GRE AUGUST 2023

PROJECT ID: 1146-75-73

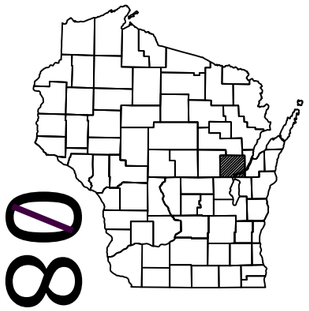
WITH: N/A

COUNTY: OUTAGAMIE

ORDER OF SHEETS

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

TOTAL SHEETS = 722



N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STH 76 - NEW LONDON

CTH T/ GIVENS ROAD - USH 45

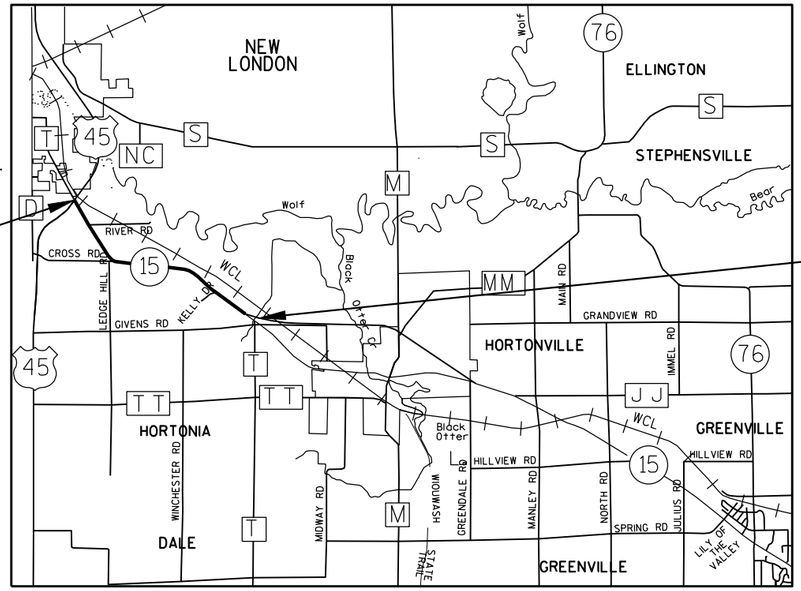
STH 15

OUTAGAMIE COUNTY

STATE PROJECT NUMBER
1146-75-73

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1146-75-73	WISC 2023581	1

R-15-E
R-16-E



BEGIN PROJECT
STA 100'EB'+49.00
Y = 602,275.125
X = 743,951.713

END PROJECT
STA 256'EB'+00.00
Y = 594,076.849
X = 756,032.625

LAYOUT
SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 2.945 MILES

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), NAD 83 (2011), OUTAGAMIE COUNTY.

ALL ELEVATIONS ON THIS PROJECT ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF NAVD 88 (2012), OUTAGAMIE COUNTY.

DESIGN DESIGNATION

A.A.D.T.	2024	=	13,200
A.A.D.T.	2044	=	15,100
D.H.V.		=	1,700
D.D.		=	62 - 38
T.		=	5.2%
DESIGN SPEED		=	60 MPH
ESALS		=	2,300,000

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 (300'EB')
- 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

PREPARED BY

Surveyor	WISDOT NE REGION
Designer	ALAN FARRELL
Project Manager	BILL BERTRAND
Regional Examiner	---
Regional Supervisor	TAMMY RABE

APPROVED FOR THE DEPARTMENT

DATE: 5-1-2023 Bill Bertrand, P.E.
(Signature)

E

ORDER OF SECTION 2 DETAIL SHEETS

-PROJECT OVERVIEW
-TYPICAL SECTIONS
-CONSTRUCTION DETAILS
-INTERSECTION DETAILS
-REMOVALS
-PLAN DETAILS
-PAVING DETAILS
-EROSION CONTROL
-STORM SEWER PLANS
-SIGN REMOVALS
-PERMANENT SIGNING
-TRAFFIC SIGNALS PLAN
-PAVEMENT MARKING
-TRAFFIC CONTROL
-DETOURS
-ALIGNMENT

DNR LIAISON

MATT SCHAEVE
DNR NORTHEAST REGIONAL HEADQUARTERS
2984 SHAWANO AVE.
GREEN BAY, WI 54313
(920) 366-1544
matthew.schaeve@wisconsin.gov

COUNTY HIGHWAY COMMISSIONER

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1313 HOLLAND RD
APPLETON, WI 54911-8946
920-832-5673
dean.steingraber@outagamie.org

NE REGION SURVEY COORDINATOR

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944 VANDERPERREN WAY
GREEN BAY, WI 54304
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michael.andraschko@dot.wi.gov

NE REGION DESIGN PROJECT MANAGER

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william.bertrand@dot.wi.gov

COMMUNICATIONS

WE ENERGIES-ELECTRIC
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800 SOUTH LYNNDALE DRIVE
APPLETON, WI 54914
PHONE: 414-944-5553
MOBILE: 414-588-0455
CHRIS.SCHULZ@WE-ENERGIES.COM

WE ENERGIES-GAS/PETROLEUM
CODY BECKMAN
800 SOUTH LYNNDALE DRIVE
APPLETON, WI 54914
PHONE: 920-380-3422
MOBILE: 920-428-1038
CODY.BECKMAN@WE-ENERGIES.COM

SPECTRUM-COMMUNICATIONS
BILL PARMENTER
853 MCINTOSH STREET
PO BOX 1818
WAUSAU, WI 54402-1818
PHONE: 608-301-6189
BILL.PARMENTER@CHARTER.COM

NEW LONDON UTILITIES-ELECTRIC
MIKE FREDERICK
400 EAST NORTH WATER STREET
NEW LONDON, WI 54961
PHONE: 920-359-0784
MFREDERICK@WPPIENERGY.ORG

AT&T WISCONSIN - COMMUNICATIONS
JOE KASSAB
205 SOUTH JEFFERSON STREET
GREEN BAY, WI 54301
PHONE: 920-433-4200
MOBILE: 920-202-4002
JK572K@ATT.COM

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 = 99.6 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 94.8 ACRES

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

2

GENERAL NOTES

CURVE DATA IS BASED ON ARC DEFINITION.

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 LOCATION OF SAW CUTS WILL BE DETERMINED OR AS APPROVED BY THE ENGINEER.
SAW CUT JOINTS SHALL BE ACCOMPLISHED WITHOUT DAMAGE TO REMAINING PORTIONS.

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

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS BUT IS MEASURED AND PAID FOR AS UNCLASSIFIED EXCAVATION. THE LOCATION OF EBS WILL BE DETERMINED BY THE ENGINEER.

ALL DISTURBED AREAS, NOT OTHERWISE SURFACED, ARE TO BE TOPSOILED, FERTILIZED, SEEDED AND COVERED WITH MULCH OR EROSION MAT, AS SHOWN ON THE PLANS.

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY THEIR OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

THE EXACT LOCATIONS OF ALL EROSION CONTROL ITEMS SHALL BE DETERMINED BY THE ENGINEER.

ALL RADII ARE MEASURED TO EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN OR NOTED ON THE PLAN.

EXPANSION JOINTS TO BE CONSTRUCTED AT ALL RADIUS POINTS IN CURB AND GUTTER OR AT LOCATIONS SHOWN ON THE PLAN.

THE LOCATION OF EXISTING MANHOLES AS SHOWN ON THE PLANS IS APPROXIMATE.

THE EXACT LOCATION OF ACCESS POINTS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER, EXCEPT FOR CONTROLLED LOCATIONS SHOWN ON THE PLAT.

ANY MESH MATERIAL THAT IS FOUND IN THE EXISTING CONCRETE PAVEMENT SHALL BE INCIDENTAL TO THE REMOVAL OF THE PAVEMENT ITEM IN THAT SECTION. EXISTING PAVEMENT DEPTHS ARE BASED ON SOIL BORINGS AND MAY VARY IN THE FIELD.

END CONSTRUCTION
STA 50+50'USH'

FOX VALLEY AND LAKE
SUPERIOR RAIL SYSTEM LLC

WOLF RIVER RUN

END CONSTRUCTION
STA 29+00'RVR'

30'RVR'

RIVER ROAD

HORTONIA

EQUATION
STA AHD = 161'WB'+59.88
STA BK = 161'WB'+07.18

160'WB'

160'EB'

C-44-121
TRIBUTARY TO WOLF RIVER

100'WB'

CTH T

100'EB'

NEW LONDON

110'WB'

110'EB'

120'WB'

120'EB'

130'WB'

130'EB'

140'WB'

140'EB'

150'WB'

150'EB'

STH 15

BEGIN PROJECT
STA 100'EB'+49.00
Y=602,275.125
X=743,951.713

USH 45

STA AHD = 114'WB'29.00
STA BK = 114'WB'25.48

EQUATION

BEGIN CONSTRUCTION
STA 42+00'LED'

LEDGE HILL ROAD

END CONSTRUCTION
STA 33+68'USH'

BEGIN CONSTRUCTION
STA 17+00'CRS'

20'CRS'

CROSS ROAD

N

STA AHD = 218'WB'+40.44
STA BK = 218'WB'+78.08

EQUATION

170'WB'

170'EB'

180'WB'

180'EB'

190'WB'

190'EB'

200'WB'

200'EB'

STH 15

210'WB'

210'EB'

220'WB'

220'EB'

C-44-122
TRIBUTARY TO WOLF RIVER

230'WB'

230'EB'

BEGIN CONSTRUCTION
STA 16+00'KLY'

KELLY DRIVE

240'WB'

240'EB'

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 020201-po

PLOT DATE : 3/30/2023 11:21 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:500 FT

2

2

N

EQUATION
STA AHD = 256'WB'+92.48
STA BK = 256'WB'+69.34

220'WB'
'EB'
230'WB'
230'EB'
240'WB'
240'EB'
250'WB'
250'EB'
260'WB'
260'EB'

BEGIN CONSTRUCTION
STA 16+00'KLY'

KELLY DRIVE

STH 15

C-44-123
TRIBUTARY TO WOLF RIVER

END PROJECT
STA 256'EB'+00.00
Y=594,076.849
X=756,032.625

Station=99'GIV'+50.00
Y=592914.302
X=758276.978

Station=105'GIV'+00.00
Y=592904.323
X=758826.887

100
102
104

WISCONSIN CENTRAL LTD

GIVENS ROAD

SALT SHED SITE LOCATION

W. GIVENS ROAD

CTH T

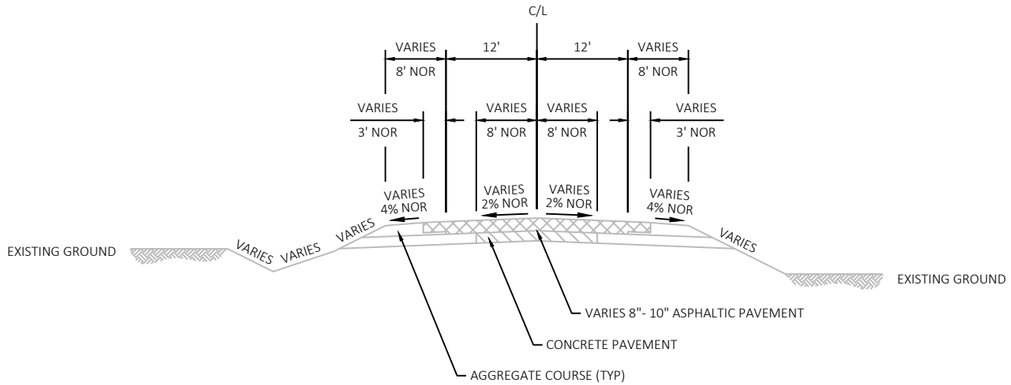
OLD STH 15 WEST

HORTONVILLE

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PROJECT OVERVIEW	SHEET 5	E

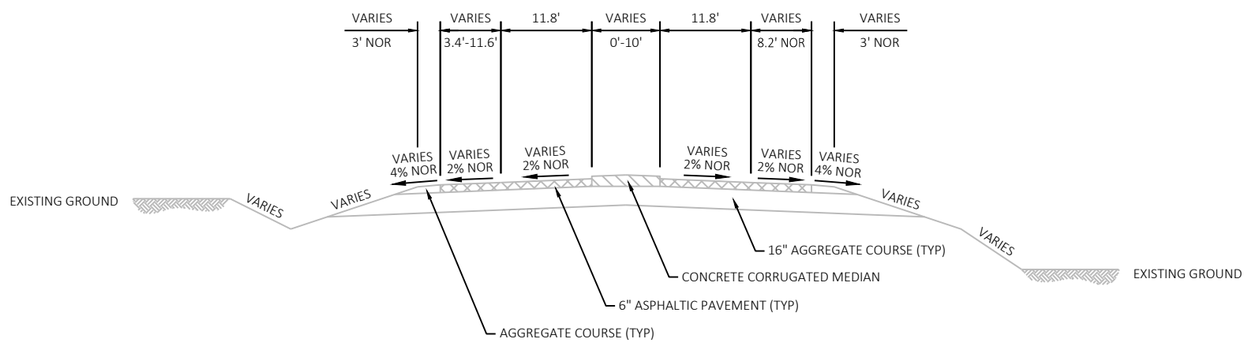
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 020202-po
PLOT DATE : 6/21/2023 7:00 AM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION STH 15

STA 107+00 TO STA 144+45
STA 191+50 TO STA 205+80
STA 219+50 TO STA 245+20

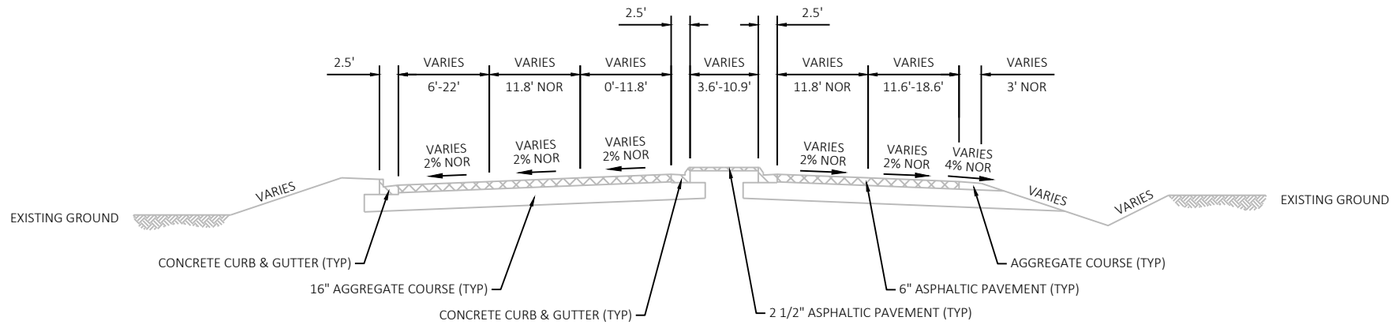


EXISTING TYPICAL SECTION STH 15

STA 104+15 TO STA 107+00

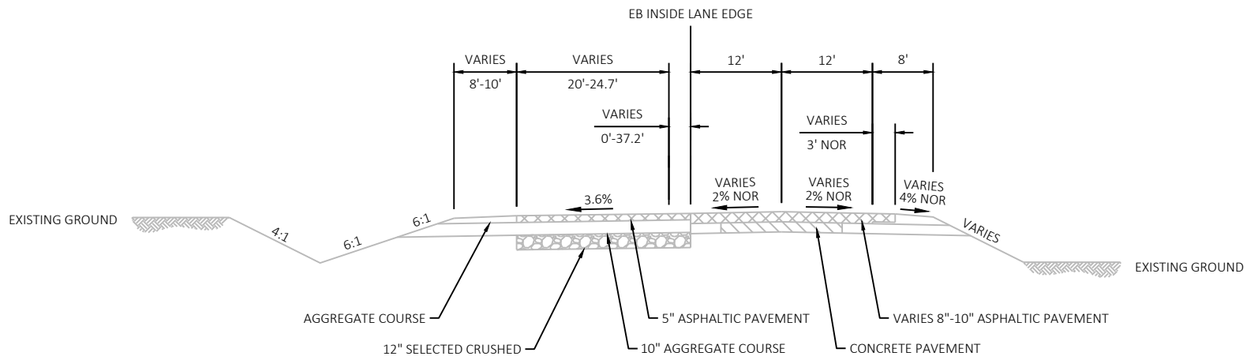
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EXISTING TYPICALS SECTIONS	SHEET 6	E

2



EXISTING TYPICAL SECTION STH 15

STA 100+49 TO STA 104+15

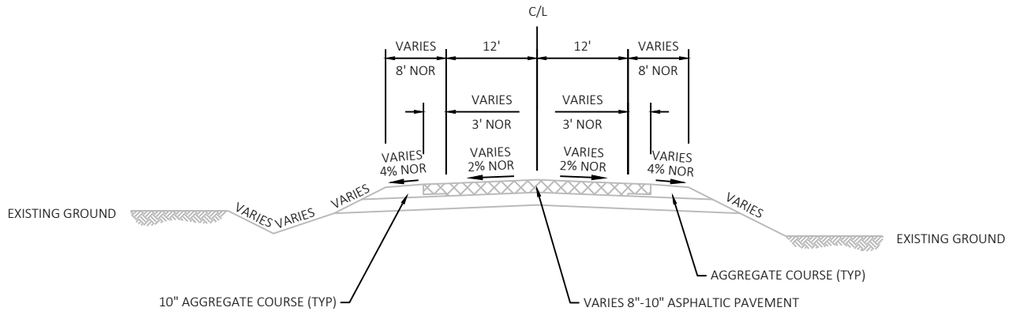


EXISTING TYPICAL SECTION STH 15

STA 245+20 TO STA 250+37

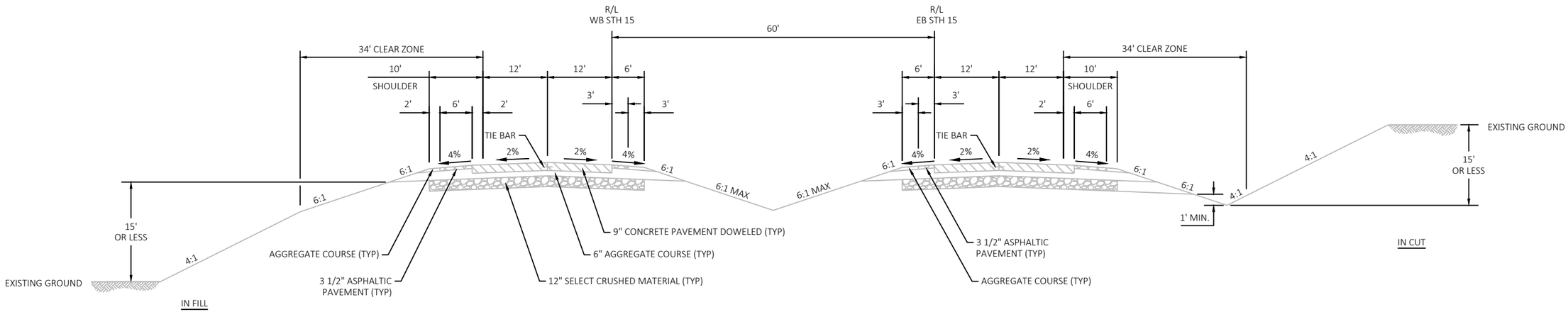
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EXISTING TYPICALS SECTIONS	SHEET 7	E

2



EXISTING TYPICAL SECTION STH 15

STA 144+45 TO STA 191+50
STA 205+80 TO STA 219+50



EXISTING TYPICAL SECTION STH 15

STA 256'EB'+00 TO STA 258'EB'+00

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EXISTING TYPICALS SECTIONS	SHEET 8	E

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LAYOUT NAME - 020303-ts

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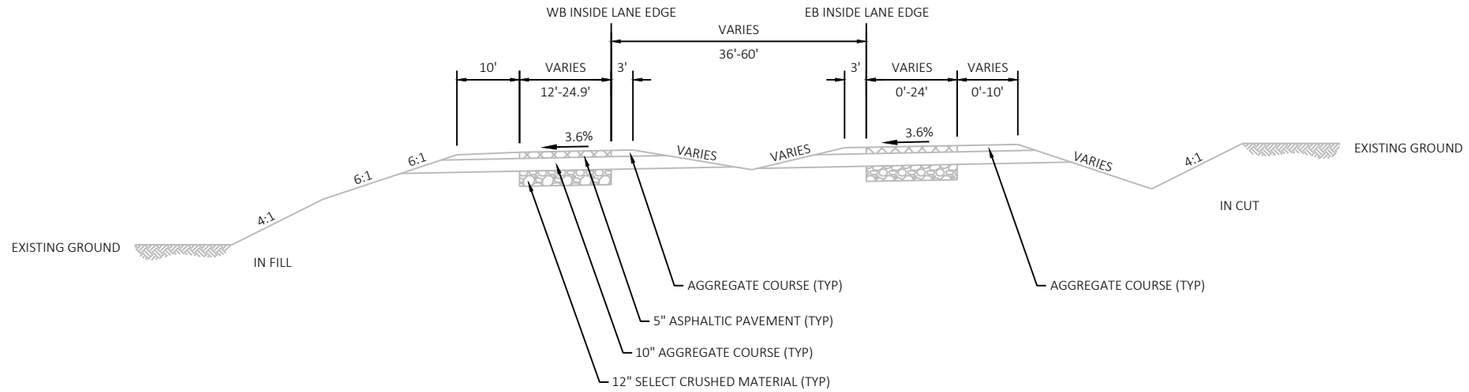
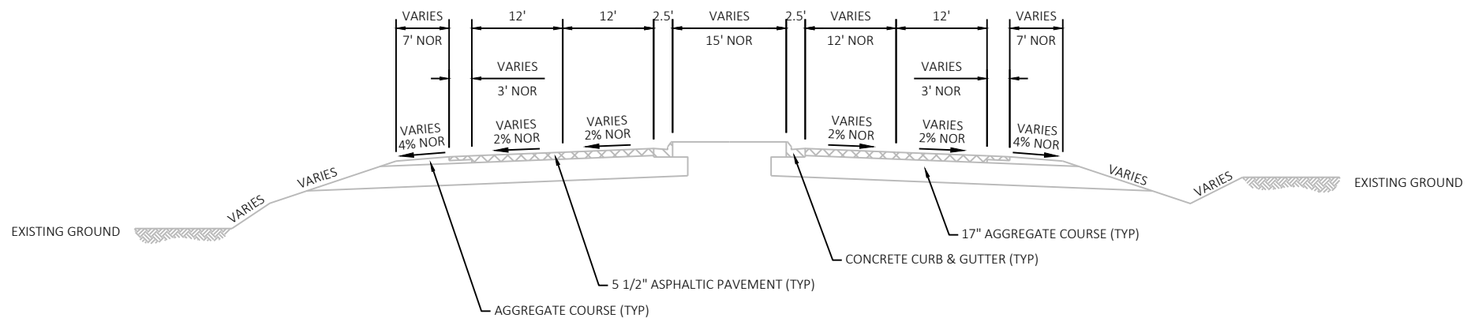
2



EXISTING TYPICAL SECTION STH 15

STA 250+38 TO STA 256+00

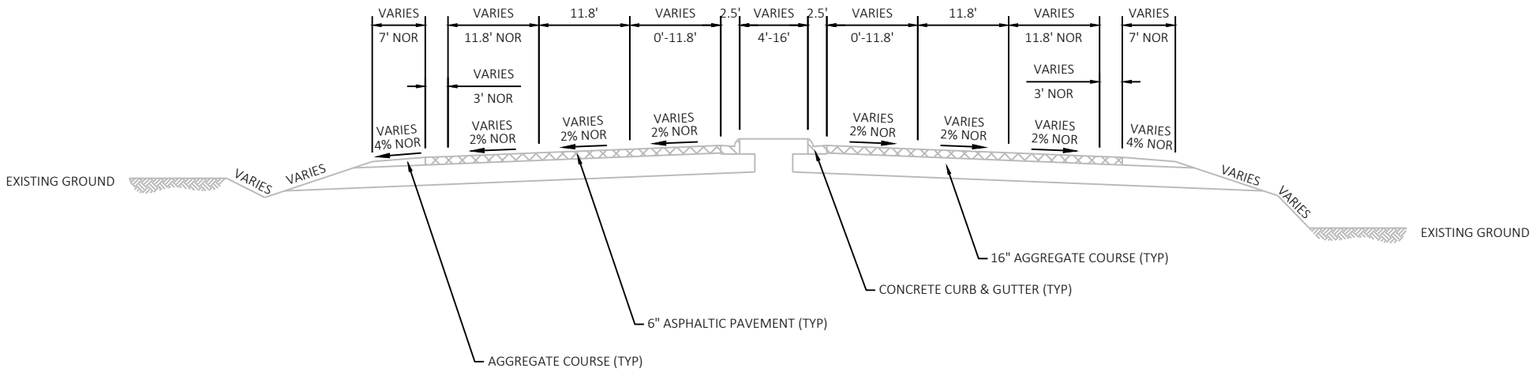


EXISTING TYPICAL SECTION USH 45

STA 43+70 TO STA 50+50

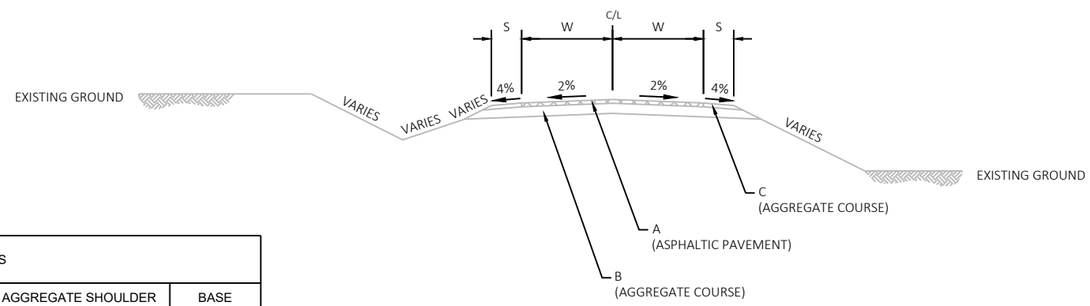
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EXISTING TYPICALS SECTIONS	SHEET 9	E

2



EXISTING TYPICAL SECTION USH 45

STA 32+25 TO STA 43+70



EXISTING TYPICAL SECTION

LOCAL ROADS - SEE TABLE

LOCAL ROADS					
ROAD	PAVEMENT (NOR)		AGGREGATE SHOULDER (NOR)		BASE (NOR)
	WIDTH (W)	THICKNESS (A)	WIDTH (S)	THICKNESS (C)	THICKNESS (B)
RIVER RD	11'	3"	1'	3"	8"
CROSS RD	12'	4"	3'	4"	8"
LEDGE HILL RD	11'	3"	3'	3"	8"
KELLY DR	11'	3"	2'	3"	8"

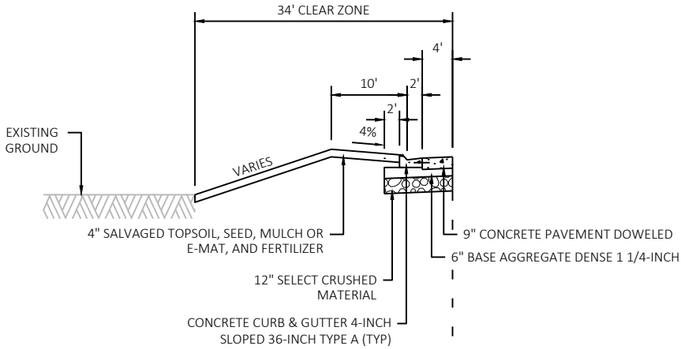
2

NOTES

"X" = POINT REFERENCED TO ON PROFILE (PROFILE GRADE LINE - PGL)

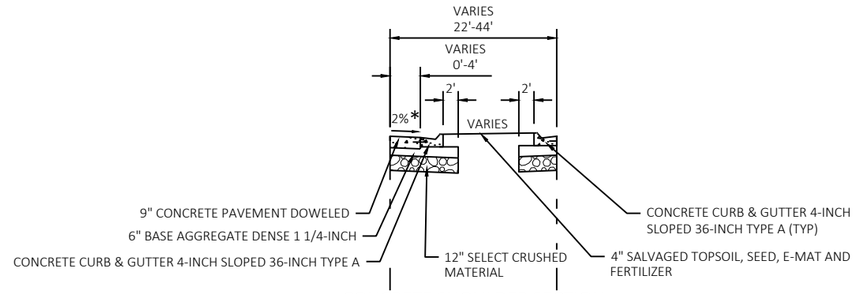
"Y" = SUBGRADE REFERRED TO ON CROSS SECTIONS

* = CROSS SLOPE VARIES DUE TO SUPERELEVATION (SEE CROSS SECTIONS AND SUPERELEVATION TABLE FOR FURTHER DETAILS)



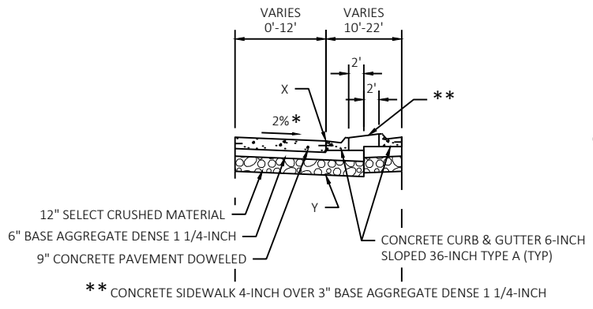
CURB & GUTTER SECTION

STA 100'EB'+49 TO STA 106'EB'+00



CONCRETE SHOULDER SECTION

STA 109'WB'+68.03 TO STA 114'WB'+25.48

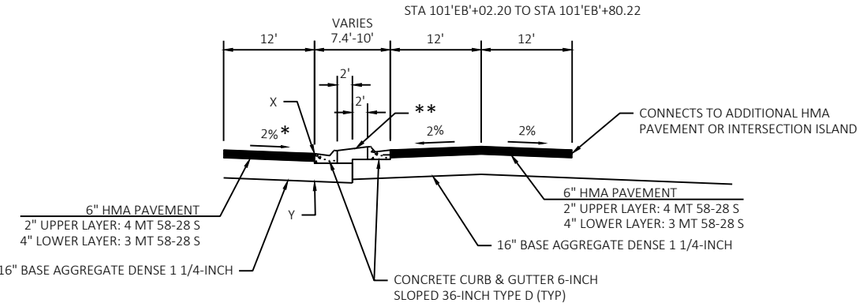


** CONCRETE SIDEWALK 4-INCH OVER 3" BASE AGGREGATE DENSE 1 1/4-INCH

TURN LANE SECTION

STA 101'WB'+84.65 TO STA 105'WB'+00

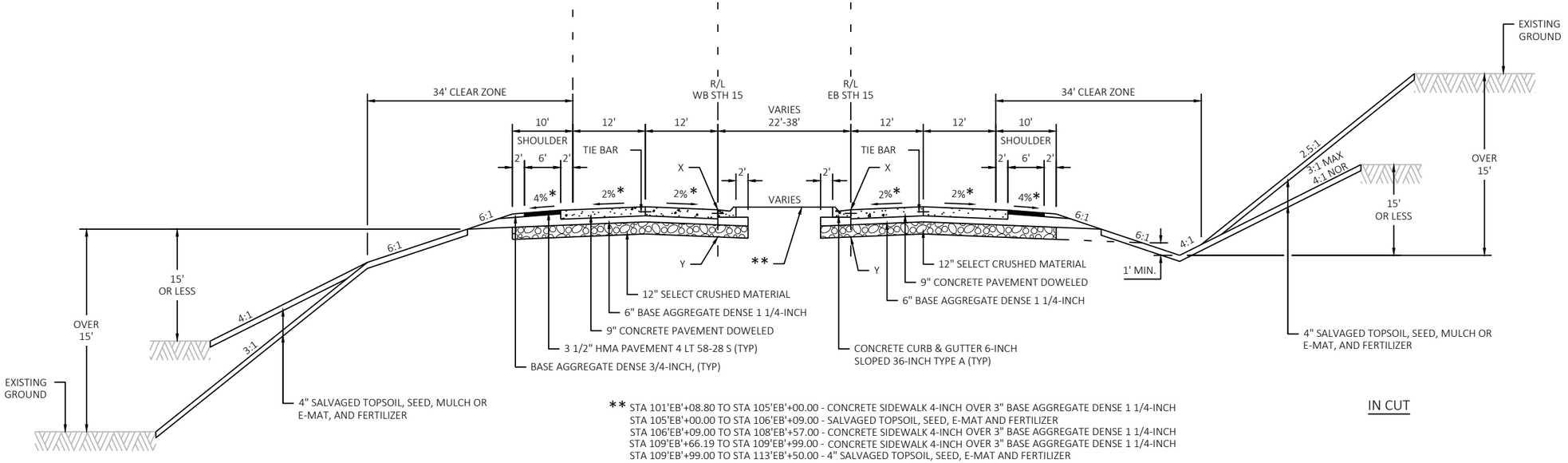
OR



** CONCRETE SIDEWALK 4-INCH OVER 3" BASE AGGREGATE DENSE 1 1/4-INCH

TURN LANE SECTION

STA 101'WB'+02.20 TO STA 101'WB'+84.65



** STA 101'EB'+08.80 TO STA 105'EB'+00.00 - CONCRETE SIDEWALK 4-INCH OVER 3" BASE AGGREGATE DENSE 1 1/4-INCH
STA 105'EB'+00.00 TO STA 106'EB'+09.00 - SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER
STA 106'EB'+09.00 TO STA 108'EB'+57.00 - CONCRETE SIDEWALK 4-INCH OVER 3" BASE AGGREGATE DENSE 1 1/4-INCH
STA 109'EB'+66.19 TO STA 109'EB'+99.00 - CONCRETE SIDEWALK 4-INCH OVER 3" BASE AGGREGATE DENSE 1 1/4-INCH
STA 109'EB'+99.00 TO STA 113'EB'+50.00 - 4" SALVAGED TOPSOIL, SEED, E-MAT AND FERTILIZER

IN FILL

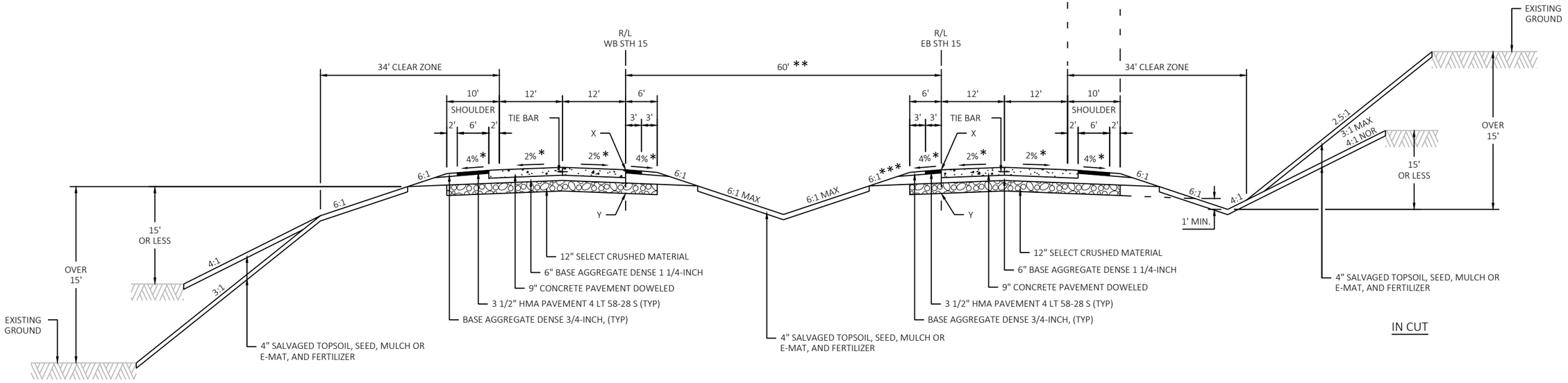
IN CUT

FINISHED TYPICAL SECTION STH 15

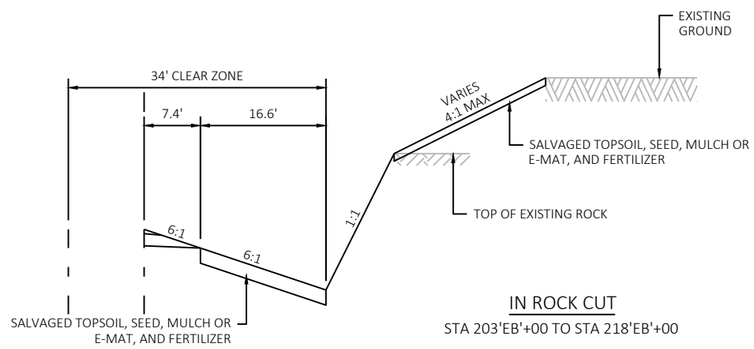
STA 101'EB'+80.22 TO STA 113'EB'+50

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	FINISHED TYPICALS SECTIONS	SHEET 11	E

2



IN FILL



IN ROCK CUT

STA 203'EB'+00 TO STA 218'EB'+00

IN CUT

NOTES

"X" = POINT REFERENCED TO ON PROFILE (PROFILE GRADE LINE - PGL)

"Y" = SUBGRADE REFERRED TO ON CROSS SECTIONS

* = CROSS SLOPE VARIES DUE TO SUPERELEVATION (SEE CROSS SECTIONS AND SUPERELEVATION TABLE FOR FURTHER DETAILS)

** = MEDIAN WIDTH VARIES FROM 22'-60' FROM STA 109'EB'+61 TO STA 118'EB'+70.

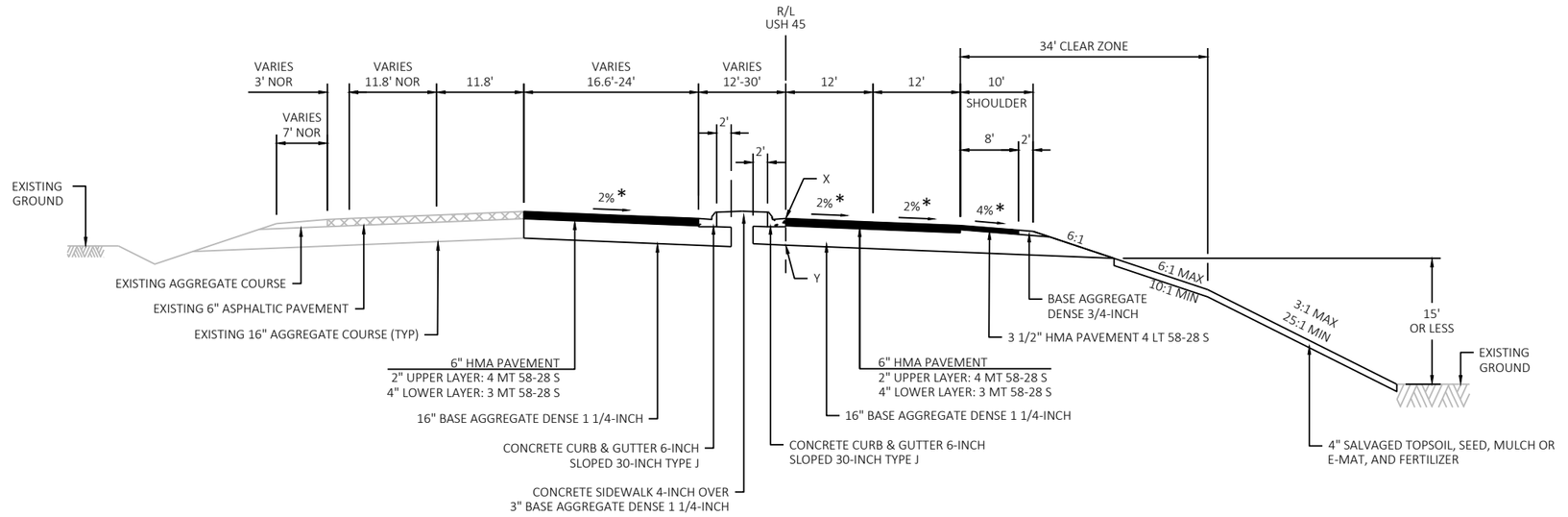
*** = SLOPE VARIES FROM STA 240'EB'+75 TO STA 249'EB'+63 AND STA 253'EB'+50 TO STA 256'EB'+00.

FINISHED TYPICAL SECTION STH 15

STA 113'EB'+50 TO STA 256'EB'+00

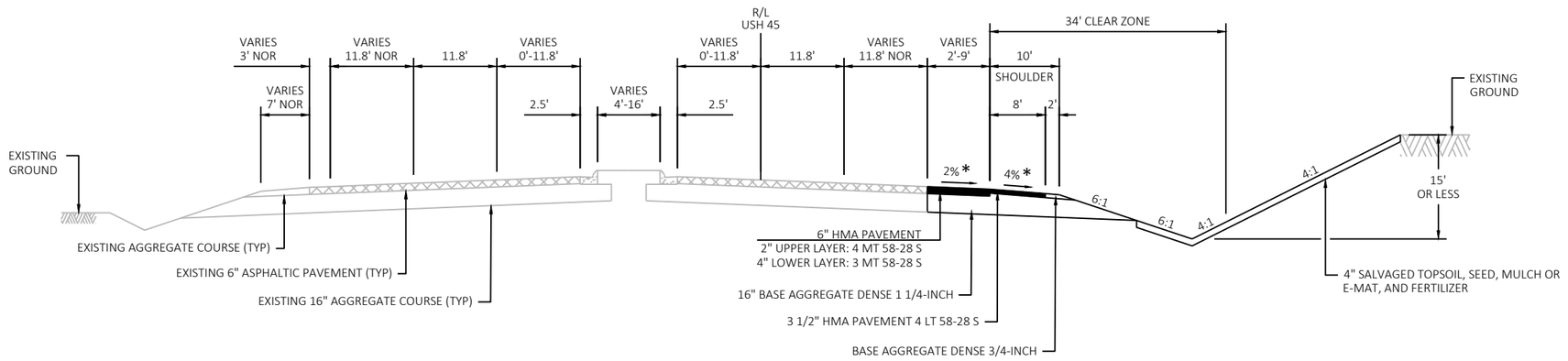
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	FINISHED TYPICALS SECTIONS	SHEET 12	E

2



FINISHED TYPICAL SECTION USH 45

STA 40'USH'+66 - STA 42'USH'+66



FINISHED TYPICAL SECTION USH 45

STA 33'USH'+66 - STA 40'USH'+66

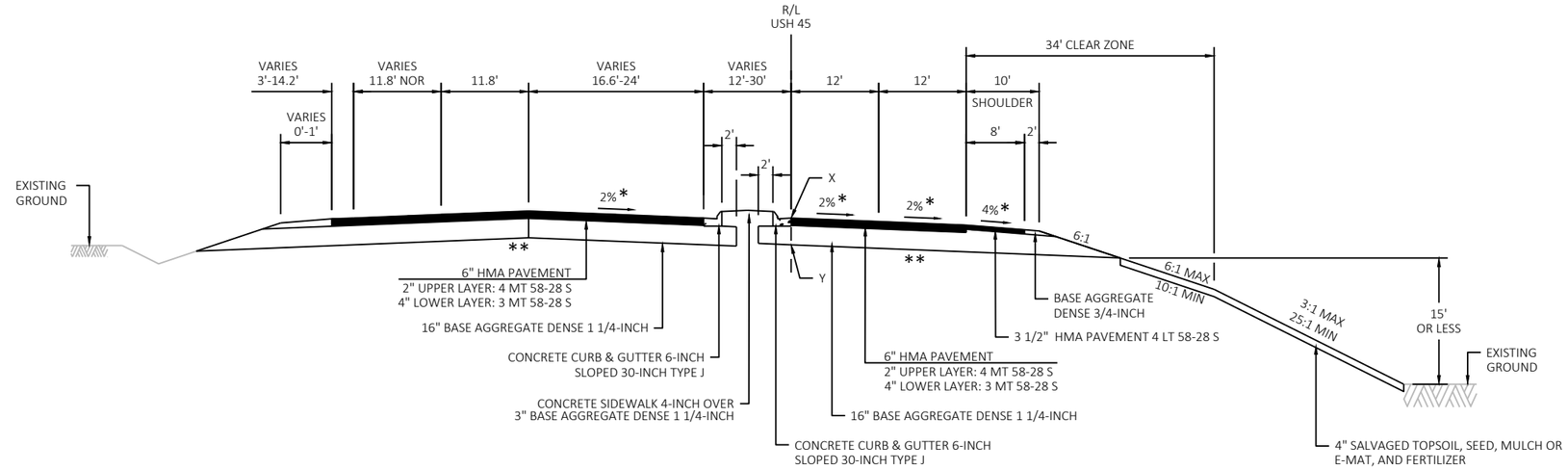
NOTES

"X" = POINT REFERENCED TO ON PROFILE (PROFILE GRADE LINE - PGL)

"Y" = SUBGRADE REFERRED TO ON CROSS SECTIONS

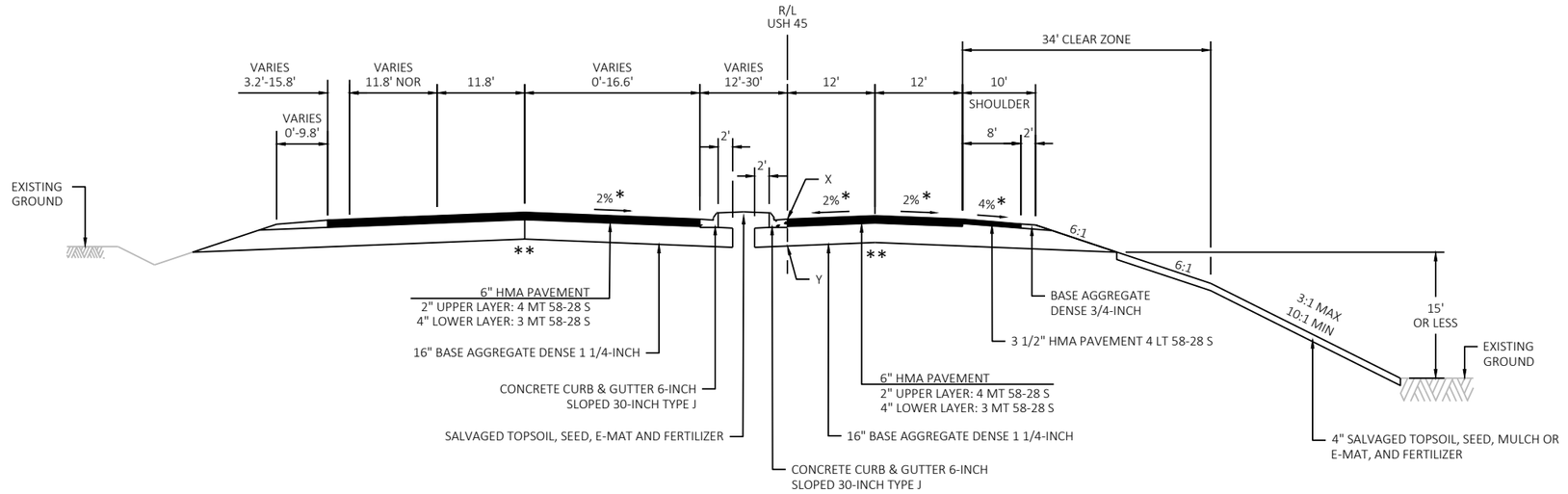
* = CROSS SLOPE VARIES DUE TO SUPERELEVATION (SEE CROSS SECTIONS AND SUPERELEVATION TABLE FOR FURTHER DETAILS)

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	FINISHED TYPICALS SECTIONS	SHEET 13	E



FINISHED TYPICAL SECTION USH 45

STA 42'USH'+66 - STA 43'USH'+91



FINISHED TYPICAL SECTION USH 45

STA 43'USH'+91 - STA 44'USH'+85

NOTES

"X" = POINT REFERENCED TO ON PROFILE (PROFILE GRADE LINE - PGL)

"Y" = SUBGRADE REFERRED TO ON CROSS SECTIONS

* = CROSS SLOPE VARIES DUE TO SUPERELEVATION (SEE CROSS SECTIONS AND SUPERELEVATION TABLE FOR FURTHER DETAILS)

** = STA 43'USH'+41 - STA 44'USH'+03 - SUBGRADE IMPROVEMENT AREA - SEE RAILROAD CROSSING - SUBGRADE IMPROVEMENT DETAILS.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	FINISHED TYPICALS SECTIONS	SHEET 14	E

2

NOTES

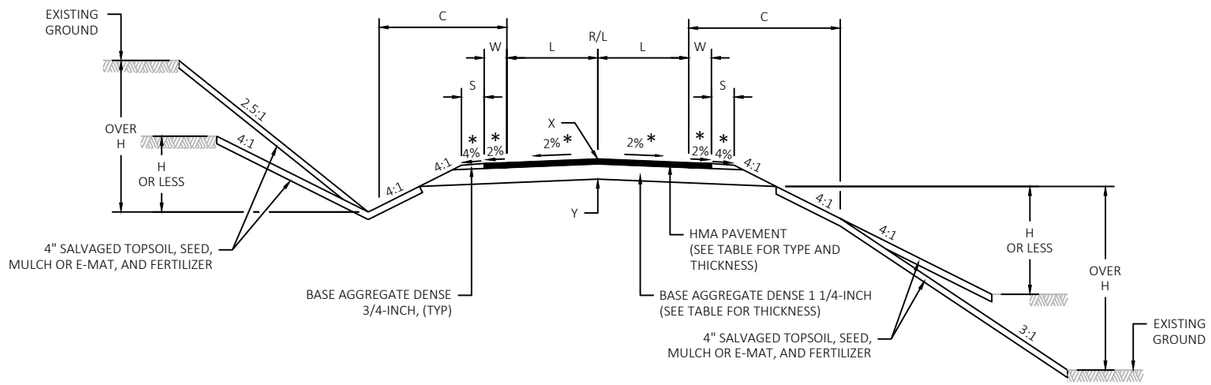
"X" = POINT REFERENCED TO ON PROFILE (PROFILE GRADE LINE - PGL)

"Y" = SUBGRADE REFERRED TO ON CROSS SECTIONS

* = CROSS SLOPE VARIES DUE TO SUPERELEVATION (SEE CROSS SECTIONS AND SUPERELEVATION TABLE FOR FURTHER DETAILS)

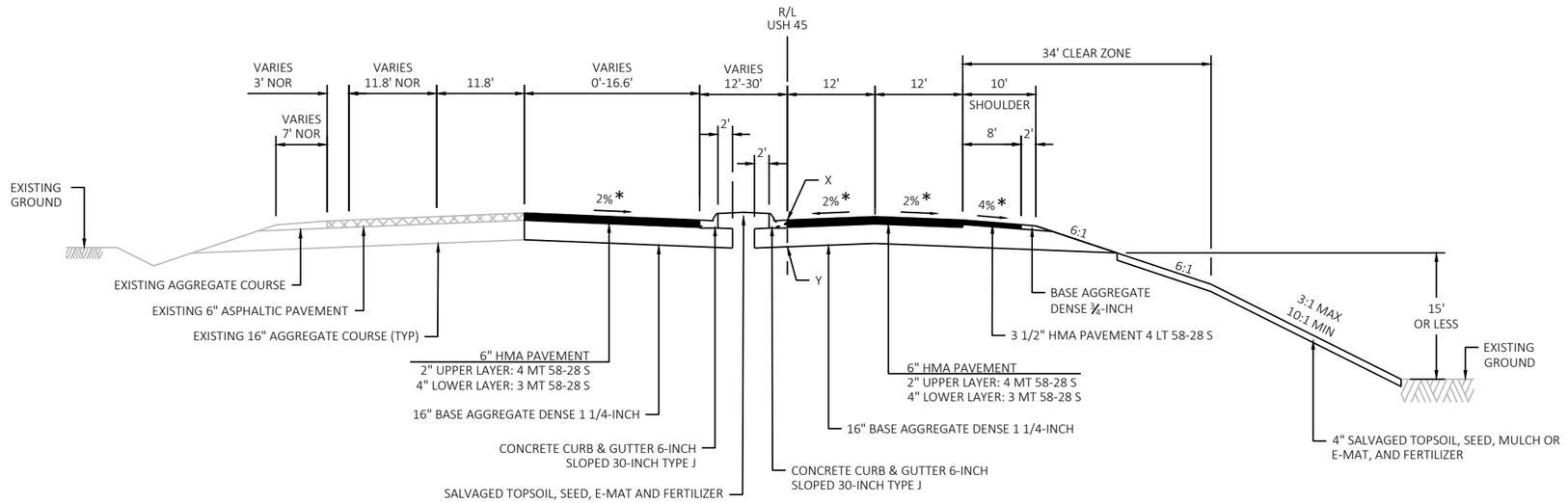
** = 1 3/4" OF 4 LT 58-28 S UPPER LAYER AND 2 1/4" OF 3 LT 58-28 S LOWER LAYER

LOCAL ROADS								
ROAD	PAVEMENT		AGGREGATE SHOULDER	CLEAR ZONE	SIDE SLOPE	PAVEMENT STRUCTURE		
	LANE WIDTH (L)	SHOULDER WIDTH (W)	WIDTH (S)	WIDTH (C)	HEIGHT (H)	HMA TYPE	HMA THICKNESS	B.A.D. 1¼-INCH THICKNESS
RIVER RD	10'	1'	2'	10'	10'	4 LT 58-28 S 3 LT 58-28 S	4.0"**	12.0"
CROSS RD	12'	0'	6'	14'	10'	4 LT 58-28 S 3 LT 58-28 S	4.0"**	12.0"
LEDGE HILL RD	11'	0'	4'	18'	10'	4 LT 58-28 S 3 LT 58-28 S	4.0"**	12.0"
KELLY DR	10'	1'	2'	10'	10'	4 LT 58-28 S 3 LT 58-28 S	4.0"**	12.0"



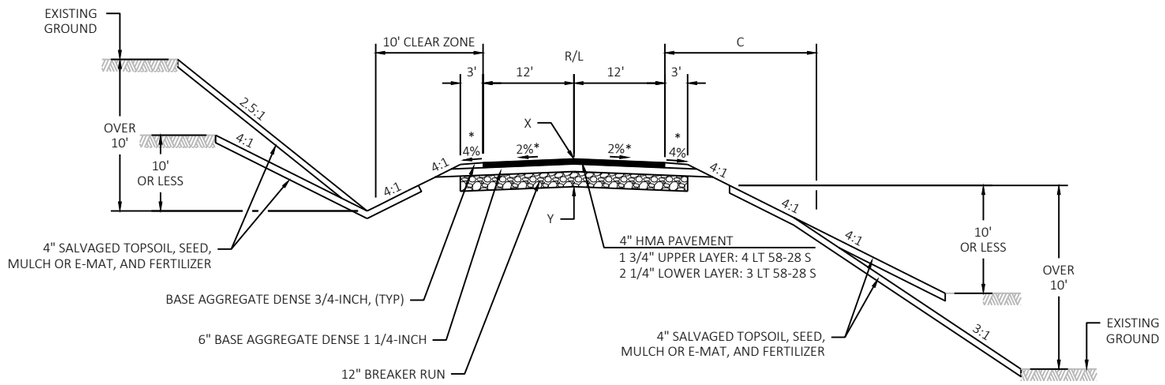
FINISHED TYPICAL SECTION

LOCAL ROADS - SEE TABLE



FINISHED TYPICAL SECTION USH 45

STA 44'USH'+85 - STA 50'USH'+51



IN CUT

IN FILL

NOTES

"X" = POINT REFERENCED TO ON PROFILE (PROFILE GRADE LINE - PGL)
"Y" = SUBGRADE REFERRED TO ON CROSS SECTIONS
* = CROSS SLOPE VARIES DUE TO SUPERELEVATION (SEE CROSS SECTIONS AND SUPERELEVATION TABLE FOR FURTHER DETAILS)

FINISHED TYPICAL SECTION

WOLF RIVER RUN

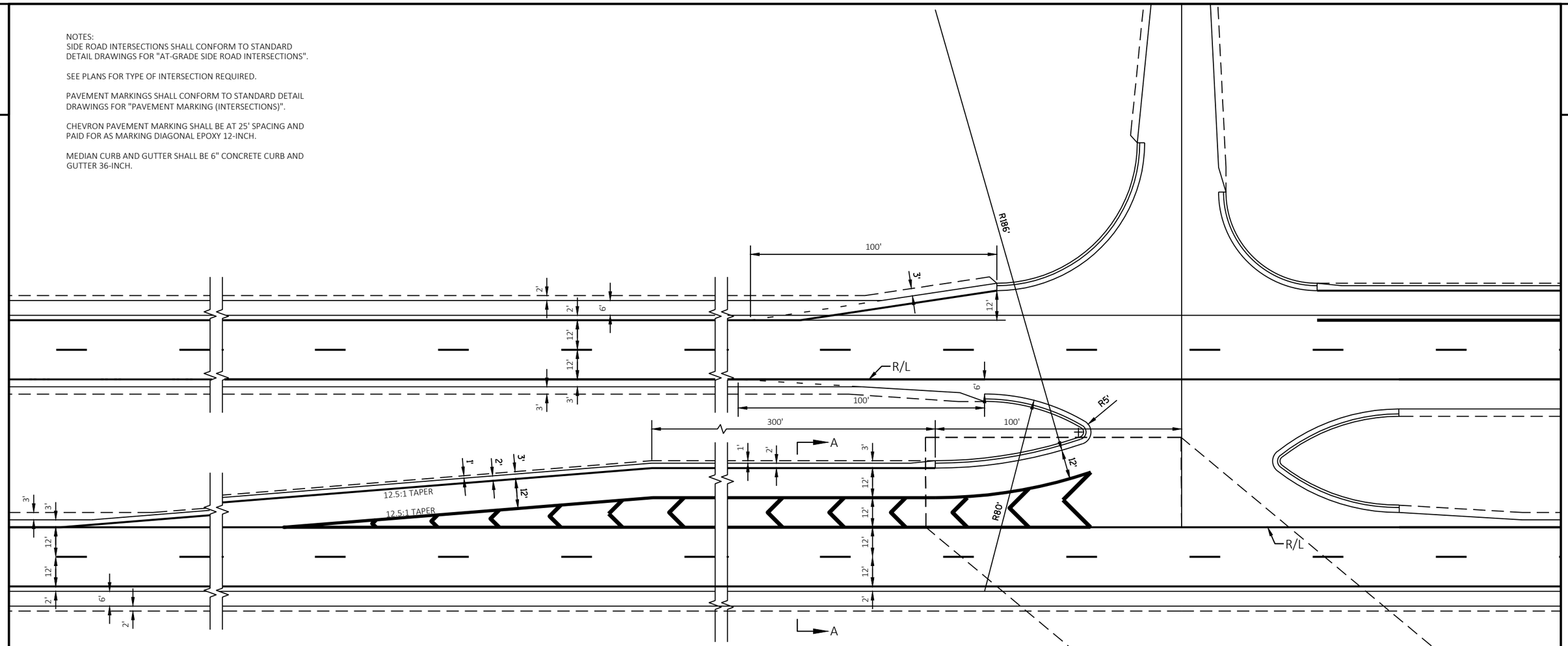
NOTES:
SIDE ROAD INTERSECTIONS SHALL CONFORM TO STANDARD DETAIL DRAWINGS FOR "AT-GRADE SIDE ROAD INTERSECTIONS".

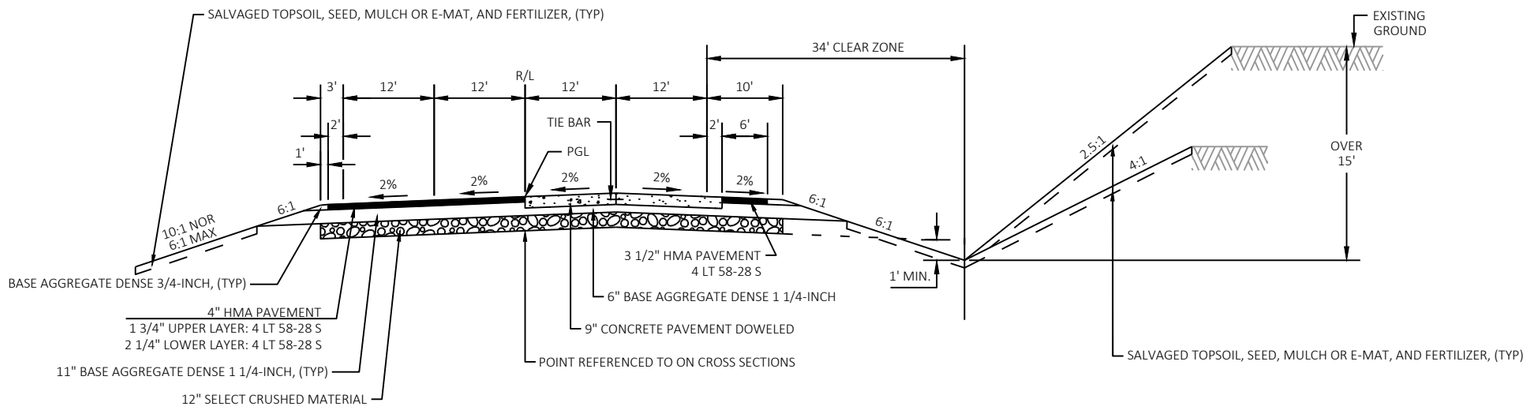
SEE PLANS FOR TYPE OF INTERSECTION REQUIRED.

PAVEMENT MARKINGS SHALL CONFORM TO STANDARD DETAIL DRAWINGS FOR "PAVEMENT MARKING (INTERSECTIONS)".

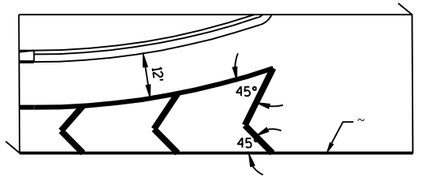
CHEVRON PAVEMENT MARKING SHALL BE AT 25' SPACING AND PAID FOR AS MARKING DIAGONAL EPOXY 12-INCH.

MEDIAN CURB AND GUTTER SHALL BE 6" CONCRETE CURB AND GUTTER 36-INCH.





SECTION A-A



PAVEMENT MARKING FOR "T" INTERSECTIONS

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CONSTRUCTION DETAILS - INTERSECTION TURN LANES	SHEET 17	E

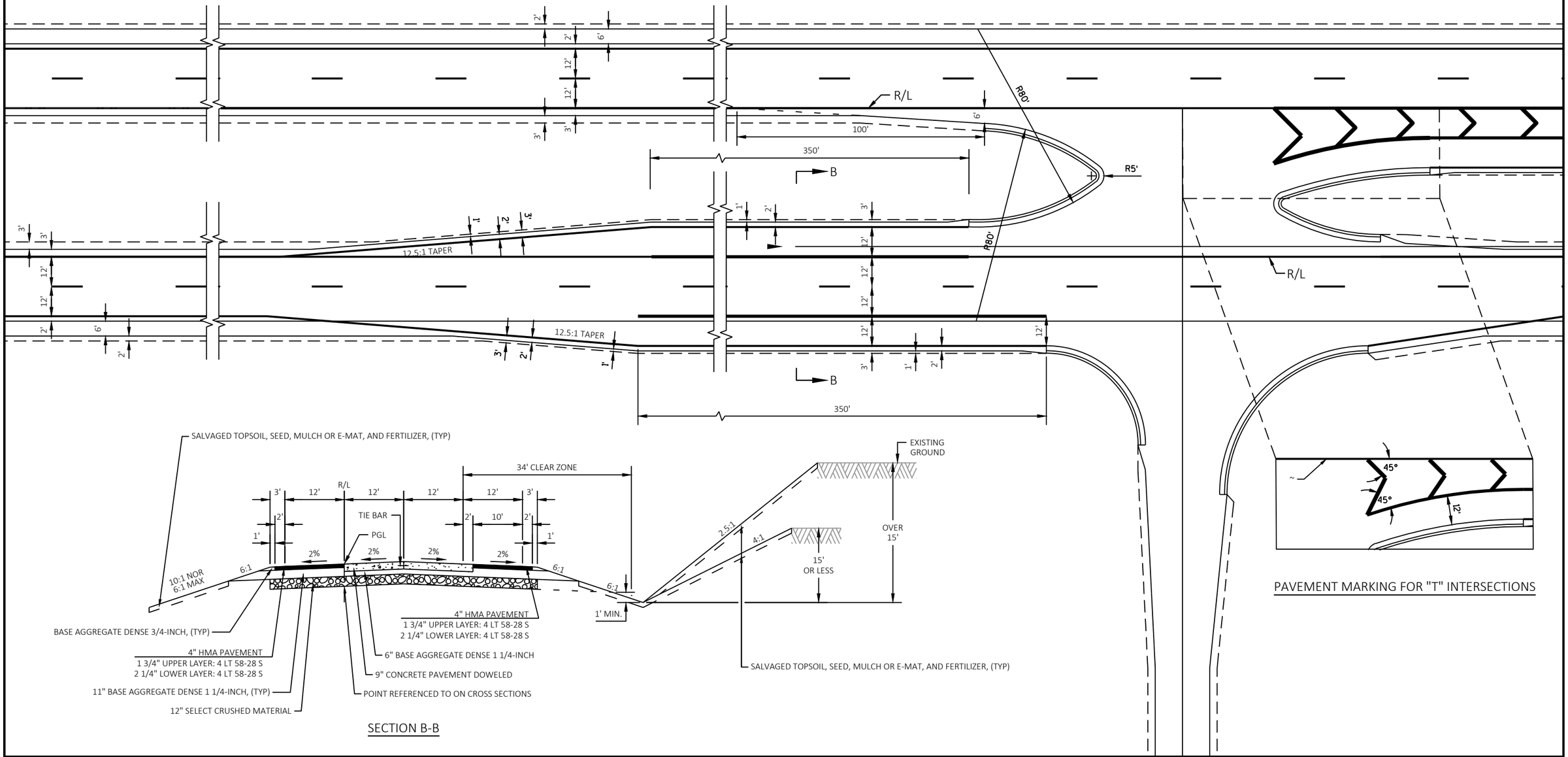
NOTES:
SIDE ROAD INTERSECTIONS SHALL CONFORM TO STANDARD DETAIL DRAWINGS FOR "AT-GRADE SIDE ROAD INTERSECTIONS".

SEE PLANS FOR TYPE OF INTERSECTION REQUIRED.

PAVEMENT MARKINGS SHALL CONFORM TO STANDARD DETAIL DRAWINGS FOR "PAVEMENT MARKING (INTERSECTIONS)".

CHEVRON PAVEMENT MARKING SHALL BE AT 25' SPACING AND PAID FOR AS MARKING DIAGONAL EPOXY 12-INCH.

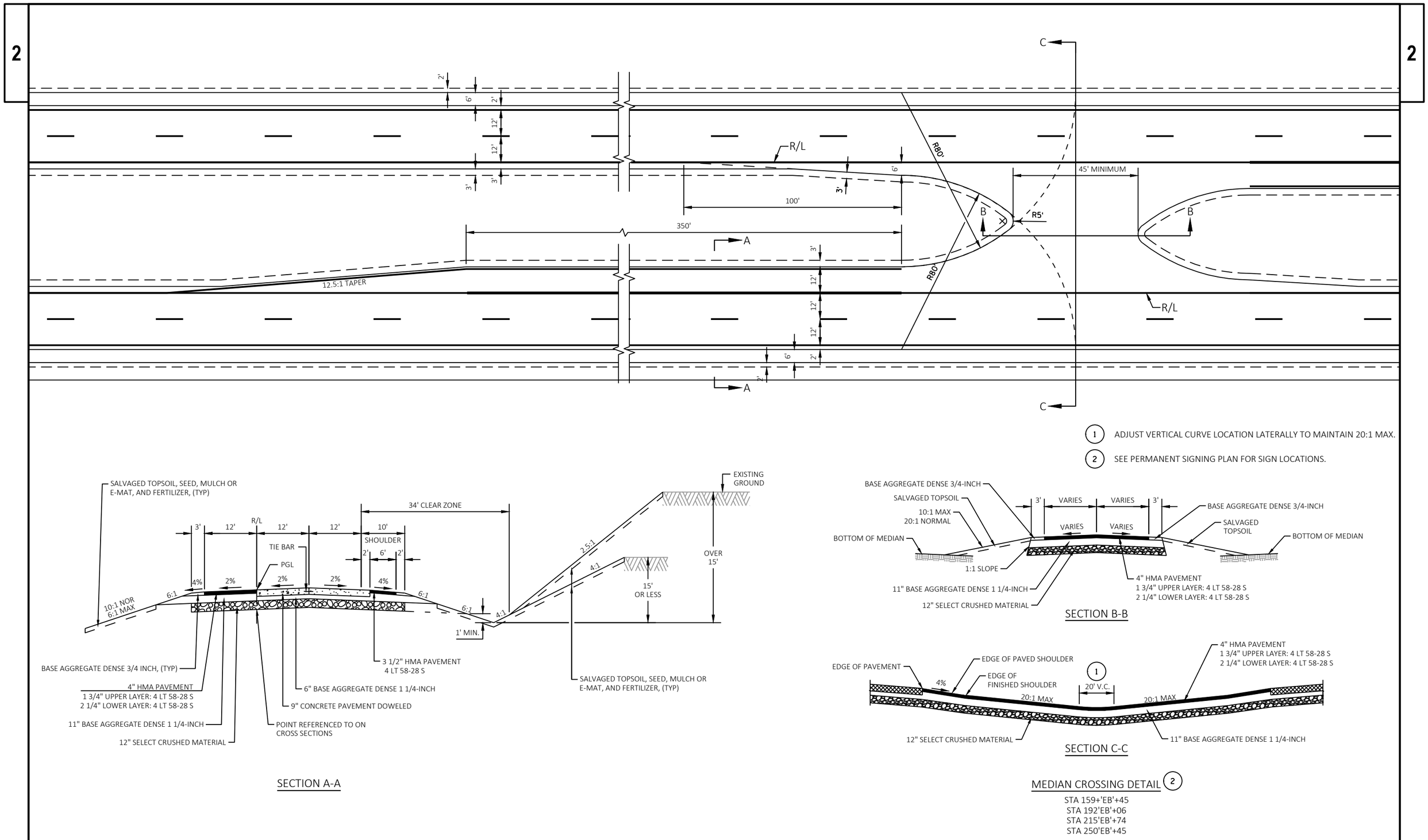
MEDIAN CURB AND GUTTER SHALL BE CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D



SECTION B-B

PAVEMENT MARKING FOR "T" INTERSECTIONS

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CONSTRUCTION DETAILS - INTERSECTION TURN LANES	SHEET 18	E



SECTION A-A

SECTION B-B

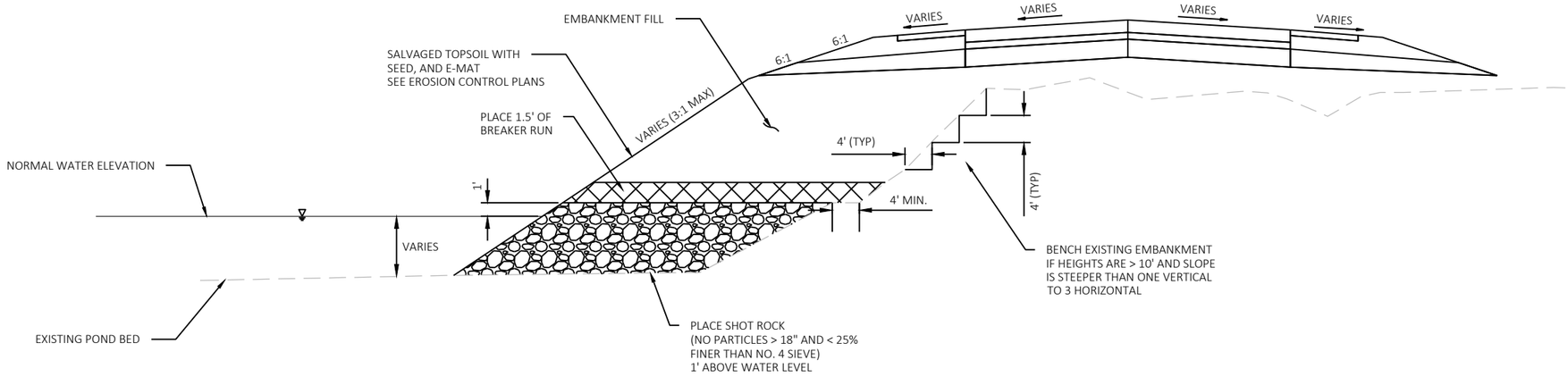
SECTION C-C

MEDIAN CROSSING DETAIL (2)

STA 159+'EB'+45
STA 192'EB'+06
STA 215'EB'+74
STA 250'EB'+45

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CONSTRUCTION DETAILS - MEDIAN CROSSOVERS	SHEET 19	E

2



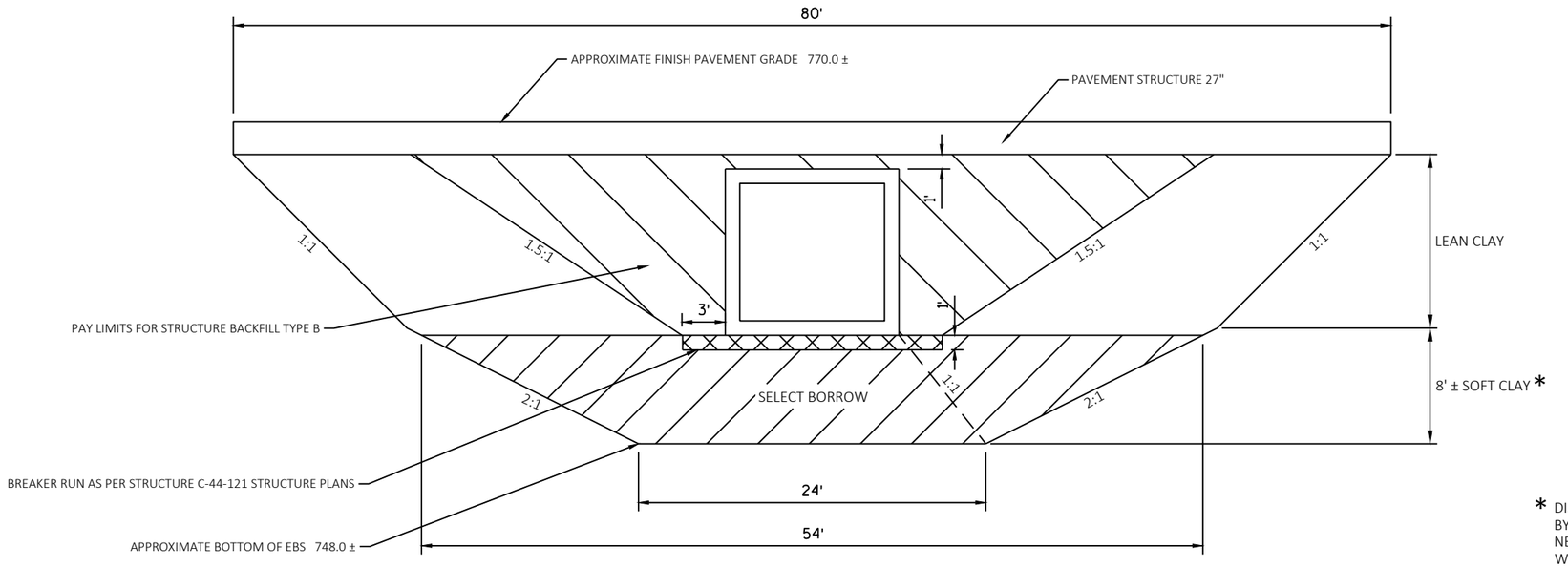
NOTE:

1) POND DEPTHS WERE ESTIMATED TO BE 5 FEET DEEP.

2) THE AREA OF BREAKER RUN AND SHOT ROCK USED TO BACKFILL THE POND AS SHOWN IS NOT INCLUDED IN THE ROADWAY EMBANKMENT QUANTITY AND WILL NOT BE PAID AS ROADWAY EMBANKMENT.

POND FILL DETAIL

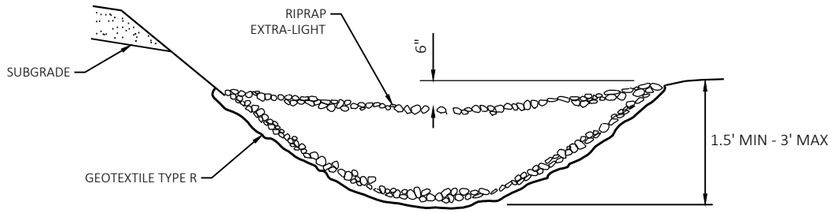
STA. 177'WB'+80 (LT)



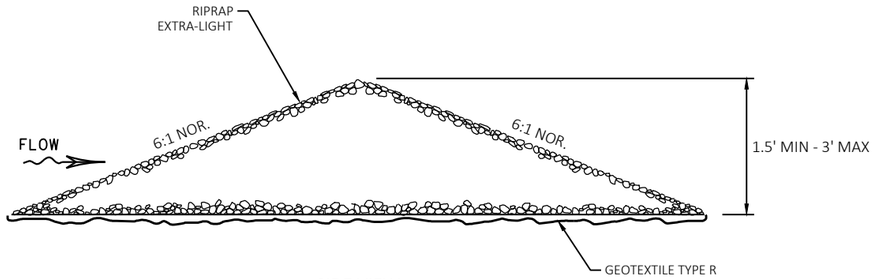
SOFT CLAY REMOVAL DETAIL

STA. 141'WB'+75

* DISTANCE/DEPTH TO BE DETERMINED BY THE ENGINEER IN THE FIELD. NOTIFY NE REGION SOILS ENGINEER WHEN WORK STARTS.

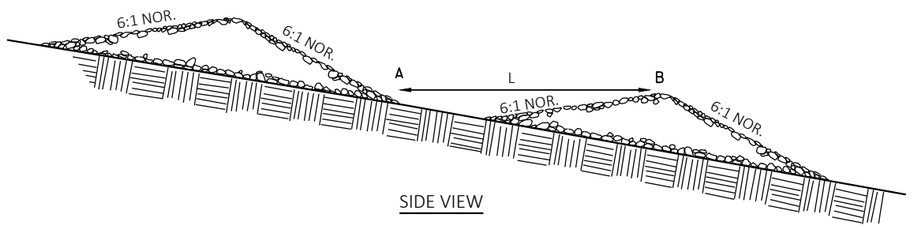


CROSS SECTIONAL VIEW



SIDE VIEW

L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.

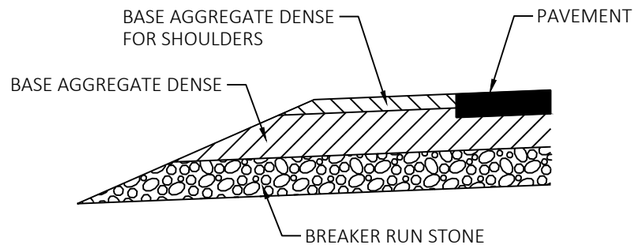


SIDE VIEW

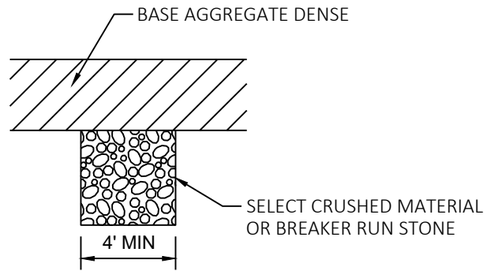
STONE DITCH CHECK

APPROXIMATE LOCATIONS ARE ILLUSTRATED ON EROSION CONTROL (PERMANENT) SHEETS AND STATION RANGES ARE ILLUSTRATED ON MISCELLANEOUS QUANTITY SHEETS IN PERMANENT EROSION CONTROL SECTION.

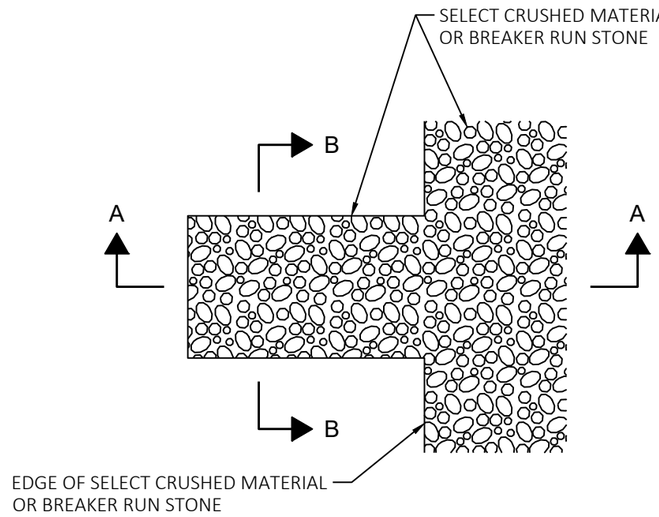
GEOTEXTILE TYPE R PAID FOR AS SEPARATE ITEM.



