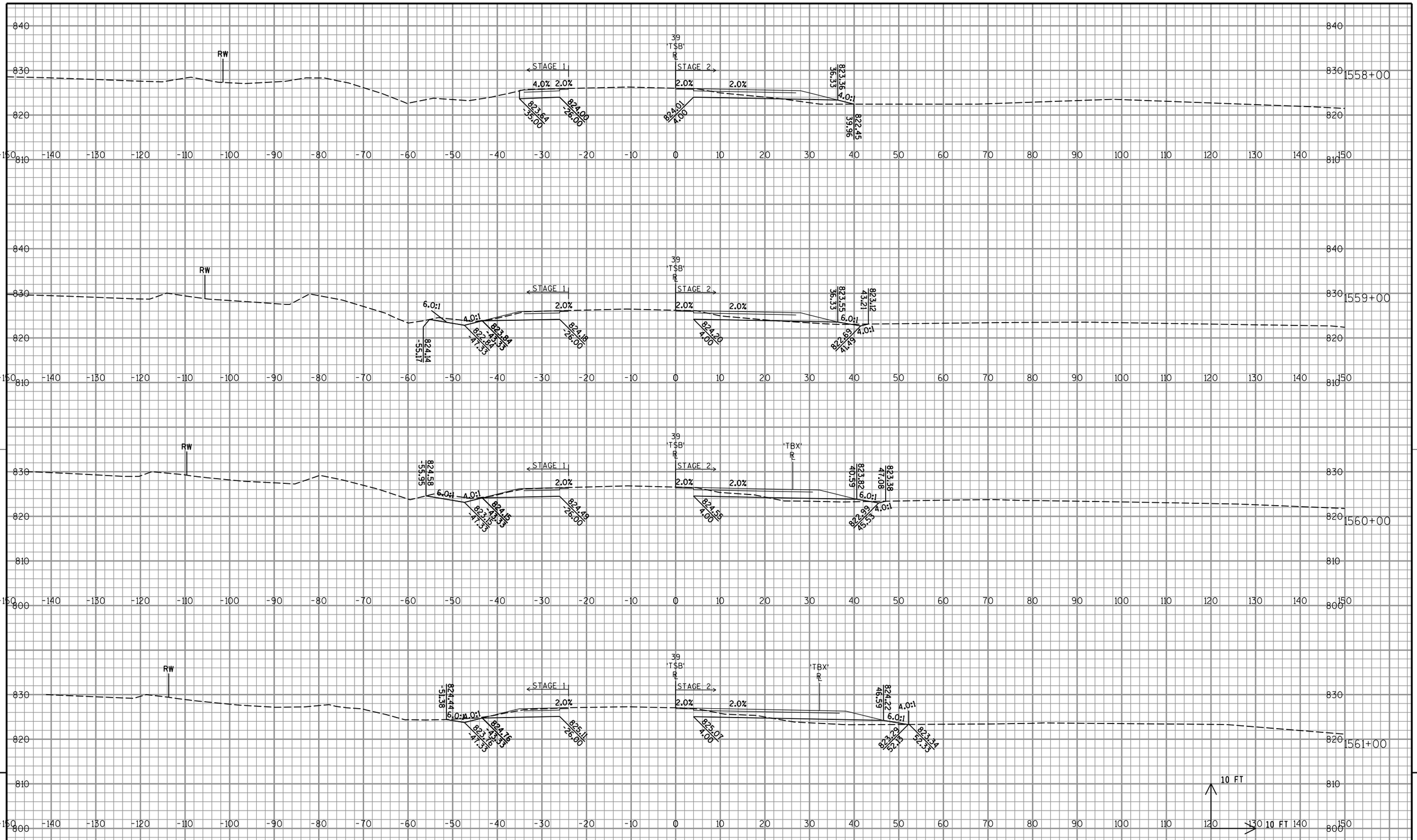
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 282	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

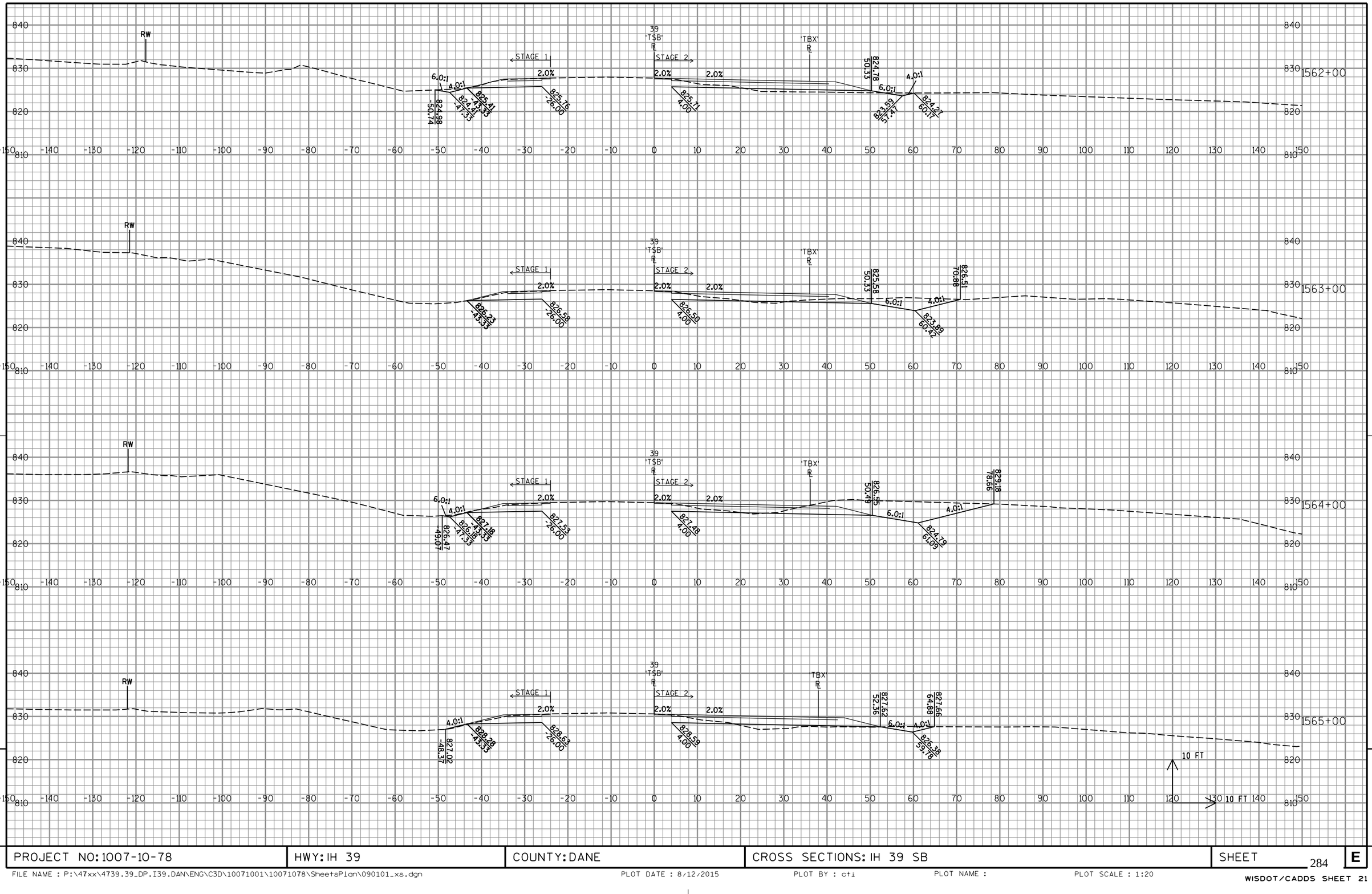
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 283	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

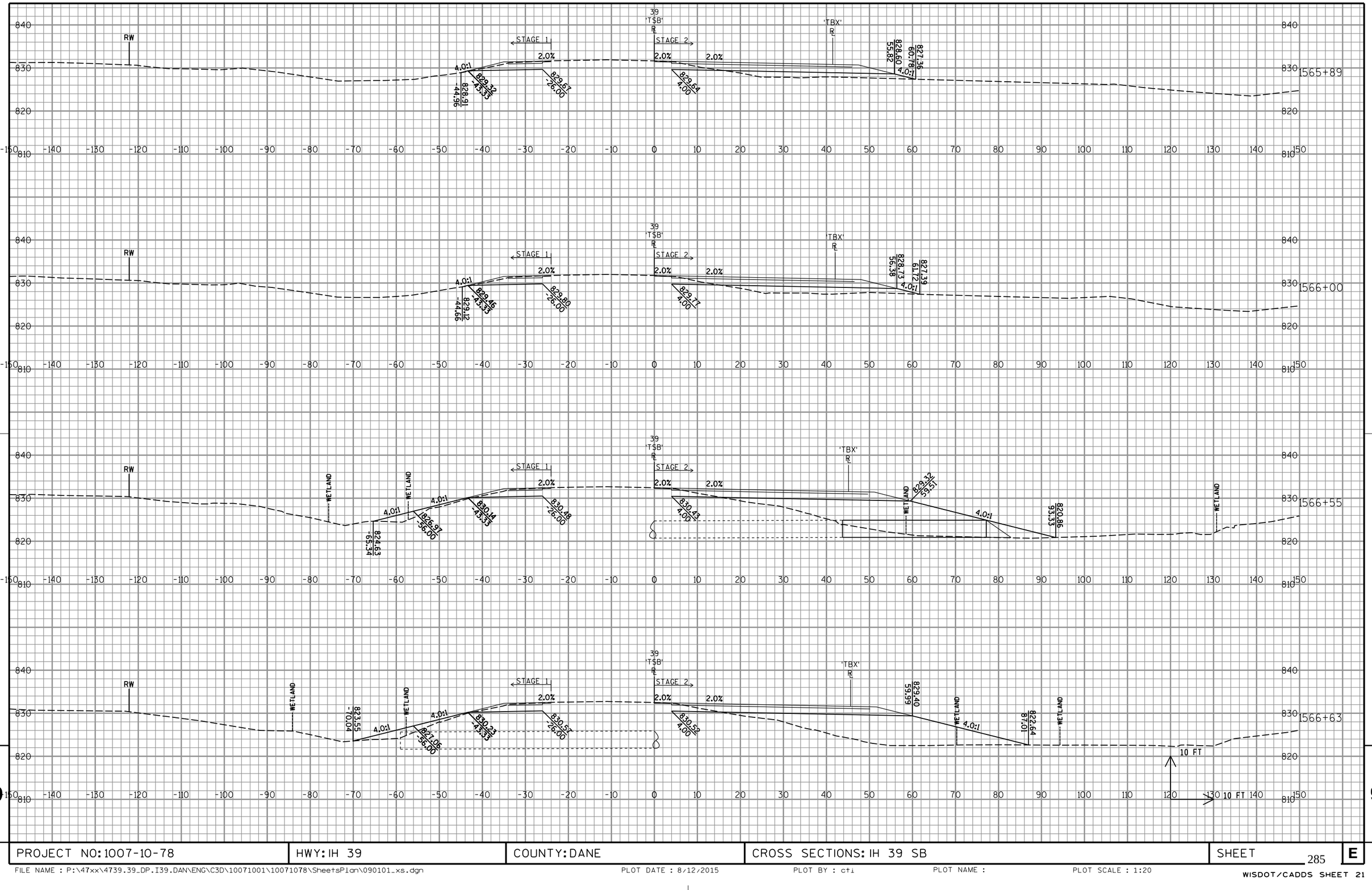
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 284	E

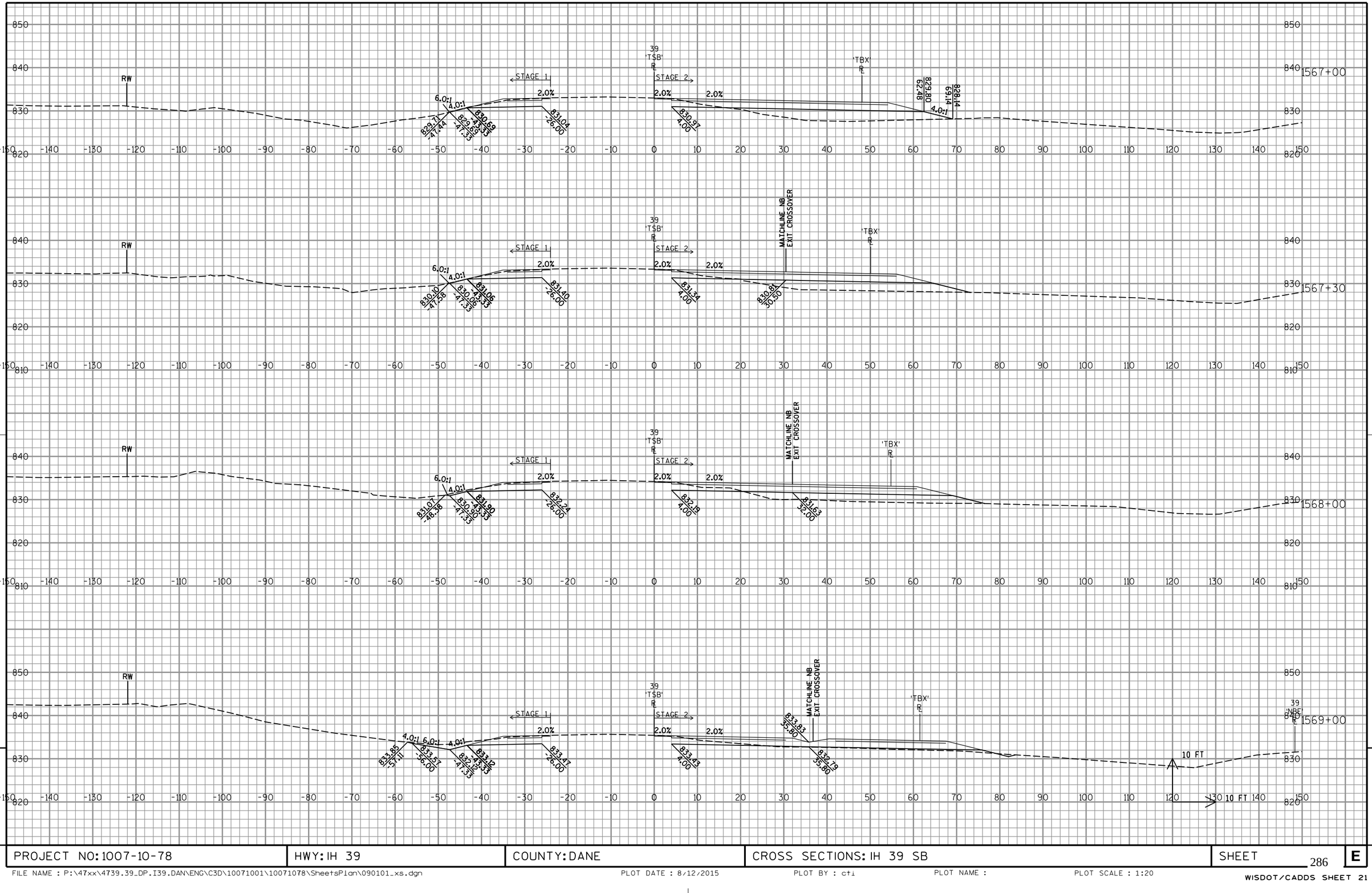
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 285	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn
PLOT DATE : 8/12/2015
PLOT BY : cti
PLOT NAME :
PLOT SCALE : 1:20
WISDOT/CADDS SHEET 21

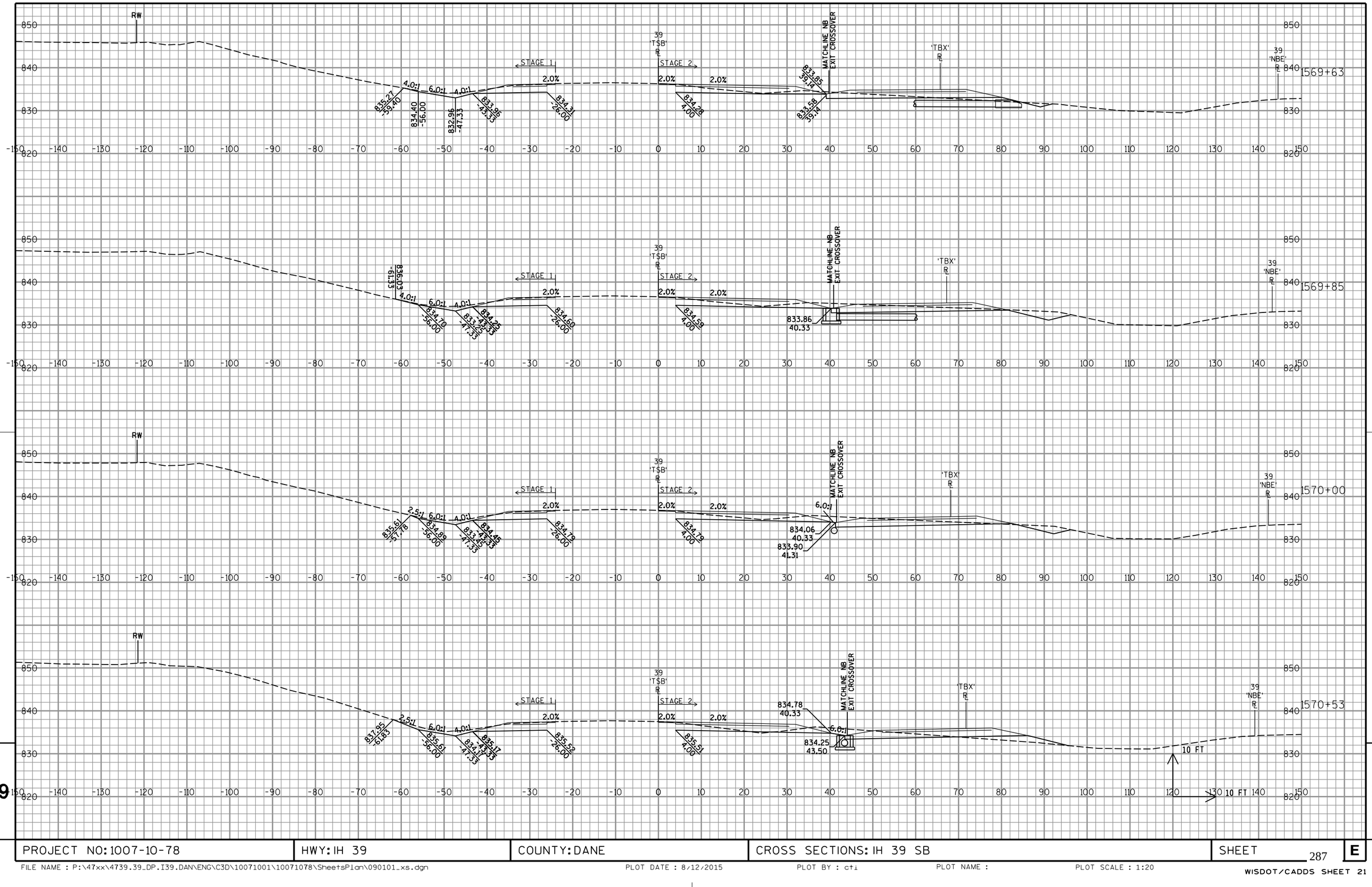


9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 286	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn
PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

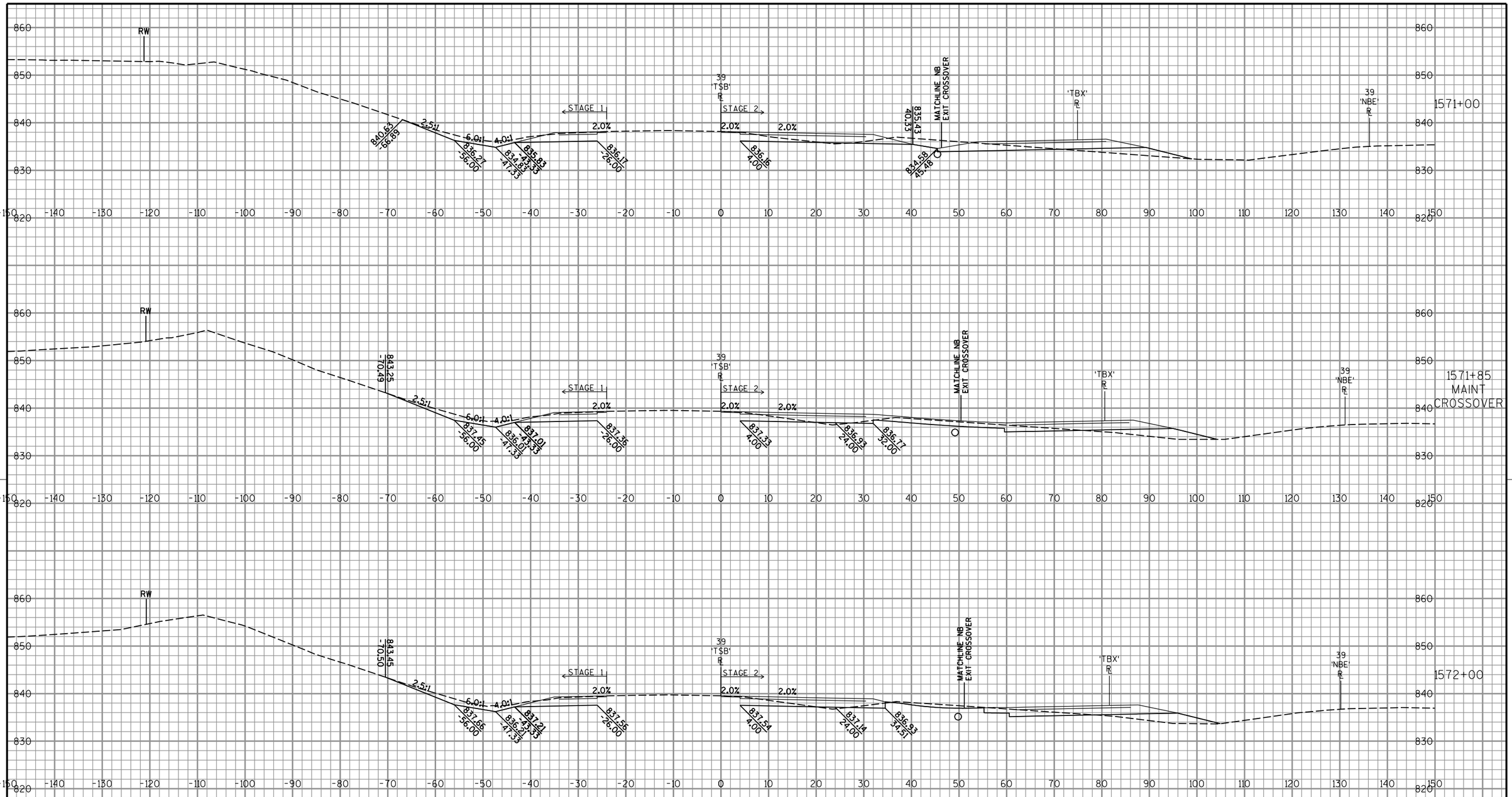


9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 287	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

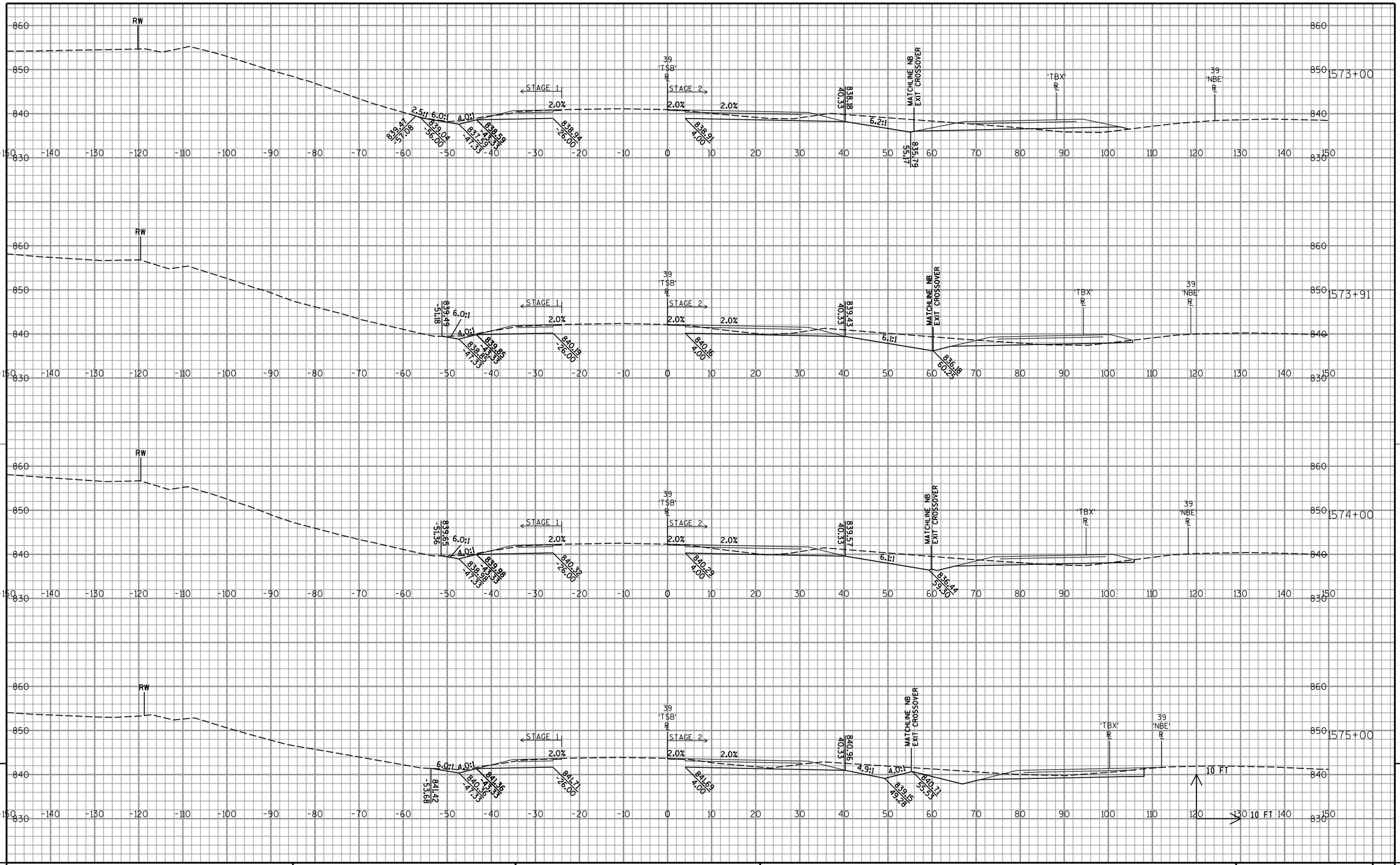
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 288	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

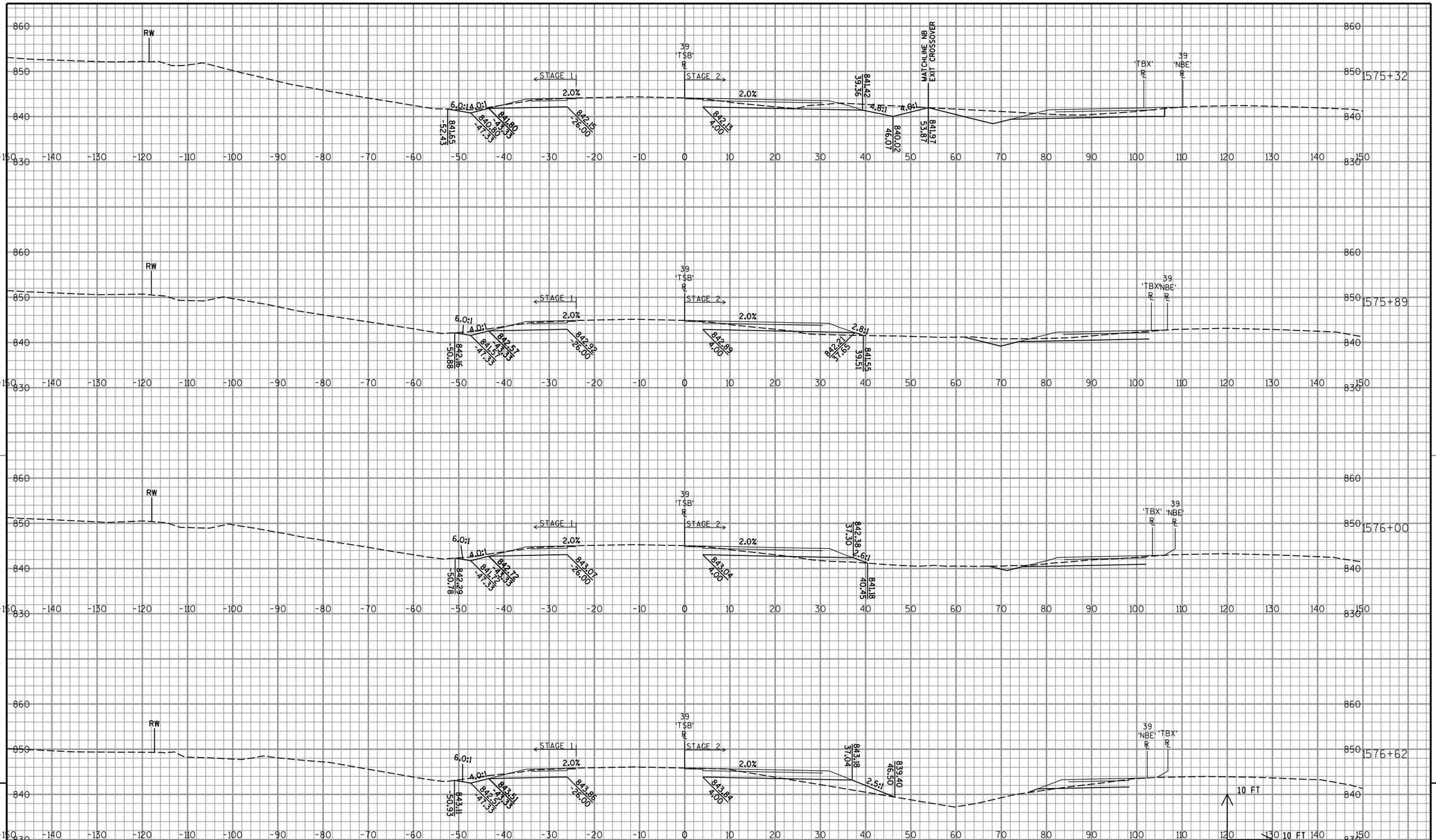
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 289	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