SECTION A-A



SECTION B-B



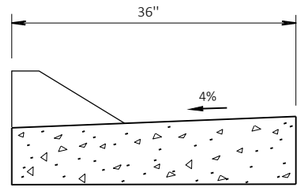
DETAIL FOR FRENCH DRAINS

DRAINS ARE TO BE CONSTRUCTED AT LEAST EVERY 250'
AND AT EACH SAG VERTICAL CURVE IN THE PROFILE.

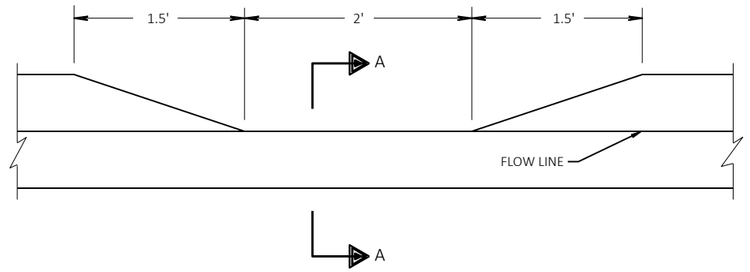
LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

EXCAVATION REQUIRED TO CONSTRUCT FRENCH DRAINS SHALL BE CONSIDERED INCIDENTAL TO THE ITEM BREAKER RUN STONE.

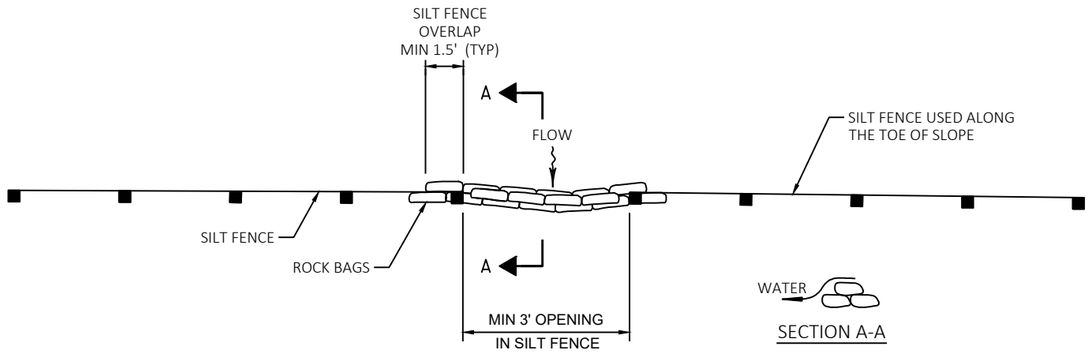
2



SECTION A-A



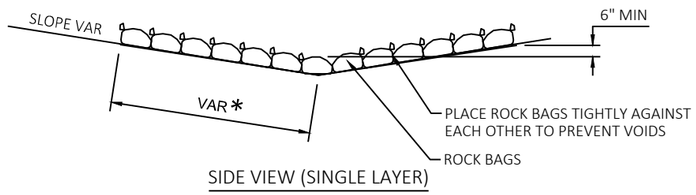
DETAIL OF CURB HEAD DEPRESSION FOR
DRAINAGE AT CURB & GUTTER SECTION



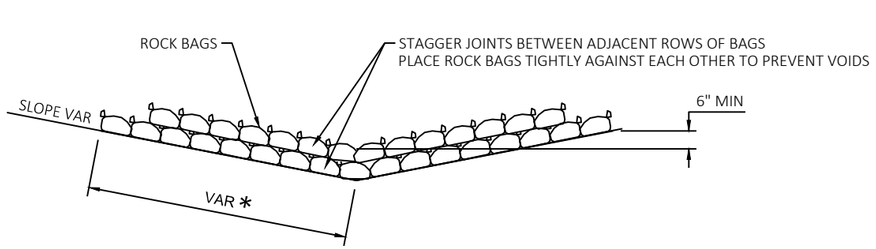
SECTION A-A

TOP VIEW

ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL



SIDE VIEW (SINGLE LAYER)



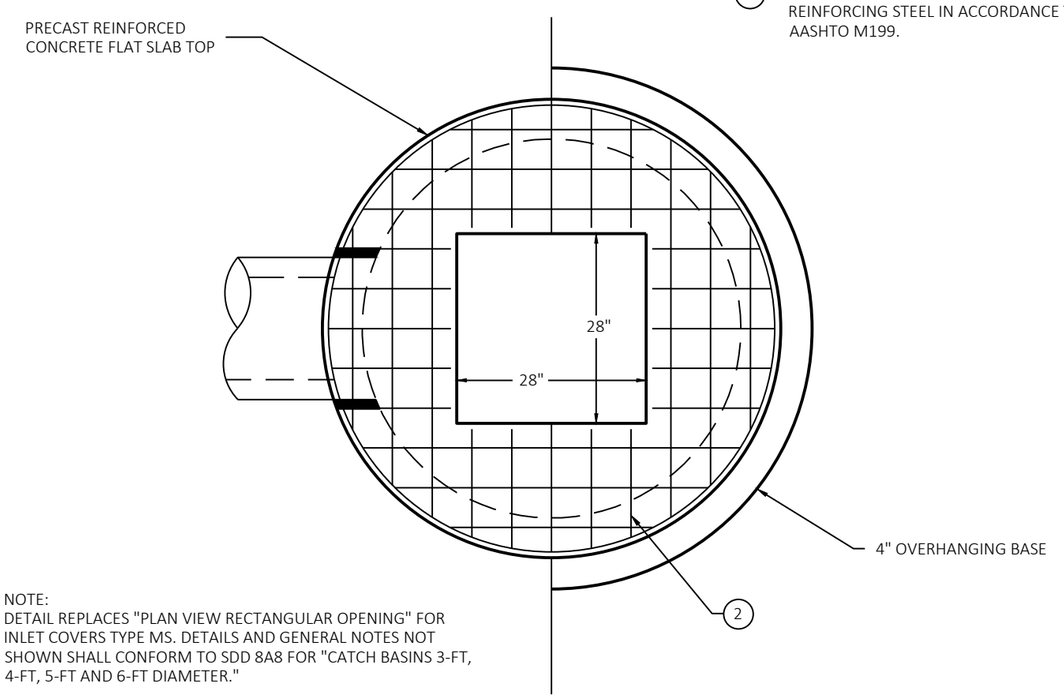
* LENGTH AND NUMBER OF BAGS MAY VARY DEPENDING ON DESIRED DEPTH OF WATER POOL

SIDE VIEW (MULTIPLE LAYER)

ROCK BAGS DITCH CHECK

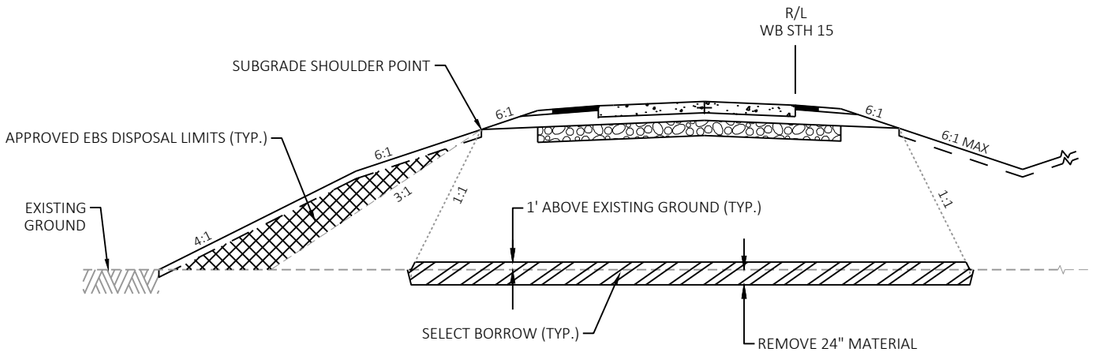
PAID AS ROCK BAGS

(2) FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

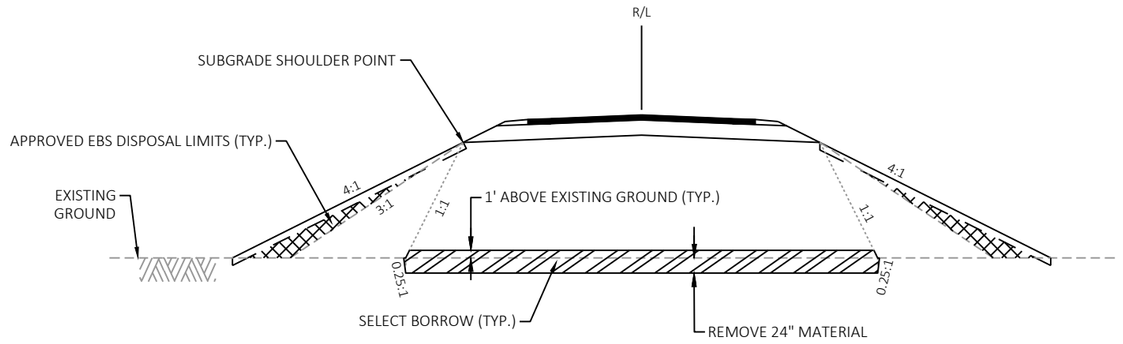


NOTE:
DETAIL REPLACES "PLAN VIEW RECTANGULAR OPENING" FOR INLET COVERS TYPE MS. DETAILS AND GENERAL NOTES NOT SHOWN SHALL CONFORM TO SDD 8A8 FOR "CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER."

PLAN VIEW RECTANGULAR OPENING FOR INLET COVERS TYPE MS



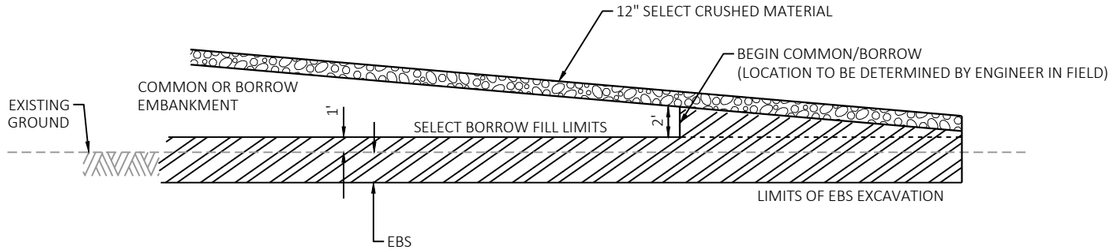
STH 15
STA 163'WB'+00 TO STA 166'WB'+00
STA 174'WB'+00 TO STA 186'WB'+00



RIVER ROAD
STA 24'RVR'+00 TO 26'RVR'+00

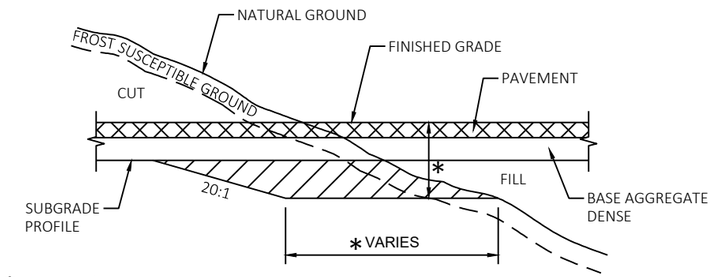
NOTES:
1. LIMITS OF EBS SHALL EXTEND FROM SUBGRADE SHOULDER POINT TO 1:1 SLOPE INTERCEPT OR AS DIRECTED BY THE ENGINEER.
2. EBS DISPOSAL SHALL NOT BE PLACED WITHIN LIMITS EXTENDING FROM SUBGRADE SHOULDER POINT TO 3:1 SLOPE INTERCEPT.
3. EBS LOCATIONS NOT SHOWN IN THE CROSS SECTION. SEE PLAN AND PROFILE SHEETS FOR LOCATIONS.
4. THE AREA OF SELECT BORROW USED TO BACKFILL THE EBS AS SHOWN ABOVE IS NOT INCLUDED IN THE ROADWAY EMBANKMENT QUANTITY AND WILL NOT BE PAID AS ROADWAY EMBANKMENT.

EXCAVATION BELOW SUBGRADE (EBS) DETAIL



EXCAVATION BELOW SUBGRADE (EBS) PROFILE VIEW

STH 15
STA 163'WB'+00 TO STA 166'WB'+00
STA 174'WB'+00 TO STA 186'WB'+00



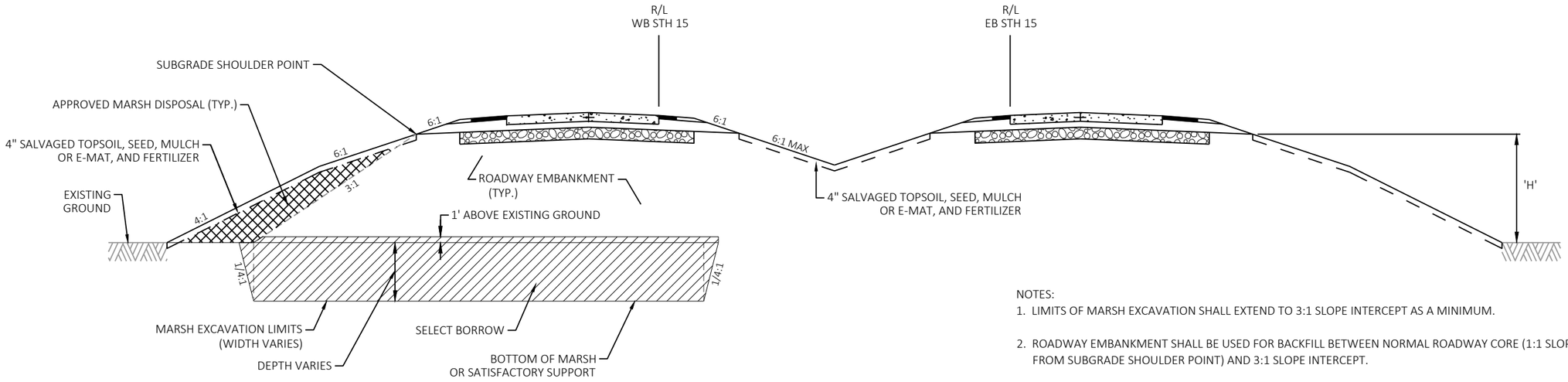
* DISTANCE/DEPTH TO BE DETERMINED BY ENGINEER IN THE FIELD

PROFILE VIEW

EXCAVATION BELOW SUBGRADE (EBS)

EXACT LOCATION OF EXCAVATION BELOW SUBGRADE (EBS) SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. EBS AREA TO BE BACKFILLED WITH SELECT BORROW.

STH 15
STA 114'WB'+00 - STA 115'WB'+00
STA 128'WB'+00 - STA 129'WB'+00
STA 137'WB'+00 - STA 138'WB'+00
STA 154'WB'+00 - STA 156'WB'+00
STA 159'WB'+00 - STA 160'WB'+00
STA 173'WB'+00 - STA 174'WB'+00



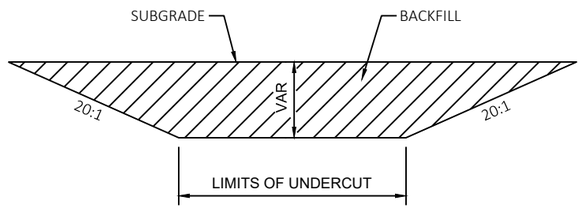
MARSH EXCAVATION DETAIL

STH 15

STA 117'WB'+20 TO 120'WB'+00
STA 141'WB'+00 TO 144'WB'+00

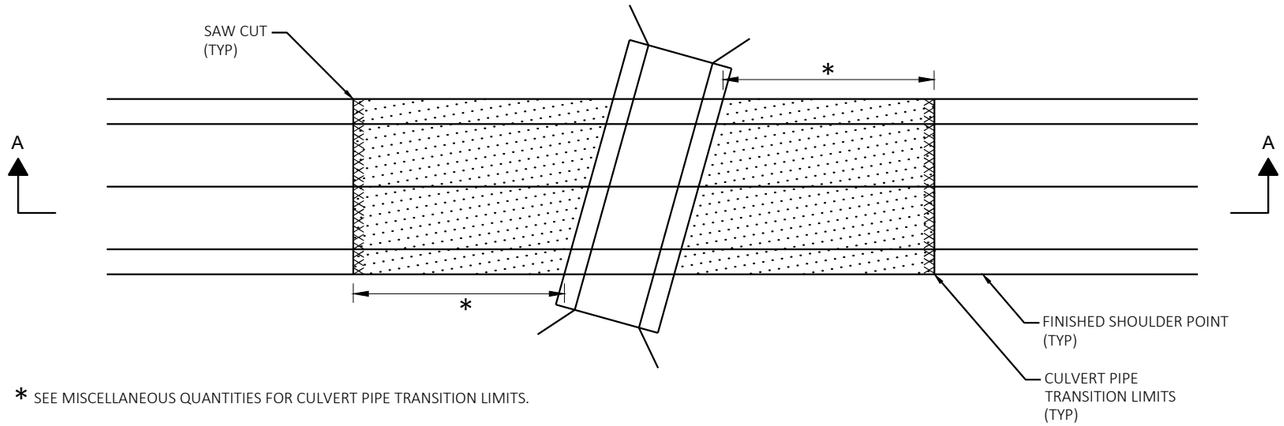
NOTES:

1. LIMITS OF MARSH EXCAVATION SHALL EXTEND TO 3:1 SLOPE INTERCEPT AS A MINIMUM.
2. ROADWAY EMBANKMENT SHALL BE USED FOR BACKFILL BETWEEN NORMAL ROADWAY CORE (1:1 SLOPE INTERCEPT FROM SUBGRADE SHOULDER POINT) AND 3:1 SLOPE INTERCEPT.
3. MARSH DISPOSAL IS ALLOWED OUTSIDE OF 3:1 SLOPES PROJECT-WIDE WHERE FILL HEIGHT 'H' DOES NOT EXCEED 10'.
4. THE AREA OF SELECT BORROW USED TO BACKFILL THE MARSH EXCAVATION AS SHOWN ABOVE IS NOT INCLUDED IN THE ROADWAY EMBANKMENT QUANTITY AND WILL NOT BE PAID AS ROADWAY EMBANKMENT.

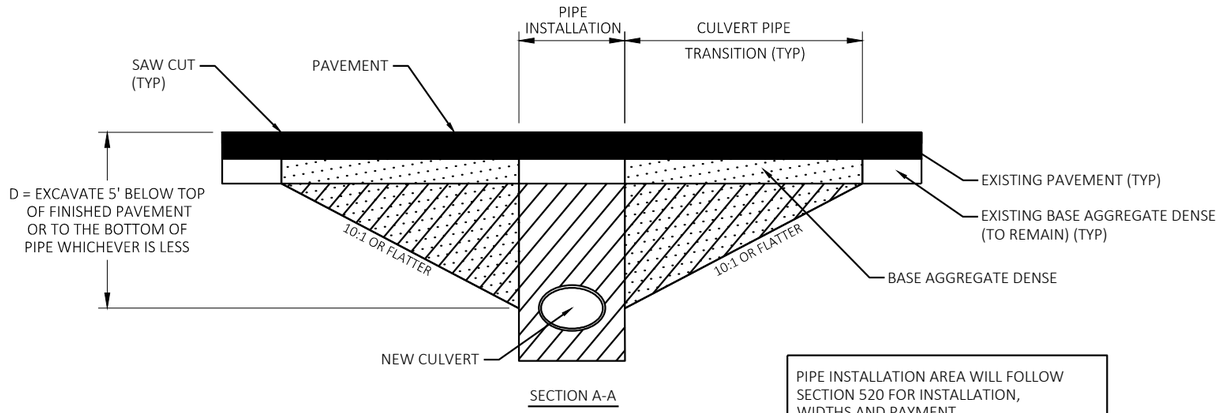


LONGITUDINAL SECTION FOR UNDERCUT AREAS (EBS) AND MARSH EXCAVATION

2



* SEE MISCELLANEOUS QUANTITIES FOR CULVERT PIPE TRANSITION LIMITS.



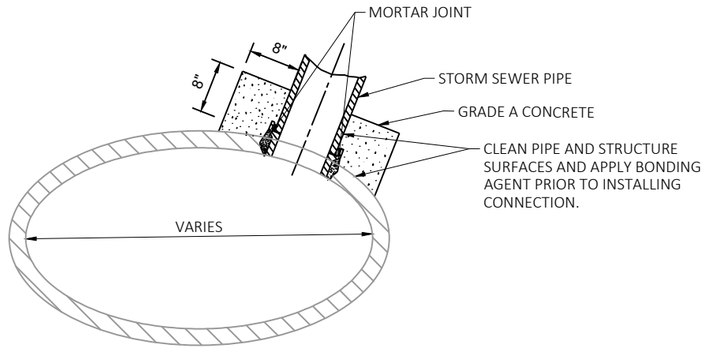
PIPE INSTALLATION AREA WILL FOLLOW SECTION 520 FOR INSTALLATION, WIDTHS AND PAYMENT.

CONSTRUCT TRANSITION PERPENDICULAR TO CULVERT PIPE.

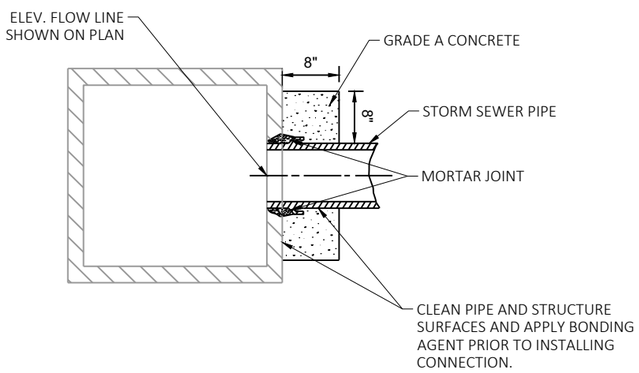
CULVERT PIPE TRANSITION AREAS WILL BE PAID BY COMMON EXCAVATION & SPV FOUNDATION BACKFILL.

PAVEMENT SAW CUT TO BE PERPENDICULAR TO ROADWAY ALIGNMENT.

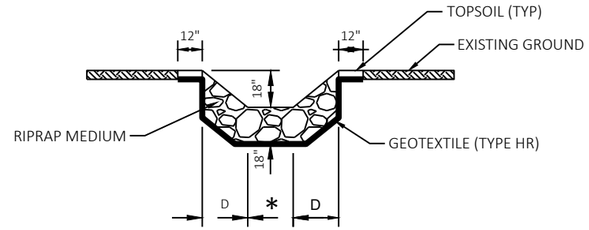
NEW CULVERT PIPES WITH TRANSITION



CONNECTING STORM SEWER PIPE TO EXISTING CULVERT



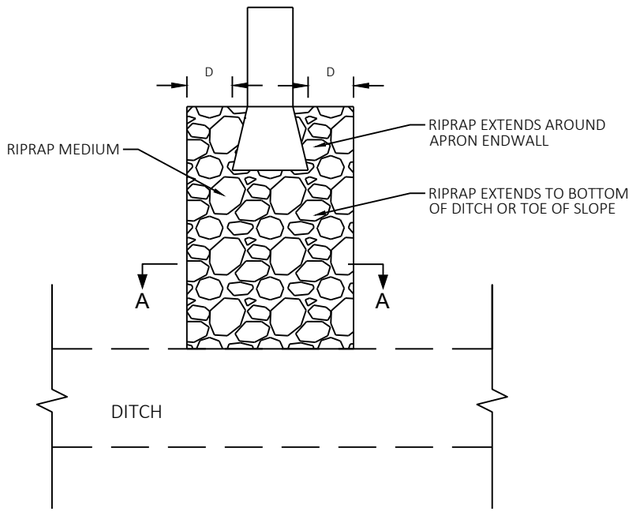
CONNECT STORM SEWER PIPE TO EXISTING INLET



SECTION A-A

* APRON ENDWALL WIDTH

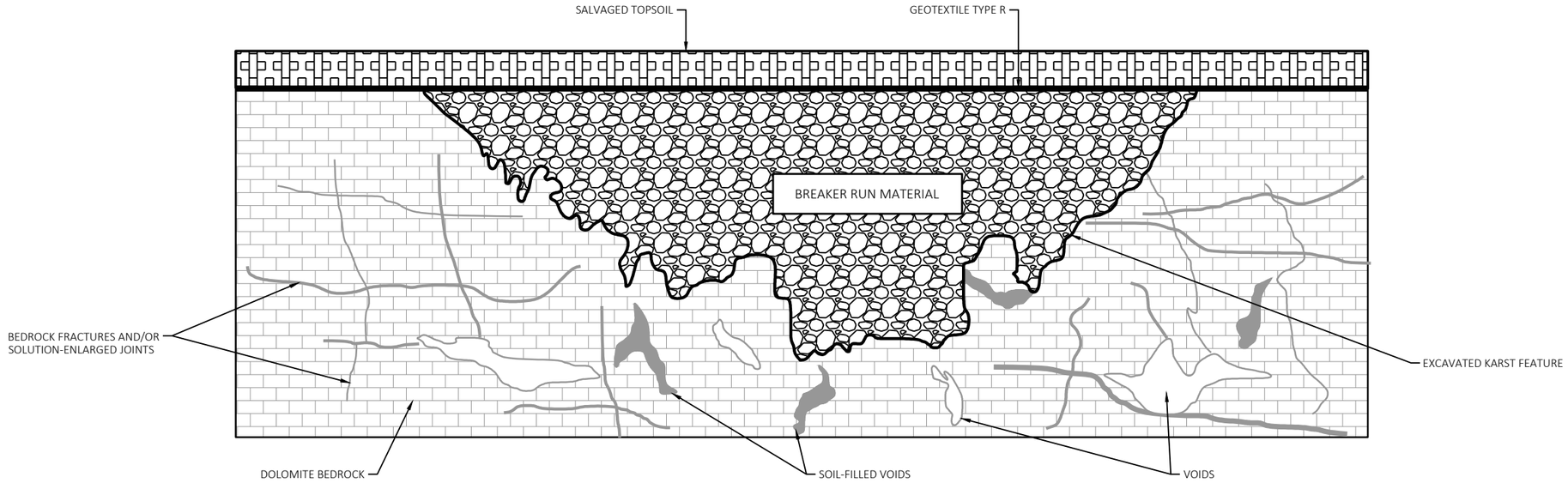
D = PIPE DIAMETER



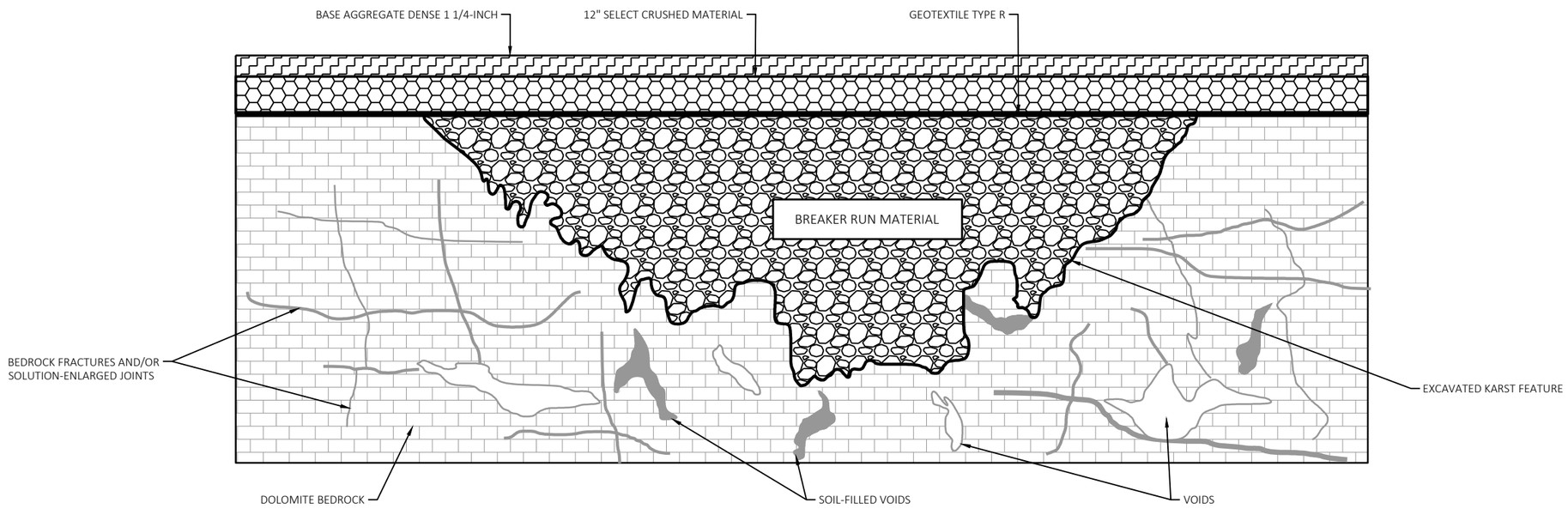
PLAN VIEW

RIPRAP TREATMENT AT STORM SEWER OR CULVERT OUTFALLS

2



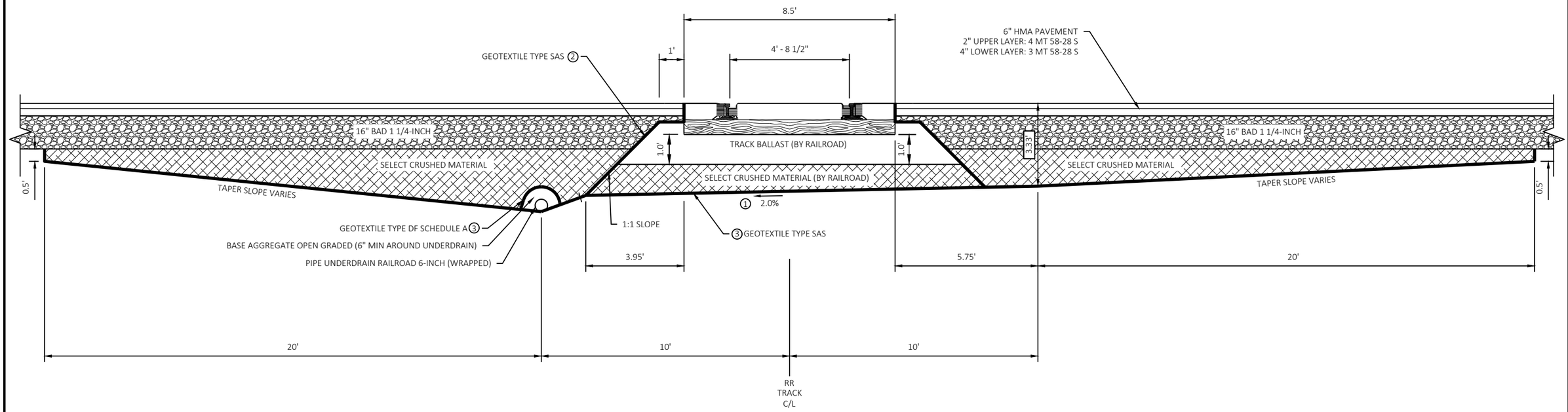
KARST REMEDIATION UNDER NON-ROADWAY AREA DETAIL



KARST REMEDIATION UNDER ROADWAY DETAIL

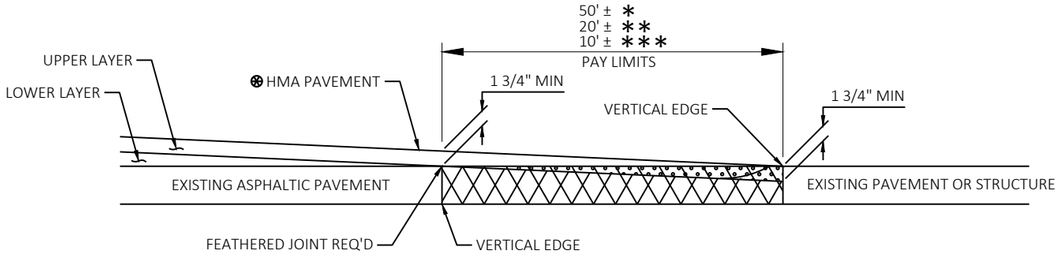
2

1. 2% CROSS SLOPE REQUIRED ON THE SELECT CRUSHED MATERIAL. SLOPE IS CONTINUOUS AND DOES NOT CROWN AT THE TRACK CENTERLINE.
2. GEOTEXTILE TYPE SAS PLACED IN ORDER TO PROVIDE SEPARATION BETWEEN ROADWAY BASE COURSE AND TRACK BALLAST.
3. GEOTEXTILE TYPE SAS PLACED TO PROVIDE SEPARATION UNDER THE UNDERDRAIN. GEOTEXTILE TYPE DF SCHEDULE A AND BASE AGGREGATE OPEN GRADED PLACED TO PROVIDE 6 INCHES OF SEPARATION BETWEEN TOP OF UNDERDRAIN AND SELECT CRUSHED MATERIAL.



RAILROAD CROSSING SUBGRADE IMPROVEMENT

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CONSTRUCTION DETAILS	SHEET 29	E



⊛SEE TYPICAL CROSS SECTION FOR PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS

REMOVING ASPHALTIC SURFACE, BUTT JOINTS (FULL DEPTH REMOVAL OPTIONAL)

ASPHALTIC WEDGING (FULL DEPTH REMOVAL OPTION)

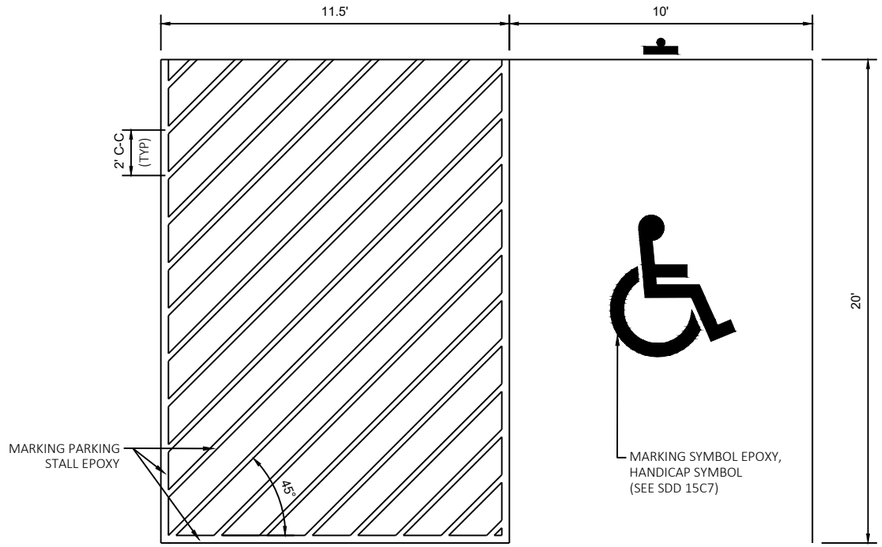
REMOVING ASPHALTIC SURFACE, BUTT JOINTS (MILLING OPTION)

BUTT JOINT DETAIL FOR NON MILLED ASPHALTIC PAVEMENTS (PROFILE CHANGE)

* MAINLINE
** SIDEROADS
*** PRIVATE ENTRANCES

R7-8A
12"X18"

R7-8V
12"X6"



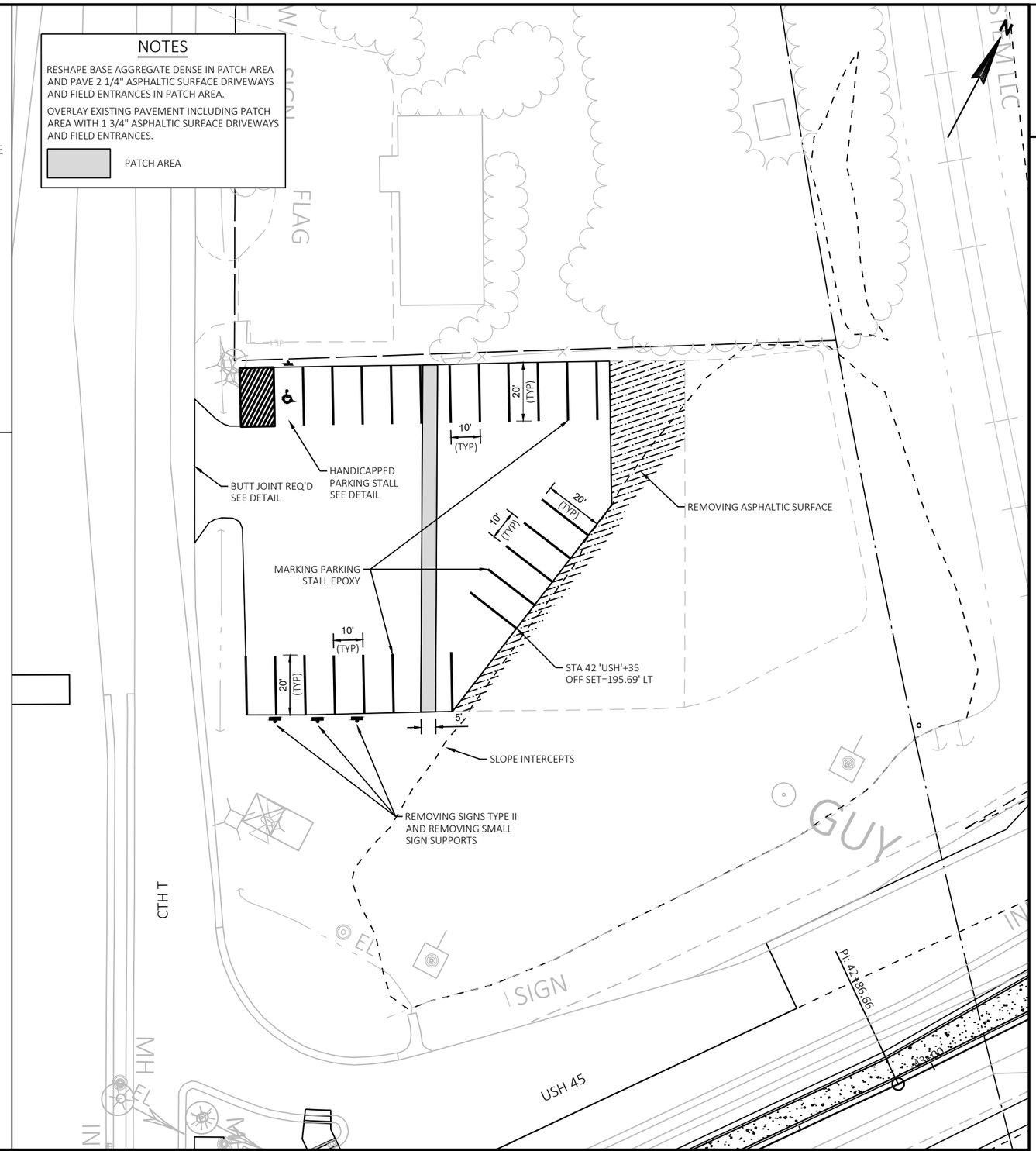
HANDICAPPED PARKING STALL DETAIL

NOTES

RESHAPE BASE AGGREGATE DENSE IN PATCH AREA AND PAVE 2 1/4" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES IN PATCH AREA.

OVERLAY EXISTING PAVEMENT INCLUDING PATCH AREA WITH 1 3/4" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.

PATCH AREA



2

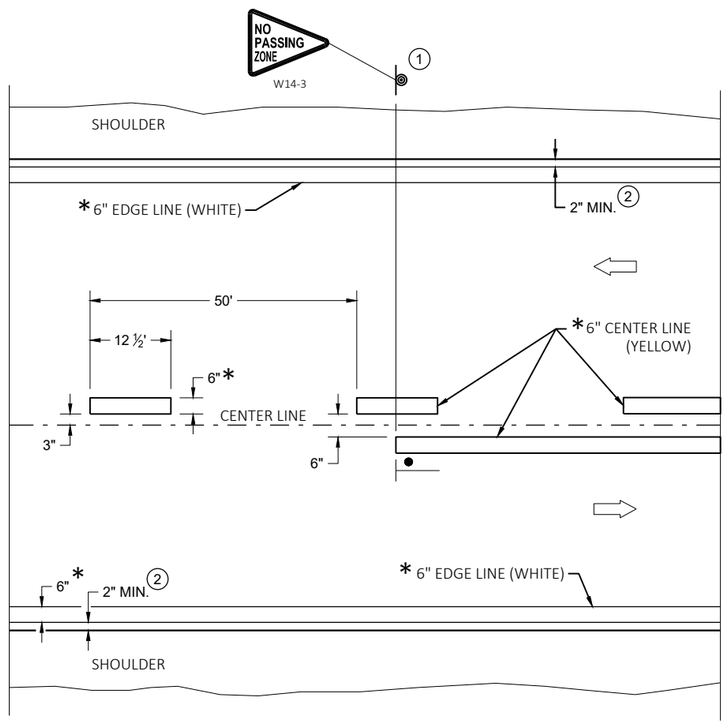
GENERAL NOTES:

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

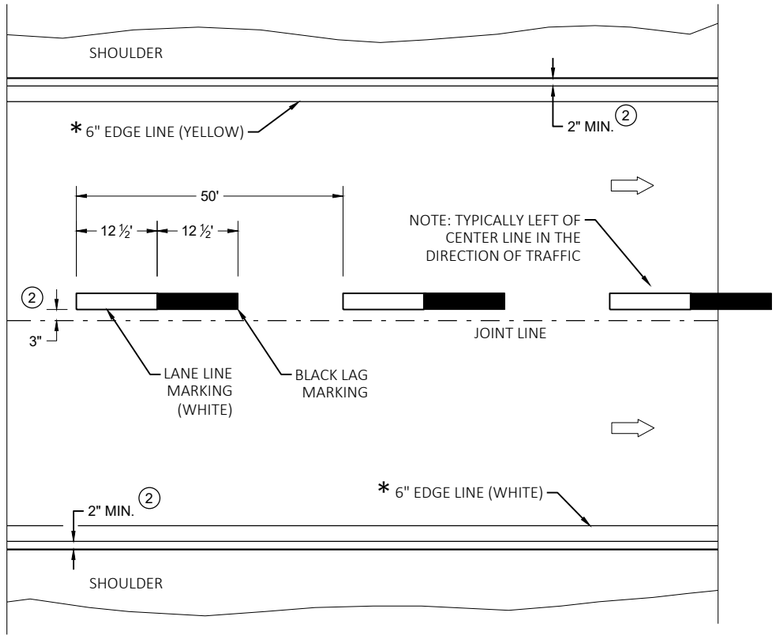
(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES.



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

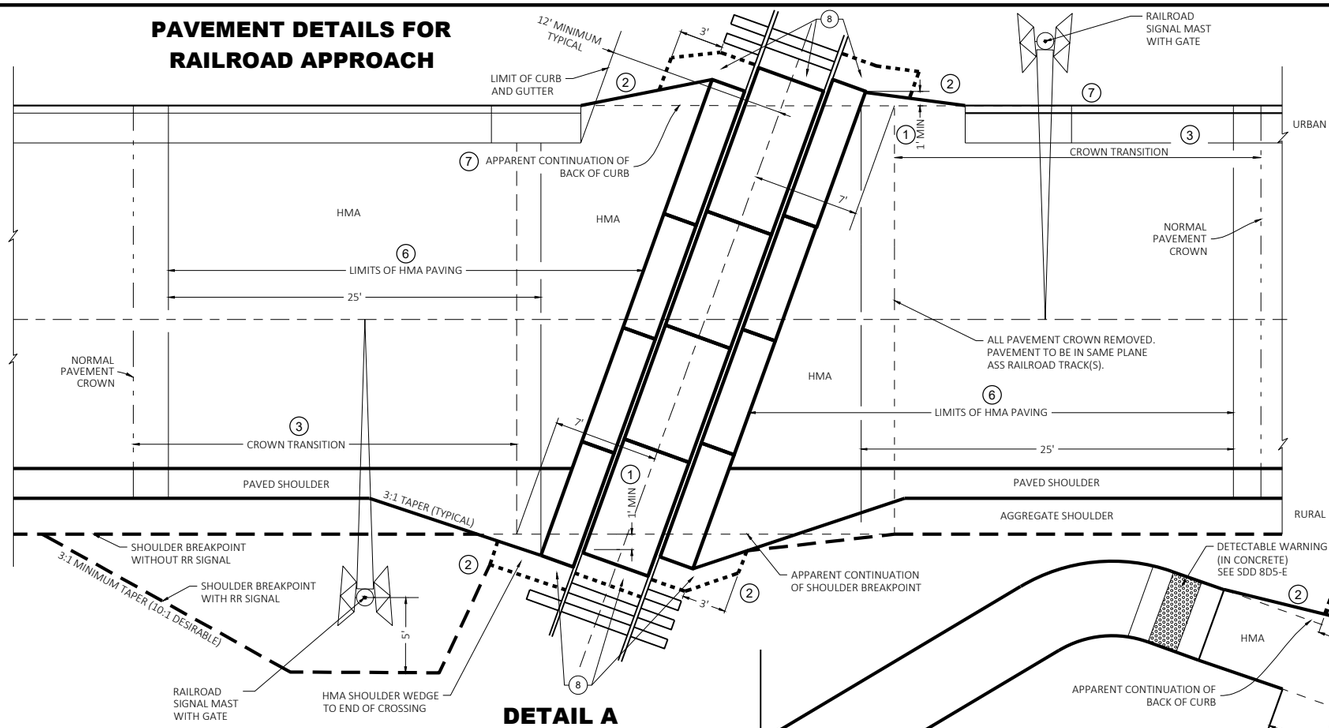
LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

PAVEMENT DETAILS FOR RAILROAD APPROACH



DETAIL A
RAILROAD APPROACH

GENERAL NOTES CONTINUED

(1) 1' MINIMUM CROSSING SURFACE COVERAGE PAST THE APPARENT CONTINUATION OF SHOULDER BREAKPOINT, BACK OF CURB, OR OUTSIDE EDGE OF SIDEWALK/PATH. INDIVIDUAL RAILROADS MAY HAVE DIFFERENT MINIMUM STANDARDS.

(2) HMA FLARE FROM OUTSIDE EDGE OF SIDEWALK/PATH, BACK OF CURB, OR AGGREGATE SHOULDER BREAKPOINT TO THE END OF CROSSING SURFACE MATERIAL.

(3) CROWN TRANSITION LENGTH SHOWN ELSEWHERE IN THE PLAN.

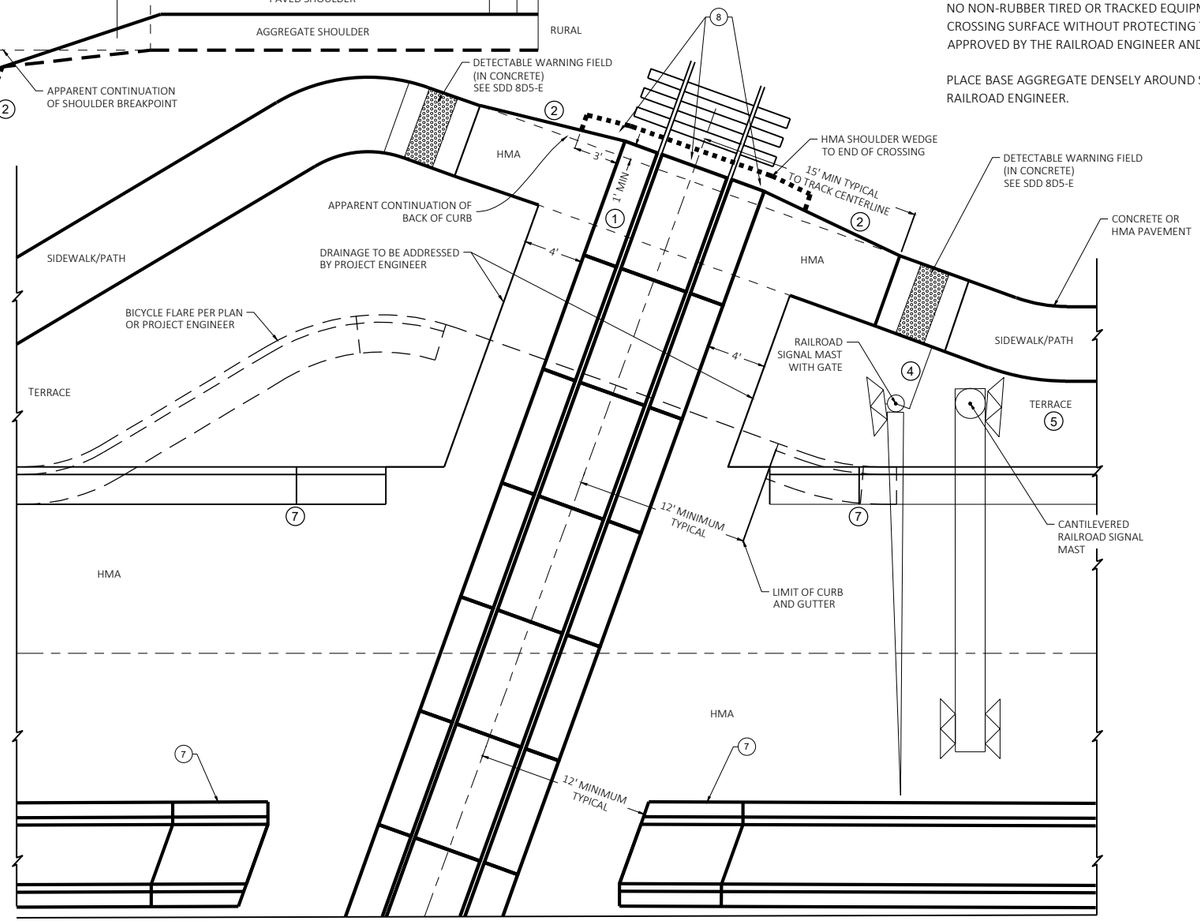
(4) NEAR EDGE OF PATH TO THE CENTER OF SIGNAL OR GATE MAST SHOULD BE A MINIMUM OF 5'-0". FOR SIDEWALK, THE NEAR EDGE SHOULD BE A MINIMUM OF 3'-0" TO THE CENTER OF SIGNAL OR GATE. NEAR EDGE OF SIDEWALK TO A NON-GATED MAST OR CANTILEVER SHOULD BE A MINIMUM OF 2'-6". SEE PLAN FOR RAILROAD SIGNAL AND GATE LOCATION IF THEY ARE NOT ALREADY INSTALLED.

(5) TERRACE WIDTH VARIES. SEE PLAN FOR RAILROAD SIGNAL AND GATE LOCATIONS. PER PLAN OR PROJECT ENGINEER THE TERRACE AND SIDEWALK/PATH GRADES SHALL BE TRANSITIONED TO MATCH THE GRADE OF THE TRACK. FIELD FIT TO AVOID PONDING.

(6) 25' MINIMUM HMA PAVING MEASURED PARALLEL TO THE ROAD OR 10' MINIMUM MEASURED PERPENDICULAR TO THE TRACK FROM THE EDGE OF THE CROSSING SURFACE, WHICHEVER IS GREATER.

(7) REFERENCE SDD 8-D-01 END SECTION CURB AND GUTTER. MEDIAN END NEAR THE TRACK SHOULD BE PARALLEL TO THE TRACK. 6'-0" TAPER FOR A MEDIAN SHOULD BE REDUCED TO GET FULL HEIGHT CURB WHERE THE GATE COMES DOWN. DESIGN OPTION TO POUR MEDIAN TAPER IN ONE PIECE. BUILD PER PLAN UNLESS OTHERWISE APPROVED BY THE RAILROAD ENGINEER AND THE PROJECT ENGINEER.

(8) IF METAL END PLATES ARE NOT INSTALLED BY THE RAILROAD THEN HMA PAVEMENT WEDGE SHALL BE PLACED AT THE END OF THE LAST PANEL TAPERED TO BACK EDGE OF NEXT TIE AND THOROUGHLY COMPACTED. SEE DETAIL G.



DETAIL B
MEDIAN AND SIDEWALK/SHARED-USE PATH APPROACH

GENERAL NOTES

PLANS AND SECTIONS ARE TYPICAL. DIMENSIONS VARY PER PROJECT.

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

CROSSING SURFACE MATERIAL, RAILS, TIES, BALLAST, AND CROSSING DRAINAGE SYSTEM BY OTHERS UNLESS DIRECTED OTHERWISE. IF THE FINAL GRADES DON'T MATCH TO THE PLAN GRADES THEN GRADE ADJUSTMENTS WILL BE NECESSARY. CONFIRM NEW GRADES WITH PROJECT ENGINEER.

HMA PAVEMENT APPROACHES, HMA PAVEMENT CROSSING SURFACES, AND HMA FLANGEWAY/FIELD FILLERS TO BE REPLACED BY ROADWAY CONTRACTOR UNLESS DIRECTED OTHERWISE BY THE PLANS, SPECIAL PROVISIONS, RAILROAD ENGINEER, OR PROJECT ENGINEER.

HMA PAVEMENT SHALL BE ROLLED PARALLEL TO THE TRACK.

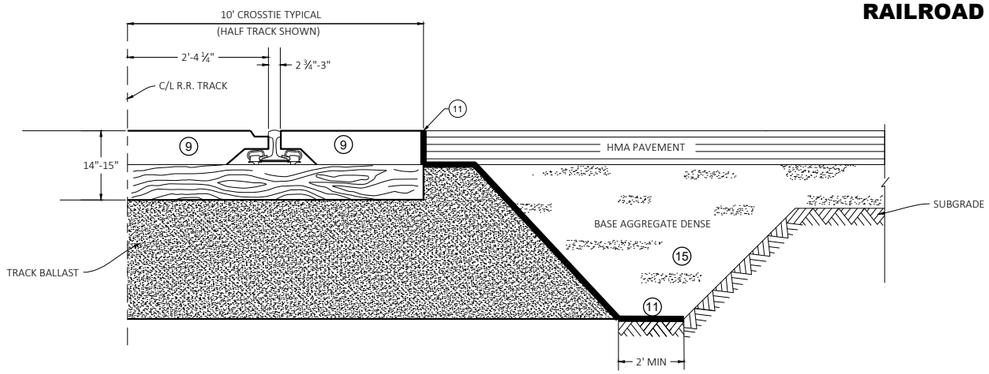
WHEN THERE IS A SIDEWALK OR SHARED-USE PATH, ADD DETECTABLE WARNING FIELDS PER CURRENT STANDARD DETAIL DRAWING 8D5-E.

THE CROSSING SHALL NOT BE OPENED TO ANY TYPE OF TRAFFIC UNTIL IT IS FULLY PAVED AND COOLED SUFFICIENTLY UNLESS OTHERWISE APPROVED BY THE RAILROAD ENGINEER AND THE PROJECT ENGINEER.

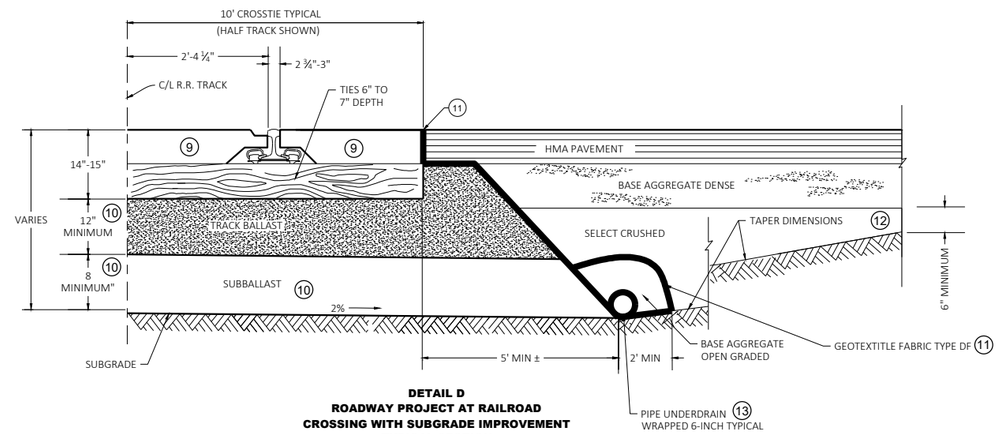
NO NON-RUBBER TIRED OR TRACKED EQUIPMENT SHALL CROSS OR SIT ON THE CROSSING SURFACE WITHOUT PROTECTING THE CROSSING SURFACE WITH A METHOD APPROVED BY THE RAILROAD ENGINEER AND PROJECT ENGINEER.

PLACE BASE AGGREGATE DENSELY AROUND SIGNAL BASE. COORDINATE WITH THE RAILROAD ENGINEER.

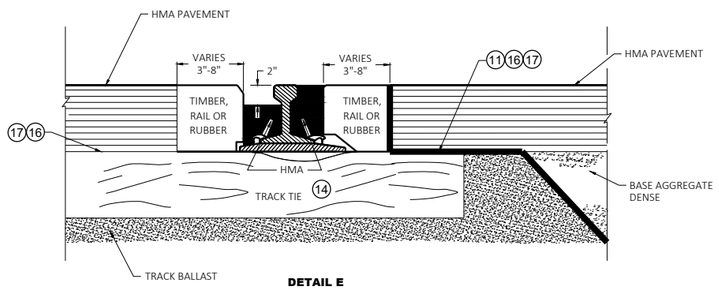
TYPICAL SECTIONS FOR RAILROAD APPROACH



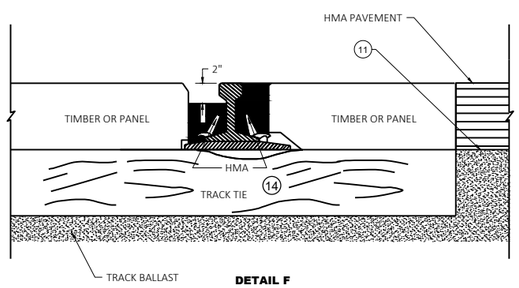
DETAIL C
ROADWAY PROJECT AT RAILROAD
CROSSING WITHOUT SUBGRADE IMPROVEMENT
TYPICAL SECTION



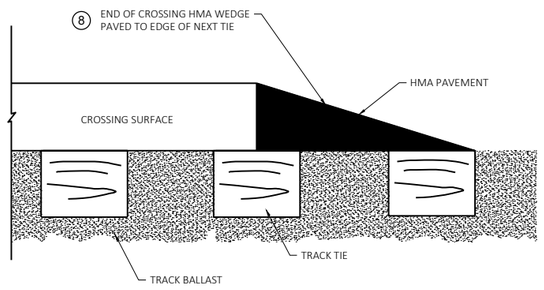
DETAIL D
ROADWAY PROJECT AT RAILROAD
CROSSING WITH SUBGRADE IMPROVEMENT
TYPICAL SECTION



DETAIL E
TIMBER, RAIL OR
RUBBER SECTION
HMA FLANGEWAY
AND FIELD FILLERS



DETAIL F
PANEL SECTION
HMA FLANGEWAY
AND FIELD FILLERS



DETAIL G
END OF CROSSING HMA WEDGE

GENERAL NOTES

(8) IF METAL END PLATES ARE NOT INSTALLED BY THE RAILROAD THEN HMA PAVEMENT WEDGE SHALL BE PLACED AT THE END OF THE LAST PANEL TAPERED TO BACK EDGE OF NEXT TIE AND THOROUGHLY COMPACTED. SEE DETAIL A AND B.

(9) MATCH THE CROSSING TYPE THAT IS INSTALLED UNLESS OTHERWISE DIRECTED BY PROJECT ENGINEER.

(10) TRACK BALLAST AND SUBBALLAST REQUIRED 12" AND 8" MINIMUM DEPTHS RESPECTIVELY. DIMENSION FROM BOTTOM OF TRACK TIE TO HIGH SIDE OF 2% SLOPE. THE 2% SLOPE IS REQUIRED ON RAILROAD SUBBALLAST. SEE PLAN FOR CROWN, MATERIAL THICKNESS, AND SLOPE DIRECTION. SUBBALLAST CAN BE HMA, 1 1/2" BASE AGGREGATE DENSE, SELECT CRUSHED, OR A COMBINATION OF THEM.

(11) GEOTEXTILE FABRIC TYPE SAS PLACED IN ORDER TO PROVIDE STABILIZATION AND SEPARATION ON TOP OF THE TRACK BALLAST WHERE IT IS UNDER HMA PAVEMENT, BASE AGGREGATE DENSE OR SELECT CRUSHED MATERIAL AND THE FIELD SIDE BALLAST CRIBS. GEOTEXTILE FABRIC TYPE DF PLACED IN ORDER TO PROVIDE STABILIZATION AND SEPARATION UNDER AND AROUND THE PIPE UNDERDRAIN. PLACING GEOTEXTILE FABRIC OR GEOGRID UNDER THE SUBBALLAST IS OPTIONAL.

(12) TAPER DIMENSIONS PROVIDED BY PLAN OR BY PROJECT ENGINEER.

(13) IF SHOWN ON THE PLAN, TYPICAL 6-INCH PERFORATED PVC SCHEDULE 80 PIPE UNDERDRAIN TO BE PLACED ALONG THE TOE OF SLOPE, GRADED TO DRAIN AND DAYLIGHT OR INTO STORM SEWER. BASE AGGREGATE OPEN GRADED OVER PIPE UNDERDRAIN AND THEN WRAPPED IN GEOTEXTILE FABRIC TYPE DF SCHEDULE A IN ORDER TO STABILIZE AND SEPARATE FROM SELECT CRUSHED.

(14) HMA FLANGEWAY AND FIELD FILLERS ARE TO BE PLACED AND THOROUGHLY HAND COMPACTED BY THE CONTRACTOR, WHEN NOT PROVIDED BY OTHERS AS PART OF THE CROSSING SURFACE MATERIAL. IF THE CROSSING SURFACE IS NOT BEING REPLACED, THEN REMOVE AND REPLACE THE HMA FLANGEWAY AND FIELD FILLERS AS DIRECTED BY THE RAILROAD OR PROJECT ENGINEER.

(15) GRADE TO MATCH EXISTING OR PROPOSED TYPICAL SECTION OF ROADWAY. SEE PLAN OR PROJECT ENGINEER FOR MORE DETAIL. IF NOT NOTED OTHERWISE IN THE PLAN, BACKFILL ANY REMOVED BASE AND SUBGRADE WITH BASE AGGREGATE DENSE.

(16) IF THE CROSSING IS NOT BEING REPLACED, REMOVE AND REPLACE HMA AS DIRECTED BY RAILROAD AND PROJECT ENGINEER. CARE MUST BE TAKEN TO NOT DAMAGE CROSSING PANELS, TIES, RAIL, PLATES AND SPIKES.

(17) PLACE HMA FULL DEPTH. AGGREGATE IS NOT TO BE PLACED BETWEEN THE RAILROAD TIES AND THE HMA PAVEMENT.

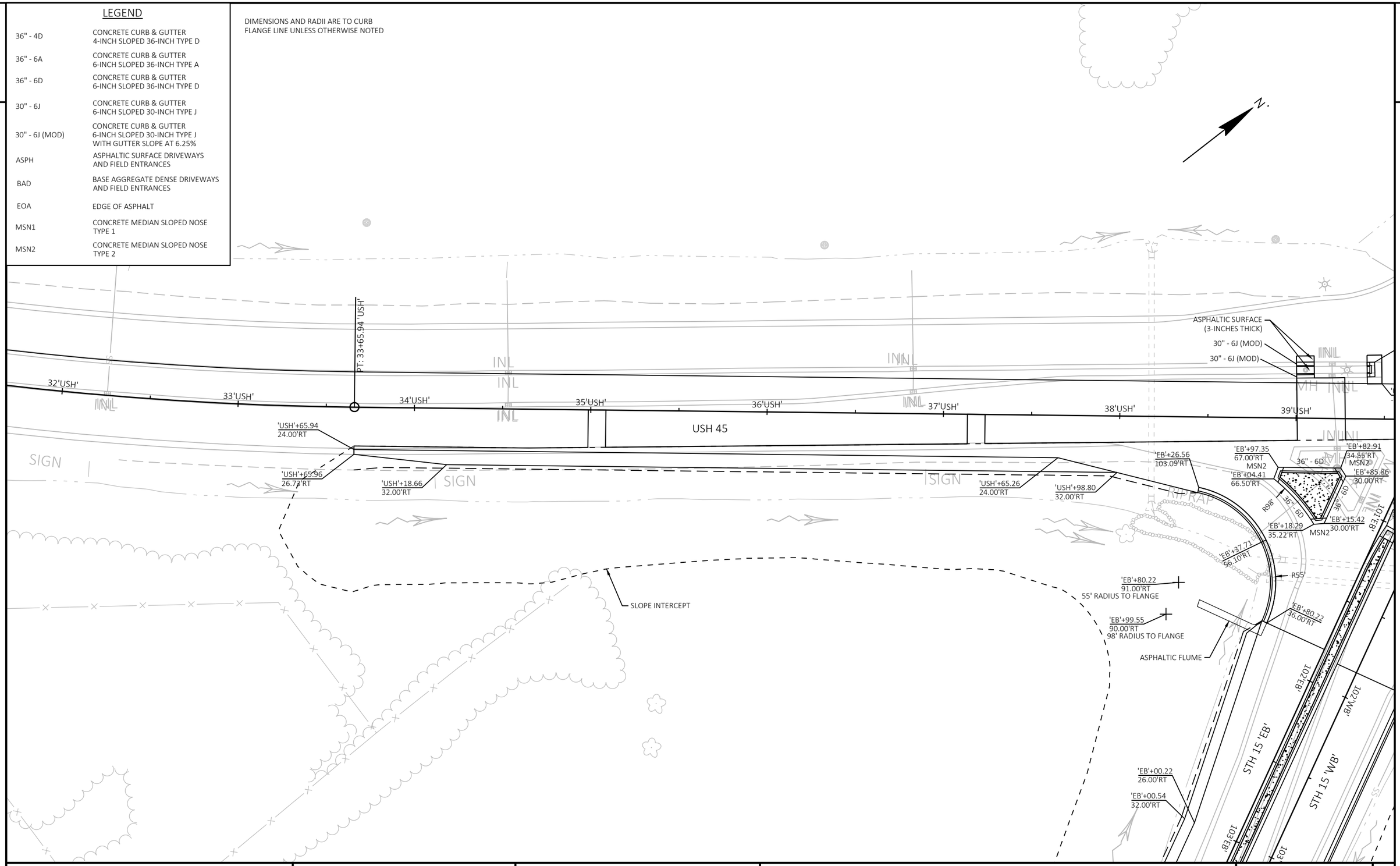
2

2

LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

DIMENSIONS AND RADII ARE TO CURB FLANGE LINE UNLESS OTHERWISE NOTED



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - USH 45	SHEET 34	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021101_id

PLOT DATE : 4/20/2023 3:49 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

DIMENSIONS AND RADII ARE TO CURB FLANGE LINE UNLESS OTHERWISE NOTED

SPOT ELEVATIONS ARE TO CURB FLANGE LINE

* SEE END SECTION CURB & GUTTER DETAIL

USH 45

STH 15 'EB'

STH 15 'WB'

ASPHALTIC SURFACE (3-INCHES THICK)

CONCRETE SIDEWALK 4-INCH OVER 3" BASE AGGREGATE DENSE 1 1/4-INCH

'USH'+44.20 -32.20'LT

'USH'+48.49 -20.04'LT

'USH'+65.74 -12.00'LT

'USH'+65.74 0.00'LT

'USH'+83.57 -71.10'LT

'USH'+80.34 -70.54'LT

'USH'+80.08 -69.48'LT

'USH'+58.12 -61.33'LT

'USH'+63.42 -16.52'LT

'USH'+86.91 -12.00'LT

PI: 40+63.85 'USH'

PI: 42+86.66 'USH'

'USH'+86.66 0.00'

'USH'+59.67 0.00'RT

'USH'+65.26 24.00'RT

'USH'+98.80 32.00'RT

'USH'+21.07 32.00'RT

'USH'+85.07 24.00'RT

'USH'+41.84 32.00'RT

'USH'+57.7 39.72'RT

'EB'+26.56 103.09'RT

'EB'+97.35 67.00'RT

'EB'+82.91 34.55'RT

'EB'+04.41 66.50'RT

'EB'+85.86 30.00'RT

'EB'+18.29 35.22'RT

'EB'+15.42 30.00'RT

'EB'+37.71 66.10'RT

'EB'+80.22 91.00'RT

'EB'+99.55 90.00'RT

'EB'+80.22 36.00'RT

'EB'+00.22 26.00'RT

'EB'+00.54 32.00'RT

'WB'+49.88 -17.61'LT

'WB'+52.36 -16.00'LT

'WB'+45.31 -27.87'LT

'WB'+33.13 -74.79'LT

'WB'+77.65 -16.00'LT

'WB'+48.82 -31.75'LT

'WB'+01.63 19.34'RT

'WB'+52.24 -51.77'LT

'WB'+02.20 12.00'RT

'WB'+80.09 -40.84'LT

'WB'+78.22 -25.50'LT

'WB'+87.40 -100.39'LT 60' RADIUS TO FLANGE

'WB'+87.25 -140.14'LT 115' RADIUS TO FLANGE

'WB'+84.64 -28.00'LT

STA 101'EB'+80.22 ASPHALT PAVING LIMITS

STA 101'WB'+84.65 ASPHALT PAVING LIMITS

ASPHALTIC FLUME

5' x 5' BOX OUT FILLED WITH BASE AGGREGATE DENSE 3/4-INCH. LEVEL WITH TOP OF CONCRETE (VERIFY DIMENSIONS WITH RAILROAD)

SLOPE INTERCEPT

MSN1 776.39 775.79 775.19 774.60 774.03 773.44 772.97 772.40 771.69 771.22 771.02

776.24 775.70 775.16 774.63 774.09 773.55 773.02 772.48 771.94 771.41 771.02 770.79

37'USH' 38'USH' 39'USH' 40'USH' 41'USH' 42'USH' 43'USH'

30" - 6J (MOD) 30" - 6J 36" - 6D 36" - 6A

100'EB 100'WB 101'EB 101'WB 102'EB 102'WB 103'EB

R55' R88' R115' R60'

ISIGN RIPRAP MH INL SS SEPC

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - USH 45	SHEET 35	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021102_id

PLOT DATE : 5/16/2023 8:41 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

'USH'+83.57
-71.10'LT

'USH'+80.34
-70.54'LT

'USH'+80.08
-69.48'LT

'USH'+58.12
-61.33'LT

'USH'+93.18
-68.71'LT

'USH'+15.65
-60.47'LT

CONCRETE SIDEWALK 4-INCH OVER
3" BASE AGGREGATE DENSE 1 1/4-INCH

SIGN

SIGN

SIGN

STA 45'USH'+81, 27.56' LT
START 5-FT TRANSITION FROM
30" - 6J TO EXISTING CURB AND GUTTER

'USH'+63.42
-16.52'LT

'USH'+88.29
-18.00'LT

767.73

USH 45

770.62 770.27 769.74 769.20 768.73 768.38 768.07

30" - 6J

SALVAGED TOPSOIL, SEED, EROSION MAT, AND FERTILIZER

STA 50'USH'+45, 0.00 LT
START 5-FT TRANSITION FROM
30' - 6J TO EXISTING CURB AND GUTTER

PI: 50+50.02 'USH'

44'USH' 45'USH' 46'USH' 47'USH' 48'USH' 30" - 6J 49'USH' 50'USH' 51'USH'

770.79 770.39 770.11 769.64 769.14 768.64 768.14 767.64 767.14 766.64 766.18 765.73 765.35 764.98 764.69 764.40 764.20 763.99 763.83 763.66 763.50 763.34 763.17 763.01 762.84 762.68 762.52 762.35

'USH'+59.67
0.00'RT

'USH'+84.18
0.00'

USH 45

'USH'+50.50
24.19'RT

'USH'+00.00
32.00'RT

'USH'+50.56
27.03'RT

'USH'+94.64
32.00'RT

5' x 5' BOX OUT FILLED WITH
BASE AGGREGATE DENSE 3/4-INCH.
LEVEL WITH TOP OF CONCRETE
(VERIFY DIMENSIONS WITH RAILROAD)

'USH'+71.00
40.39'RT

'USH'+70.74
41.46'RT

'USH'+67.49
42.11'RT

'USH'+41.84
32.00'RT

'USH'+57.78
39.72'RT

SLOPE INTERCEPT

LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

DIMENSIONS AND RADII ARE TO CURB FLANGE LINE UNLESS OTHERWISE NOTED

SPOT ELEVATIONS ARE TO CURB FLANGE LINE

* SEE END SECTION CURB & GUTTER DETAIL

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - USH 45	SHEET 36	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021103_id

PLOT DATE : 5/16/2023 8:42 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

DIMENSIONS AND RADII ARE TO CURB FLANGE LINE UNLESS OTHERWISE NOTED

2

RUINS
MH
WELL
SEPC
SIGN
INL
SS

DRIVEWAY TO BE REMOVED (TYP)

'CUL'+51.35
38.09'RT
R30'
'CUL'+52.33
28.23'RT
R50'
'CUL'+23.76
12.00'RT
SLOPE INTERCEPT
ASPH
BAD
'CUL'+01.24
0.00'LT
83+00
R60'
R30'
WOLF RIVER RUN
'CUL'+71.06
12.00'RT
'CUL'+50.32
-39.41'LT
R30'
'CUL'+46.62
-72.50'LT
BAD
'CUL'+32.86
-92.16'LT
'CUL'+82.97
-61.41'LT
'CUL'+05.50
-69.80'LT
'CUL'+51.36
-42.82'LT
R50'
'CUL'+79.89
-12.00'LT
'CUL'+71.06
-12.00'LT
82+00
'CUL'+17.78
-15.46'LT
'CUL'+04.49
-15.00'LT
'CUL'+11.06
15.00'RT
R60'
R138'
R167'
R40'
81+00
'WB'+59.13
-56.52'LT
'WB'+55.81
-76.00'LT
'WB'+69.80
-35.94'LT
36" - 6D
36" - 6D
'WB'+09.14
-32.00'LT
'WB'+55.81
-36.00'LT
PC: 109+11.16 'WB'
'WB'+68.03
4.00'RT
'WB'+60.82
4.00'RT
'WB'+58.95
11.66'RT
'WB'+64.00
0.00'
36" - 6D
MSN1
'WB'+64.00
10.00'RT
36" - 6A
'WB'+34.09
-63.00'LT
'WB'+34.09
-53.00'LT
'WB'+93.79
-63.00'LT
'WB'+84.91
-53.00'LT
30" - D
36" - 6D
'WB'+84.64
-28.00'LT
ASPHALTIC FLUME
'WB'+20.40
-32.00'LT
'WB'+00.40
-28.00'LT
36" - 6A
STA 101'WB'+84.65
ASPHALT PAVING LIMITS
'WB'+50.00
12.00'RT
'WB'+00.00
0.00'
STH 15 'WB'
102'WB'
103'WB'
104'WB'
105'WB'
106'WB'
107'WB'
108'WB'
109'WB'
36" - 6A
36" - 6A
36" - 6A
36" - 6D
102'EB'
36" - A
103'EB'
104'EB'
105'EB'
36" - 6A
106'EB'
'EB'+09.00
0.00'
36" - 6A
36" - 6D
STH 15 'EB'
107'EB'
36" - 6D
'EB'+59.00
-12.00'LT
108'EB'
109'EB'
'EB'+00.54
26.00'RT
'EB'+00.54
12.00'RT
ASPHALTIC FLUME
CONCRETE SIDEWALK 4-INCH OVER
3" BASE AGGREGATE DENSE 1 1/4-INCH
SLOPE INTERCEPT

STA 109+19.31 R/L ALI STH 15 WB =
STA 80+22.13 R/L ALI CUL DE SAC
Y=601,513.041
X=744,372.604

STA 109+21.68 R/L ALI STH 15 EB =
STA 80+00.00 R/L ALI CUL DE SAC
Y=601,500.790
X=744,354.171

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15	SHEET 37	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021104_id
PLOT DATE : 4/20/2023 3:50 PM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

CONSTRUCT CONCRETE SHOULDER SECTION FROM
STA 109'WB'+68.03 - 114'WB'+25.48
(SEE TYPICAL SECTIONS DETAIL)

'CUL'+23.76
12.00'RT
SLOPE INTERCEPT
'CUL'+71.06
12.00'RT
R50'
82+00
'CUL'+51.36
-42.82'LT
'CUL'+79.89
-12.00'LT
'CUL'+71.06
-12.00'LT
R138'
R167'
'CUL'+17.78
-15.46'LT
'CUL'+04.49
-15.00'LT
R40'
81+00
ASPH
'WB'+55.81
-76.00'LT
36" - 6D
'WB'+85.55
-96.00'LT
SLOPE INTERCEPT
'CUL'+11.06
15.00'RT
R60'
36" - 6D
'WB'+99.85
-57.35'LT
RADIUS TO EOA
DRIVEWAY TO BE REMOVED
(TYP)
'WB'+55.81
-36.00'LT
PC: 109+11.16 'WB'
'WB'+68.03
4.00'RT
36" - 6D
36" - 6A
R60'
'WB'+85.55
-36.00'LT
STH 15 'WB'
'WB'+64.00
0.00'
36" - 6A
109'WB'
'WB'+60.82
4.00'RT
110'WB'
111'WB'
112'WB'
36" - 6A
113'WB'
114'WB'
PT: 114+25.48 'WB'
STA AHEAD = 114+29.00
STA BACK = 114+25.48
EQUATION
115'WB'
'WB'+25.48
4.00'RT
'WB'+99.00
3.00'RT
36" - 6A
36" - 6D
MSN1
'WB'+64.00
10.00'RT
MSN1
'WB'+58.95
11.66'RT
'EB'+99.00
0.00'
109'EB'
110'EB'
111'EB'
112'EB'
36" - 6A
113'EB'
STH 15 'EB'
'EB'+50.00
0.00'
114'EB'
'EB'+57.88
-3.00'LT
115'EB'
36" - 6D
36" - 6A
PC:113+55.94 'EB'
SIGN
SIGN
SIGN
N
BAD
STA 109+19.31 R/L ALI STH 15 WB =
STA 80+22.13 R/L ALI CUL DE SAC
Y=601,513.041
X=744,372.604
STA 109+21.68 R/L ALI STH 15 EB =
STA 80+00.00 R/L ALI CUL DE SAC
Y=601,500.790
X=744,354.171
CONCRETE SIDEWALK 4-INCH OVER
3" BASE AGGREGATE DENSE 1 1/4-INCH
SALVAGED TOPSOIL, SEED, EROSION MAT
AND FERTILIZER
SLOPE INTERCEPT

DIMENSIONS AND RADII ARE TO CURB
FLANGE LINE UNLESS OTHERWISE NOTED

LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15	SHEET 38	E

2

LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

DIMENSIONS AND RADII ARE TO CURB FLANGE LINE UNLESS OTHERWISE NOTED

2

'WB'+48.90
-150.00'LT
186' RADIUS TO FLANGE

'RVR'+26.00
-11.00'LT

'RVR'+26.00
11.00'RT

RIVER ROAD

24'RVR'

23'RVR'

22'RVR'

21'RVR'

N

DRIVEWAY TO BE REMOVED

SLOPE INTERCEPT

'RVR'+66.00
-13.67'LT

'RVR'+66.00
17.00'RT

ASPHALTIC FLUME

'RVR'+46.00
-14.56'LT

15'

15'

ASPHALTIC FLUME

'RVR'+56.00
75.00'RT
60' RADIUS TO FLANGE

'RVR'+36.00
-55.00'LT
40' RADIUS TO FLANGE

'RVR'+36.00
-15.00'LT

'RVR'+56.00
15.00'RT

'RVR'+37.08
18.06'RT

'RVR'+15.66
30.59'RT

'RVR'+12.60
-22.56'LT

'WB'+47.24
-32.00'LT

'RVR'+98.04
-42.39'LT

R40'

R60'

36" - 6D

'RVR'+01.13
50.72'RT

'RVR'+96.00
-55.00'LT

'RVR'+96.00
75.00'RT

'WB'+33.90
-38.00'LT

'WB'+28.90
-26.00'LT
80' RADIUS TO FLANGE

STA 121+48.90 R/L ALI STH 15 WB =
STA 20+60.00 R/L ALI RIVER RD
Y=600,466.619
X=745,010.764

SLOPE INTERCEPT

118'WB'

119'WB'

120'WB'

121'WB'

122'WB'

123'WB'

124'WB'

125'WB'

STH 15 'WB'

'EB'+48.36
-26.00'LT

'WB'+68.90
6.00'RT

'WB'+18.90
3.00'RT

'WB'+58.90
5.40'RT

36" - 4D

R80'

'WB'+12.34
18.70'RT

MSN1

'EB'+38.90
-26.00'LT

36" - 4D

'WB'+11.67
25.14'RT

'WB'+48.90
36.00'RT

R186'

'WB'+98.03
29.40'RT

'WB'+77.60
30.52'RT

'WB'+28.90
12.00'RT

36" - 4D

'WB'+85.73
24.65'RT

'WB'+38.90
14.00'RT

MSN1

'WB'+77.60
35.48'RT

36" - 4D

R80'

'EB'+38.90
-5.40'LT

118'EB'

119'EB'

120'EB'

121'EB'

122'EB'

123'EB'

124'EB'

125'EB'

STH 15 'EB'

'WB'+68.90
86.00'RT
80' RADIUS
TO FLANGE

'WB'+28.90
54.00'RT

'WB'+02.77
49.61'RT

'EB'+78.90
-3.00'LT

SIGN

PT: 118+70.47 'EB'

STA 121+48.90 R/L ALI STH 15 EB =
STA 20+00.00 R/L ALI RIVER RD
Y=600,434.492
X=744,960.090

BAD

TYPE B1 MODIFIED INT.

'WB'+28.90
92.00'RT
80' RADIUS TO FLANGE

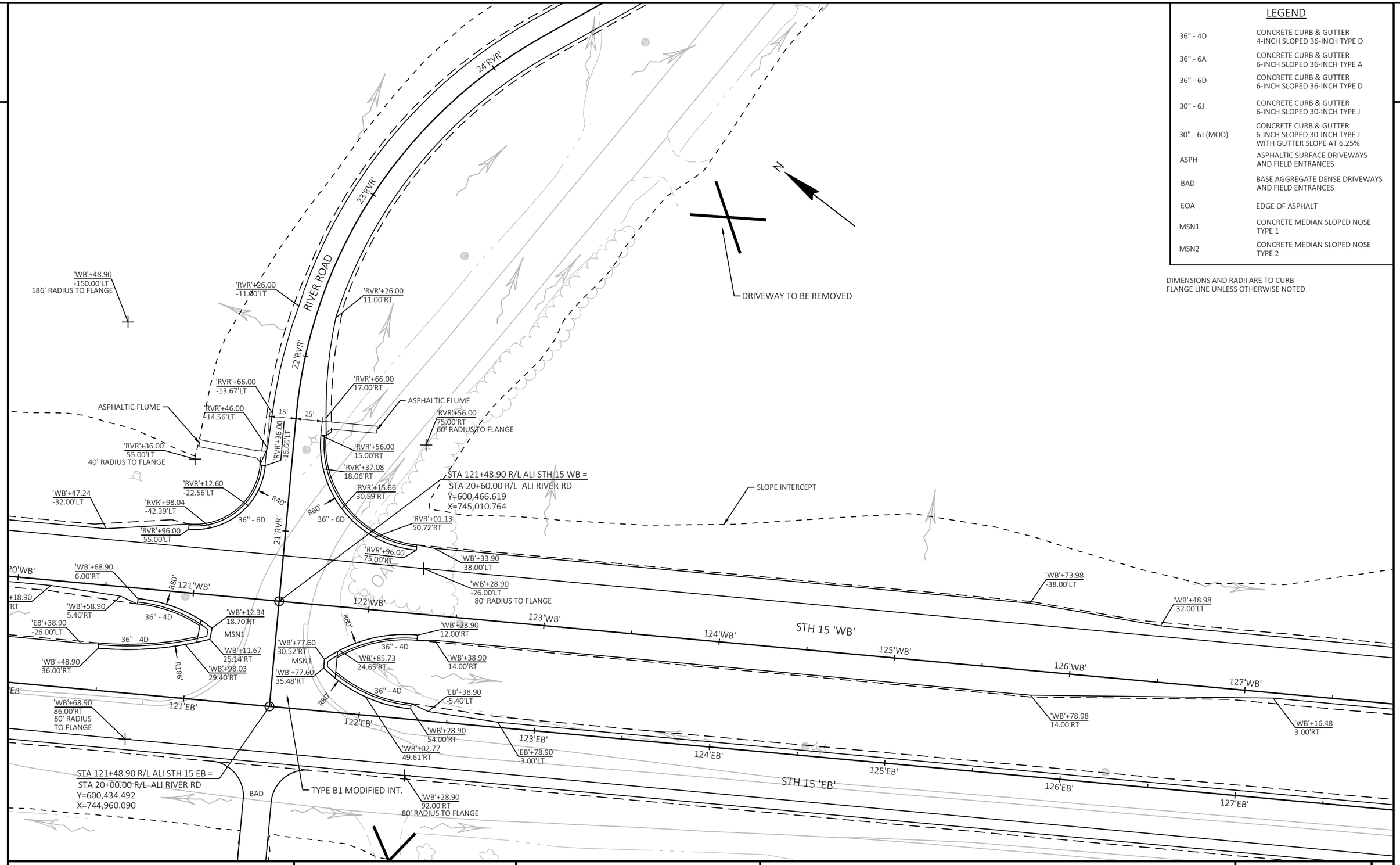
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15 & RIVER ROAD INTERSECTION	SHEET 39	E

2

LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

DIMENSIONS AND RADII ARE TO CURB FLANGE LINE UNLESS OTHERWISE NOTED



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15 & RIVER ROAD INTERSECTION	SHEET 40	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021107_id

PLOT DATE : 4/20/2023 3:50 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

DIMENSIONS AND RADII ARE TO CURB FLANGE LINE UNLESS OTHERWISE NOTED

SPOT ELEVATIONS ARE TO CURB FLANGE LINE

2

TYPE B2 MODIFIED INT.

STA 25+81.01 R/L ALI CROSS RD =
STA 50+00.00 R/L ALI LEDGE HILL RD
Y=598,001.030
X=746,138.034

26'CRS'

'CRS'+31.33
12.00'RT

'WB'+51.14
210.00'RT

'LED'+77.88
52.43'RT

ASPHALTIC FLUME

780.84 780.13

36" - 6D

'LED'+75.92
42.39'RT

'LED'+61.37
22.56'RT

781.78

R40'

782.48

'LED'+37.96
55.00'RT
40' RADIUS TO FLANGE

N

'LED'+37.96
15.00'RT

'LED'+27.85
15.00'RT

SLOPE INTERCEPT

R60'

36" - 6D

782.22 781.45

782.87

782.16

782.62

'CRS'+02.81
25.91'RT

'LED'+71.75
-46.47'LT

'LED'+33.34
-16.75'LT

'LED'+78.78
-70.28'LT

'LED'+62.04
-33.23'LT

'LED'+18.96
-15.00'LT

ASPHALTIC FLUME

LEDGE HILL ROAD

'LED'+48.84
11.00'RT

'LED'+18.96
-75.00'LT
60' RADIUS TO FLANGE

'LED'+48.97
11.00'LT

24'CRS'

CROSS ROAD

22'CRS'

'CRS'+18.01
25.81'RT

BAD

'CRS'+66.95
13.73'RT

'CRS'+37.30
12.00'RT

OAK

OAK

ALI LED'

400
784.124
MON MAGNAIL W/

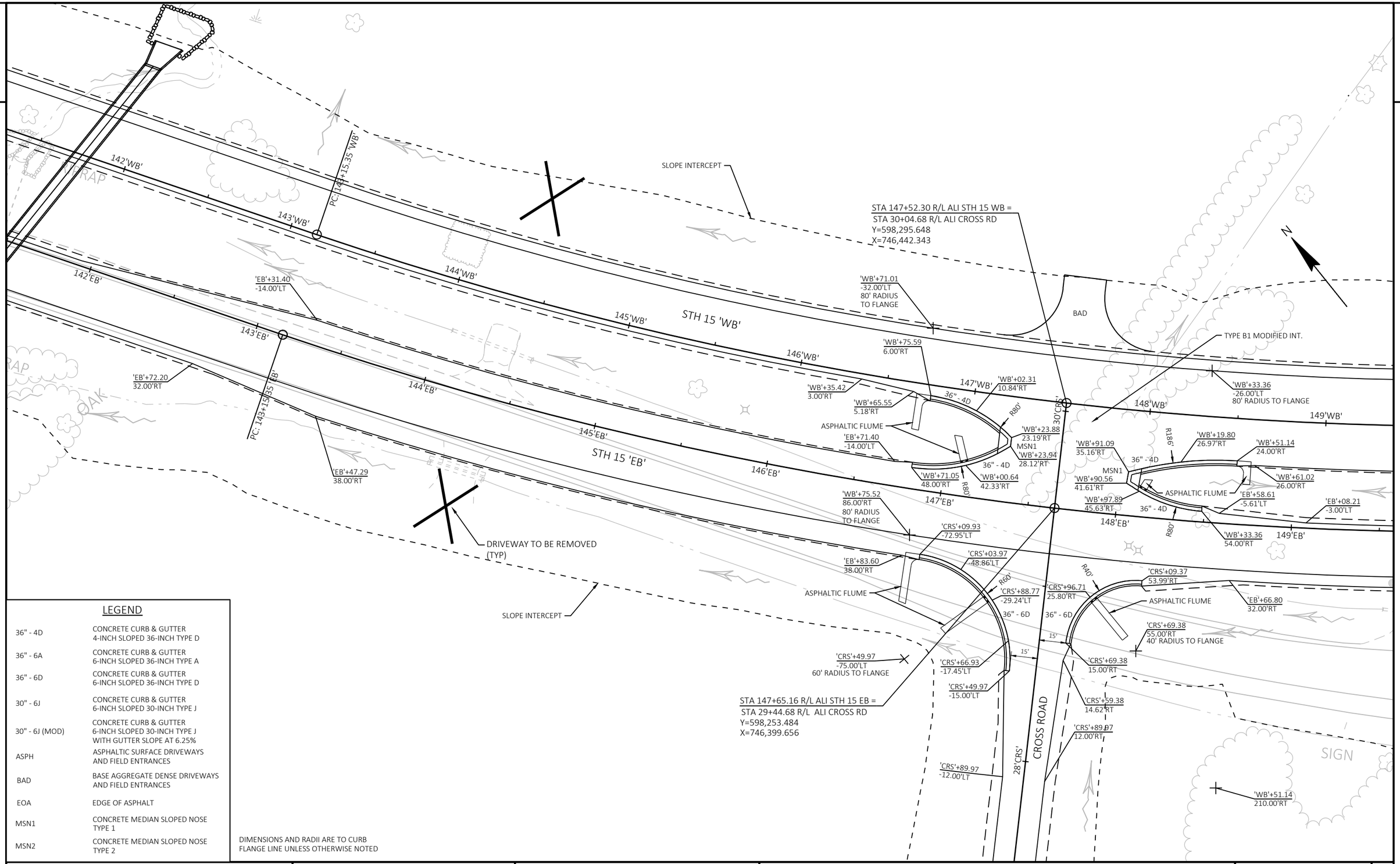
ALI LED'

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15 & LEDGE HILL ROAD INTERSECTION	SHEET 41	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021108_id

PLOT DATE : 4/20/2023 3:50 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

DIMENSIONS AND RADII ARE TO CURB FLANGE LINE UNLESS OTHERWISE NOTED

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15 & CROSS ROAD INTERSECTION	SHEET 42	E

2

2

N

BAD

SLOPE INTERCEPT

DRIVEWAY TO BE REMOVED
(TYP)

'WB'+33.36
-26.00'LT
80' RADIUS TO FLANGE

148'WB'

149'WB'

150'WB'

151'WB'

152'WB'

153'WB'

154'WB'

155'WB'

STH 15 'WB'

'WB'+91.09
35.16'RT

R186'

'WB'+19.80
26.97'RT

'WB'+51.14
24.00'RT

36" - 4D

MSN1

'WB'+90.56
41.61'RT

'WB'+97.89
45.63'RT

ASPHALTIC FLUME

'WB'+61.02
26.00'RT

'WB'+47.73
26.00'RT

'WB'+35.17
3.00'RT

36" - 4D

'EB'+58.61
-5.61'LT

148'EB'

R80'

'WB'+33.36
54.00'RT

'EB'+08.21
-3.00'LT

149'EB'

150'EB'

151'EB'

152'EB'

153'EB'

154'EB'

155'EB'

STH 15 'EB'

R40'

36" - 6D

'CRS'+09.37
53.99'RT

ASPHALTIC FLUME

'CRS'+69.38
55.00'RT
40' RADIUS TO FLANGE

'EB'+66.80
32.00'RT

'CRS'+69.38
15.00'RT

'CRS'+59.38
14.62'RT

SIGN

OAK

'WB'+51.14
210.00'RT
186' RADIUS TO FLANGE

DIMENSIONS AND RADII ARE TO CURB
FLANGE LINE UNLESS OTHERWISE NOTED

LEGEND

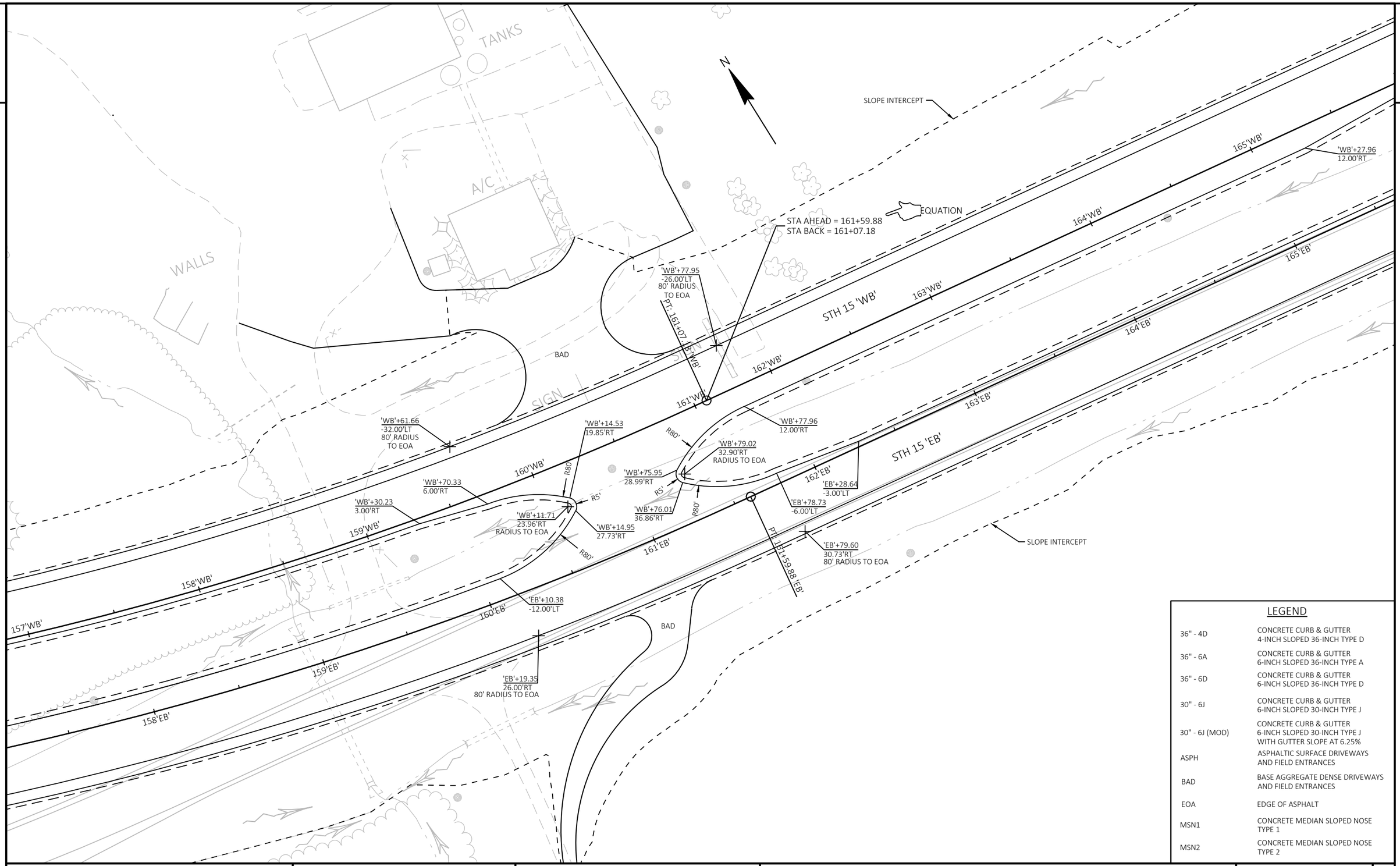
36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15 & CROSS ROAD INTERSECTION (CONTINUED)	SHEET 43	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021110_id

PLOT DATE : 4/20/2023 3:50 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15 MEDIAN CROSSING	SHEET 44	E

2

LOCATIONS FOR POINTS

1. 191'WB'+31.61, -51.02' LT, 67' RADIUS TO EOA
2. 191'WB'+69.67, -68.77' LT, 25' RADIUS TO EOA
3. 191'WB'+74.62, -54.00' LT, 20' RADIUS TO EOA
4. 191'WB'+92.33, -79.34' LT
5. 191'WB'+94.67, -68.69' LT
6. 192'WB'+45.52, -68.78' LT
7. 192'WB'+45.67, -73.55' LT, 42' RADIUS TO EOA
8. 192'WB'+59.00, -54.00' LT, 20' RADIUS TO EOA
9. 192'WB'+66.61, -51.28' LT, 68' RADIUS TO EOA

N

PIER

SLOPE INTERCEPT

STH 15 'WB'

STH 15 'EB'

187'WB'
188'WB'
189'WB'
190'WB'
191'WB'
192'WB'
193'WB'
194'WB'
195'WB'

187'EB'
188'EB'
189'EB'
190'EB'
191'EB'
192'EB'
193'EB'
194'EB'

'EB'+63.83
-3.00'LT

'EB'+76.33
-12.00'LT

'WB'+26.33
-32.00'LT
80' RADIUS TO EOA

'WB'+26.33
6.00'RT

'WB'+76.33
3.00'RT

'WB'+72.63
27.00'RT
RADIUS TO EOA

'WB'+26.33
48.00'RT

'WB'+75.72
23.07'RT

'WB'+75.72
30.93'RT

'WB'+36.94
29.07'RT

'WB'+36.94
36.93'RT

'WB'+40.02
33.00'RT
RADIUS TO EOA

'WB'+86.33
12.00'RT

'WB'+53.34
49.44'RT
160' RADIUS
TO EOA

'WB'+86.33
54.00'RT

'EB'+36.33
-3.00'LT

'WB'+86.33
92.00'RT
80' RADIUS TO EOA

'WB'+26.33
86.00'RT
80' RADIUS TO EOA

'WB'+86.33
-26.00'LT
80' RADIUS TO EOA

'WB'+94.62
-53.93'LT

192'WB'+08.30, -109.71' LT
192'WB'+02.12, -101.85' LT
192'WB'+60.60, -119.01' LT
192'WB'+53.06, -117.92' LT
192'WB'+37.30, -114.71' LT
192'WB'+15.48, -102.76' LT

R68'
R42'
R160'
R67
R10'
R32'
R20'
R80'
R5'

BAD
ASPH
SIGN
SIGN POSTS
TUUT

LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15 MEDIAN CROSSING	SHEET 45	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021112_id
PLOT DATE : 4/20/2023 3:50 PM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2

2

N

'WB'+39.54
-189.24'LT

'WB'+29.82
-188.55'LT

'WB'+73.90
-190.16'LT
52' & 68' RADIUS TO EOA

R68'

ASPH

R52'

'WB'+78.50
-138.36'LT

'WB'+79.91
-122.42'LT

SLOPE INTERCEPT

PC: 197+70.21 'WB'

'WB'+48.83
3.00'RT

201'WB'
200'WB'
199'WB'
198'WB'
197'WB'
196'WB'
195'WB'
194'WB'
193'WB'

201'EB'
200'EB'
199'EB'
198'EB'
197'EB'
196'EB'
195'EB'
194'EB'
193'EB'

STH 15 'WB'

'WB'+36.33
12.00'RT

PC: 197+70.21 'EB'

STH 15 'EB'

'WB'+60.60, -119.01' LT

'WB'+53.06, -117.92' LT

7.30, -114.71' LT

2.76' LT

'WB'+86.33
-26.00'LT
80' RADIUS TO EOA

'WB'+53.34
49.44'RT
160' RADIUS
TO EOA

'WB'+86.33
12.00'RT

'EB'+36.33
-3.00'LT

40.02
RT
TO EOA

'WB'+86.33
54.00'RT

'WB'+86.33
92.00'RT
80' RADIUS TO EOA

SLOPE INTERCEPT

BAD

SEPV

FLAG
FLAG

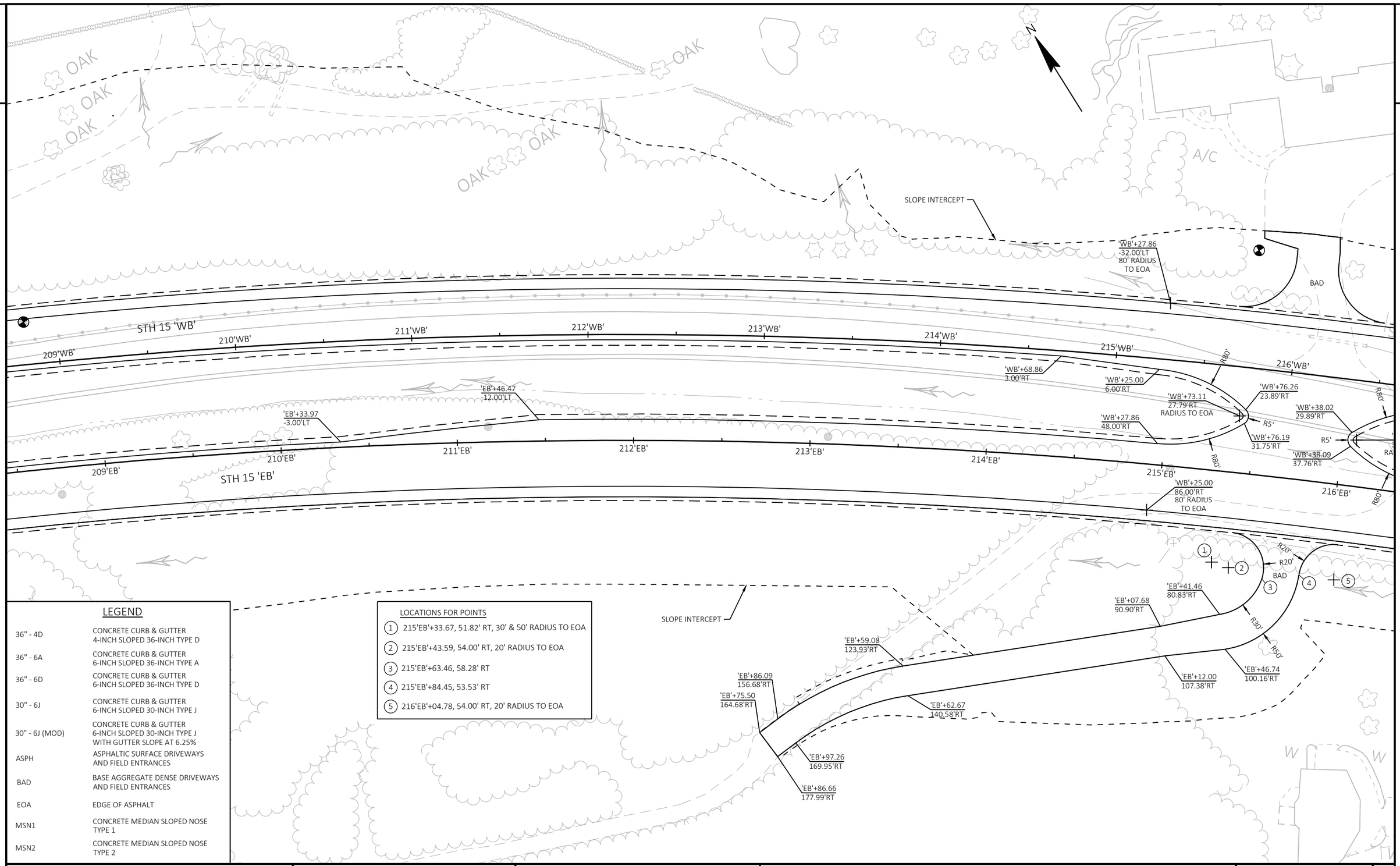
OAK

LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15 MEDIAN CROSSING	SHEET 46	E

2



LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

LOCATIONS FOR POINTS

1. 215'EB'+33.67, 51.82' RT, 30' & 50' RADIUS TO EOA
2. 215'EB'+43.59, 54.00' RT, 20' RADIUS TO EOA
3. 215'EB'+63.46, 58.28' RT
4. 215'EB'+84.45, 53.53' RT
5. 216'EB'+04.78, 54.00' RT, 20' RADIUS TO EOA

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15 MEDIAN CROSSING	SHEET 47 E

2

LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

'WB'+27.86
-32.00'LT
80' RADIUS
TO EOA

BAD

'WB'+86.50
-26.00'LT
80' RADIUS
TO EOA

SLOPE INTERCEPT

BAD

PT: 218+78.08 'WB'

STA AHEAD = 218+40.44
STA BACK = 218+78.08

EQUATION

5'WB'

R80'

216'WB'

217'WB'

STH 15 'WB'

218'WB'

219'WB'

220'WB'

221'WB'

222'WB'

'WB'+25.00
00'RT

'WB'+73.11
27.79'RT
RADIUS TO EOA

'WB'+76.26
23.89'RT

'WB'+38.02
29.89'RT

B'+27.86
00'RT

R5'

'WB'+76.19
31.75'RT

'WB'+38.09
37.76'RT

R5'

'WB'+41.17
33.79'RT
RADIUS TO EOA

'WB'+89.37
12.00'RT

'WB'+86.50
54.00'RT

'EB'+96.02
-3.00'LT

215'EB'

'WB'+25.00
86.00'RT
80' RADIUS
TO EOA

216'EB'

217'EB'

STH 15 'EB'

218'EB'

PT: 218+40.44 'EB'

219'EB'

220'EB'

221'EB'

222'EB'

'WB'+01.73
12.00'RT

'WB'+14.23
3.00'RT

R20'

R20'

BAD

'EB'+41.46
80.83'RT

'EB'+07.68
90.90'RT

R30'

R50'

'WB'+89.37
92.00'RT
80' RADIUS
TO EOA

'EB'+12.00
107.38'RT

'EB'+46.74
100.16'RT

SLOPE INTERCEPT

BAD

BAD

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15 MEDIAN CROSSING	SHEET 48	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021115_id

PLOT DATE : 4/20/2023 3:50 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

STA 232+16.05 R/L ALI STH 15 WB =
STA 20+00.00 R/L ALI KELLY DR
Y=595,419.364
X=754,092.632

SLOPE INTERCEPT

STH 15 'WB'

STH 15 'EB'

'WB'+30.42
-32.00'LT
80' RADIUS
TO FLANGE

'WB'+96.05
-26.00'LT
80' RADIUS
TO FLANGE

PC: 233+54.88 'WB'

TYPE B1 MODIFIED INT.

ASPH

BAD

'WB'+34.89
6.00'RT

'WB'+59.55
9.89'RT

'WB'+84.89
3.00'RT

'WB'+24.89
5.40'RT

'WB'+83.77
22.59'RT
MSN1

'WB'+83.96
27.53'RT

'WB'+76.39
33.47'RT

'WB'+30.42
48.00'RT

'WB'+57.94
43.12'RT

'WB'+34.89
86.00'RT
80' RADIUS TO FLANGE

'WB'+85.78
26.48'RT

'WB'+16.05
24.00'RT

'WB'+26.05
26.00'RT

'WB'+53.29
34.86'RT

'WB'+52.62
41.30'RT

'WB'+74.97
51.17'RT

'WB'+06.05
54.59'RT

'WB'+96.05
54.00'RT

'EB'+47.16
-3.00'LT

'EB'+20.42
-14.00'LT

'EB'+80.42
-14.00'LT

'EB'+42.84
-3.00'LT

'EB'+12.77
32.00'RT

'EB'+87.77
38.00'RT

'EB'+27.85
38.00'RT

'EB'+17.35
32.00'RT

'KLY'+04.01
54.63'RT

'KLY'+92.95
27.02'RT

'KLY'+96.66
-49.44'LT

'KLY'+82.77
-32.40'LT

'KLY'+04.01
-78.20'LT

'KLY'+66.61
15.00'RT

'KLY'+66.60
55.00'RT
40' RADIUS TO FLANGE

'KLY'+57.11
14.64'RT

'KLY'+56.50
-18.98'LT

'KLY'+30.38
-15.01'LT

'KLY'+20.29
-20.03'LT

'KLY'+30.40
-75.01'LT
60' RADIUS TO FLANGE

'KLY'+60.20
-11.00'LT

'WB'+16.05
210.00'RT
186' RADIUS TO FLANGE

STA 232+16.05 R/L ALI STH 15 WB =
STA 19+40.01 R/L KELLY DR
Y=595,375.663
X=754,051.531

ASPHALTIC FLUME

36" - 4D

36" - 6D

R80'

R186'

R40'

18'KLY'

16'KLY'

KELLY DRIVE

DRIVEWAY TO BE REMOVED
(TYP)

SLOPE INTERCEPT

FLAG

OAK

LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

DIMENSIONS AND RADII ARE TO CURB FLANGE LINE UNLESS OTHERWISE NOTED

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15 & KELLY DRIVE INTERSECTION	SHEET 49	E

2

N

NURSERY

NURSERY

SIGN

OAK

SLOPE INTERCEPT

ASPH

'WB'+96.05
-26.00'LT
80' RADIUS
TO FLANGE

PC: 234+54.88 'WB'

BAD

STH 15 'WB'

233'WB'

234'WB'

235'WB'

236'WB'

237'WB'

238'WB'

239'WB'

240'WB'

'WB'+02.58
3.00'RT

'WB'+15.09
26.00'RT

240'EB'

239'EB'

238'EB'

237'EB'

236'EB'

235'EB'

234'EB'

STH 15 'EB'

'WB'+16.05
24.00'RT

'WB'+26.05
26.00'RT

'WB'+85.78
26.48'RT

R186'

36" - 4D

ASPHALTIC FLUME

'WB'+53.29
34.86'RT

MSN1

'WB'+52.62
41.30'RT

36" - 4D

'EB'+47.16
-3.00'LT

233'EB'

'WB'+06.05
54.59'RT

'WB'+74.97
51.17'RT

R80'

'WB'+96.05
54.00'RT

'KLY'+04.01
54.63'RT

PC: 233+54.88 'EB'

'EB'+17.35
32.00'RT

R40'

'KLY'+92.95
27.02'RT

ASPHALTIC FLUME

SLOPE INTERCEPT

82.77
0'LT

36" - 6D

'KLY'+66.61
15.00'RT

'KLY'+66.60
55.00'RT
40' RADIUS TO FLANGE

'KLY'+57.11
14.64'RT

DRIVEWAY TO BE REMOVED
(TYP)

'WB'+16.05
210.00'RT
186' RADIUS TO FLANGE

18' KLY'

ASPH

LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

DIMENSIONS AND RADII ARE TO CURB FLANGE LINE UNLESS OTHERWISE NOTED

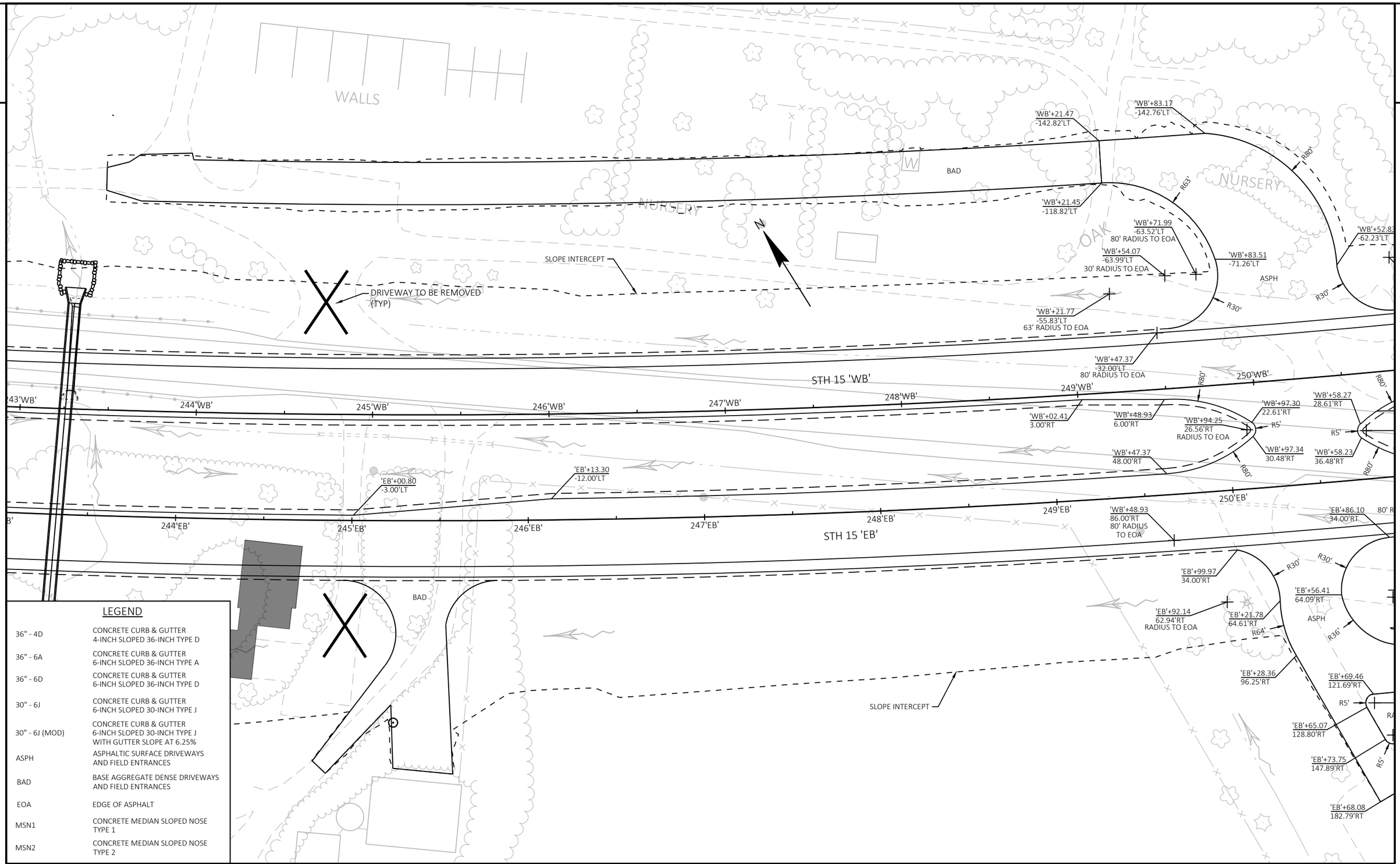
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15 & KELLY DRIVE INTERSECTION (CONTINUED)	SHEET 50	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021117_id

PLOT DATE : 4/20/2023 3:51 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15 MEDIAN CROSSING	SHEET 51	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021118_id
PLOT DATE : 4/20/2023 3:51 PM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

SLOPE INTERCEPT

'WB'+21.47
-142.82'LT

'WB'+83.17
-142.76'LT

BAD

R80'

R63'

NURSERY

'WB'+21.45
-118.82'LT

ASPH

OAK

'WB'+71.99
-63.52'LT
80' RADIUS TO EOA

'WB'+54.07
-63.99'LT
30' RADIUS TO EOA

'WB'+83.51
-71.26'LT

'WB'+52.83
-62.23'LT

'WB'+83.10
-64.00'LT
80' RADIUS TO EOA

R30'

R30'

'WB'+21.77
-55.83'LT
63' RADIUS TO EOA

'WB'+08.15
-26.00'LT
80' RADIUS TO EOA

'WB'+47.37
-32.00'LT
80' RADIUS TO EOA

STH 15 'WB'

249'WB'
250'WB'
251'WB'
252'WB'
253'WB'
254'WB'
255'WB'
256'WB'

'WB'+69.19
3.00'RT

'WB'+56.60
12.00'RT

'WB'+02.41
3.00'RT

'WB'+48.93
6.00'RT

'WB'+94.25
26.56'RT
RADIUS TO EOA

'WB'+97.30
22.61'RT

'WB'+97.34
30.48'RT

R5'

R80'

'WB'+47.37
48.00'RT

'WB'+58.27
28.61'RT

'WB'+68.34
21.94'RT

'WB'+61.32
32.56'RT
RADIUS TO EOA

'WB'+58.23
36.48'RT

'WB'+08.15
54.00'RT

'WB'+06.60
12.00'RT

'WB'+06.60
92.00'RT
80' RADIUS TO EOA

'WB'+48.93
86.00'RT
80' RADIUS
TO EOA

'EB'+86.10
34.00'RT

'EB'+79.13
-3.00'LT

249'EB'
250'EB'
251'EB'
252'EB'
253'EB'
254'EB'
255'EB'
256'EB'

STH 15 'EB'

'EB'+99.97
34.00'RT

'EB'+91.76
59.68'RT
36' RADIUS TO EOA

'EB'+86.10
64.00'RT
30' RADIUS TO EOA

'EB'+85.03
67.96'RT
64' RADIUS TO EOA

'EB'+56.41
64.09'RT

'EB'+92.14
62.94'RT
RADIUS TO EOA

'EB'+21.78
64.61'RT

R64'

R30'

R36'

ASPH

'EB'+88.78
95.53'RT

'EB'+96.92
95.78'RT

'EB'+15.18
108.84'RT

R20'

'EB'+96.70
115.78'RT
RADIUS TO EOA

'EB'+16.92
112.70'RT

'EB'+28.36
96.25'RT

'EB'+69.46
121.69'RT

'EB'+18.64
121.40'RT

R5'

'EB'+18.65
126.40'RT
RADIUS TO EOA

'EB'+69.51
126.69'RT
RADIUS TO EOA

R5'

SIGN

'EB'+65.07
128.80'RT

'EB'+78.18
145.79'RT
RADIUS TO EOA

'EB'+20.71
130.94'RT

'EB'+73.75
147.89'RT

R5'

'EB'+80.27
150.31'RT

'EB'+68.08
182.79'RT

SLOPE INTERCEPT

LEGEND

36" - 4D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
36" - 6A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
36" - 6D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
30" - 6J	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
30" - 6J (MOD)	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J WITH GUTTER SLOPE AT 6.25%
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE DRIVEWAYS AND FIELD ENTRANCES
EOA	EDGE OF ASPHALT
MSN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
MSN2	CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	INTERSECTION DETAILS - STH 15 MEDIAN CROSSING	SHEET 52	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021119_id
PLOT DATE : 4/20/2023 3:51 PM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

USH 45 SB

USH 45 NB

SAWCUT FOR LOOP DETECTOR

SAWCUT FOR LOOP DETECTOR

34'USH'

36'USH'

38'USH'

GUY

GUY

SIGN

SIGN

524.0636
APRON ENDWALLS FOR CULVERT PIPE
SALVAGED 36-INCH

LEGEND

- REMOVING CURB AND GUTTER
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- XXXX SAWCUT
- CLEARING AND GRUBBING
- DRIVEWAY REMOVAL
- REMOVING SMALL PIPE CULVERTS
- REMOVING CONCRETE SIDEWALK

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	REMOVALS	SHEET 53	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021201_RE.DWG
LAYOUT NAME - 021201-re

PLOT DATE : 4/12/2023 1:25 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

204.0245.01
REMOVING STORM SEWER
12-INCH

204.0220
REMOVING INLETS

38'USH'

40'USH'

USH 45 SB

USH 45 NB

204.0280
SEAL PIPE (12-INCH STORM SEWER -
SEAL ONE END OF PIPE PROTRUDING
FROM EXISTING CULVERT PIPE)

204.0245.01
REMOVING STORM SEWER 12-INCH
(LEAVE 1 FOOT OF STORM SEWER
PIPE PROTRUDING FROM EXISTING
CULVERT PIPE)

204.0220
REMOVING INLETS

204.0245.01
REMOVING STORM SEWER
12-INCH

204.0220
REMOVING INLETS

524.0636
APRON ENDWALLS
FOR CULVERT PIPE
SALVAGED 36-INCH

204.0210
REMOVING MANHOLES

204.0245.01
REMOVING STORM SEWER 12-INCH

204.0245.01
REMOVING STORM SEWER 12-INCH

524.0636
APRON ENDWALLS FOR CULVERT
PIPE SALVAGED 36-INCH

204.0220
REMOVING INLETS

RIPRAP

204.0245.01
REMOVING STORM SEWER
12-INCH

204.0220
REMOVING INLETS

1"IP

EXISTING R/W

524.0636
APRON ENDWALLS FOR CULVERT
PIPE SALVAGED 36-INCH

203.0100
REMOVING SMALL PIPE CULVERTS
(2 - 36-INCH CPRC)

203.0100
REMOVING SMALL PIPE CULVERTS
(REMOVE APRON ENDWALLS ONLY)

EXISTING R/W PROPERTY LINE

2.0'

TLE

R/W LINE

421+66.53, 345.90' RT
START OF CLEARING AND GRUBBING LIMITS

204.0245.02
REMOVING STORM SEWER
24-INCH

204.0245.02
REMOVING STORM SEWER
24-INCH

204.0220
REMOVING INLETS

204.0220
REMOVING INLETS

204.0245.01
REMOVING STORM SEWER
12-INCH

204.0245.01
REMOVING STORM SEWER
12-INCH

204.0220
REMOVING INLETS

204.0220
REMOVING INLETS

204.0245.01
REMOVING STORM SEWER
12-INCH

204.0245.02
REMOVING STORM SEWER
24-INCH

20' EASEMENT

V685/P

RAILROAD SIGHT DISTANCE

422+99.24, 53.71' RT
CLEARING AND GRUBBING LIMITS BEND POINT

423+34.29, 15.56' RT
END OF CLEARING AND GRUBBING LIMITS

43+32.43, 296.12' RT
END OF CLEARING AND GRUBBING

FOX VALLEY AND LAKE SUPERIOR RAIL SYSTEM LLC

422'RR4'00"

STH 15 EB

STH 15 WB

102'WB'

104'WB'

100'WB'

LEGEND

- REMOVING CURB AND GUTTER
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- XXXX SAWCUT
- CLEARING AND GRUBBING
- DRIVEWAY REMOVAL
- REMOVING SMALL PIPE CULVERTS
- REMOVING CONCRETE SIDEWALK

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	REMOVALS	SHEET 54	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021201_RE.DWG
LAYOUT NAME - 021202-re

PLOT DATE : 4/12/2023 1:26 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

204.0245.01
REMOVING STORM SEWER 12-INCH
(LEAVE 1 FOOT OF STORM SEWER PIPE
PROTRUDING FROM EXISTING CULVERT PIPE)

USH 45 SB

204.0220
REMOVING INLETS

204.0245.01
REMOVING STORM SEWER 12-INCH
(REMOVE 3 FEET OF STORM SEWER
NORTH OF EXISTING INLET)

48"USH"

46"USH"

44"USH"

204.0220
REMOVING INLETS

USH 45 NB

204.0245.01
REMOVING STORM SEWER
12-INCH

204.0220
REMOVING INLETS

204.0245.02
REMOVING STORM SEWER 18-INCH
(REMOVE 13 FEET OF STORM
SEWER SOUTH OF EXISTING INLET)

EXISTING R/W PROPERTY LINE

47+50.87, 36.73' RT
START OF CLEARING AND GRUBBING LIMITS

204.0280
SEAL PIPE (12-INCH STORM SEWER -
SEAL ONE END OF PIPE PROTRUDING
FROM EXISTING CULVERT PIPE)

FOX VALLEY AND LAKE SUPERIOR RAIL SYSTEM LLC

422RR4+00

EXISTING R/W

RAILROAD SIGHT DISTANCE

43+32.43, 296.12' RT
END OF CLEARING AND GRUBBING LIMITS

LEGEND

- REMOVING CURB AND GUTTER
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- XXXX SAWCUT
- CLEARING AND GRUBBING
- DRIVEWAY REMOVAL
- REMOVING SMALL PIPE CULVERTS
- REMOVING CONCRETE SIDEWALK

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	REMOVALS	SHEET 55	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021201_RE.DWG
LAYOUT NAME - 021203-re

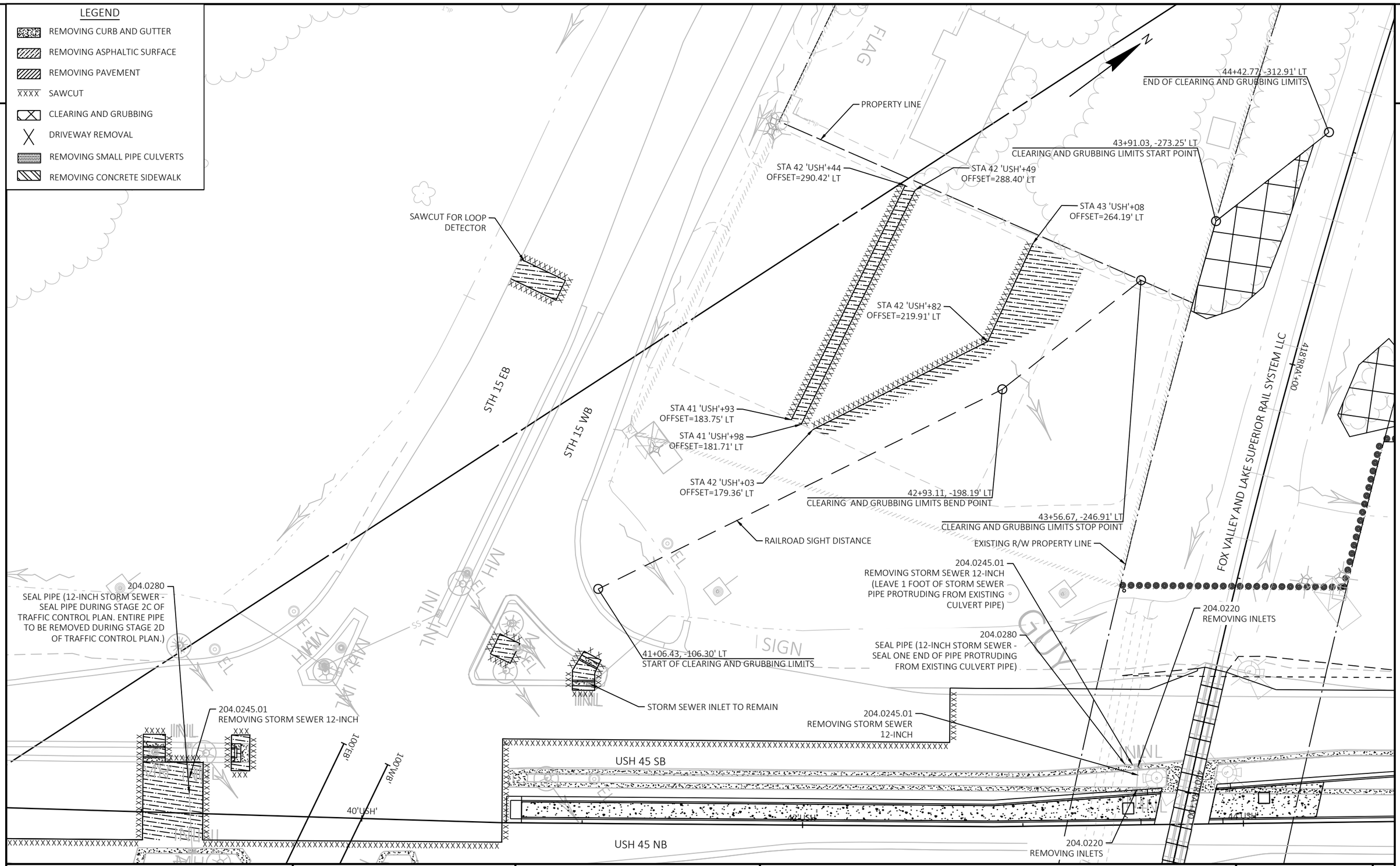
PLOT DATE : 5/16/2023 9:05 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- REMOVING CURB AND GUTTER
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- SAWCUT
- CLEARING AND GRUBBING
- DRIVEWAY REMOVAL
- REMOVING SMALL PIPE CULVERTS
- REMOVING CONCRETE SIDEWALK



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	REMOVALS	SHEET 56 E

2

2

LEGEND

- REMOVING CURB AND GUTTER
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- XXXX SAWCUT
- CLEARING AND GRUBBING
- DRIVEWAY REMOVAL
- REMOVING SMALL PIPE CULVERTS
- REMOVING CONCRETE SIDEWALK

44+80.63, -327.62' LT
END OF CLEARING AND GRUBBING LIMITS

EXISTING R/W PROPERTY LINE

FOX VALLEY AND LAKE SUPERIOR RAIL SYSTEM LLC

PROPERTY LINE

RAILROAD SIGHT DISTANCE

48+34.40, -62.84' LT
START OF CLEARING AND GRUBBING LIMITS

204.0220
REMOVING INLETS

204.0245.01
REMOVING STORM SEWER 12-INCH
(REMOVE 3 FEET OF STORM SEWER
NORTH OF EXISTING INLET)

204.0245.02
REMOVING STORM SEWER 18-INCH
(REMOVE 13 FEET OF STORM
SEWER SOUTH OF EXISTING INLET)

SIGN

SIGN

SIGN

GUY

USH 45 SB

USH 45 NB

46'USH'

48'USH'

50'USH'

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	REMOVALS	SHEET 57	E

2

FOX VALLEY & LAKE SUPERIOR RAIL SYSTEM LLC

422'RRA'+00
424'RRA'+00
426'RRA'+00
428'RRA'+00
430'RRA'+00

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

204.0245.03
REMOVING STORM
SEWER 24-INCH

204.0245.02
REMOVING STORM
SEWER 18-INCH

204.0220
REMOVING INLETS

204.0245.01
REMOVING STORM
SEWER 12-INCH

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(15-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(24-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(24-INCH CPCM)

214.0100
OBLITERATING
OLD ROAD

REMOVING CULVERT PIPE

STA AHEAD = 114+29.00 'WB'
STA BACK = 114+25.48'WB'
EQUATION

WOLF RIVER RUN

RIVER RD

STH 15 WB

STH 15 EB

102'WB'
102'EB'
104'WB'
104'EB'
106'WB'
108'WB'
110'WB'
112'WB'
116'WB'
116'EB'
118'WB'
118'EB'
120'WB'
120'EB'
122'WB'
122'EB'
124'WB'
124'EB'
126'WB'
126'EB'
128'WB'
128'EB'
130'WB'
130'EB'

USH 45 NB
USH 45 SB
USH 45
35 USH
34 USH
33 USH
30 USH

P.L.
R/W
TLE
GUY

LEGEND

- REMOVING CURB AND GUTTER
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- SAWCUT
- CLEARING AND GRUBBING
- DRIVEWAY REMOVAL
- REMOVING SMALL PIPE CULVERTS
- REMOVING CONCRETE SIDEWALK

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	REMOVALS	SHEET 58	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021203_RE.DWG
LAYOUT NAME - 021206_RE

PLOT DATE : 4/12/2023 1:30 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

2

EQUATION
STA AHEAD = 161+59.88 'WB'
STA BACK = 161+07.18 'WB'

LOCATION OF COMMON TEASEL
FIELD VERIFY LIMITS

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

203.0200
REMOVING OLD STRUCTURE
(96" CPCM)
CHECK ON SALVAGING

203.0100
REMOVING SMALL
CULVERT PIPES
(2 - 24-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(48-INCH CPRC)

203.0100
REMOVING SMALL
CULVERT PIPES
(36-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(24-INCH CPCM)

214.0100
OBLITERATING
OLD ROAD

203.0100
REMOVING SMALL
CULVERT PIPES
(20x28-INCH CPCMPA)

214.0100
OBLITERATING
OLD ROAD

203.0100
REMOVING SMALL
CULVERT PIPES
(15-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(15-INCH CPCM)

STH 15 WB
STH 15 EB
CROSS RD
LEDGE HILL RD
MOUNT OLIVET CEMETERY

LEGEND

- REMOVING CURB AND GUTTER
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- XXXX SAWCUT
- CLEARING AND GRUBBING
- DRIVEWAY REMOVAL
- REMOVING SMALL PIPE CULVERTS
- REMOVING CONCRETE SIDEWALK

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	REMOVALS	SHEET 59	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021203_RE.DWG
LAYOUT NAME - 021207_RE
PLOT DATE : 4/12/2023 1:31 PM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

2

2

109
7/8" IRON REBAR
Y 597859.49
X 749026.31

T 22 N
20
29
R 15 E

N

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

LOCATION OF PHRAGMITES
FIELD VERIFY LIMITS

TLE

R/W

164'WB' 166'WB' 168'WB' 170'WB' 172'WB' 174'WB' 176'WB' 178'WB' 180'WB' 182'WB' 184'WB' 186'WB' STH 15 WB 188'WB' 190'WB' 192'WB' 194'WB'

164'EB' 166'EB' 168'EB' 170'EB' 172'EB' 174'EB' 176'EB' 178'EB' 180'EB' 182'EB' 184'EB' 186'EB' 188'EB' 190'EB' 192'EB' 194'EB'

STH 15 EB

GUY

SIGN

P.L.

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

12-INCH CPCM
TO REMAIN

203.0100
REMOVING SMALL
CULVERT PIPES
(24-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(30-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(24-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

LOT 2
CSM 7073
V42/P7073
DOC. 2055896

LOT 3
CSM 7073
V42/P7073
DOC. 2055896

LEGEND

- REMOVING CURB AND GUTTER
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- XXXX SAWCUT
- CLEARING AND GRUBBING
- DRIVEWAY REMOVAL
- REMOVING SMALL PIPE CULVERTS
- REMOVING CONCRETE SIDEWALK

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	REMOVALS	SHEET 60	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021203_RE.DWG
LAYOUT NAME - 021208_RE

PLOT DATE : 4/12/2023 1:32 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

2

N

STA AHEAD = 218+40.44 'WB'
STA BACK = 218+78.08'WB'
EQUATION

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(36-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(38x57-INCH CPCMPA)

STH 15 WB

STH 15 EB

LEGEND

- REMOVING CURB AND GUTTER
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- SAWCUT
- CLEARING AND GRUBBING
- DRIVEWAY REMOVAL
- REMOVING SMALL PIPE CULVERTS
- REMOVING CONCRETE SIDEWALK

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	REMOVALS	SHEET 61	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021203_RE.DWG
LAYOUT NAME - 021209_RE

PLOT DATE : 4/12/2023 1:33 PM

PLOT BY : CAMPSHURE, MICHAEL R

PLOT NAME :

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

2

N

203.0100
REMOVING SMALL
CULVERT PIPES
(15-INCH CPCM)

203.0200
REMOVING OLD
STRUCTURE
(4x4-FEET
CONCRETE BOX)

203.0200
REMOVING OLD STRUCTURE
(4x4-FEET CONCRETE BOX)

203.0100
REMOVING SMALL
CULVERT PIPES
(2 - 18-INCH CPCM)

SPV.0180.02
REMOVING CONCRETE
FROM STREAMBED

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

GRUBBING ONLY FROM
STA 245'WB'+00 TO STA 252'WB'+00
(CLEARING OCCURRED IN 2022)

203.0100
REMOVING SMALL
CULVERT PIPES
(18-INCH CPCM)

EQUATION
STA AHEAD = 256+92.48 'WB'
STA BACK = 256+69.34'WB'

END PROJECT
STA 256+00.00'EB'

203.0100
REMOVING SMALL
CULVERT PIPES
(36-INCH CPCM)

STH 15 WB

STH 15 EB

KELLY DRIVE

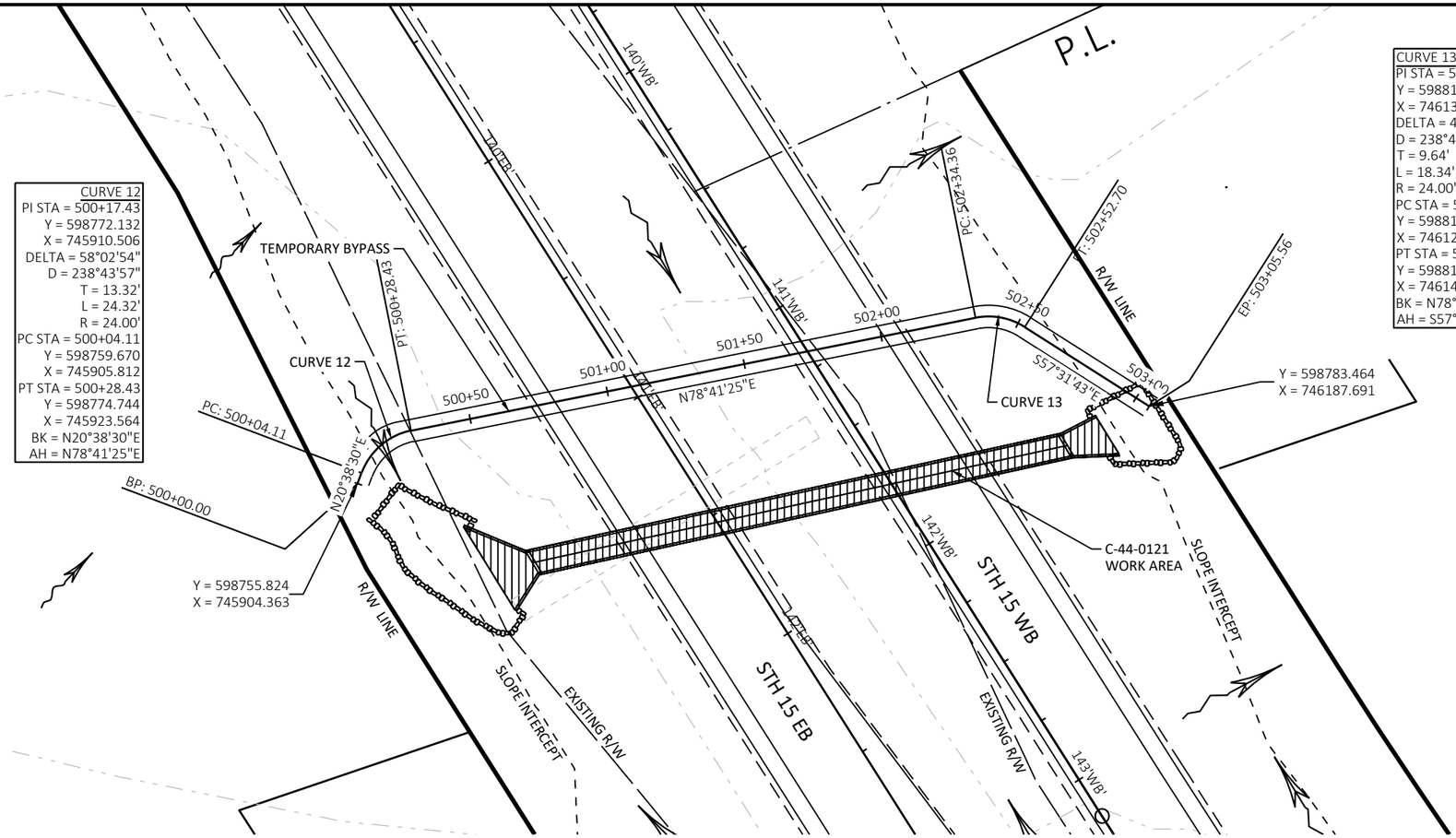
LEGEND

- REMOVING CURB AND GUTTER
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- SAWCUT
- CLEARING AND GRUBBING
- DRIVEWAY REMOVAL
- REMOVING SMALL PIPE CULVERTS
- REMOVING CONCRETE SIDEWALK

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	REMOVALS	SHEET 62	E

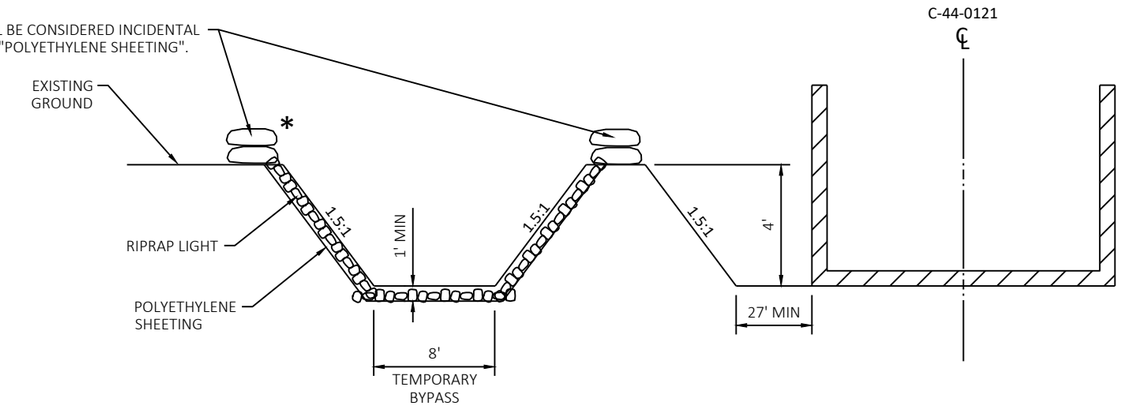
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021203_RE.DWG
LAYOUT NAME - 021210_RE

PLOT DATE : 4/12/2023 1:34 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:200 FT



PLAN VIEW TEMPORARY BYPASS

(1 INCH = 50 FT)



* EDGES OF CHANNEL LINER SHALL BE TRENCHED AND SECURED BY SAND BAGS.

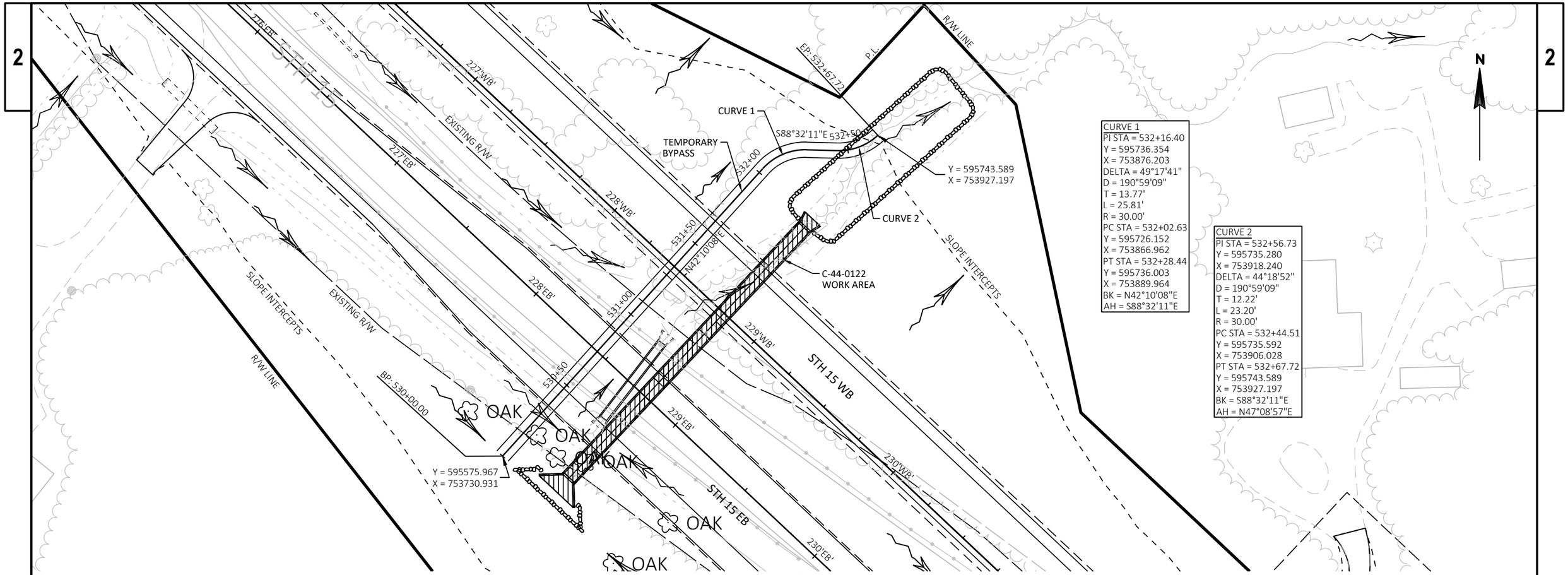
TYPICAL SECTION TEMPORARY BYPASS

NOTES

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

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

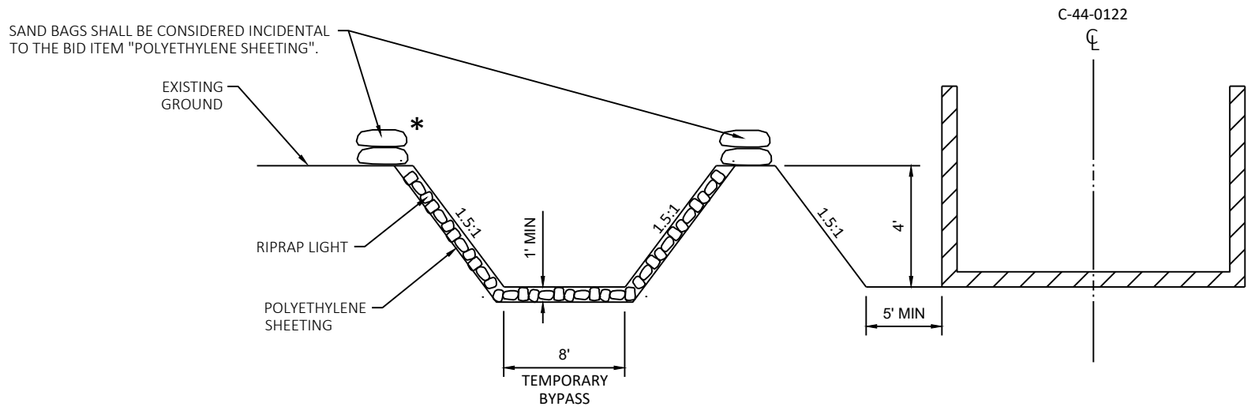
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TEMPORARY BYPASS DETAILS (C-44-0121)	SHEET 63	E



PLAN VIEW TEMPORARY BYPASS

(1 INCH = 50 FT)

*EDGES OF CHANNEL LINER SHALL BE TRENCHED AND SECURED BY SAND BAGS.



TYPICAL SECTION TEMPORARY BYPASS

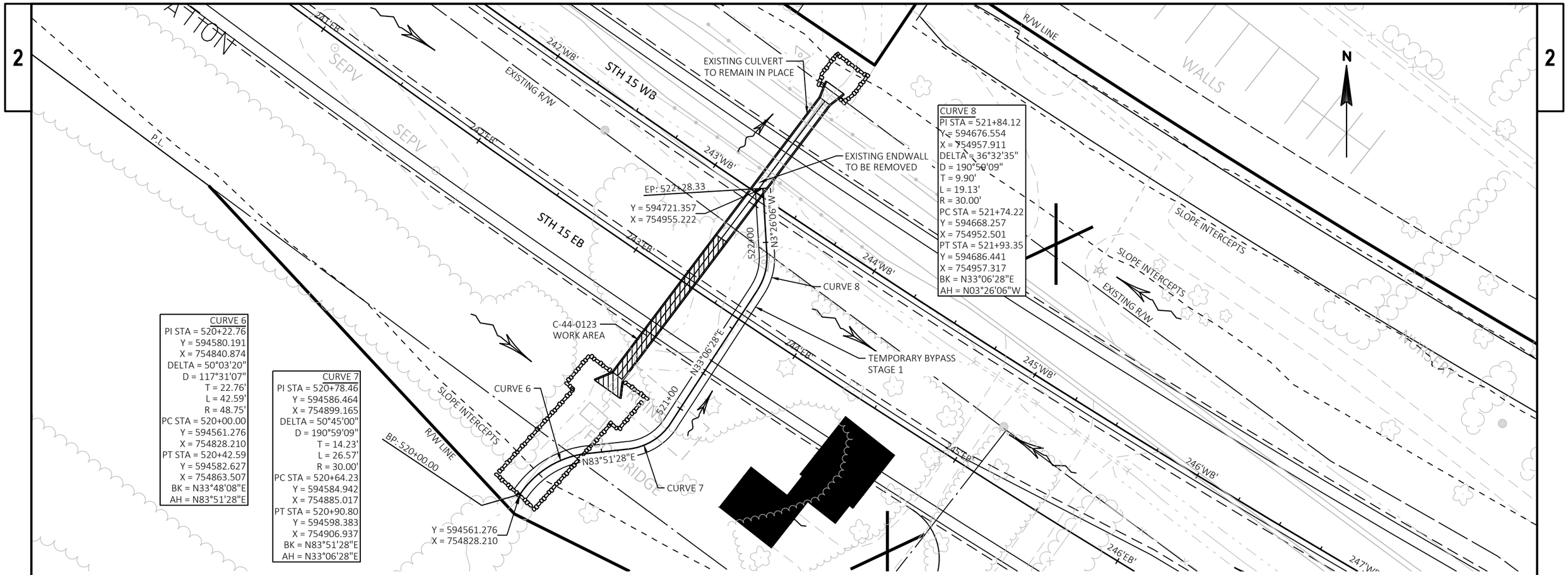
(1 INCH = 10 FT)

NOTES

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

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

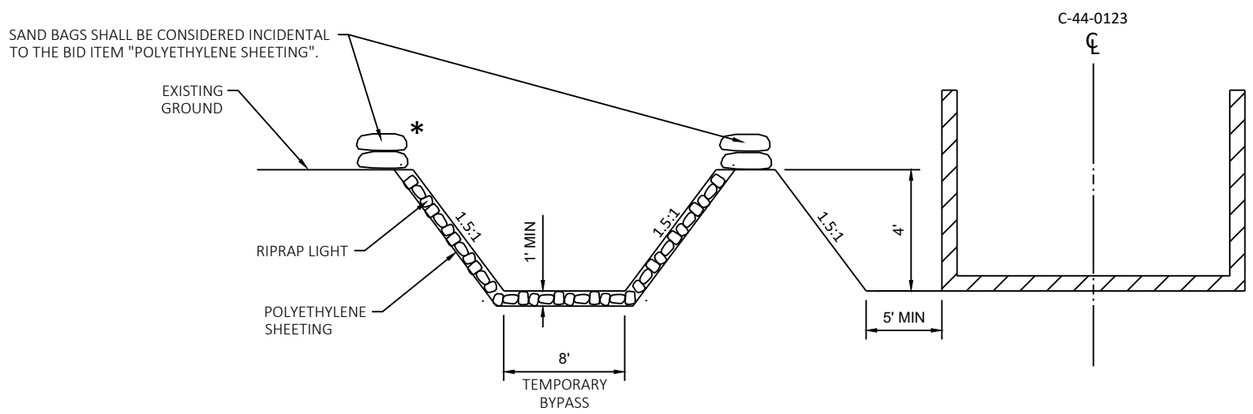
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TEMPORARY BYPASS DETAILS (C-44-0122)	SHEET 64	E



PLAN VIEW TEMPORARY BYPASS - STAGE 1

(1 INCH = 50 FT)

*EDGES OF CHANNEL LINER SHALL BE TRENCHED AND SECURED BY SAND BAGS.



TYPICAL SECTION TEMPORARY BYPASS

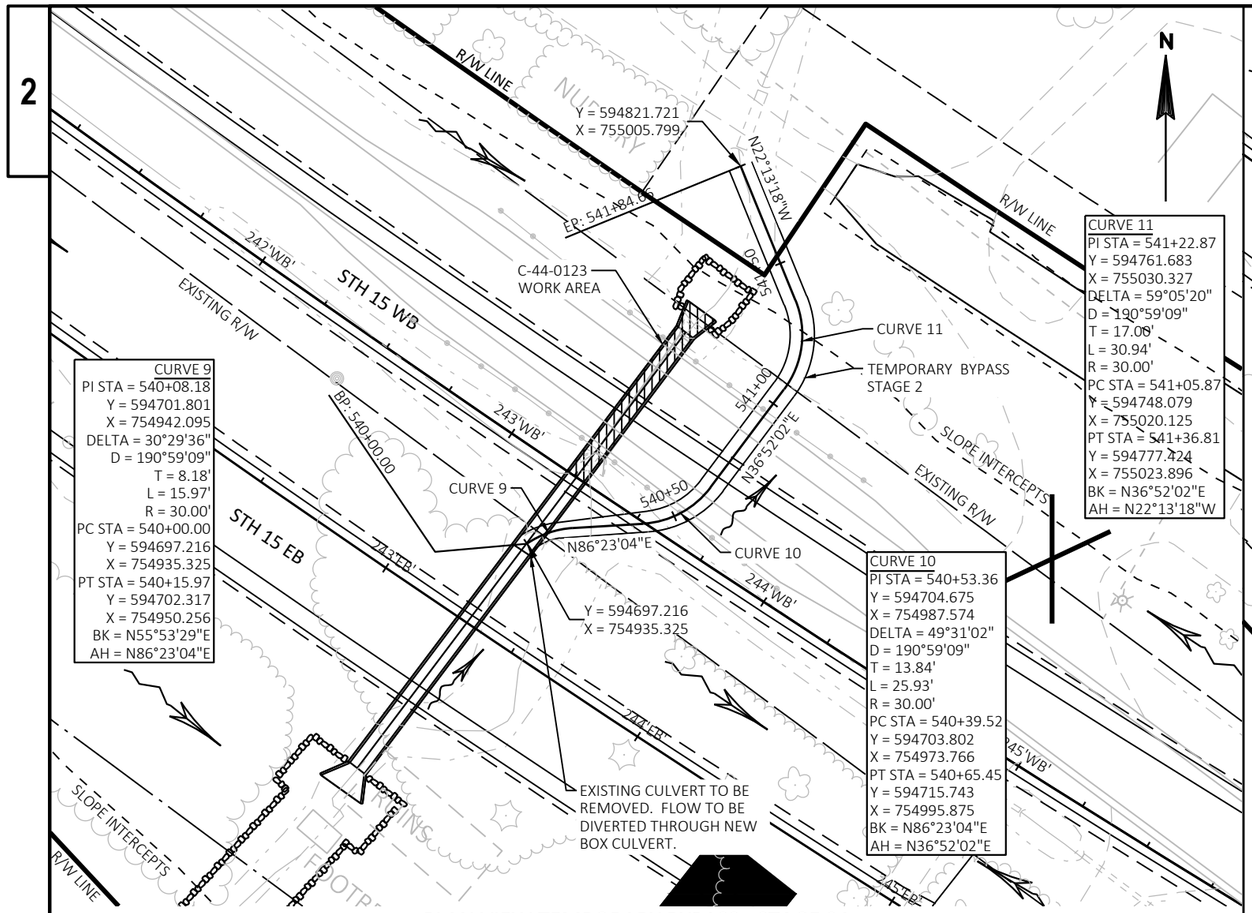
(1 INCH = 10 FT)

NOTES

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

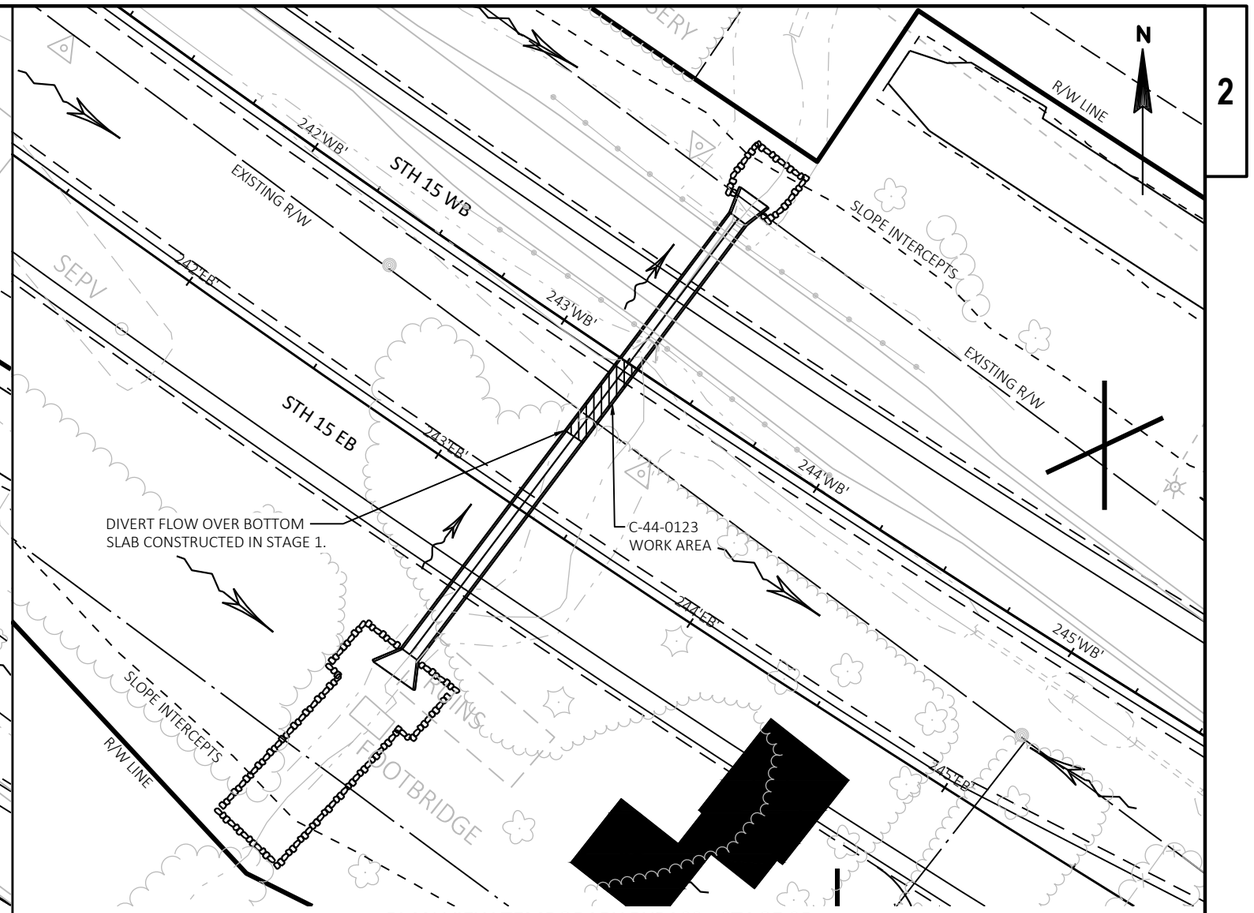
SUBMIT A WATER DIVERSION PLAN TO THE ENGINEER IF CONTRACTOR CHOOSES A DIFFERENT METHOD THAN WHAT IS SHOWN IN THE SCHEMATIC.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TEMPORARY BYPASS DETAILS (C-44-0123)	SHEET 65	E



PLAN VIEW TEMPORARY BYPASS - STAGE 2A

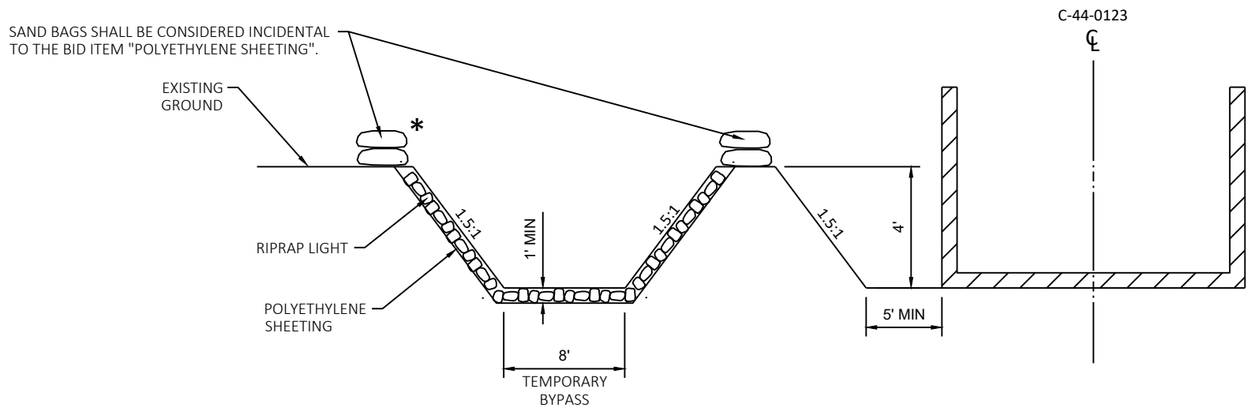
(1 INCH = 50 FT)



PLAN VIEW TEMPORARY BYPASS - STAGE 2B

(1 INCH = 50 FT)

* EDGES OF CHANNEL LINER SHALL BE TRENCHED AND SECURED BY SAND BAGS.