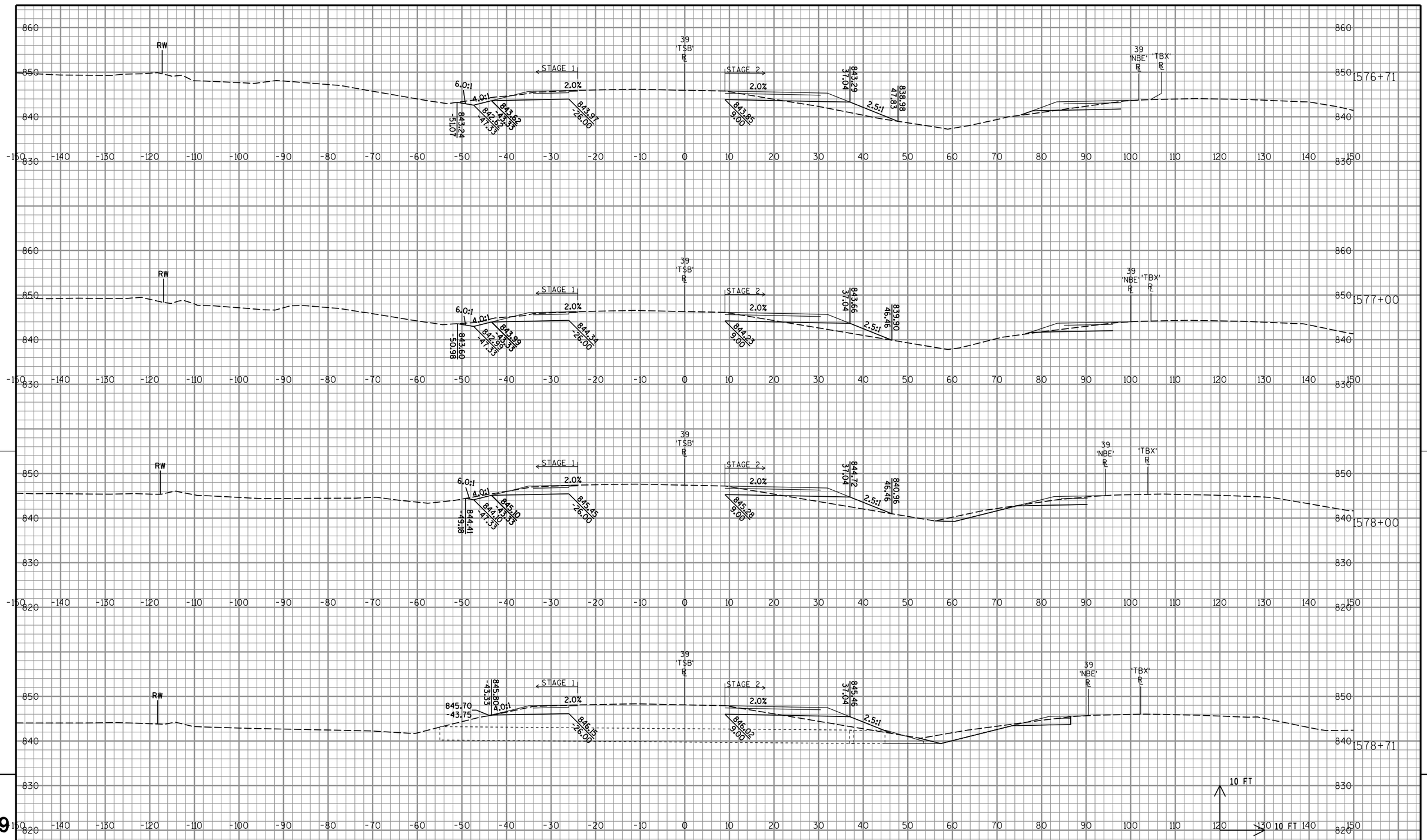
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 290	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

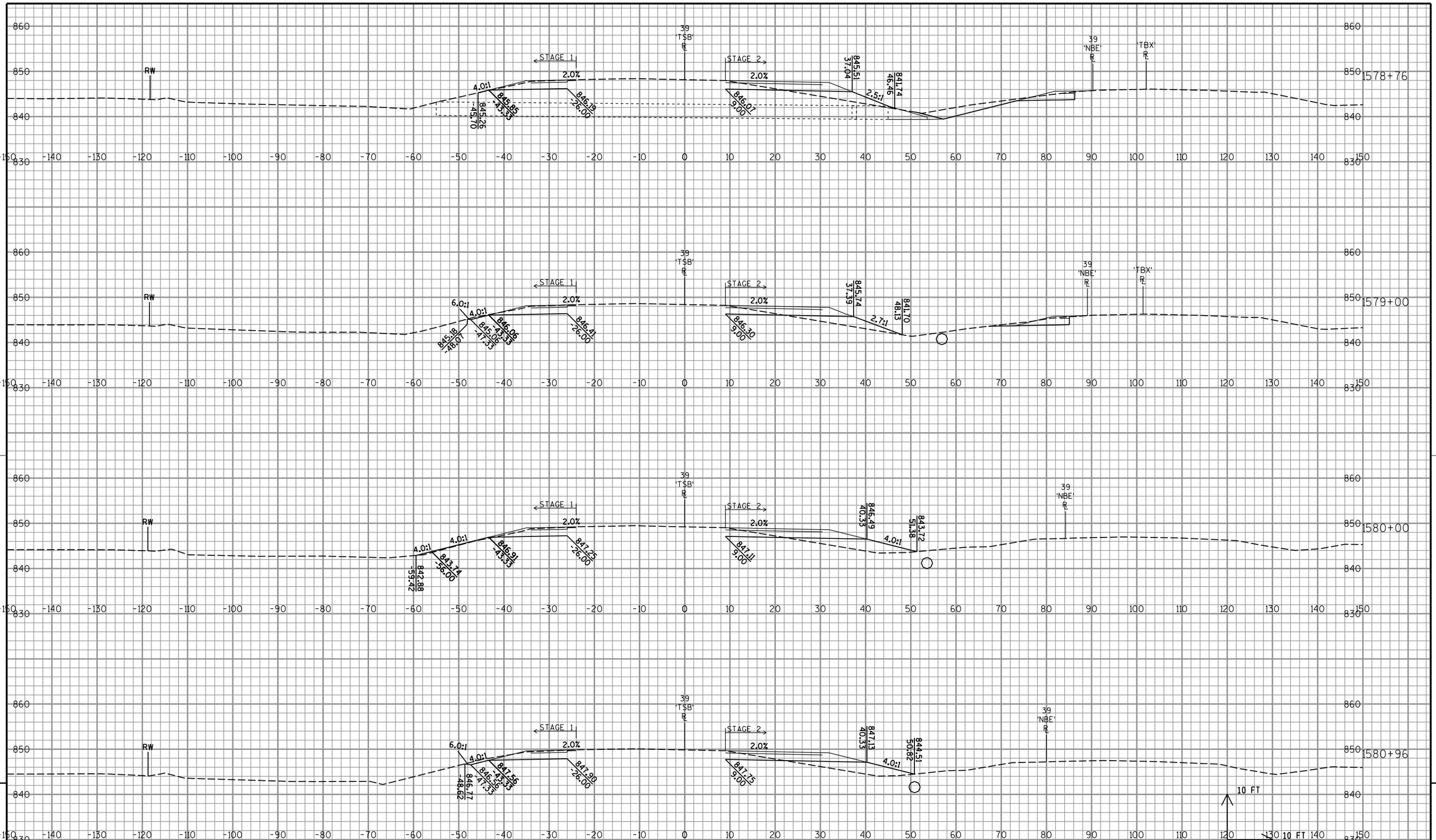
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 291	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

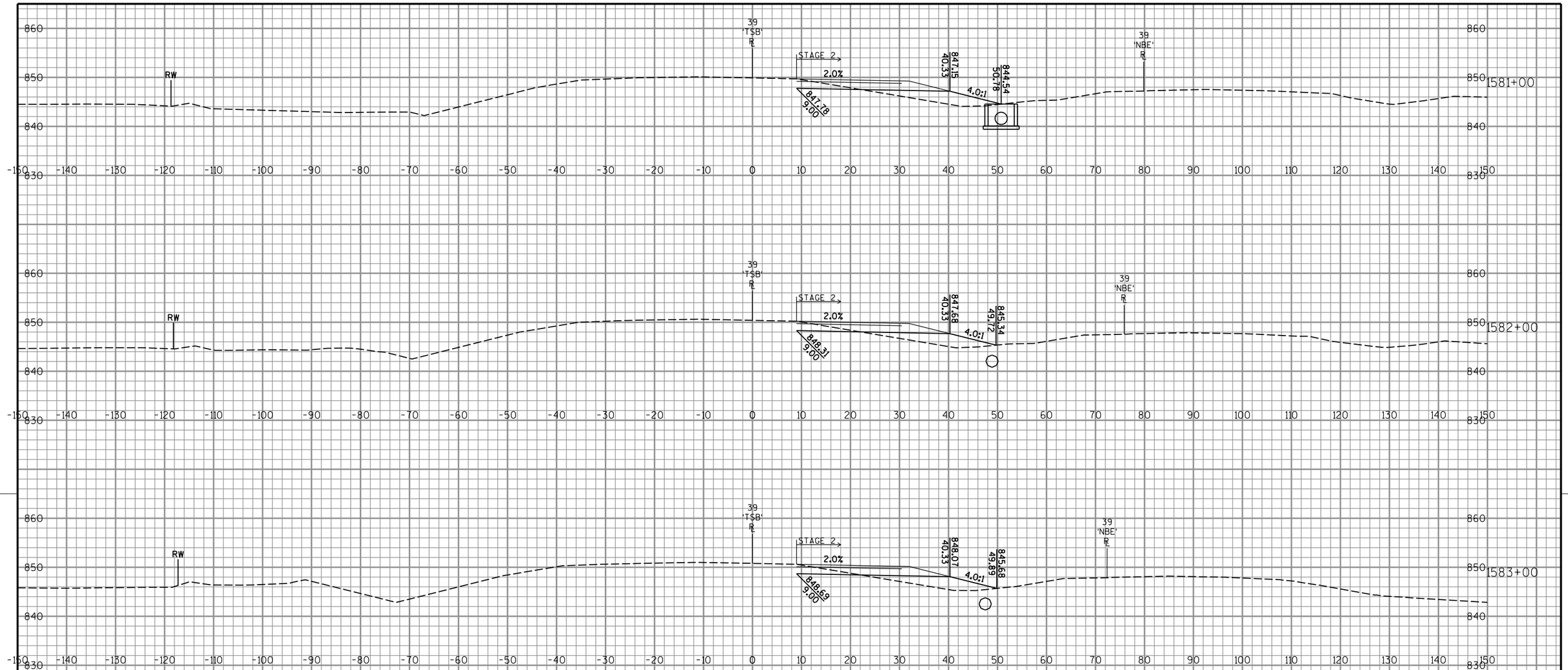
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 292	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



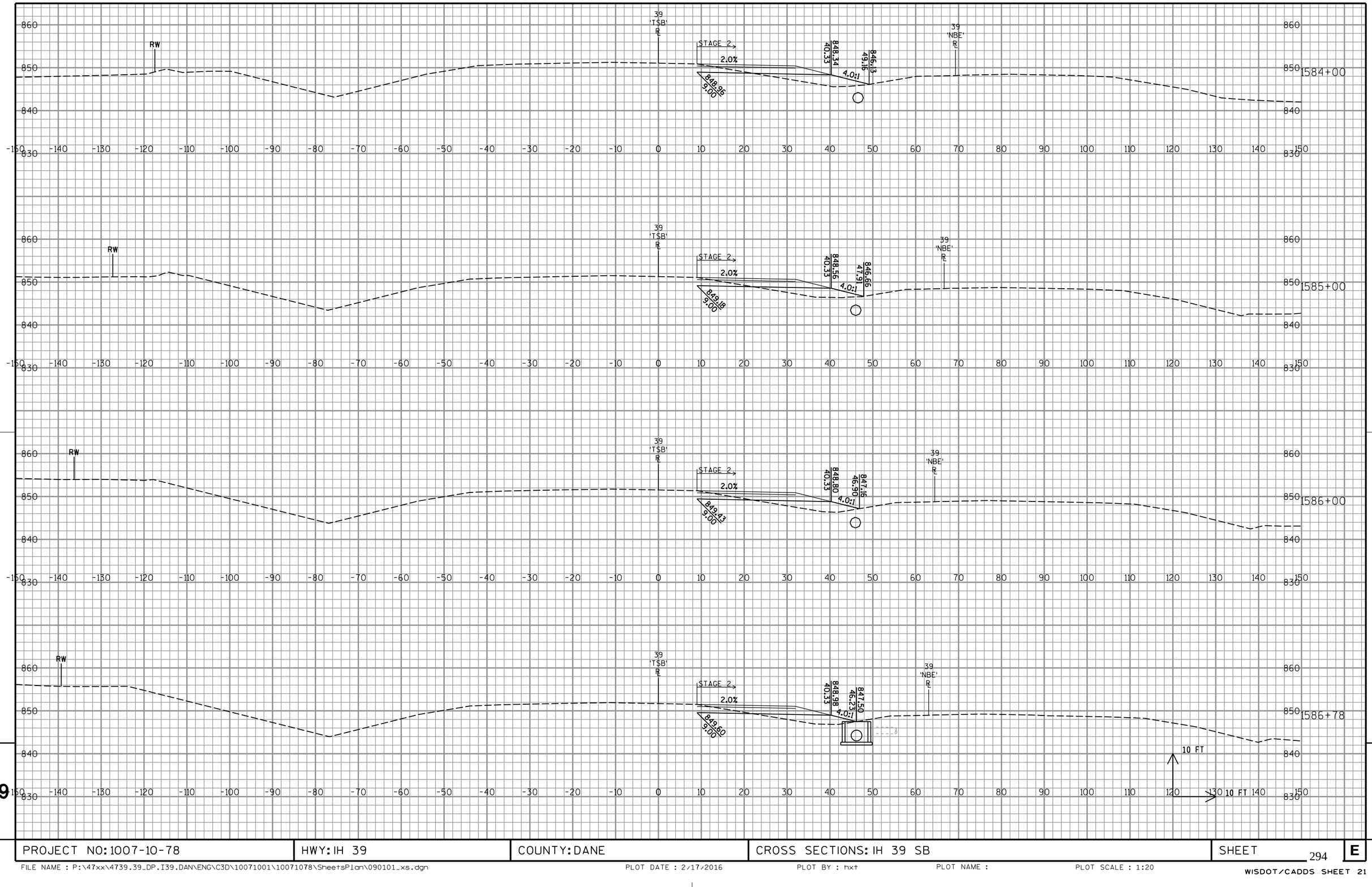
9

9

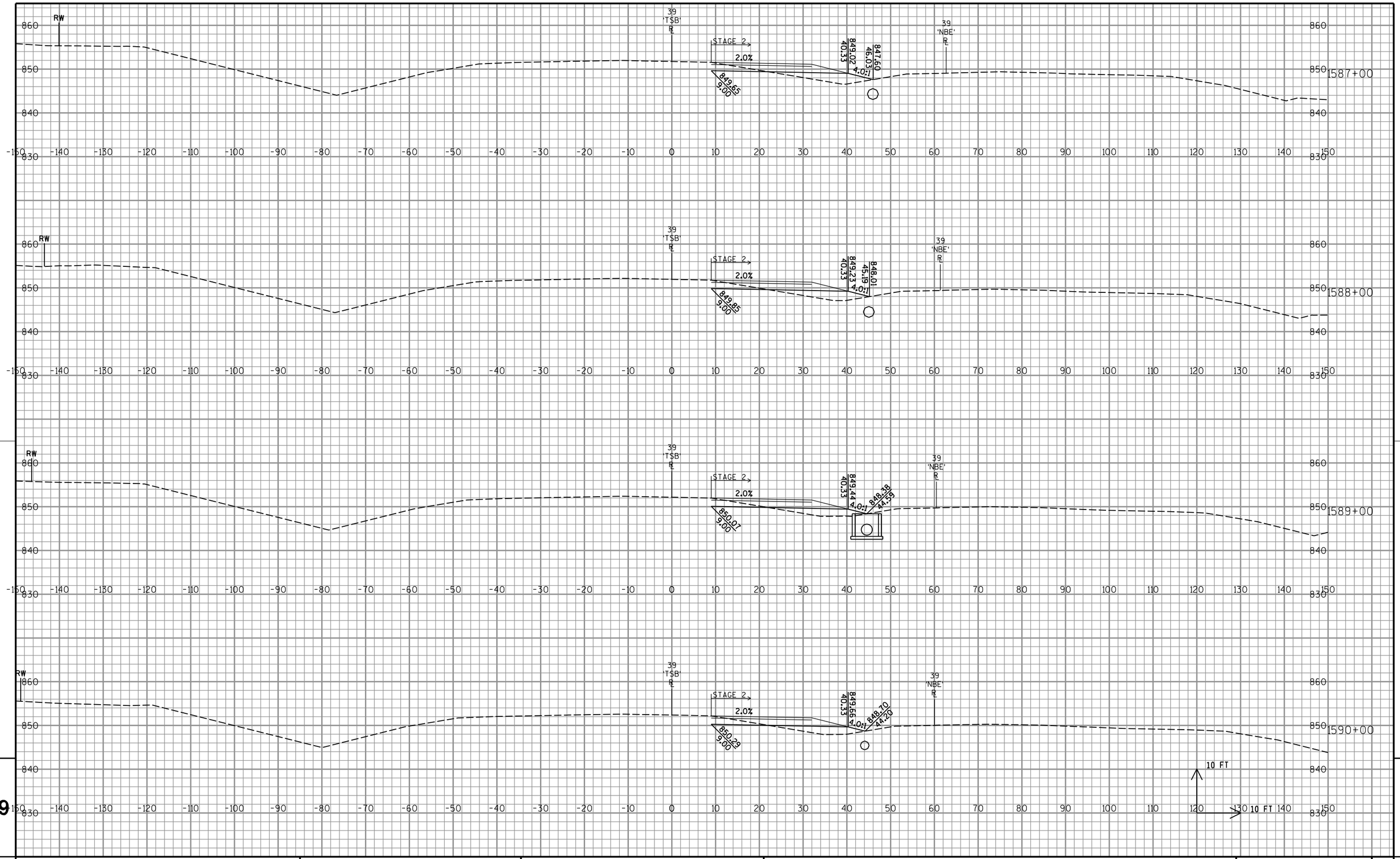
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 293	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 2/17/2016 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 294	E



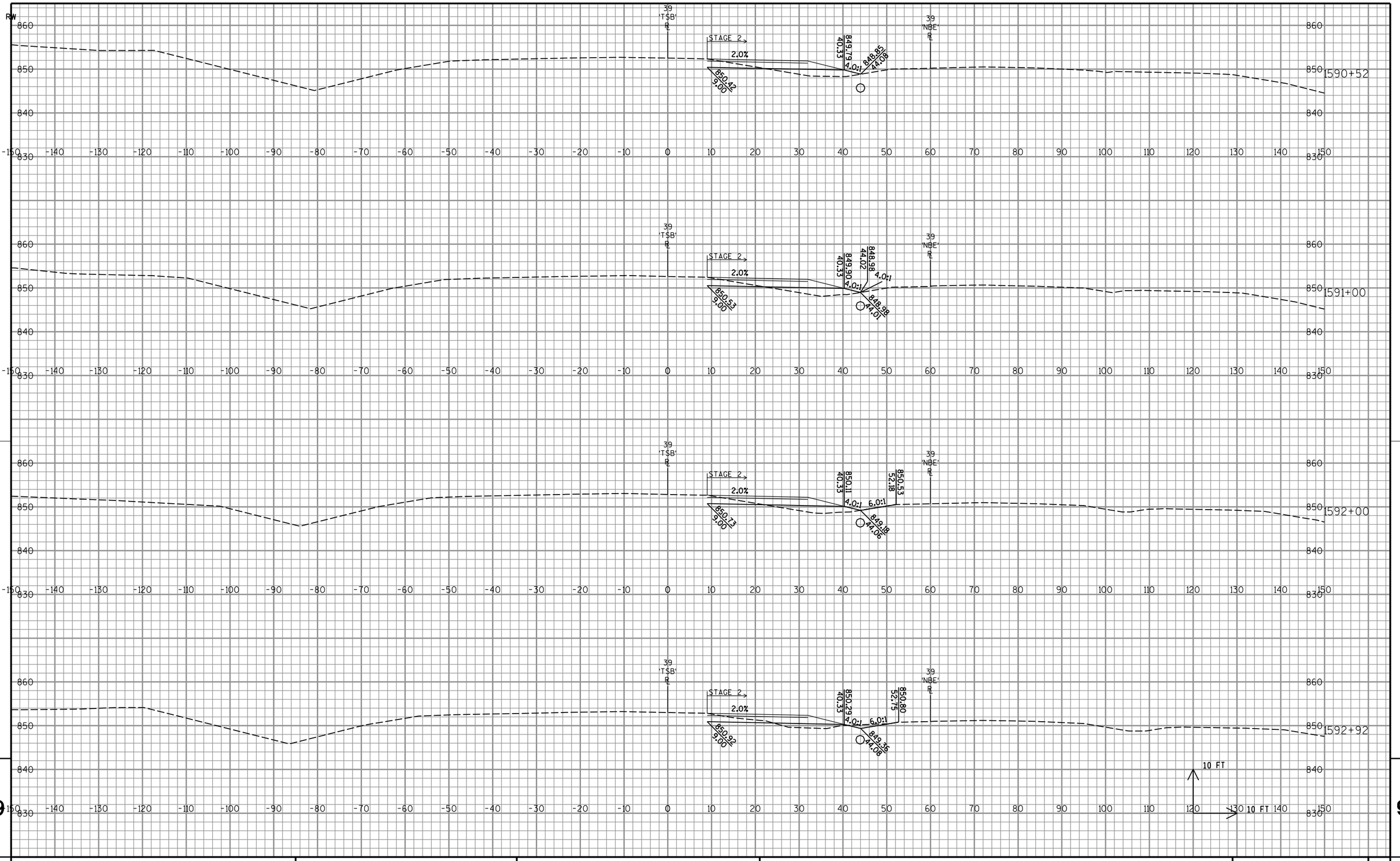
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 295	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 2/17/2016 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



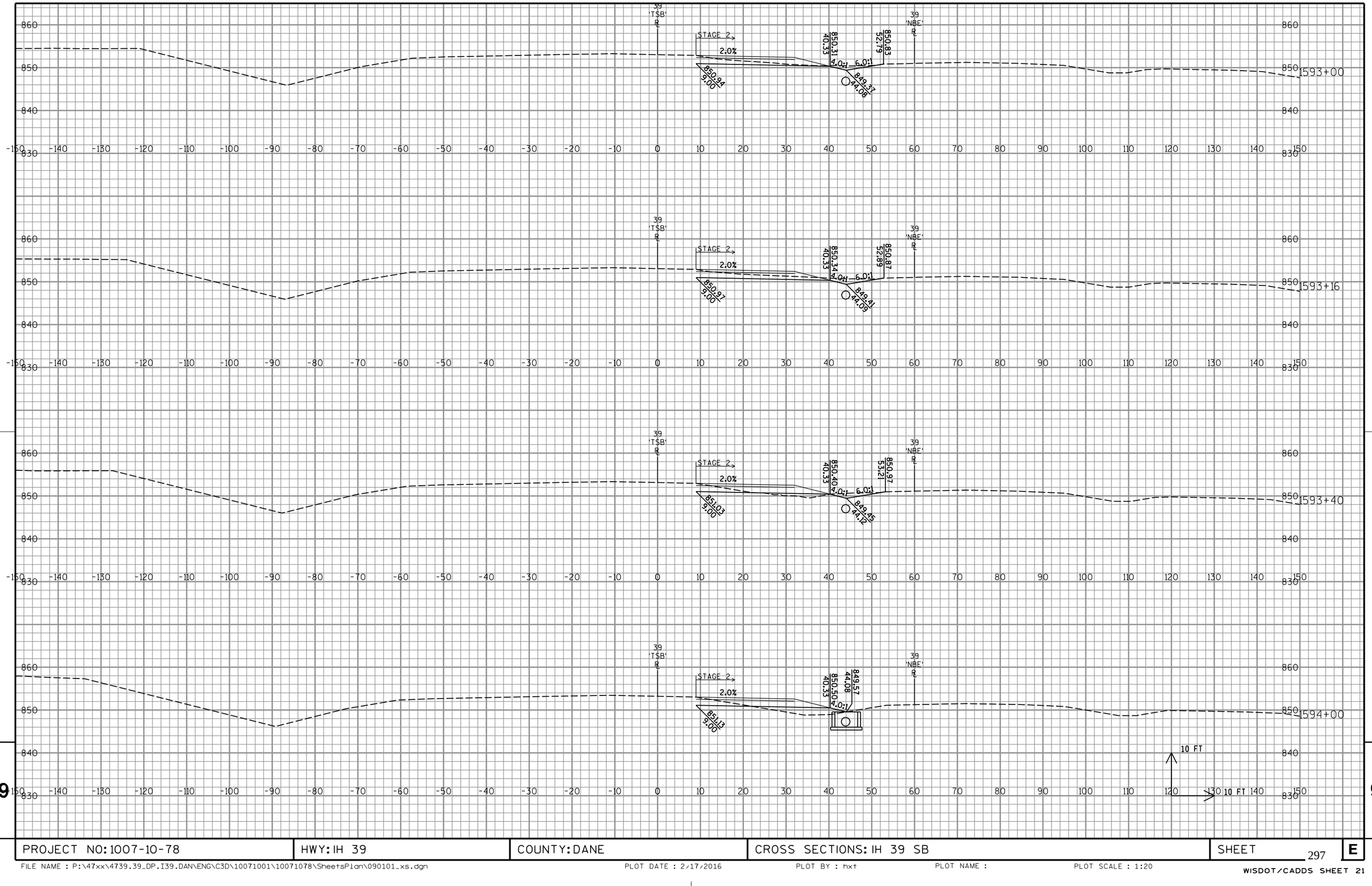
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 296	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



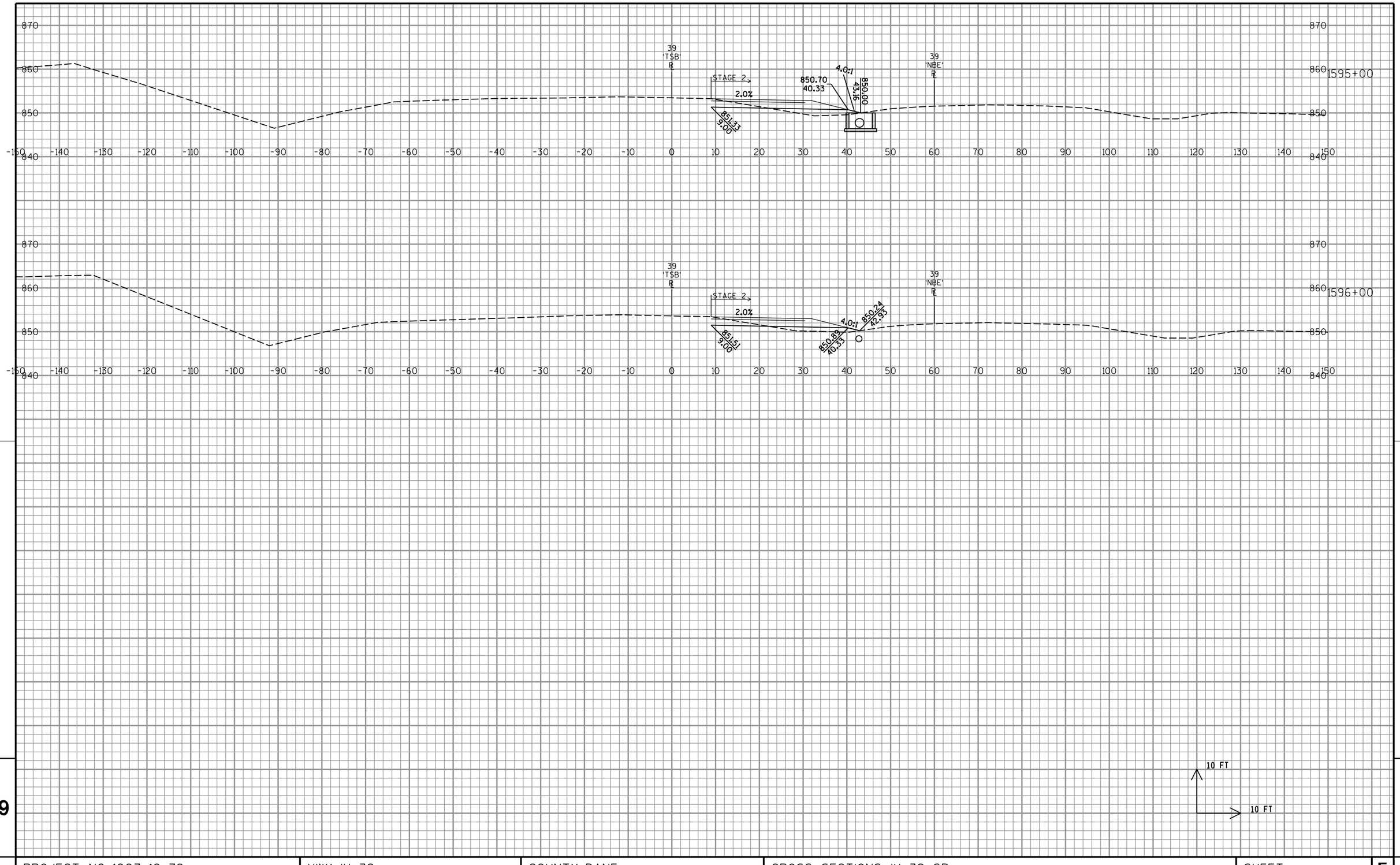
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 297	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 2/17/2016 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