TYPICAL SECTION TEMPORARY BYPASS

(1 INCH = 10 FT)

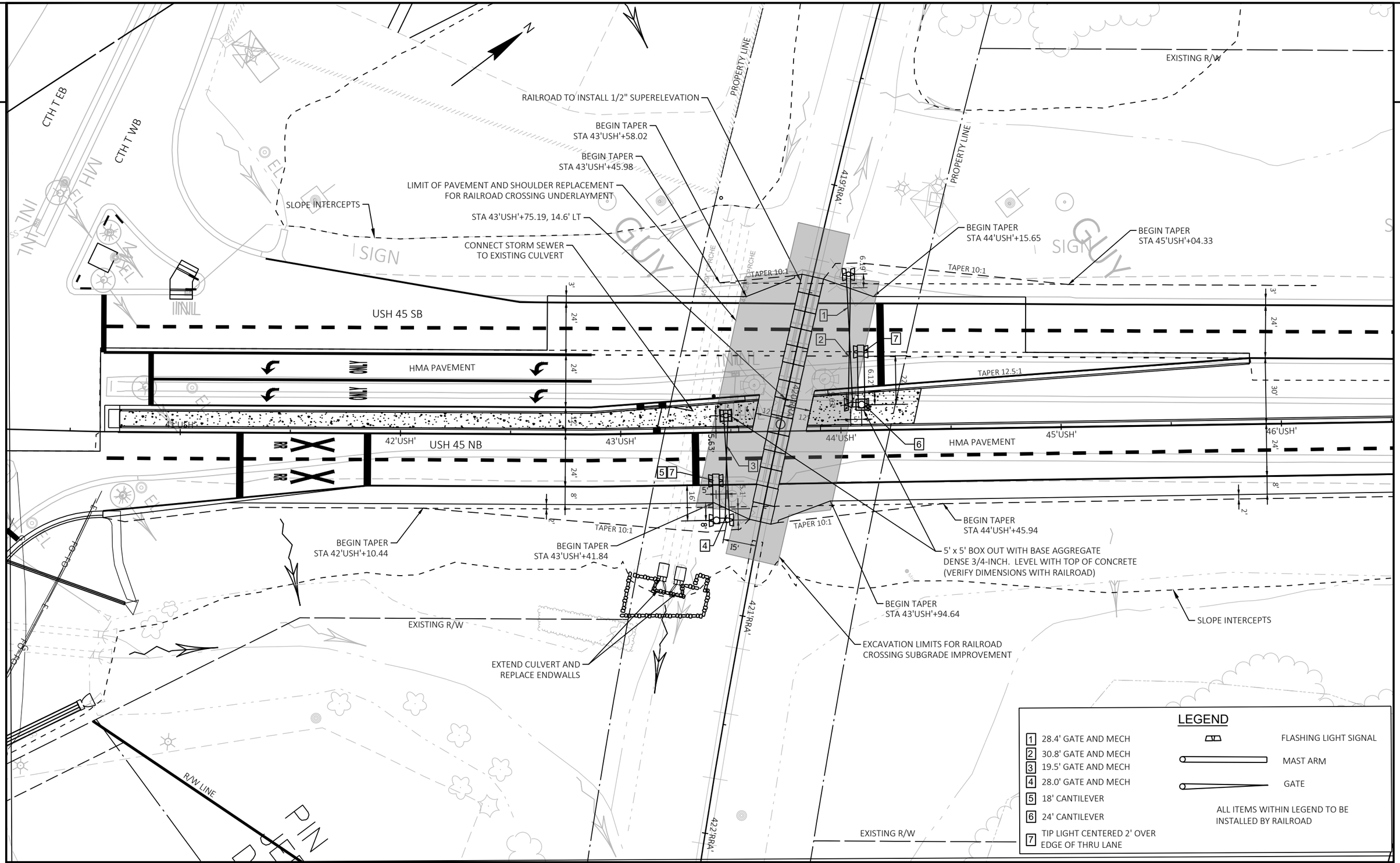
NOTES

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

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

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TEMPORARY BYPASS DETAILS (C-44-0123)	SHEET 66	E

2



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	RAILROAD CROSSING - USH 45	SHEET 67	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021013_CD.DWG
LAYOUT NAME - 021014_cd
PLOT DATE : 5/15/2023 3:32 PM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

SLOPE INTERCEPTS

FOX VALLEY AND LAKE SUPERIOR RAIL SYSTEM LLC

STA 419'RRA'+25.30, 10.35' RT
INVERT = 766.74

STA 419'RRA'+25.00, 10.00' LT
BOTTOM OF SELECT CRUSHED
MATERIAL ELEVATION = 767.21

PROPERTY LINE

PROPERTY LINE

STA 419'RRA'+48.12, 9.98' RT
INVERT = 766.63

PIPE UNDERDRAIN RAILROAD
6-INCH PERFORATED
SLOPED AT 0.50%

STA 419'RRA'+50.00, 10.00' LT
BOTTOM OF SELECT CRUSHED
MATERIAL ELEVATION = 766.92

USH 45 SB

STA 419'RRA'+75.00, 10.00' LT
BOTTOM OF SELECT CRUSHED
MATERIAL ELEVATION = 766.90

420'RRA'

43'USH'

44'USH'

45'USH'

USH 45 NB

STA 420'RRA'+16.71, 9.70' RT
INVERT = 766.29

STA 420'RRA'+00.00, 10.00' LT
BOTTOM OF SELECT CRUSHED
MATERIAL ELEVATION = 766.88

STA 420'RRA'+25.00, 10.00' LT
BOTTOM OF SELECT CRUSHED
MATERIAL ELEVATION = 767.16

STA 420'RRA'+50.00, 10.01' RT
INVERT = 766.17

STA 420'RRA'+50.00, 10.00' LT
BOTTOM OF SELECT CRUSHED
MATERIAL ELEVATION = 767.13

STA 420'RRA'+68.21, 10.30' RT
INVERT = 766.08
30° ANGLE

STA 420'RRA'+86.30, 21.42' LT
INVERT = 765.97

STA 420'RRA'+72.71, 10.00' LT
BOTTOM OF SELECT CRUSHED
MATERIAL ELEVATION = 767.17

STA 420'RRA'+71.70, 10.00' RT
BOTTOM OF SELECT CRUSHED
MATERIAL ELEVATION = 766.77

SLOPE INTERCEPTS

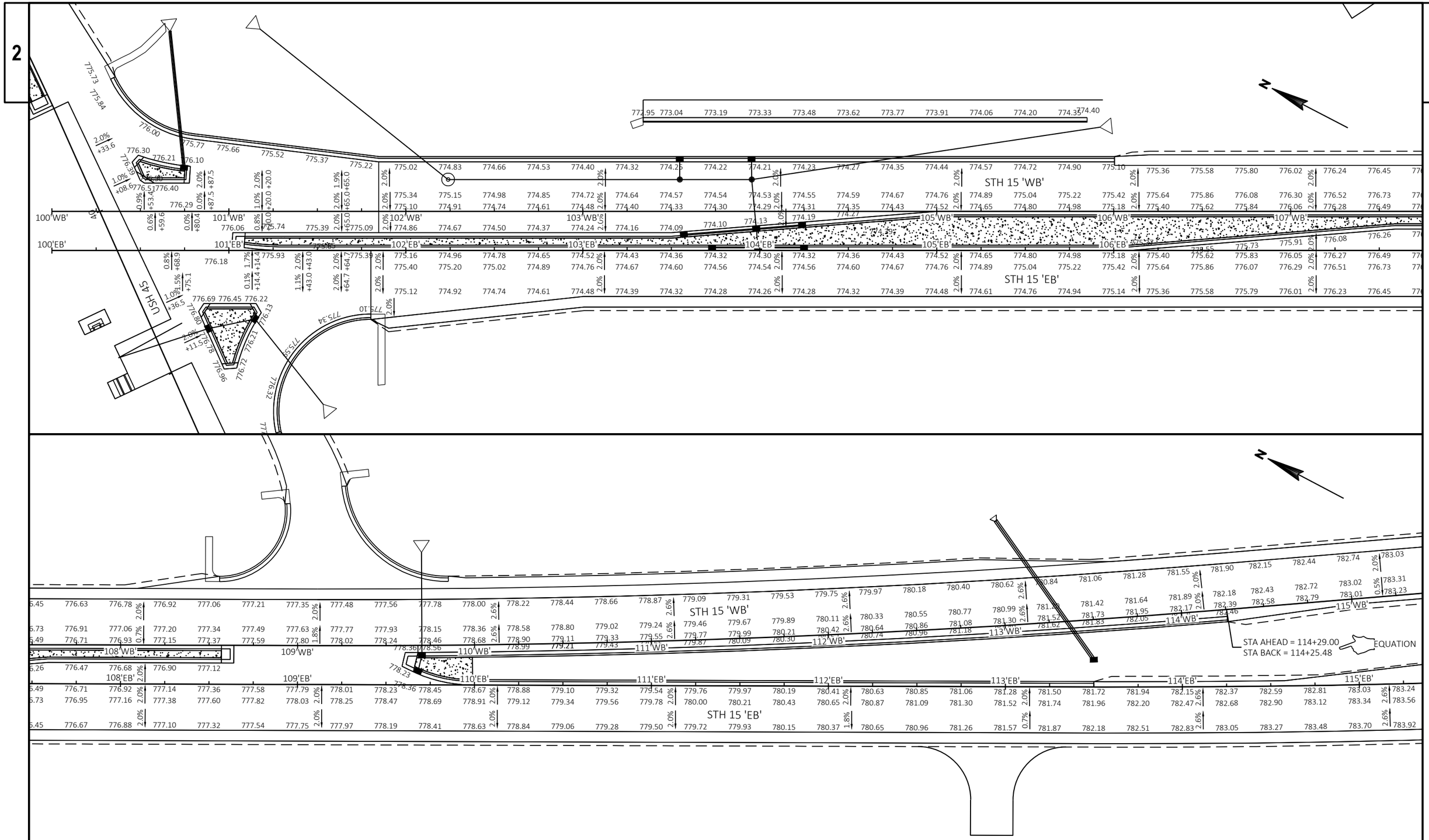
421'RRA'

1"IP

N

2

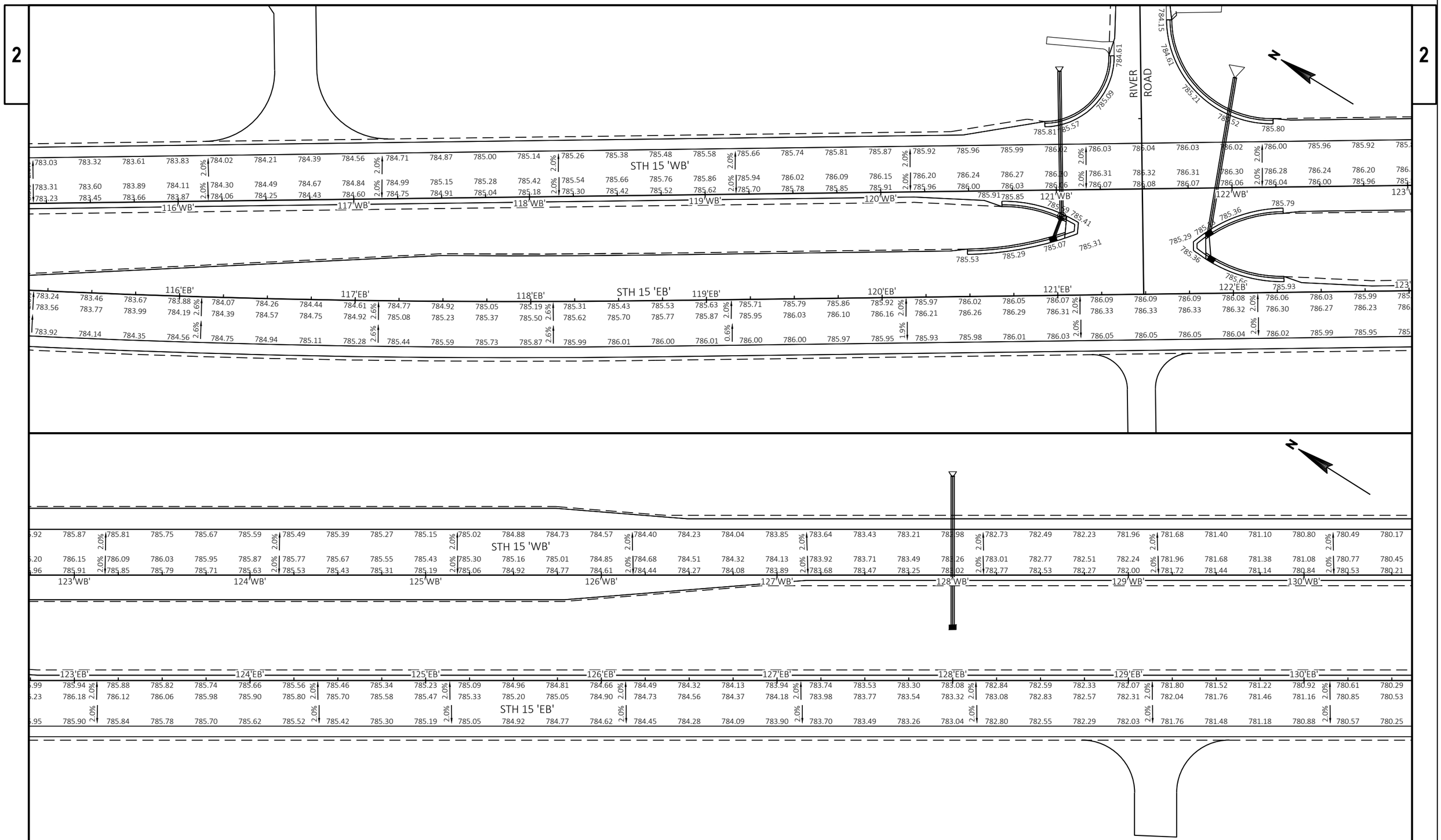
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	RAILROAD CROSSING - USH 45 - SUBGRADE IMPROVEMENT	SHEET 68	E



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 69	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021201_PG.DWG
LAYOUT NAME - 021201_pg

PLOT DATE : 4/20/2023 2:26 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:50 FT

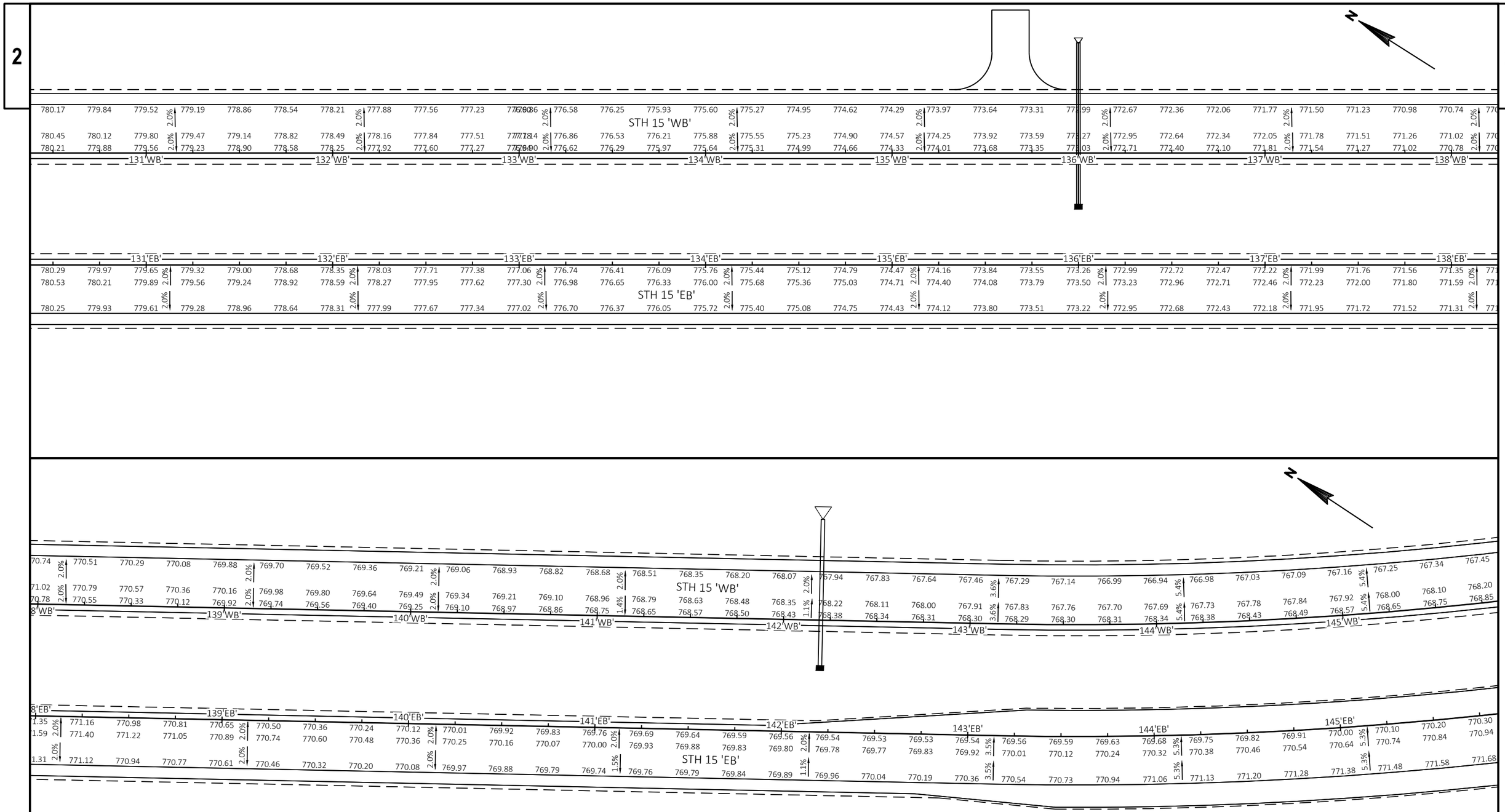


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 70	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021201_PG.DWG
LAYOUT NAME - 021202_pg

PLOT DATE : 4/20/2023 2:26 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

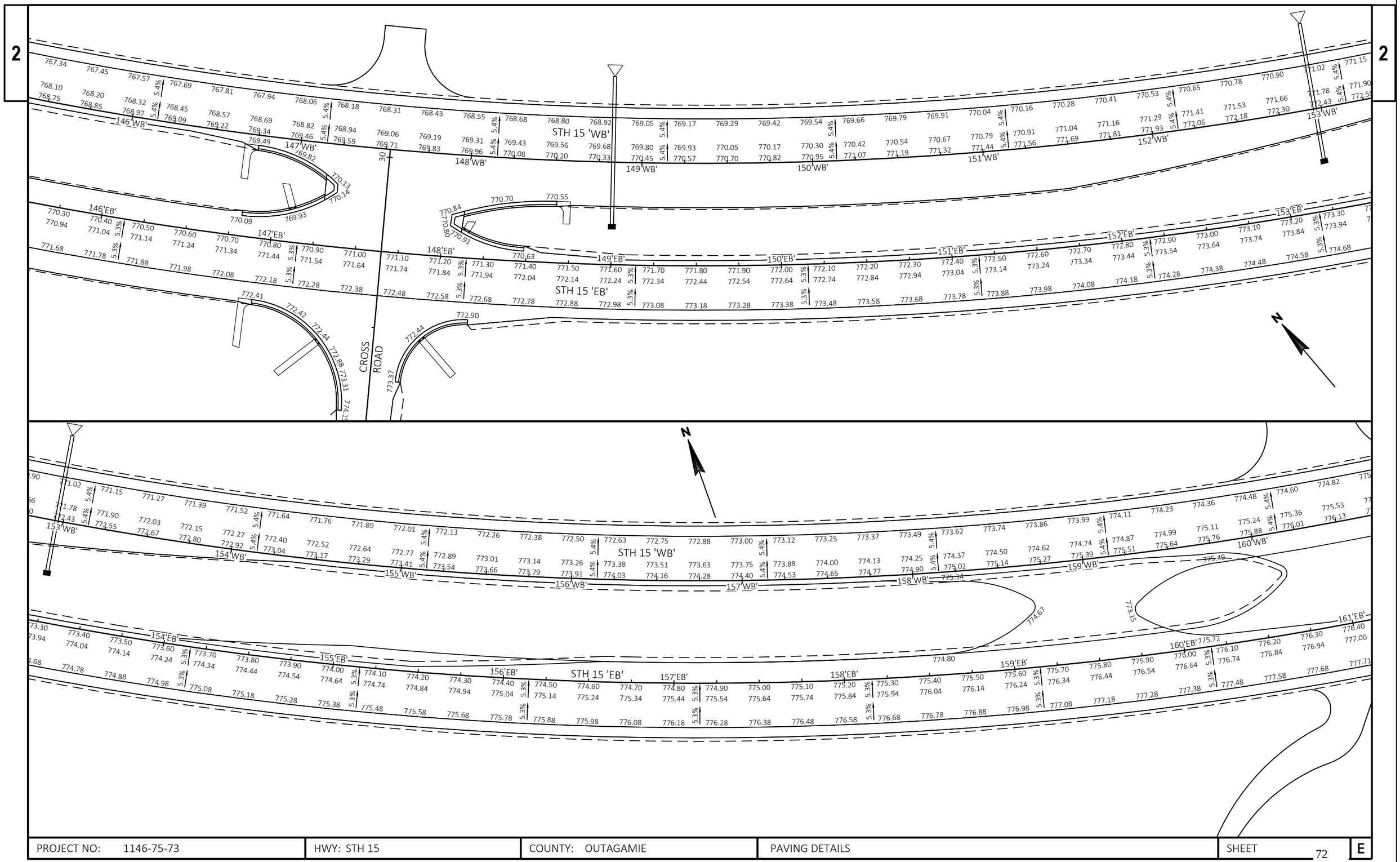


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 71	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021201_PG.DWG
LAYOUT NAME - 021203_pg

PLOT DATE : 4/20/2023 2:26 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

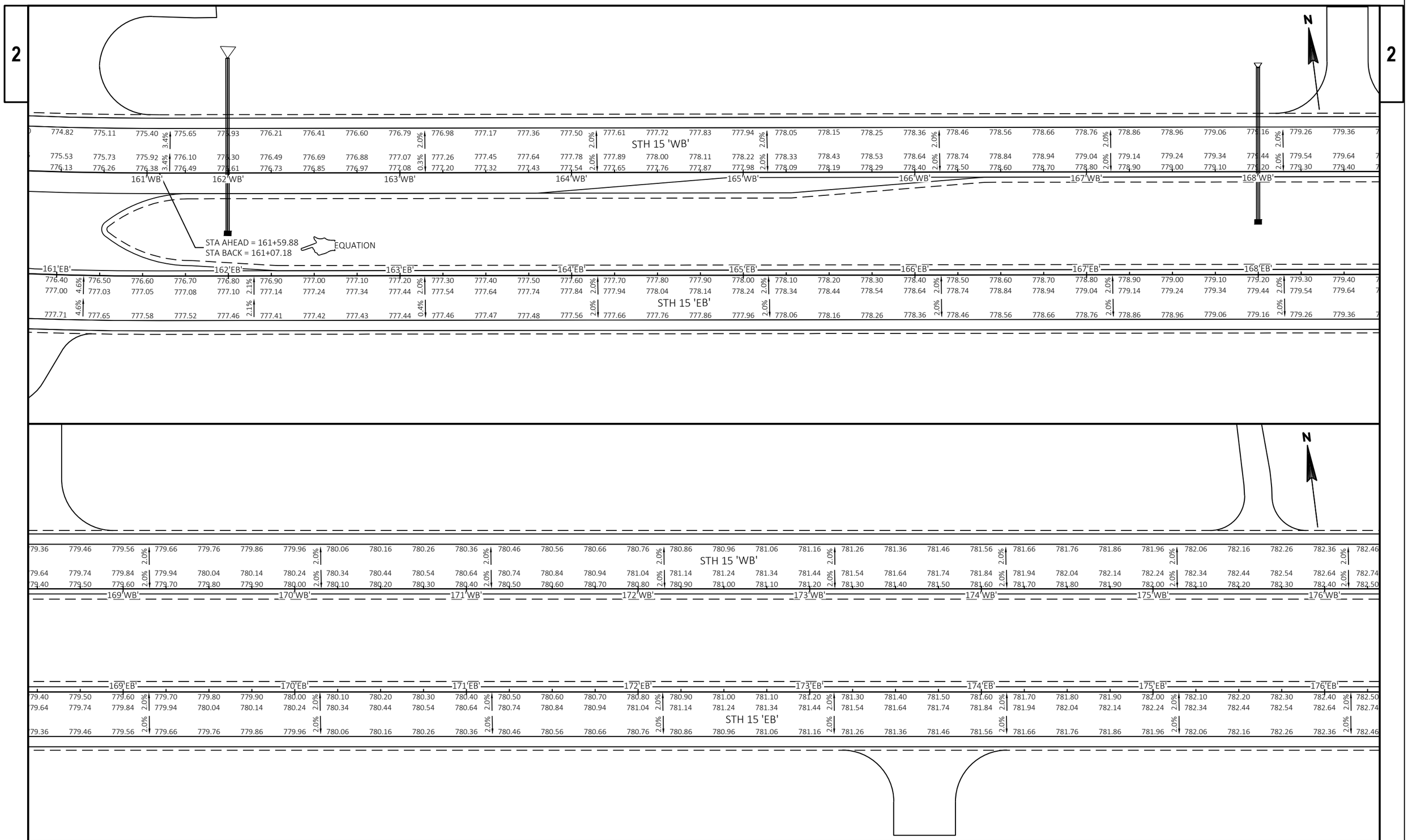


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 72	E

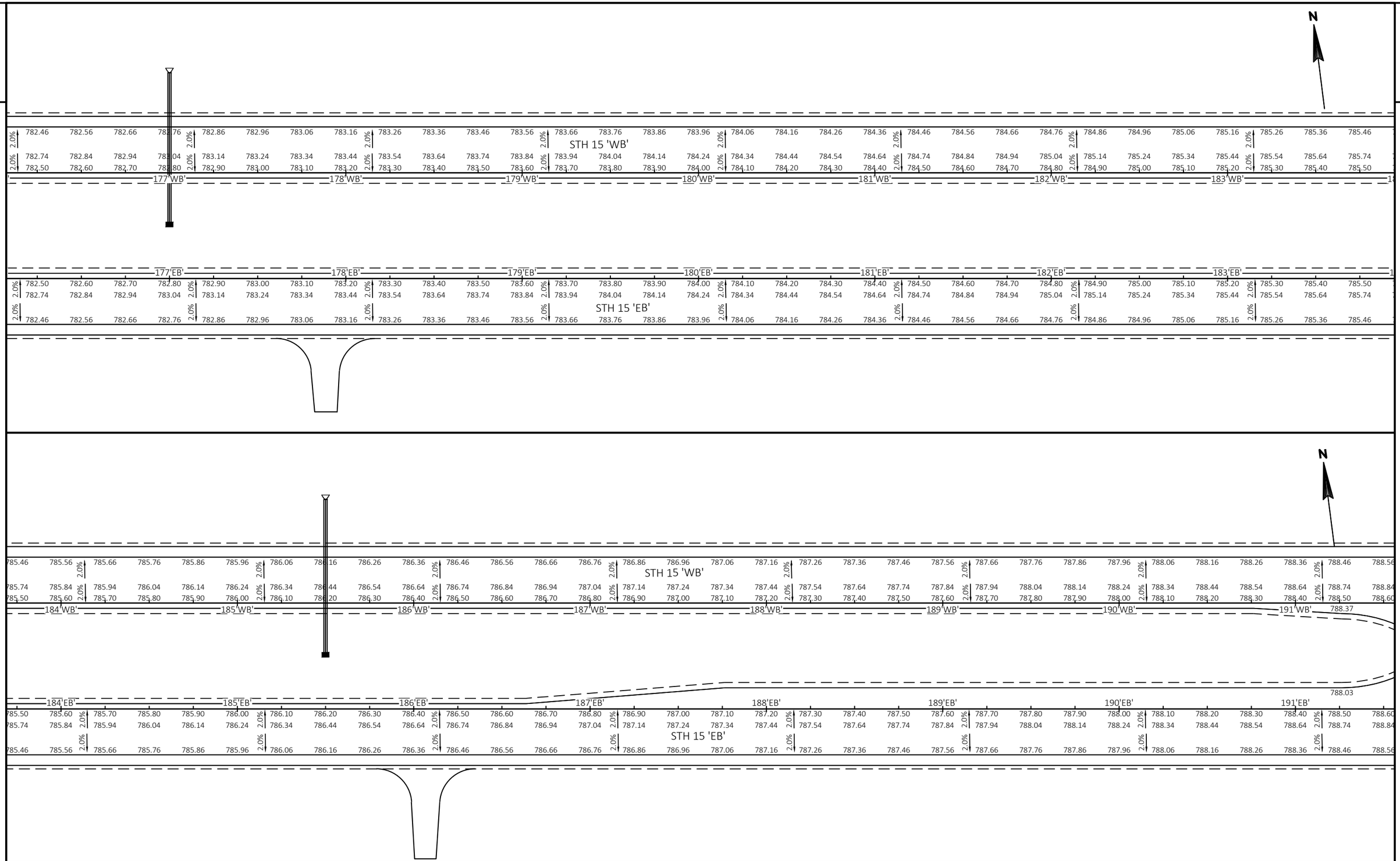
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021201_PG.DWG
LAYOUT NAME - 021204_pg

PLOT DATE : 4/20/2023 2:26 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44



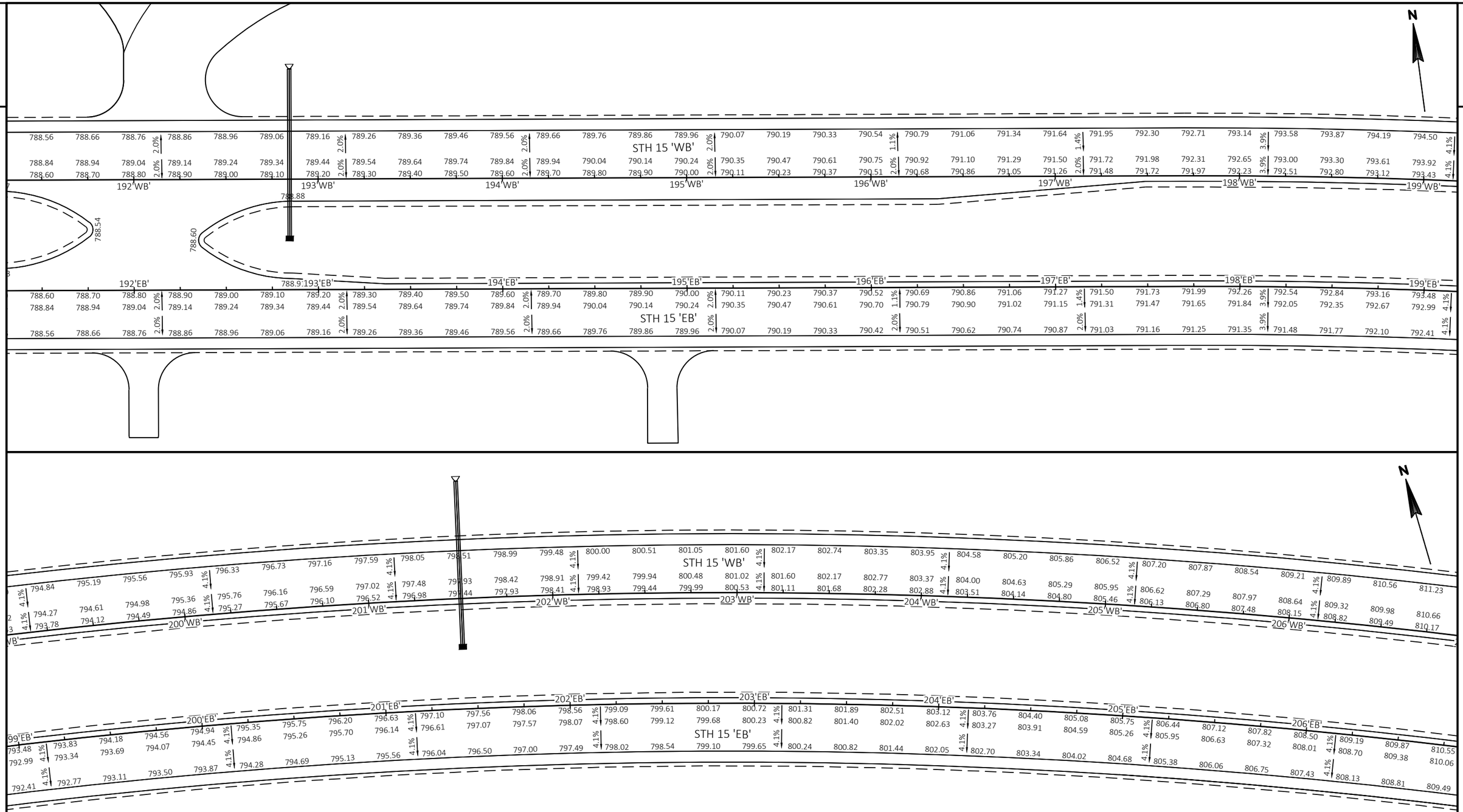
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 73	E



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 74	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021201_PG.DWG
LAYOUT NAME - 021206_pg

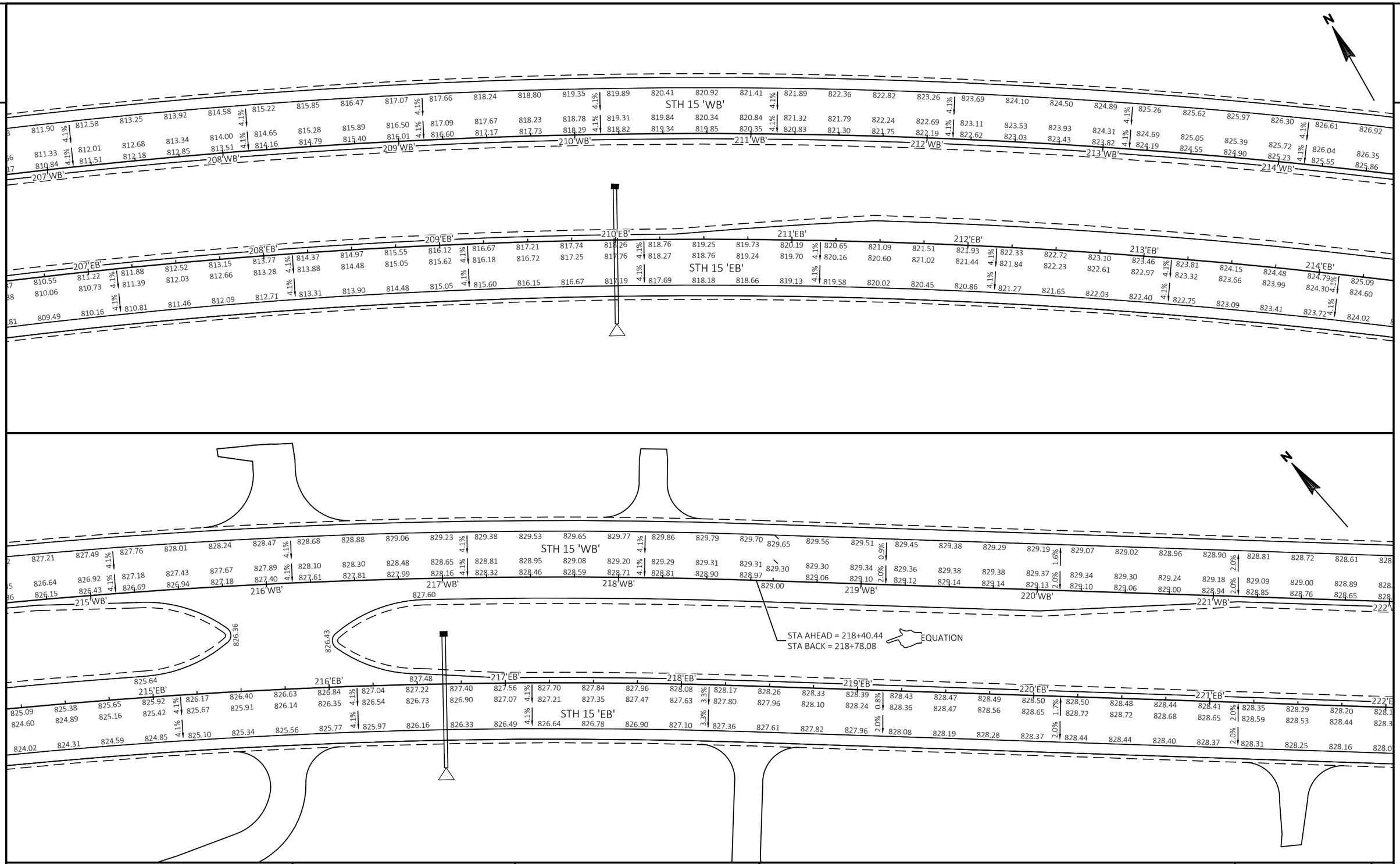
PLOT DATE : 4/20/2023 2:26 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : ##########



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 75	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021201_PG.DWG
LAYOUT NAME - 021207_pg

PLOT DATE : 4/20/2023 2:26 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : ##########



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 76	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021201_PG.DWG
LAYOUT NAME - 021208_pg

PLOT DATE : 4/20/2023 2:26 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

2

N

828.49 2.0% 828.35 828.20 828.04 827.87 2.0% 827.67 827.47 827.25 827.03 2.0% 826.78 826.52 826.25 825.98 2.0% 825.70 825.42 825.15 824.87 2.0% 824.59 824.32 824.04 823.76 2.0% 823.49 823.21 822.93 822.66 2.0% 822.38 822.10 821.83 821.55 2.0% 821.27 821.00

828.77 2.0% 828.63 828.48 828.32 828.15 2.0% 827.95 827.75 827.53 827.31 2.0% 827.06 826.80 826.53 826.26 2.0% 825.98 825.70 825.43 825.15 2.1% 824.87 824.60 824.32 824.04 2.0% 823.77 823.49 823.21 822.94 2.0% 822.66 822.38 822.11 821.83 2.0% 821.55 821.28

828.53 2.0% 828.39 828.24 828.08 827.91 2.0% 827.71 827.51 827.29 827.07 2.0% 826.82 826.56 826.29 826.02 2.0% 825.74 825.46 825.19 824.91 2.1% 824.63 824.36 824.08 823.80 2.0% 823.53 823.25 822.97 822.70 2.0% 822.42 822.14 821.87 821.59 2.0% 821.31 821.04

STH 15 'WB'

222'WB' 223'WB' 224'WB' 225'WB' 226'WB' 227'WB' 228'WB' 229'WB'

222'EB' 223'EB' 224'EB' 225'EB' 226'EB' 227'EB' 228'EB' 229'EB'

828.11 2.0% 828.00 827.89 827.75 827.62 2.0% 827.45 827.29 827.10 826.91 2.0% 826.70 826.49 826.25 826.01 2.0% 825.75 825.48 825.21 824.93 2.0% 824.65 824.38 824.10 823.82 2.0% 823.54 823.27 822.99 822.71 2.0% 822.44 822.16 821.88 821.61 2.0% 821.33 821.05

828.35 2.0% 828.24 828.13 827.99 827.86 2.0% 827.69 827.53 827.34 827.15 2.0% 826.94 826.73 826.49 826.25 2.0% 825.99 825.72 825.45 825.17 2.0% 824.89 824.62 824.34 824.06 2.0% 823.78 823.51 823.23 822.95 2.0% 822.68 822.40 822.12 821.85 2.0% 821.57 821.29

828.07 2.0% 827.96 827.85 827.71 827.58 2.0% 827.41 827.25 827.06 826.87 2.0% 826.66 826.45 826.21 825.97 2.0% 825.71 825.44 825.17 824.89 2.0% 824.61 824.34 824.06 823.78 2.0% 823.50 823.23 822.95 822.67 2.0% 822.40 822.12 821.84 821.57 2.0% 821.29 821.01

STH 15 'EB'

821.00 820.72 820.45 2.0% 820.17 819.89 819.62 819.34 2.0% 819.06 818.79 818.51 818.23 2.0% 817.90 817.55 817.20 816.84 2.0% 816.49 816.14 815.65 815.12 3.6% 814.85 814.57 814.30 814.02 3.6% 813.74 813.47 813.19 812.91 3.6% 812.64 812.36 812.09 811.81 3.6% 811

821.28 821.00 820.73 2.0% 820.45 820.17 819.90 819.62 2.0% 819.34 819.07 818.79 818.51 1.8% 818.18 817.83 817.48 817.12 0.7% 816.77 816.42 816.02 815.63 3.6% 815.35 815.08 814.80 814.52 3.6% 814.25 813.97 813.70 813.42 3.6% 813.14 812.86 812.59 812.31 3.6% 812

821.04 820.76 820.49 2.0% 820.21 819.93 819.66 819.38 2.0% 819.10 818.83 818.55 818.27 1.8% 818.00 817.72 817.44 817.17 0.7% 816.89 816.61 816.34 816.06 3.6% 815.78 815.51 815.23 814.95 3.6% 814.68 814.40 814.12 813.85 3.6% 813.57 813.30 813.02 812.74 3.6% 812

230'WB' 231'WB' 232'WB' 233'WB' 234'WB' 235'WB' 236'WB' 237'WB'

818.87 818.73 818.56 818.53 818.48 818.62 818.82

816.93 816.51 817.38 817.35 817.22

230'EB' 231'EB' 232'EB' 233'EB' 234'EB' 235'EB' 236'EB' 237'EB'

821.05 820.78 820.50 2.0% 820.22 819.95 819.67 819.39 2.0% 819.12 818.84 818.56 818.29 2.0% 818.01 817.73 817.46 817.18 2.0% 816.90 816.63 816.35 816.07 3.6% 815.80 815.52 815.24 814.96 3.6% 814.69 814.41 814.14 813.86 3.6% 813.58 813.30 813.03 812.75 3.6% 812

821.29 821.02 820.74 2.0% 820.46 820.19 819.91 819.63 819.36 819.08 818.80 818.53 2.0% 818.25 817.97 817.70 817.42 2.0% 817.14 816.87 816.66 816.50 3.6% 816.23 815.95 815.67 815.40 3.6% 815.12 814.84 814.57 814.29 3.6% 814.01 813.74 813.46 813.18 3.6% 812

821.01 820.74 820.46 2.0% 820.18 819.91 819.63 819.35 2.0% 819.08 818.80 818.52 818.25 1.7% 818.04 817.85 817.66 817.47 0.8% 817.28 817.09 817.03 817.01 3.6% 816.73 816.45 816.18 815.90 3.6% 815.63 815.35 815.07 814.79 3.6% 814.52 814.24 813.96 813.69 3.6% 813

STH 15 'EB'

818.73 817.80 817.11 819.42 821.50

817.49 817.69 819.07

KELLY DRIVE

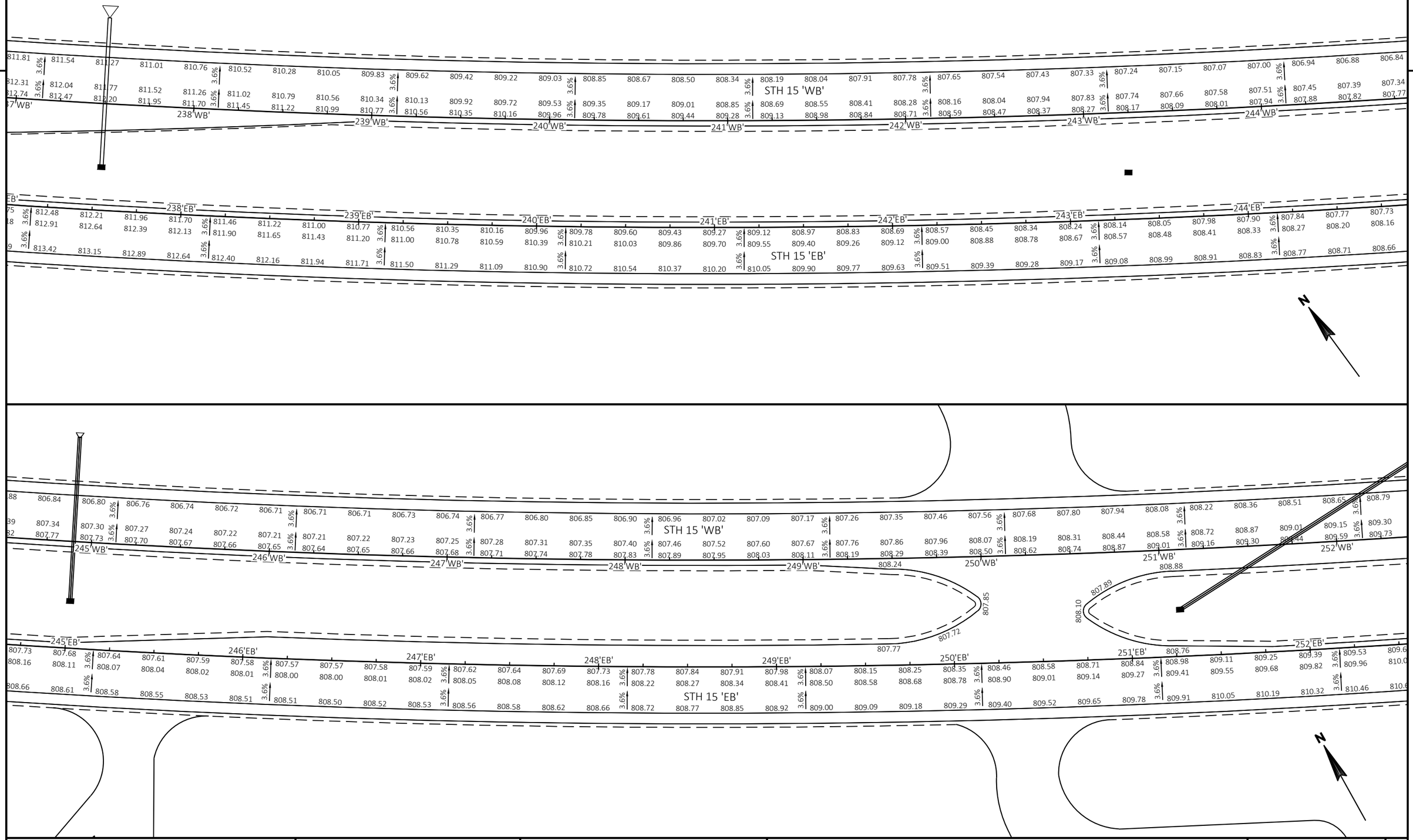
N

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 77	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021201_PG.DWG
LAYOUT NAME - 021209_pg

PLOT DATE : 4/20/2023 2:26 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

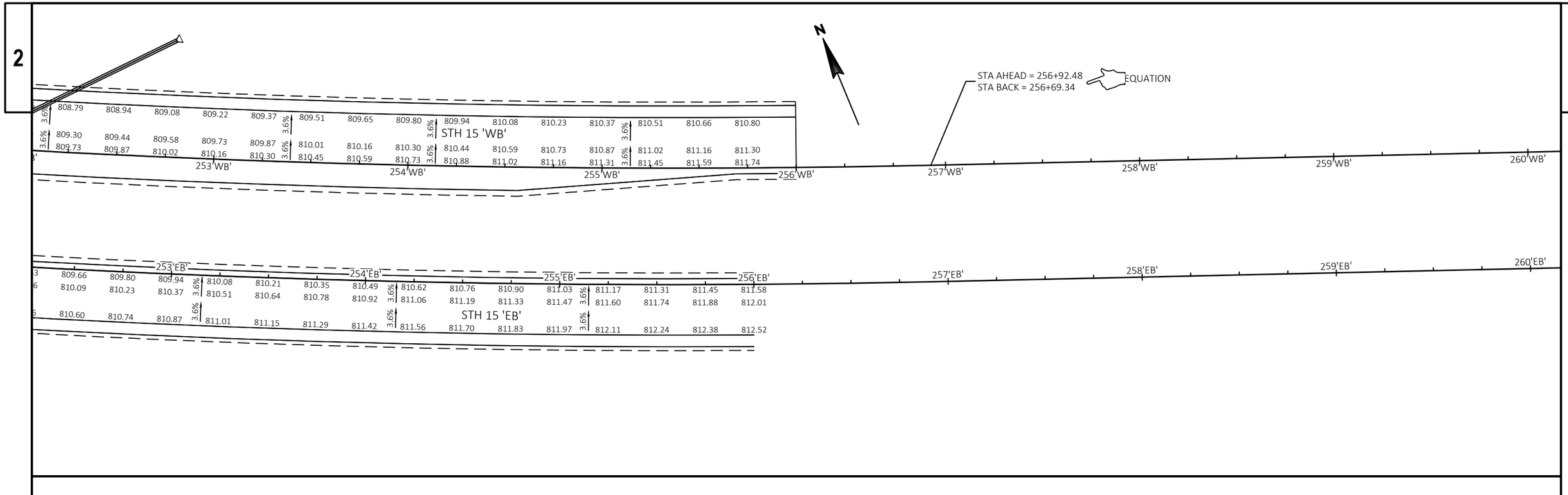


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 78	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\021201_PG.DWG
LAYOUT NAME - 021210_pg

PLOT DATE : 4/20/2023 2:27 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44



2

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVING DETAILS	SHEET 79	E

2

2

N

SIGN

USH 45 SB

USH 45 NB

STA 42'USH'+66.41
-62.68' LT
TOP OF HMA PAVEMENT
EL 772.22

STA 42'USH'+97.44
-62.52' LT
EL 771.79

STA 43'USH'+25
-62.03' LT
EL 771.40

STA 43'USH'+50
-61.51' LT
EL 771.04

STA 43'USH'+58.02
-61.33' LT
EL 770.92

STA 43'USH'+78.94
-60.98' LT
EL 770.63

STA 43'USH'+93.32
-60.85' LT
EL 770.51

STA 44'USH'+15.65
-60.47' LT
EL 770.15

STA 44'USH'+25
-60.30' LT
EL 770.00

STA 44'USH'+50
-59.84' LT
EL 769.59

STA 44'USH'+77.56
-59.34' LT
EL 769.15

STA 44'USH'+84.81
-59.20' LT
TOP OF HMA PAVEMENT
EL 769.03

STA 42'USH'+66.41
-47.96' LT
TOP OF HMA PAVEMENT
EL 772.43

STA 42'USH'+97.13
-47.75' LT
EL 771.93

STA 43'USH'+25
-47.18' LT
EL 771.46

STA 43'USH'+50
-46.66' LT
EL 771.05

STA 43'USH'+75.39
-46.13' LT
EL 770.62

STA 43'USH'+89.73
45.86' LT
EL 770.51

STA 44'USH'+25
-45.16' LT
EL 770.09

STA 44'USH'+50
-44.63' LT
EL 769.79

STA 44'USH'+77.03
-44.07' LT
EL 769.46

STA 44'USH'+84.53
-43.92' LT
TOP OF HMA PAVEMENT
EL 769.37

STA 42'USH'+66.41
-38.00' LT
TOP OF HMA PAVEMENT
EL 772.47

STA 42'USH'+96.94
-37.79' LT
EL 771.75

STA 43'USH'+25
-37.21' LT
EL 771.30

STA 43'USH'+50
-36.69' LT
EL 771.07

STA 43'USH'+73.03
-36.22' LT
EL 770.64

STA 43'USH'+87.36
-35.92' LT
EL 770.52

STA 44'USH'+25
-35.19' LT
EL 770.39

STA 44'USH'+76.68
-34.19' LT
EL 769.38

STA 44'USH'+84.32
-34.04' LT
TOP OF HMA PAVEMENT
EL 769.16

STA 42'USH'+66.41
-12.00' LT
TOP OF HMA PAVEMENT
EL 771.95

STA 42'USH'+96.44
-12.59' LT
EL 771.26

STA 43'USH'+25
-14.26' LT
EL 771.02

STA 43'USH'+50
-15.74' LT
EL 770.97

STA 43'USH'+68.53
-16.84' LT
EL 770.66

STA 43'USH'+83.10
-17.73' LT
EL 770.54

STA 44'USH'+25
-20.19' LT
EL 770.27

STA 44'USH'+50
-34.71' LT
EL 769.92

STA 44'USH'+84.41
-23.69' LT
TOP OF HMA PAVEMENT
EL 768.95

STA 44'USH'+50
-21.65' LT
EL 769.74

STA 44'USH'+76.30
-23.21' LT
EL 769.16

STA 42'USH'+85.22
0.00'
TOP OF HMA PAVEMENT
EL 771.72

STA 43'USH'+00
0.00'
EL 771.43

STA 43'USH'+25
0.00'
EL 771.02

STA 43'USH'+50
0.00'
EL 770.74

STA 43'USH'+64.7
0.00'
EL 770.67

STA 43'USH'+79.05
0.00'
EL 770.55

STA 44'USH'+00
0.00'
EL 770.37

STA 44'USH'+25
0.00'
EL 770.05

STA 44'USH'+51.05
0.00'
EL 769.62

STA 44'USH'+84.41
0.00'
TOP OF HMA PAVEMENT
EL 768.95

STA 42'USH'+85.21
12.00' RT
TOP OF HMA PAVEMENT
EL 771.48

STA 43'USH'+00
12.00' RT
EL 771.19

STA 43'USH'+25
12.00' RT
EL 770.88

STA 43'USH'+62.02
12.00' RT
EL 770.64

STA 43'USH'+76.35
12.00' RT
EL 770.56

STA 44'USH'+00
12.00' RT
EL 770.44

STA 44'USH'+25
12.00' RT
EL 770.21

STA 44'USH'+51.05
12.00' RT
EL 769.86

STA 44'USH'+84.41
12.00' RT
TOP OF HMA PAVEMENT
EL 769.19

STA 42'USH'+85.22
24.00' RT
TOP OF HMA PAVEMENT
EL 771.24

STA 43'USH'+00
24.00' RT
EL 771.01

STA 43'USH'+25
24.00' RT
EL 770.78

STA 43'USH'+59.38
24.00' RT
EL 770.64

STA 43'USH'+73.70
24.00' RT
EL 770.56

STA 44'USH'+00
24.00' RT
EL 770.39

STA 44'USH'+25
24.00' RT
EL 770.11

STA 44'USH'+51.05
24.00' RT
EL 769.61

STA 44'USH'+84.41
24.00' RT
TOP OF HMA PAVEMENT
EL 768.93

STA 42'USH'+85.22
32.00' RT
TOP OF HMA PAVEMENT
EL 770.92

STA 43'USH'+00
32.00' RT
EL 770.75

STA 43'USH'+25
32.00' RT
EL 770.62

STA 43'USH'+41.84
32.00' RT
EL 770.61

STA 43'USH'+56.14
38.92' RT
EL 770.59

STA 43'USH'+94.64
32.00' RT
TOP OF HMA PAVEMENT
EL 770.31

STA 44'USH'+00
32.00' RT
EL 770.24

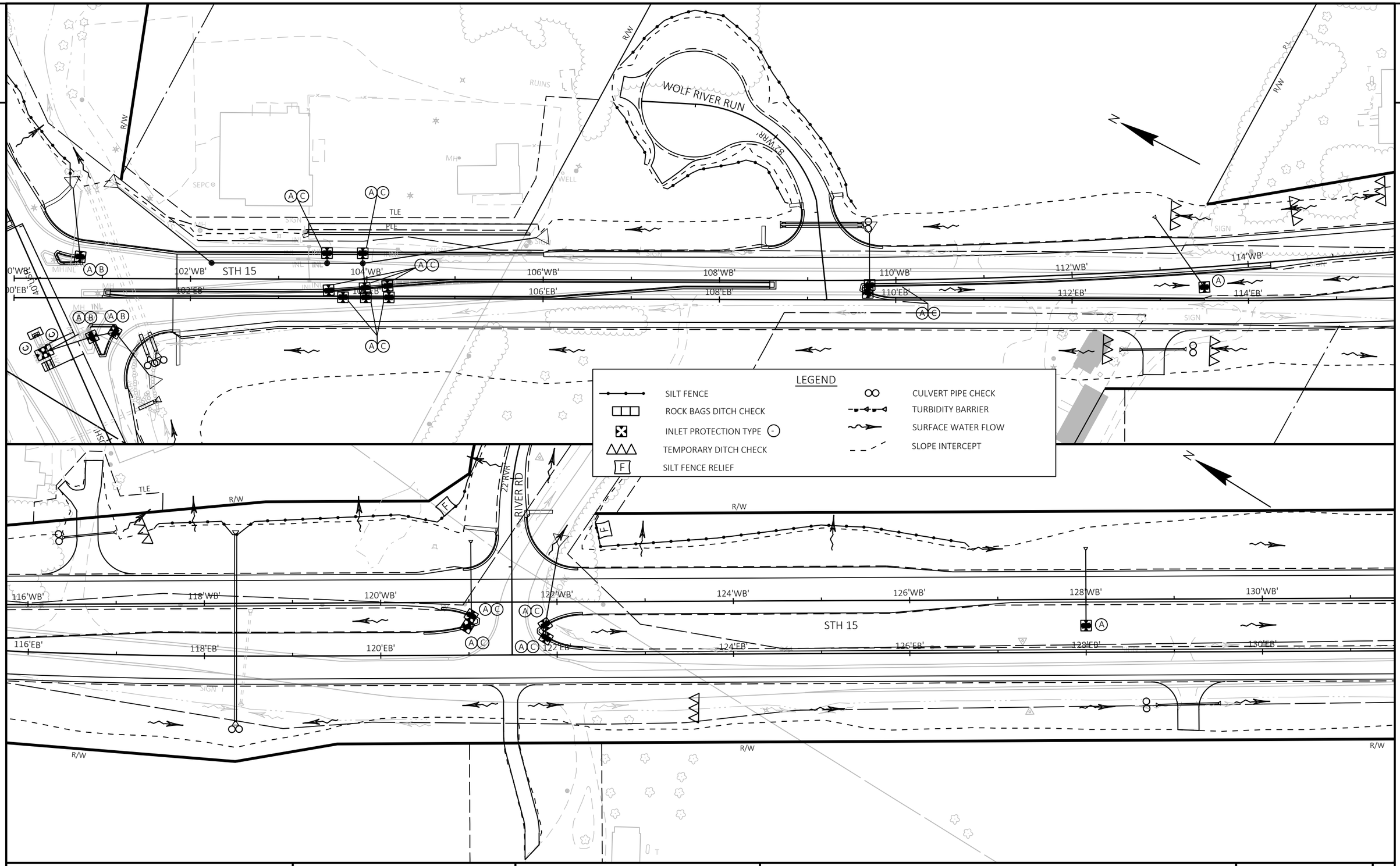
STA 44'USH'+25
32.00' RT
EL 769.89

STA 44'USH'+51.05
32.00' RT
EL 769.29

STA 44'USH'+84.41
32.00' RT
TOP OF HMA PAVEMENT
EL 768.61

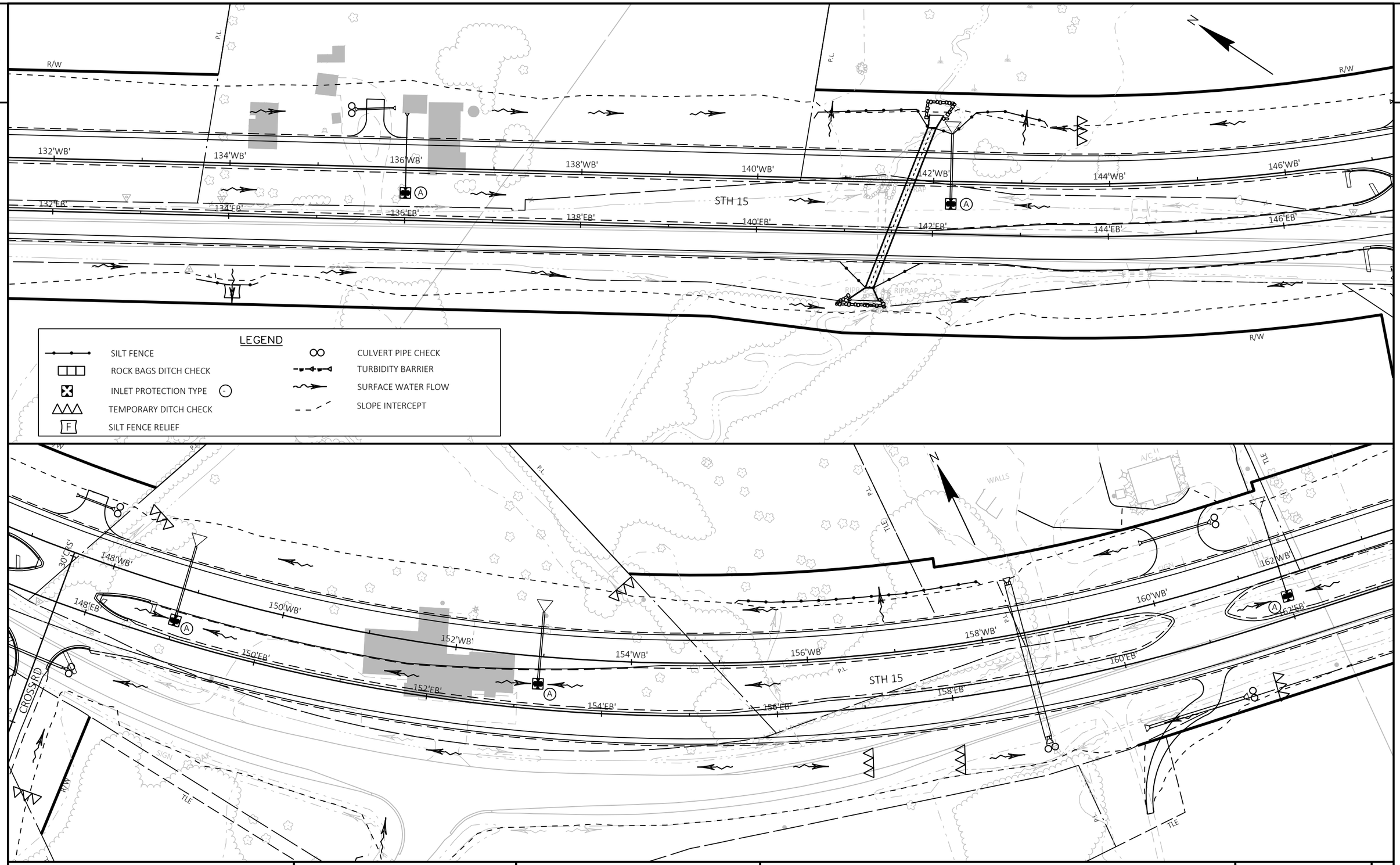
FIELD VERIFY TOP OF RAILROAD TRACK ELEVATIONS PRIOR TO PLACING ASPHALTIC SURFACE. MAKE ADJUSTMENTS AS NECESSARY TO ENSURE FLOW IN CURB AND GUTTER AND ON PAVEMENT.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVING GRADES - RAILROAD CROSSING - USH 45	SHEET 80	E



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (TEMPORARY)	SHEET 81	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022001_ec
PLOT DATE : 4/27/2023 7:54 AM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (TEMPORARY)	SHEET 82	E

2

2

P.L.

P.L.

R/W

TLE

PIER

164'WB' 166'WB' 168'WB' 170'WB' 172'WB' 174'WB' 176'WB' 178'WB'

WELL

STH 15

164'EB' 166'EB' 168'EB' 170'EB' 172'EB' 174'EB' 176'EB' 178'EB'

SIGN

R/W

N

SEPC SEPV

LEGEND

- SILT FENCE
- ROCK BAGS DITCH CHECK
- INLET PROTECTION TYPE (A)
- TEMPORARY DITCH CHECK
- SILT FENCE RELIEF (F)
- CULVERT PIPE CHECK
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SLOPE INTERCEPT

R/W

F

180'WB' 182'WB' 184'WB' 186'WB' 188'WB' 190'WB' 192'WB' 194'WB'

STH 15

180'EB' 182'EB' 184'EB' 186'EB' 188'EB' 190'EB' 192'EB' 194'EB'

SIGN

R/W

BERM

TLE

SIGN POST

N

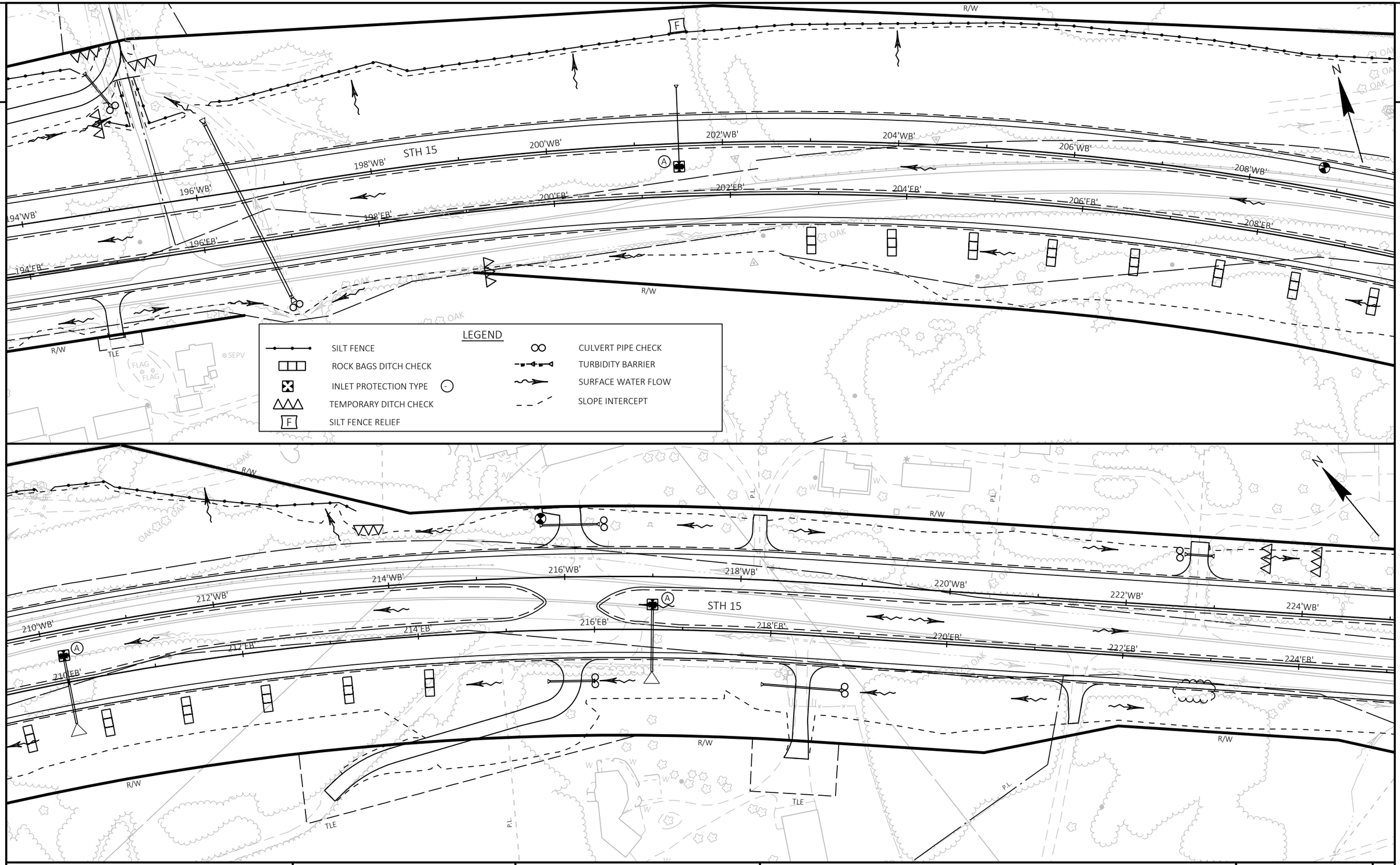
P.L.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (TEMPORARY)	SHEET 83	E

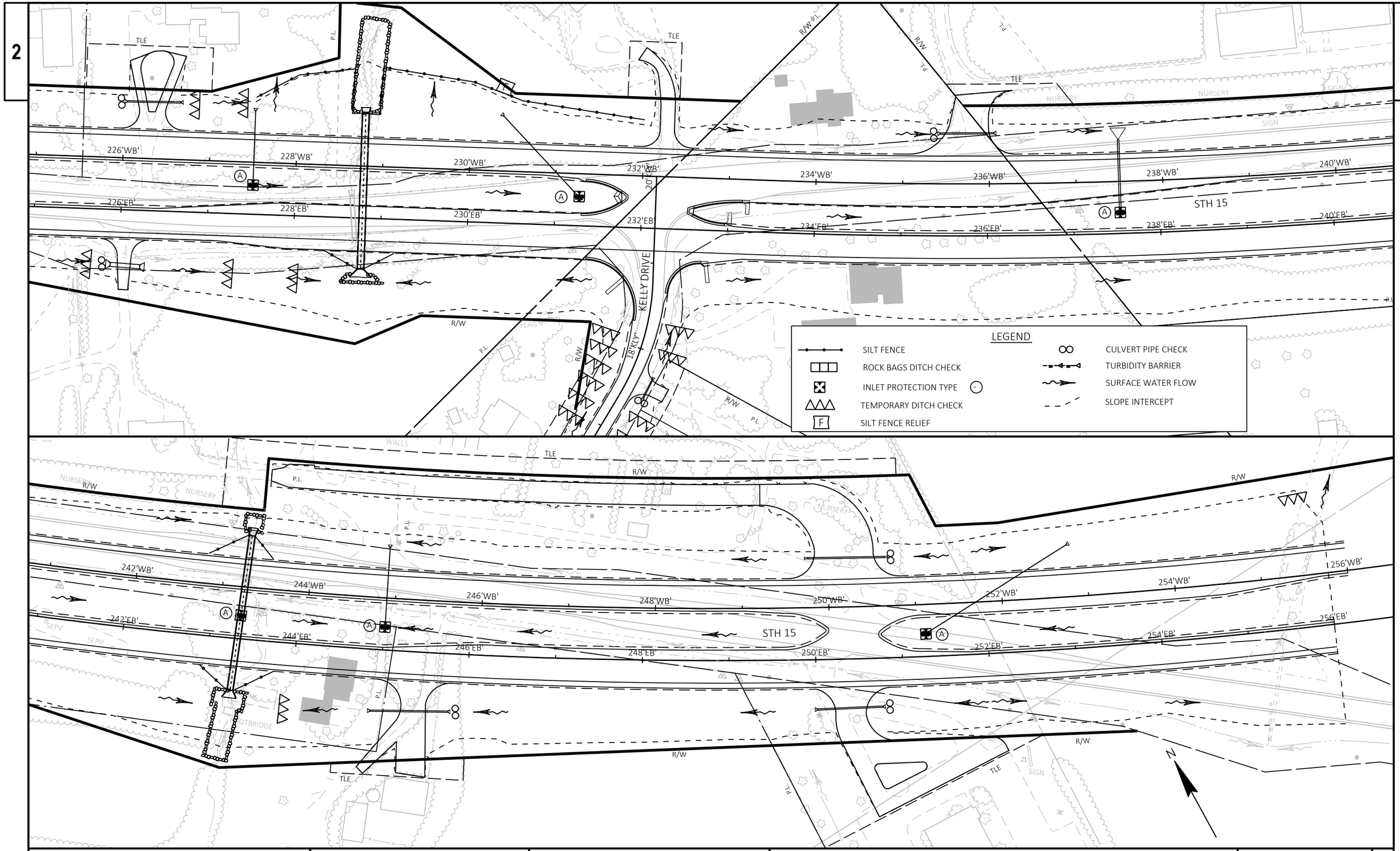
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022003_ec

PLOT DATE : 4/27/2023 7:54 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (TEMPORARY)	SHEET 84	E



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (TEMPORARY)	SHEET 85	E

2

LEGEND

- SILT FENCE
- ROCK BAGS DITCH CHECK
- INLET PROTECTION TYPE (-)
- TEMPORARY DITCH CHECK
- SILT FENCE RELIEF (F)
- CULVERT PIPE CHECK
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SLOPE INTERCEPT

PARK & RIDE AREA

30'USH'

32'USH'

34'USH'

36'USH'

USH 45

38'USH'

40'USH'

42'USH'

44'USH'

46'USH'

48'USH'

50'USH'

USH 45

STH 15

100'WB

102'WB

RIPRAP

SIGN

INL

R/W

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (TEMPORARY)	SHEET 86	E

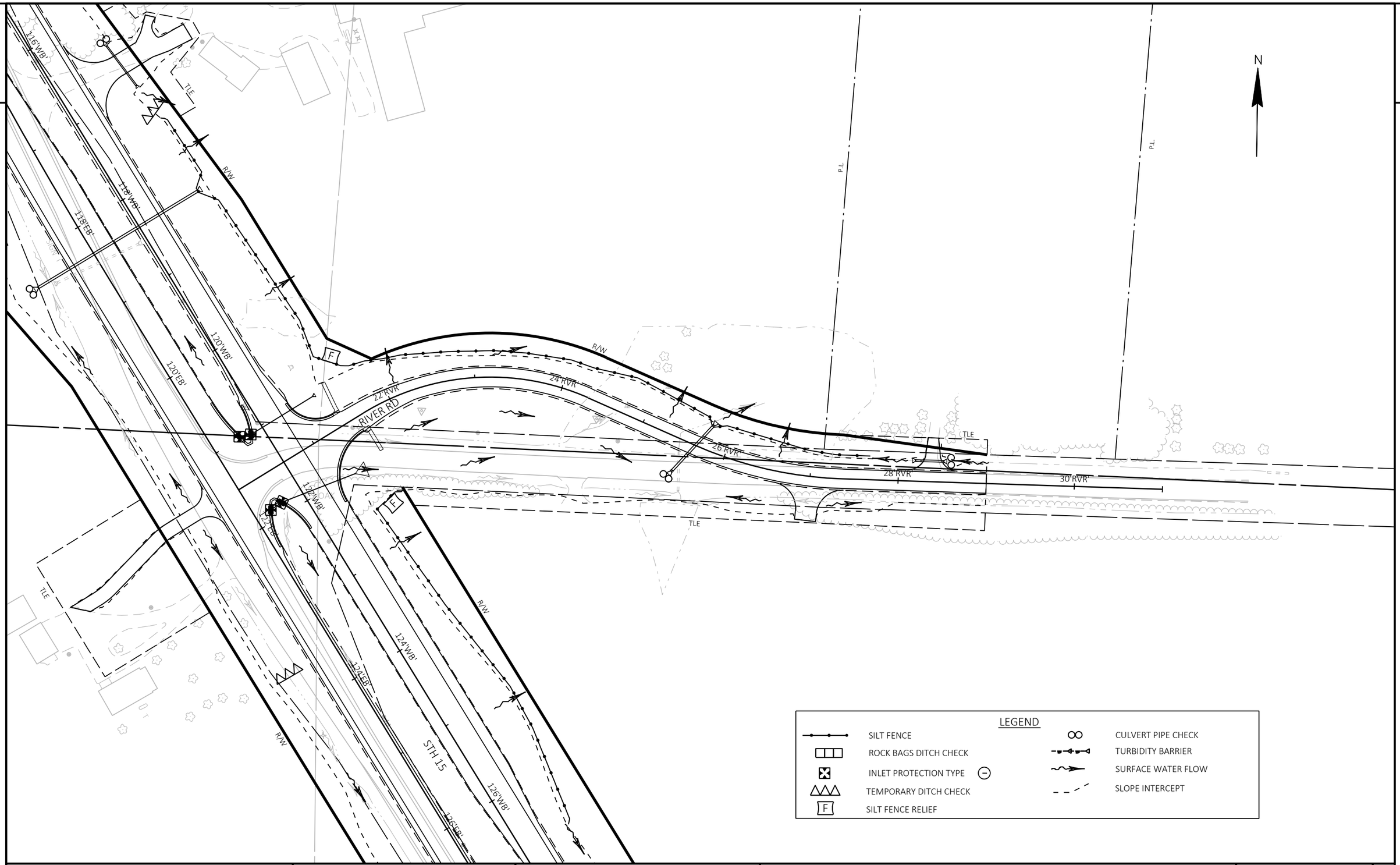
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022006_ec(USH 45)

PLOT DATE : 4/27/2023 7:54 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (TEMPORARY)	SHEET 87	E

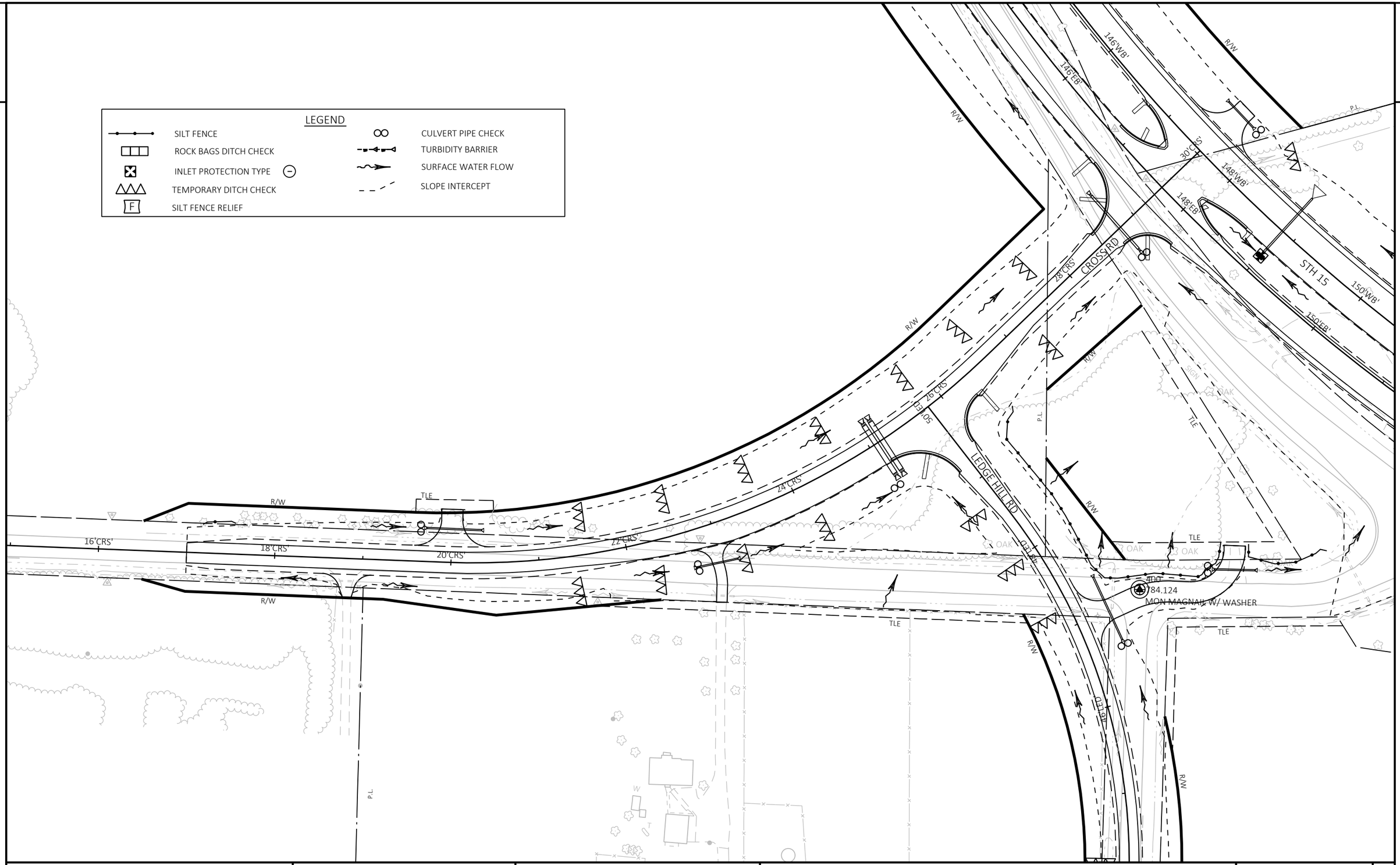
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022007_ec(River Road)

PLOT DATE : 4/27/2023 7:54 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- SILT FENCE
- ROCK BAGS DITCH CHECK
- INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- SILT FENCE RELIEF
- CULVERT PIPE CHECK
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SLOPE INTERCEPT



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (TEMPORARY)	SHEET 88	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022008_ec(Cross Road)

PLOT DATE : 4/27/2023 7:54 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

R/W
50'LED
76'CRS
24'CRS
CROSS RD
TLE
22'CRS
20'CRS
LEDGE HILL RD
P.L.
R/W
TLE
OAK
OAK
R/W
TLE
400'
784.124
MON MAGNAIL W/ WASHER
TLE
150'WB'
150'EB'
STH 15
152'WB'
152'EB'
154'WB'
154'EB'
R/W
40'LED
R/W
44'LED
TLE
42'LED
P.L.
P.L.
P.L.