9

9



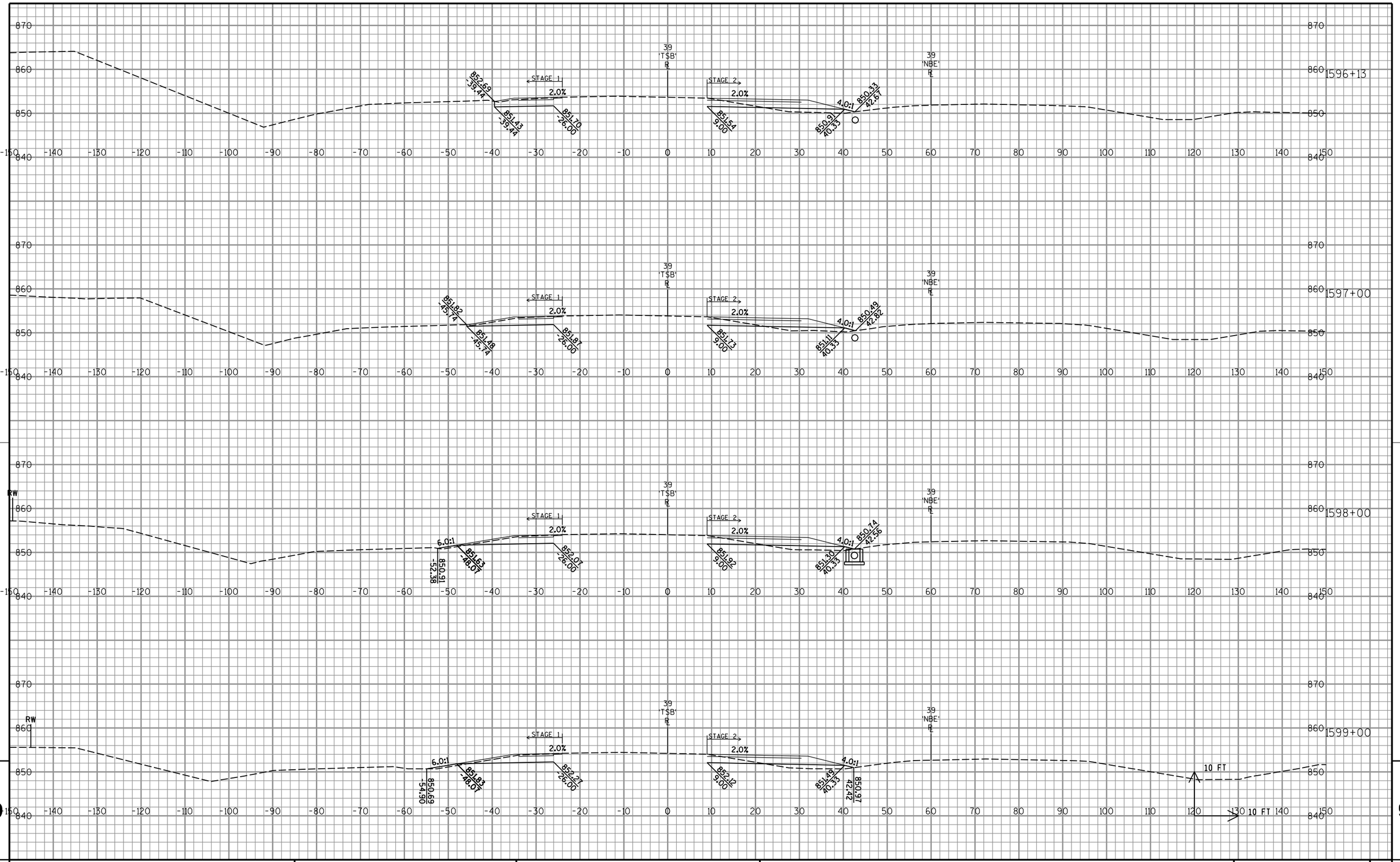
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 298	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 2/17/2016 PLOT BY : hxt PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



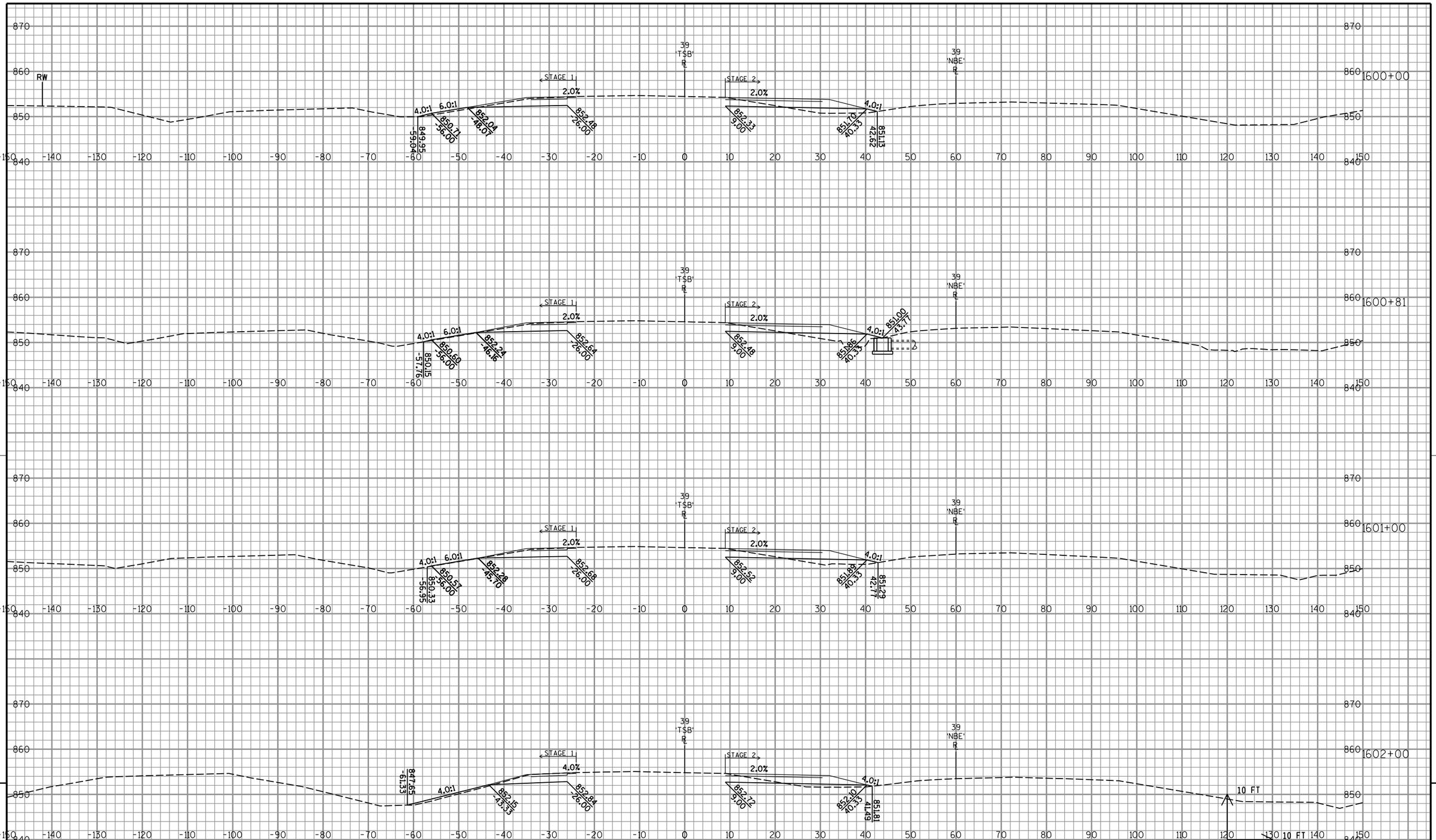
9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 299	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

9



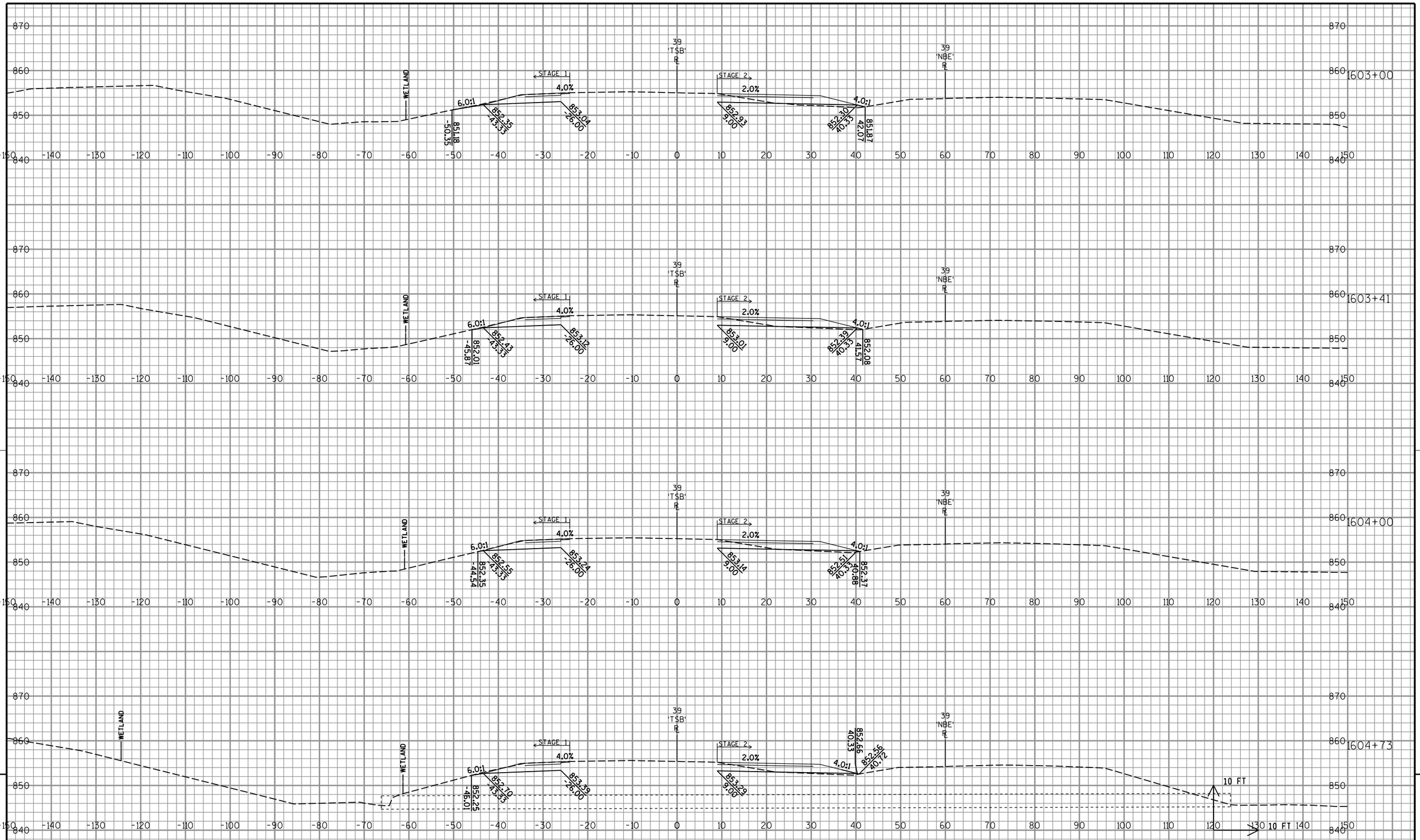
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 300	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

9

9



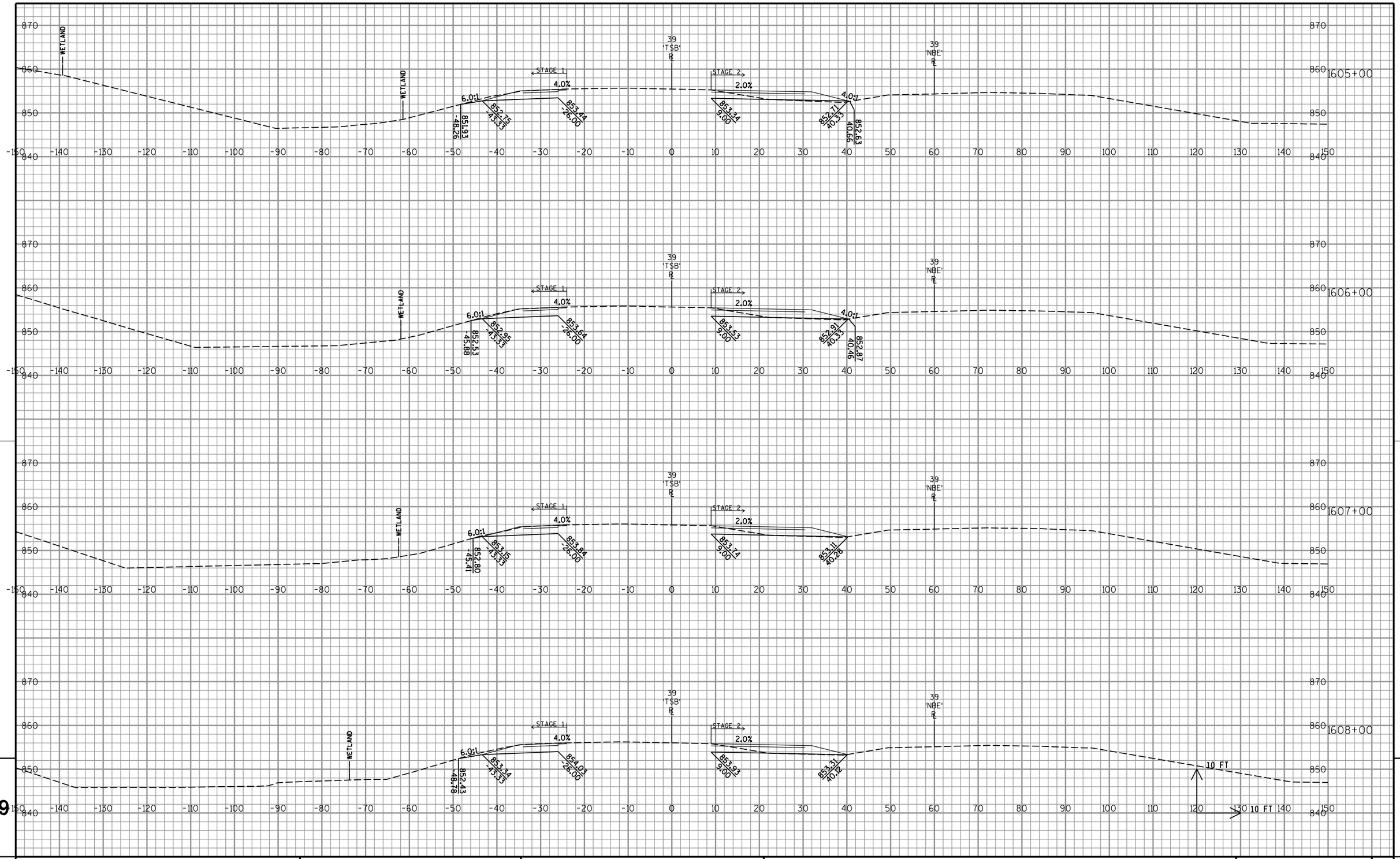
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 301	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



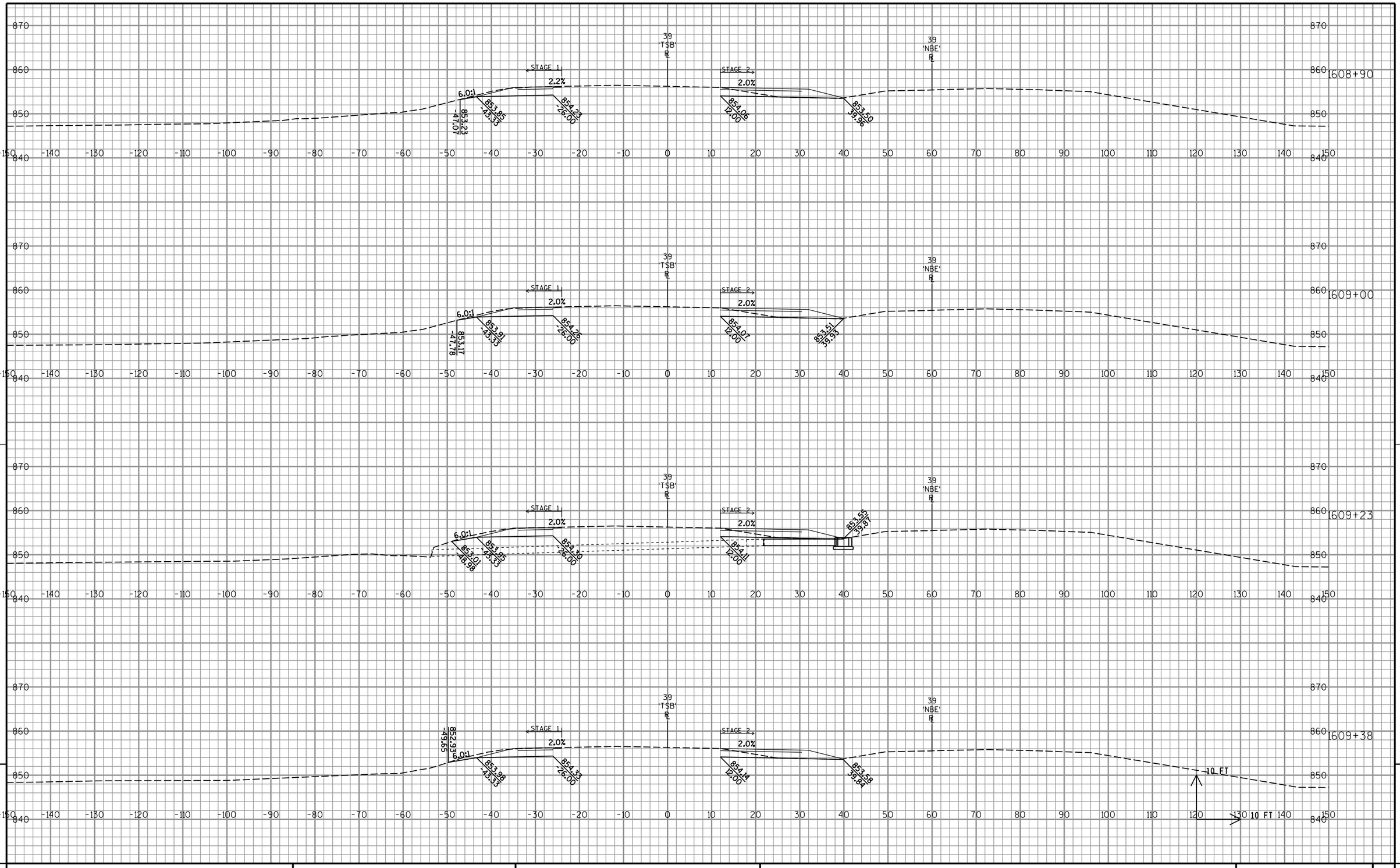
9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 302	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

9



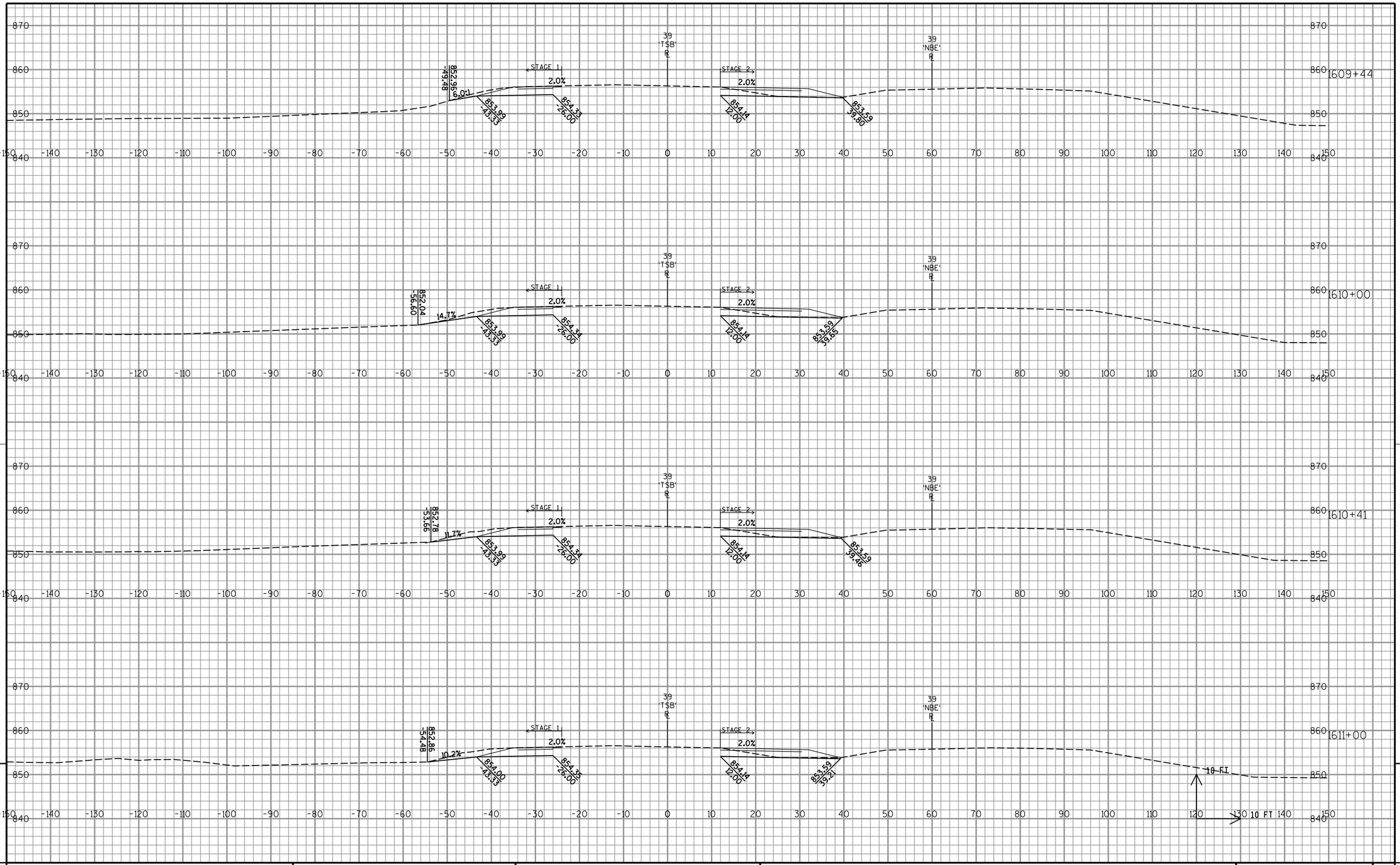
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 303	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

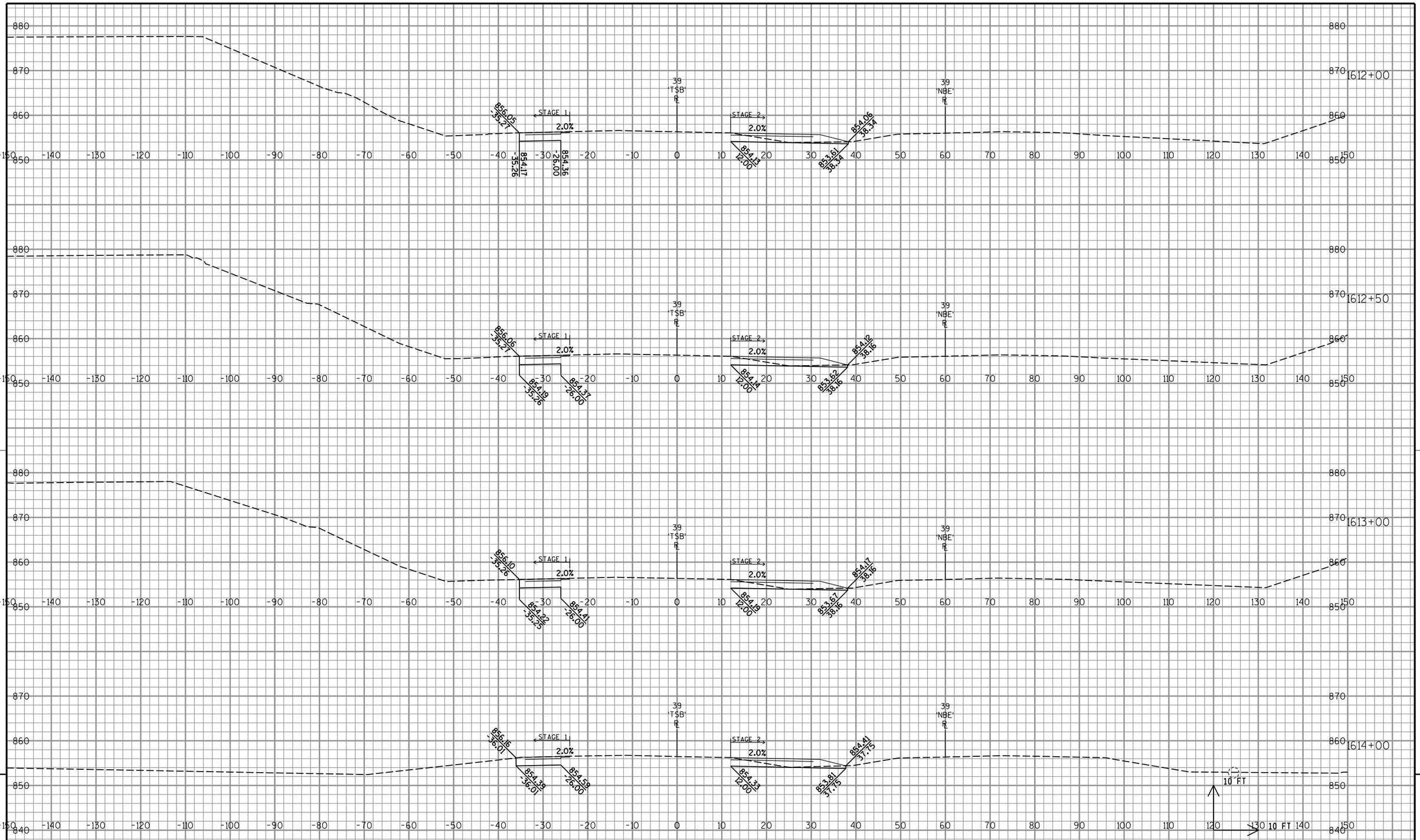


9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 304	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn
PLOT DATE : 8/12/2015
PLOT BY : cti
PLOT NAME :
PLOT SCALE : 1:20
WISDOT/CADDS SHEET 21



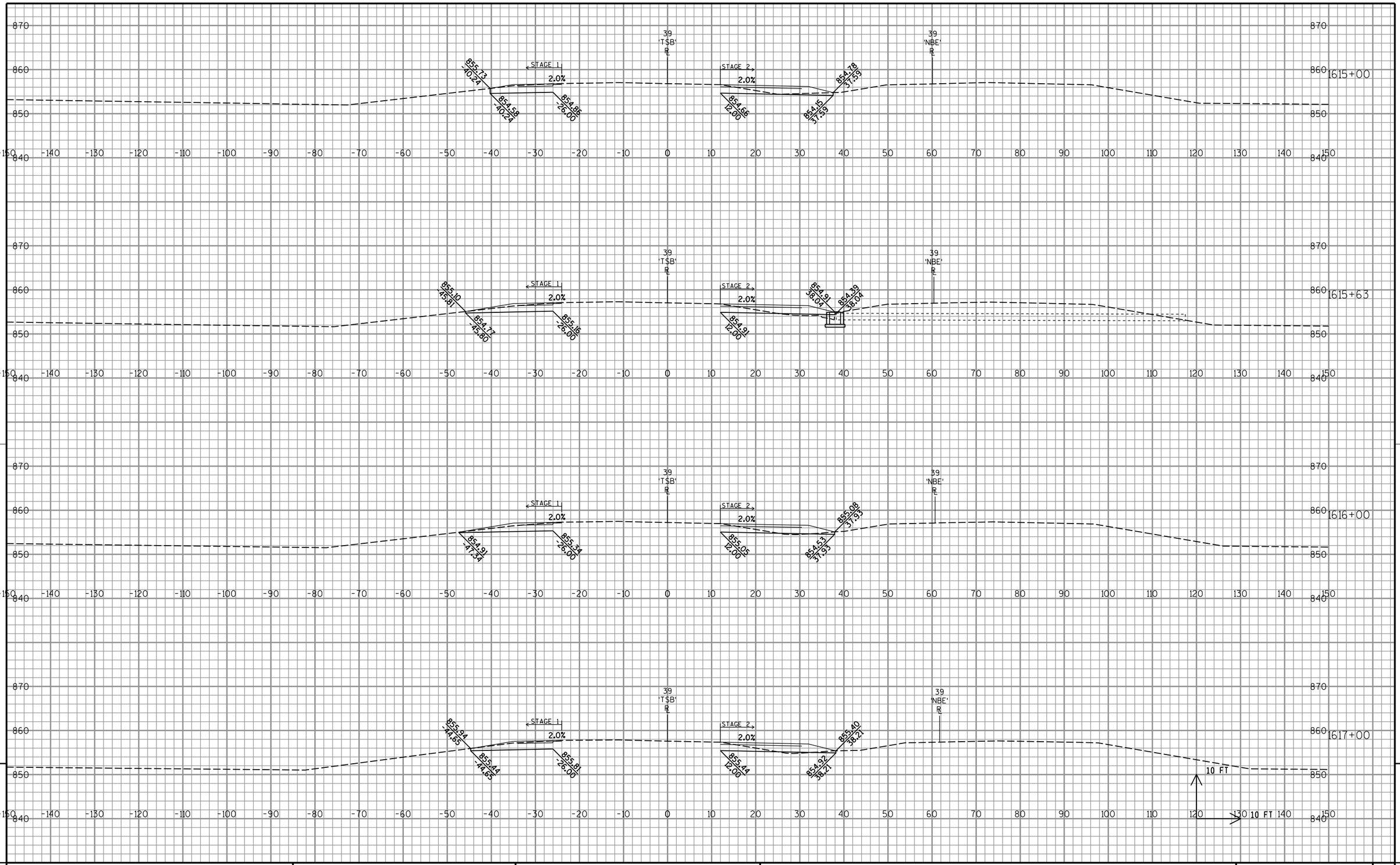
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 305	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

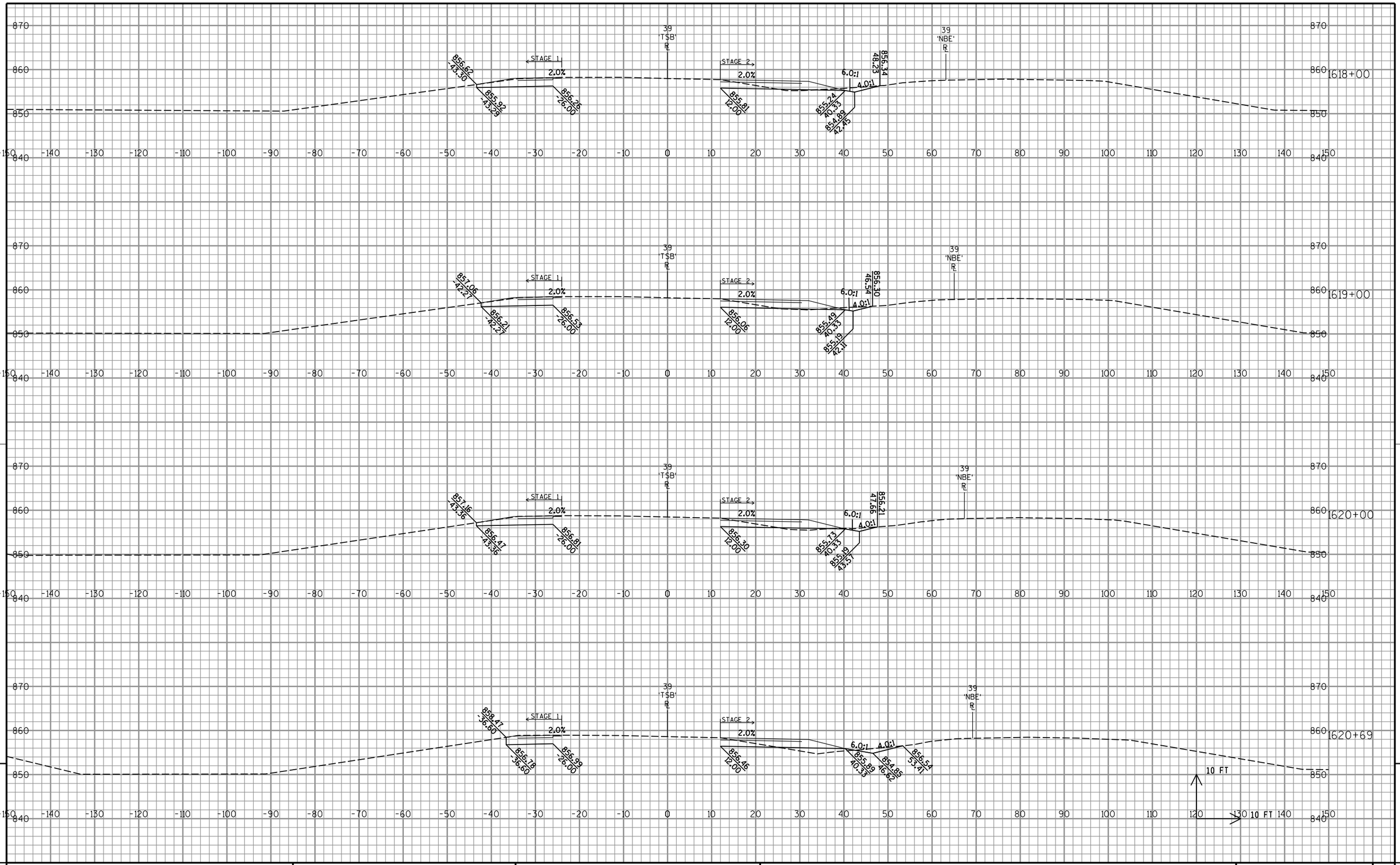
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 306	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



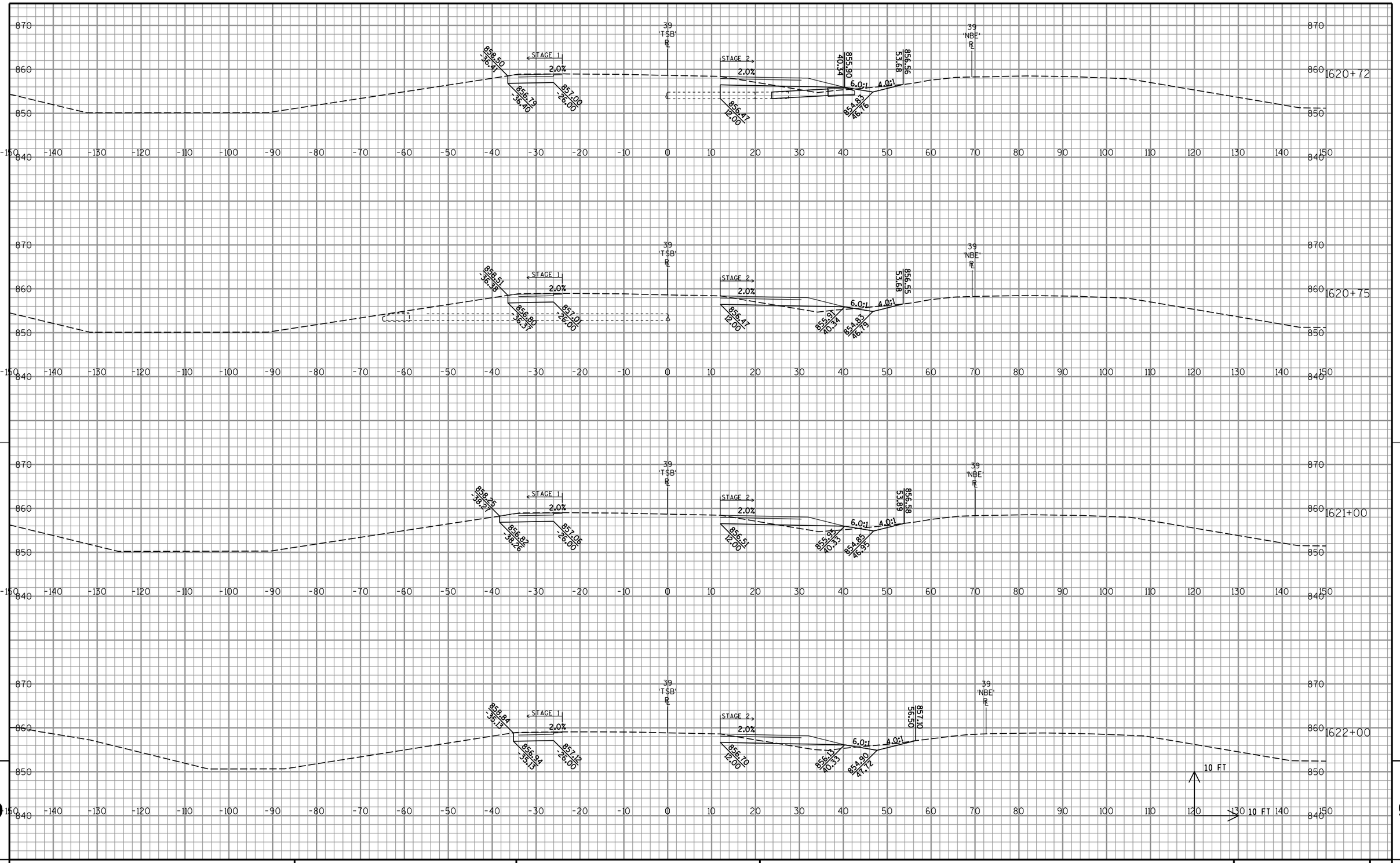
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 307	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

9

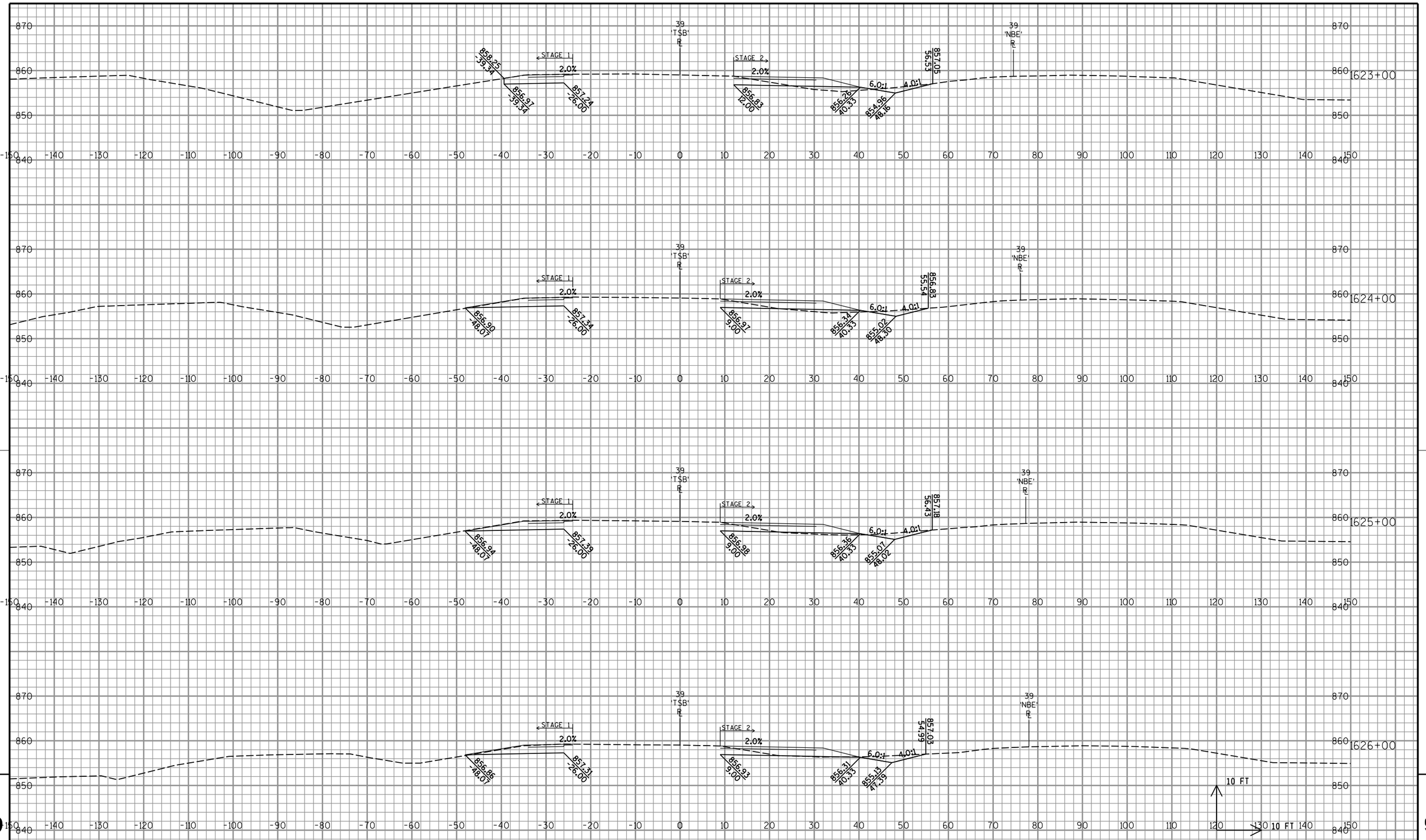
9



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 308	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



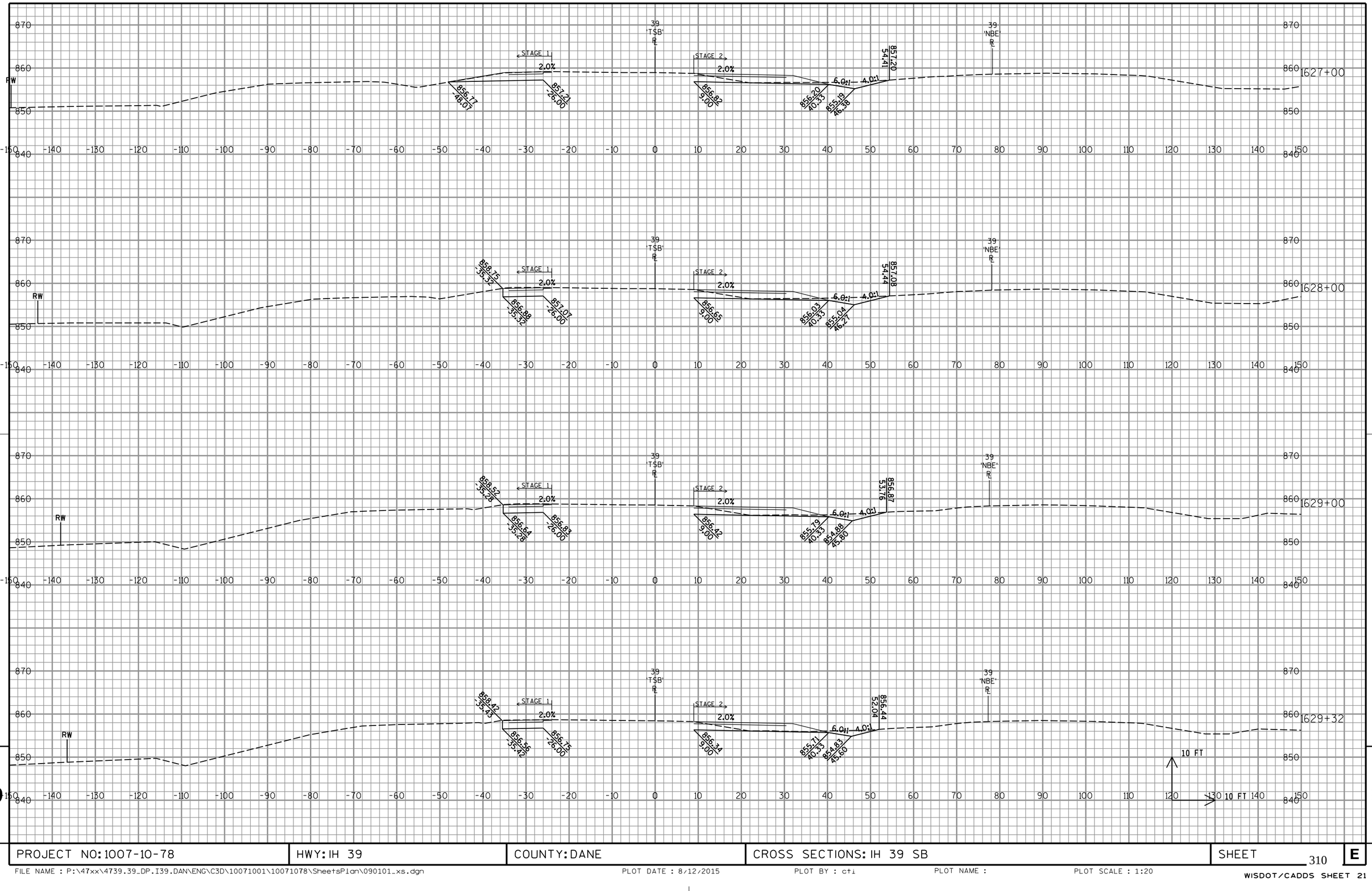
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 309	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

9

9



9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 310	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 311	E

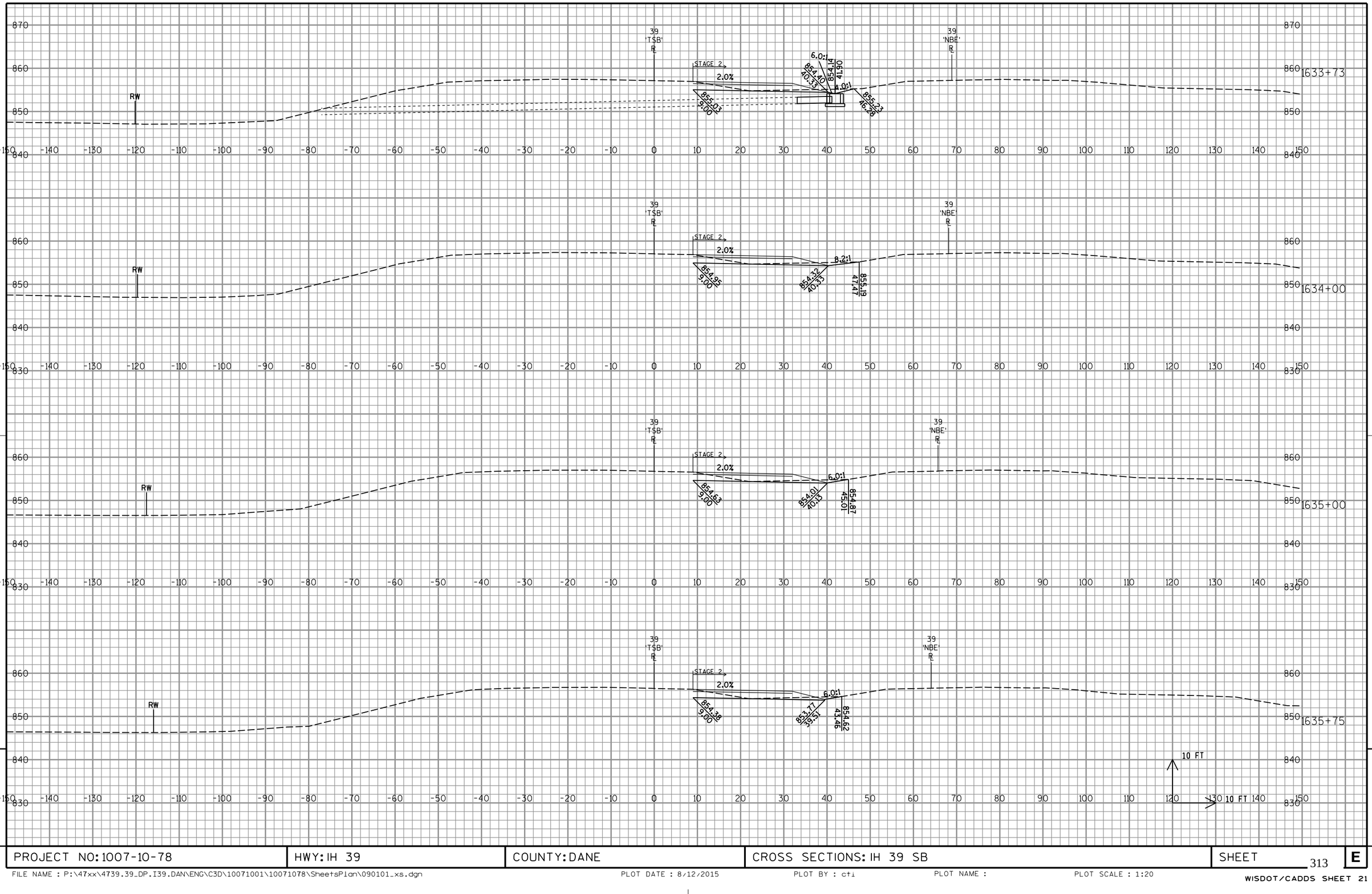
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 312	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



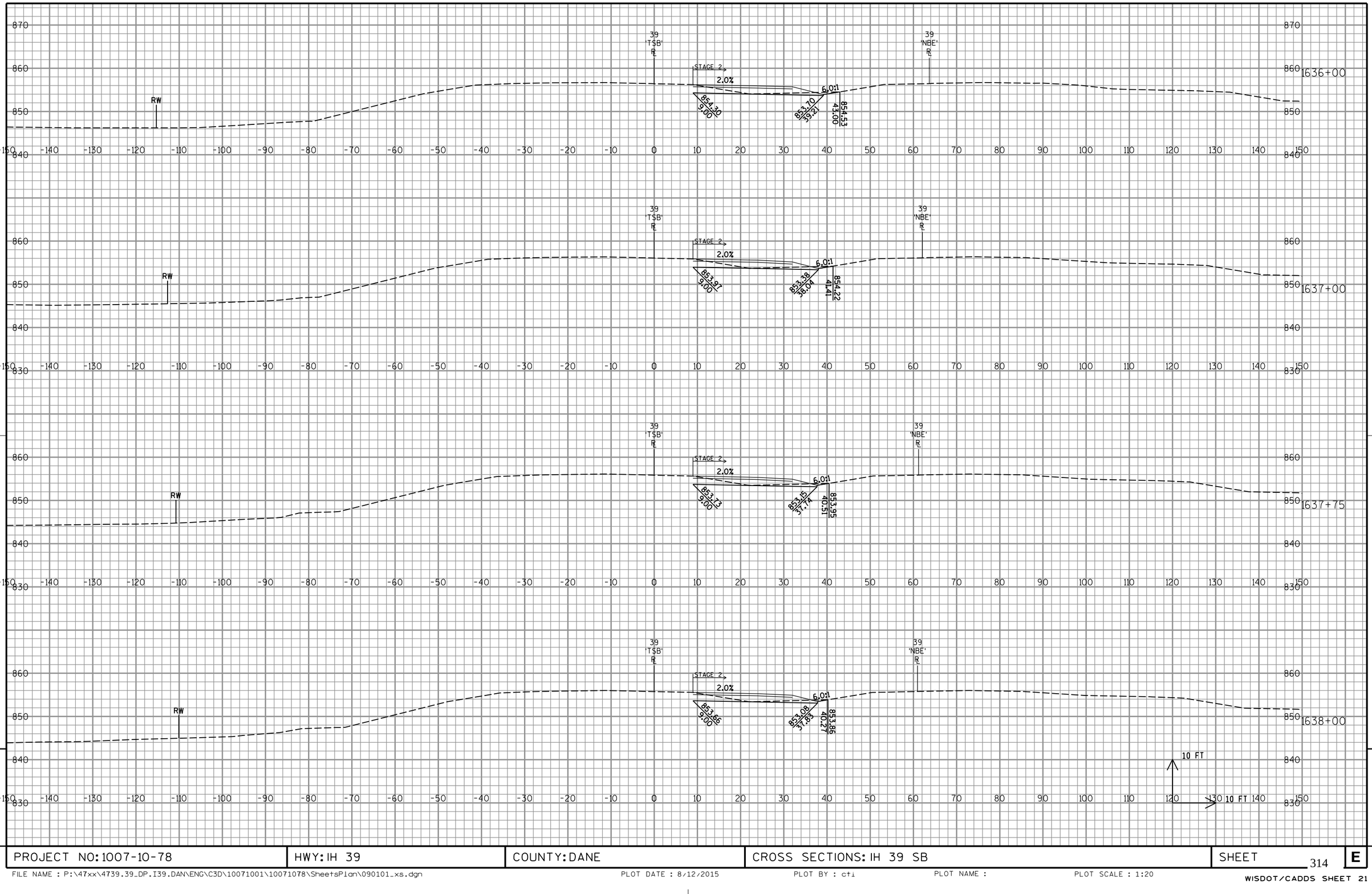
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 313	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



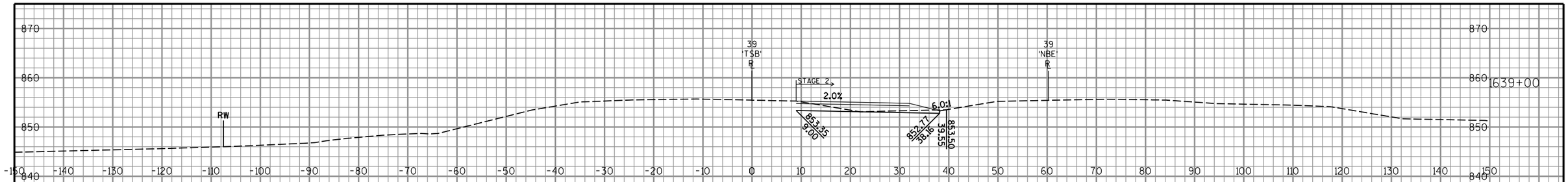
9

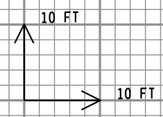
9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 314	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21





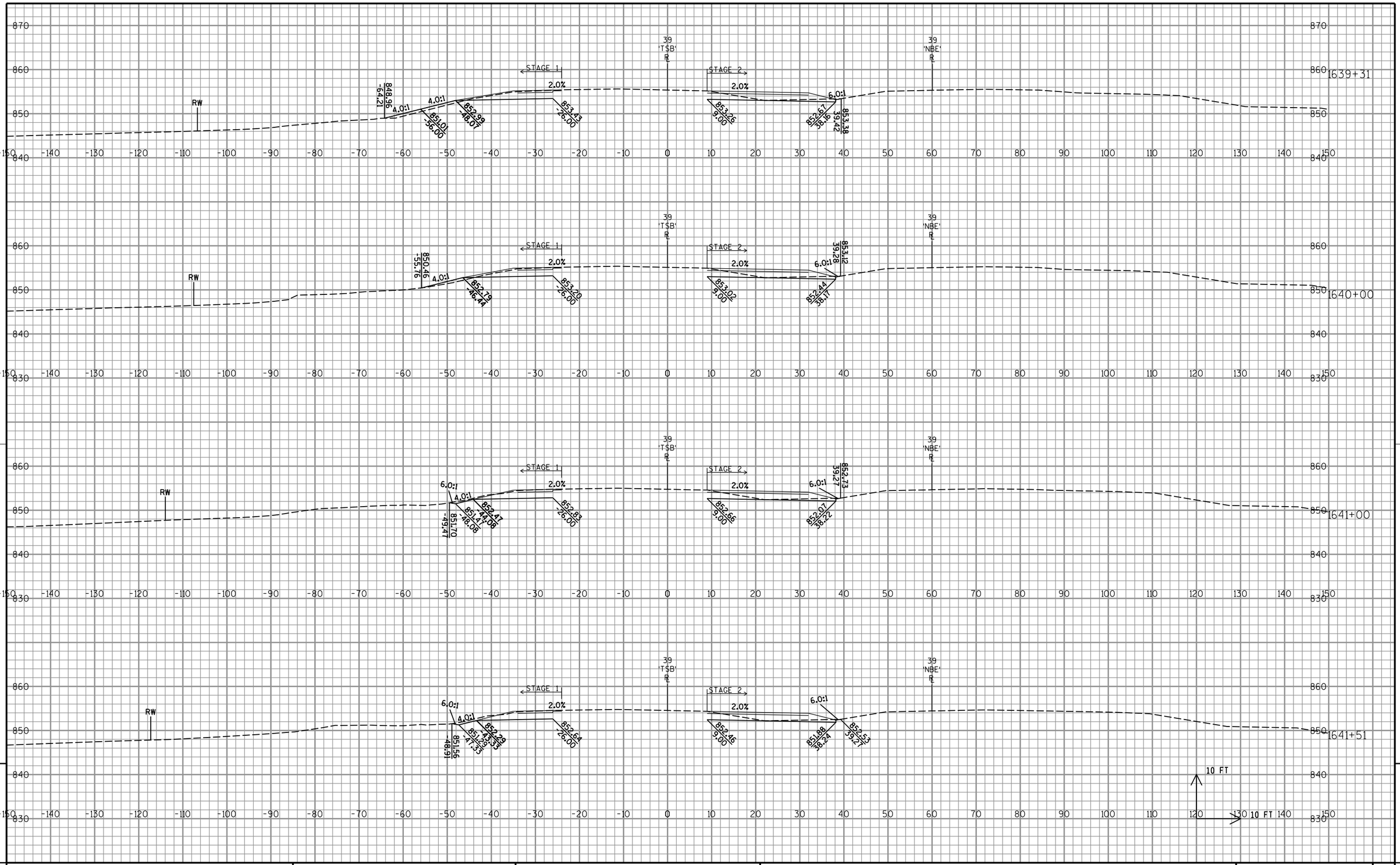
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 315	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