LEGEND

- SILT FENCE
- ROCK BAGS DITCH CHECK
- INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- SILT FENCE RELIEF
- CULVERT PIPE CHECK
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SLOPE INTERCEPT

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (TEMPORARY)	SHEET 89	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022009_ec(Ledge Hill Road)

PLOT DATE : 4/27/2023 7:54 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

LEGEND

- SILT FENCE
- EROSION BALE, BARRIER
- INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- SILT FENCE RELIEF
- CULVERT PIPE CHECK
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SLOPE INTERCEPT

KELLY DRIVE

STH 15

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (TEMPORARY)	SHEET 90	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022010_ec(Kelly Drive)

PLOT DATE : 4/27/2023 7:55 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- SILT FENCE
- EROSION BALE, BARRIER
- INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- SILT FENCE RELIEF
- CULVERT PIPE CHECK
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- SLOPE INTERCEPT

N

P.L

P.L

P.L

TILE

PIER

R/W

E

88'WB'

190'WB'

192'WB'

194'WB'

196'WB'

198'WB'

STH 15

200'WB'

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (TEMPORARY)	SHEET 91	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022011_ec(Driveway STA 196)

PLOT DATE : 4/27/2023 7:55 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

ALL INFORMATION EXCEPT FOR THE SILT FENCE IS FOR INFORMATION ONLY AND WORK WILL BE COMPLETED BY OTHERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

WETLAND BOUNDARY

P.L.

SILT FENCE

CN RAILROAD

R/W

L

Z

Z

R/W

R/W

FO

AT&T WISCONSIN

100+00

101+00

102+00

103+00

104+00

105+00

GIVENS RD

WETLAND BOUNDARY

R/W

OH

WE ENERGIES ELECTRICITY

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	SALT SHED EROSION CONTROL	SHEET 92	E

FILE NAME : S:\MAD\1000--1099\1089\938\DRAWINGS\CAD\CIVIL3D\11467500\SHEETSPLAN\SILTFENCE DETAIL.DWG
LAYOUT NAME - 022001-ec

PLOT DATE : 6/15/2023 8:38 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

SEEDING MIXTURE NO. 40

SEEDING MIXTURE NO. 40

SEEDING MIXTURE NO. 40

SEEDING MIXTURE NO. 40

R/W

R/W

R/W

RUINS

MH

SEPC

WELL

SIGN

TLE

PLE

MH INL

INL

INL

INL

102'WB'

104'WB'

106'WB'

108'WB'

110'WB'

112'WB'

114'WB'

102'EB'

104'EB'

106'EB'

108'EB'

110'EB'

112'EB'

114'EB'

STH 15

USH 45

SB

NB

SEEDING MIXTURE NO. 40

SEEDING MIXTURE NO. 40

TLE

R/W

22" RCP

SEEDING MIXTURE NO. 70A

R/W

RIVER RD

116'WB'

118'WB'

120'WB'

122'WB'

124'WB'

126'WB'

128'WB'

130'WB'

116'EB'

118'EB'

120'EB'

122'EB'

124'EB'

126'EB'

128'EB'

130'EB'

STH 15

SIGN

R/W

R/W

10' WIDE (TYP)

SEEDING MIXTURE NO. 40

SEEDING MIXTURE NO. 40

10' WIDE (TYP)

LEGEND

- EROSION MAT URBAN CLASS I TYPE B WITH SEED MIX #30
- EROSION MAT CLASS I TYPE B WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- EROSION MAT CLASS I TYPE A WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- LOW MAINTENANCE SEED MIX
- RIPRAP MEDIUM UNLESS OTHERWISE SHOWN ON THE PLANS
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED
- PERMANENT STONE DITCH CHECK

NOTE: ALL DISTURBED AREAS SHALL RECEIVE SALVAGED TOPSOIL, SEED MIX #20, FERTILIZER TYPE B AND MULCH, UNLESS OTHERWISE SHOWN ON THE PLANS

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (PERMANENT)	SHEET 93	E

2

2

10' WIDE (TYP)

RIPRAP HEAVY

SEEDING MIXTURE NO. 70A

SEEDING, WET MEADOW AND SHALLOW MARSH MIX

SEEDING MIXTURE NO. 40

STH 15

CROSS RD

132'WB' 134'WB' 136'WB' 138'WB' 140'WB' 142'WB' 144'WB' 146'WB'

132'EB' 134'EB' 136'EB' 138'EB' 140'EB' 142'EB' 144'EB' 146'EB'

148'WB' 150'WB' 152'WB' 154'WB' 156'WB' 158'WB' 160'WB' 162'WB'

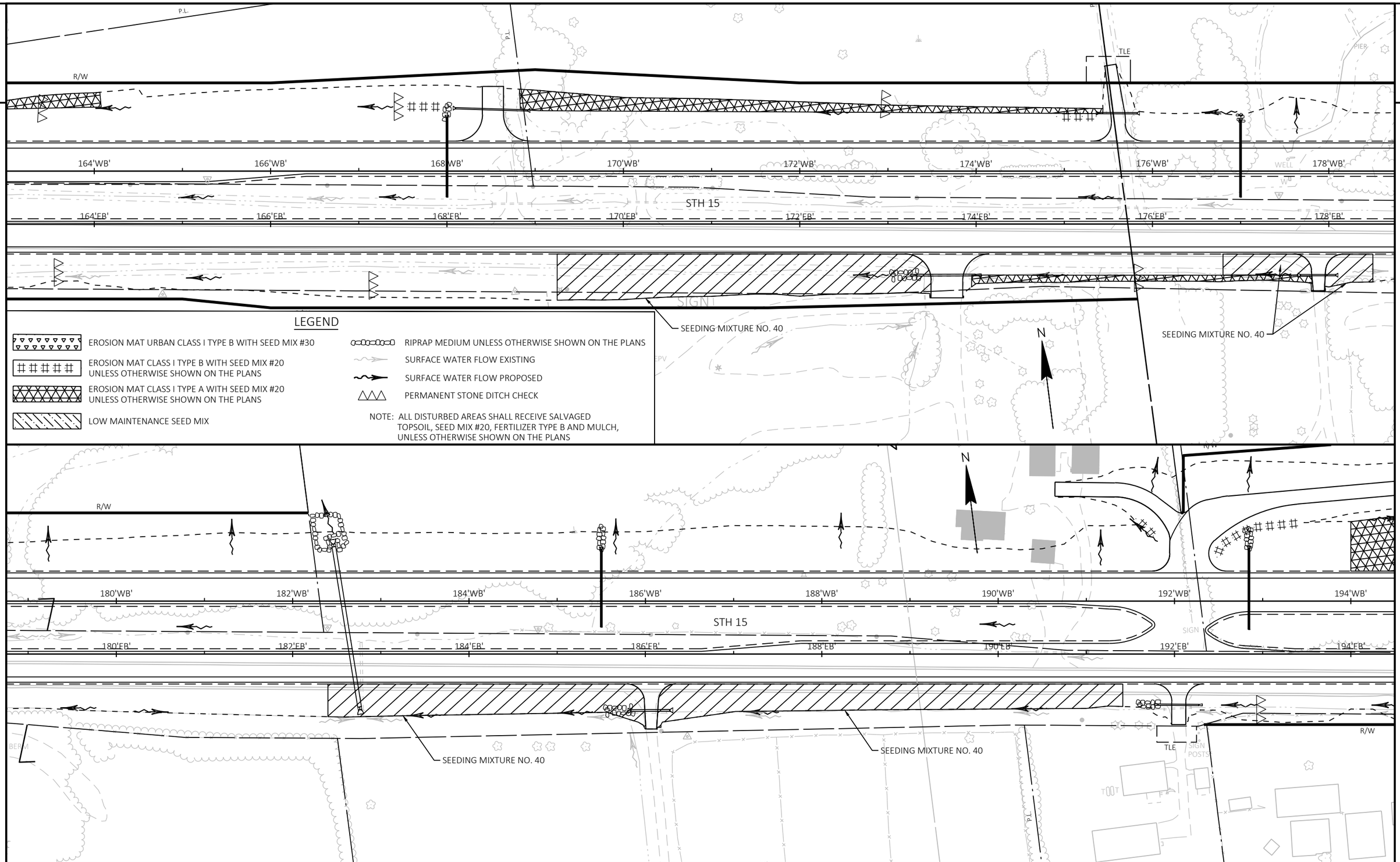
148'EB' 150'EB' 152'EB' 154'EB' 156'EB' 158'EB' 160'EB' 162'EB'

LEGEND

- EROSION MAT URBAN CLASS I TYPE B WITH SEED MIX #30
- EROSION MAT CLASS I TYPE B WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- EROSION MAT CLASS I TYPE A WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- LOW MAINTENANCE SEED MIX
- RIPRAP MEDIUM UNLESS OTHERWISE SHOWN ON THE PLANS
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED
- PERMANENT STONE DITCH CHECK

NOTE: ALL DISTURBED AREAS SHALL RECEIVE SALVAGED TOPSOIL, SEED MIX #20, FERTILIZER TYPE B AND MULCH, UNLESS OTHERWISE SHOWN ON THE PLANS

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (PERMANENT)	SHEET 94	E

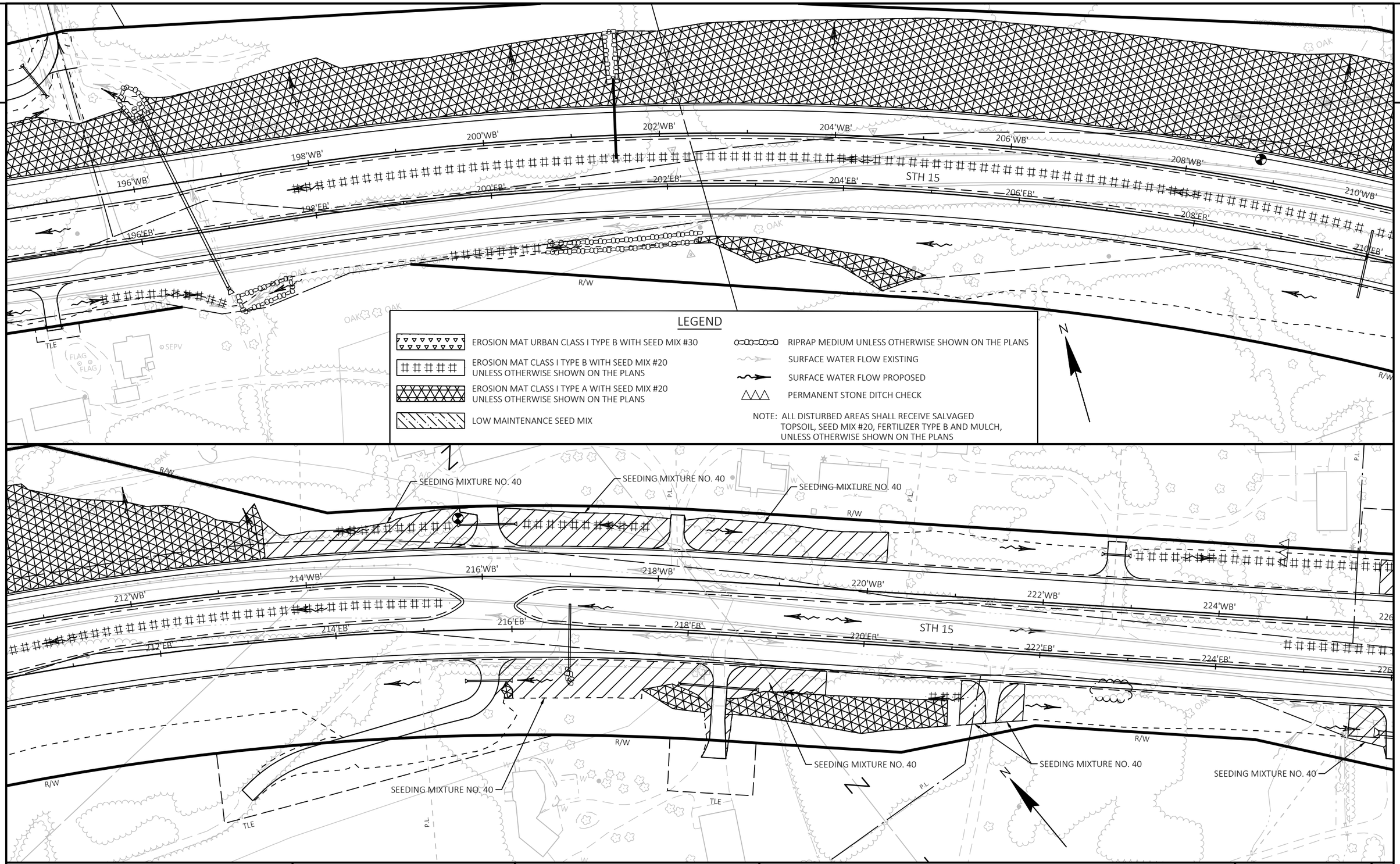


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (PERMANENT)	SHEET 95	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022006_EC.DWG
LAYOUT NAME - 022008_ec

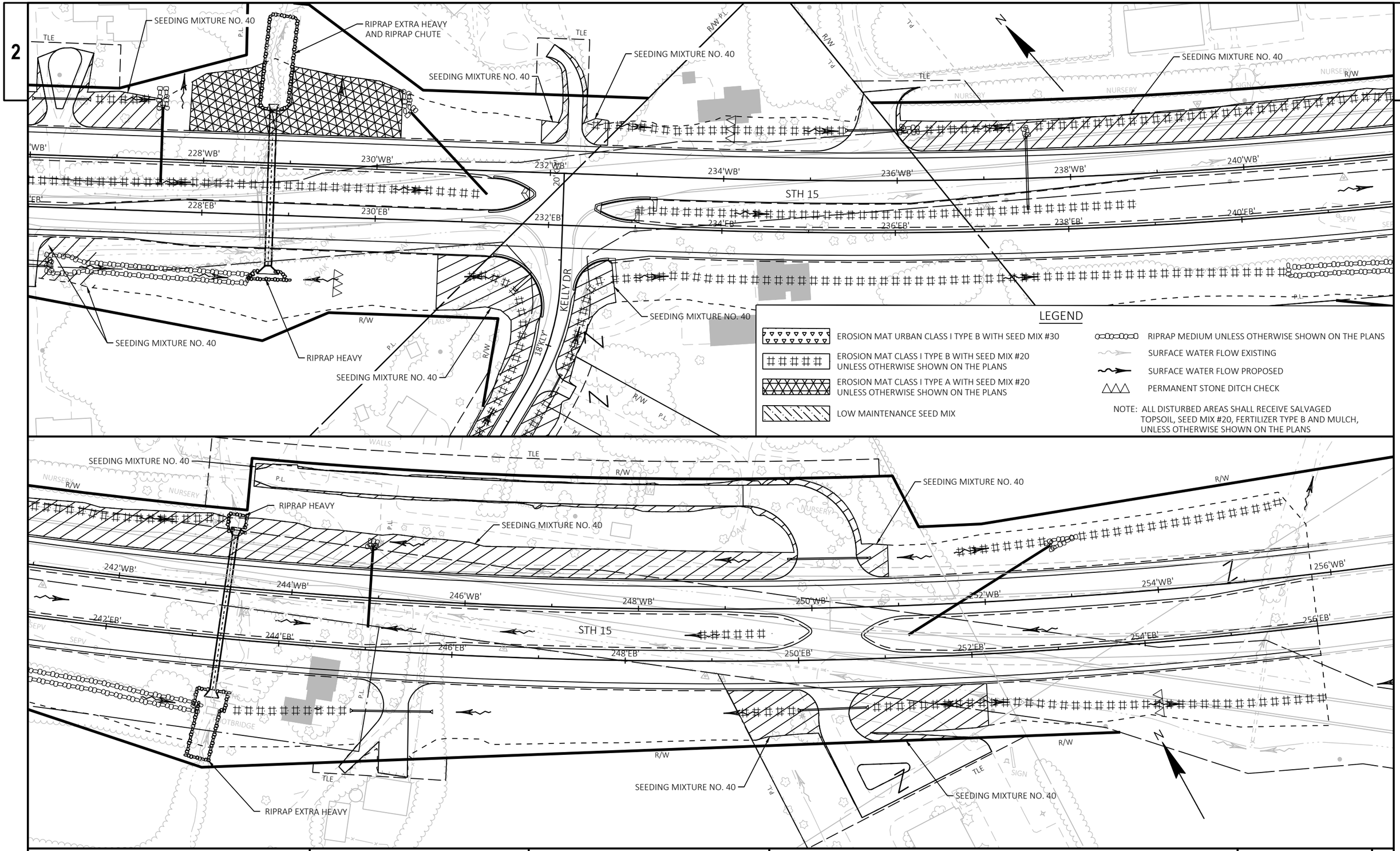
PLOT DATE : 4/27/2023 7:56 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (PERMANENT)	SHEET 96	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022006_EC.DWG
LAYOUT NAME - 022009_ec
PLOT DATE : 4/27/2023 7:56 AM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



LEGEND

- EROSION MAT URBAN CLASS I TYPE B WITH SEED MIX #30
- EROSION MAT CLASS I TYPE B WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- EROSION MAT CLASS I TYPE A WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- LOW MAINTENANCE SEED MIX
- RIPRAP MEDIUM UNLESS OTHERWISE SHOWN ON THE PLANS
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED
- PERMANENT STONE DITCH CHECK

NOTE: ALL DISTURBED AREAS SHALL RECEIVE SALVAGED TOPSOIL, SEED MIX #20, FERTILIZER TYPE B AND MULCH, UNLESS OTHERWISE SHOWN ON THE PLANS

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (PERMANENT)	SHEET 97	E

2

N

34'NB'

36'NB'

38'NB'

USH 45

40'NB'

42'NB'

44'NB'

100'EB

100'WB

STH 15

102'WB

RW

SEEDING MIXTURE NO. 40

779

771

770

769

768

767

SIGN

EROSION MAT CLASS I TYPE A WITH LOW MAINTENANCE SEED MIX

FOX VALLEY AND LAKE SUPERIOR RAIL SYSTEM LLC

LEGEND

- EROSION MAT URBAN CLASS I TYPE B WITH SEED MIX #30
- EROSION MAT CLASS I TYPE B WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- EROSION MAT CLASS I TYPE A WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- LOW MAINTENANCE SEED MIX
- RIPRAP MEDIUM UNLESS OTHERWISE SHOWN ON THE PLANS
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED
- PERMANENT STONE DITCH CHECK

NOTE: ALL DISTURBED AREAS SHALL RECEIVE SALVAGED TOPSOIL, SEED MIX #20, FERTILIZER TYPE B AND MULCH, UNLESS OTHERWISE SHOWN ON THE PLANS

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (PERMANENT)	SHEET 98	E

2

2

N

P.L

P.L

R/W

118'WB'

118'EB'

120'WB'

120'EB'

R/W

22'RVR

24'RVR

26'RVR

28'RVR

30'RVR

TLE

SEEDING MIXTURE NO. 40

RIVER RD

122'WB'

122'EB'

TLE

SEEDING MIXTURE NO. 70A

R/W

124'WB'

124'EB'

STH 15

126'WB'

126'EB'

R/W

128

LEGEND

- EROSION MAT URBAN CLASS I TYPE B WITH SEED MIX #30
- EROSION MAT CLASS I TYPE B WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- EROSION MAT CLASS I TYPE A WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- LOW MAINTENANCE SEED MIX
- RIPRAP MEDIUM UNLESS OTHERWISE SHOWN ON THE PLANS
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED
- PERMANENT STONE DITCH CHECK

NOTE: ALL DISTURBED AREAS SHALL RECEIVE SALVAGED TOPSOIL, SEED MIX #20, FERTILIZER TYPE B AND MULCH, UNLESS OTHERWISE SHOWN ON THE PLANS

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (PERMANENT)	SHEET 99	E

LEGEND

- EROSION MAT URBAN CLASS I TYPE B WITH SEED MIX #30
- EROSION MAT CLASS I TYPE B WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- EROSION MAT CLASS I TYPE A WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- LOW MAINTENANCE SEED MIX
- RIPRAP MEDIUM UNLESS OTHERWISE SHOWN ON THE PLANS
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED
- PERMANENT STONE DITCH CHECK

NOTE: ALL DISTURBED AREAS SHALL RECEIVE SALVAGED TOPSOIL, SEED MIX #20, FERTILIZER TYPE B AND MULCH, UNLESS OTHERWISE SHOWN ON THE PLANS

N

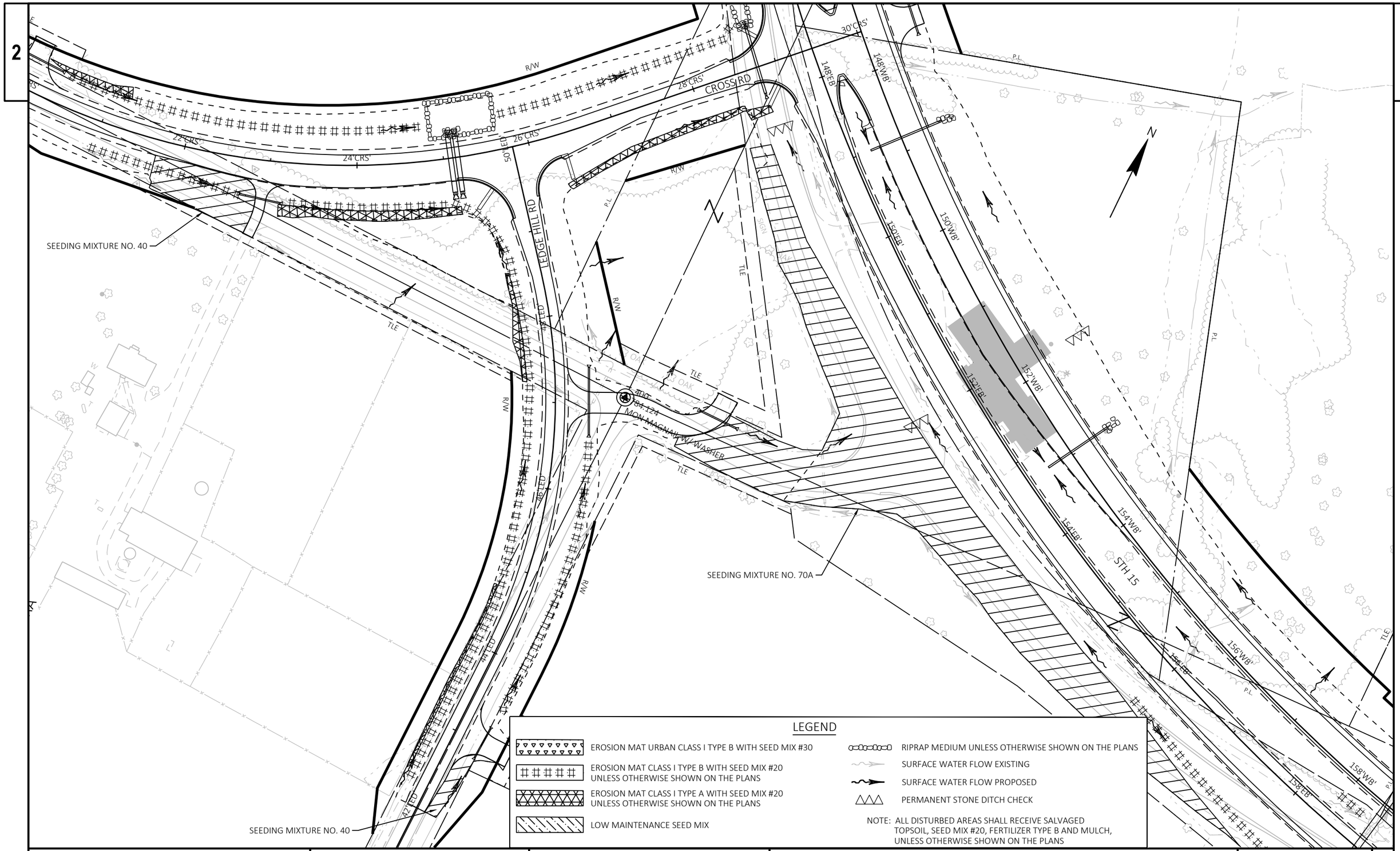
16'CRS'
18'CRS'
20'CRS'
22'CRS'
24'CRS'
26'CRS'
28'CRS'
30'CRS'
R/W
TLE
P.L.
CROSS RD
STH 15
146'EB'
146'WB'
148'EB'
148'WB'
150'EB'
150'WB'
TDC
84 124
MON-MAGNA W/ WASHER
SEEDING MIXTURE NO. 40
SEEDING MIXTURE NO. 70A

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (PERMANENT)	SHEET 100	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022006_EC.DWG
LAYOUT NAME - 0220013_ec(CRS)

PLOT DATE : 4/27/2023 7:56 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



LEGEND

- EROSION MAT URBAN CLASS I TYPE B WITH SEED MIX #30
- EROSION MAT CLASS I TYPE B WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- EROSION MAT CLASS I TYPE A WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- LOW MAINTENANCE SEED MIX
- RIPRAP MEDIUM UNLESS OTHERWISE SHOWN ON THE PLANS
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED
- PERMANENT STONE DITCH CHECK

NOTE: ALL DISTURBED AREAS SHALL RECEIVE SALVAGED TOPSOIL, SEED MIX #20, FERTILIZER TYPE B AND MULCH, UNLESS OTHERWISE SHOWN ON THE PLANS

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (PERMANENT)	SHEET 101	E

2

2

RIPRAP EXTRA HEAVY AND RIPRAP CHUTE

RIPRAP HEAVY

SEEDING MIXTURE NO. 40

SEEDING MIXTURE NO. 40

SEEDING MIXTURE NO. 40

SEEDING MIXTURE NO. 40

KELLY DR

STH 15

228'EB

228'WB'

230'EB'

230'WB'

232'EB

232'WB'

234'EB

234'WB'

236'EB'

236'WB'

16'KLY

18'KLY

20'KLY

R/W

P.L.

TLE

FOOTBRIDGE

OAK

WALLS

RUINS

NURSERY

N

LEGEND

- EROSION MAT URBAN CLASS I TYPE B WITH SEED MIX #30
- EROSION MAT CLASS I TYPE B WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- EROSION MAT CLASS I TYPE A WITH SEED MIX #20 UNLESS OTHERWISE SHOWN ON THE PLANS
- LOW MAINTENANCE SEED MIX
- RIPRAP MEDIUM UNLESS OTHERWISE SHOWN ON THE PLANS
- SURFACE WATER FLOW EXISTING
- SURFACE WATER FLOW PROPOSED
- PERMANENT STONE DITCH CHECK

NOTE: ALL DISTURBED AREAS SHALL RECEIVE SALVAGED TOPSOIL, SEED MIX #20, FERTILIZER TYPE B AND MULCH, UNLESS OTHERWISE SHOWN ON THE PLANS

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EROSION CONTROL (PERMANENT)	SHEET 102	E

2

2

STA 43 'USH'+19, 12.6' LT
INLETS 4-HM-GJ
43

STA 43 'USH'+09, 12.0' LT
INLETS 2X3-HM-GJ
43.2

STA 43 'USH'+16, 1.3' LT
INLETS 2X3-HM-GJ
43.1

CONNECT STORM SEWER PIPE
TO EXISTING CULVERT REQUIRED &
CONCRETE COLLAR FOR PIPE REQUIRED

CONCRETE COLLAR REQUIRED

STA 48 'USH'+02, 1.3' LT
INLETS 2X3-HM-GJ
48

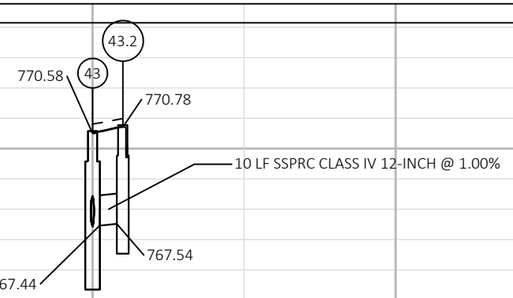
CONCRETE COLLAR REQUIRED

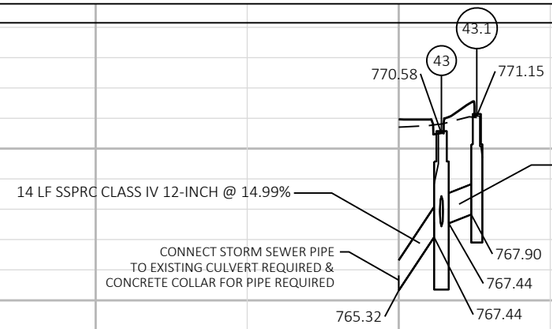
INL

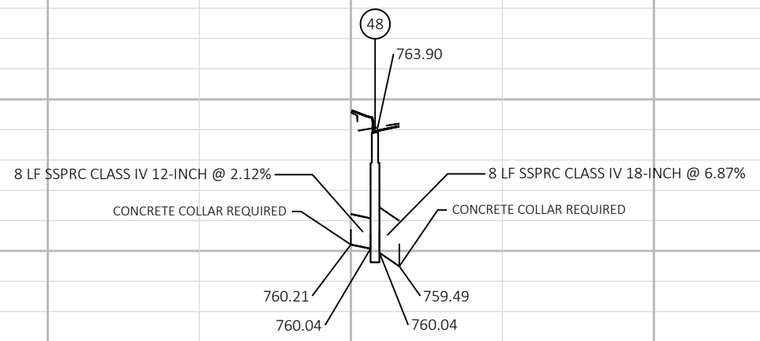
41'USH'
42'USH'
43'USH'
44'USH'
45'USH'
46'USH'
47'USH'
48'USH'

USH 45

N



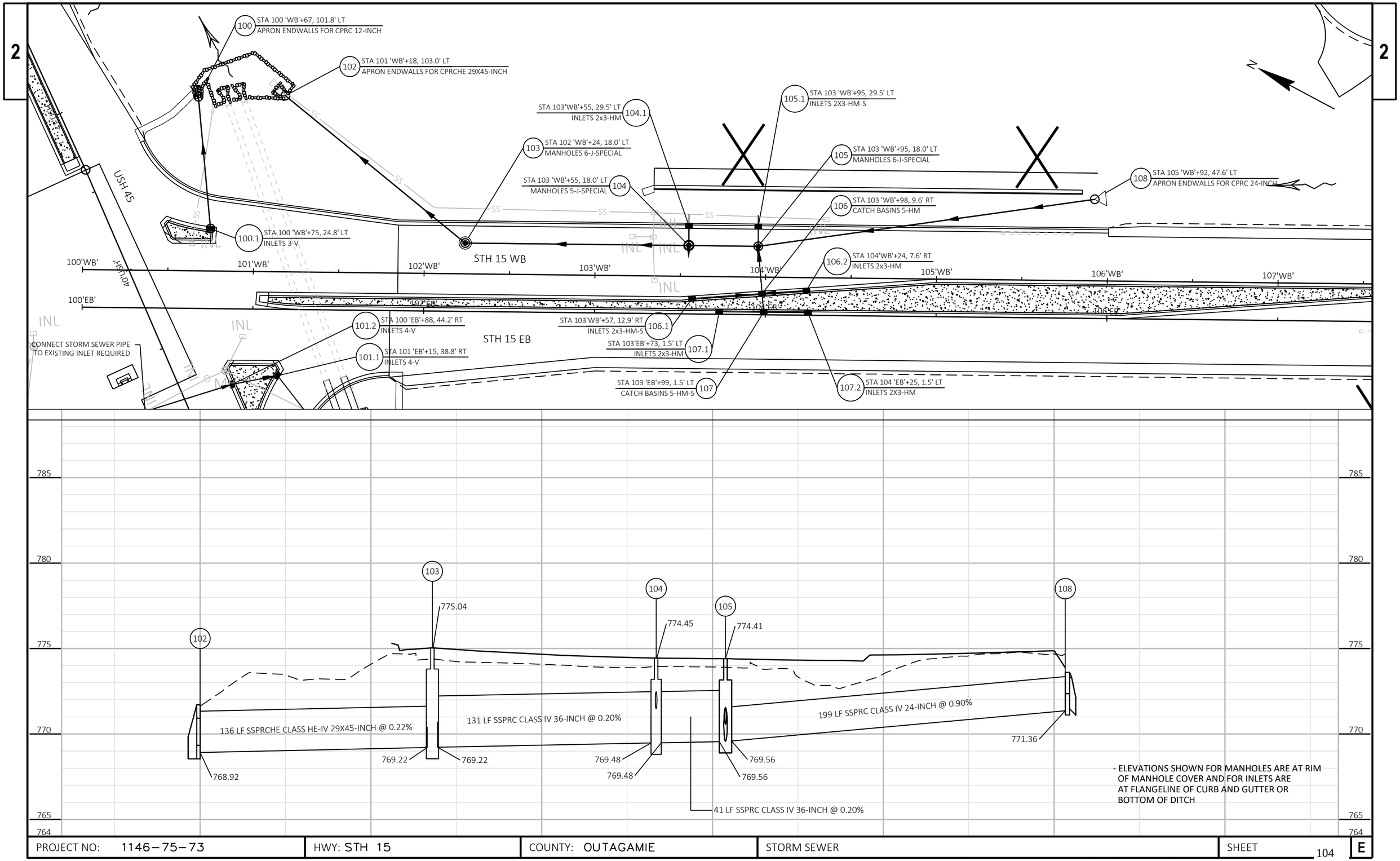




770
765
760
755
750

- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 103	E



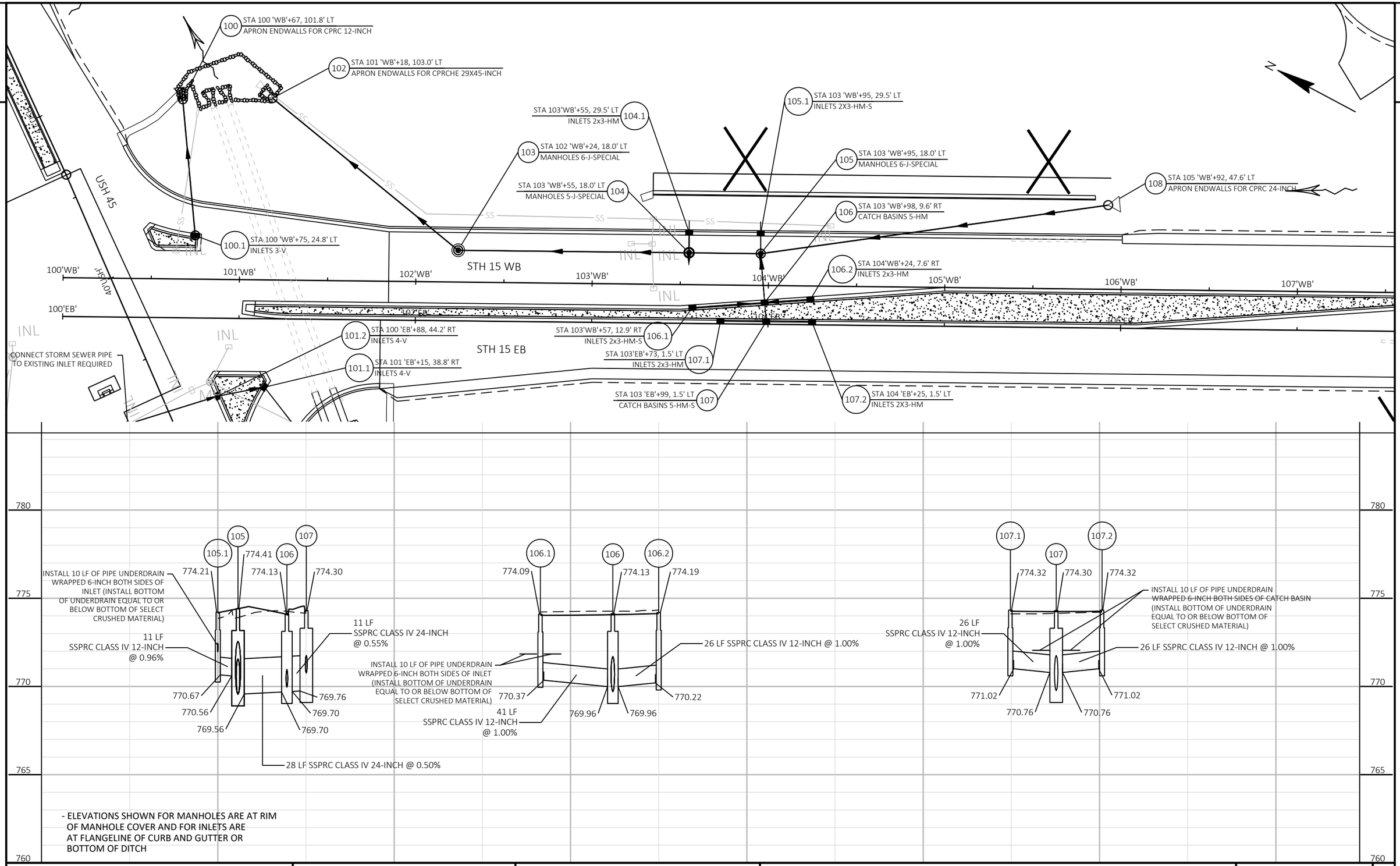
PROJECT NO: 1146–75–73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 104	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022502_ss

PLOT DATE : 4/24/2023 1:50 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN: 50 FT

WISDOT/CADDS SHEET 41

2



780 775 770 765 760

- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 105 E

2

100 STA 100 'WB'+67, 101.8' LT
APRON ENDWALLS FOR CPRC 12-INCH

102 STA 101 'WB'+18, 103.0' LT
APRON ENDWALLS FOR CPRCHE 29X45-INCH

STA 103'WB'+55, 29.5' LT
INLETS 2x3-HM 104.1

105.1 STA 103 'WB'+95, 29.5' LT
INLETS 2X3-HM-S

103 STA 102 'WB'+24, 18.0' LT
MANHOLES 6-J-SPECIAL

105 STA 103 'WB'+95, 18.0' LT
MANHOLES 6-J-SPECIAL

STA 103 'WB'+55, 18.0' LT
MANHOLES 5-J-SPECIAL 104

108 STA 105 'WB'+92, 47.6' LT
APRON ENDWALLS FOR CPRC 24-INCH

106 STA 103 'WB'+98, 9.6' RT
CATCH BASINS 5-HM

100.1 STA 100 'WB'+75, 24.8' LT
INLETS 3-V

USH 45

STH 15 WB

100'WB' 101'WB' 102'WB' 103'WB' 104'WB' 105'WB' 106'WB' 107'WB'

106.2 STA 104'WB'+24, 7.6' RT
INLETS 2x3-HM

40'USH

100'EB' 102'EB' 106'EB'

101.2 STA 100 'EB'+88, 44.2' RT
INLETS 4-V

STA 103'WB'+57, 12.9' RT
INLETS 2x3-HM-S 106.1

STH 15 EB

CONNECT STORM SEWER PIPE
TO EXISTING INLET REQUIRED

101.1 STA 101 'EB'+15, 38.8' RT
INLETS 4-V

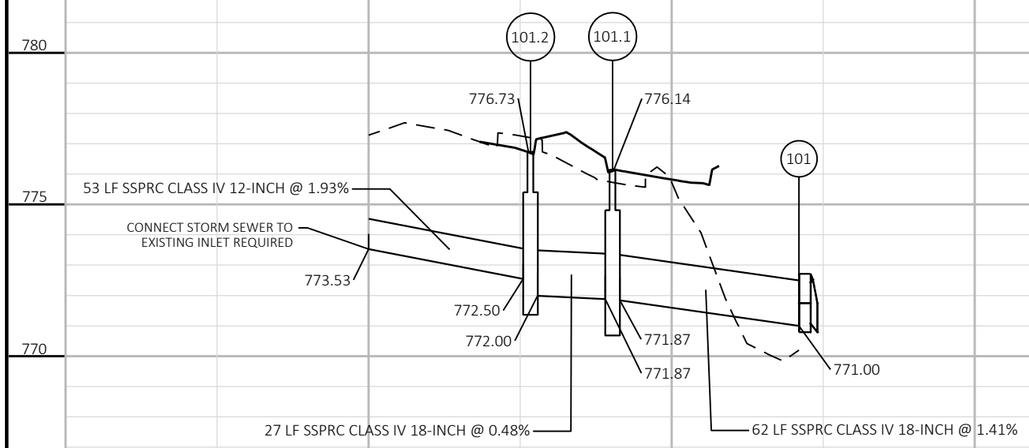
STA 103'EB'+73, 1.5' LT
INLETS 2x3-HM 107.1

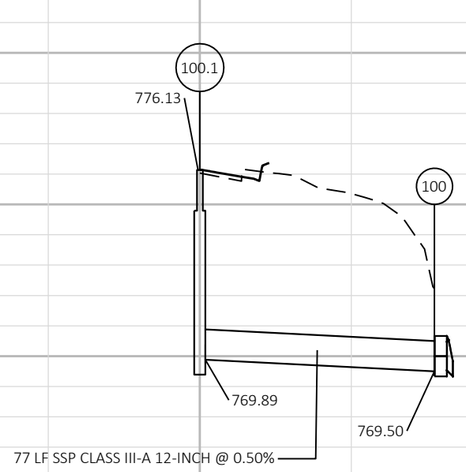
STA 103 'EB'+99, 1.5' LT
CATCH BASINS 5-HM-S 107

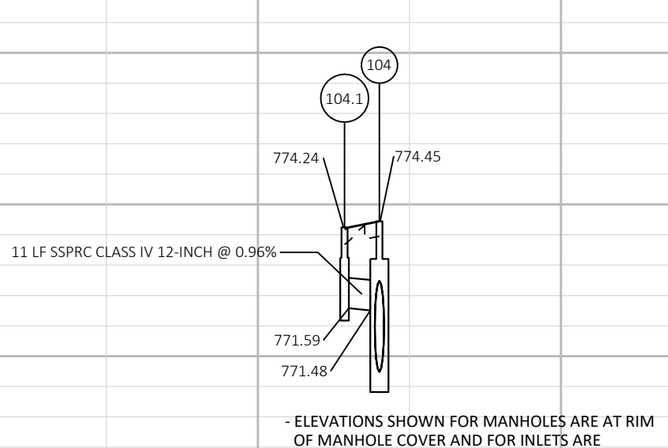
107.2 STA 104 'EB'+25, 1.5' LT
INLETS 2X3-HM

39'USH

101 STA 101 'EB'+53, 86.9' RT
APRON ENDWALLS FOR CPRC 18-INCH





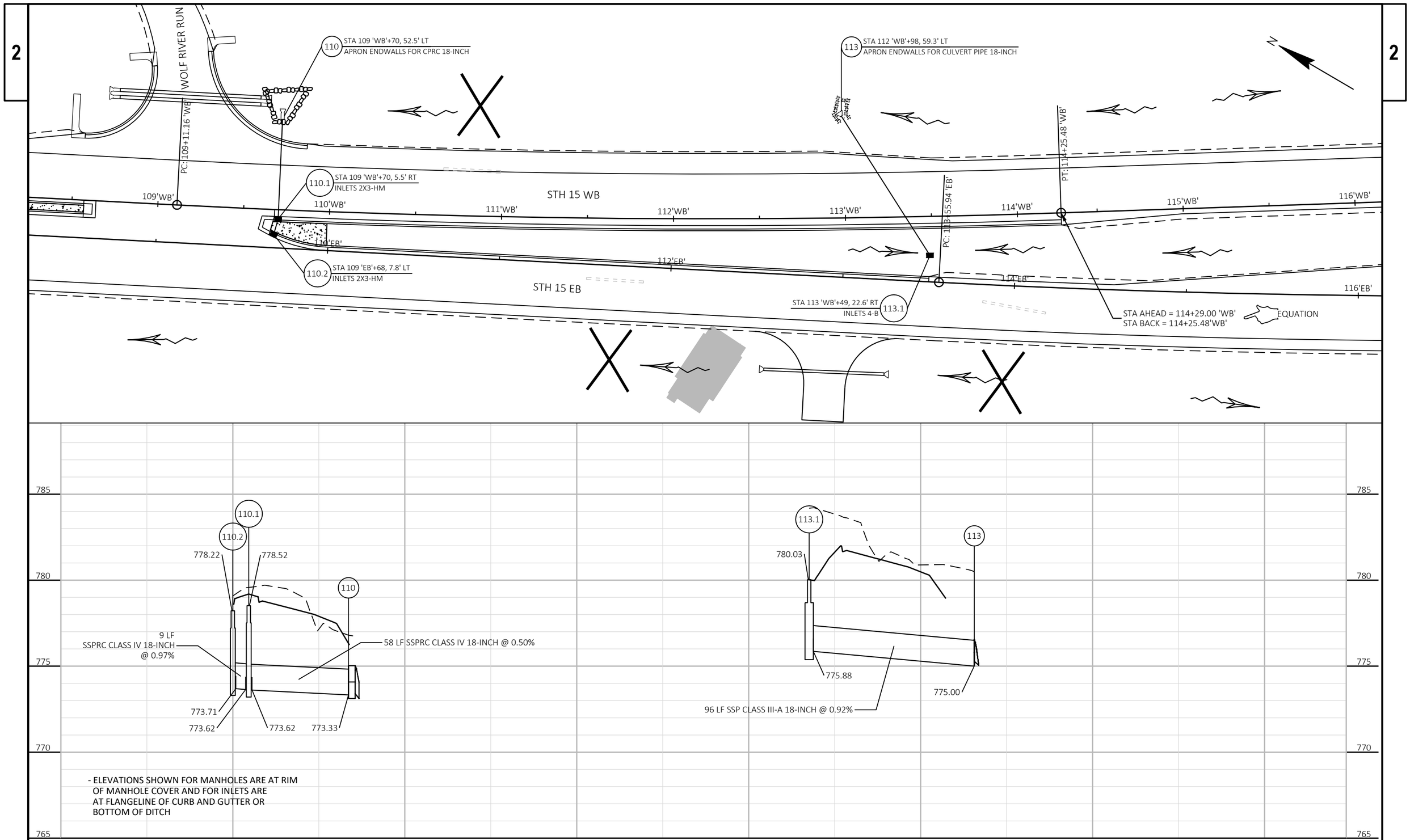


- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 106	E

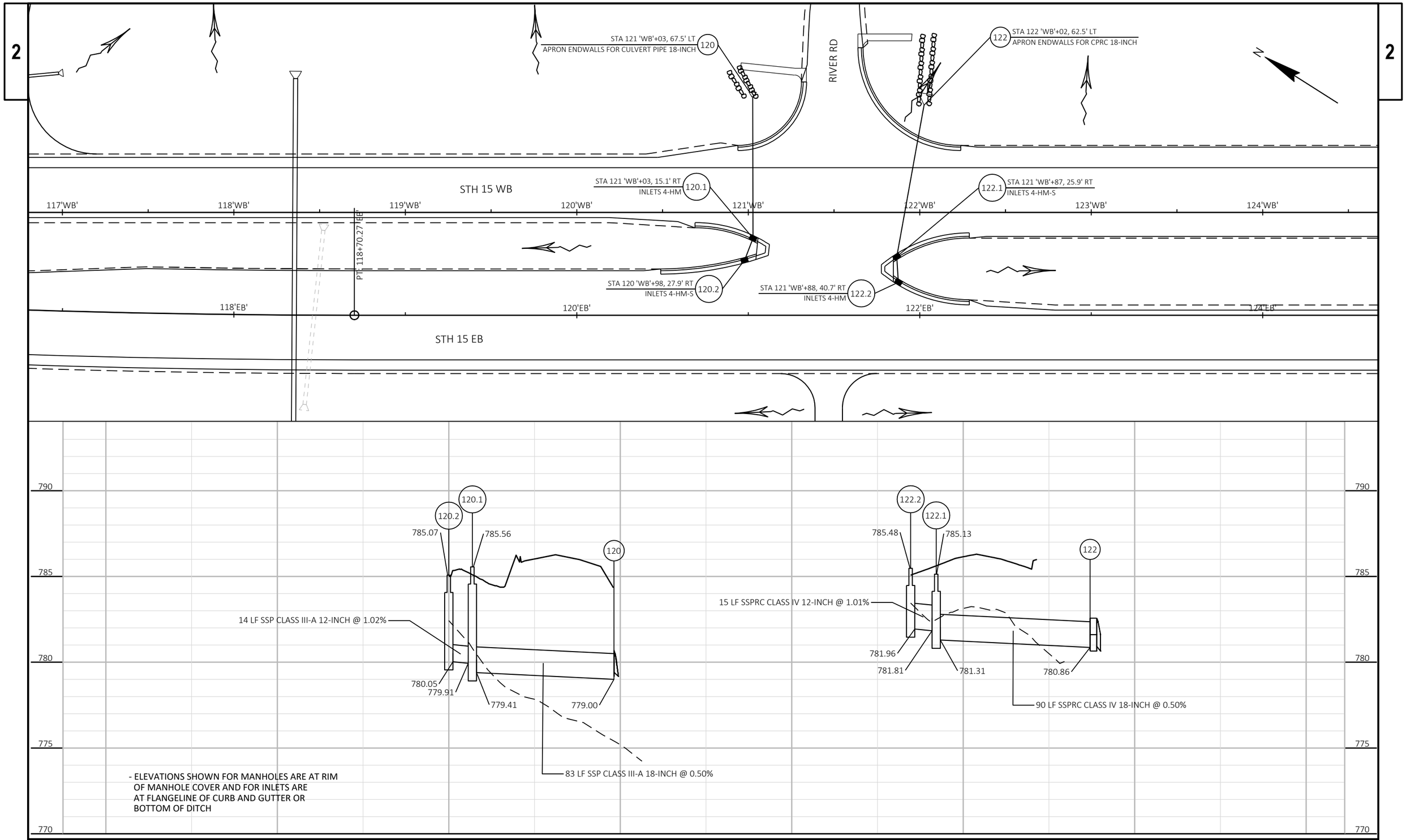
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022504_ss

PLOT DATE : 4/24/2023 1:50 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME :



- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 107	E



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 108	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022506_ss
PLOT DATE : 4/24/2023 1:50 PM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 41

2

2

128 STA 128 'WB'+00, 56.3' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH

STH 15 WB

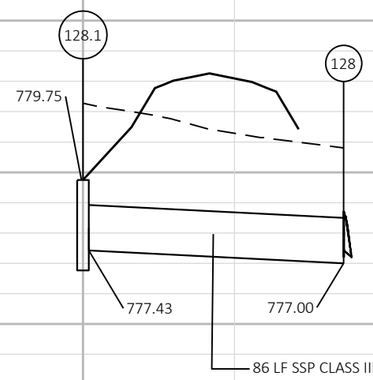
126'WB' 127'WB' 128'WB' 129'WB' 130'WB' 131'WB' 132'WB'

128.1 STA 128 'WB'+00, 29.7' RT
INLETS MEDIAN 1G-MS

126'EB' 128'EB' 130'EB' 132'EB'

STH 15 EB

790 785 780 775 770



86 LF SSP CLASS III-A 18-INCH @ 0.50%

- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 109	E

2

136 STA 136 'WB'+00, 59.2' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH

STH 15 WB

134'WB' 135'WB' 136'WB' 137'WB' 138'WB' 139'WB' 140'WB' 141

136.1 STA 136 'WB'+00, 28.8' RT
INLETS MEDIAN 1G-MS

134'EB' 136'EB' 138'EB' 140'EB'

STH 15 EB

780 775 770 765 760

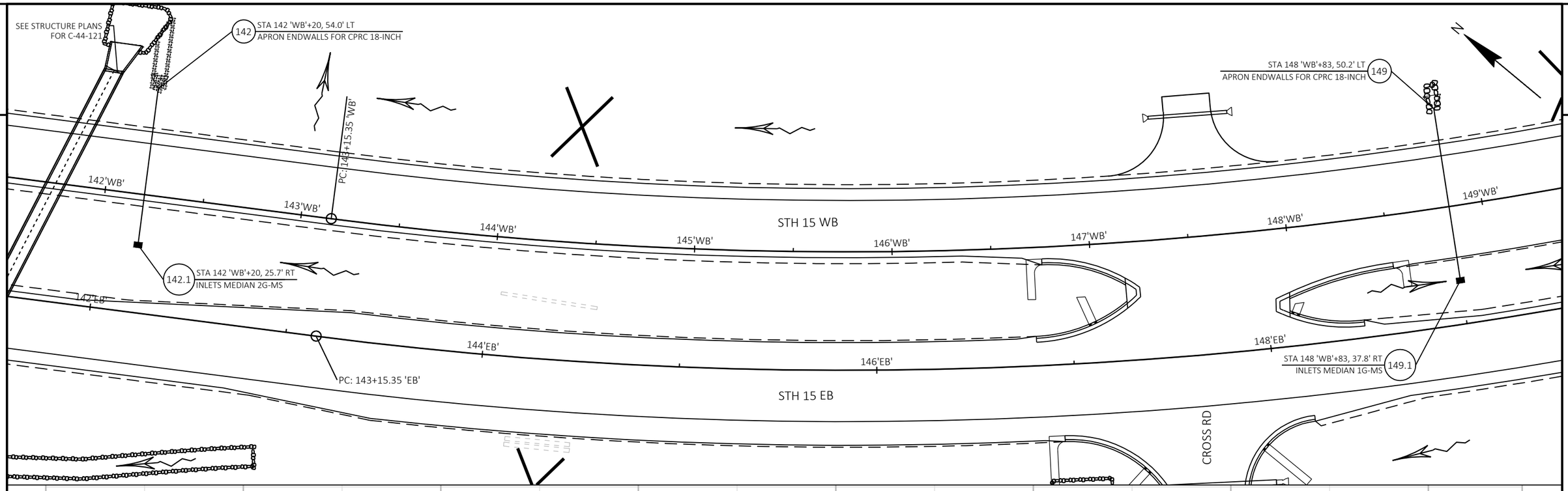
136.1
769.85
136
767.44
767.00

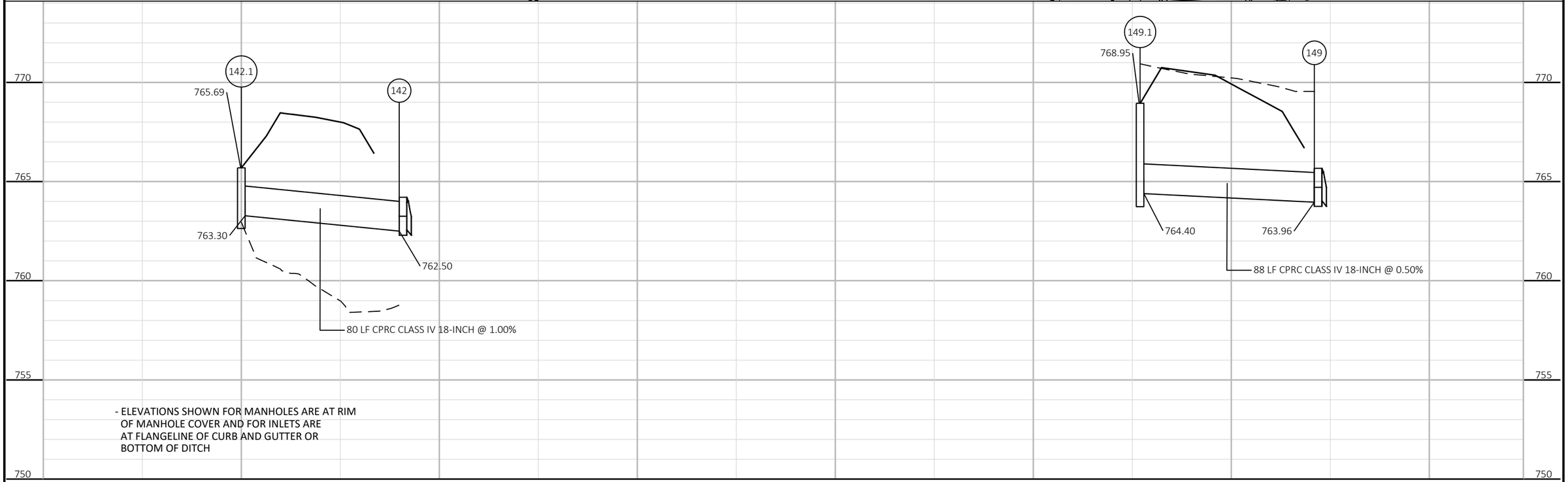
88 LF SSP CLASS III-A 18-INCH @ 0.50%

- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 110	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022508_ss
PLOT DATE : 4/24/2023 1:50 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : ##########





- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 111	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022509_ss

PLOT DATE : 4/24/2023 1:51 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : ##########

2

153 STA 152 'WB'+96, 50.7' LT
APRON ENDWALLS FOR CPRC 18-INCH

153.1 STA 152 'WB'+96, 31.1' RT
INLETS MEDIAN 1G-MS

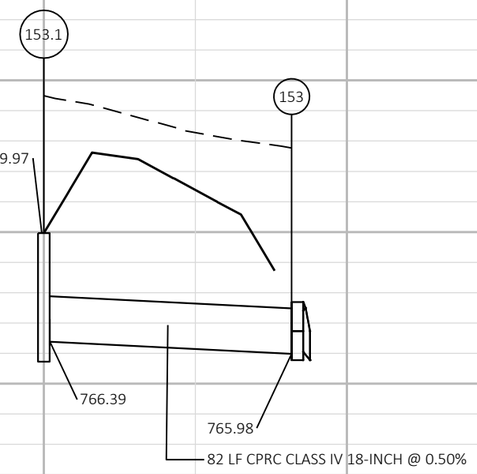
153'WB' 154'WB' 155'WB' 156'WB' 157'WB' 158'WB' 159'WB' 160'WB'

STH 15 WB

154'EB' 156'EB' 158'EB' 160'EB'

STH 15 EB

N



775 770 765 760 755

- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 112	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022510_ss
PLOT DATE : 4/24/2023 1:51 PM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 41

2

2

N

161 STA 162 'WB'+00, 66.9' LT
APRON ENDWALLS FOR CPRC 18-INCH

168 STA 168 'WB'+00, 60.7' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH

PT: 161+07.18 'WB'

STA AHEAD = 161+59.88 'WB'
STA BACK = 161+07.18'WB'
EQUATION

STH 15 WB

161'WB' 162'WB' 163'WB' 164'WB' 165'WB' 166'WB' 167'WB' 168'WB' 169'WB'

162'EB' 164'EB' 166'EB' 168'EB'

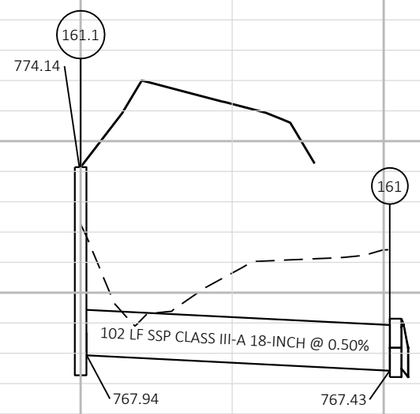
PT: 161+59.88 'EB'

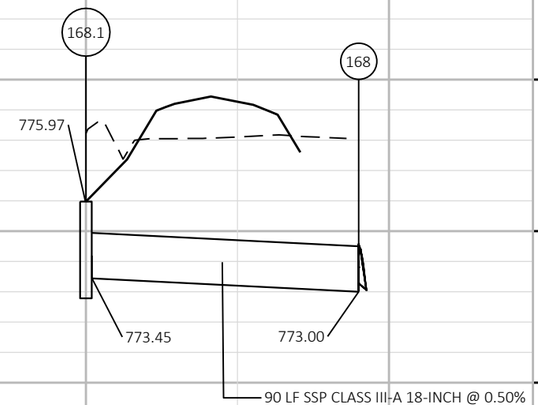
161.1 STA 162 'WB'+00, 35.1' RT
INLETS MEDIAN 1G-MS

STH 15 EB

168.1 STA 168 'WB'+00, 29.3' RT
INLETS MEDIAN 1G-MS

785
780
775
770
765



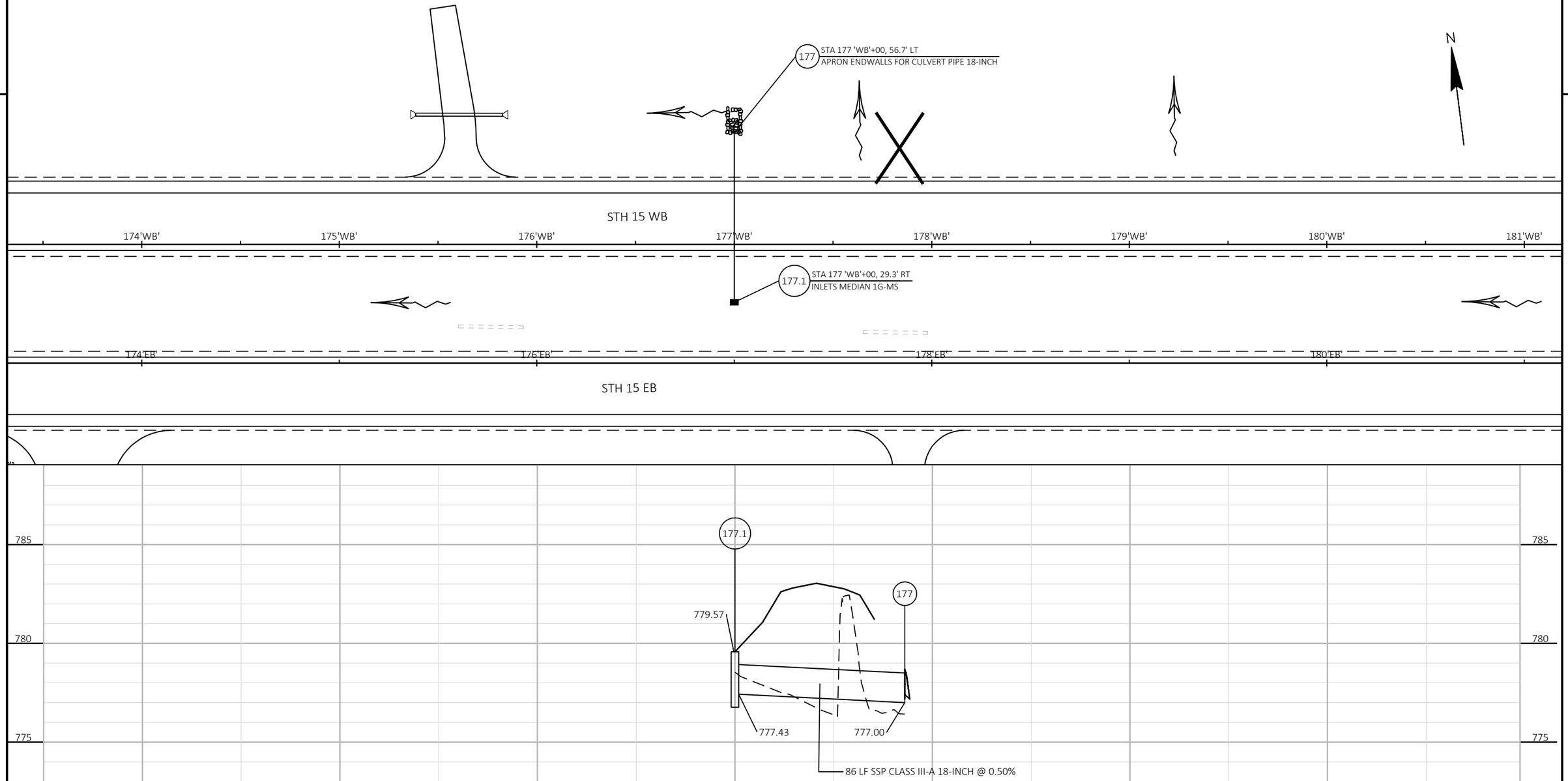


- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 113	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022511_ss
PLOT DATE : 4/24/2023 1:51 PM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 41

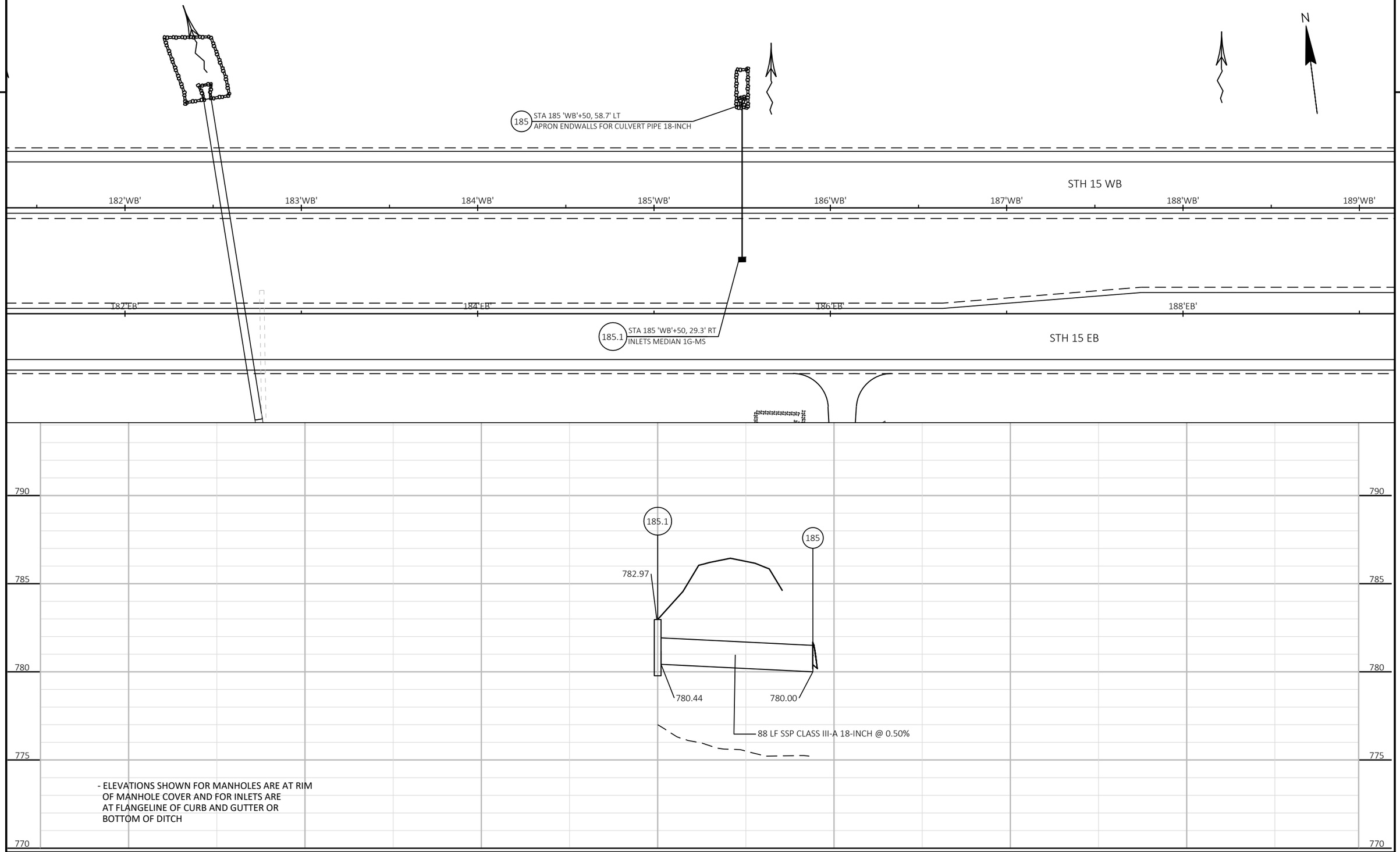
2



- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 114	E

2



- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

2

193 STA 192 'WB'+85, 59.8' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH

N

STH 15 WB

190'WB' 191'WB' 192'WB' 193'WB' 194'WB' 195'WB' 196'WB' 197'WB'

193.1 STA 192 'WB'+85, 32.2' RT
INLETS MEDIAN 1G-MS

190'EB' 192'EB' 194'EB' 196'EB'

STH 15 EB

2

795 790 785 780 775

193.1
786.42
193
92 LF SSP CLASS III-A 18-INCH @ 0.73%
783.67
783.00

- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 116 E

2

2

N

STA 201 'WB'+50, 63.7' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH
201

STH 15 WB

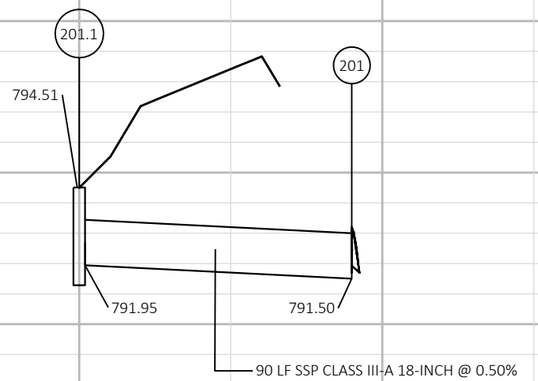
199'WB'
200'WB'
201'WB'
202'WB'
203'WB'
204'WB'
205'WB'

STA 201 'WB'+50, 26.3' RT
INLETS MEDIAN 1G-MS
201.1

200'EB'
202'EB'
204'EB'
198'EB'

STH 15 EB

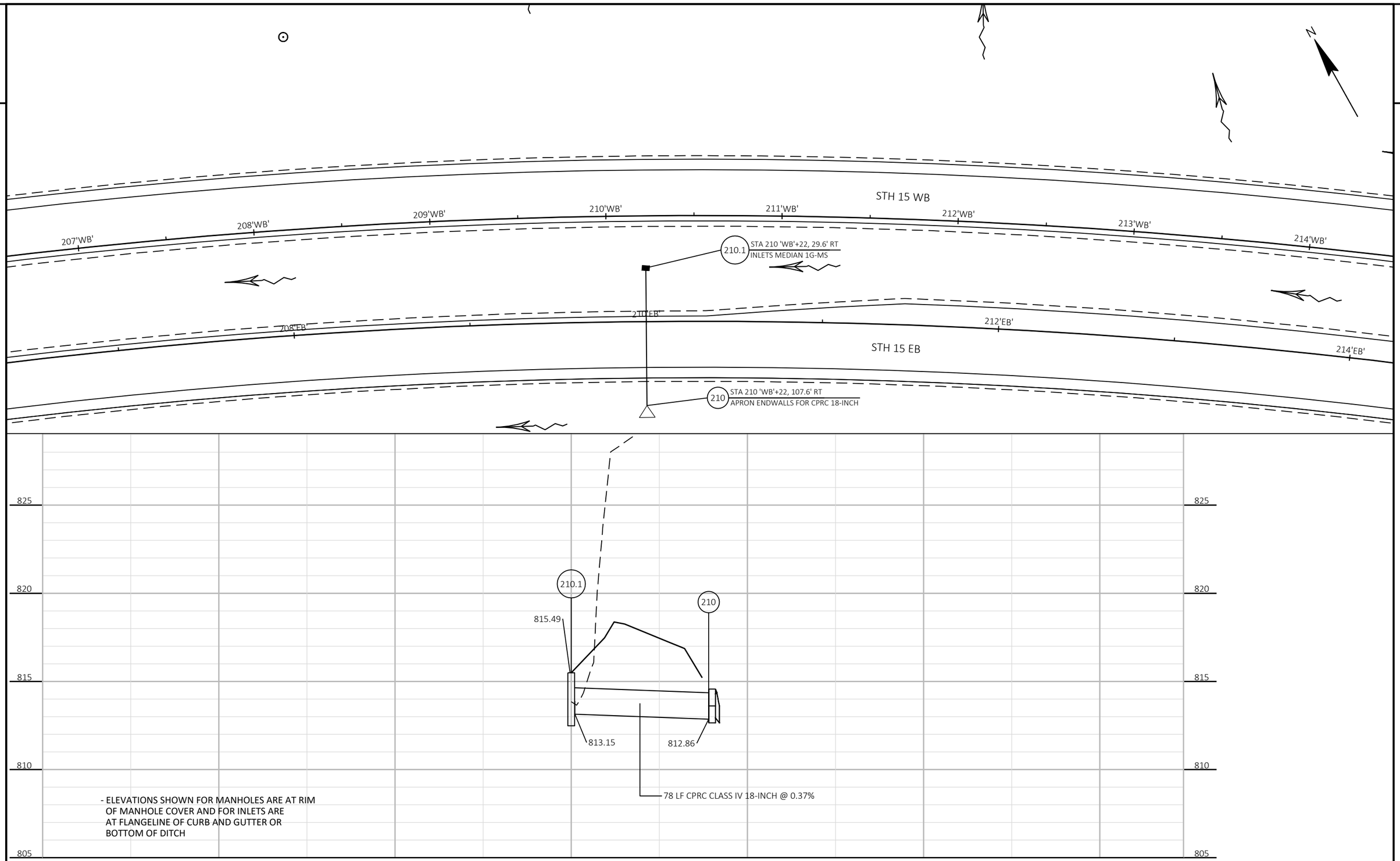
800
795
790
785
780



- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

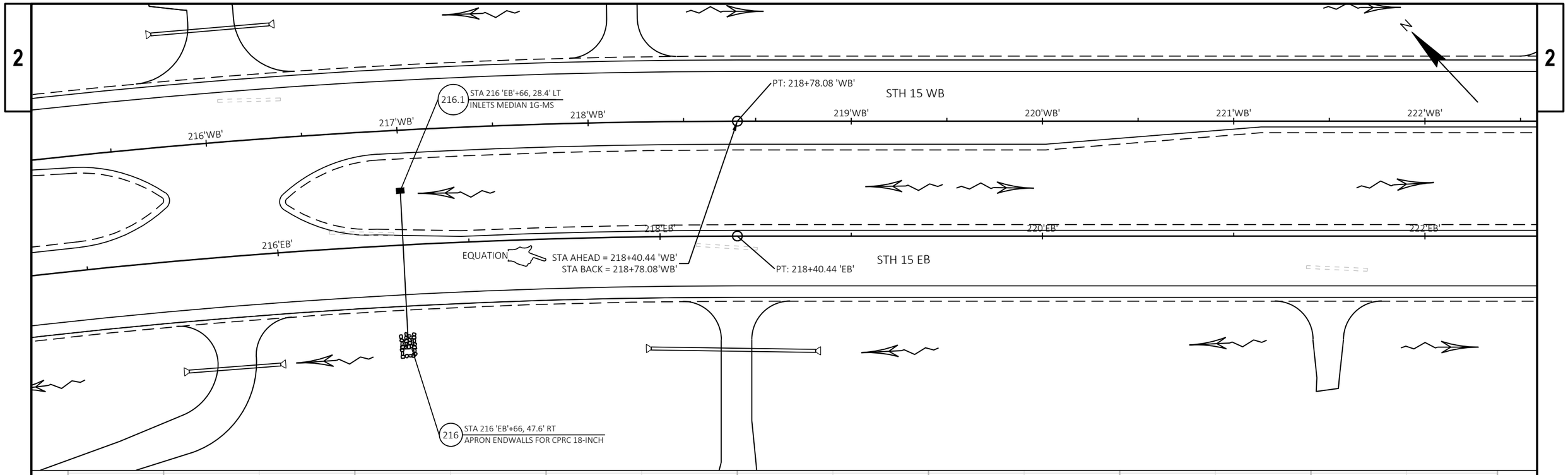
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 117	E

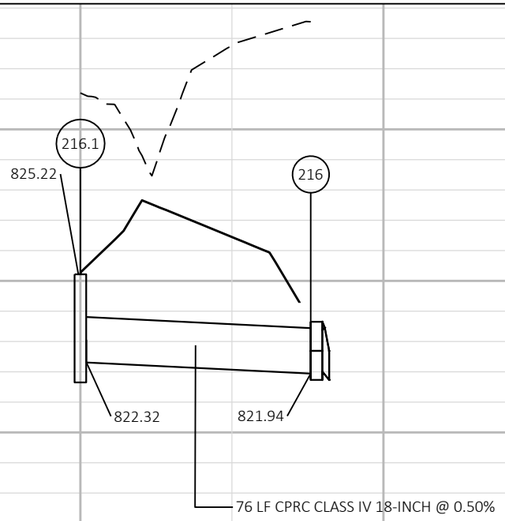
2



- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 118	E





- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 119	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022517_ss
PLOT DATE : 4/24/2023 1:51 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : ##########

2

227 STA 227 'WB'+51, 59.5' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH

SEE STRUCTURE PLANS
FOR C-44-122

STA 230 'WB'+37, 63.8' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH 231

STH 15 WB

225'WB' 226'WB' 227'WB' 228'WB' 229'WB' 230'WB' 231'WB' 232'WB'

226'EB' 228'EB' 230'EB' 232'EB'

227.1 STA 227 'WB'+51, 26.5' RT
INLETS MEDIAN 1G-MS

STH 15 EB

STA 231 'WB'+28, 26.9' RT 231.1
CATCH BASINS 5-MS
(SEE PLAN VIEW RECTANGULAR OPENING FOR
INLET COVERS TYPE MS IN CONSTRUCTION DETAILS.)