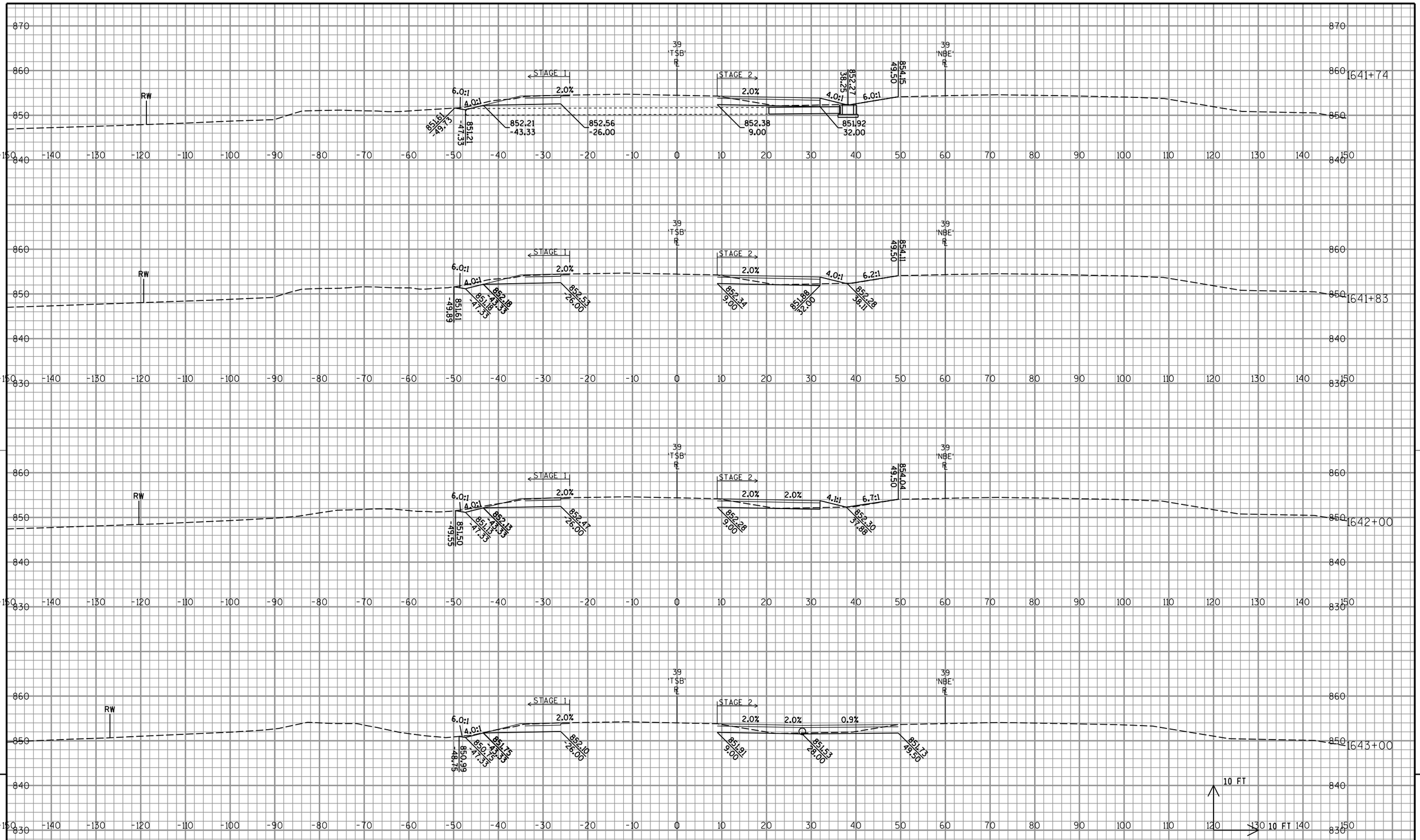
9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 316	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

9



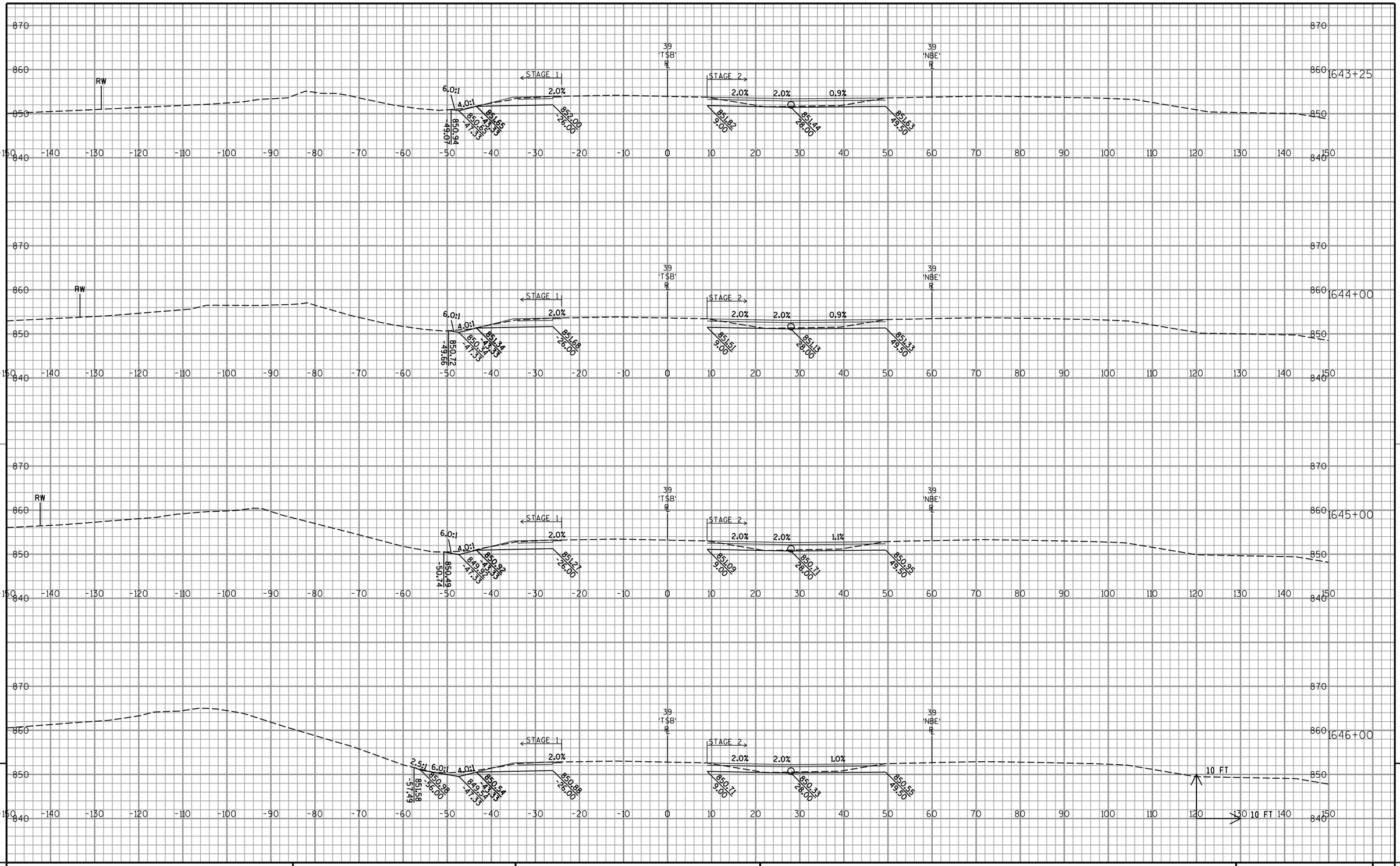
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 317	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

9

9

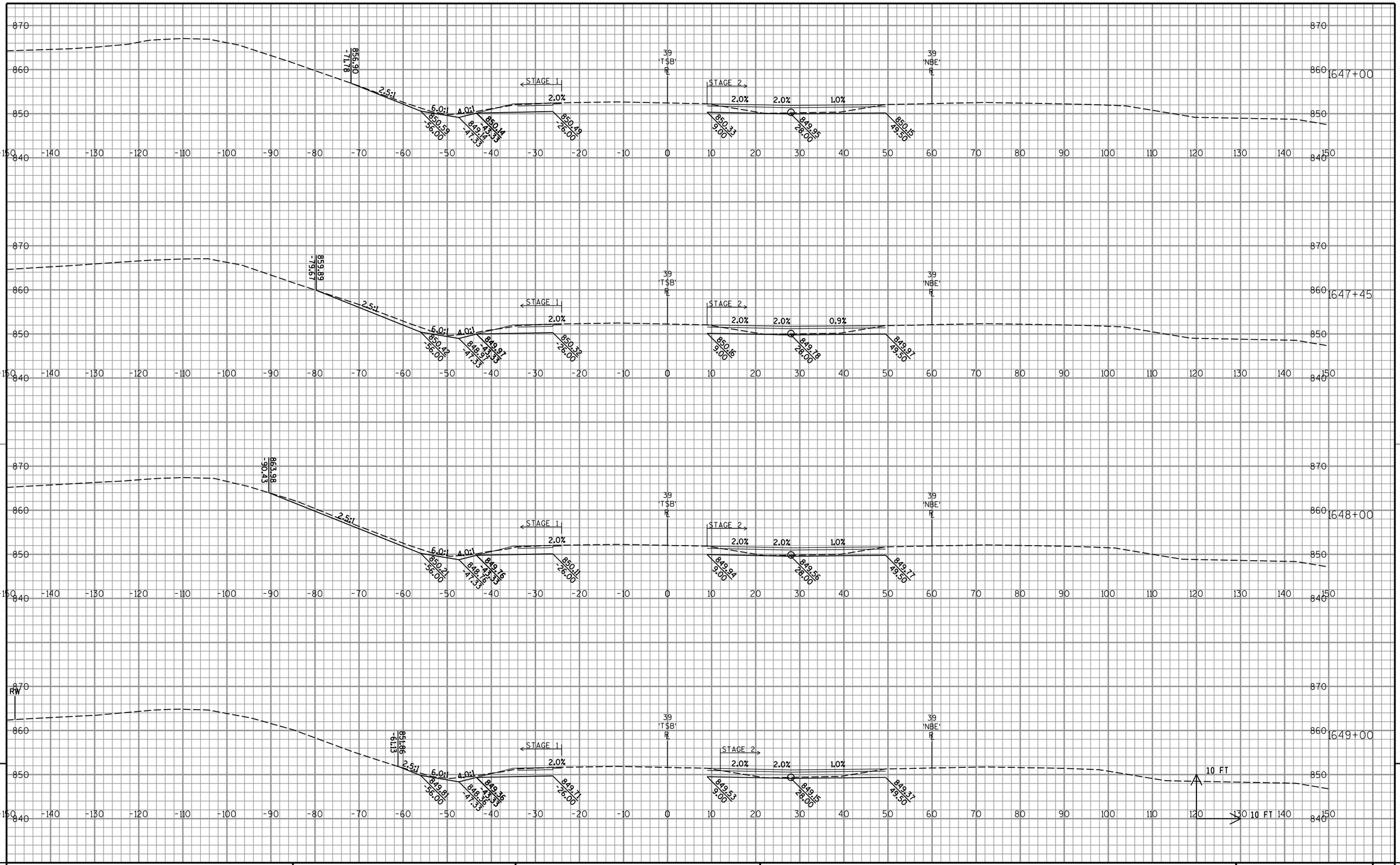


9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 318	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



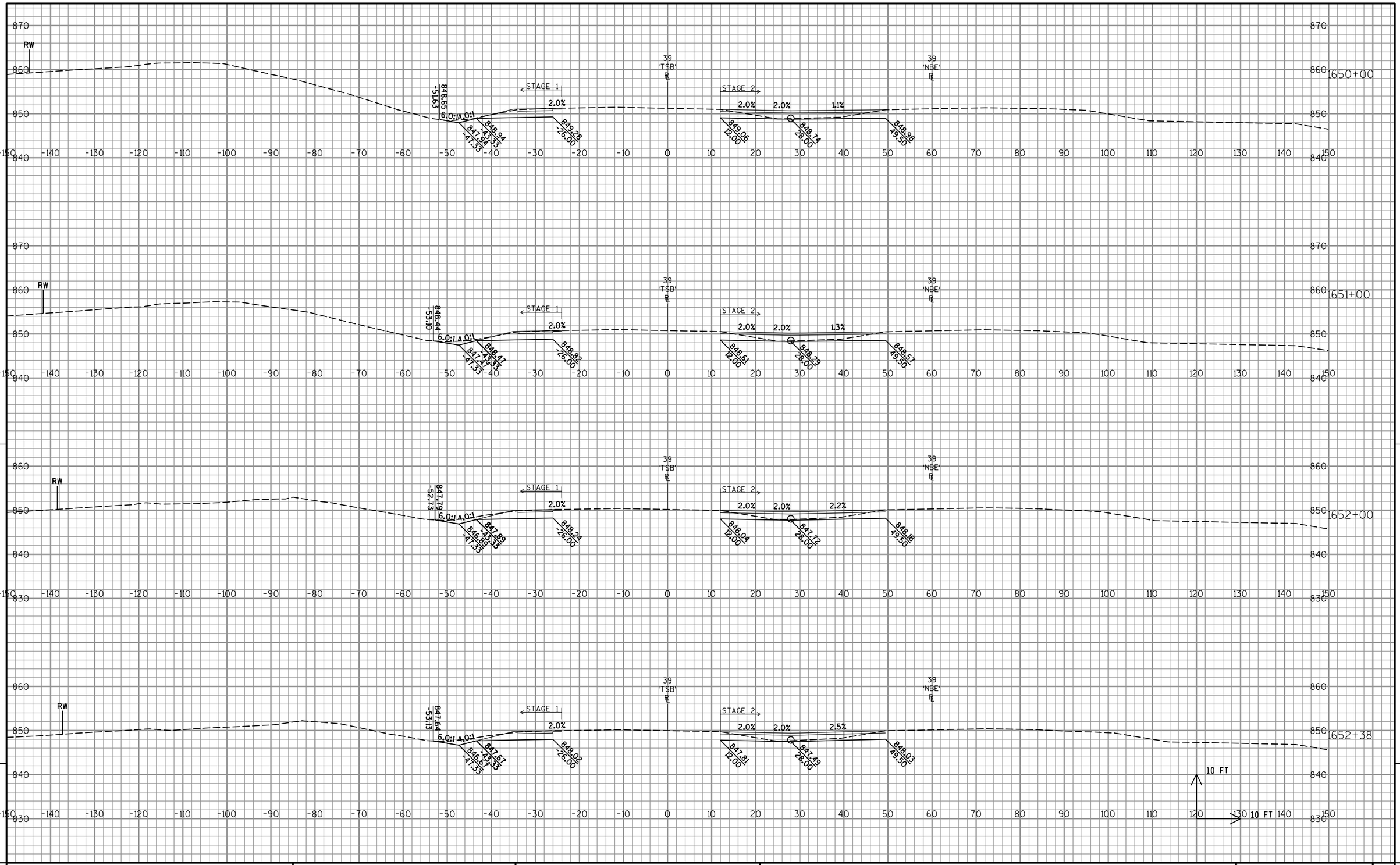
9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 319	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

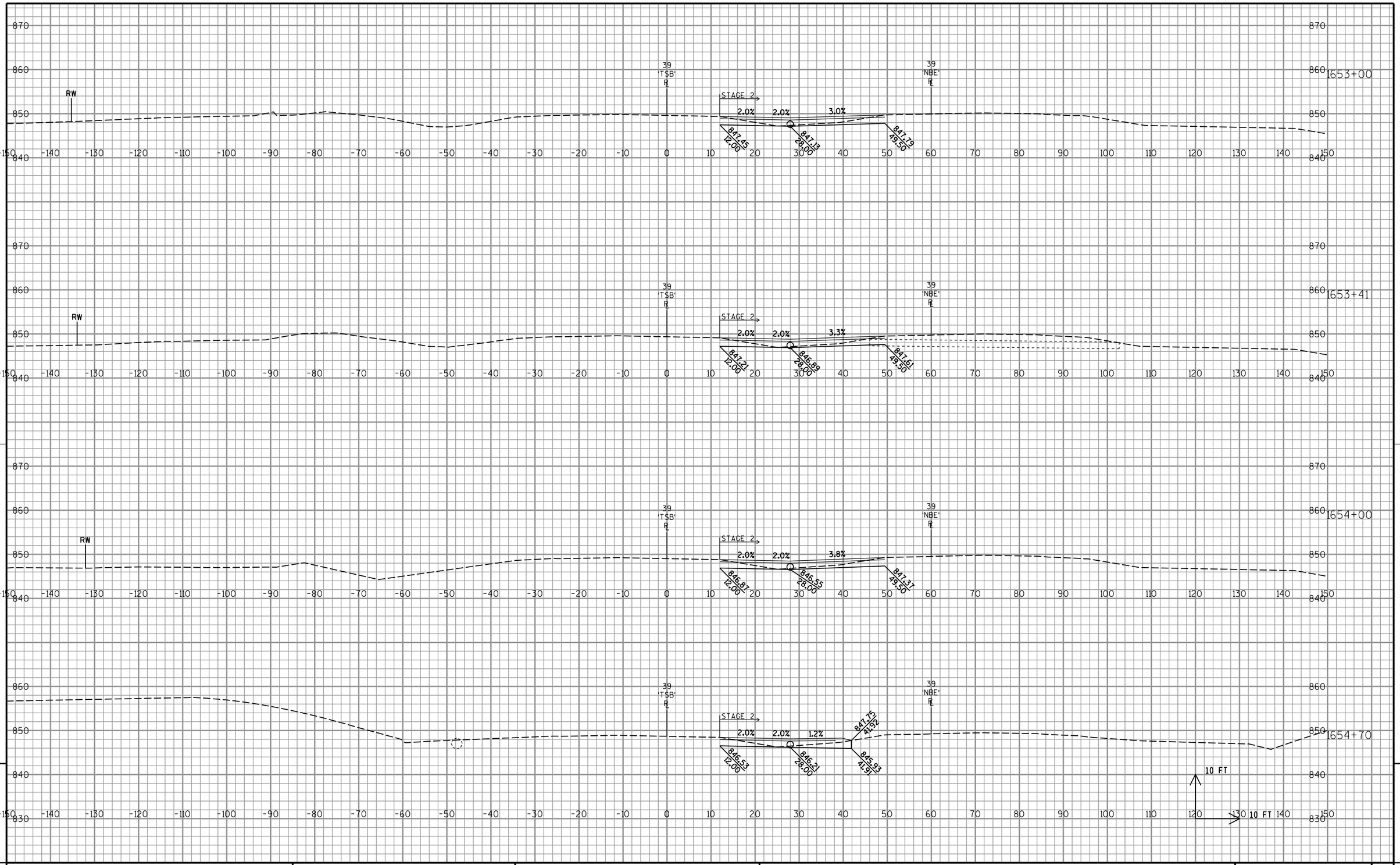
9



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 320	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



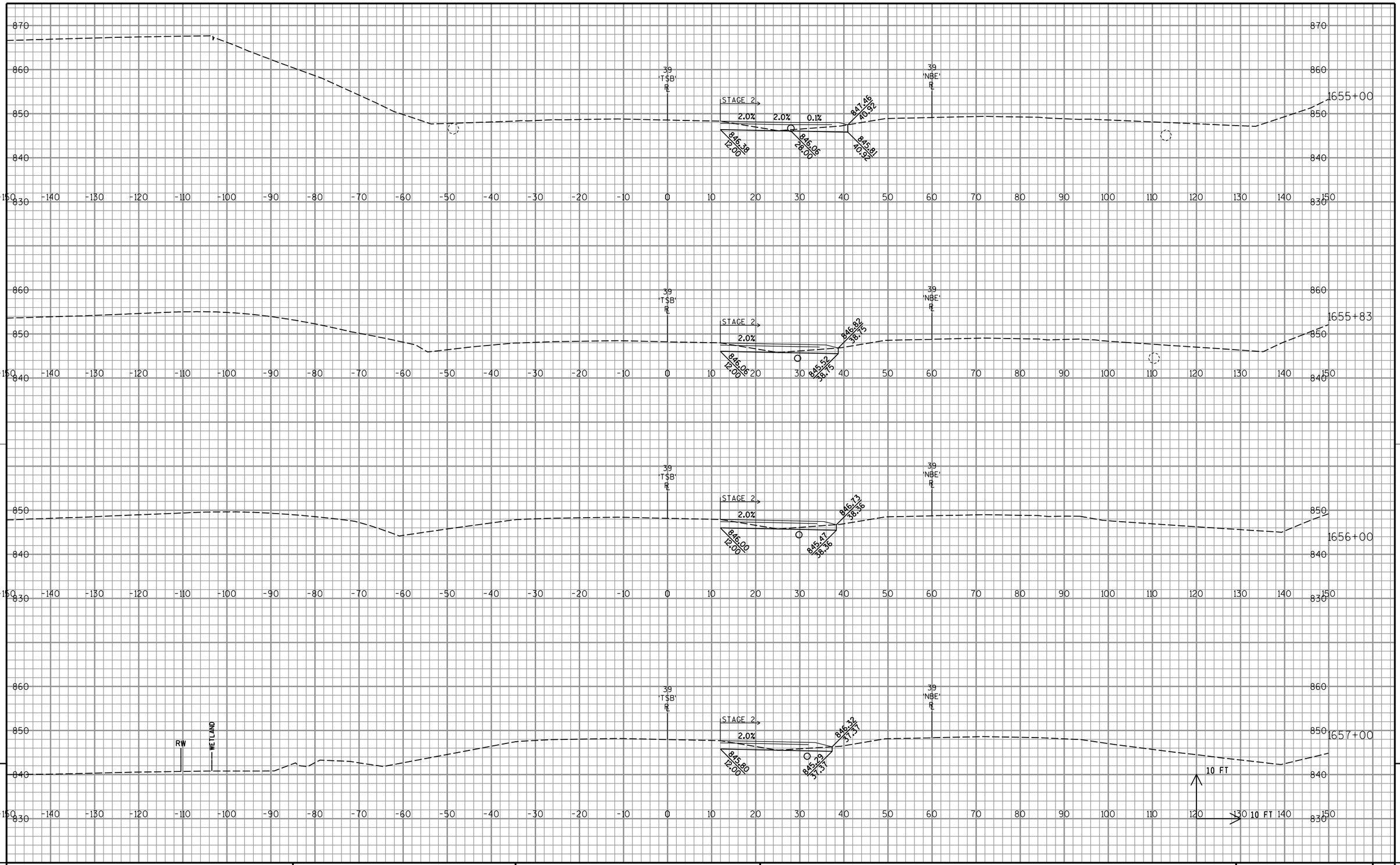
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 321	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



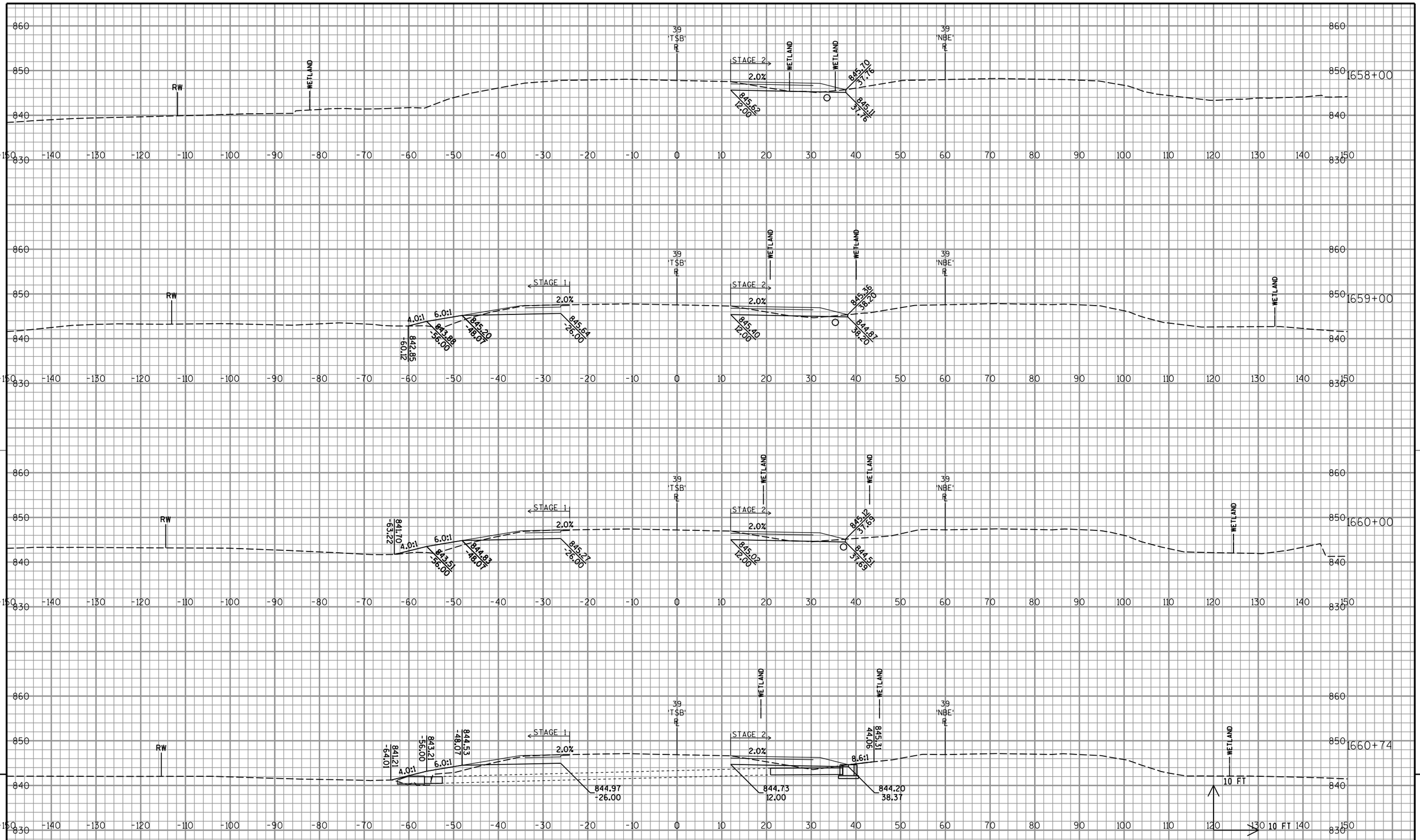
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 322	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

9

9



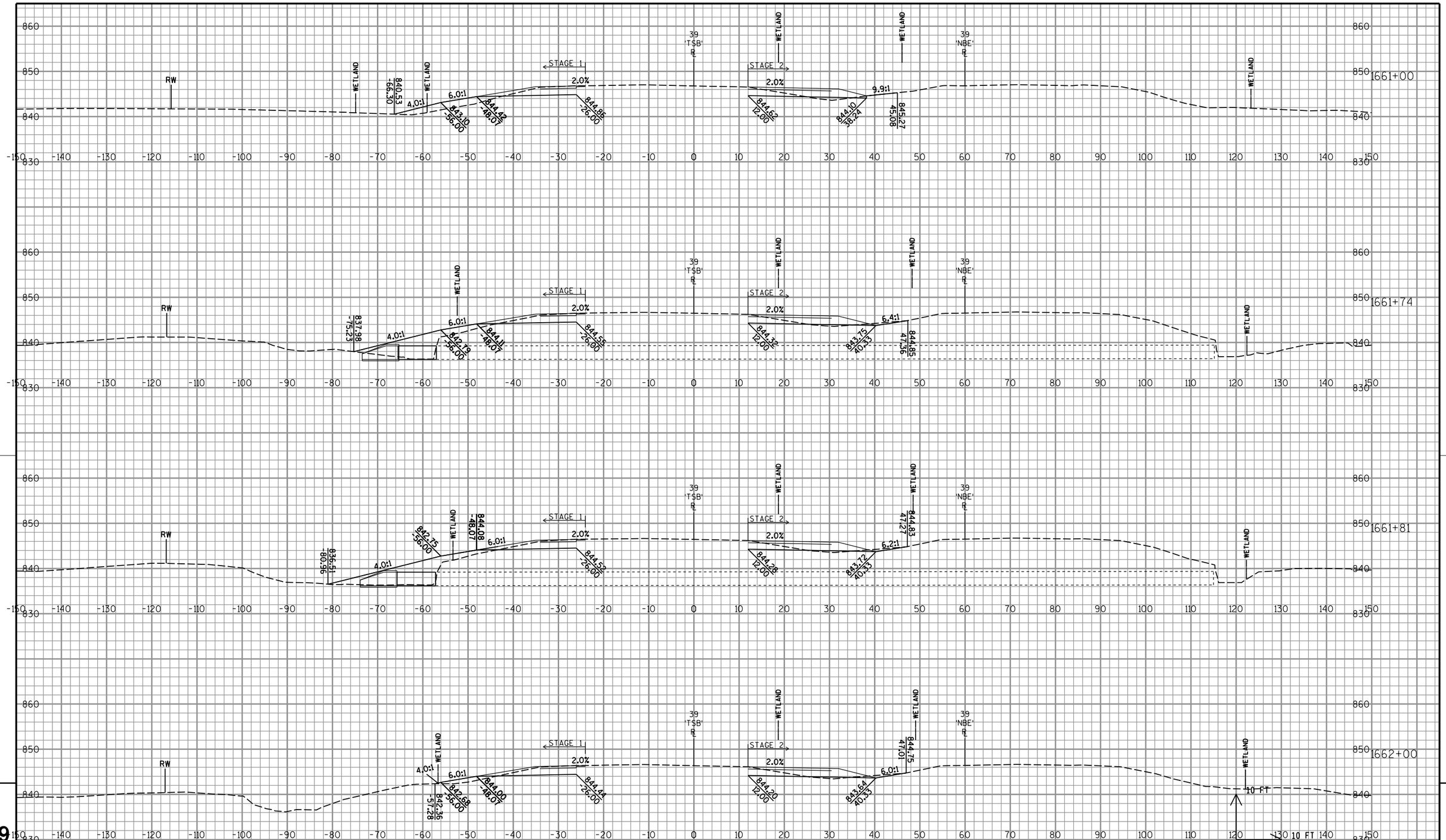
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 323	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

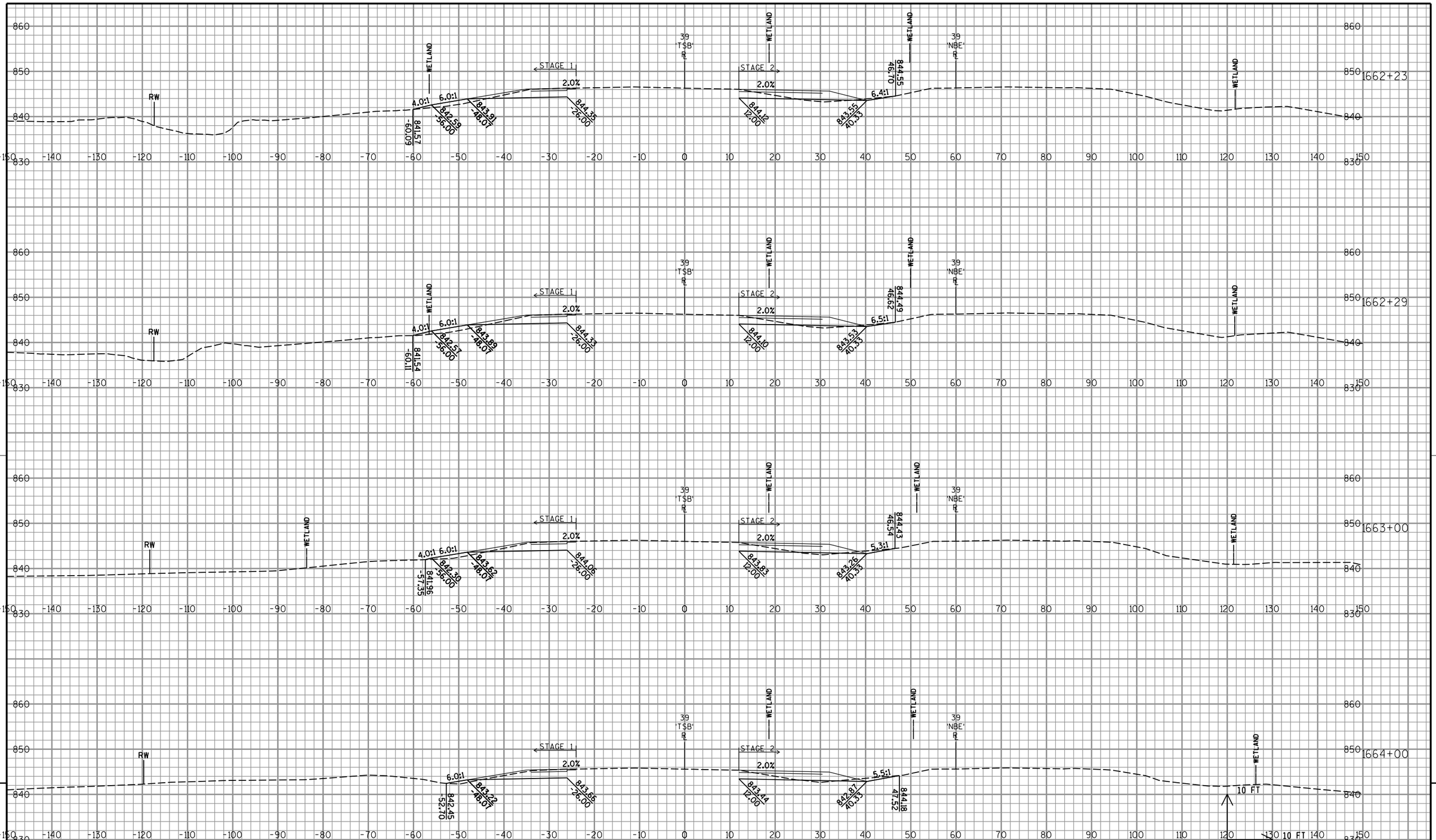
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 324	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

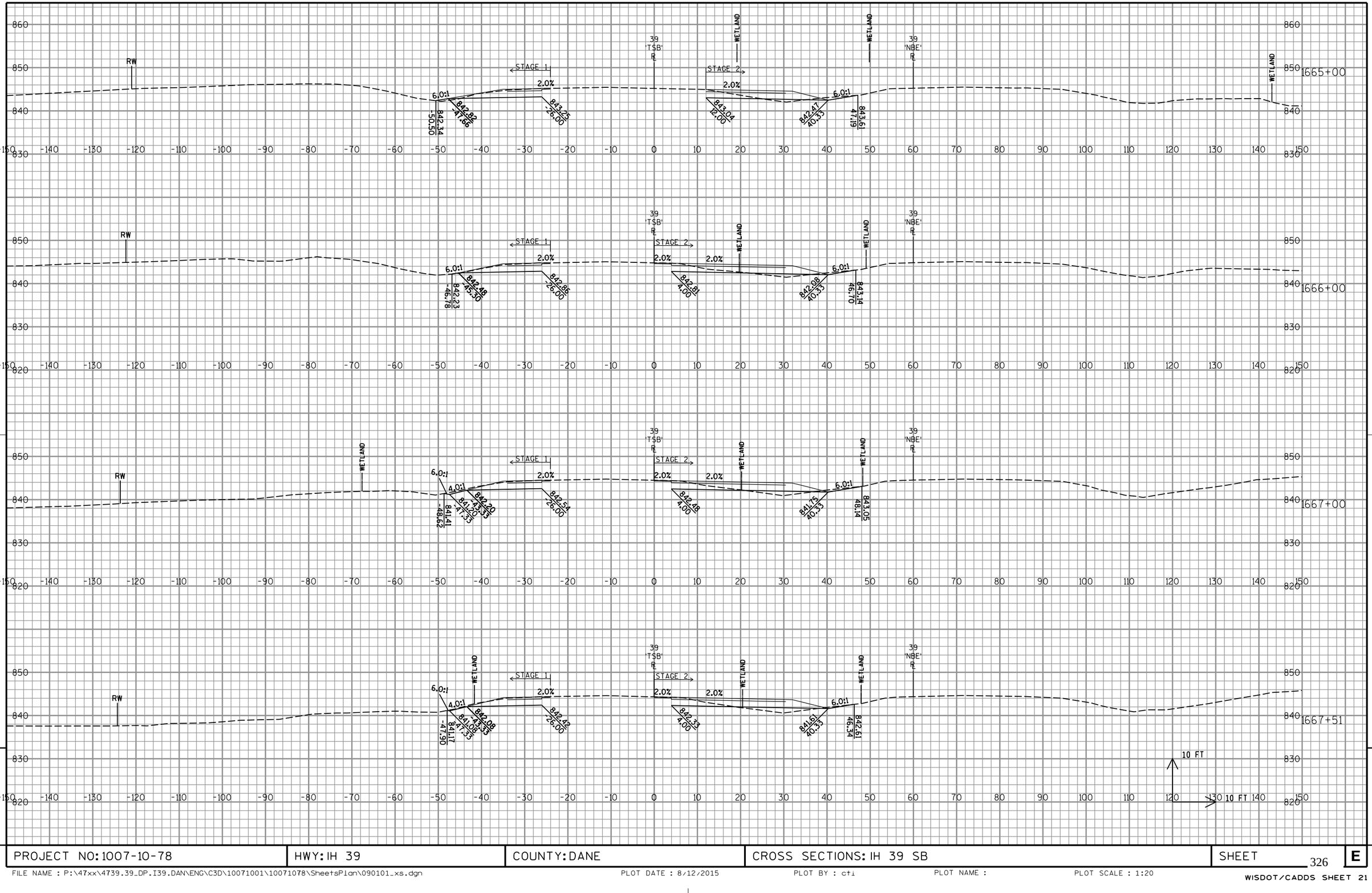
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 325	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

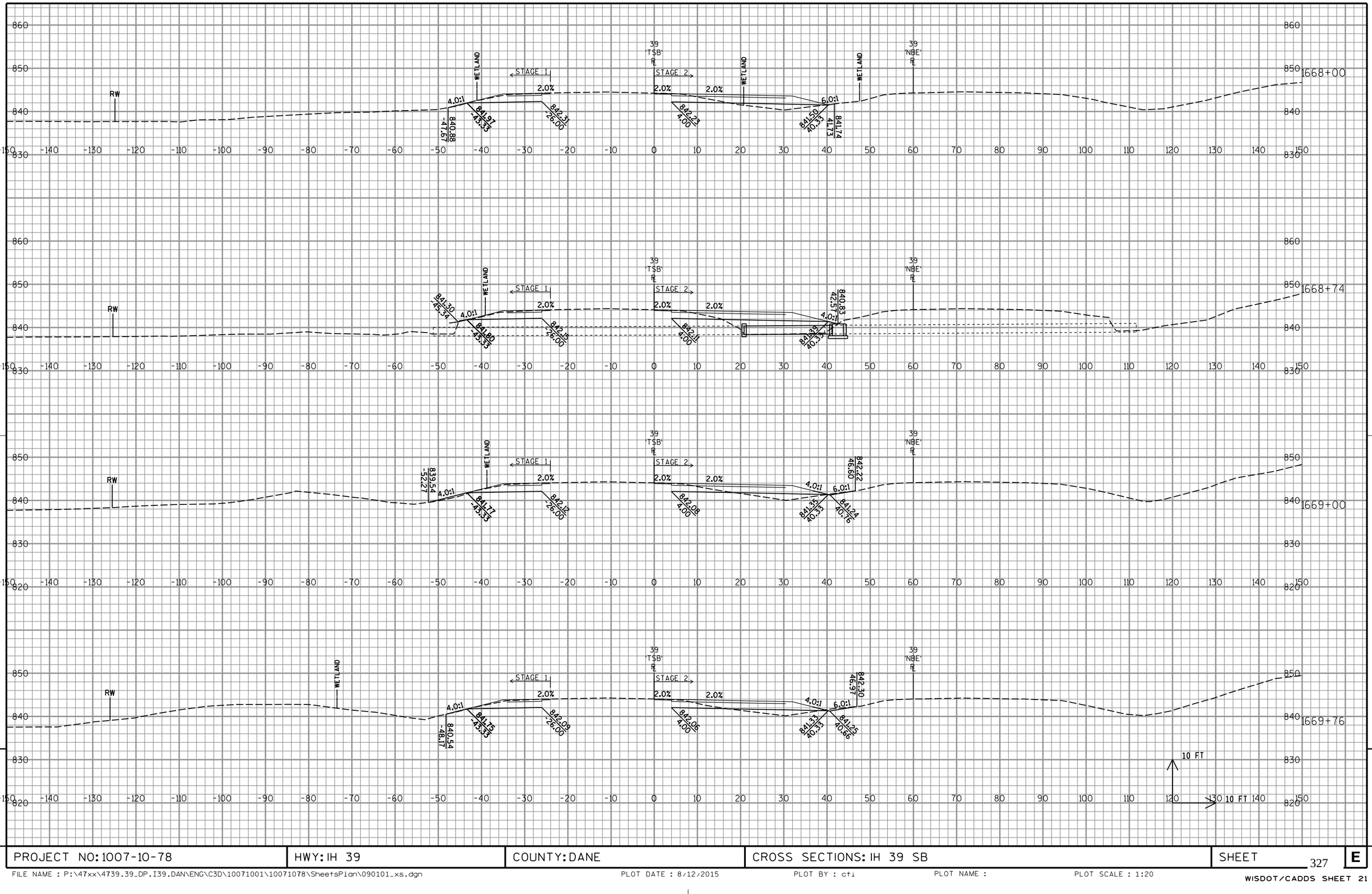


9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 326	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 327	E

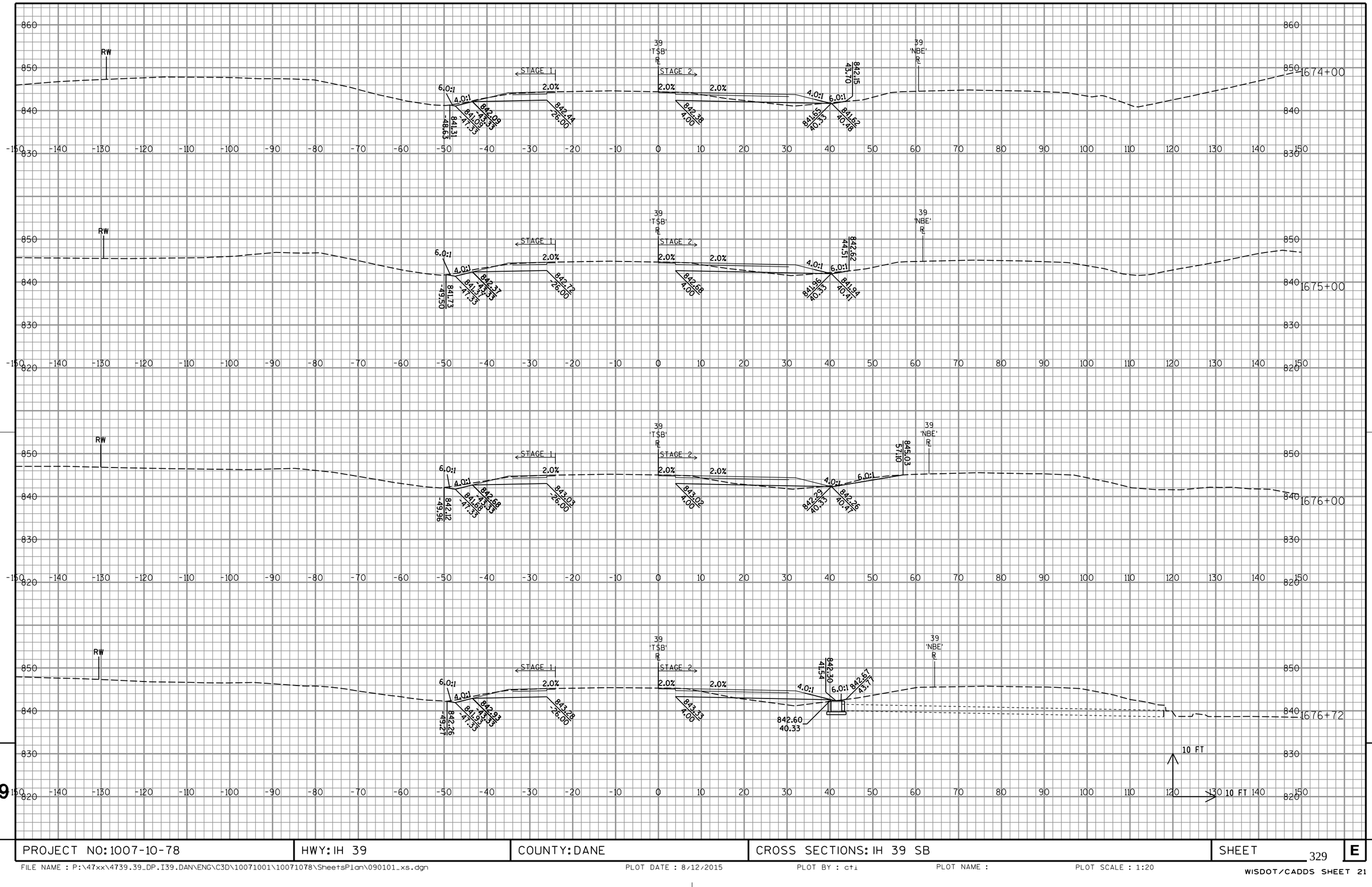
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 328	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

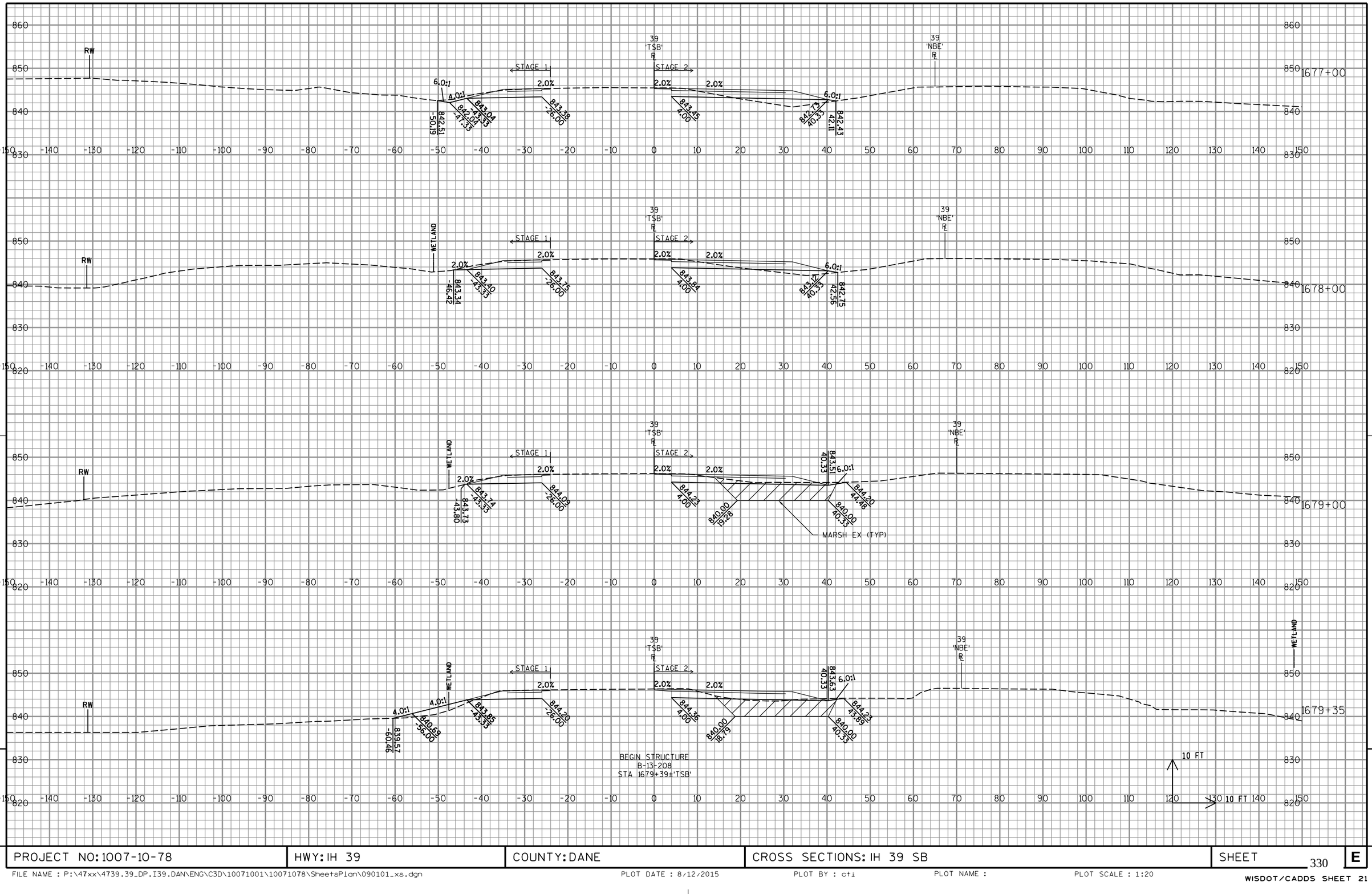
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 329	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

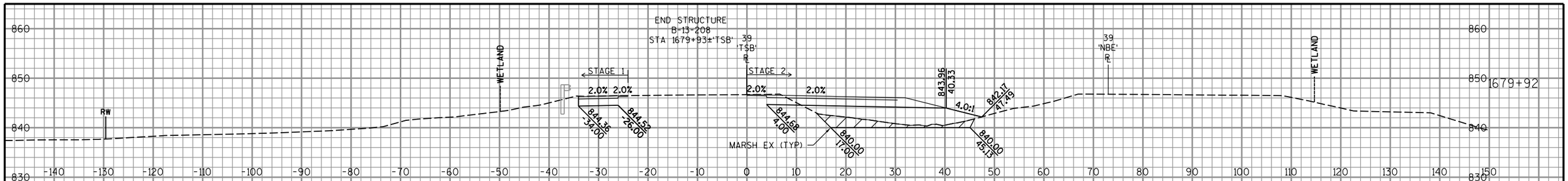


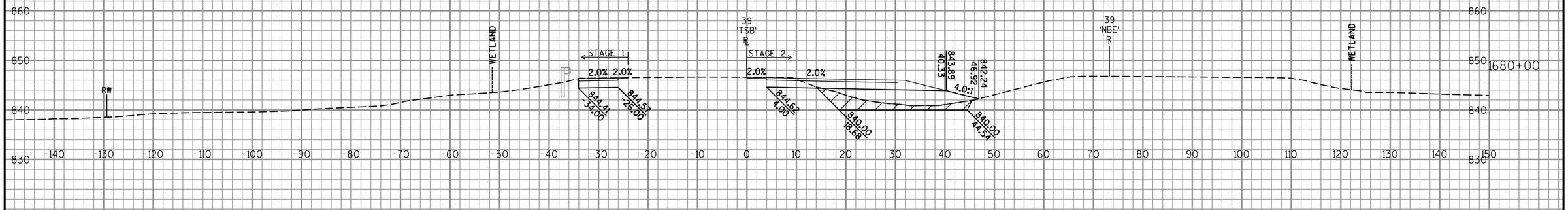
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 330	E

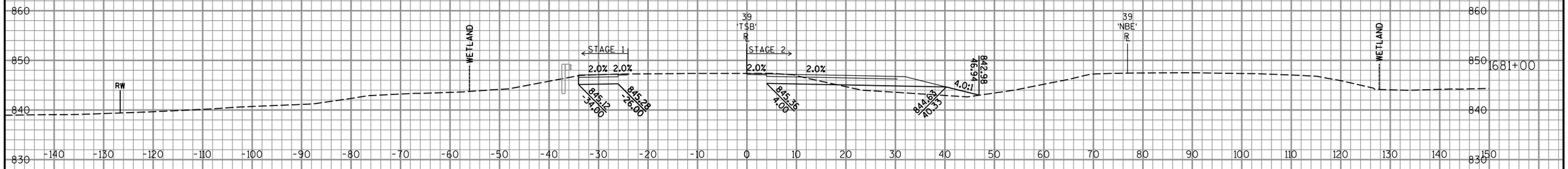
FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

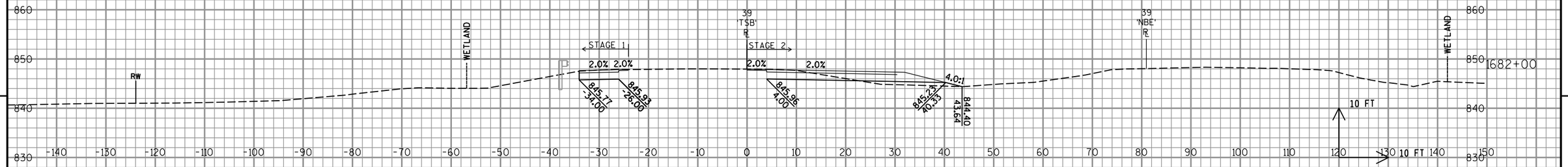
WISDOT/CADDS SHEET 21

END STRUCTURE
B-13-208
STA 1679+93±'TSB'





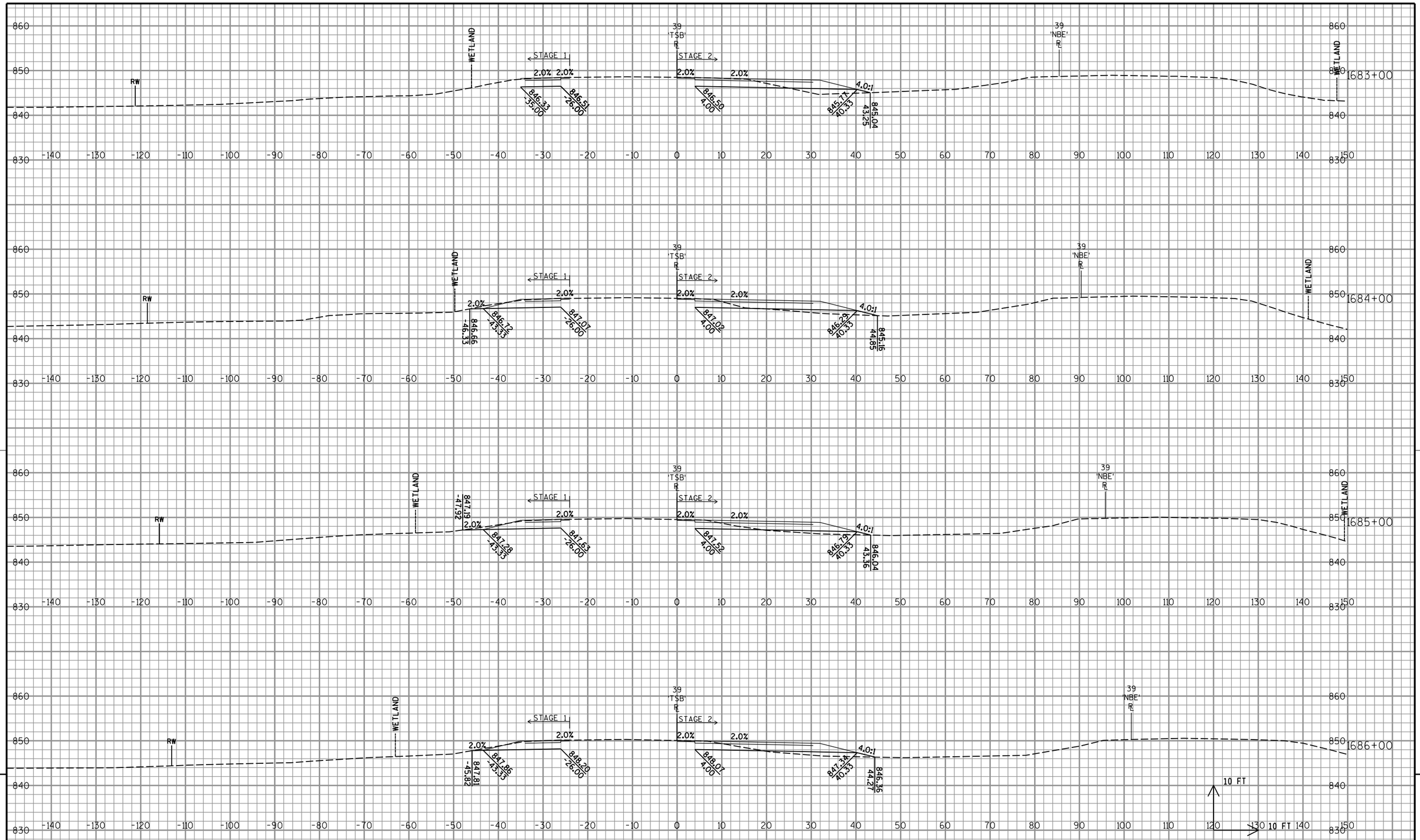




PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 331	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