KELLY DR

825 820 815 810 805

227.1 227

820.34

86 LF SSP CLASS III-A 18-INCH @ 0.50%

817.35 816.92

231.1 231

816.41

813.42 812.76

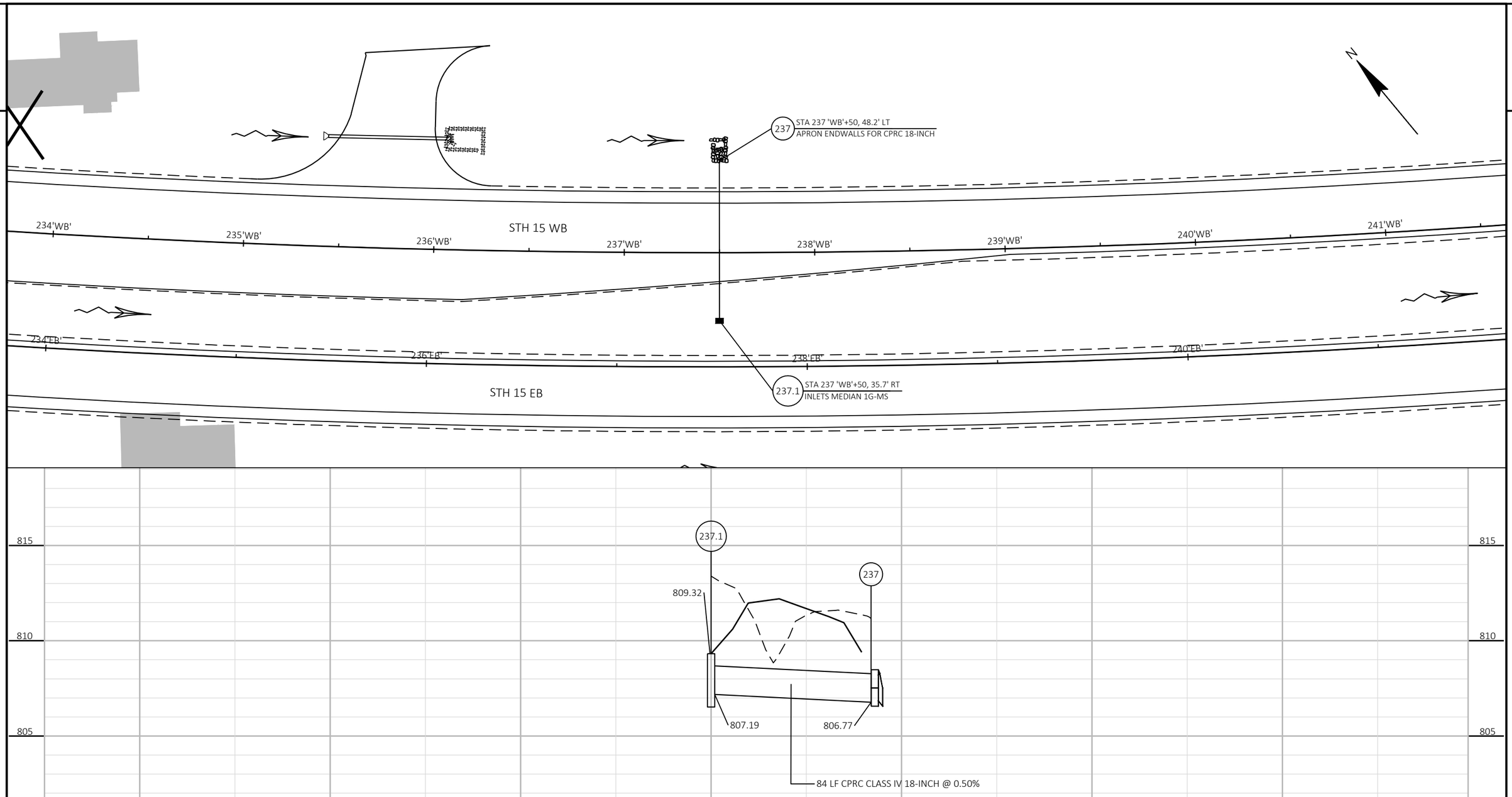
128 LF SSP CLASS III-A 18-INCH @ 0.52%

- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 120	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022518_ss
PLOT DATE : 4/24/2023 1:51 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 41

2



- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 121	E

2

SEE STRUCTURE PLANS
FOR C-44-123

245 STA 244 'WB'+90, 58.6' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH

STH 15 WB

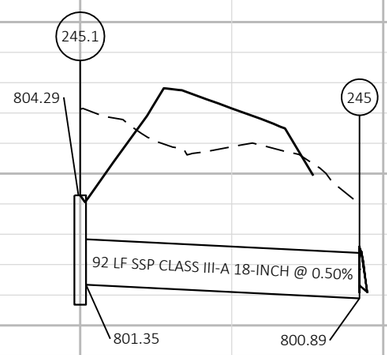
242'WB' 243'WB' 244'WB' 245'WB' 246'WB' 247'WB' 248'WB' 249'WB'

STA 243 'WB'+24, 33.7' RT
INLETS MEDIAN 2G-MS
(SEE STRUCTURE C-44-123 PLANS) 243.1

STA 244 'WB'+90, 33.5' RT
INLETS MEDIAN 1G-MS 245.1

242'EB' 244'EB' 246'EB' 248'EB'

STH 15 EB



810 805 800 795 790

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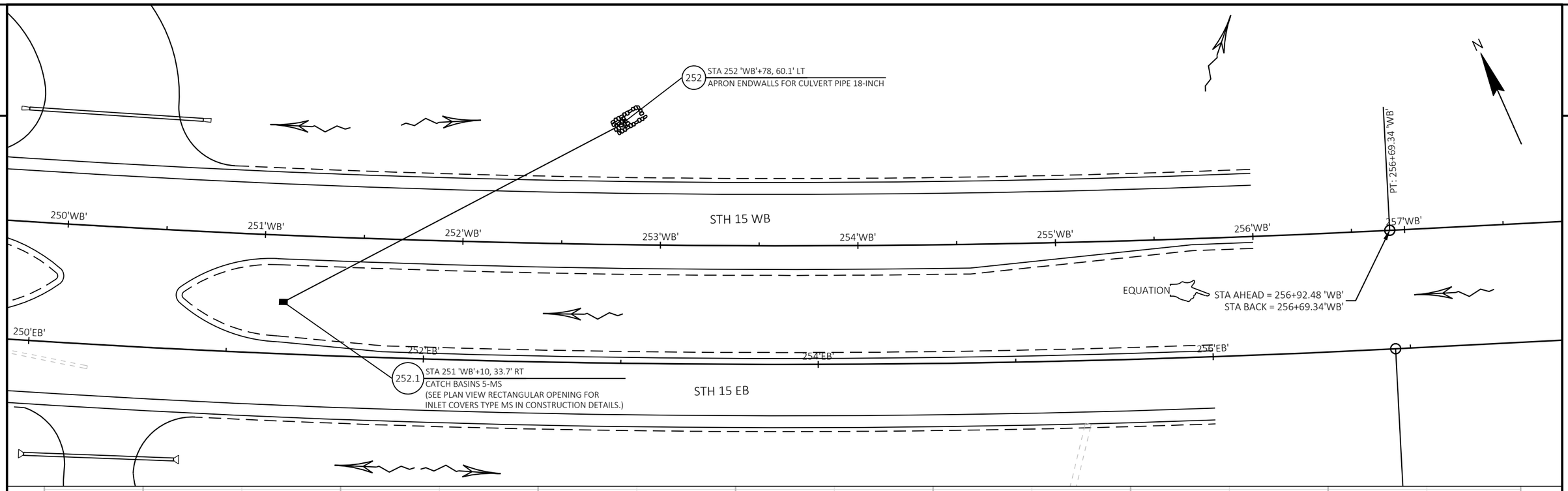
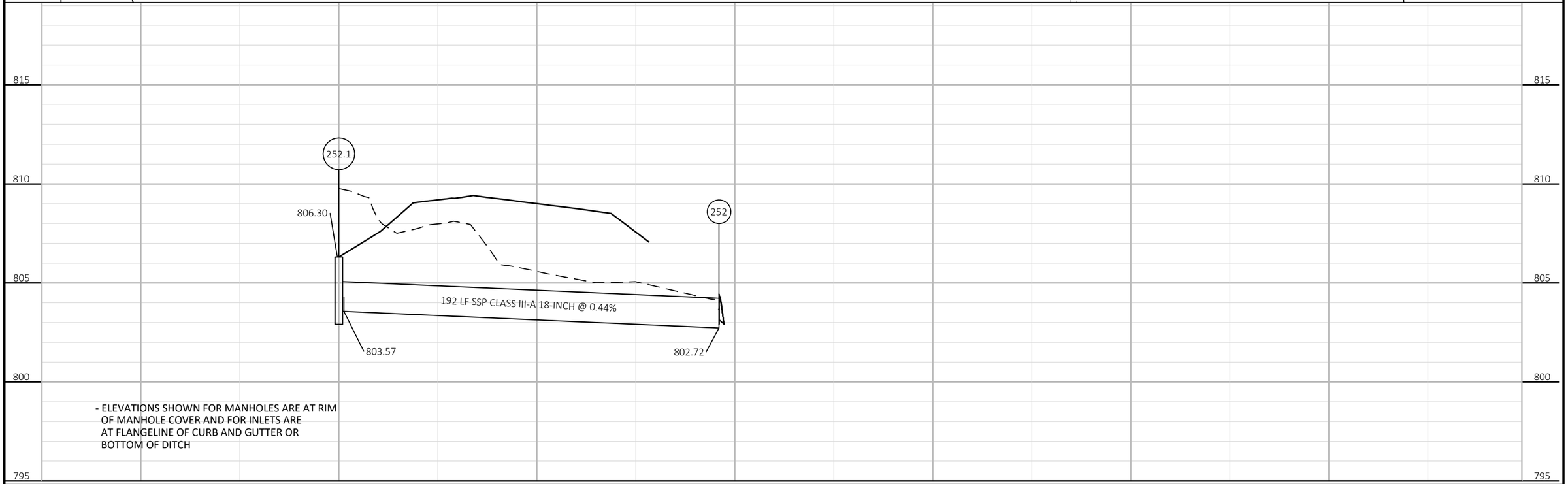
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 122	E

2





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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 123	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\022501_SS.DWG
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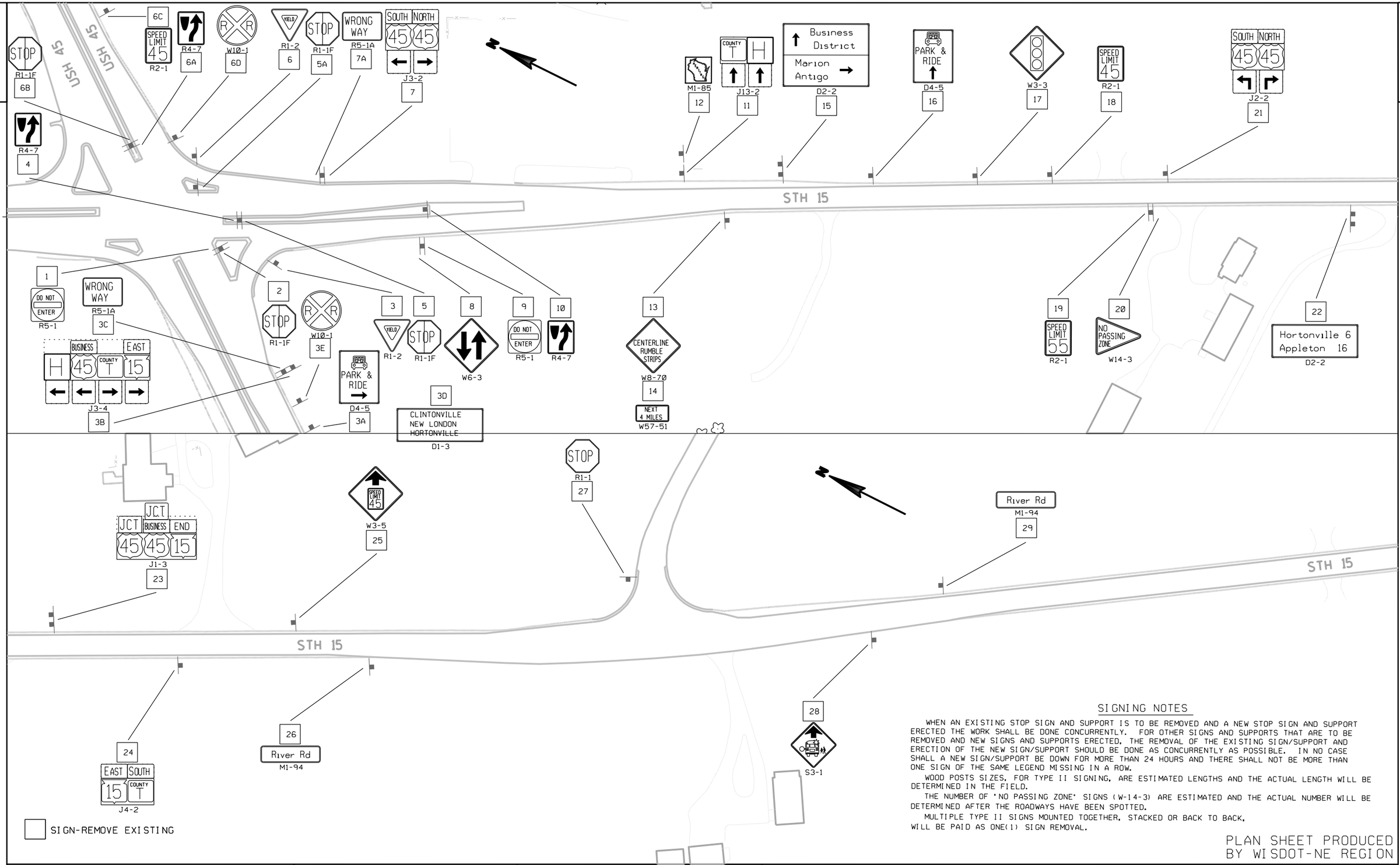

SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.

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PLAN SHEET PRODUCED BY WISDOT-NE REGION

PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	SIGN REMOVALS	SHEET	E

2

RIPRAP

RUINS

STH 15

NO PASSING ZONE
W14-3
31

NO PASSING ZONE
W14-3
32

30
W1-2L

33
S1-1
34
AHEAD
S16-9P

35
SCHOOL
SPEED LIMIT
45
WHEN CHILDREN ARE PRESENT
S4-51

36
W2-2
37
45
M.P.H.
W13-1

N

A/C

SIGN

STH 15

38
TRUCK ENTRANCE
W54-57

39
W1-6

40
STOP
R1-1

41
W1-6

SIGN-REMOVE EXISTING

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PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	SIGN REMOVALS	SHEET	E

2

2

N

SIGN

STH 15

42

NO PASSING ZONE

W14-3

SEPV

SEPC

T

PIER

N

SIGN

SIGN

STH 15

BERM

43

W11-3

44

NEXT 2 MILES

W57-51

SIGN-REMOVE EXISTING

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PLAN SHEET PRODUCED BY WISDOT-NE REGION

PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	SIGN REMOVALS	SHEET	E

FILE NAME :$$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADI

2

2

NO PASSING ZONE
W14-3
46

N

I55-56
47

SIGN

STH 15

FLAG
FLAG

SEPC

45
W1-2R

48
S3-1

SIGNING NOTES

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N

W1-2L
49

SIGN

STH 15

SIGN

SIGN

SIGN

W

W

W

W

SIGN-REMOVE EXISTING

PLAN SHEET PRODUCED BY WISDOT-NE REGION

PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	SIGN REMOVALS	SHEET	E

FILE NAME :$$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

STH 15

NURSERY

NURSERY

NURSERY

SIGN

SIGN

Dale →
M1-94
52

50
Kelly Dr
M1-94

FLAG

51
STOP
R1-1

W

W

N

WALLS

WALLS

NURSERY

NURSERY

NURSERY

W

W

W

W

STH 15

STH 15

SIGN

SIGN

53
NO PASSING ZONE
W14-3

SEPTIC

SEPV

SEPV

CANOPY

RUINS

FOOTBRIDGE

T

SIGN-REMOVE EXISTING

SIGNING NOTES

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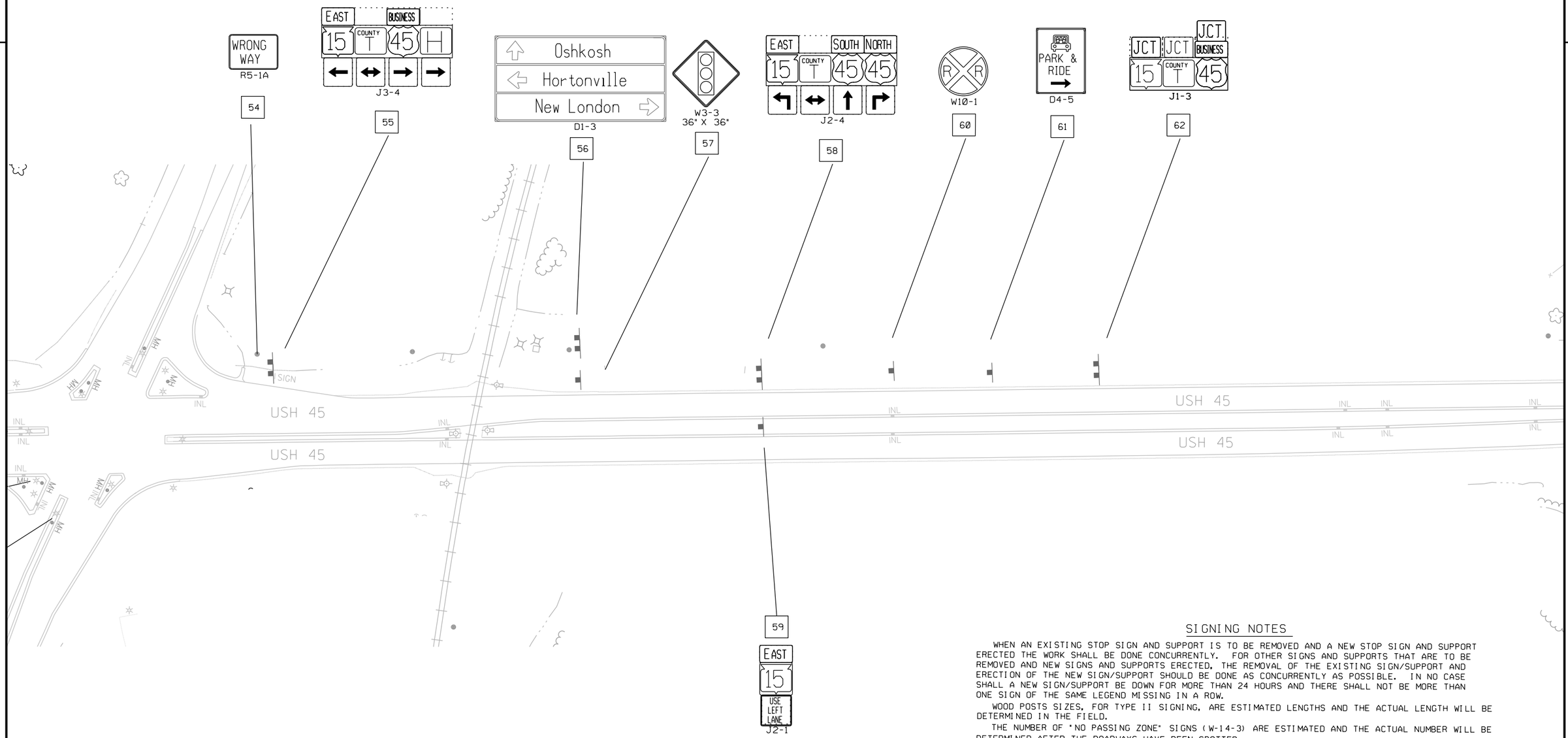
PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	SIGN REMOVALS	SHEET	E

2



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PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	SIGN REMOVALS	SHEET	E

2

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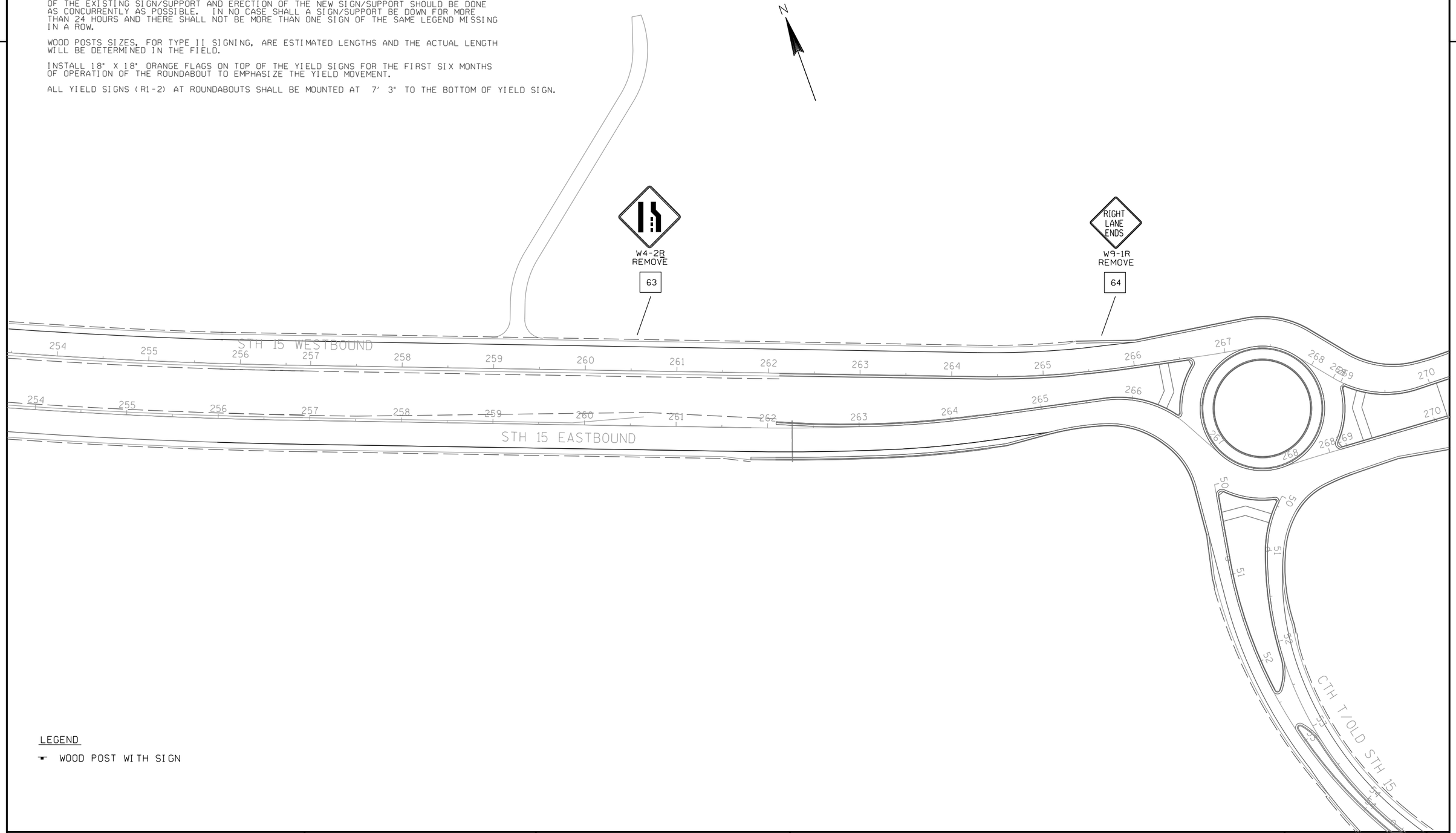
INSTALL 18" X 18" ORANGE FLAGS ON TOP OF THE YIELD SIGNS FOR THE FIRST SIX MONTHS OF OPERATION OF THE ROUNDABOUT TO EMPHASIZE THE YIELD MOVEMENT.

ALL YIELD SIGNS (R1-2) AT ROUNDABOUTS SHALL BE MOUNTED AT 7' 3" TO THE BOTTOM OF YIELD SIGN.



LEGEND

WOOD POST WITH SIGN

PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	SIGN REMOVALS	SHEET E

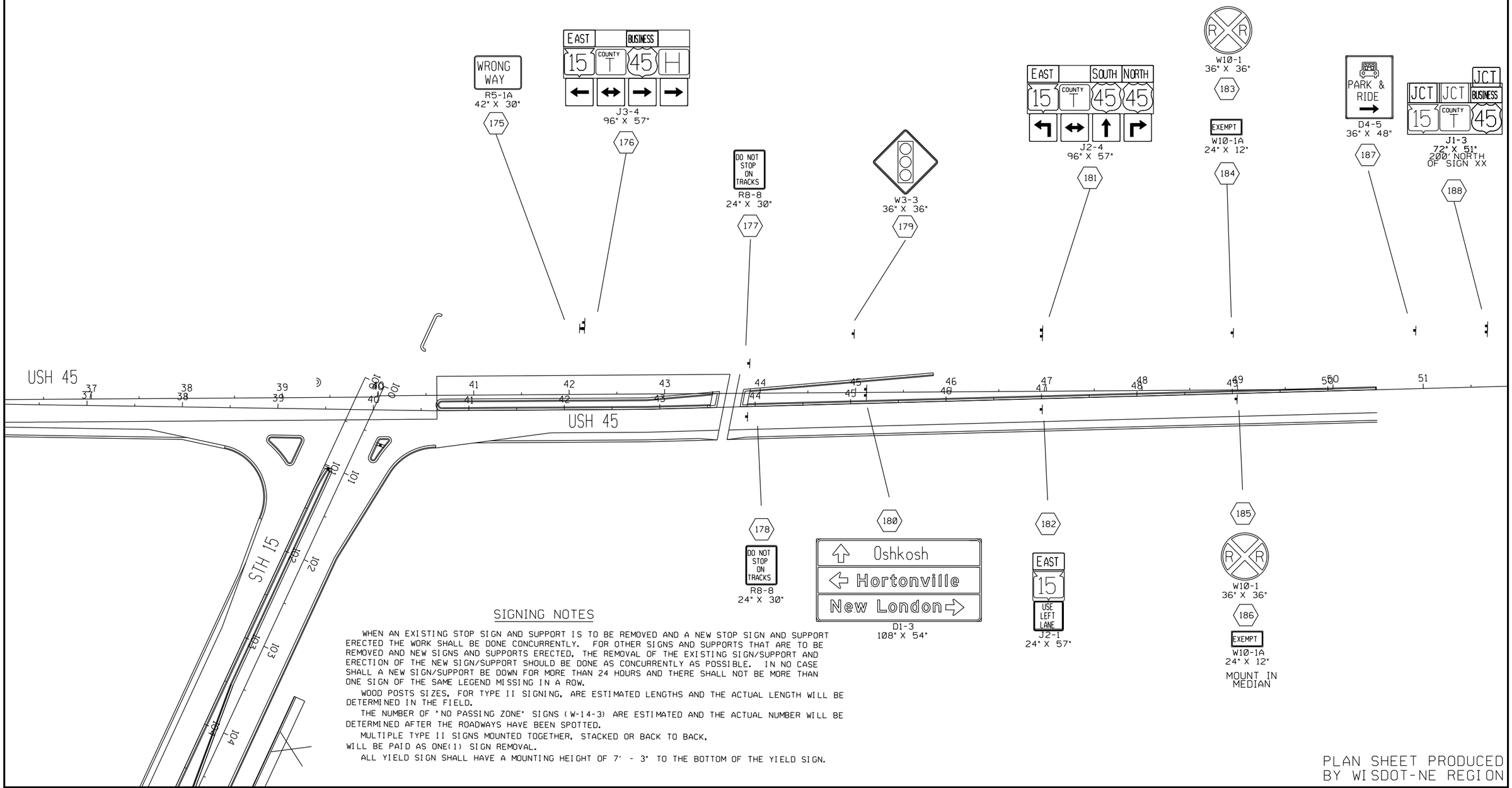
FILE NAME :$$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADL... SHEET 42

2

LEGEND

- WOOD POST WITH SIGN
- STEEL POST AND V-LOCK WITH SIGN
- SIGN-PLACE NEW

N



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ALL YIELD SIGN SHALL HAVE A MOUNTING HEIGHT OF 7' - 3" TO THE BOTTOM OF THE YIELD SIGN.

PLAN SHEET PRODUCED BY WISDOT-NE REGION

PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	PERMANENT SIGNING	SHEET E

2

LEGEND

- WOOD POST WITH SIGN
- STEEL POST AND V-LOCK WITH SIGN
- SIGN-PLACE NEW

N

216 SPEED LIMIT 45 R2-1 36" X 48"

215 A, 215 C — W10-1 RR 36" X 36"

215 B, 215 D — EXEMPT W10-1A 24" X 12"

2 LEFT LANES MUST TURN LEFT R3-7S 48" X 30" — 214 B

214 A — ONLY ONLY ONLY R3-8GGG 108" X 48"

215 — NORTH 45 J4-1 36" X 54"

MOUNT TO SIGNAL — YIELD R1-2 36" X 31" — 212

STOP R1-1F 36" X 36" — 211

STOP R1-1F 36" X 36" — 210

SOUTH 45 H COUNTY T NORTH 45 J3-4 96" X 57" — 218

ONLY ONLY ONLY R3-8W 54" X 30" — 219

Business District / Marion Antigo D1-3 84" X 66" — 221

SOUTH 45 BUSINESS 45 NORTH 45 J2-3 72" X 57" — 223

RIGHT LANE MUST TURN RIGHT R3-7R 36" X 36" — 220A

STOP R1-1 30" X 30" — 220 B

R4-7 24" X 30" — 228

JCT 45 JCT BUSINESS 45 END 15 J1-3 72" X 51" — 231

SPEED LIMIT 45 R2-1 36" X 48" — 231 A

214 STOP R1-1F 36" X 36"

213 R4-7 24" X 30"

209 MOUNT TO SIGNAL DO NOT ENTER R5-1 36" X 36"

208 R4-7 24" X 30"

206 MOUNT TO SIGNAL DO NOT ENTER R5-1 36" X 36"

WRONG WAY R5-1A 42" X 30" — 204

205 STOP R1-1F 36" X 36" MOUNT TO SIGNAL

207 YIELD R1-2 36" X 31"

217 WRONG WAY R5-1A 42" X 30"

220 EAST 15 COUNTY T J4-2 72" X 54"

222 SPEED LIMIT 45 R2-1 36" X 48"

222 A — Wolf River Run D1- 96" X 15"

224 — Hortonville 6 / Greenville 10 / Appleton 16 D2-2 102" X 48"

225 W3-3 48" X 48"

226 R4-7 24" X 30"

227 ONE WAY R6-2L 24" X 30"

229 SLOWER TRAFFIC KEEP RIGHT R4-3 36" X 48"

230 JCT 45 JCT BUSINESS 45 END 15 J1-3 72" X 51"

231 B SPEED LIMIT 55 R2-1 36" X 48"

203 BUSINESS H 45 COUNTY T EAST 15 J3-4 96" X 57"

202 — 202 A — W10-1 RR 36" X 36"

202 B, 202 C — EXEMPT W10-1A 24" X 12"

PARK & RIDE D4-5 36" X 48" — 201

Clintonville / New London / Hortonville D1-3 108" X 54" — 200

SIGNING NOTES

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PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	PERMANENT SIGNING	SHEET	E

FILE NAME :$$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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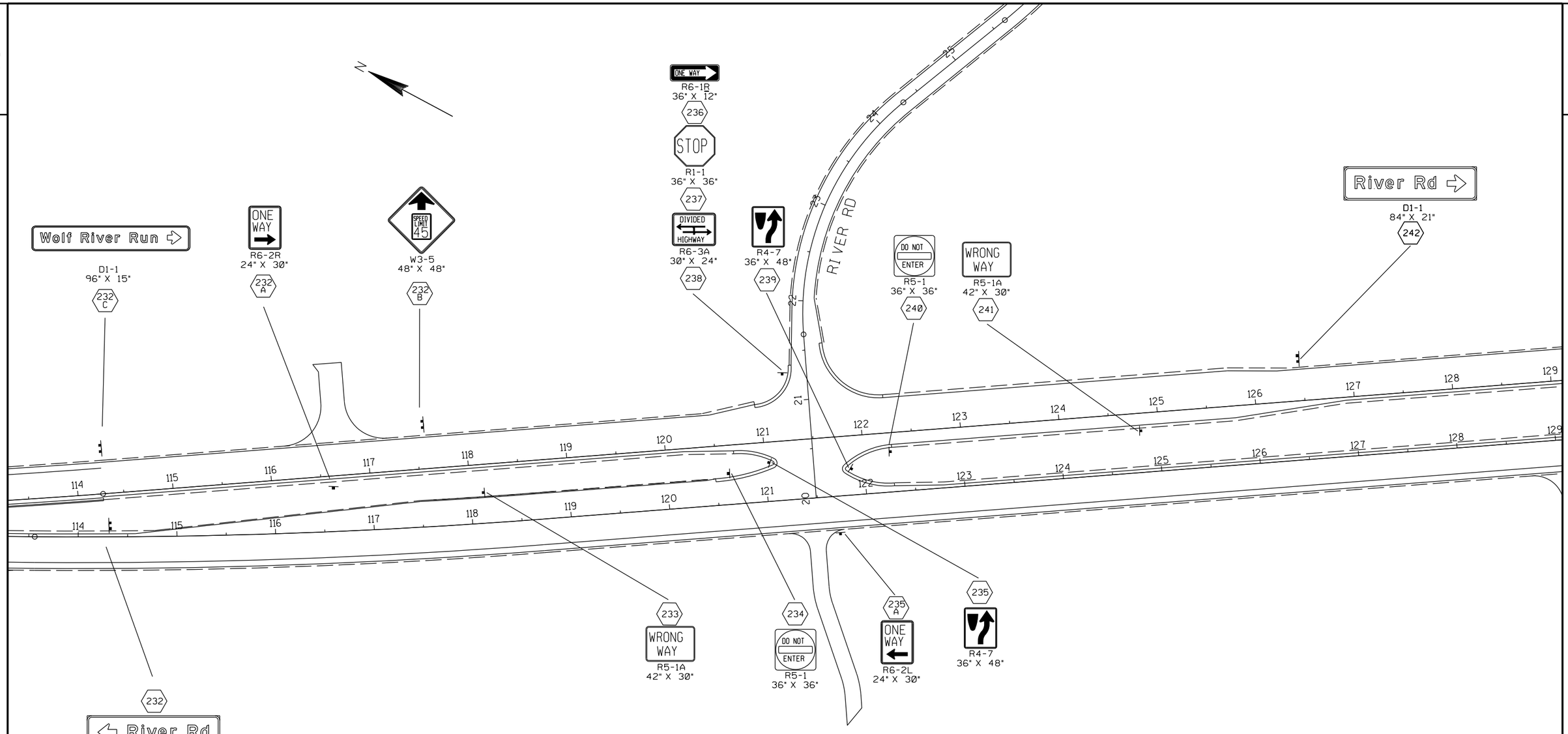

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LEGEND

- WOOD POST WITH SIGN
- STEEL POST AND V-LOCK WITH SIGN
- SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WISDOT-NE REGION

PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	PERMANENT SIGNING	SHEET E

FILE NAME :$$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADL... SHEET 42

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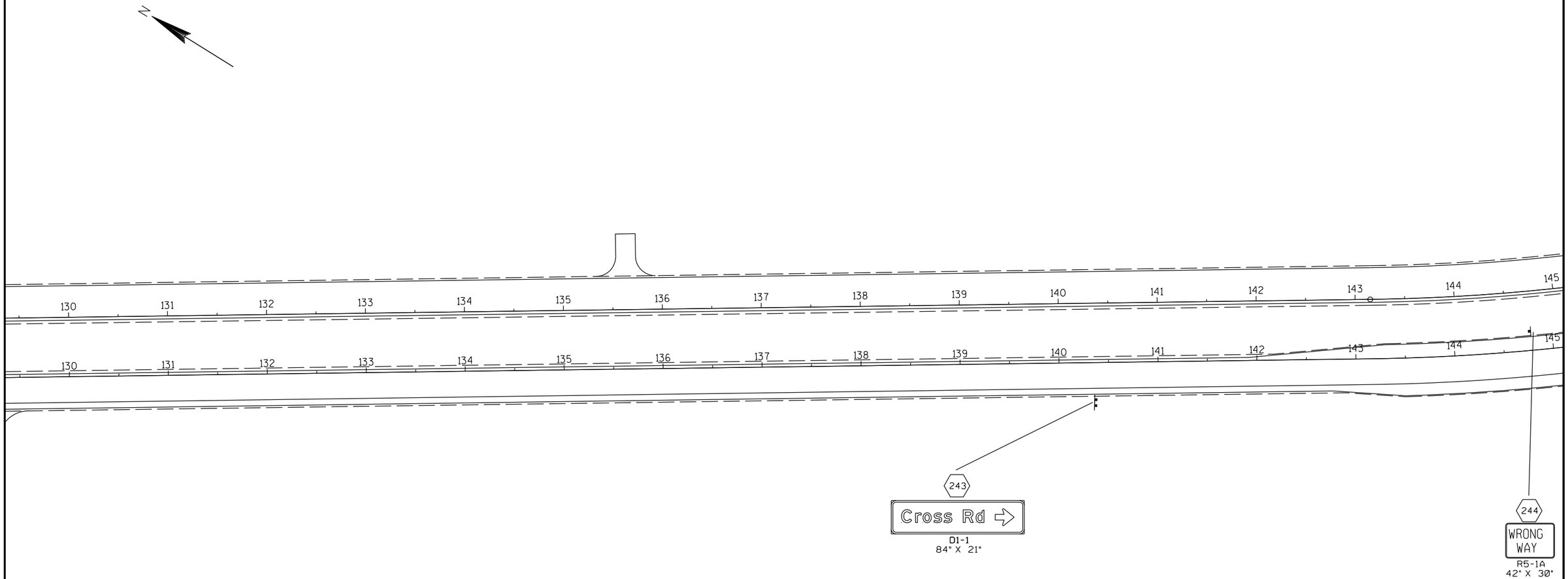

LEGEND

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- SIGN-PLACE NEW

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PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	PERMANENT SIGNING	SHEET E

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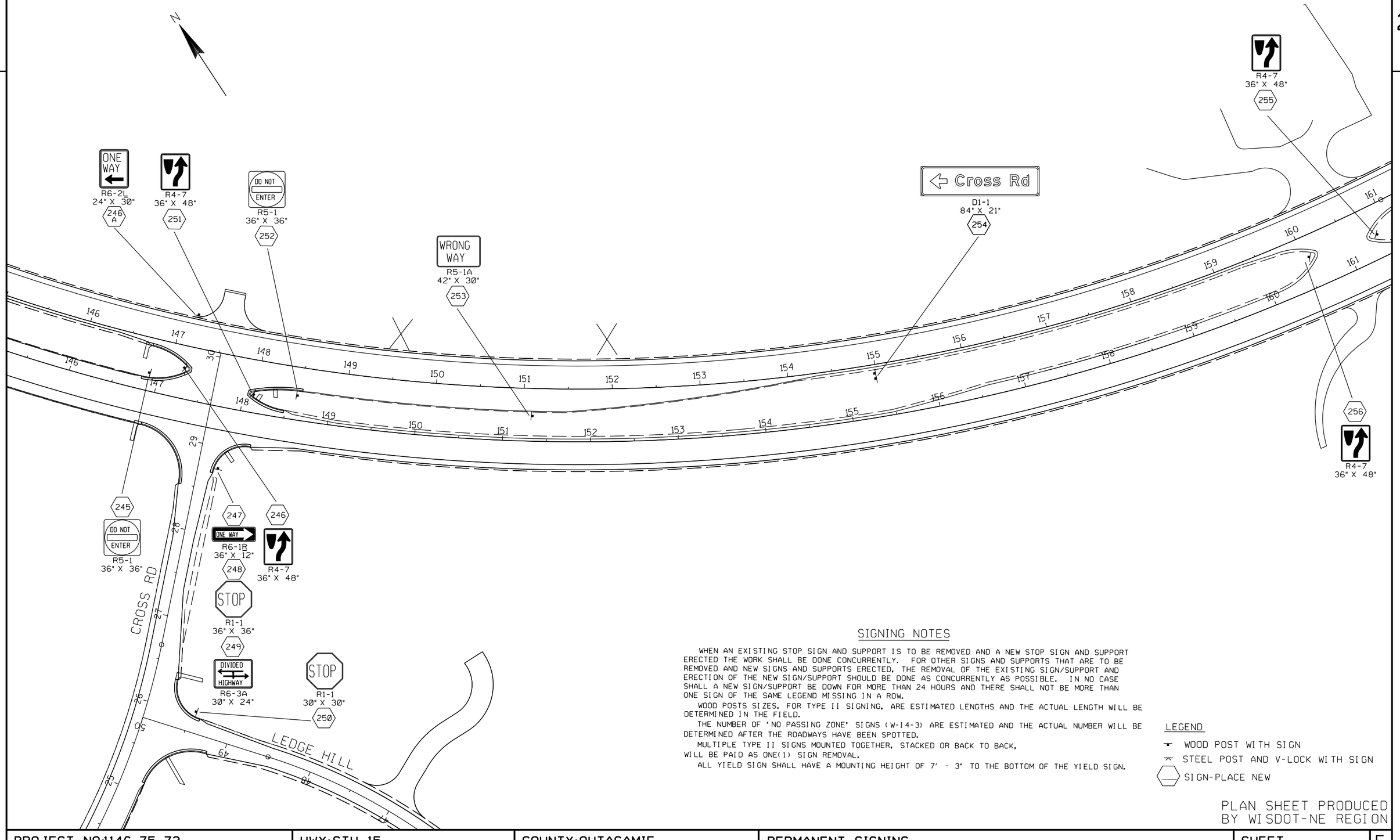

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WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

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ALL YIELD SIGN SHALL HAVE A MOUNTING HEIGHT OF 7' - 3" TO THE BOTTOM OF THE YIELD SIGN.

LEGEND

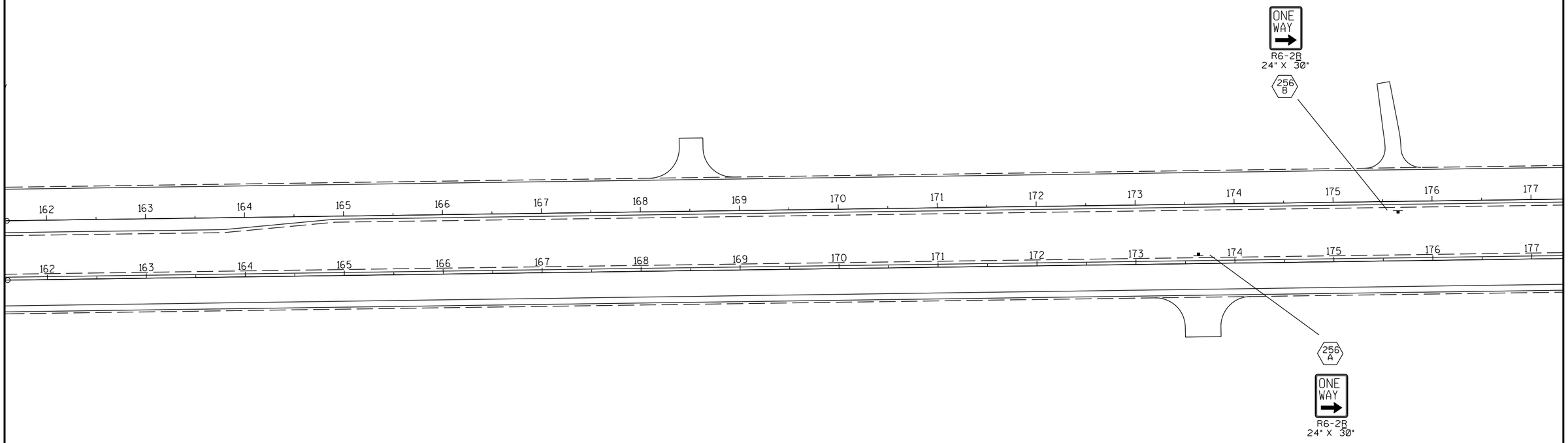
- WOOD POST WITH SIGN
- STEEL POST AND V-LOCK WITH SIGN
- SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WISDOT-NE REGION

PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	PERMANENT SIGNING	SHEET E

FILE NAME :$$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADD SHEET 42

2



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PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	PERMANENT SIGNING	SHEET E

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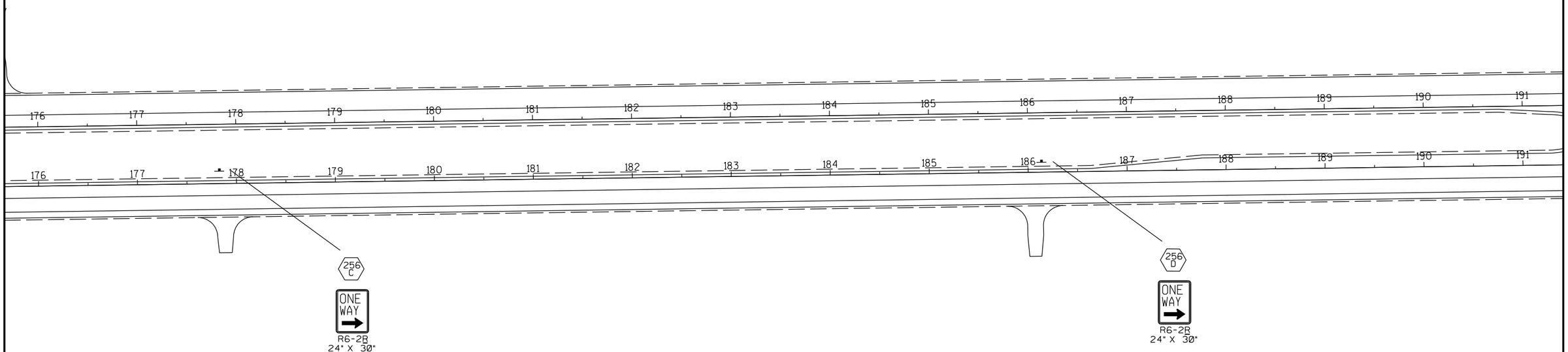

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PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	PERMANENT SIGNING	SHEET E

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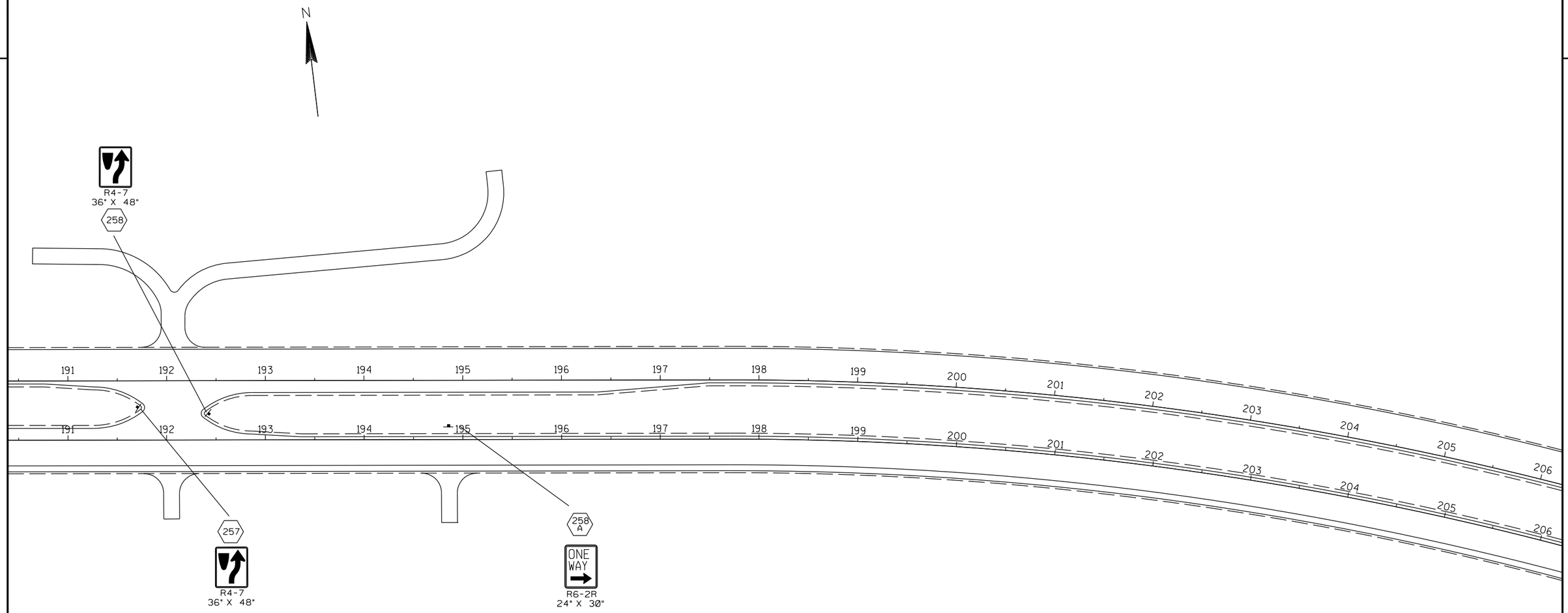

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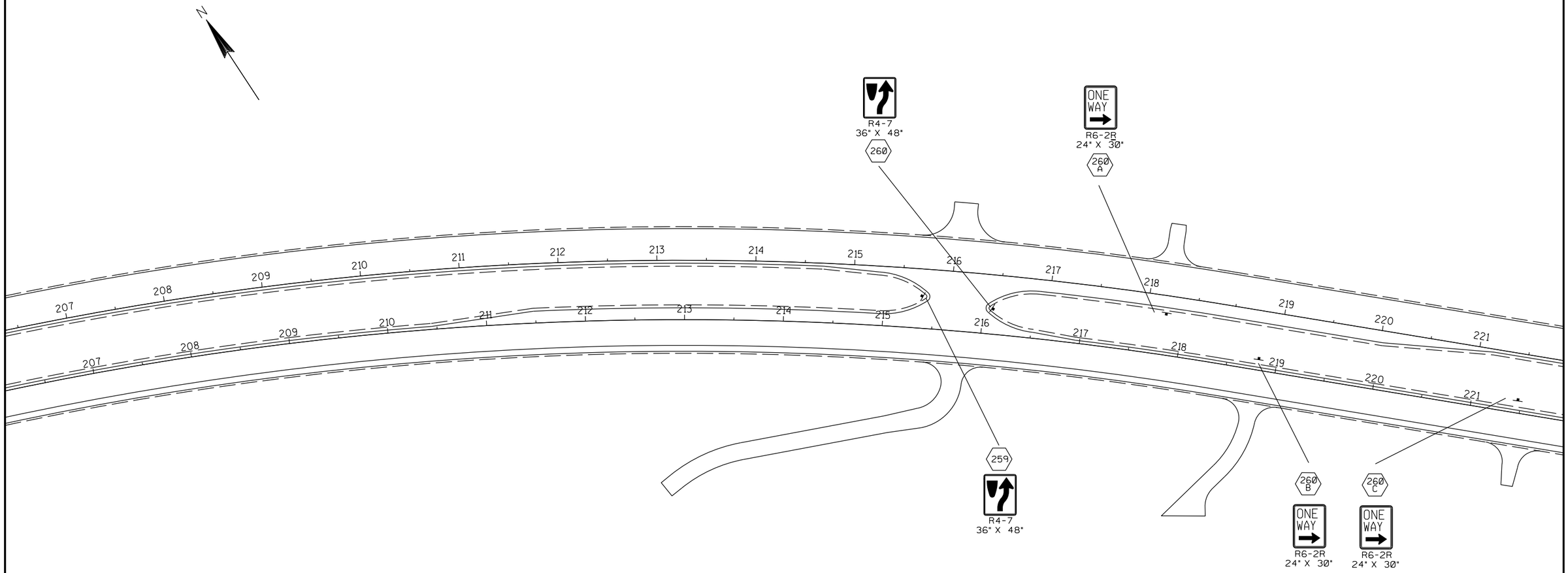

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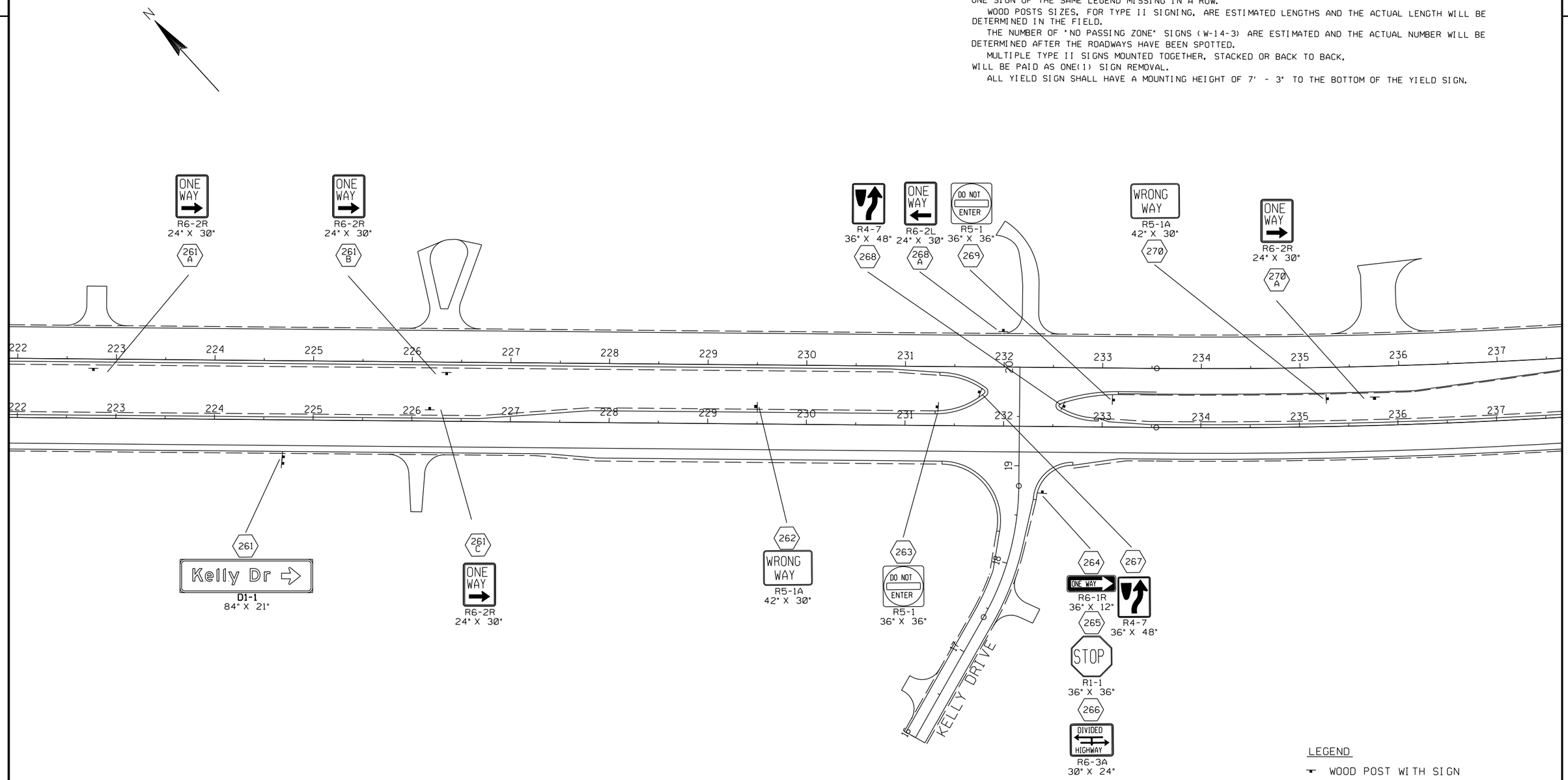

PLAN SHEET PRODUCED BY WISDOT-NE REGION

PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	PERMANENT SIGNING	SHEET E

FILE NAME :$$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

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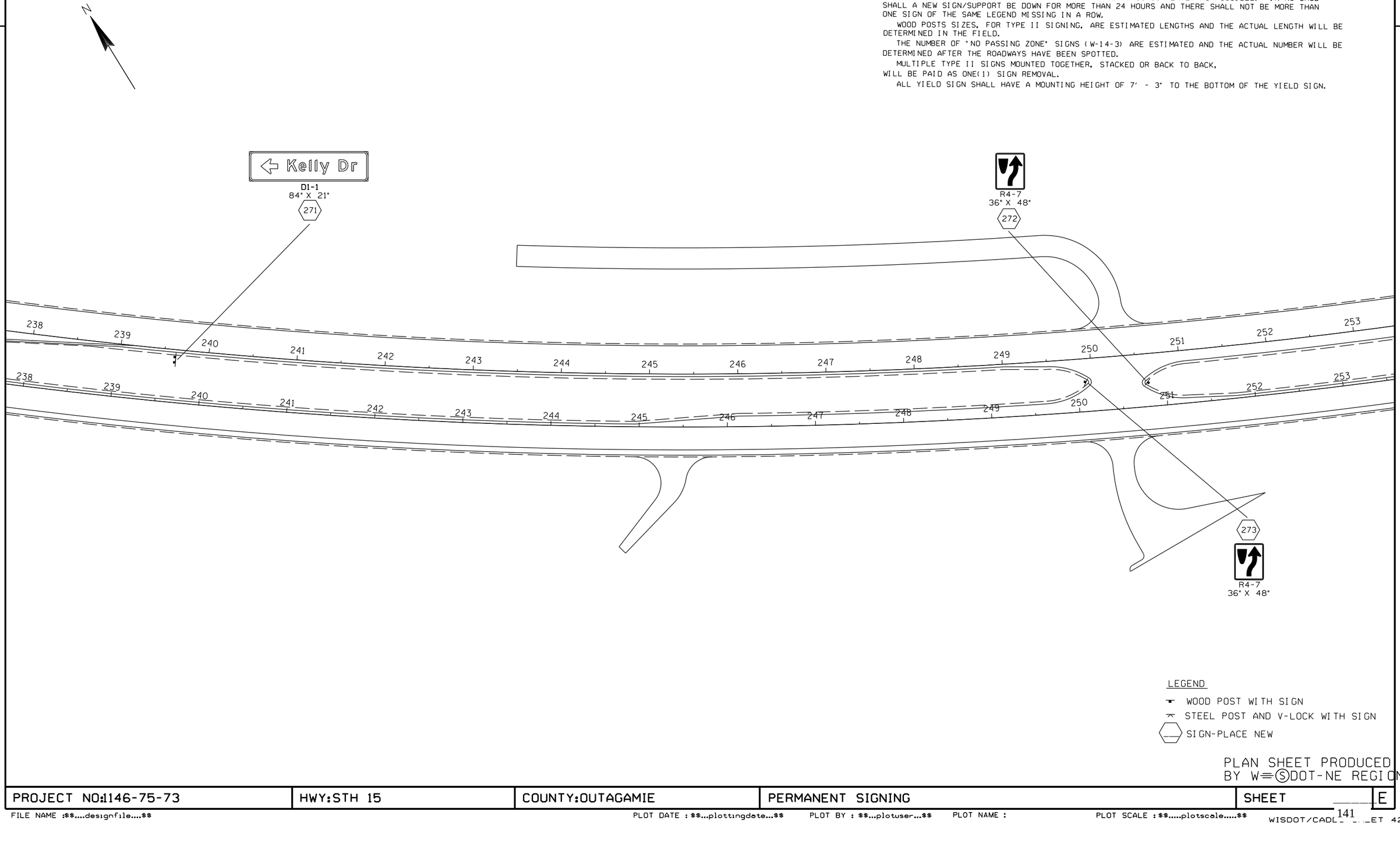

LEGEND

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- STEEL POST AND V-LOCK WITH SIGN
- SIGN-PLACE NEW

PLAN SHEET PRODUCED BY W=ⓈDOT-NE REGION

PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	PERMANENT SIGNING	SHEET E

FILE NAME :$$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADD SHEET 42

LEGEND

- PULL BOX 12" X 24"
- PULL BOX 24" X 36"
- PULL BOX 24" X 42"
- SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD, MAST-ARM MOUNT — 20'
- SIGNAL POLE, MONOTUBE ARM — 40'
- LUMINAIRE
- CONTROL CABINET BASE
- 3" CONDUIT (2" from PB to T1/T2 concrete base)
- SIGNAL HEAD NUMBER MOUNTING CONFIGURATION — 1A (R, Y, G)
- LOOP DETECTOR (in 1 " conduit) — 6' x 30', 51, 3T

MONOTUBE STRUCTURE NUMBERS	
SB4	S-44-0214
SB7	S-44-0215
SB10	S-44-0216
SB13	S-44-0217

240 VOLT SYSTEM

III-LED A-12-5-A-1

LCB1 LB1

SALVAGE SIGNAL CABINET
REMOVE CONCRETE BASE

INSTALL SIGNAL CABINET
OUTSIDE OF VISION TRIANGLE

CB1 PB1 PB2

SPLICE CONDUIT TOGETHER

CONFIGURATION WITH HEAD NUMBERS

3-VR2	3-V	3-VL	4-VLFY
OLA-1 OLA-2	2A, 2B, 2C 4A, 4B, 4C 6A, 6B, 6C 8A, 8B, 8C	1A, 1B, 1C 5A, 5B 5C, 5D	3A, 3B 3C, 7A 7B, 7C

PB22 PB18 PB20 PB19 PB16 PB17 PB15 PB14 PB13 PB12 PB11 PB10 PB9 PB8 PB7 PB6 PB5 PB4 PB3 PB21

SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8 SB9 SB10 SB11 SB12 SB13

SALVAGE SIGNAL
SALVAGE SIGNAL
REMOVE CONCRETE BASE
SALVAGE SIGNAL
SHAVE BOLT
SALVAGE SIGNAL
SALVAGE SIGNAL
REMOVE CONCRETE BASE
SALVAGE SIGNAL
REMOVE CONCRETE BASE
SALVAGE SIGNAL
REMOVE CONCRETE BASE

205' TO NEAR RIGHT SIGNAL
Overlap "H"
405' TO NEAR RIGHT SIGNAL
190' TO NEAR RIGHT SIGNAL
Overlap "F"
Overlap "A"
205' TO NEAR RIGHT SIGNAL
190' TO NEAR RIGHT SIGNAL

USH 45
USH 45 SB
ONLY
ONLY
Asphalt
40'/SHF

GENERAL NOTES

THE LOCATION 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 VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

TUNNEL VISORS NOTE

SIGNAL HEADS # 1C, 4B, 5D, 8B, & OLA-2 SHALL HAVE TUNNEL VISORS.

Rev. No.	Date	REVISION	Approval Recommended Date	Approval Recommended By	Approved Date	Approved By (Central Office)
2	5/14/14	MODIFIED LEFT-TURN PHASES 1 & 5 FROM PROTECTED-PERMITTED TO PROTECTED-ONLY NEW ECONOLITE TS2 CABINET, ADD MONOTUBES, FYA, AND CHANGE PHASES 1 & 5 TO PROTECTED ONLY	7/25/19	RLJ	7/25/19	RLJ

TRAFFIC CONTROL SIGNAL
USH 45 & STH 15/BUS 45
CITY OF NEW LONDON
OUTAGAMIE COUNTY

SIGNAL NO. S68-0859 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date 7-31-2001 Robert J. Schuurmans, REGION TRAFFIC ENGINEER

APPROVED
Date 8-3-2001 William C. Gilding, STATE TRAFFIC ENGINEER

Region Contact: RJS
Designed by: RJS

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL SIGNAL - S68-0859	SHEET 142	E

FILE NAME : F:\D3_TRAFFI\S68-0859 (NEW LONDON)(NCR)\S68-0859 2.0.DWG
LAYOUT NAME - S68-0859-tcs1
PLOT DATE : 3/17/2023 10:29 AM PLOT BY : TALCOTT, MATTHEW J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

CONSTRUCTION NOTE:

CONDUIT TO BE TRENCHED IN AT A MINIMUM OF 6 FEET BELOW BASE OF RAIL ELEVATION

GENERAL NOTES

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- PULL BOX 12" X 24"
- PULL BOX 24" X 36"
- PULL BOX 24" X 42"
- SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD, MAST-ARM MOUNT — 20'
- SIGNAL POLE, MONOTUBE ARM — 40'
- LUMINAIRE
- CONTROL CABINET BASE
- 3" CONDUIT (2" from PB to T1/T2 concrete base)
- SIGNAL HEAD NUMBER MOUNTING CONFIGURATION — 1A, R, Y, G
- LOOP DETECTOR (in 1 " conduit) — 6', 30', 3T, 51

INSTALL 3" RIGID CONDUIT FROM PB25 to PB26

SPLICE CONDUIT TOGETHER

NEW LOOP AT 405'

PB26

PB25

18'

6'

405' TO NEAR RIGHT SIGNAL

21

20'

4T

45 USH

TRAFFIC CONTROL SIGNAL
USH 45 & STH 15/BUS 45
CITY OF NEW LONDON
OUTAGAMIE COUNTY

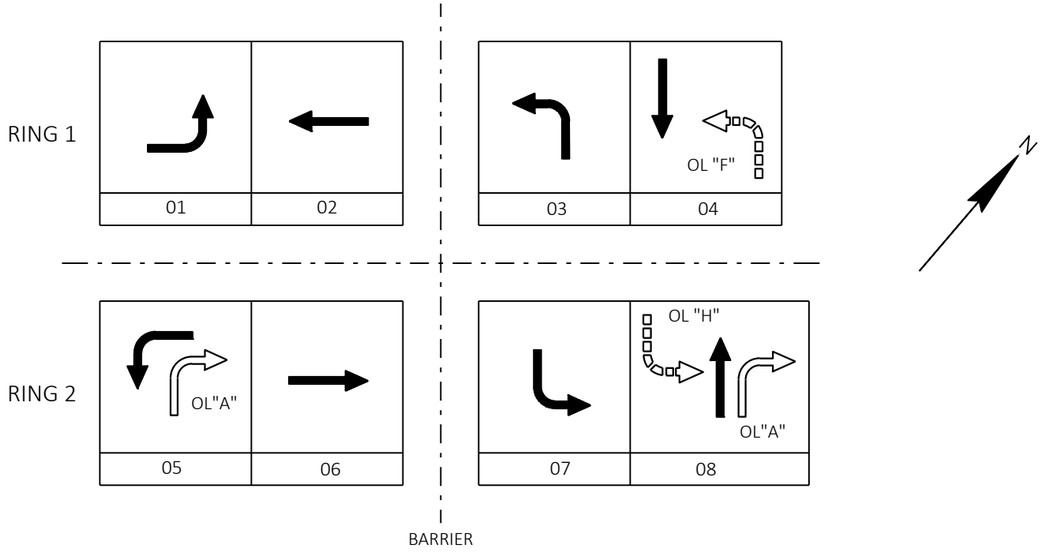
Region Contact: RJS
Designed by: RJS

CONTROLLER TYPE: ECONOLITE

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL SIGNAL - S68-0859	SHEET 143	E

FILE NAME : F:\D3_TRAFFI\S68-0859 (NEW LONDON)(NCR)\S68-0859.DWG
LAYOUT NAME - S68-0859-tcs2
PLOT DATE : 12/1/2022 11:39 AM
PLOT BY : MARTENS, JOHN M
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
01	1A, 1B, 1C	R
02	2A, 2B, 2C	R
03	3A, 3B, 3C	R
04	4A, 4B, 4C	R
05	5A, 5B, 5C, 5D	R
06	6A, 6B, 6C	R
07	7A, 7B, 7C	R
08	8A, 8B, 8C	R
OLA	OLA-1, OLA-2	R
OLE		
OLF	3A, 3B, 3C	
OLG		
OLH	7A, 7B, 7C	



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

OVERLAP STANDARD

OL "A" = 5, 8

SPECIAL OVERLAPS

	Protected	Permissive
O.L. "F"	3	4
O.L. "H"	7	8

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR*	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S00-0000
SIGNAL SYSTEM #:	SS00-0000

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29
PLAN LOOP DETECTOR #(S)	61	11	21	51	53	71	41	43	31	81	83	85				
PHASE	6	1	2	5	5	7	4	4	3	8	8	8				
CALL OPTION	X	X	X	X	X	X		X	X		X	X				
DELAY TIME												15.0				
EXTEND OPTION	X	X	X	X	X	X	X	X	X	X	X	X				
EXTEND TIME	5.0	2.0	5.0	2.0	2.0	3.0	2.0	2.0	3.0	2.0	2.0	2.0				
USE ADDED INITIAL	X		X													
CROSS SWITCH PHASE																

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30
PLAN LOOP DETECTOR #(S)	*62	12	*22	52	54		42	44		82	84					
PHASE		1		5	5		4	4		8	8					
CALL OPTION		X		X	X		X	X		X	X					
DELAY TIME																
EXTEND OPTION		X		X	X		X	X		X	X					
EXTEND TIME		2.0		2.0	2.0		2.0	2.0		2.0	2.0					
USE ADDED INITIAL																
CROSS SWITCH PHASE																

*Disconnect Loops 22 and 62 at cabinet (installed for potential future use)

GENERAL NOTES:

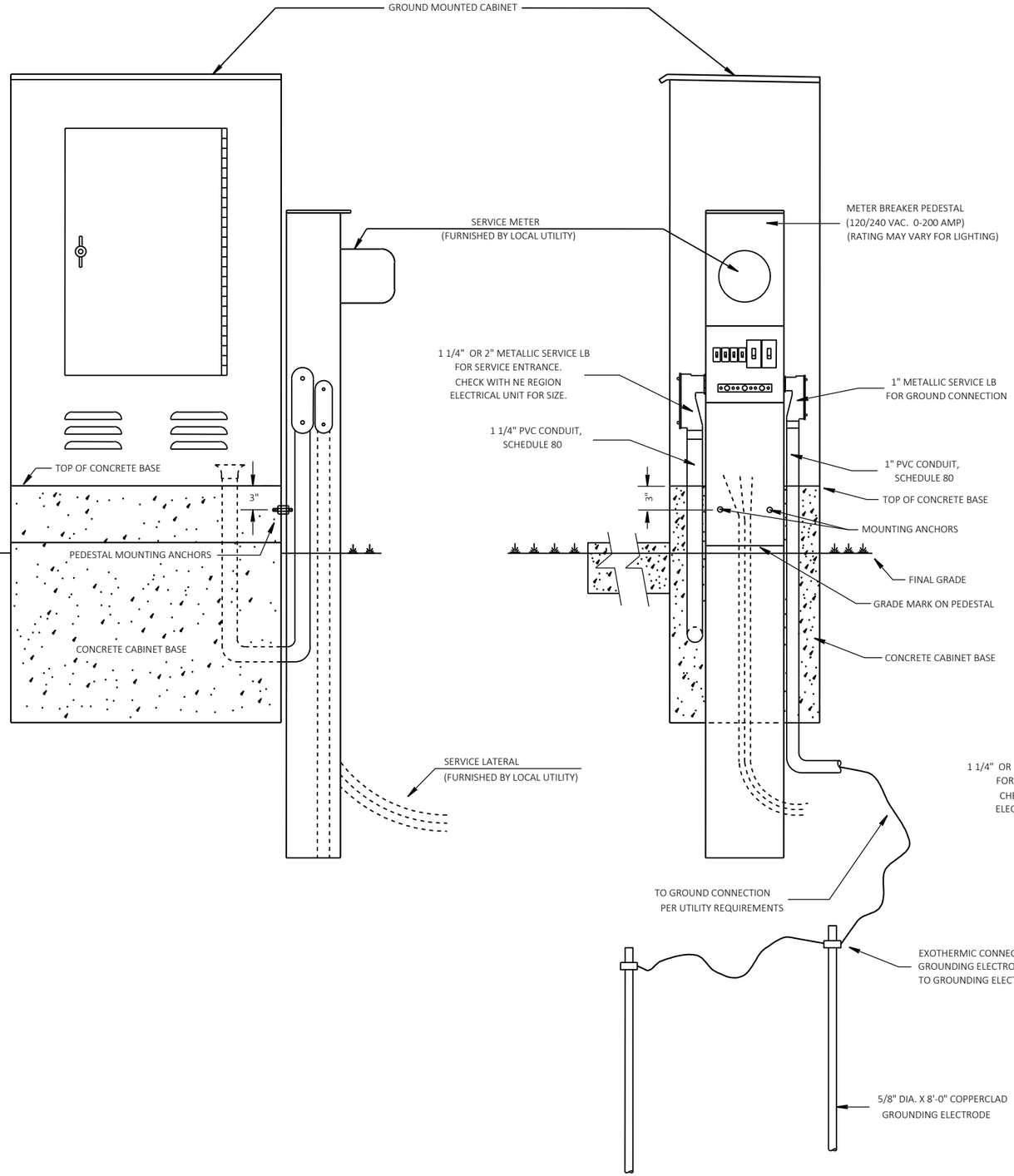
1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
3. WHEN OPPOSING THROUGH PHASE (4, 8) ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.

USH 45 & STH 15/BUS 45
CITY OF NEW LONDON
OUTAGAMIE COUNTY

SIGNAL NO. S68-0859

CABINET: TS2 CONTROLLER: ECONOLITE

DATE: PAGE NO. 3 OF 5



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

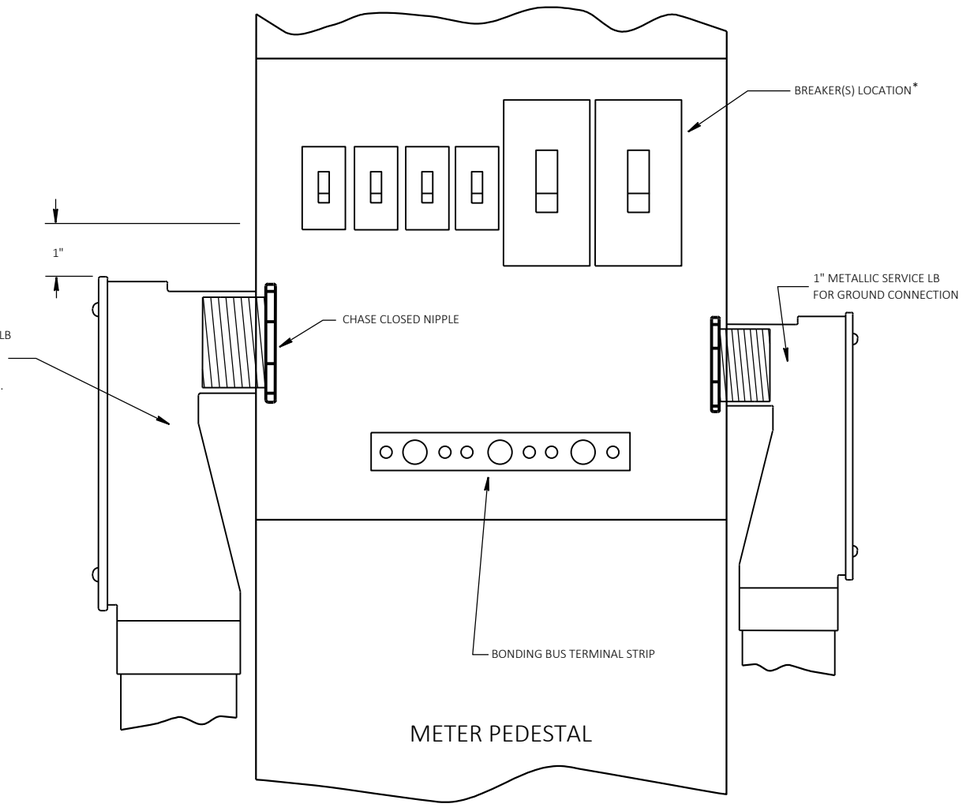
WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT OR SCHEDULE 80 PVC, NIPPLES AND/OR CONDULETS AS REQUIRED. CONDUIT LB SHALL BE OF METALLIC SERVICE ENTRANCE TYPE.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER NEC.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.