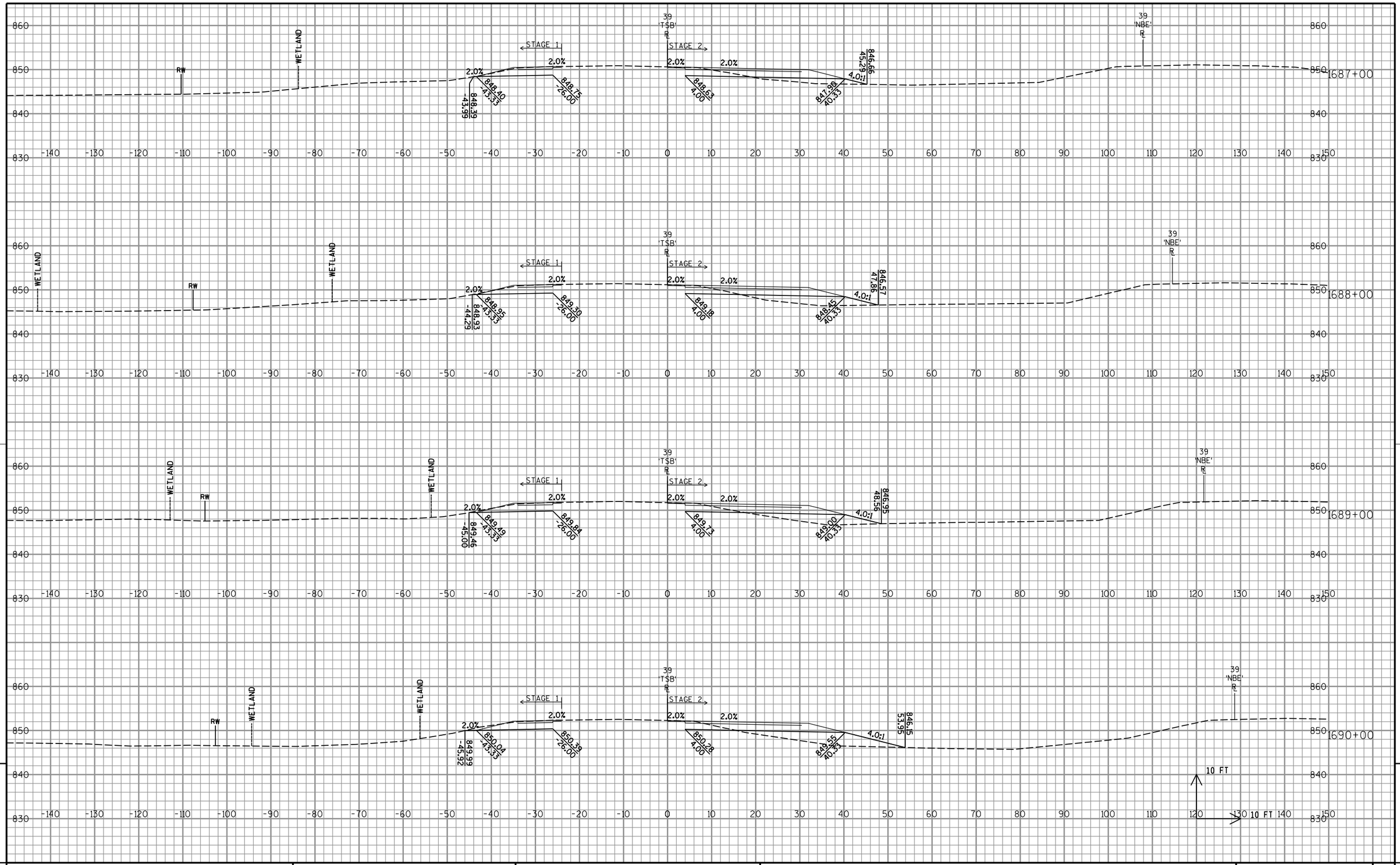
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 332	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

9

9



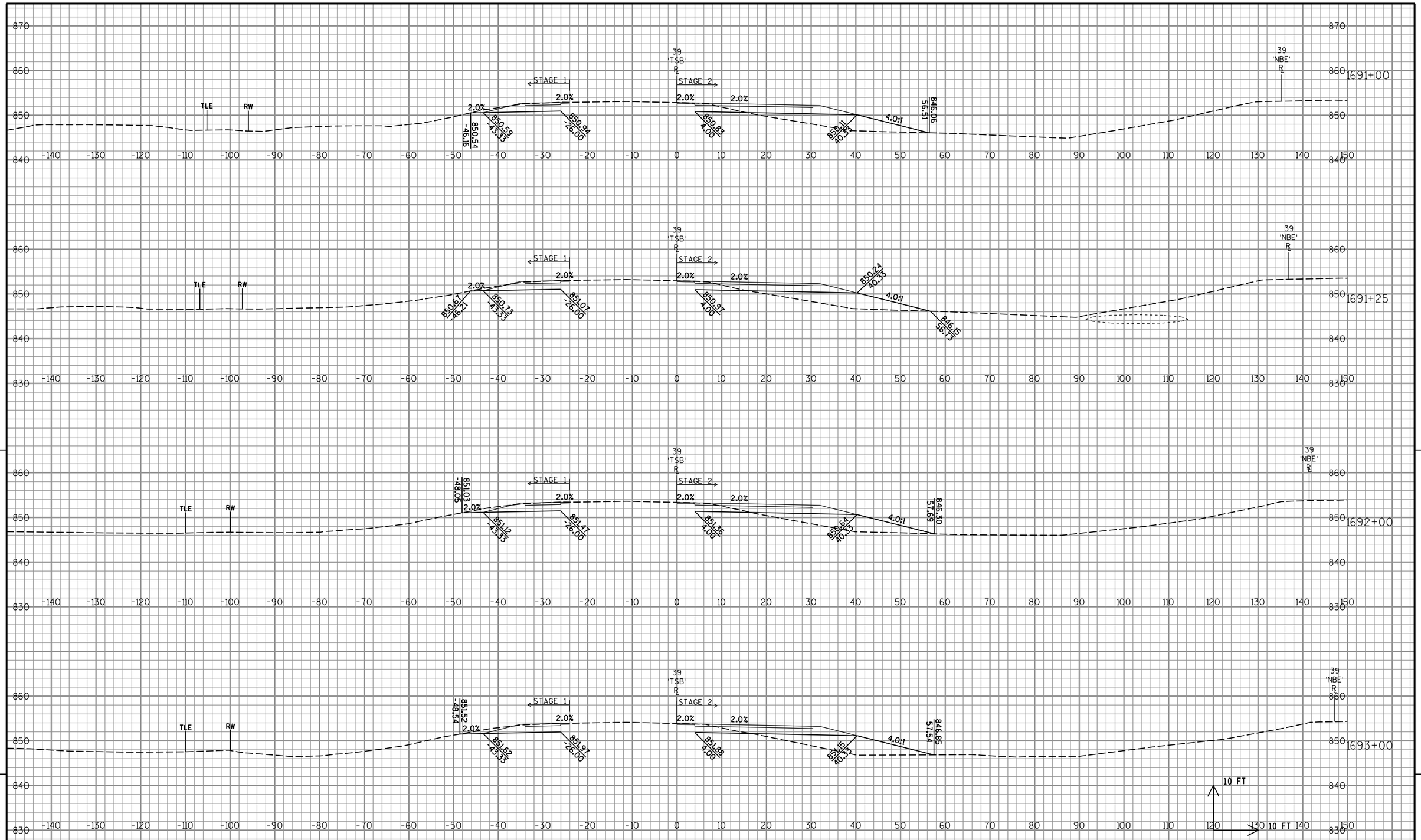
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 333	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



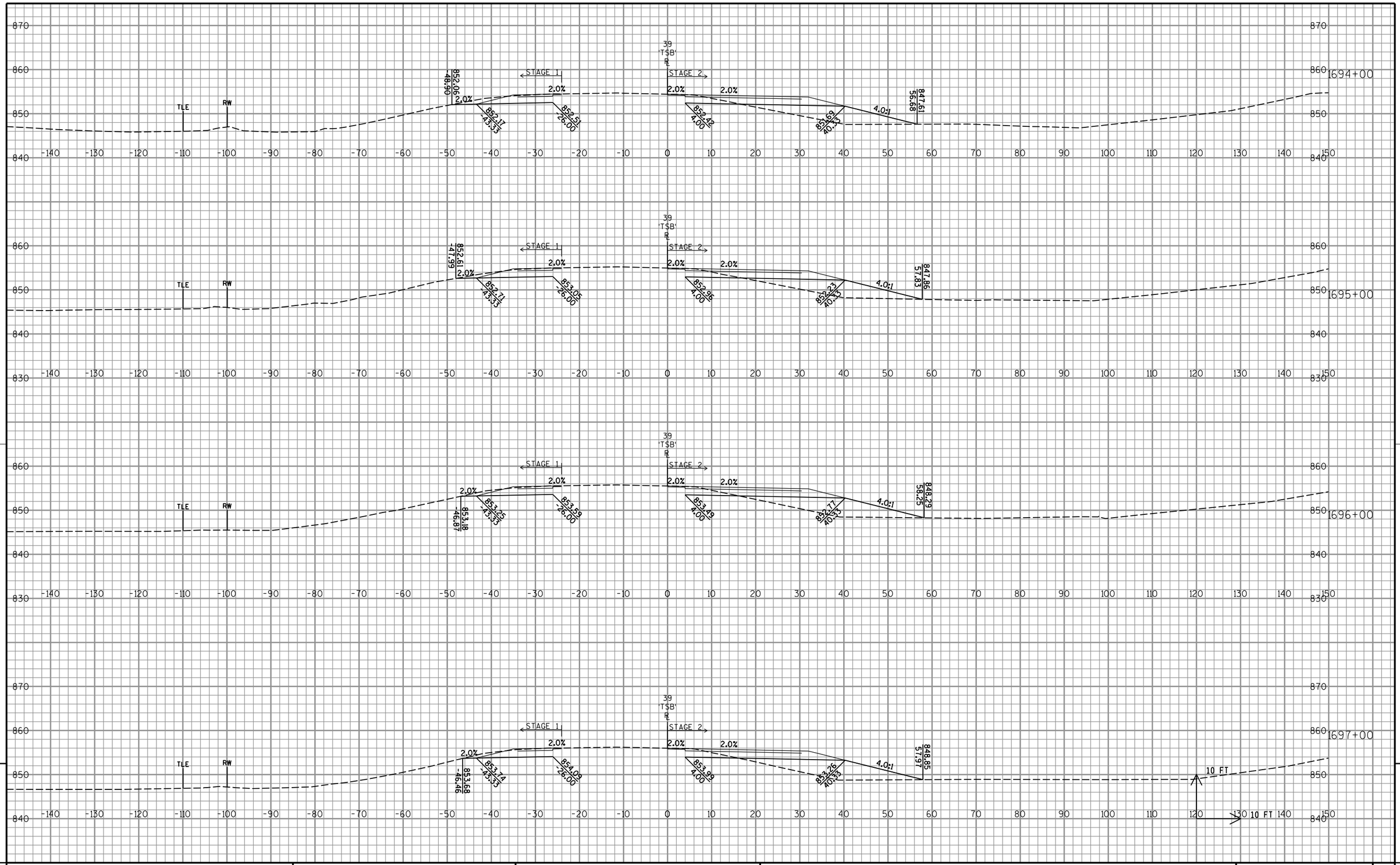
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 334	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

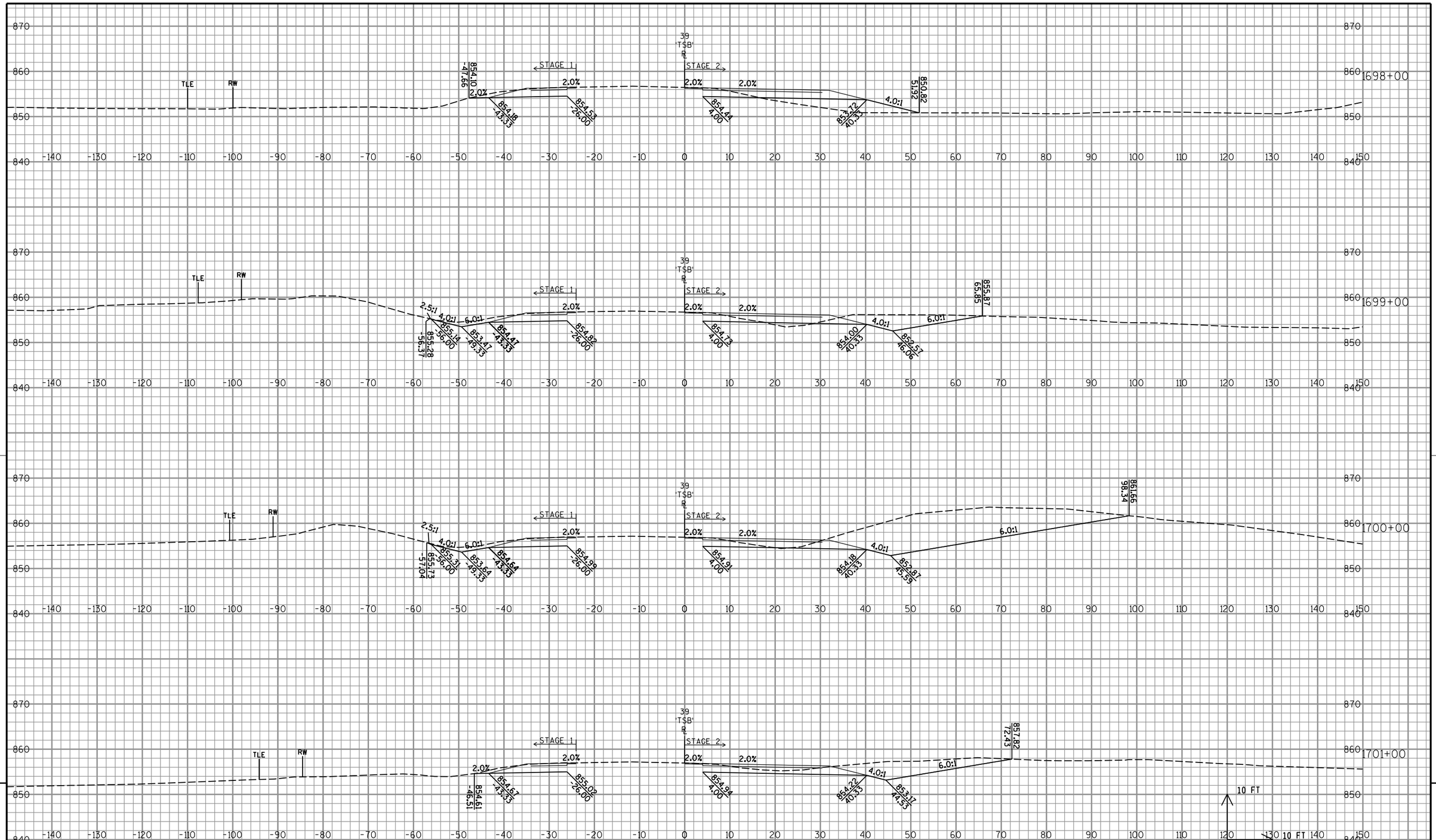


9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 335	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



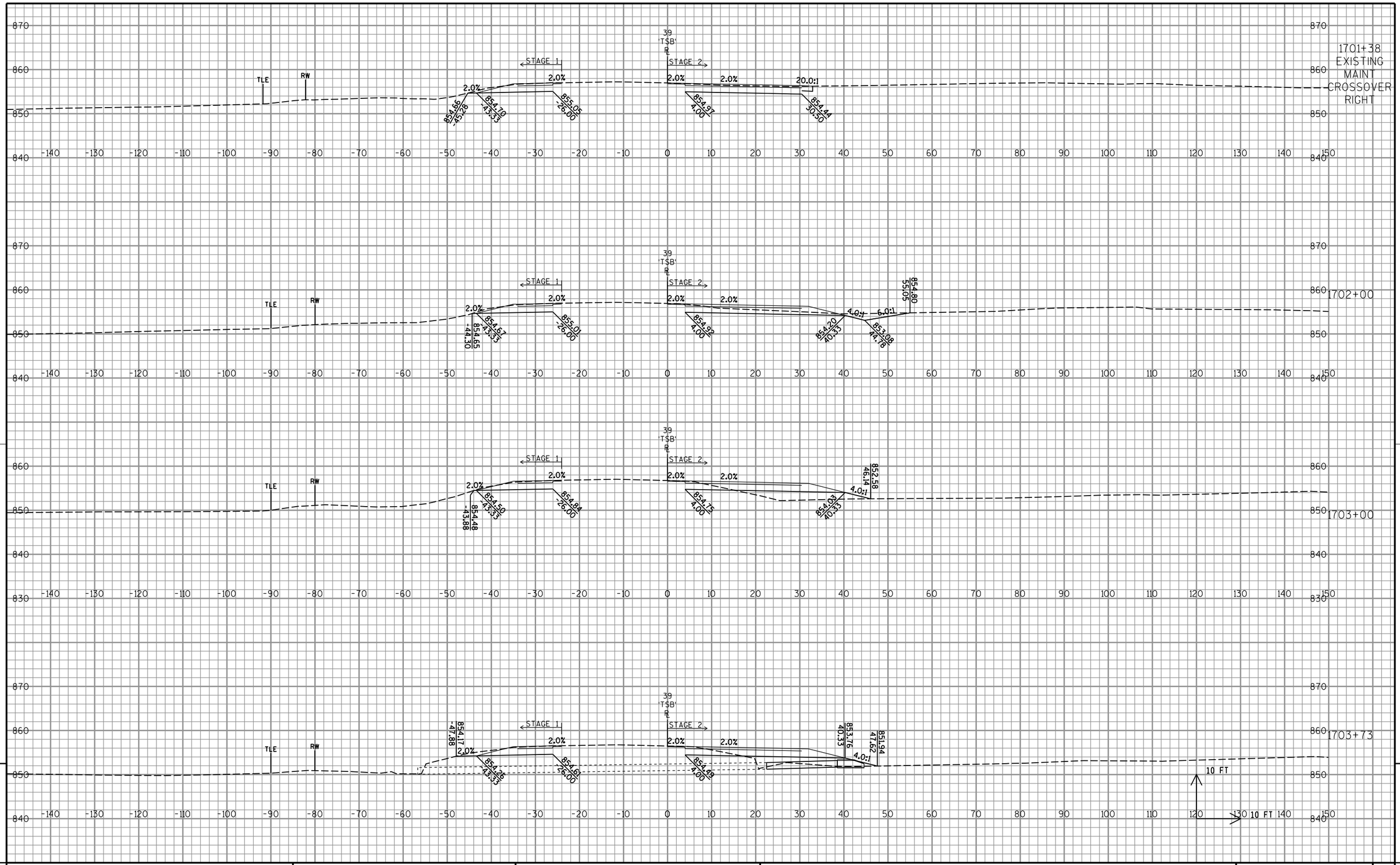
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 336	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

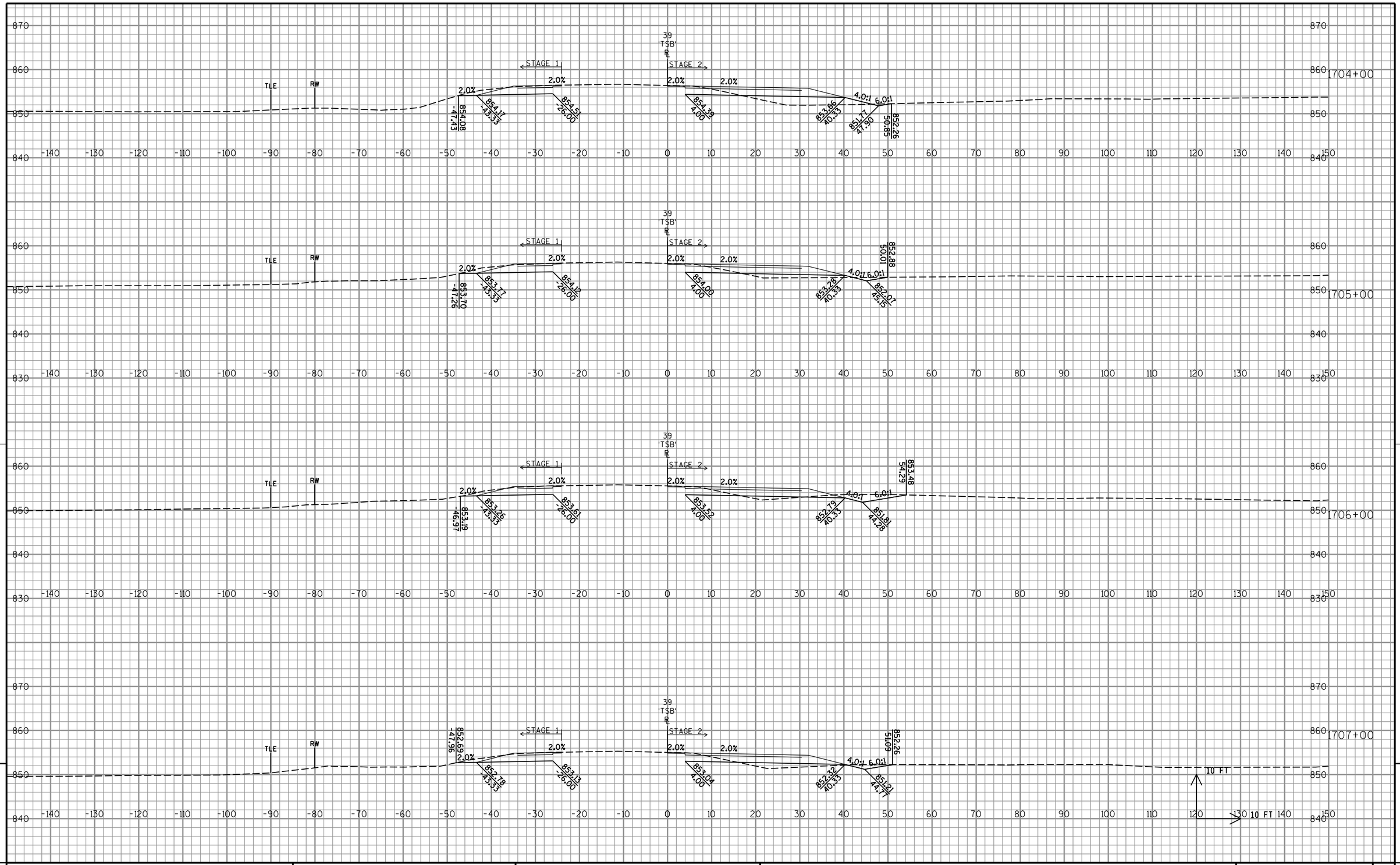


9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 337	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

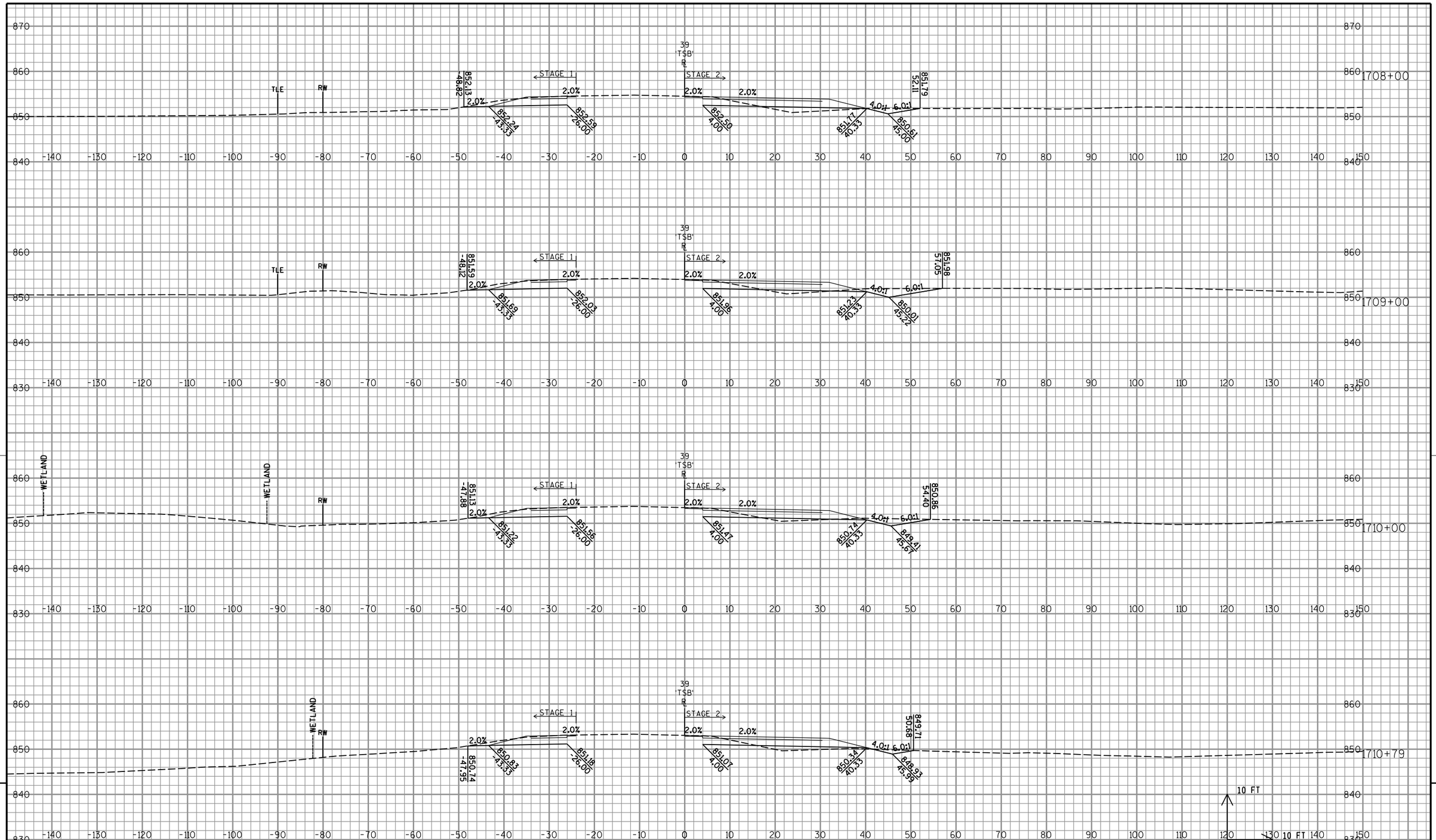
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 338	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



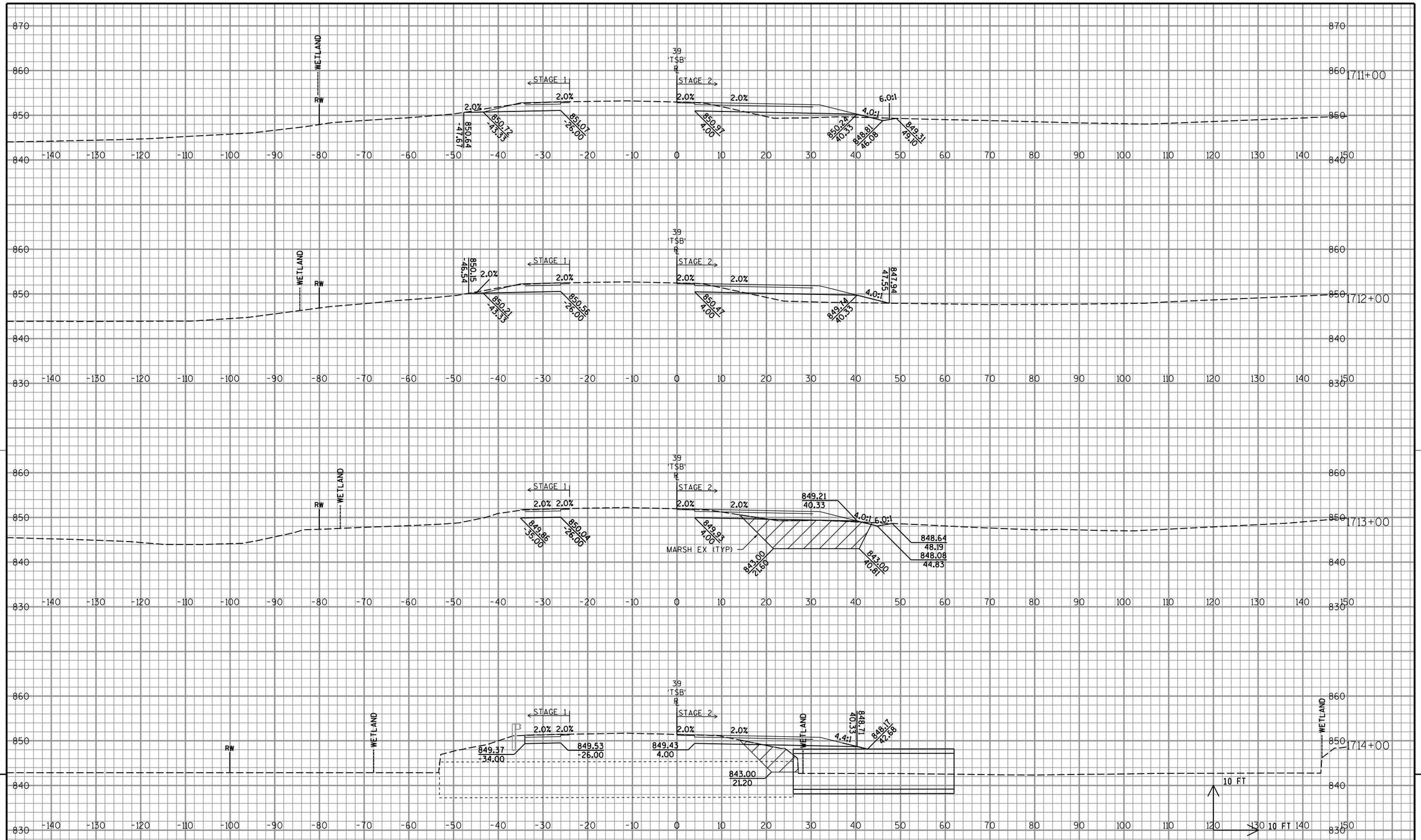
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 339	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