SHEET NO. 4 OF 5

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	METER PEDESTAL - S68-0859	SHEET 145	E

FILE NAME : F:\D3_TRAFFI\S68-0859 (NEW LONDON)(NCR)\S68-0859.DWG
LAYOUT NAME - S68-0859-met ped

PLOT DATE : 12/1/2022 11:39 AM PLOT BY : MARTENS, JOHN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

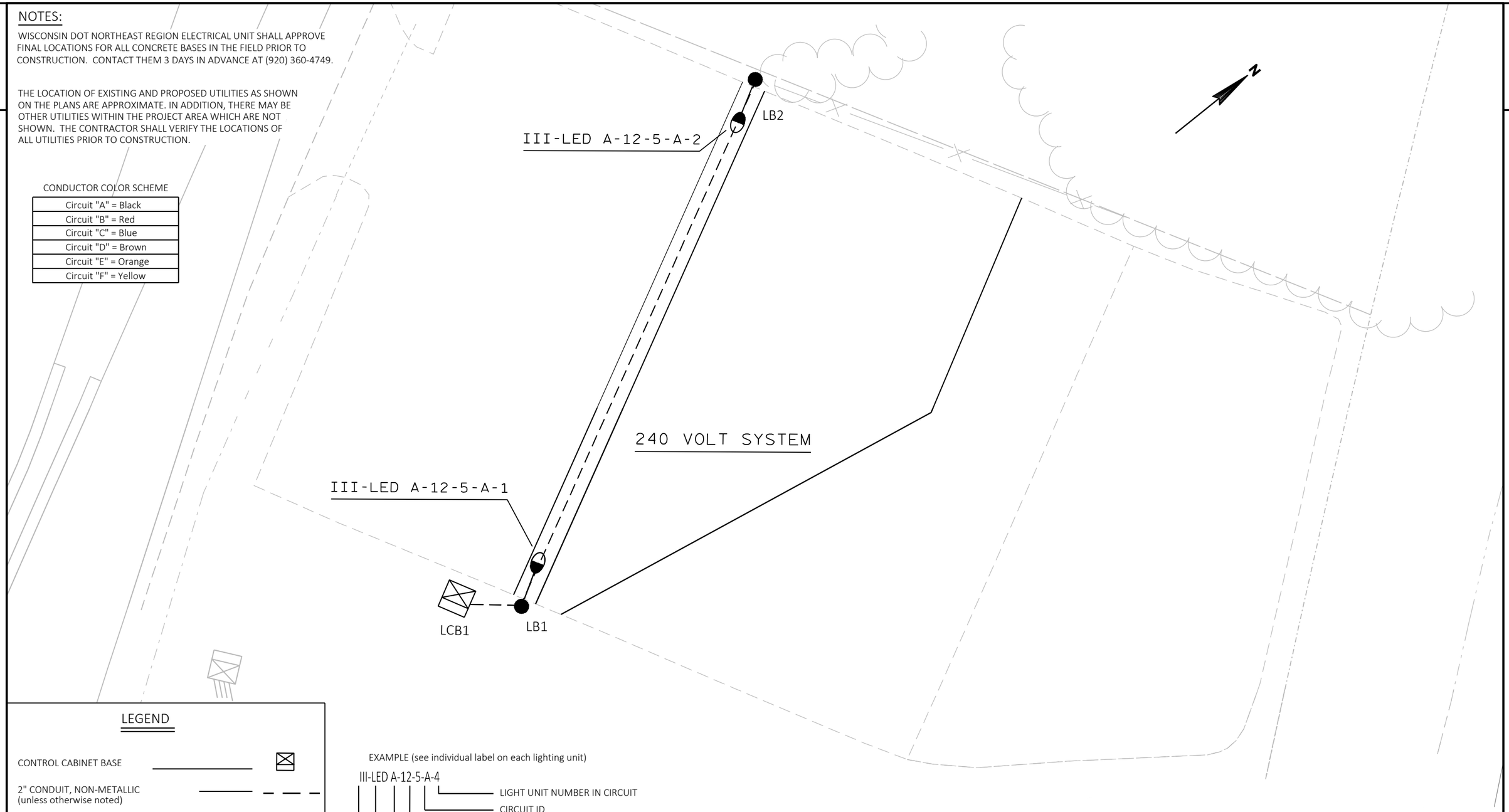
NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 360-4749.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow



LEGEND

- CONTROL CABINET BASE
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

USH 45 & STH 15/BUS 45
CITY OF NEW LONDON
OUTAGAMIE COUNTY

LIGHTING NO. XX-XXXX

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 11/26/2019 SHEET NO. 5 OF 5

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	LIGHTING - S68-0859	SHEET 146	E

FILE NAME : F:\D3_TRAFFI\S68-0859 (NEW LONDON)(NCR)\S68-0859.DWG
LAYOUT NAME - S68-0859-lighting

PLOT DATE : 12/1/2022 11:39 AM PLOT BY : MARTENS, JOHN M PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

STA 100'WB'+87.79, 76.0' LT
NORTHING=602285.900
EASTING=744056.559

MARKING REMOVAL LINE
WATER BLASTING WIDE

MARKING REMOVAL LINE
WATER BLASTING 8-INCH

STH 15 WB

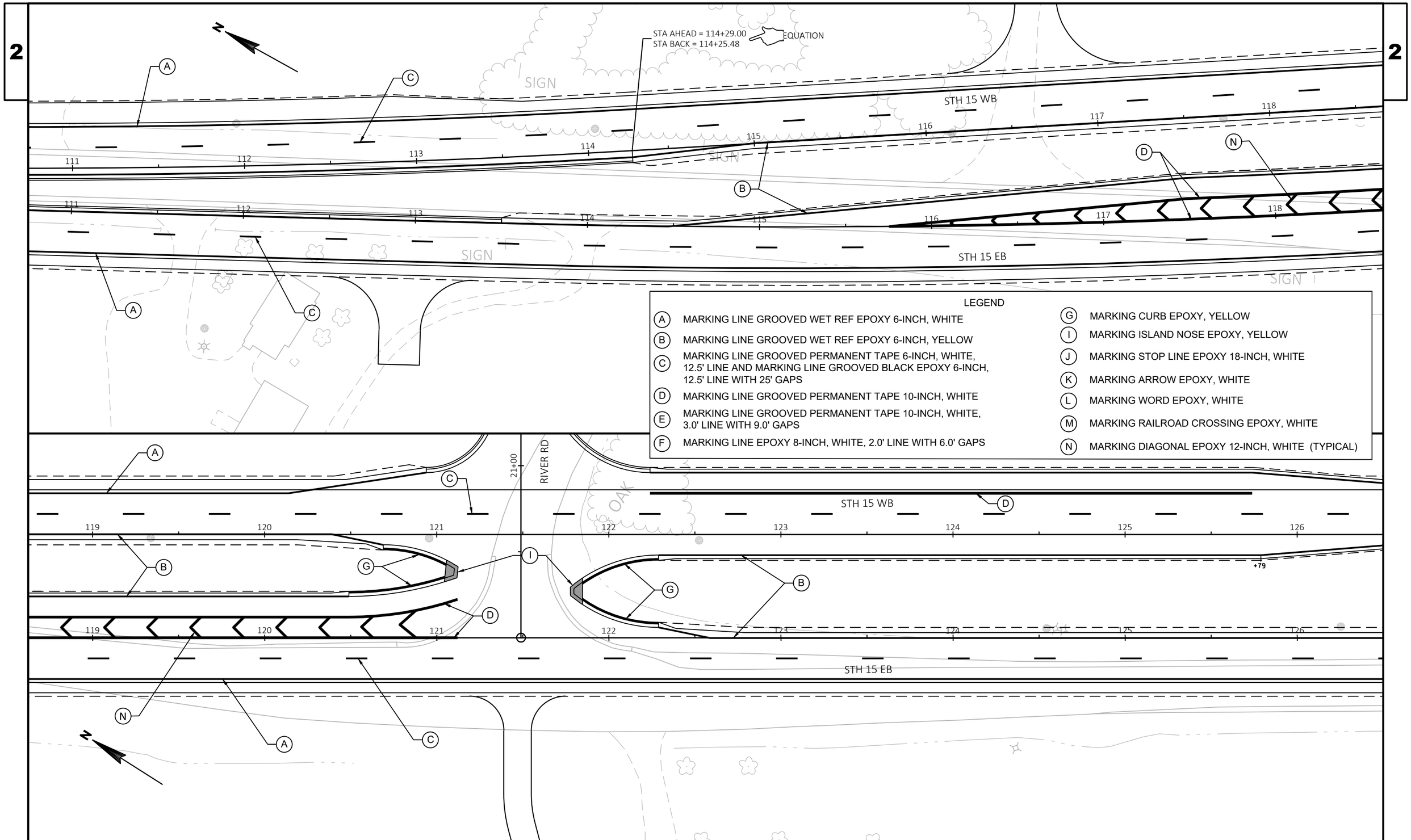
STH 15 EB

USH 45

LEGEND

- (A) MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
- (B) MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
- (C) MARKING LINE GROOVED PERMANENT TAPE 6-INCH, WHITE, 12.5' LINE AND MARKING LINE GROOVED BLACK EPOXY 6-INCH, 12.5' LINE WITH 25' GAPS
- (D) MARKING LINE GROOVED PERMANENT TAPE 10-INCH, WHITE
- (E) MARKING LINE GROOVED PERMANENT TAPE 10-INCH, WHITE, 3.0' LINE WITH 9.0' GAPS
- (F) MARKING LINE EPOXY 8-INCH, WHITE, 2.0' LINE WITH 6.0' GAPS
- (G) MARKING CURB EPOXY, YELLOW
- (I) MARKING ISLAND NOSE EPOXY, YELLOW
- (J) MARKING STOP LINE EPOXY 18-INCH, WHITE
- (K) MARKING ARROW EPOXY, WHITE
- (L) MARKING WORD EPOXY, WHITE
- (M) MARKING RAILROAD CROSSING EPOXY, WHITE
- (N) MARKING DIAGONAL EPOXY 12-INCH, WHITE (TYPICAL)
- (O) MARKING LINE EPOXY 8-INCH, WHITE (TYPICAL)

PROJECT NO:1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 147	E



LEGEND

- (A) MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
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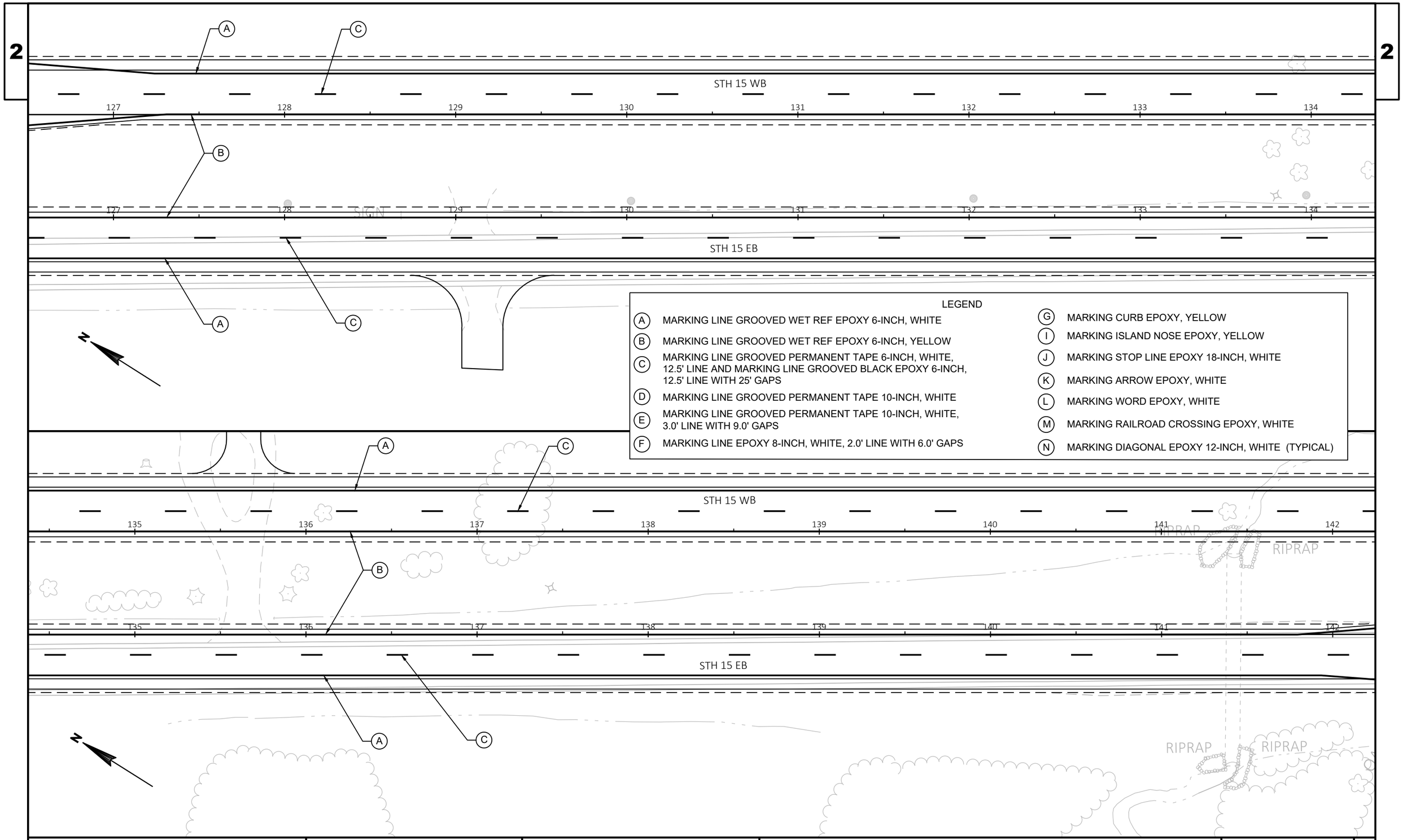
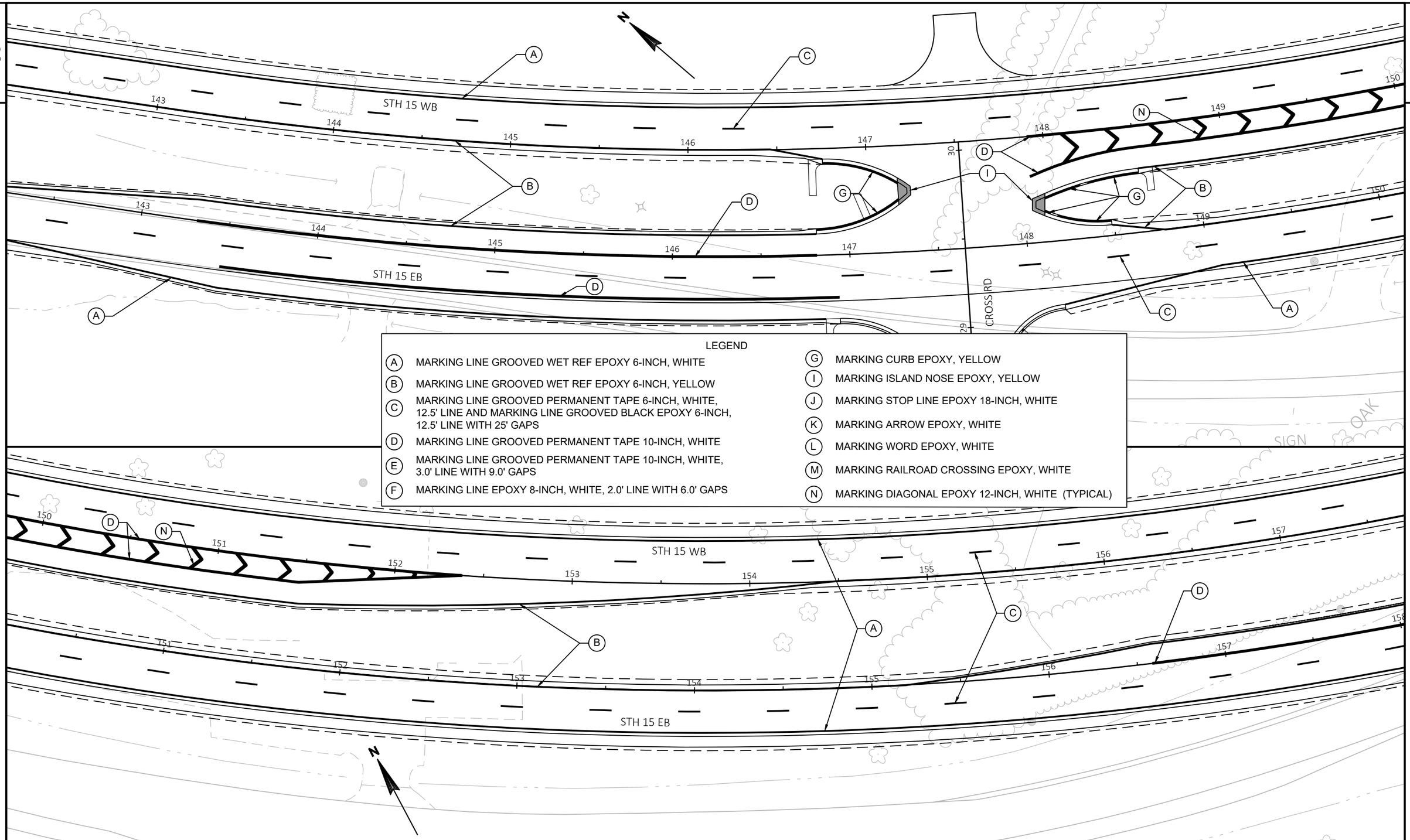
- (K) MARKING ARROW EPOXY, WHITE
- (L) MARKING WORD EPOXY, WHITE
- (M) MARKING RAILROAD CROSSING EPOXY, WHITE
- (N) MARKING DIAGONAL EPOXY 12-INCH, WHITE (TYPICAL)

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 148	E



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 149 E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024503_PM
PLOT DATE : 3/23/2023 4:12 PM PLOT BY : CAMPSHURE, MICHAEL RPLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44



LEGEND

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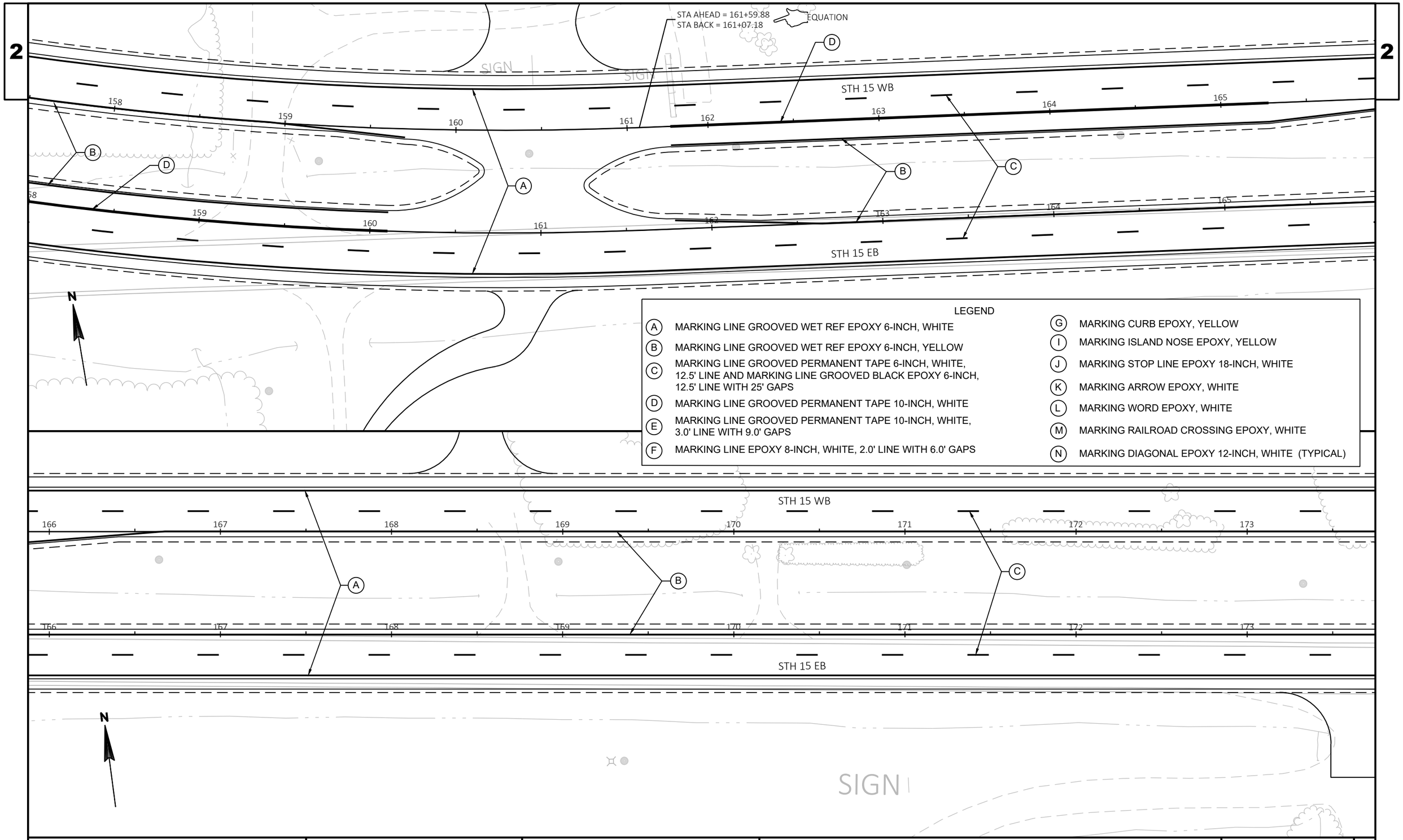
- (K) MARKING ARROW EPOXY, WHITE
- (L) MARKING WORD EPOXY, WHITE
- (M) MARKING RAILROAD CROSSING EPOXY, WHITE
- (N) MARKING DIAGONAL EPOXY 12-INCH, WHITE (TYPICAL)

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 150	E



LEGEND

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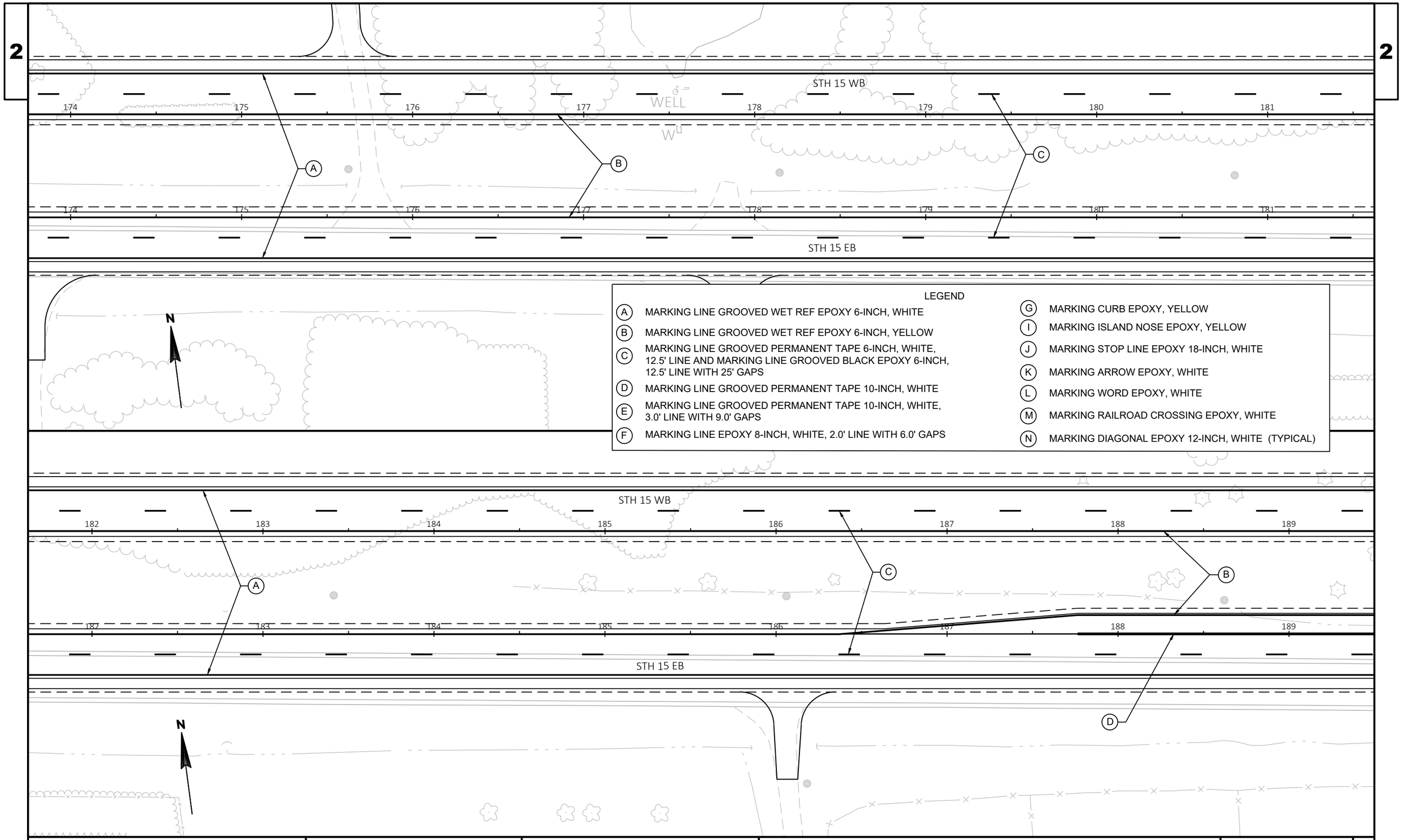
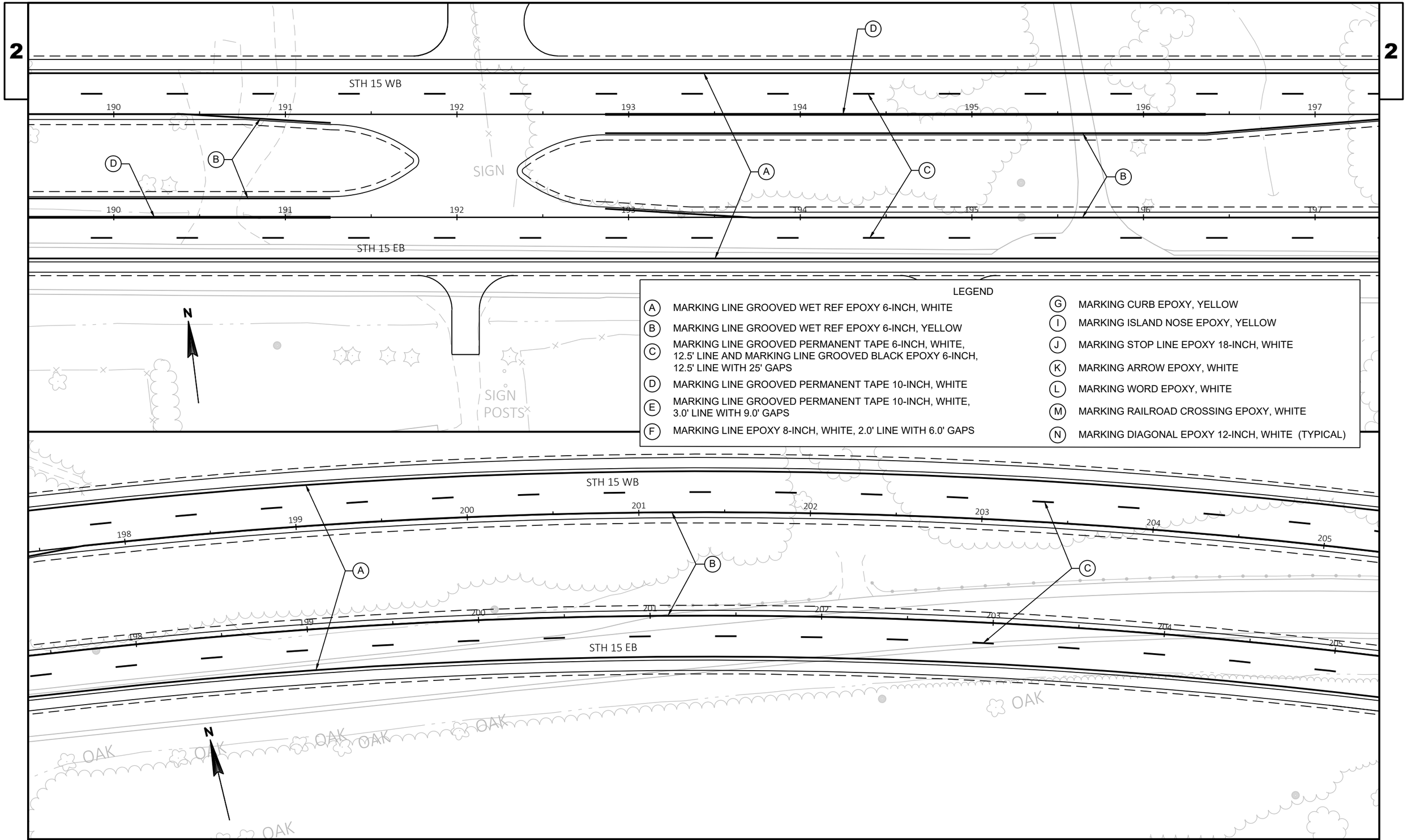
- (K) MARKING ARROW EPOXY, WHITE
- (L) MARKING WORD EPOXY, WHITE
- (M) MARKING RAILROAD CROSSING EPOXY, WHITE
- (N) MARKING DIAGONAL EPOXY 12-INCH, WHITE (TYPICAL)

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 151 E



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 152	E



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 153	E

2

2

STH 15 WB

STH 15 EB

206 207 208 209 210 211 212 213

A B C D

N

LEGEND

- (A) MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE
- (B) MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW
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- (K) MARKING ARROW EPOXY, WHITE
- (L) MARKING WORD EPOXY, WHITE
- (M) MARKING RAILROAD CROSSING EPOXY, WHITE
- (N) MARKING DIAGONAL EPOXY 12-INCH, WHITE (TYPICAL)

SIGN

STH 15 WB

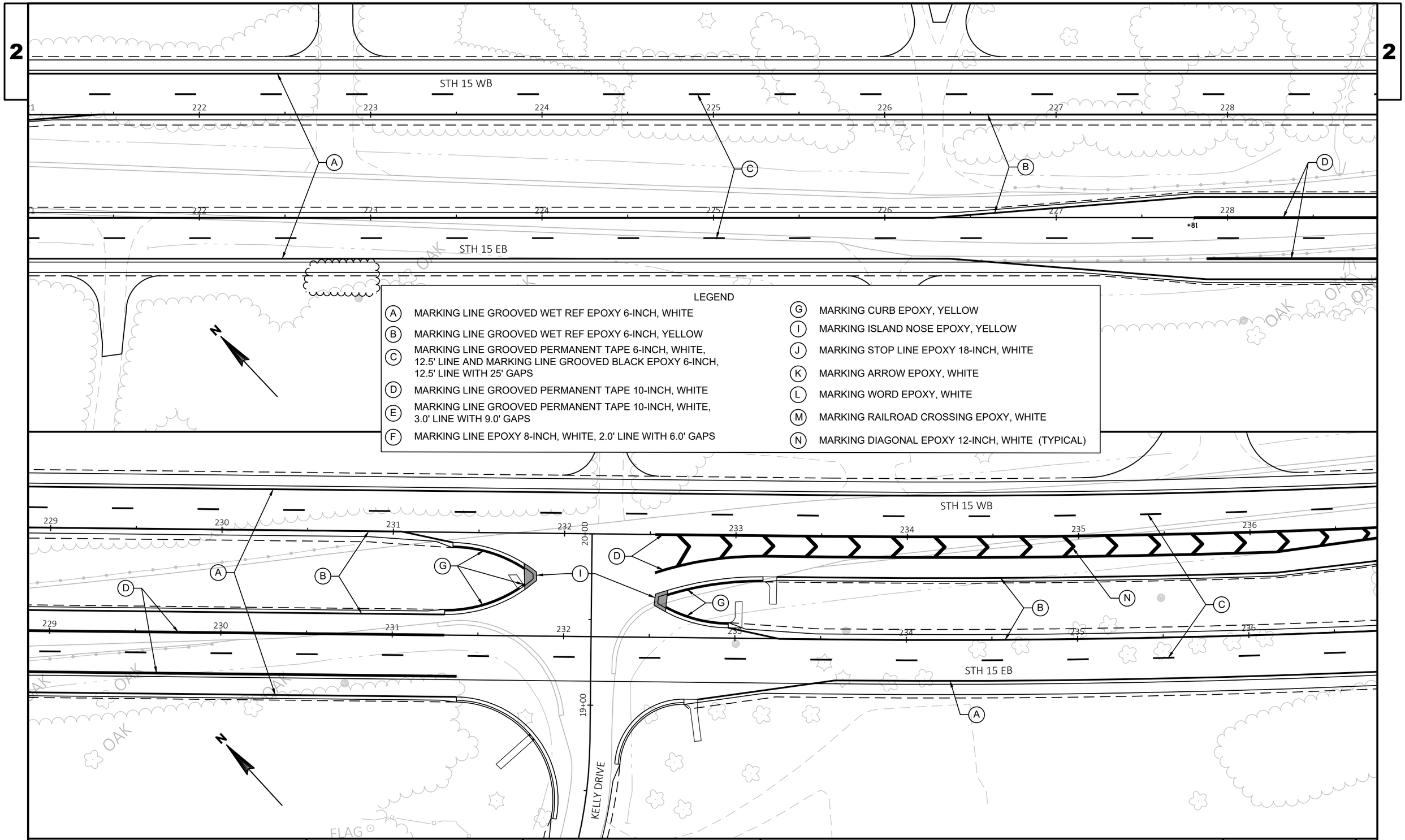
214 215 216 217 218 219 220

STA AHEAD = 218+40.44
STA BACK = 218+78.08
EQUATION

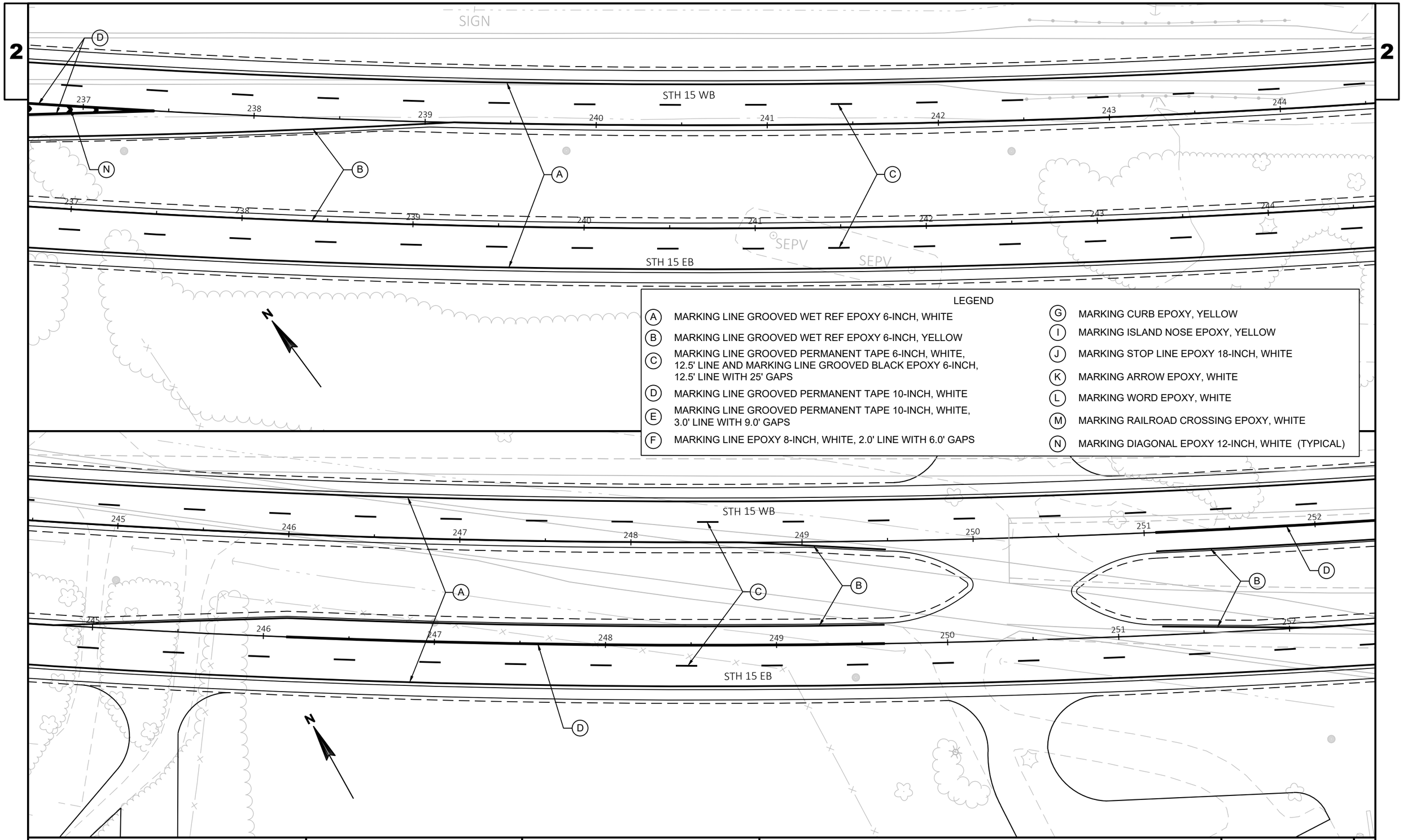
STH 15 EB

OAK

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 154	E



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 155	E



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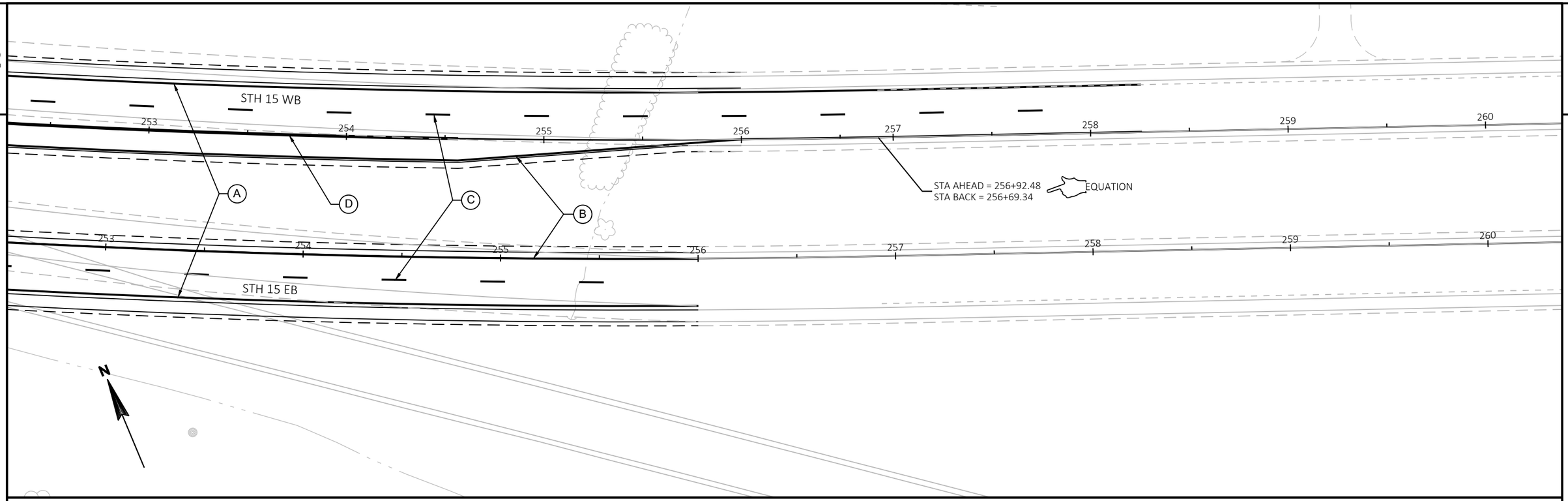
- (M) MARKING RAILROAD CROSSING EPOXY, WHITE
- (N) MARKING DIAGONAL EPOXY 12-INCH, WHITE (TYPICAL)

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 156 E



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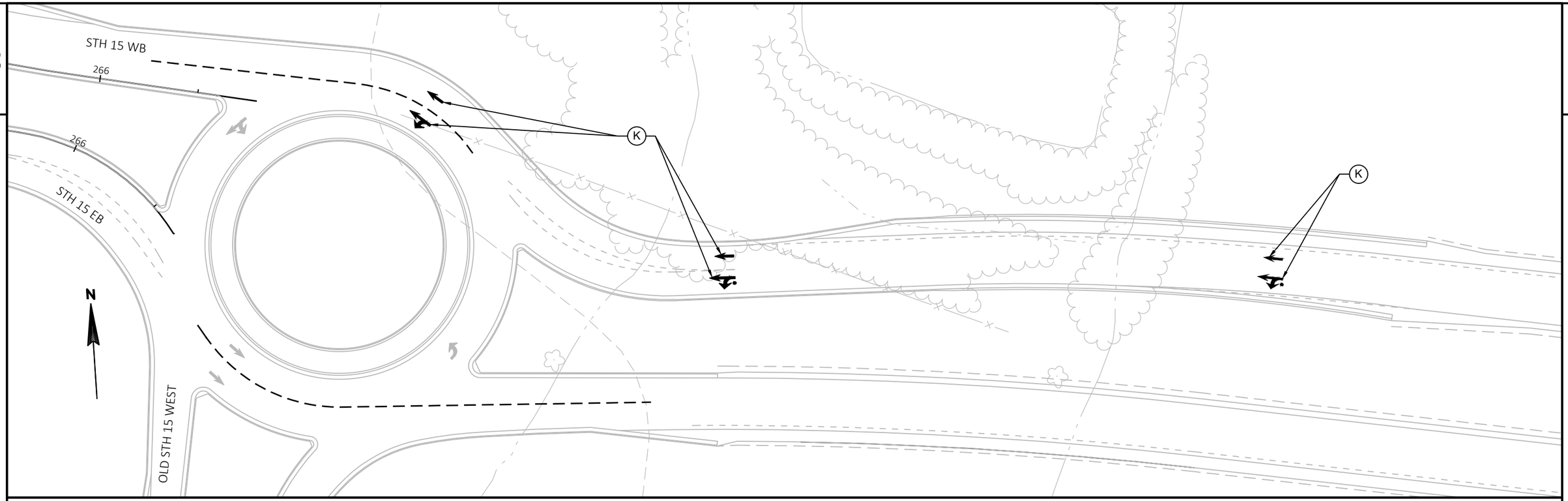

2

LEGEND

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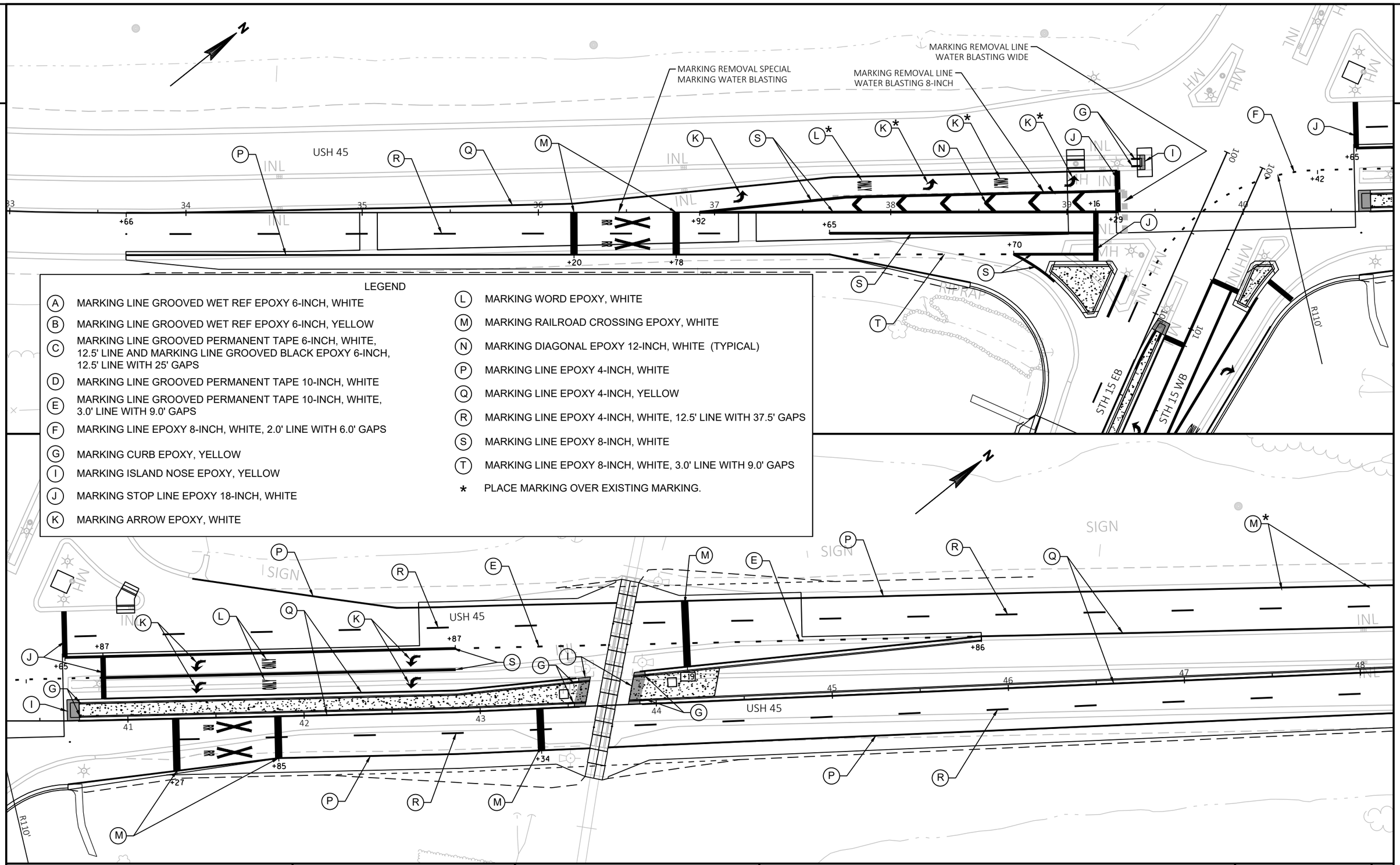

LEGEND

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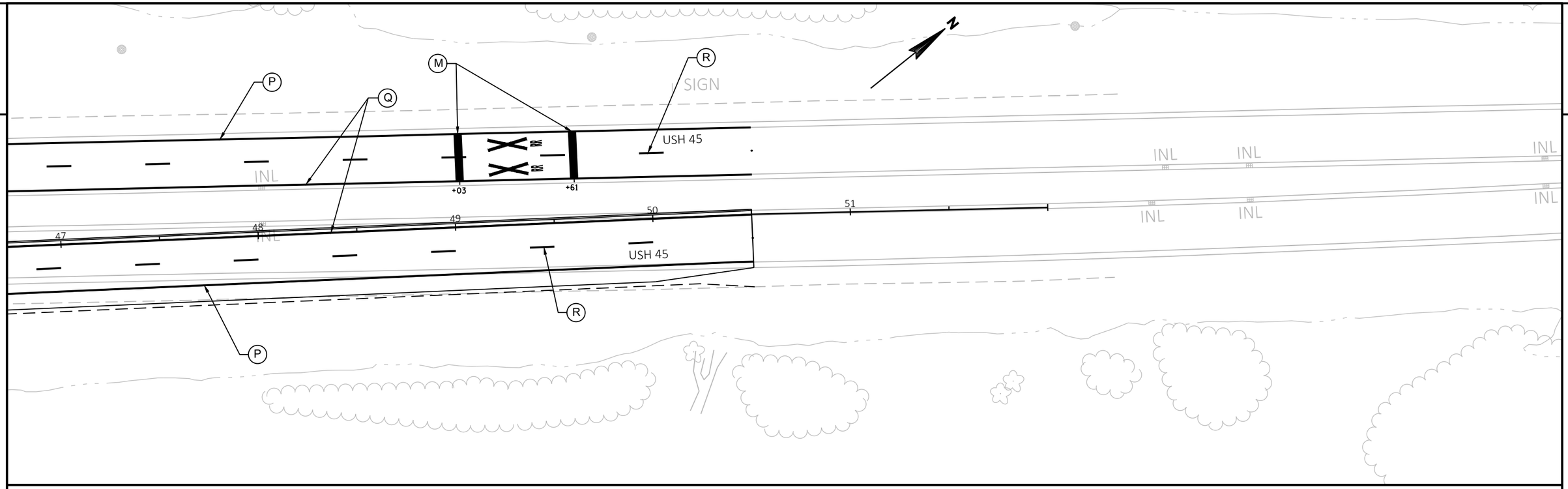
- (K) MARKING ARROW EPOXY, WHITE
- (L) MARKING WORD EPOXY, WHITE
- (M) MARKING RAILROAD CROSSING EPOXY, WHITE
- (N) MARKING DIAGONAL EPOXY 12-INCH, WHITE (TYPICAL)
- (P) MARKING LINE EPOXY 4-INCH, WHITE
- (Q) MARKING LINE EPOXY 4-INCH, YELLOW
- (R) MARKING LINE EPOXY 4-INCH, WHITE, 12.5' LINE WITH 37.5' GAPS
- (S) MARKING LINE EPOXY 8-INCH, WHITE
- (T) MARKING LINE EPOXY 8-INCH, WHITE, 3.0' LINE WITH 9.0' GAPS
- * PLACE MARKING OVER EXISTING MARKING.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 159 E



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2

LEGEND

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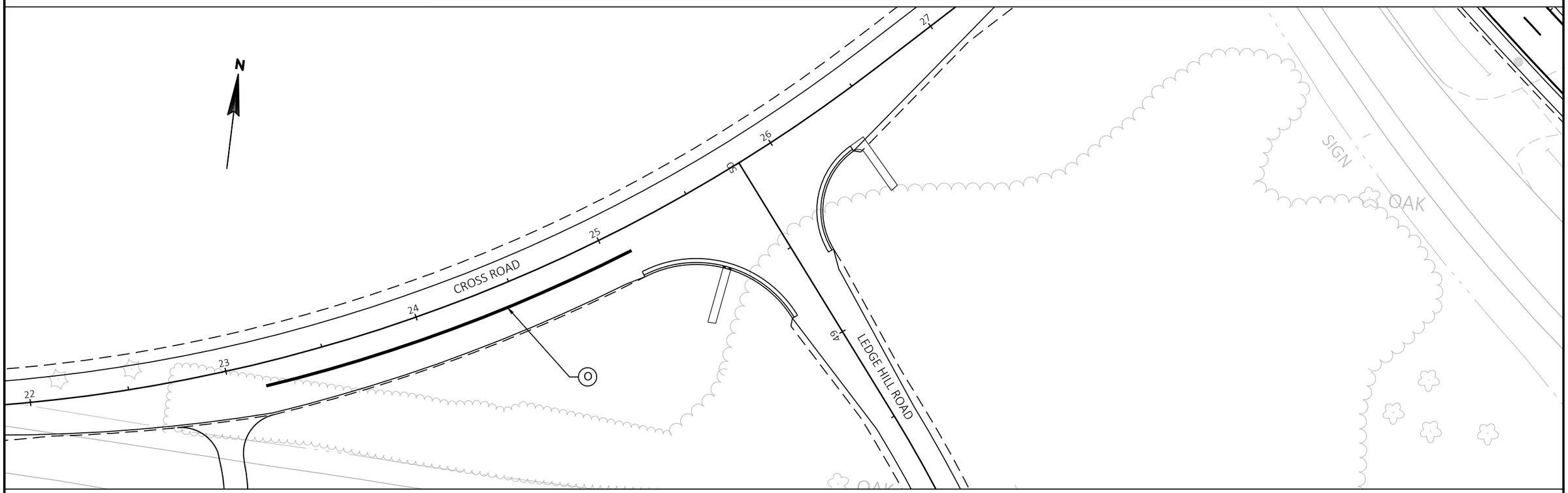


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 161	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024515_PM

PLOT DATE : 3/23/2023 4:31 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

GENERAL NOTES FOR TRAFFIC CONTROL

1. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
2. CONFLICTING TRAFFIC SIGNS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER. (INCIDENTAL TO WORK)
3. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
4. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
5. ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED AND EQUIPPED WITH TWO TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.
6. STAGING LIMITS BETWEEN PROPOSED ROADWAYS AND EXISTING ROADWAYS OPEN TO TRAFFIC ASSUMED A MAXIMUM 3:1 SLOPE.
7. TRAFFIC CONTROL DEVISES NOT IN USE SHALL BE LAID DOWN OR REMOVED. TURNING OF DEVICES TO OBSCURE THE MESSAGE WILL NOT BE ALLOWED.

STAGE 1

MAINTENANCE OF TRAFFIC:
STH 15 CLOSED FROM OLD HIGHWAY 15 TO USH 45. DETOUR WILL BE IN PLACE.

CONSTRUCTION ACTIVITIES TO BE COMPLETED:
- COMPLETE ALL CONSTRUCTION ON STH 15 FROM STA 105'EB'+00 TO EAST PROJECT LIMITS INCLUDING HMA UPPER LAYER, CURB AND GUTTER, CONCRETE PAVEMENT, PAVEMENT MARKING, STORM SEWER, CULVERTS, AND RESTORATION.
- COMPLETE REMAINING CONSTRUCTION ON STH 15 FROM STA 101'EB'+00 TO STA 105'EB'+00 FOLLOWING STAGE 2 WORK. REMAINING WORK TO INCLUDE HMA UPPER LAYER, CURB AND GUTTER, CONCRETE PAVEMENT, PAVEMENT MARKING AND RESTORATION.
- COMPLETE ALL CONSTRUCTION ON WOLF RIVER RUN, RIVER ROAD, CROSS ROAD, LEDGE HILL ROAD AND KELLY DRIVE INCLUDING HMA UPPER LAYER, CURB AND GUTTER, PAVEMENT MARKING, CULVERTS, AND RESTORATION.

STAGE 1A

MAINTENANCE OF TRAFFIC:
STH 15 CLOSED FROM OLD HIGHWAY 15 TO USH 45. DETOUR WILL BE IN PLACE.

CONSTRUCTION ACTIVITIES TO BE COMPLETED:
- COMPLETE REMAINING CONSTRUCTION ON EASTBOUND STH 15 FROM STA 101'EB'+00 TO STA 105'EB'+00 INCLUDING HMA UPPER LAYER, CURB AND GUTTER, CONCRETE PAVEMENT, PAVEMENT MARKING AND RESTORATION.

STAGE 1B

MAINTENANCE OF TRAFFIC:
STH 15 CLOSED FROM OLD HIGHWAY 15 TO USH 45. DETOUR WILL BE IN PLACE.

CONSTRUCTION ACTIVITIES TO BE COMPLETED:
- COMPLETE REMAINING CONSTRUCTION ON WESTBOUND STH 15 FROM STA 101'EB'+00 TO STA 105'EB'+00 INCLUDING HMA UPPER LAYER, CURB AND GUTTER, CONCRETE PAVEMENT, PAVEMENT MARKING AND RESTORATION.

STAGE 2

MAINTENANCE OF TRAFFIC:
STH 15 CLOSED FROM OLD HIGHWAY 15 TO USH 45. DETOUR WILL BE IN PLACE.
USH 45 CLOSED FROM NORTH OF INTERSECTION OF STH 15 AND USH 45 TO STH 54. DETOUR WILL BE IN PLACE.
LANE CLOSURES ON USH 45 SOUTH OF INTERSECTION OF STH 15 AND USH 45 AND ON CTH T.

CONSTRUCTION ACTIVITIES TO BE COMPLETED:
- COMPLETE ALL CONSTRUCTION ON USH 45, THE INTERSECTION OF USH 45 AND STH 15/CTH T AND CTH T INCLUDING HMA UPPER LAYER, LIGHTING, SIGNALS, STORM SEWER, CROSS CULVERTS, SUBGRADE IMPROVEMENT, CURB AND GUTTER, SIDEWALK, SHOULDERS, SIGNING, PAVEMENT MARKING AND RESTORATION.
- COMPLETE CONSTRUCTION ON EASTBOUND AND WESTBOUND STH 15 FROM STA 101'EB'+00 TO STA 105'EB'+00 THROUGH PLACEMENT OF BASE AGGREGATE INCLUDING STORM SEWER, CROSS CULVERTS, LIGHTING, AND SIGNALS.

STAGE 2A

MAINTENANCE OF TRAFFIC:
USH 45 CLOSED FROM NORTH OF INTERSECTION OF STH 15 AND USH 45 TO STH 54. DETOUR WILL BE IN PLACE.

CONSTRUCTION ACTIVITIES TO BE COMPLETED:
- COMPLETE ALL CONSTRUCTION ON USH 45 INCLUDING SUBGRADE IMPROVEMENT AT RAILROAD CROSSING, STORM SEWER, EXTEND CULVERTS, LIGHTING, SIGNALS, HMA UPPER LAYER, CURB AND GUTTER, PAVEMENT MARKING, AND RESTORATION.
- NOTE: CONSTRUCTION OPERATIONS FOR STAGE 2A CAN OCCUR DURING STAGES 2B THROUGH 2F.

STAGE 2B

MAINTENANCE OF TRAFFIC:
RIGHT LANE AND THROUGH LANES OF USH 45 NORTHBOUND CLOSED SOUTH OF INTERSECTION OF STH 15 AND USH 45 TO STH 54. LEFT TURN LANE OPEN TO TRAFFIC.

CONSTRUCTION ACTIVITIES TO BE COMPLETED:
- COMPLETE ALL CONSTRUCTION ON NORTHBOUND USH 45 SOUTH OF STH 15/CTH T INTERSECTION IN THE RIGHT LANE AND THROUGH LANES INCLUDING HMA UPPER LAYER, LIGHTING, SIGNALS, CULVERTS, STORM SEWERS, PAVEMENT MARKING, AND RESTORATION.
- COMPLETE ALL CONSTRUCTION ON SOUTHWEST QUADRANT OF INTERSECTION OF USH 45 AND STH 15 INCLUDING HMA UPPER LAYER, LIGHTING, SIGNALS, STORM SEWER, CURB AND GUTTER, SIDEWALK, PAVEMENT MARKING, AND RESTORATION.
- COMPLETE CONSTRUCTION ON EASTBOUND STH 15 FROM STA 101'EB'+00 TO STA 105'EB'+00 THROUGH PLACEMENT OF BASE AGGREGATE INCLUDING LIGHTING, SIGNALS, STORM SEWER, AND CULVERTS.

STAGE 2C

MAINTENANCE OF TRAFFIC:
LEFT TURN LANE OF USH 45 NORTHBOUND CLOSED SOUTH OF INTERSECTION OF STH 15 AND USH 45 TO STH 54. LEFT THROUGH LANE OPEN TO TRAFFIC TO TURN LEFT.

CONSTRUCTION ACTIVITIES TO BE COMPLETED:
- COMPLETE ALL CONSTRUCTION ON NORTHBOUND USH 45 SOUTH OF STH 15/CTH T INTERSECTION IN THE LEFT TURN LANE INCLUDING HMA UPPER LAYER, CURB AND GUTTER, LIGHTING, SIGNALS, STORM SEWER, PAVEMENT MARKING, AND RESTORATION.

STAGE 2D

MAINTENANCE OF TRAFFIC:
LEFT TURN LANE OF USH 45 NORTHBOUND OPEN SOUTH OF INTERSECTION OF STH 15 AND USH 45 TO STH 54 FOR TRAFFIC TO TURN LEFT.

CONSTRUCTION ACTIVITIES TO BE COMPLETED:
- COMPLETE ALL CONSTRUCTION ON SOUTHEAST QUADRANT OF INTERSECTION OF USH 45 AND STH 15 INCLUDING HMA UPPER LAYER, CURB AND GUTTER, LIGHTING, SIGNALS, STORM SEWER, AND RESTORATION.
- COMPLETE CONSTRUCTION ON WESTBOUND STH 15 FROM STA 101'EB'+00 TO STA 105'EB'+00 THROUGH PLACEMENT OF BASE AGGREGATE INCLUDING LIGHTING, SIGNALS, STORM SEWER, AND CULVERTS.

STAGE 2E

MAINTENANCE OF TRAFFIC:
RIGHT LANE AND PORTION OF THROUGH LANE ON CTH T CLOSED. PORTION OF THROUGH LANE OPEN FOR TRAFFIC TO TURN RIGHT.

CONSTRUCTION ACTIVITIES TO BE COMPLETED:
- REMOVE ASPHALT, INSTALL A PORTION OF THE LOOP DETECTOR WITHIN CTH T LANES AND INSTALL ASPHALT PAVEMENT.

STAGE 2F

MAINTENANCE OF TRAFFIC:
PORTION OF THROUGH LANE ON CTH T CLOSED. PORTION OF THROUGH LANE OPEN FOR TRAFFIC TO TURN RIGHT.

CONSTRUCTION ACTIVITIES TO BE COMPLETED:
- REMOVE ASPHALT, INSTALL REMAINING PORTION OF THE LOOP DETECTOR WITHIN CTH T LANE AND INSTALL ASPHALT PAVEMENT.

NOTE:
SEE DETOUR SIGNING DETAIL - STAGE 1 FOR STH 15 DETOUR ROUTE

DETAIL 1

PCMS *

PCMS

PCMS

CTH T

STH 15

USH 45

RIVER RD

100'WB'
100'EB'
110'WB'
110'EB'
120'WB'
120'EB'
130'WB'
130'EB'
140'WB'
140'EB'
150'WB'
150'EB'
160'WB'
160'EB'
170'WB'

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

REFERENCE SDD 15C5 "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR PLACEMENT OF SIGNS AND ANY APPLICABLE NOTES.

Ⓑ
R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

Ⓒ
R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED 1000 FT
W20-3C

ROAD CLOSED 500 FT
W20-3D

REFERENCE SDD 15C2, "DETOUR SIGNING FOR MAINLINE CLOSURES" DETAIL C FOR PLACEMENT OF SIGNS AND ANY APPLICABLE NOTES.

30'CRS'

400
784.124
MON MAGMAIL W/ WASHER

MOVE SET OF BARRICADES TO NEW ALIGNMENT AFTER CONSTRUCTION OF NEW ALIGNMENT IS COMPLETE.

50'LED'

LEDGE HILL RD

20'CRS'

CROSS RD

ROAD CLOSED 500 FT
W20-3D

ROAD CLOSED 1000 FT
W20-3C

ROAD CLOSED AHEAD
W20-3A

REFERENCE SDD 15C2, "DETOUR SIGNING FOR MAINLINE CLOSURES" DETAIL C FOR PLACEMENT OF SIGNS AND ANY APPLICABLE NOTES.

170'WB'
170'EB'
180'WB'
180'EB'
190'WB'
190'EB'
200'WB'
200'EB'
210'WB'
210'EB'
220'WB'
220'EB'
230'WB'
230'EB'
240'WB'
240'EB'

STH 15

778.243

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

KELLY DR

REFERENCE SDD 15C5 "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR PLACEMENT OF SIGNS AND ANY APPLICABLE NOTES.

LEGEND

‡	TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
‡	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
●	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1	SHEET 163	E

2

2

NOTE:
SEE DETOUR SIGNING DETAIL - STAGE 1 FOR STH 15 DETOUR ROUTE

N

DETAIL 2

220'WB'
220'EB'
230'WB'
230'EB'
240'WB'
240'EB'
250'WB'
250'EB'
260'WB'
260'EB'
STH 15
KELLY DR
PCMS *
401
527.013
MON MAGNAIL W/ WASHER
10802100I
838.098
MON MCM 10

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

REFERENCE SDD 15C5 "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR PLACEMENT OF SIGNS AND ANY APPLICABLE NOTES.

©
R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

LEGEND

↕	TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
⇕	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
●	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1	SHEET 164	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\025002_TC.DWG
LAYOUT NAME - 025002_tc
PLOT DATE : 4/25/2023 12:56 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:500 FT

DETAIL 1

2

2

RIPRAP

INL

29+00

30+00

31+00

32+00

33+00

34+00

35+00

USH 45

SIGN

PCMS

ROAD WORK AHEAD
W20-1A

REFERENCE SDD 15C3, "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 3 FOR SIGN LOCATION AND ANY APPLICABLE NOTES.

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

DETOUR
M4-9R
30"X24"

36+00

37+00

38+00

39+00

40+00

41+00

42+00

43+00

MH

STH 15 EB

STH 15 WB

100'WB'

101'WB'

LEGEND

‡	TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
‡	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
●	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
o	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

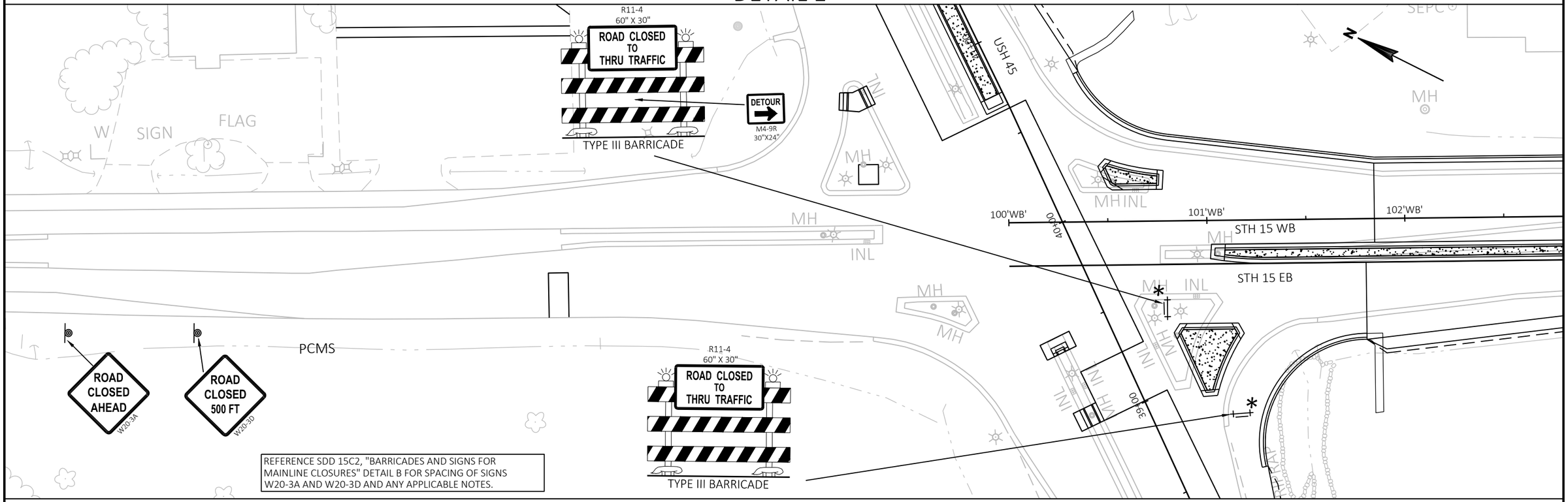
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1	SHEET 165 E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\025003_TC_1.DWG
LAYOUT NAME - 025003_tc

PLOT DATE : 4/25/2023 12:57 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

DETAIL 1

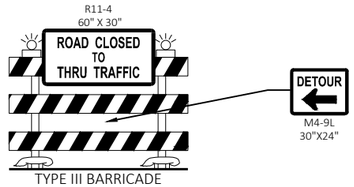


LEGEND

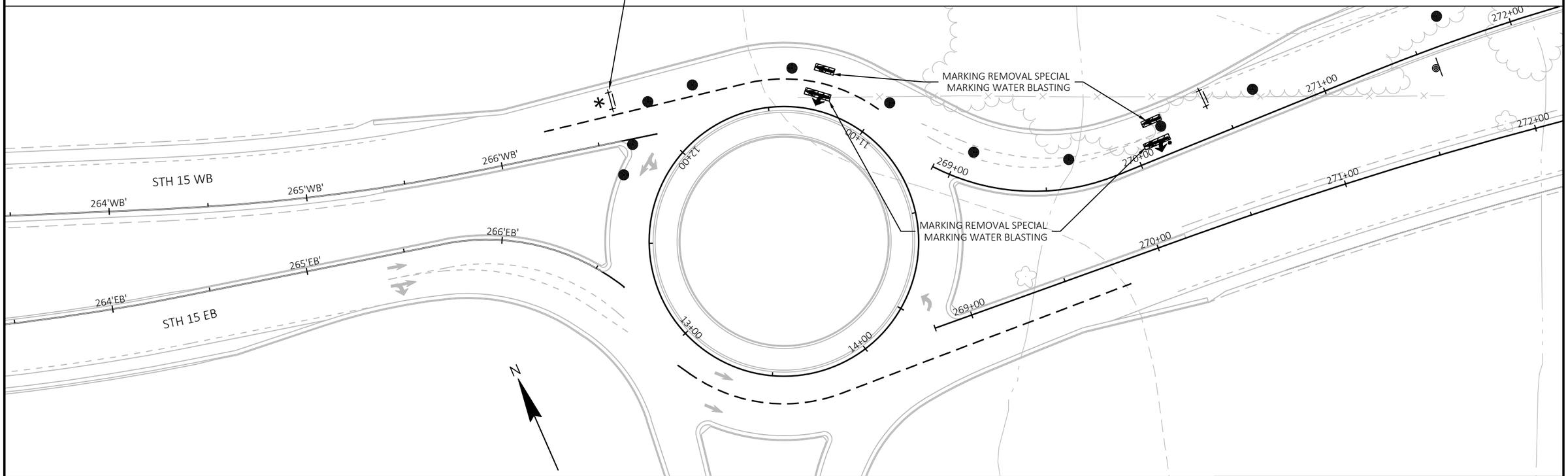
	WORK ZONE
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1	SHEET 166	E

2



DETAIL 2



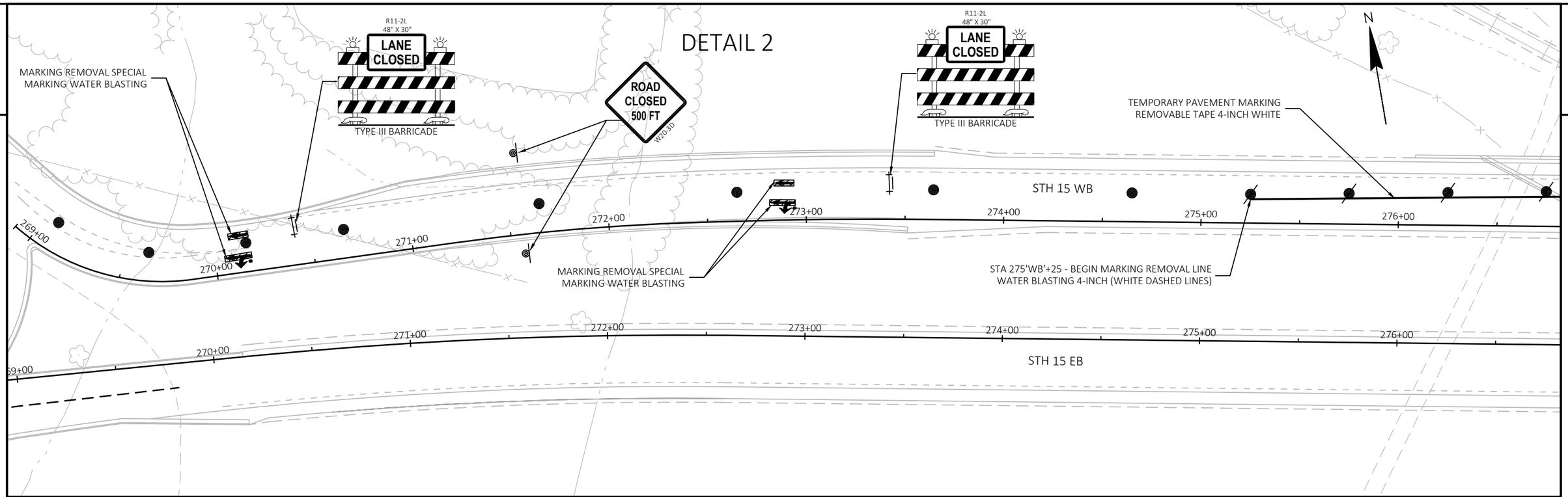
LEGEND

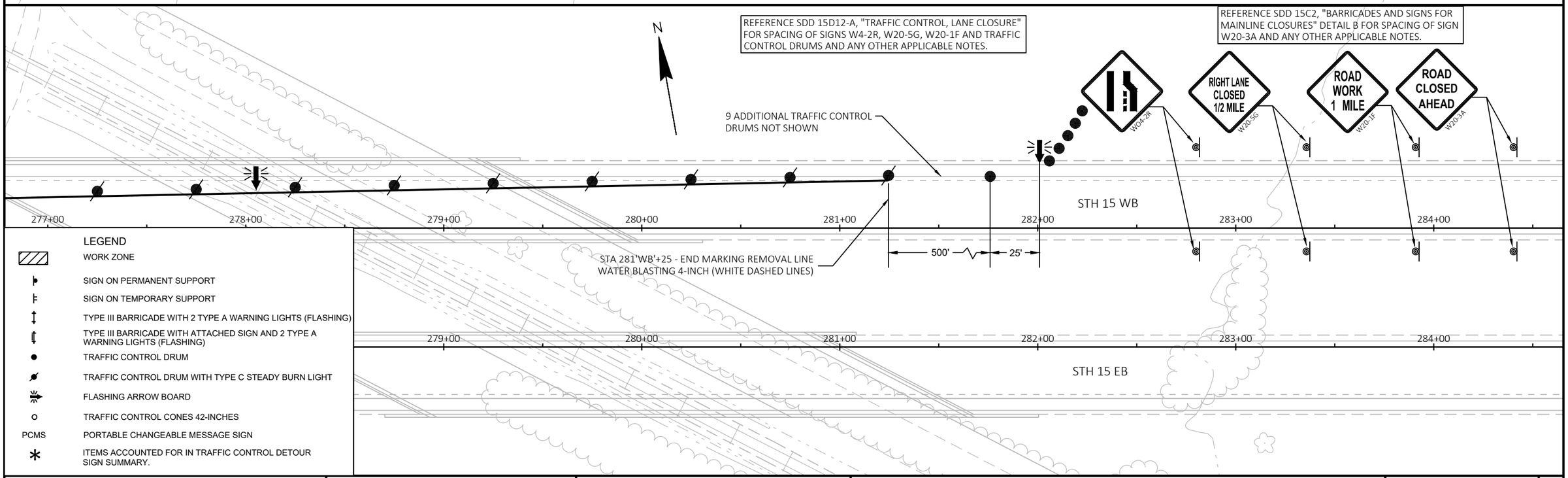
	WORK ZONE
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1	SHEET 167	E

2

DETAIL 2





LEGEND

	WORK ZONE
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1	SHEET 168	E

2

2

DETAIL 2

LEGEND

	WORK ZONE
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1	SHEET 169	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\025003_TC.DWG
LAYOUT NAME - 025006_tc

PLOT DATE : 4/25/2023 12:58 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

REFERENCE SDD 15C2, "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" DETAIL B FOR LOCATION OF SIGNS W20-3A AND W20-3D AND ANY APPLICABLE NOTES. THESE SIGNS ARE ACCOUNTED FOR IN STAGE 1 OF MISCELLANEOUS QUANTITIES.

NOTE:
TRAFFIC CONTROL SHEET SHALL BE USED IF NO CONSTRUCTION IS OCCURRING ON SOUTH LEG OF USH 45 OR ON CTH T AND CONSTRUCTION IS OCCURRING ON STH 15 AND NORTH LEG OF USH 45. ALSO NOTE ITEMS THAT ARE SHOWN ON THIS SHEET AND SHALL BE PLACED OR INSTALLED DURING STAGES 2B, 2C, 2D, 2E AND 2F.

NOTE:
SEE DETOUR SIGNING DETAIL - STAGES 1 & 2 FOR USH 45 DETOUR ROUTE.

ROAD CLOSED AHEAD W20-3A

ROAD CLOSED 500 FT W20-3D

W03-1

PLACE SIGN W03-1 600 FEET FROM STOP SIGN.

25' SPACING (TYP)

OPEN FOLDING STOP SIGN TO DISPLAY SIGN DURING ALL SUB-STAGES OF STAGE 2.

STOP R1-1 30"X30"

ALSO PLACE 12 TRAFFIC CONTROL CONES 42-INCHES DURING STAGES 2B, 2C, 2D, 2E AND 2F.

CTH T

SUPERIOR RAIL SYSTEM LLC

A — R11-2L 48" X 30" — LANE CLOSED — TYPE III BARRICADE

B — R11-2 48" X 30" — ROAD CLOSED — TYPE III BARRICADE

C — R11-4 60" X 30" — ROAD CLOSED TO THRU TRAFFIC — TYPE III BARRICADE

REFERENCE SDD 15C2, "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" DETAIL B FOR LOCATION OF SIGNS W20-3A AND W20-3D AND ANY APPLICABLE NOTES. ALSO SIGNS SHALL BE INSTALLED DURING STAGES 2B, 2C, 2D, 2E AND 2F.

REFERENCE SDD 15C2, "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" DETAIL D FOR BARRICADE PLACEMENT.

ROAD CLOSED 500 FT W20-3D

ROAD CLOSED AHEAD W20-3A

PCMS*

USH 45

35'USH' 36'USH' 37'USH' 38'USH' 39'USH' 40'USH' 45'USH' 46'USH' 47'USH' 48'USH' 49'USH' 50

100'WB' 101'WB' 102'WB' 103'WB' 104'WB'

STH 15

R3-1 24"X24"

ROAD CLOSED AHEAD W20-3A

ROAD CLOSED 500 FT W20-3D

W03-1

PLACE SIGN W03-1 600 FEET FROM STOP SIGN.

REFERENCE SDD 15C2, "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B FOR LOCATION OF SIGNS W20-3A AND W20-3D AND ANY APPLICABLE NOTES.

STAGE 1

PLACE SIGN W03-1 600 FEET FROM STOP SIGN.

PLACE 4 TRAFFIC CONTROL DRUMS ADJACENT TO WORK ZONE ON USH 45 NORTHBOUND LANES. ALSO DRUMS SHALL BE PLACED DURING STAGES 2B, 2C, 2D, 2E AND 2F.

FOX VALLEY AND LAKE SUPERIOR RAIL SYSTEM

LEGEND

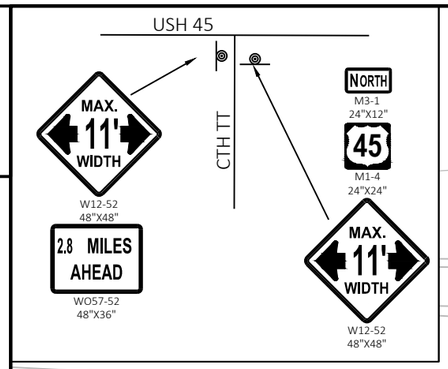
- WORK ZONE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH 1 TYPE A WARNING LIGHT (FLASHING)
- TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- TRAFFIC CONTROL CONES 42-INCHES
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- * — ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

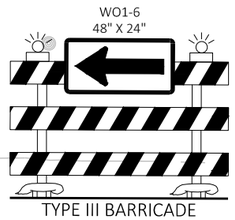
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2A	SHEET 170	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\025004_TC.DWG
LAYOUT NAME - 025006_tc

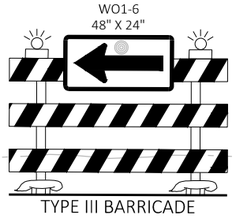
PLOT DATE : 4/25/2023 12:58 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:100 FT

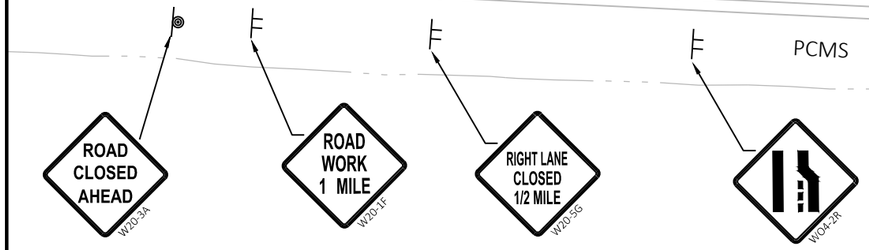
WISDOT/CADDS SHEET 44

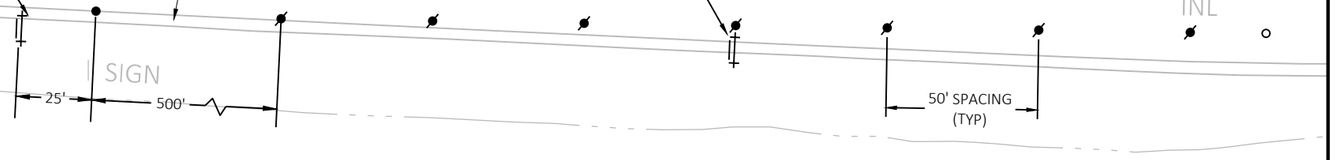




9 ADDITIONAL TRAFFIC CONTROL DRUMS NOT SHOWN







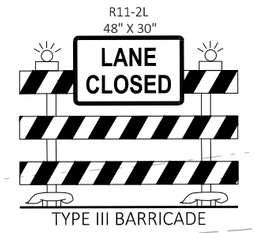
REFERENCE SDD 15C2, "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B FOR LOCATION OF SIGN W20-3A AND ANY APPLICABLE NOTES. THIS SIGN IS ACCOUNTED FOR IN STAGE 2A OF MISCELLANEOUS QUANTITIES.

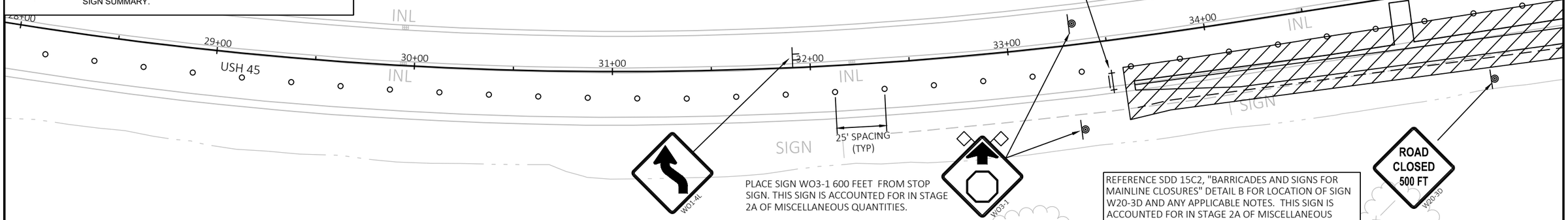
REFERENCE SDD 15D12-A, "TRAFFIC CONTROL, LANE CLOSURE" FOR SPACING OF SIGNS W20-1F, W20-5G, W04-2R AND TRAFFIC CONTROL DRUMS AND ANY OTHER APPLICABLE NOTES AND REFERENCE SDD 15D40-B, "TRAFFIC CONTROL, FULL LANE SHIFT, MULTI-LANE DIVIDED 50 MPH AND GREATER" FOR SPACING OF SIGNS WO1-6 AND BARRICADES AND ANY OTHER APPLICABLE NOTES.

LEGEND

	WORK ZONE
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH 1 TYPE A WARNING LIGHT (FLASHING)
	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

REFERENCE SDD 15D40-04D, "TRAFFIC CONTROL, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER" FOR LOCATION OF SIGN WO1-4L AND BARRICADES AND ANY APPLICABLE NOTES.



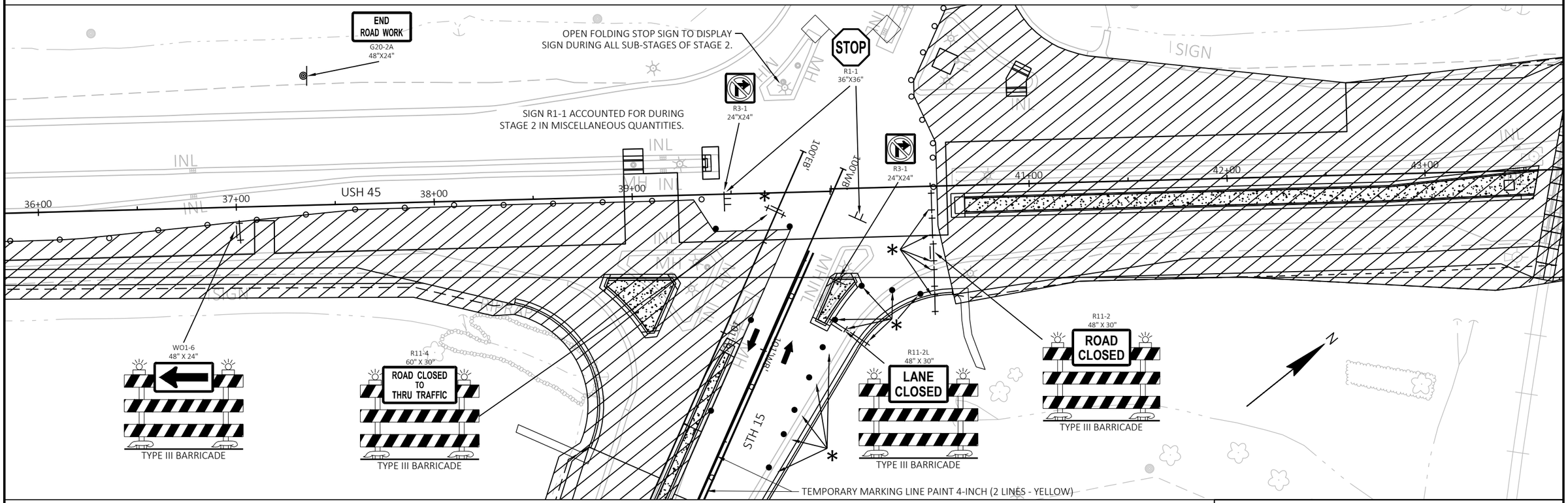


PLACE SIGN WO3-1 600 FEET FROM STOP SIGN. THIS SIGN IS ACCOUNTED FOR IN STAGE 2A OF MISCELLANEOUS QUANTITIES.

REFERENCE SDD 15C2, "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B FOR LOCATION OF SIGN W20-3D AND ANY APPLICABLE NOTES. THIS SIGN IS ACCOUNTED FOR IN STAGE 2A OF MISCELLANEOUS QUANTITIES.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2B	SHEET 171	E

2



REFERENCE SDD 15D40-04C, "TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" FOR LOCATION OF SIGN WO1-6 AND TYPE III BARRICADE AND ANY APPLICABLE NOTES.

LEGEND

	WORK ZONE
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH 1 TYPE A WARNING LIGHT (FLASHING)
	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2B	SHEET 172	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\025003_TC_2B.DWG
LAYOUT NAME - 025003a_tc
PLOT DATE : 4/25/2023 12:59 PM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH 1 TYPE A WARNING LIGHT (FLASHING)
- TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- TRAFFIC CONTROL CONES 42-INCHES
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- * — ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

END ROAD WORK
G20-2A
48"X24"

SIGN R1-1 ACCOUNTED FOR DURING STAGE 2A IN MISCELLANEOUS QUANTITIES.

STOP
R1-1
36"X36"

R3-1
24"X24"

OPEN FOLDING STOP SIGN TO DISPLAY SIGN DURING ALL SUB-STAGES OF STAGE 2.

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

CTH T

W01-1

INSTALL SIGN W03-1 600 FEET FROM STOP SIGN. SIGN ACCOUNTED FOR DURING STAGE 2A IN MISCELLANEOUS QUANTITIES.

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED 500 FT
W20-3D

REFERENCE SDD 15C2, "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B FOR LOCATION OF SIGNS W20-3A AND W20-3D AND ANY APPLICABLE NOTES. THESE SIGNS ARE ACCOUNTED FOR IN STAGE 1 OF MISCELLANEOUS QUANTITIES.

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STH 15 WB

STH 15 EB

101'WB' 102'WB' 103'WB' 104'WB' 105'WB' 106'WB' 107'WB' 108'WB'

101'EB' 102'EB' 103'EB' 104'EB' 105'EB' 106'EB' 107'EB' 108'EB'

25' SPACING (TYP)

W03-1

W01-4L

CURB AND GUTTER, CONCRETE PAVEMENT, ASPHALT PAVING AND SHOULDERS FROM EASTBOUND STA 101'EB'+00 TO STA 105'EB'+00 TO BE INSTALLED DURING STAGE 1B.

TEMPORARY MARKING LINE PAINT 4-INCH (2 LINES - YELLOW)

REFERENCE SDD 15D40-04C, "TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" FOR LOCATION OF SIGNS, WO1-4L, WO1-6 AND TYPE III BARRICADE AND ANY APPLICABLE NOTES.

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2B	SHEET 173	E

2

2

INL

INL

INL

USH 45

SIGN

ROAD CLOSED AHEAD
W20-3A

ROAD WORK 1 MILE
W20-1F

REFERENCE SDD 15C2, "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B FOR LOCATION OF SIGN W20-3A AND ANY APPLICABLE NOTES. THIS SIGN IS ACCOUNTED FOR IN STAGE 2A OF MISCELLANEOUS QUANTITIES.

REFERENCE SDD 15D12-A, "TRAFFIC CONTROL, LANE CLOSURE" FOR SPACING OF SIGNS W4-2R, W20-5A, W20-1F AND TRAFFIC CONTROL DRUMS AND ANY OTHER APPLICABLE NOTES.

LEGEND

	WORK ZONE
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH 1 TYPE A WARNING LIGHT (FLASHING)
	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

REFERENCE SDD 15D40-04C, "TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" FOR LOCATION OF SIGN WO13-1 AND ANY APPLICABLE NOTES.

RIPRAP

LEFT LANE MUST TURN LEFT
R3-7L
30"X30"

INL

INL

INL

29+00

30+00

31+00

32+00

33+00

34+00

35+00

USH 45

SIGN

SIGN

RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"

PLACE SIGN WO3-1 600 FEET FROM STOP SIGN. THIS SIGN IS ACCOUNTED FOR IN STAGE 2A OF MISCELLANEOUS QUANTITIES.

WO3-1

ROAD CLOSED 500 FT
W20-3D

REFERENCE SDD 15C2, "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B FOR LOCATION OF SIGN W20-3D AND ANY APPLICABLE NOTES. THIS SIGN IS ACCOUNTED FOR IN STAGE 2A OF MISCELLANEOUS QUANTITIES.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2B (USH 45 NON-WORKING HOURS)	SHEET 174	E

2

END ROAD WORK
G20-2A
48"X24"

OPEN FOLDING STOP SIGN TO DISPLAY SIGN DURING ALL SUB-STAGES OF STAGE 2.

STOP
R1-1
36"X36"

SIGN R1-1 ACCOUNTED FOR DURING STAGE 2 IN MISCELLANEOUS QUANTITIES.

R3-1
24"X24"

100'EB

100'WB

USH 45

36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00

SIGN

INL

MH

ASPHALT

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

STH 15

TEMPORARY MARKING LINE
PAINT 4-INCH (2 LINES - YELLOW)

N

LEGEND

	WORK ZONE
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH 1 TYPE A WARNING LIGHT (FLASHING)
	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

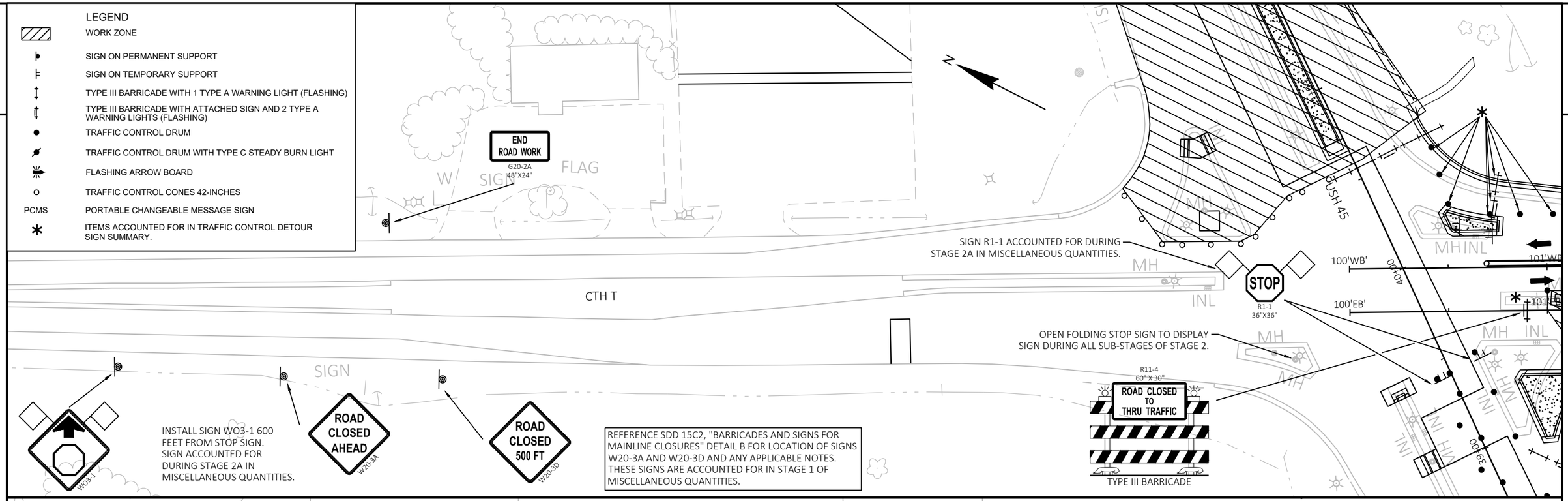
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2B (USH 45 NON-WORKING HOURS)	SHEET 175	E

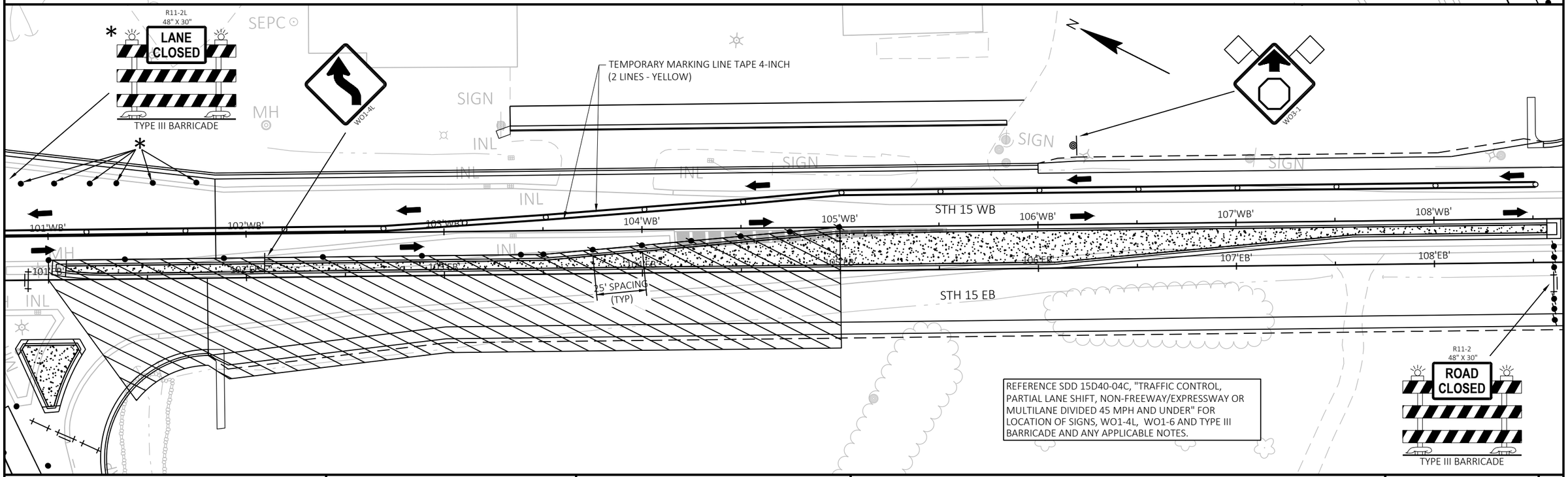
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\025003_TC_2B_NO 45.DWG
LAYOUT NAME - 025003a_tc
PLOT DATE : 4/25/2023 1:00 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

LEGEND

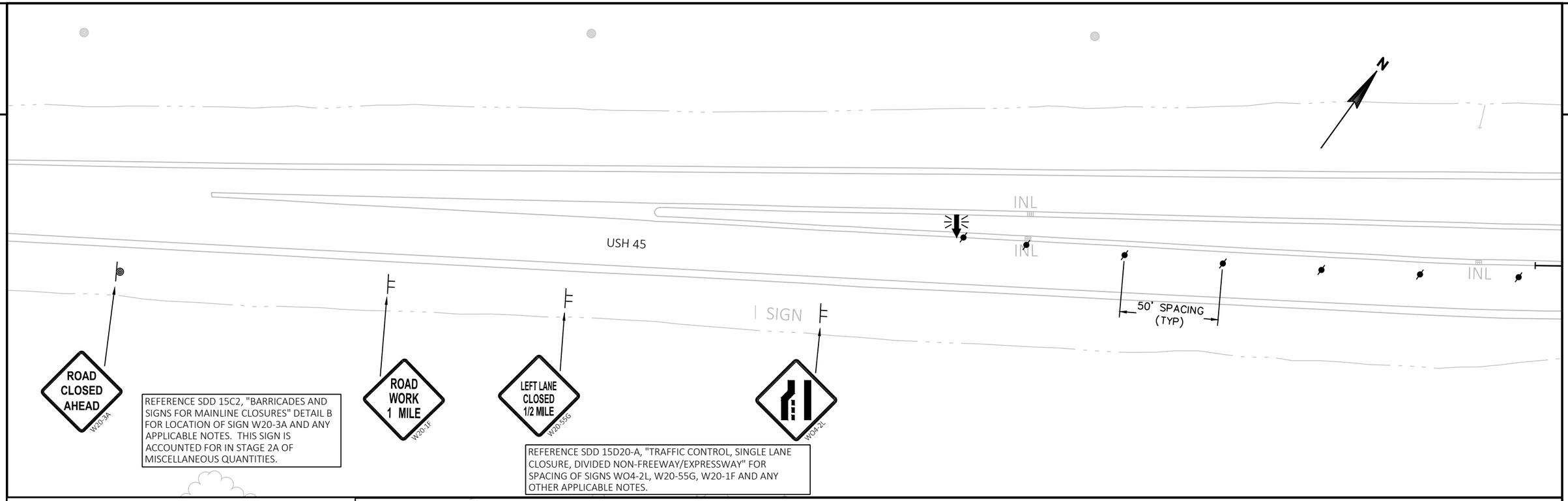
- WORK ZONE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH 1 TYPE A WARNING LIGHT (FLASHING)
- TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- TRAFFIC CONTROL CONES 42-INCHES
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- * — ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.





PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2B (USH 45 NON-WORKING HOURS)	SHEET 176	E

2

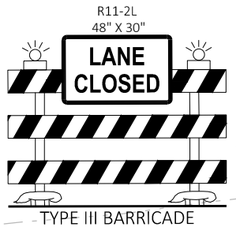


REFERENCE SDD 15C2, "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B FOR LOCATION OF SIGN W20-3A AND ANY APPLICABLE NOTES. THIS SIGN IS ACCOUNTED FOR IN STAGE 2A OF MISCELLANEOUS QUANTITIES.

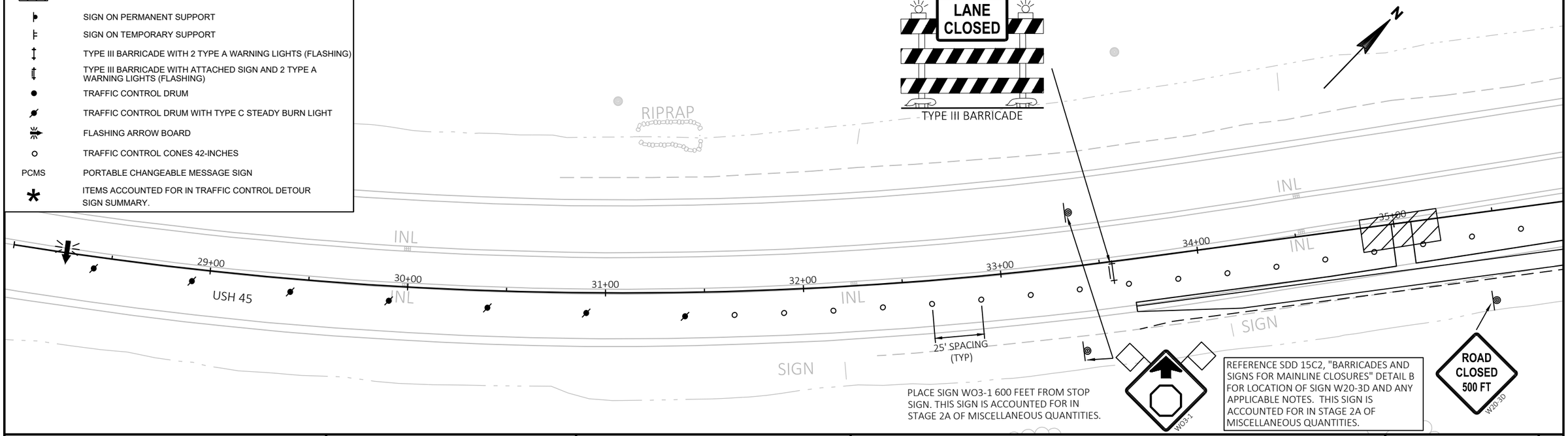
REFERENCE SDD 15D20-A, "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY" FOR SPACING OF SIGNS WO4-2L, W20-55G, W20-1F AND ANY OTHER APPLICABLE NOTES.

LEGEND

	WORK ZONE
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.



TYPE III BARRICADE



PLACE SIGN WO3-1 600 FEET FROM STOP SIGN. THIS SIGN IS ACCOUNTED FOR IN STAGE 2A OF MISCELLANEOUS QUANTITIES.

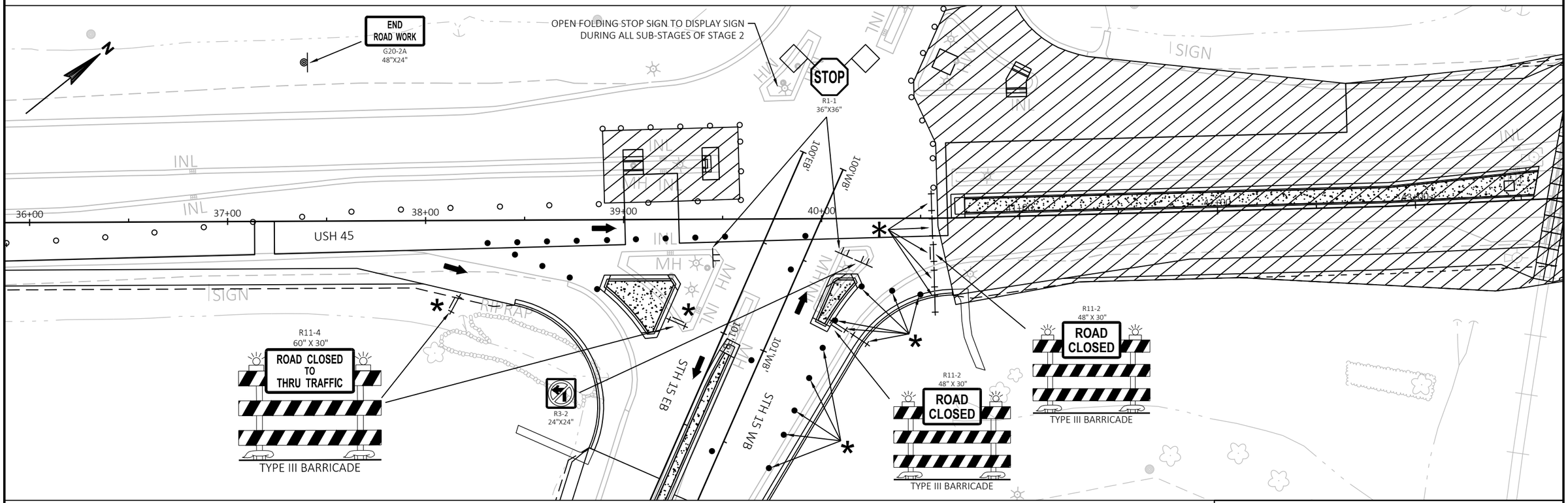
REFERENCE SDD 15C2, "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B FOR LOCATION OF SIGN W20-3D AND ANY APPLICABLE NOTES. THIS SIGN IS ACCOUNTED FOR IN STAGE 2A OF MISCELLANEOUS QUANTITIES.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2C	SHEET 177	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\025003_TC_2C_NEW.DWG
LAYOUT NAME - 025003_tc
PLOT DATE : 4/25/2023 1:00 PM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

SIGN R1-1 ACCOUNTED FOR DURING STAGE 2A IN MISCELLANEOUS QUANTITIES.



LEGEND

	WORK ZONE
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2C	SHEET 178	E

2

LEGEND

- WORK ZONE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- TRAFFIC CONTROL CONES 42-INCHES
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- * — ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

END ROAD WORK
G20-2A
48"X24"

SIGN R1-1 ACCOUNTED FOR DURING STAGE2 IN MISCELLANEOUS QUANTITIES.

STOP
R1-1
36"X36"

OPEN FOLDING STOP SIGN TO DISPLAY SIGN DURING ALL SUB-STAGES OF STAGE 2.

CTH T

USH 45

WO3-1

PLACE SIGN WO3-1 600 FEET FROM STOP SIGN. SIGN ACCOUNTED FOR DURING STAGE 2A IN MISCELLANEOUS QUANTITIES.

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED 500 FT
W20-3D

REFERENCE SDD 15C2, "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B FOR LOCATION OF SIGNS W20-3A AND W20-3D AND ANY APPLICABLE NOTES. THESE SIGNS ARE ACCOUNTED FOR IN STAGE 1 OF MISCELLANEOUS QUANTITIES.

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STH 15 WB

STH 15 EB

101'WB' 102'WB' 103'WB' 104'WB' 105'WB' 106'WB' 107'WB' 108'WB'

101'EB' 102'EB' 103'EB' 104'EB' 105'EB' 106'EB' 107'EB' 108'EB'

100'WB' 101'WB

100'EB' 101'EB

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2C	SHEET 179	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\025003_TC_2C_NEW.DWG
LAYOUT NAME - 025004_tc

PLOT DATE : 4/25/2023 1:00 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

REFERENCE SDD 15C2, "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B FOR LOCATION OF SIGN W20-3A AND ANY APPLICABLE NOTES. THIS SIGN IS ACCOUNTED FOR IN STAGE 2A OF MISCELLANEOUS QUANTITIES.

WO1-6
48" X 24"
TYPE III BARRICADE

9 ADDITIONAL TRAFFIC CONTROL DRUMS NOT SHOWN

USH 45

INL

INL

INL

SIGN

25'

500'

50' SPACING (TYP)

WO1-6
48" X 24"
TYPE III BARRICADE

ROAD CLOSED AHEAD
W20-3A

ROAD WORK 1 MILE
W20-1F

RIGHT LANE CLOSED 1/2 MILE
W20-5G

W04-2R

REFERENCE SDD 15D12-A, "TRAFFIC CONTROL, LANE CLOSURE" FOR SPACING OF SIGNS W20-1F, W20-5G, WO4-2R AND TRAFFIC CONTROL DRUMS AND ANY OTHER APPLICABLE NOTES AND REFERENCE SDD 15D40-B, "TRAFFIC CONTROL, FULL LANE SHIFT, MULTI-LANE DIVIDED 50 MPH AND GREATER" FOR SPACING OF SIGNS WO1-6 AND BARRICADES AND ANY OTHER APPLICABLE NOTES.

LEGEND

	WORK ZONE
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

RIPRAP

INL

INL

INL

USH 45

29+00

30+00

31+00

32+00

33+00

34+00

35+00

100' SPACING (TYP)

SIGN

SIGN

PLACE SIGN WO3-1 600 FEET FROM STOP SIGN. THIS SIGN IS ACCOUNTED FOR IN STAGE 2A OF MISCELLANEOUS QUANTITIES.

W03-1

REFERENCE SDD 15C2, "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B FOR LOCATION OF SIGN W20-3D AND ANY APPLICABLE NOTES. THIS SIGN IS ACCOUNTED FOR IN STAGE 2A OF MISCELLANEOUS QUANTITIES.

ROAD CLOSED 500 FT
W20-3D

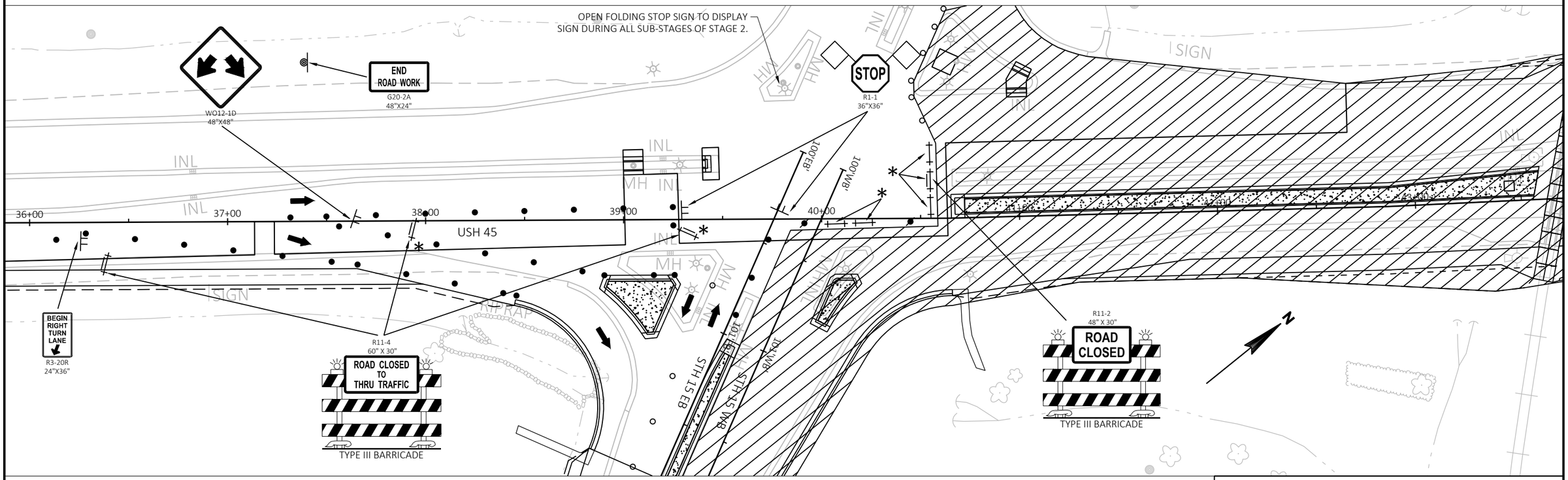
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2D	SHEET 180	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\025003_TC_2D_NEW.DWG
LAYOUT NAME - 025003_tc
PLOT DATE : 4/25/2023 1:01 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

SIGN R1-1 ACCOUNTED FOR DURING
STAGE 2A IN MISCELLANEOUS QUANTITIES.

OPEN FOLDING STOP SIGN TO DISPLAY
SIGN DURING ALL SUB-STAGES OF STAGE 2.



REFERENCE SDD 15D21-07A, "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE" FOR PLACEMENT OF SIGN R3-20R AND TRAFFIC CONTROL DRUMS AND ANY OTHER APPLICABLE NOTES.

FOR TRANSITION FROM PAVED SURFACE TO BASE AGGREGATE SURFACE AT RIGHT TURN LANE FROM USH 45 TO EB STH 15, EB STH 15 AND WB STH 15, REFERENCE SDD 15D45, "TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL" FOR PLACEMENT OF SIGNS WO8-7 AND WO8-1 AND ANY OTHER APPLICABLE NOTES.

LEGEND

	WORK ZONE
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

LEGEND

- WORK ZONE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- TRAFFIC CONTROL CONES 42-INCHES
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- * — ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

END ROAD WORK
G20-2A
48"X24"

SIGN R1-1 ACCOUNTED FOR DURING STAGE 2A IN MISCELLANEOUS QUANTITIES.

STOP
R1-1
36"X36"

OPEN FOLDING STOP SIGN TO DISPLAY SIGN DURING ALL SUB-STAGES OF STAGE 2.

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

W03-1

PLACE SIGN WO3-1 600 FEET FROM STOP SIGN. THIS SIGN IS ACCOUNTED FOR IN STAGE 2A OF MISCELLANEOUS QUANTITIES.

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED 500 FT
W20-3D

REFERENCE SDD 15C2, "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL B FOR LOCATION OF SIGNS W20-3A AND W20-3D AND ANY APPLICABLE NOTES. THESE SIGNS ARE ACCOUNTED FOR IN STAGE 1 OF MISCELLANEOUS QUANTITIES.

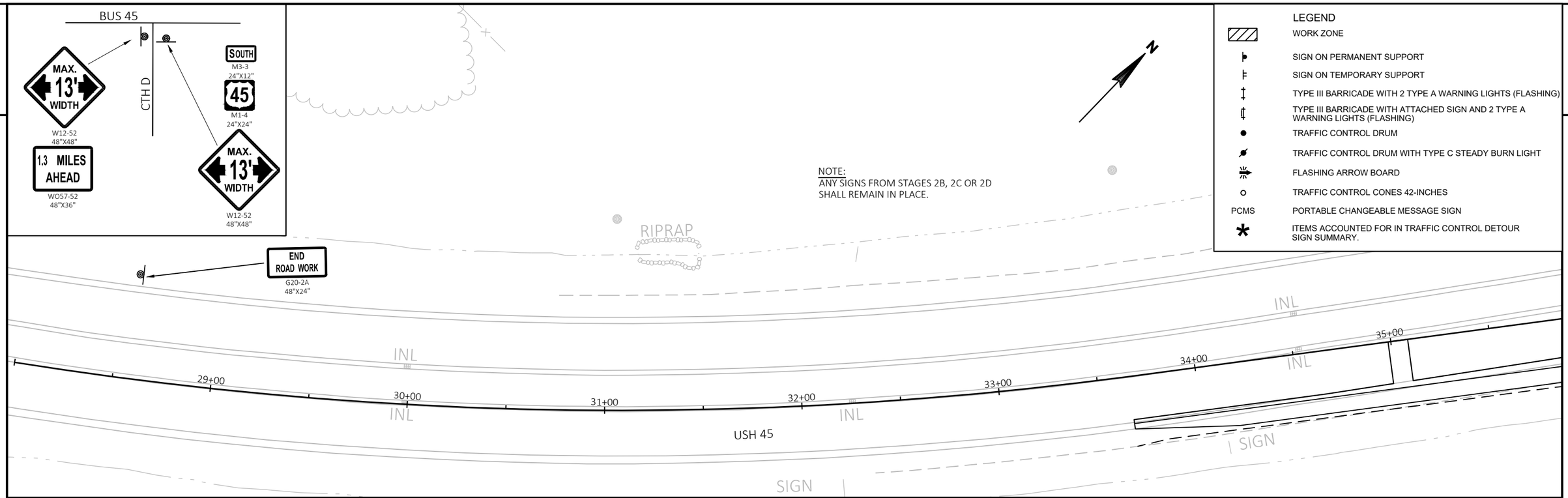
CURB AND GUTTER IN MEDIAN, CONCRETE PAVEMENT AND ASPHALT PAVING FROM STA 101'EB+00 TO STA 105'EB'+00 TO BE INSTALLED DURING STAGE 1A.

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

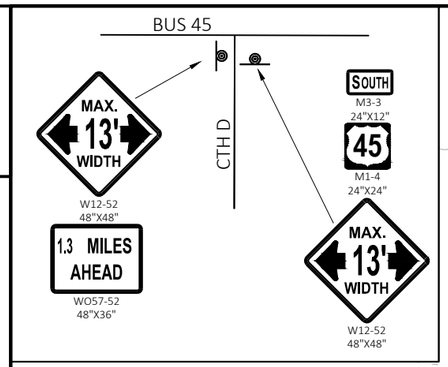
FOR TRANSITION FROM PAVED SURFACE TO BASE AGGREGATE SURFACE AT RIGHT TURN LANE FROM USH 45 TO EB STH 15, EB STH 15 AND WB STH 15, REFERENCE SDD 15D45, "TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL" FOR PLACEMENT OF SIGNS WO8-7 AND WO8-1 AND ANY OTHER APPLICABLE NOTES.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2D	SHEET 182	E

2



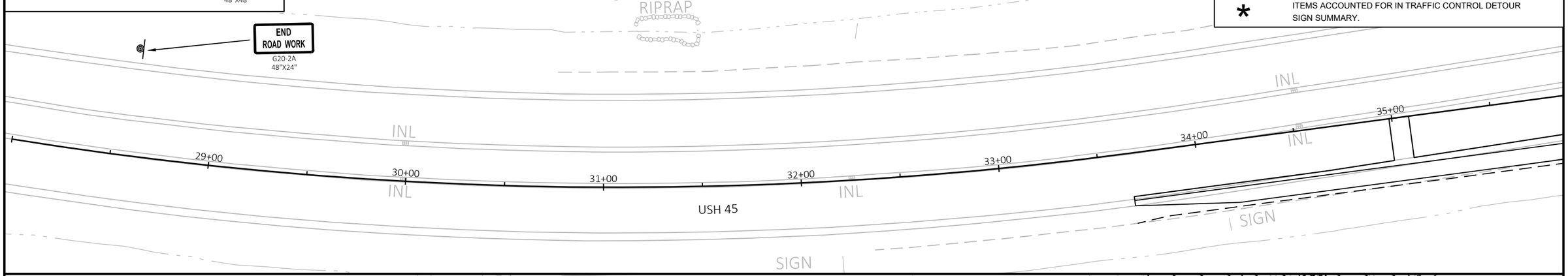
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2E	SHEET 183 E



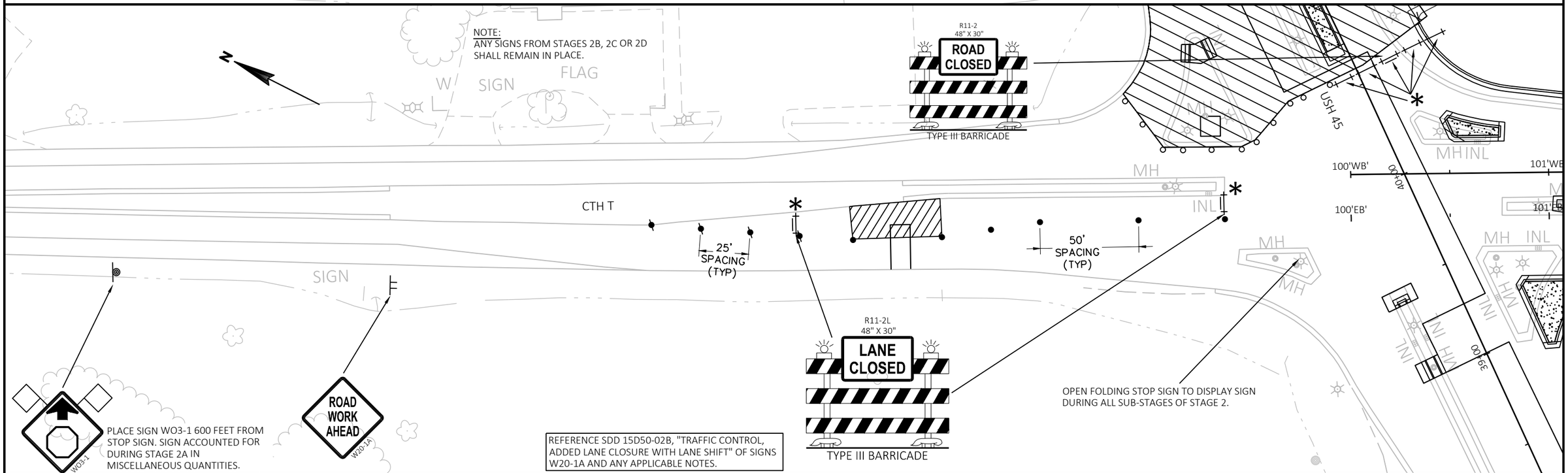
LEGEND

	WORK ZONE
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

NOTE:
ANY SIGNS FROM STAGES 2B, 2C OR 2D SHALL REMAIN IN PLACE.



NOTE:
ANY SIGNS FROM STAGES 2B, 2C OR 2D SHALL REMAIN IN PLACE.



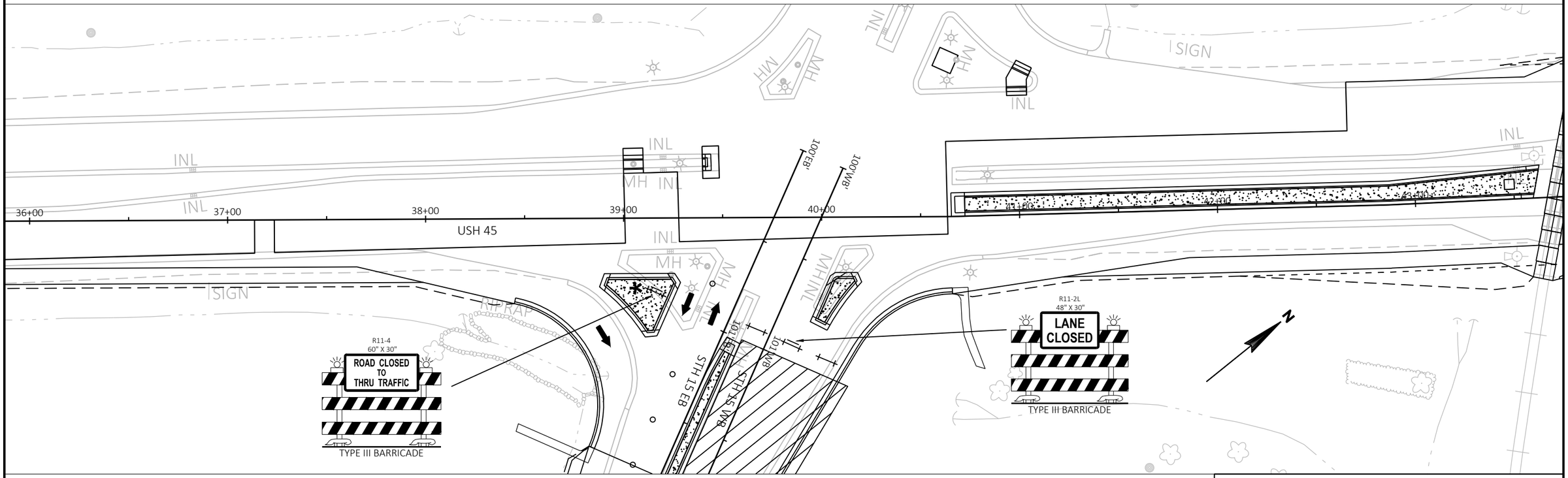
PLACE SIGN WO3-1 600 FEET FROM STOP SIGN. SIGN ACCOUNTED FOR DURING STAGE 2A IN MISCELLANEOUS QUANTITIES.

REFERENCE SDD 15D50-02B, "TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT" OF SIGNS W20-1A AND ANY APPLICABLE NOTES.

OPEN FOLDING STOP SIGN TO DISPLAY SIGN DURING ALL SUB-STAGES OF STAGE 2.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 2F	SHEET 184 E

2



FOR TRANSITION FROM PAVED SURFACE TO BASE AGGREGATE SURFACE AT RIGHT TURN LANE FROM USH 45 TO EB STH 15, EB STH 15 AND WB STH 15, REFERENCE SDD 15D45, "TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL" FOR PLACEMENT OF SIGNS WO8-7 AND WO8-1 AND ANY OTHER APPLICABLE NOTES.

LEGEND

	WORK ZONE
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

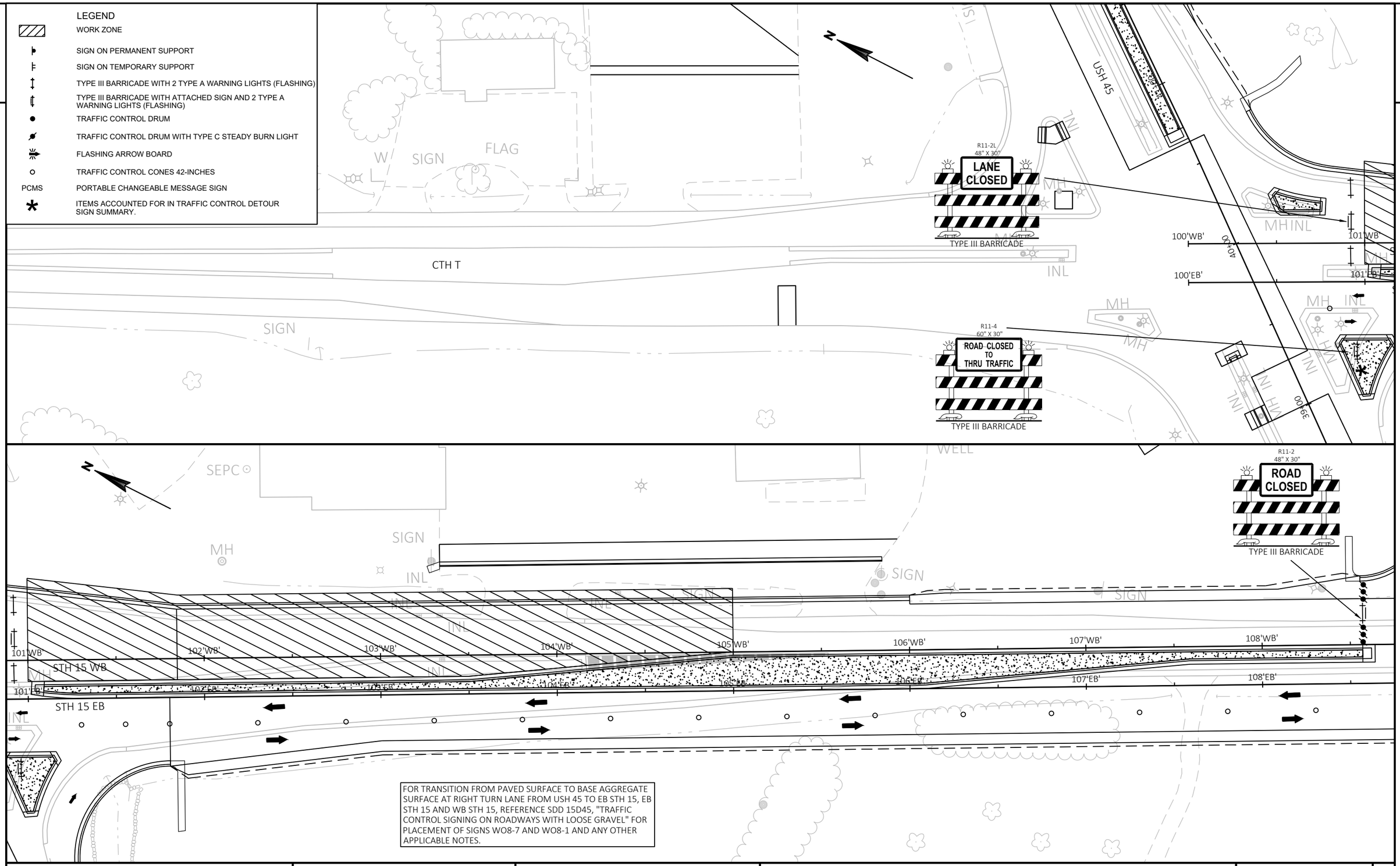
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1A	SHEET 185	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\025003_TC_1A_NEW.DWG
LAYOUT NAME - 025003a_tc
PLOT DATE : 4/25/2023 1:03 PM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

LEGEND

	WORK ZONE
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH 2 TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	TRAFFIC CONTROL CONES 42-INCHES
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
*	ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

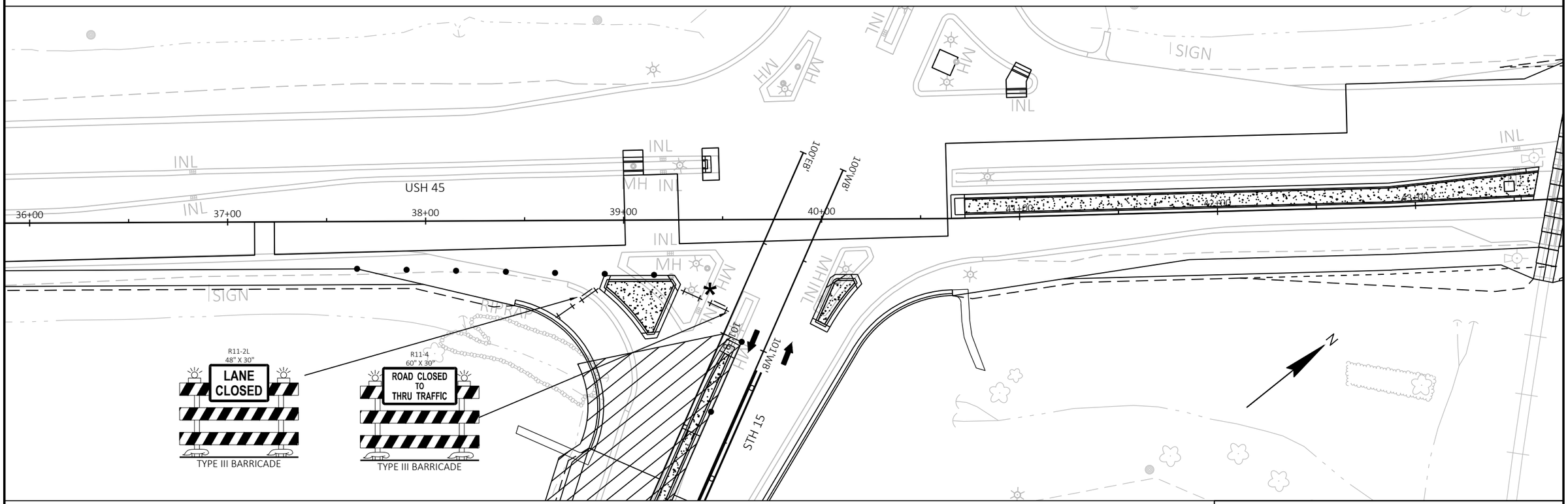


FOR TRANSITION FROM PAVED SURFACE TO BASE AGGREGATE SURFACE AT RIGHT TURN LANE FROM USH 45 TO EB STH 15, EB STH 15 AND WB STH 15, REFERENCE SDD 15D45, "TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL" FOR PLACEMENT OF SIGNS WO8-7 AND WO8-1 AND ANY OTHER APPLICABLE NOTES.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1A	SHEET 186	E

2

2



LEGEND

- WORK ZONE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH 1 TYPE A WARNING LIGHT (FLASHING)
- TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- TRAFFIC CONTROL CONES 42-INCHES
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- * — ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1B	SHEET 187	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\025003_TC_1B_NEW.DWG
LAYOUT NAME - 025003a_tc

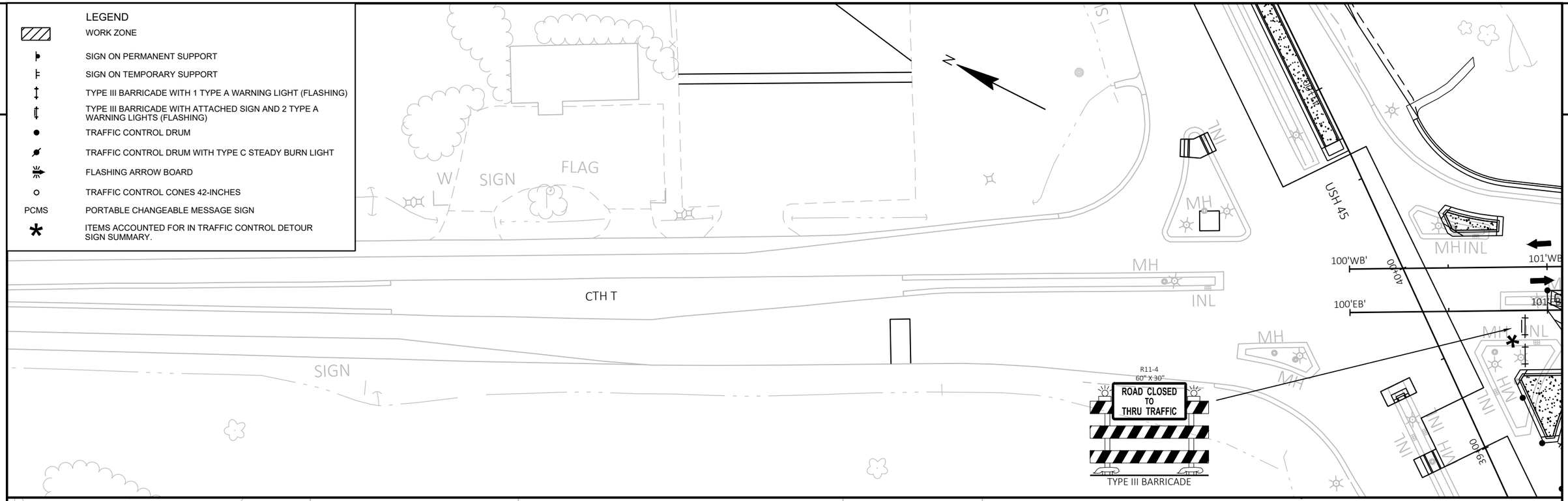
PLOT DATE : 4/25/2023 1:04 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : ##########

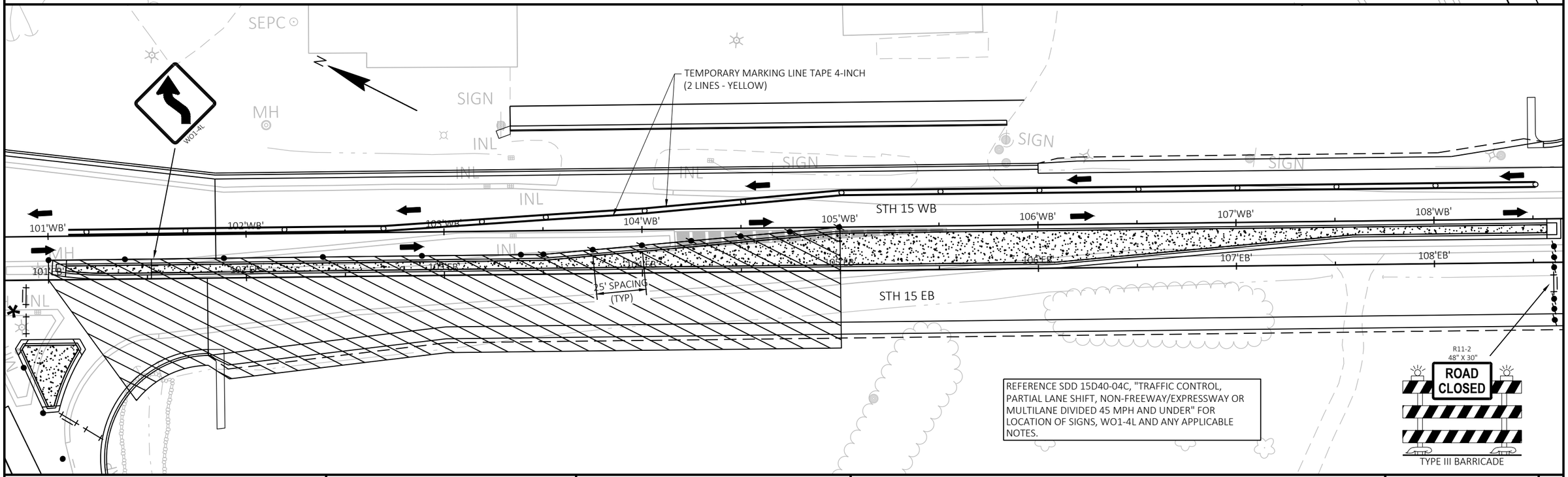
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH 1 TYPE A WARNING LIGHT (FLASHING)
- TYPE III BARRICADE WITH ATTACHED SIGN AND 2 TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- TRAFFIC CONTROL CONES 42-INCHES
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- * — ITEMS ACCOUNTED FOR IN TRAFFIC CONTROL DETOUR SIGN SUMMARY.





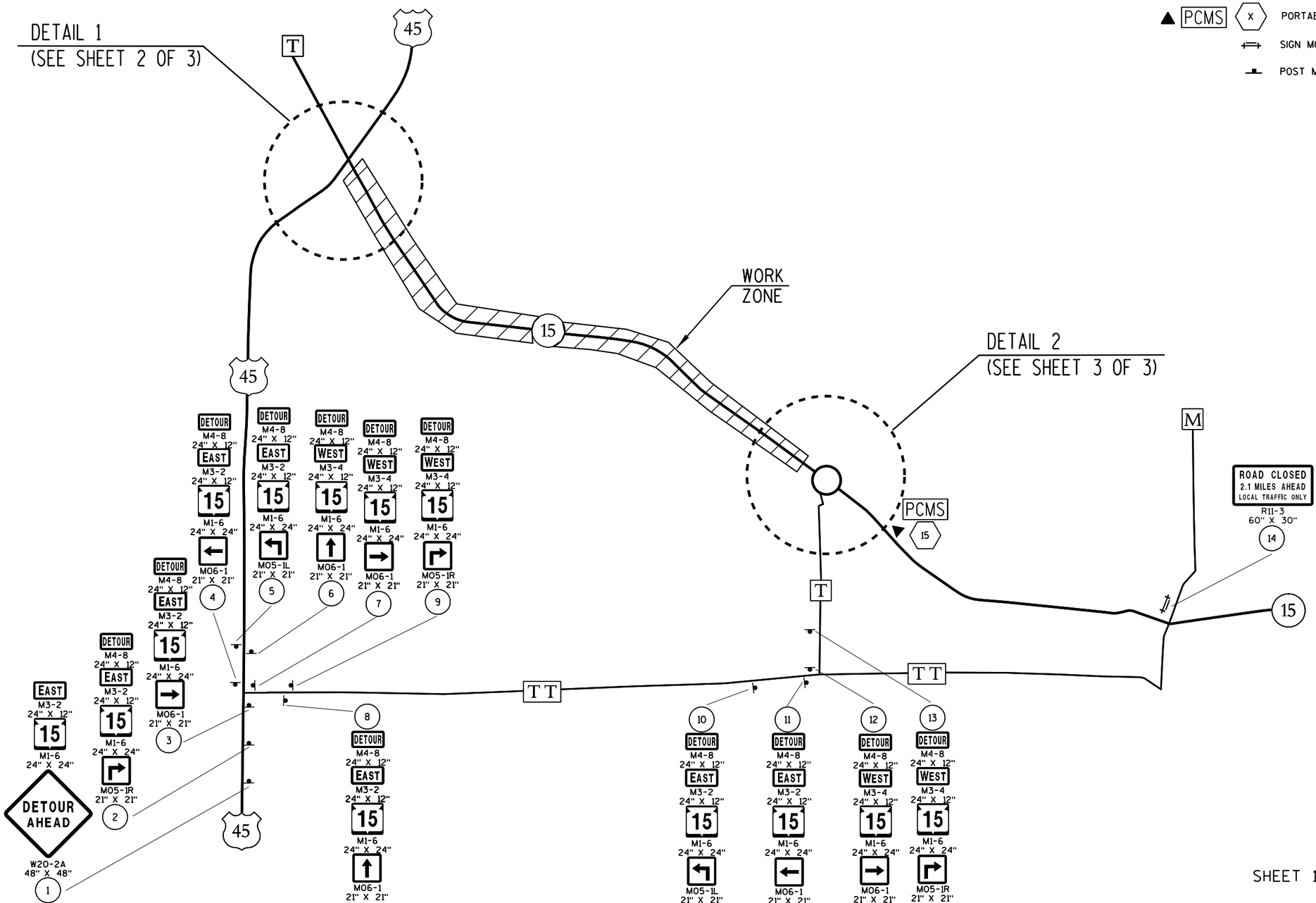
REFERENCE SDD 15D40-04C, "TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" FOR LOCATION OF SIGNS, WO1-4L AND ANY APPLICABLE NOTES.

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 1B	SHEET 188	E

2

LEGEND

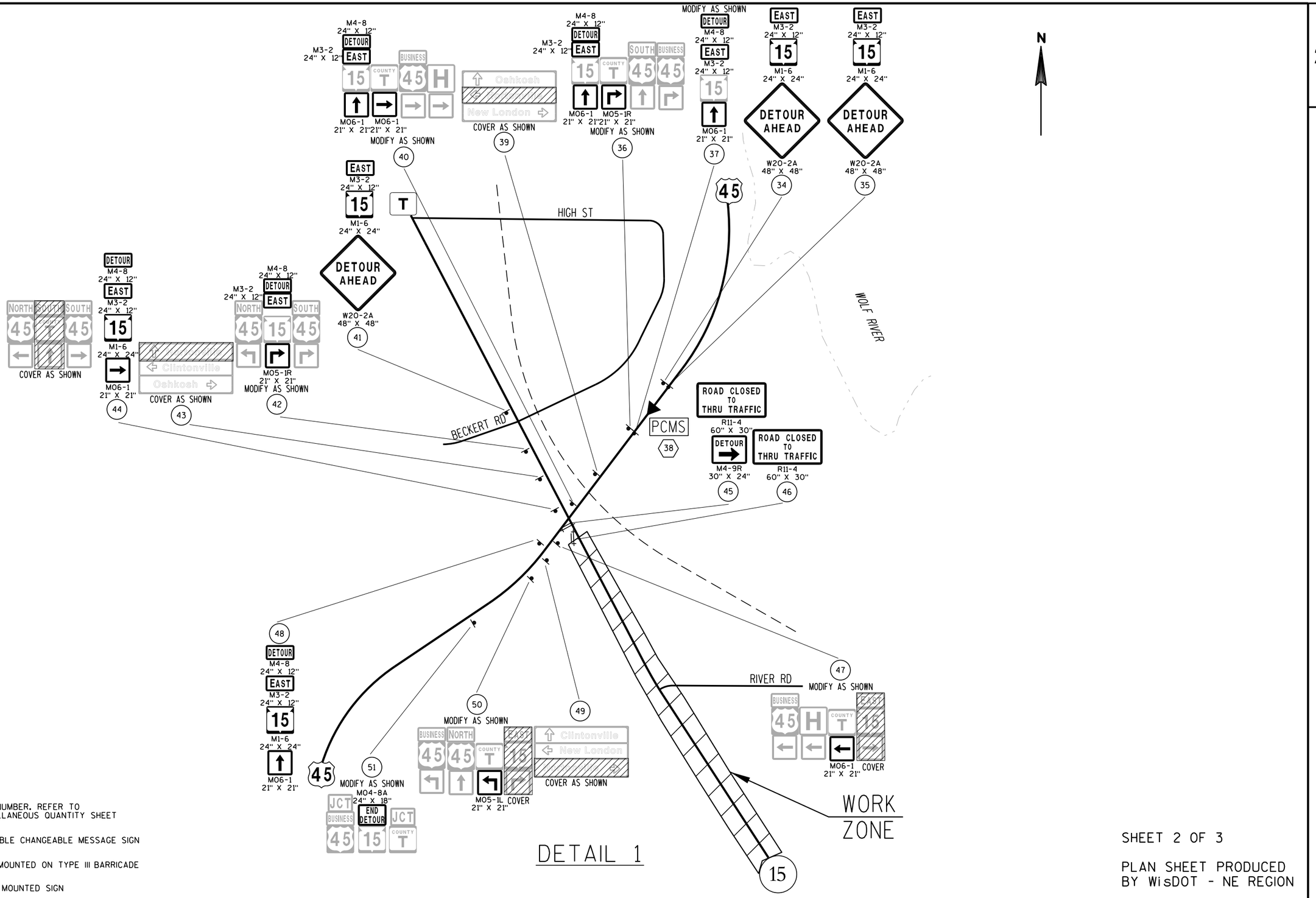
- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN



SHEET 1 OF 3

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL - STAGE 1	SHEET 189	E



DETAIL 1

LEGEND

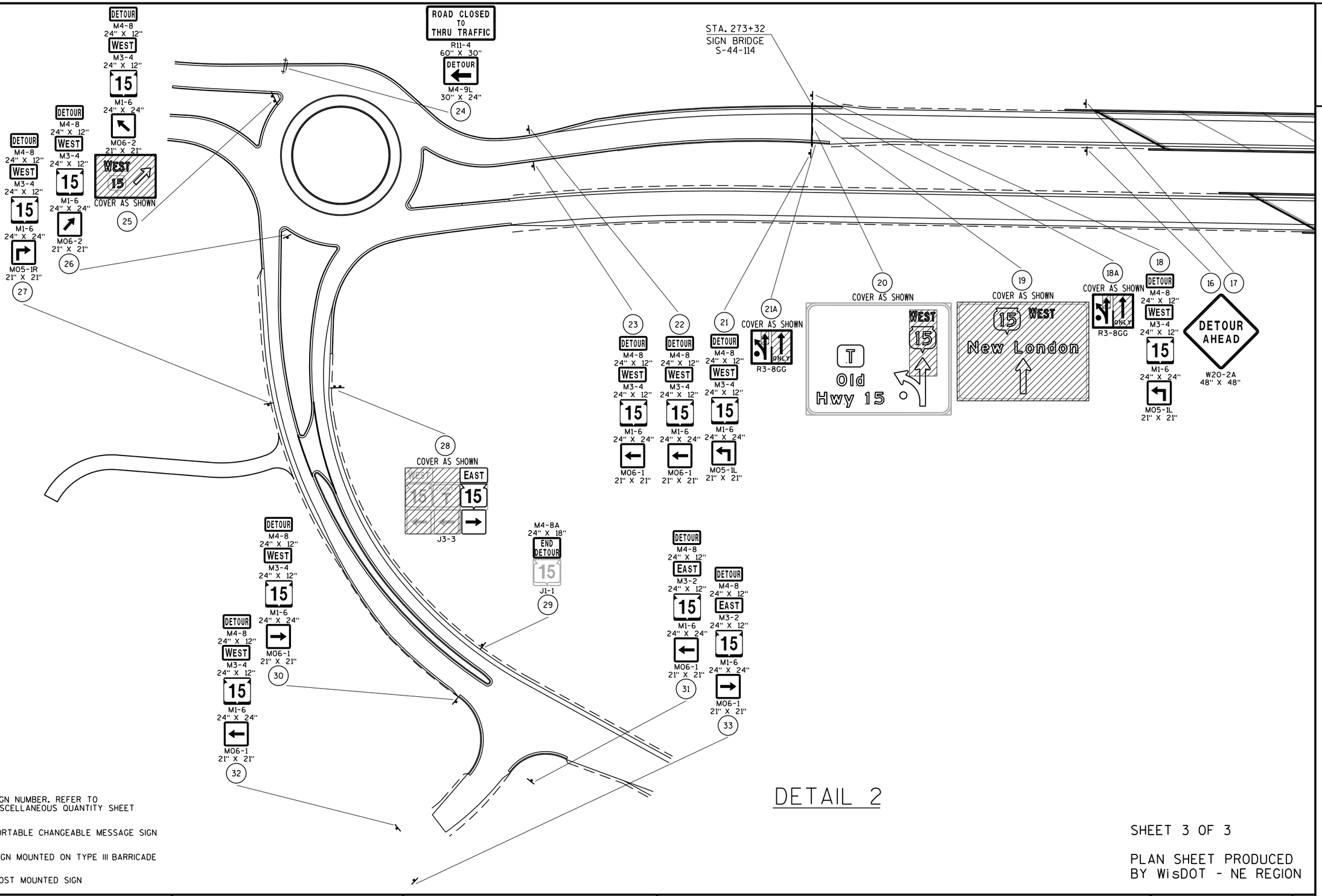
- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

SHEET 2 OF 3

PLAN SHEET PRODUCED BY WisDOT - NE REGION

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL - STAGE 1	SHEET 190	E

2



LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

DETAIL 2

SHEET 3 OF 3

PLAN SHEET PRODUCED BY WisDOT - NE REGION

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL - STAGE 1	SHEET 191	E

2

N

DETOUR AHEAD
W20-2A
48" X 48"
54

DETOUR
M04-8
24" X 12"
SOUTH
M3-3
24" X 12"
45
M1-4
24" X 24"
M05-2R
21" X 21"
56

ROAD OPEN TO WOLF RIVER SHORELINE FISHING AREA
FMS
42" X 30"
58A

DETOUR
M04-8
24" X 12"
SOUTH
M3-3
24" X 12"
45
M1-4
24" X 24"
M06-1
21" X 21"
20

DETOUR
M04-8
24" X 12"
NORTH
M3-1
24" X 12"
45
M1-4
24" X 24"
M06-1
21" X 21"
19

DETOUR
M04-8
24" X 12"
NORTH
M3-1
24" X 12"
45
M1-4
24" X 24"
M06-1
21" X 21"
14

Business District
Marion
Amherst
COVER
10

ROAD CLOSED
R11-2
48" X 30"
6

DETOUR
M04-9L
30" X 24"
7

WORK ZONE

WORK ZONE

PCMS
65

PCMS
64

54

S

N MAIER ST

45

15

T

15

45

N MAIER ST

MILL ST

45

DIVISION ST

D

N SHAWANO ST

WOLF RIVER

BYMAN ST

N WOLF RIVER AVE

N FARMER DR

N RECKERT RD

PERSHING RD

45

45

4
COVER
Clintonville
New London
Harrisonville

5
DETOUR
M04-8
24" X 12"
NORTH
M3-1
24" X 12"
45
M1-4
24" X 24"
M06-1
21" X 21"

COVER
BUSINESS
45
H
COUNTY
T
EAST
15
J2-4

2
DETOUR
M04-8
24" X 12"
NORTH
M3-1
24" X 12"
45
M1-4
24" X 24"
M05-1L
21" X 21"

MODIFY
FROM
BUSINESS
NORTH
45
45
COUNTY
T
EAST
15
J2-4

3
TO
DETOUR
M04-8
24" X 12"
COVER
BUSINESS
NORTH
45
45
COUNTY
T
EAST
15
M05-1L
21" X 21"

15
COVER
NORTH
SOUTH
45
COUNTY
T
SOUTH
45
J3-3

1
DETOUR AHEAD
W20-2A
48" X 48"

W

17
COVER
NORTH
EAST
45
15
SOUTH
45
J2-3

16
COVER
Harrisonville
COVER
Clintonville
Oshkosh

MODIFY
FROM
JCT
JCT
15
45
J1-2

18
TO
END DETOUR
M04-8A
24" X 18"
JCT
15
45

X

53
DETOUR AHEAD
W20-2A
48" X 48"

55
DETOUR
M04-8
24" X 12"
SOUTH
M3-3
24" X 12"
45
M1-4
24" X 24"
M05-2R
21" X 21"

57
DETOUR
M04-8
24" X 12"
SOUTH
M3-3
24" X 12"
45
M1-4
24" X 24"
M06-2
21" X 21"

58
DETOUR
M04-8
24" X 12"
SOUTH
M3-3
24" X 12"
45
M1-4
24" X 24"
M05-1R
21" X 21"

59
DETOUR
M04-8
24" X 12"
SOUTH
M3-3
24" X 12"
45
M1-4
24" X 24"
M06-1
21" X 21"

54

LEGEND

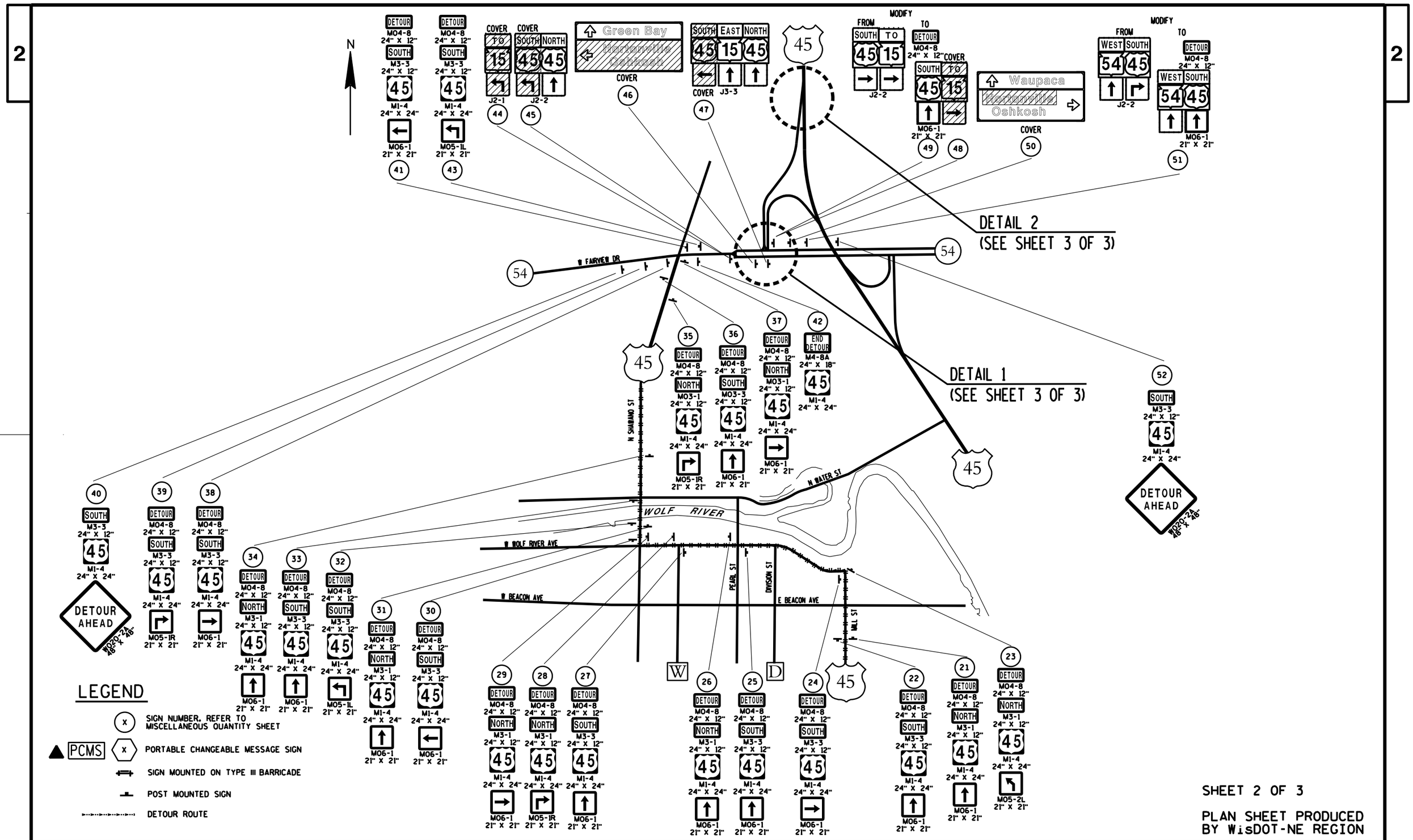
- (X) SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN
- TRAFFIC CONTROL DRUMS
- DETOUR ROUTE

SHEET 1 OF 3

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL - STAGES 1 & 2	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

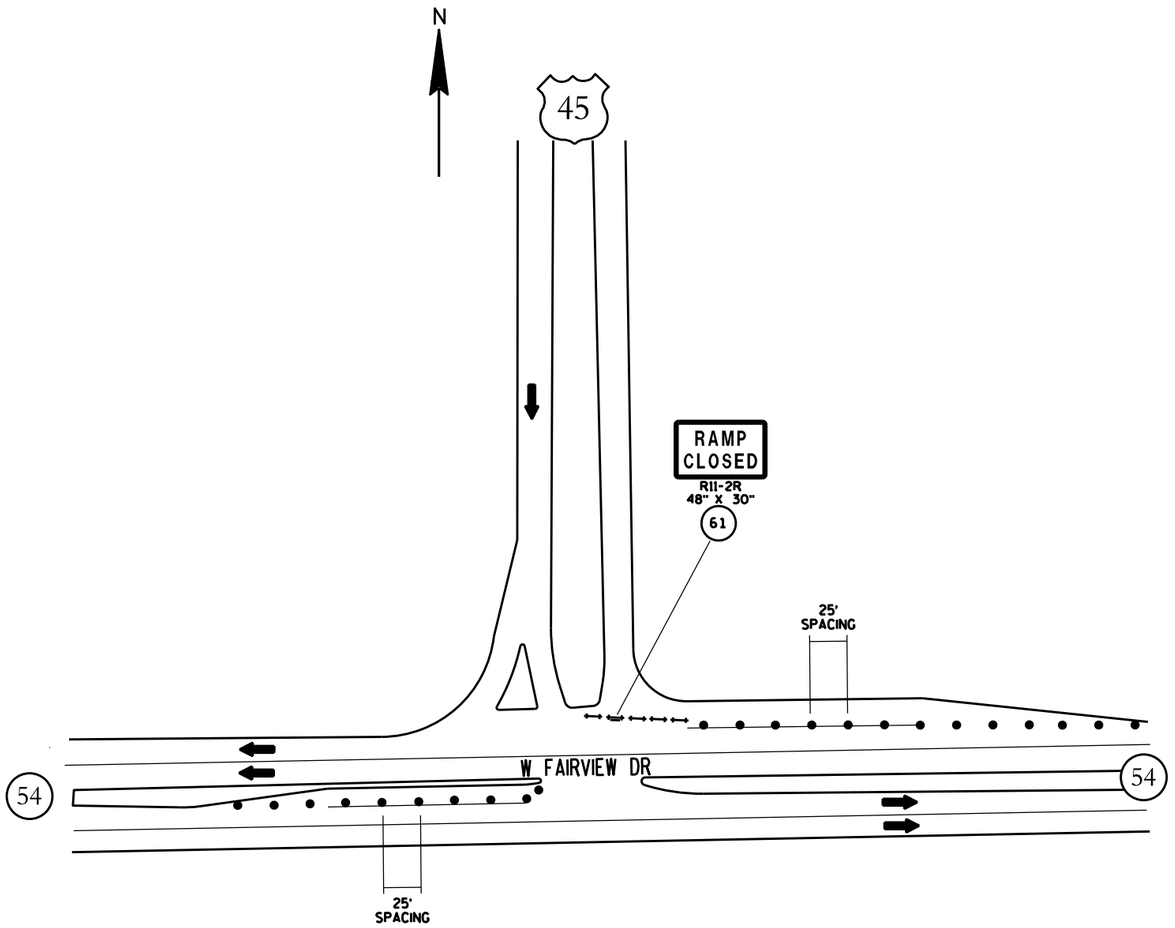


SHEET 2 OF 3

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL - STAGES 1 & 2	SHEET	E

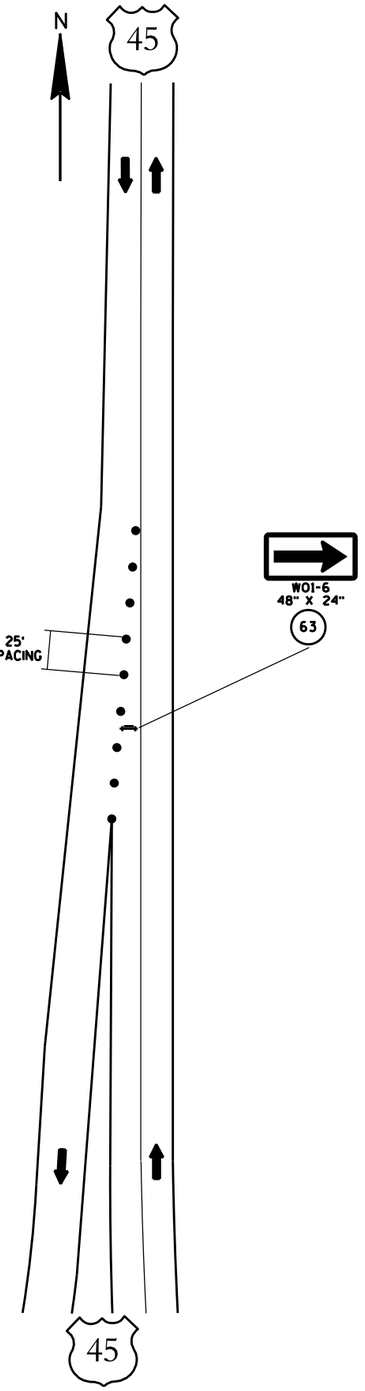
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



LEGEND

- (X) SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN
- • • • • TRAFFIC CONTROL DRUMS

DETAIL 1



DETAIL 2

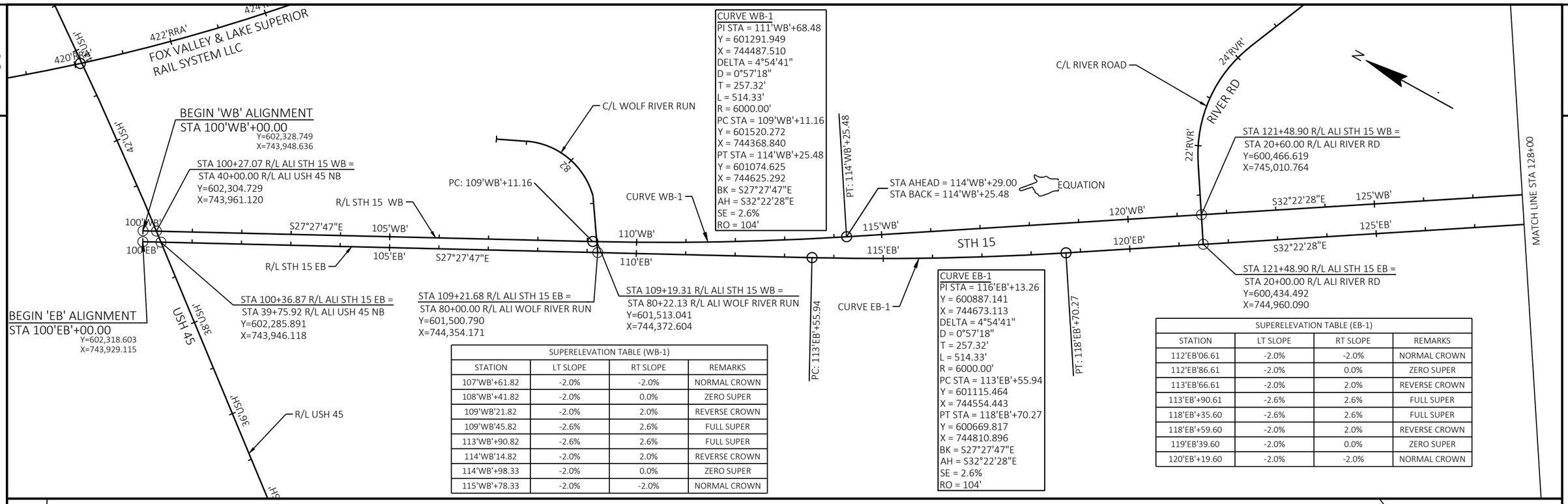
SHEET 3 OF 3

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL - STAGES 1 & 2	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

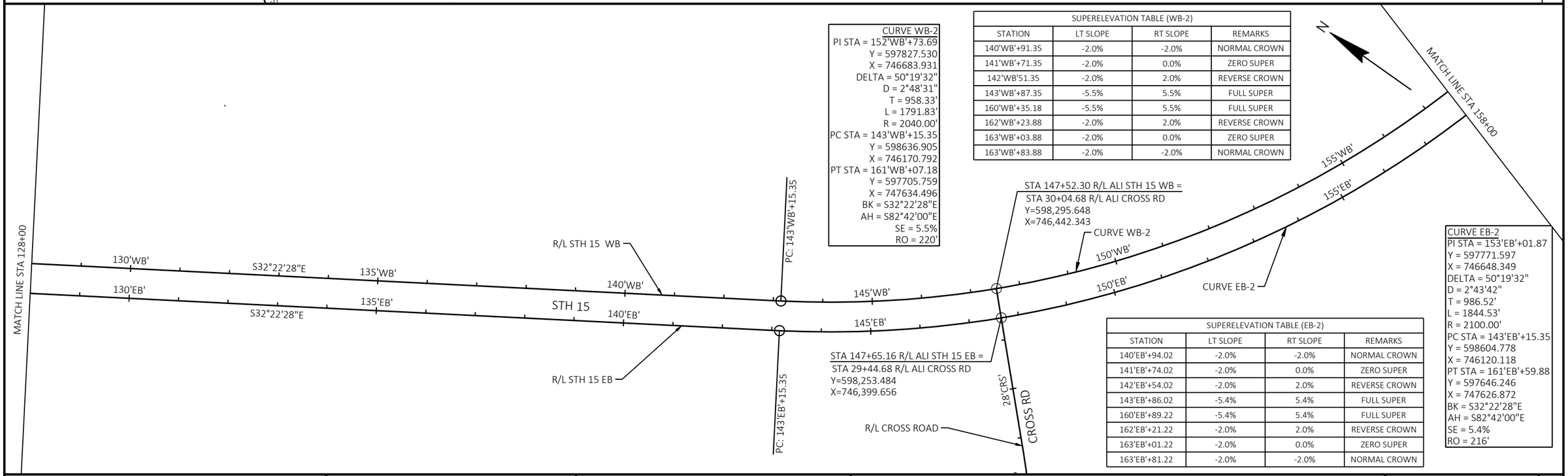


CURVE WB-1
PI STA = 111'WB'+68.48
Y = 601291.949
X = 744487.510
DELTA = 4°54'41"
D = 0°57'18"
T = 257.32'
L = 514.33'
R = 6000.00'
PC STA = 109'WB'+11.16
Y = 601520.272
X = 744368.840
PT STA = 114'WB'+25.48
Y = 601074.625
X = 744625.292
BK = S27°27'47"E
AH = S32°22'28"E
SE = 2.6%
RO = 104'

CURVE EB-1
PI STA = 116'EB'+13.26
Y = 600887.141
X = 744673.113
DELTA = 4°54'41"
D = 0°57'18"
T = 257.32'
L = 514.33'
R = 6000.00'
PC STA = 113'EB'+55.94
Y = 601115.464
X = 744554.443
PT STA = 118'EB'+70.27
Y = 600669.817
X = 744810.896
BK = S27°27'47"E
AH = S32°22'28"E
SE = 2.6%
RO = 104'

SUPERELEVATION TABLE (WB-1)			
STATION	LT SLOPE	RT SLOPE	REMARKS
107'WB'+61.82	-2.0%	-2.0%	NORMAL CROWN
108'WB'+41.82	-2.0%	0.0%	ZERO SUPER
109'WB'21.82	-2.0%	2.0%	REVERSE CROWN
109'WB'45.82	-2.6%	2.6%	FULL SUPER
113'WB'+90.82	-2.6%	2.6%	FULL SUPER
114'WB'14.82	-2.0%	2.0%	REVERSE CROWN
114'WB'+98.33	-2.0%	0.0%	ZERO SUPER
115'WB'+78.33	-2.0%	-2.0%	NORMAL CROWN

SUPERELEVATION TABLE (EB-1)			
STATION	LT SLOPE	RT SLOPE	REMARKS
112'EB'06.61	-2.0%	-2.0%	NORMAL CROWN
112'EB'86.61	-2.0%	0.0%	ZERO SUPER
113'EB'66.61	-2.0%	2.0%	REVERSE CROWN
113'EB'+90.61	-2.6%	2.6%	FULL SUPER
118'EB'+35.60	-2.6%	2.6%	FULL SUPER
118'EB'+59.60	-2.0%	2.0%	REVERSE CROWN
119'EB'39.60	-2.0%	0.0%	ZERO SUPER
120'EB'+19.60	-2.0%	-2.0%	NORMAL CROWN



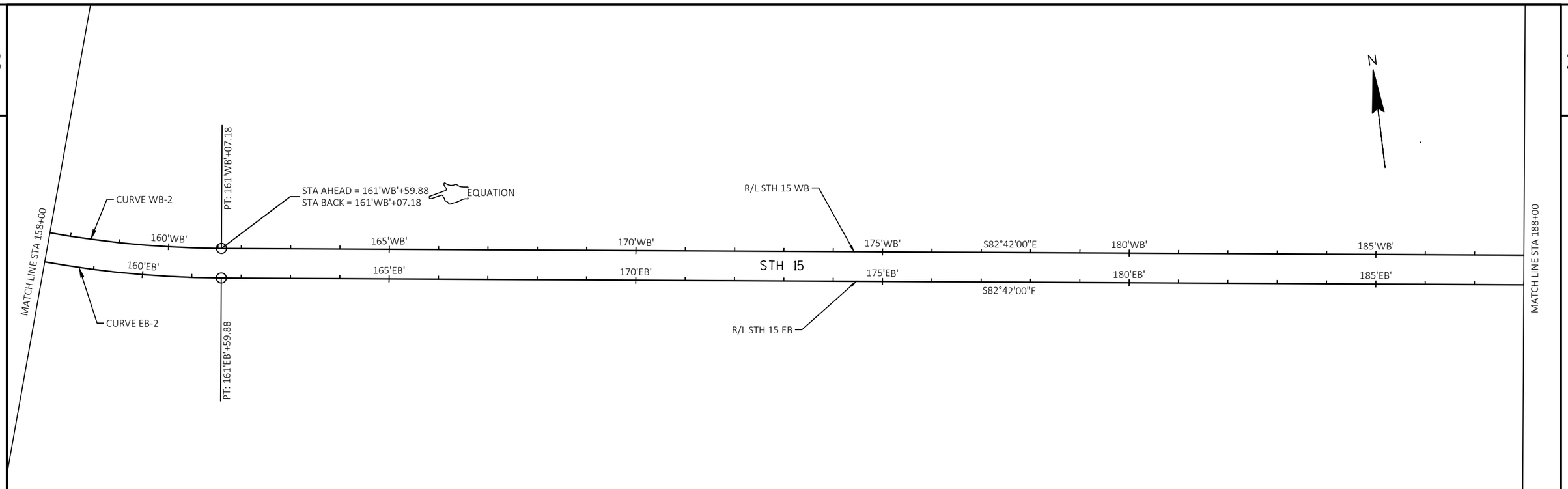
CURVE WB-2
PI STA = 152'WB'+73.69
Y = 597827.530
X = 746683.931
DELTA = 50°19'32"
D = 2°48'31"
T = 958.33'
L = 1791.83'
R = 2040.00'
PC STA = 143'WB'+15.35
Y = 598636.905
X = 746170.792
PT STA = 161'WB'+07.18
Y