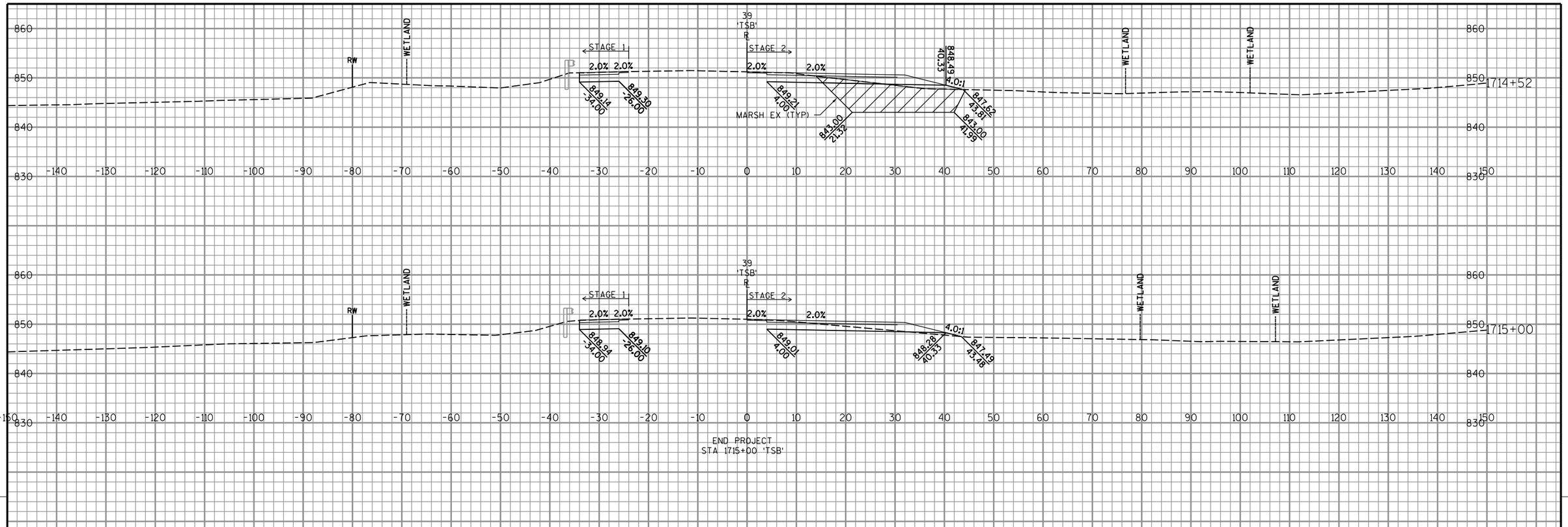
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 340	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

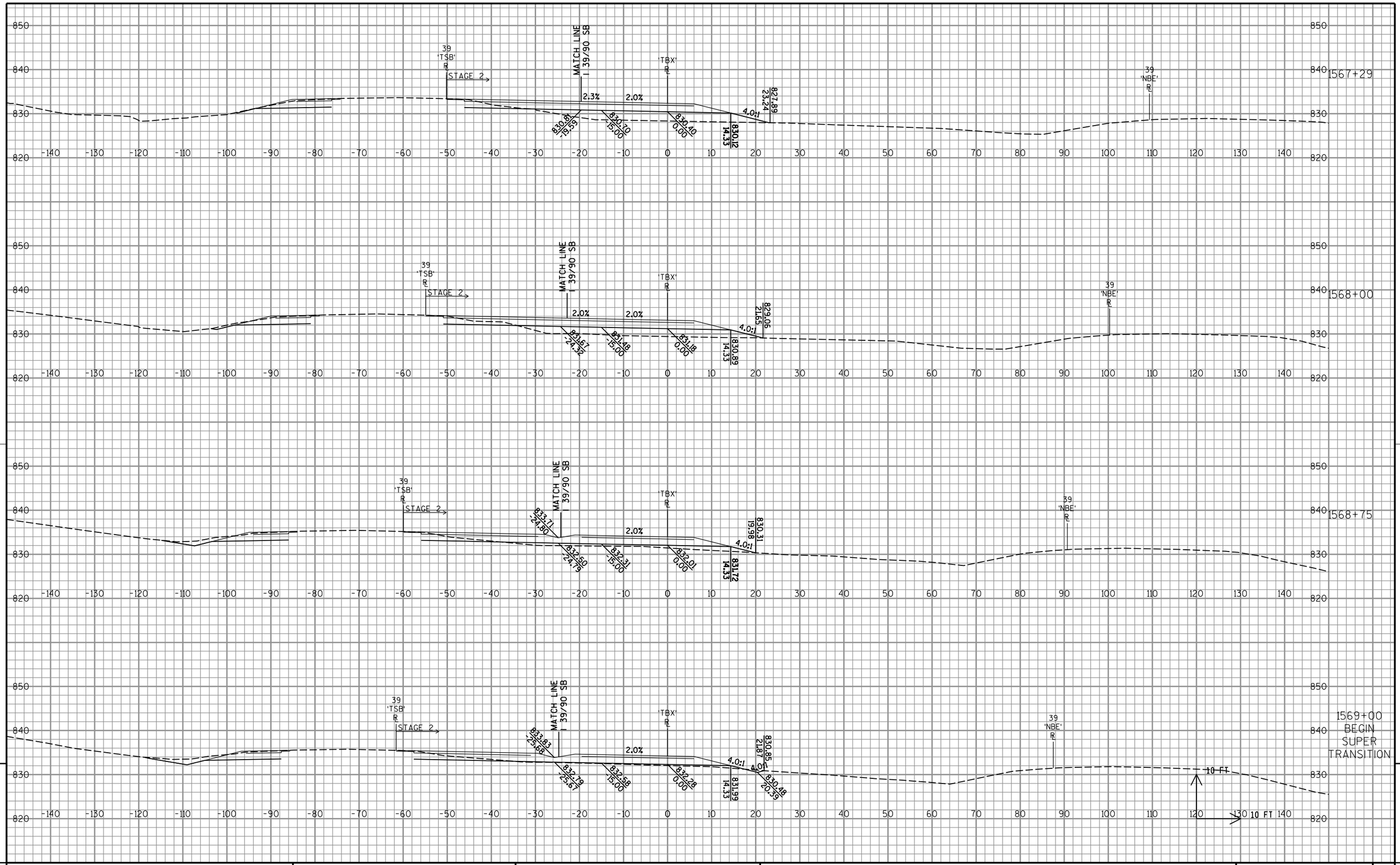
WISDOT/CADDS SHEET 21



9

9

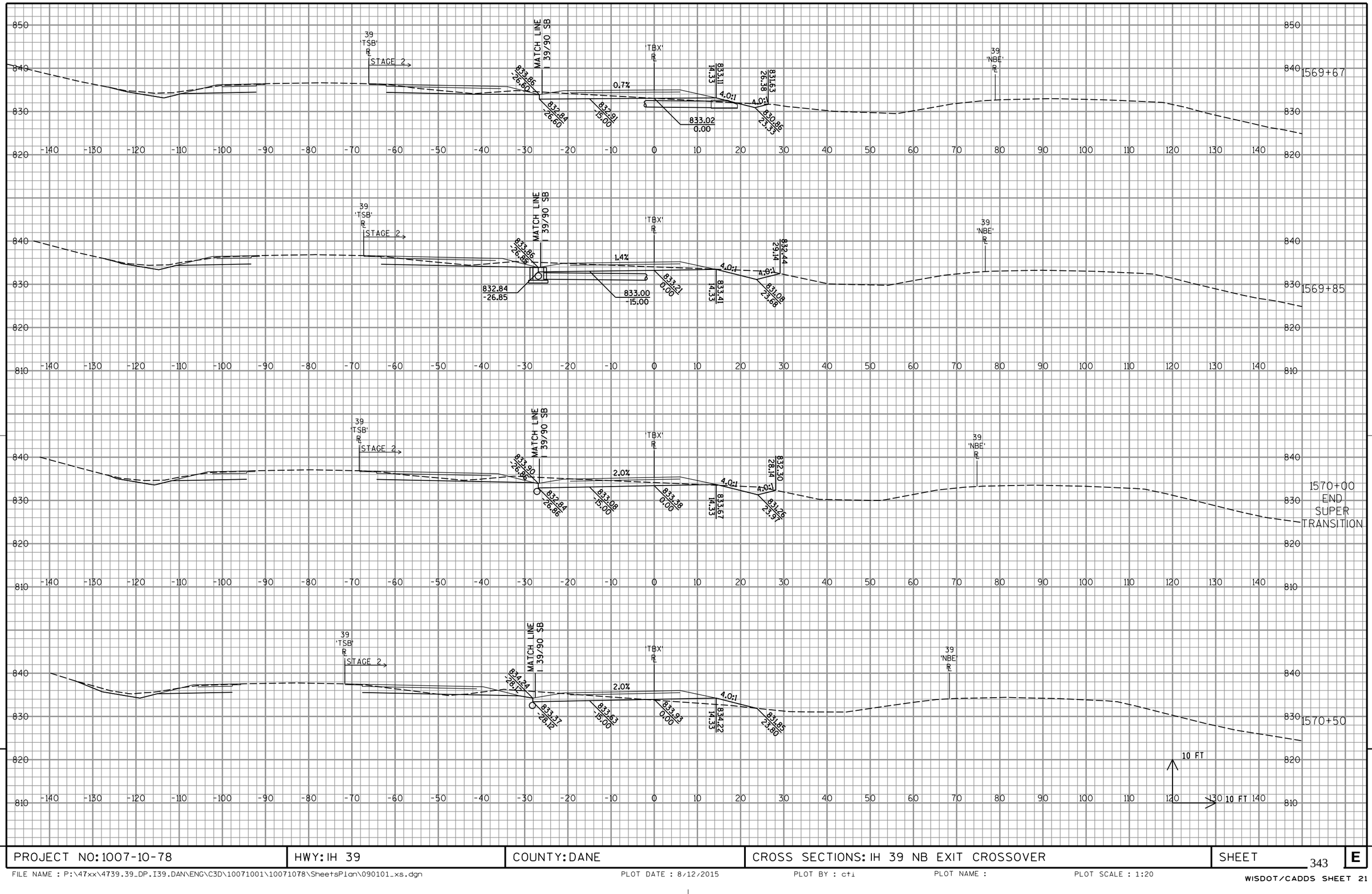
PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 SB	SHEET 341	E



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB EXIT CROSSOVER	SHEET 342	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

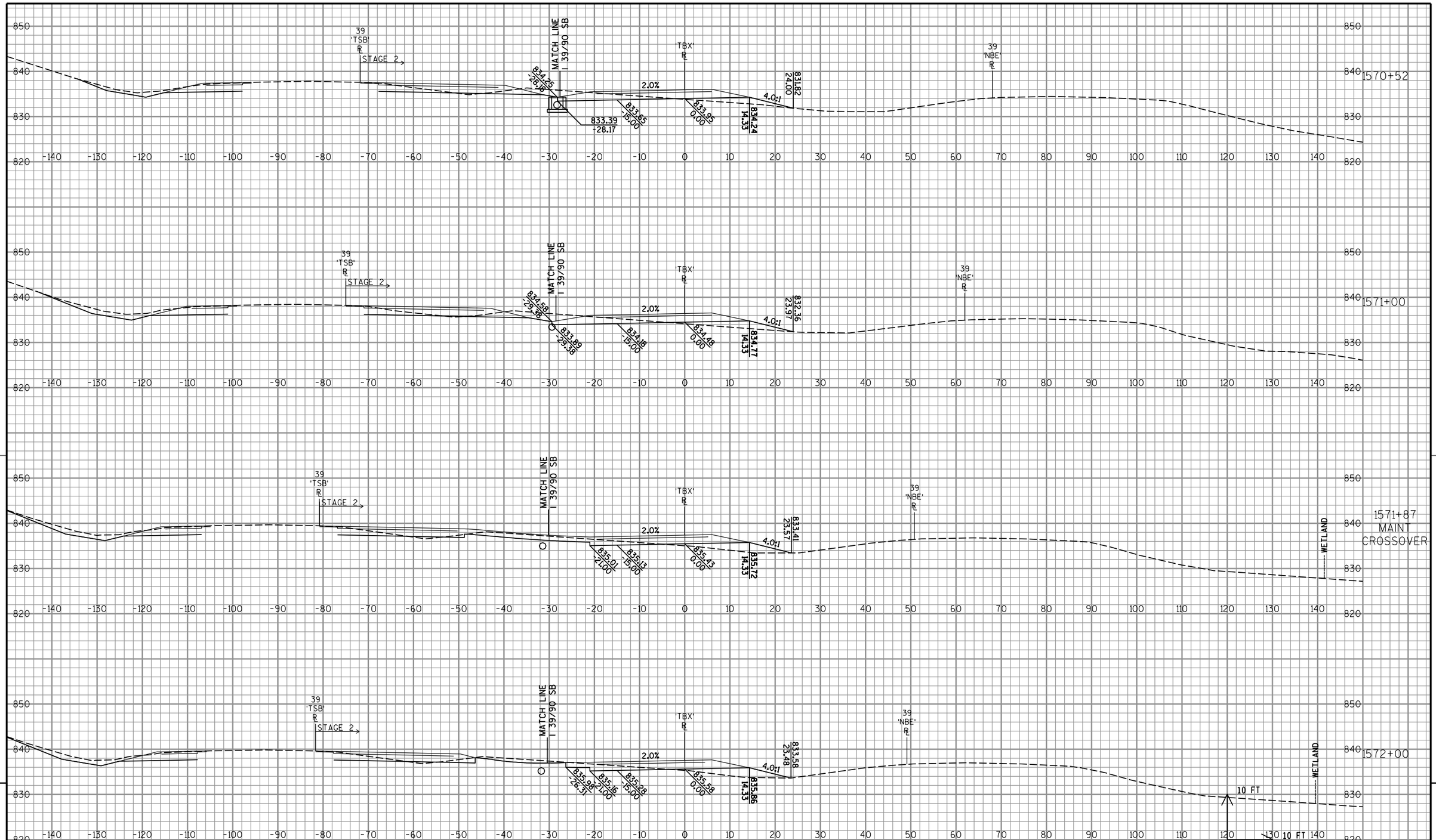
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB EXIT CROSSOVER	SHEET 343	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

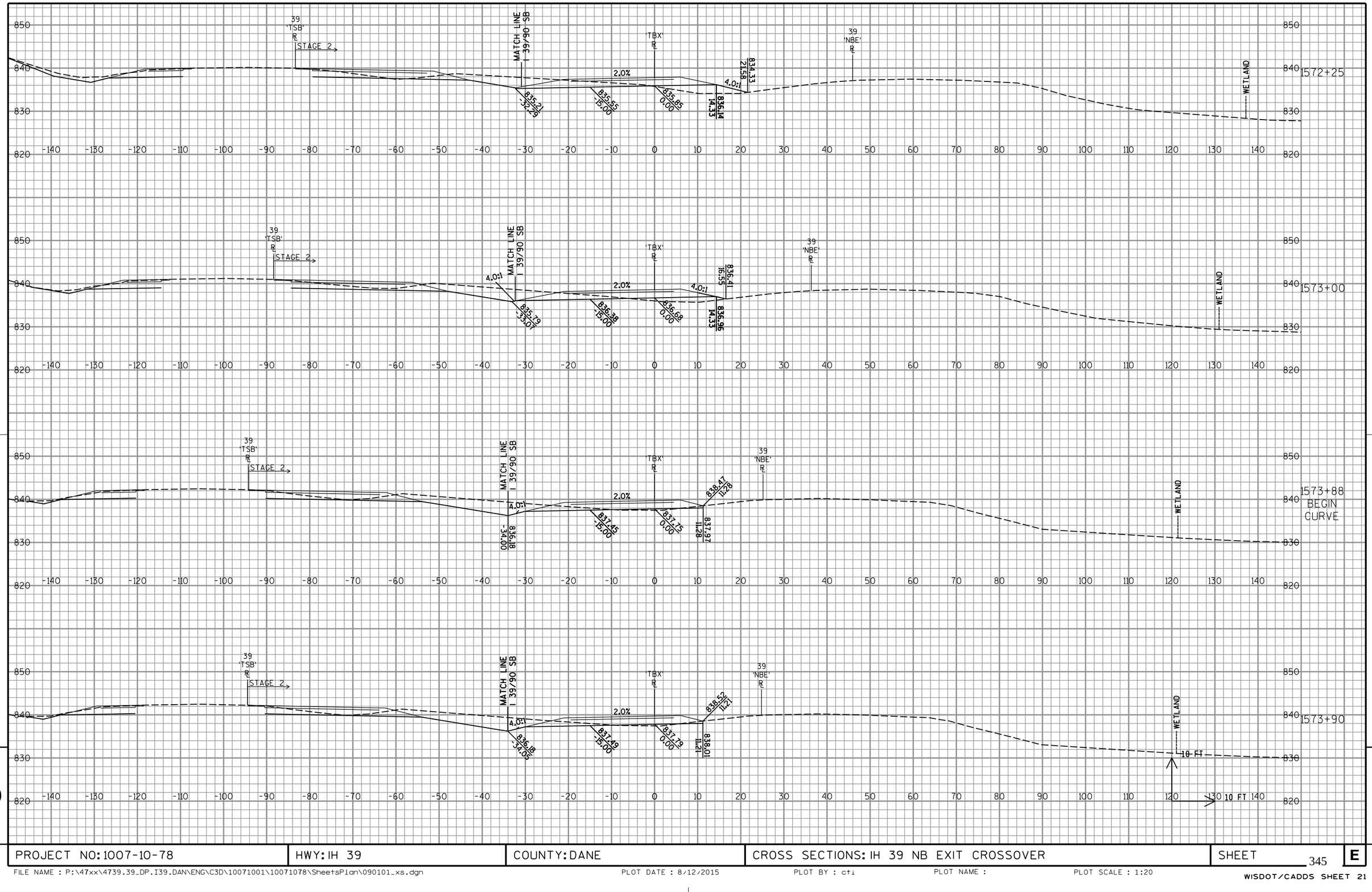
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB EXIT CROSSOVER	SHEET 344	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

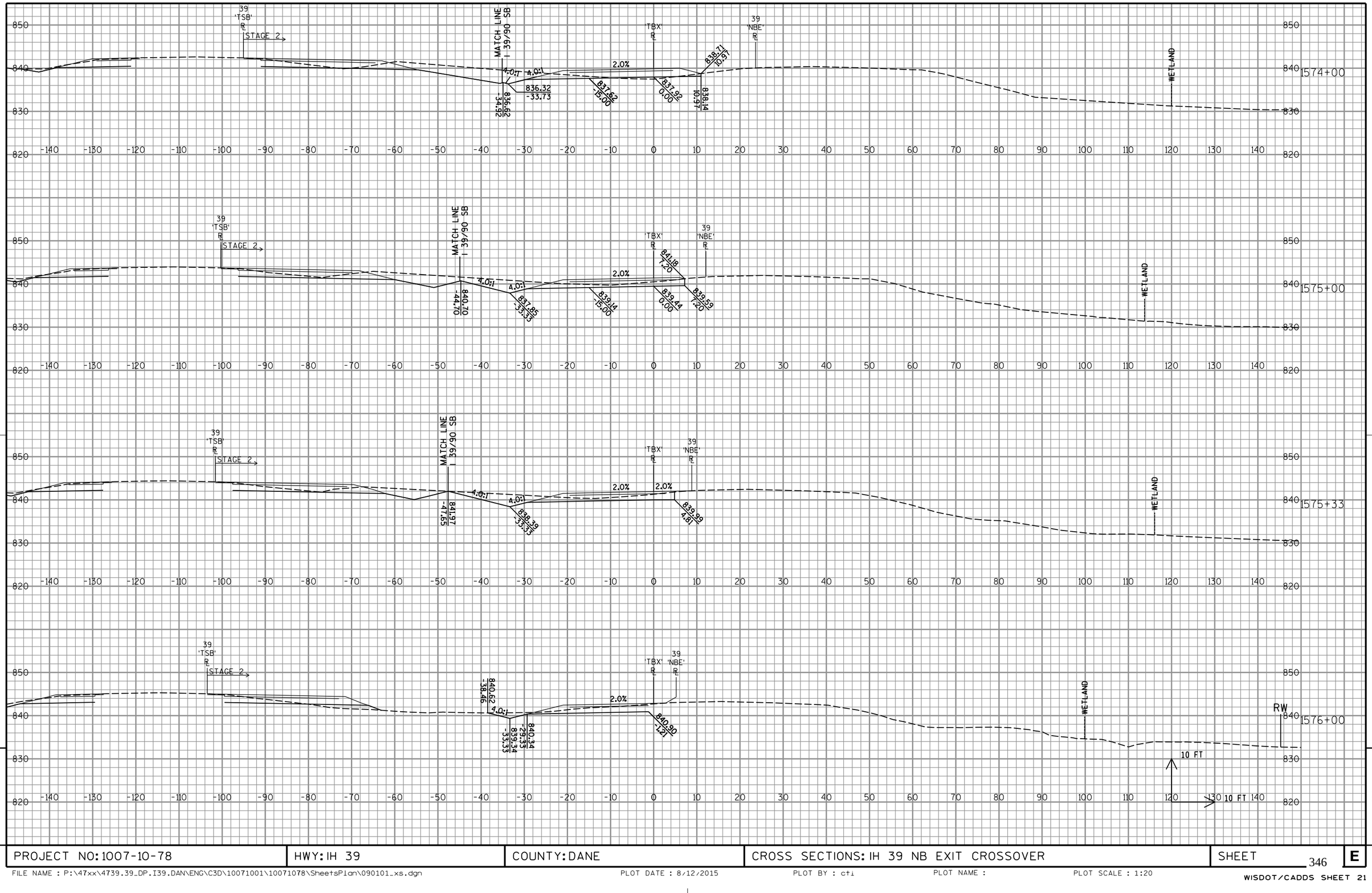
WISDOT/CADDS SHEET 21



PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB EXIT CROSSOVER	SHEET 345	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

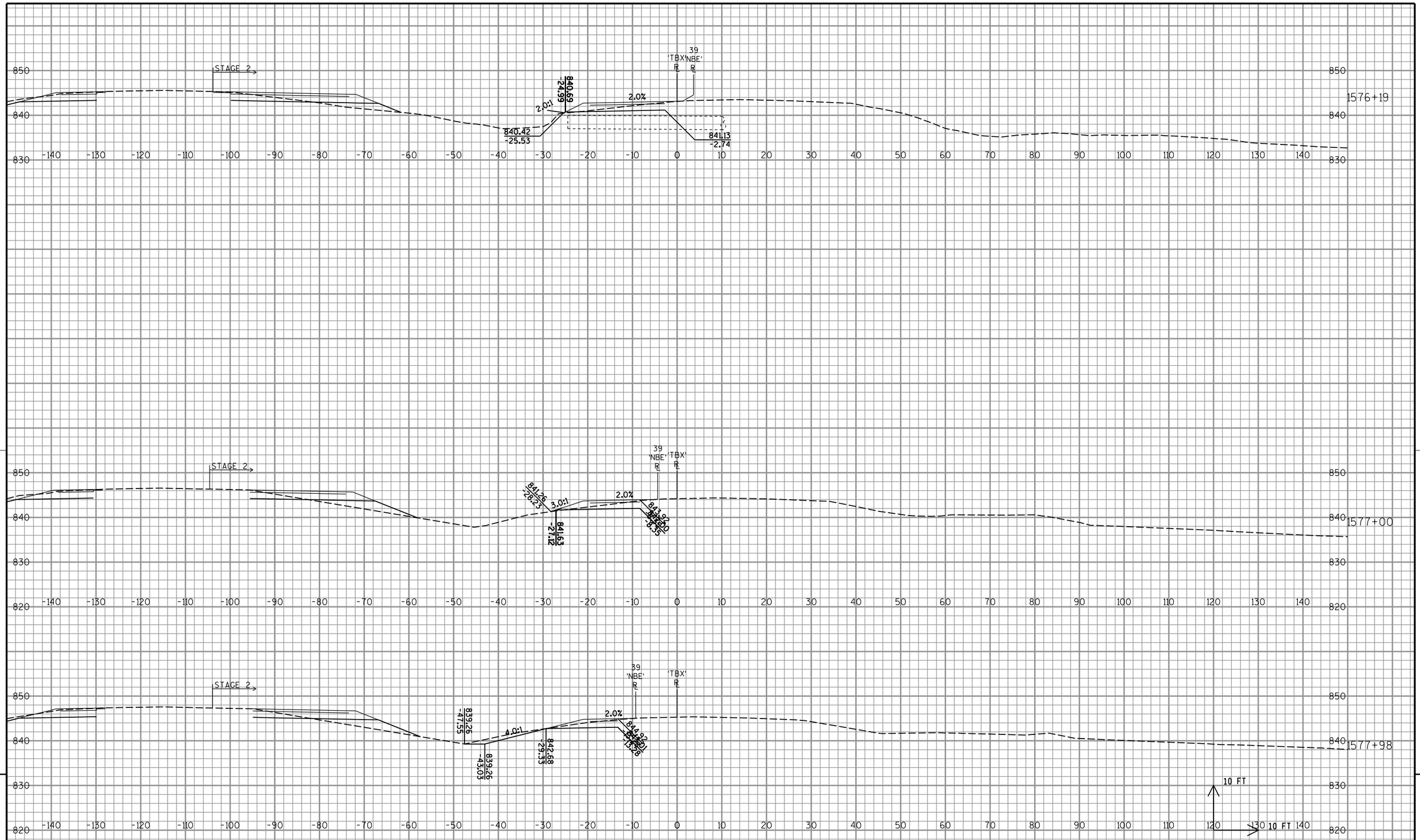


9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB EXIT CROSSOVER	SHEET 346	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



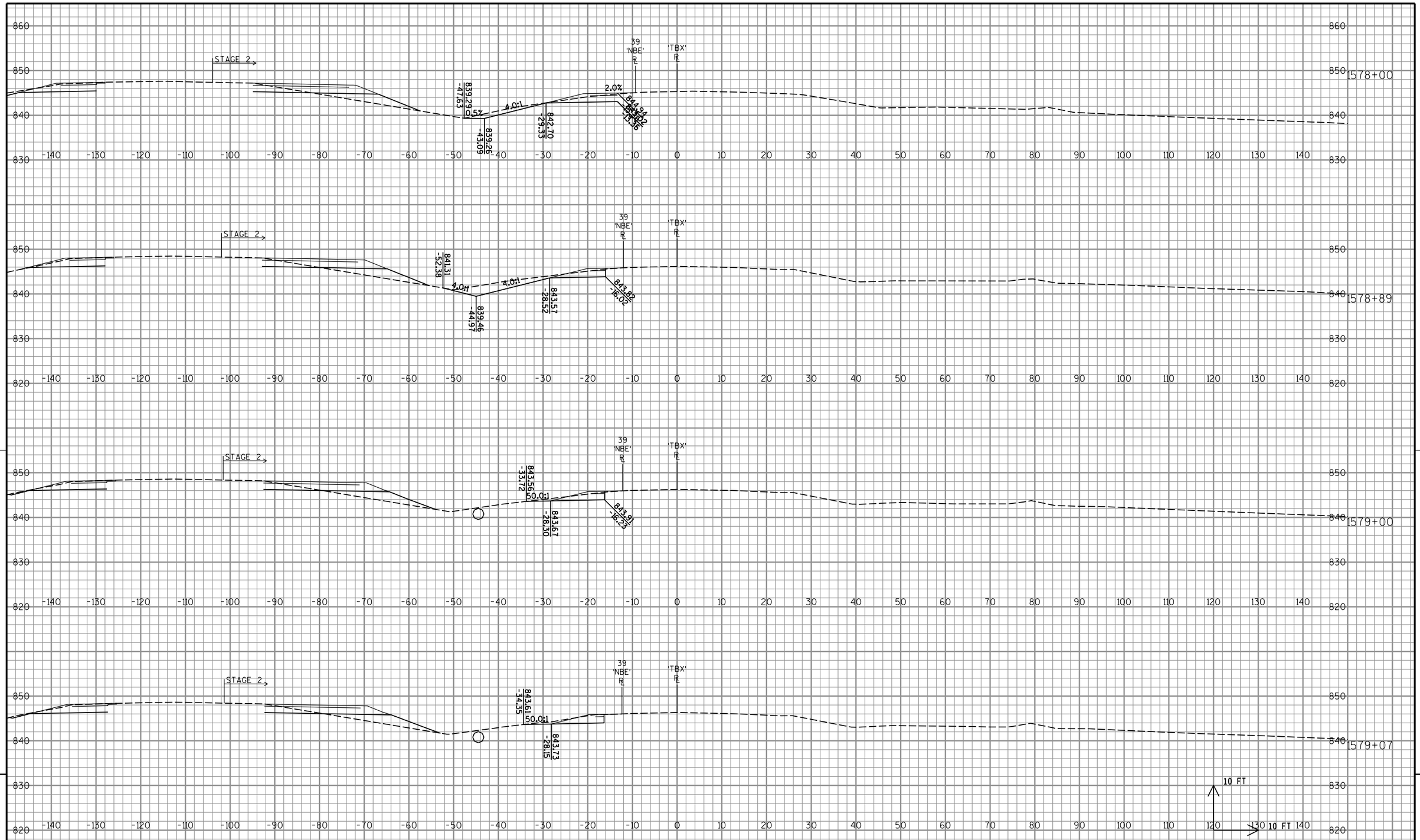
9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB EXIT CROSSOVER	SHEET 347	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 1007-10-78	HWY: IH 39	COUNTY: DANE	CROSS SECTIONS: IH 39 NB EXIT CROSSOVER	SHEET 348	E

FILE NAME : P:\47xx\4739.39_DP.I39.DAN\ENG\C3D\10071001\10071078\SheetsPlan\090101_xs.dgn PLOT DATE : 8/12/2015 PLOT BY : cti PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov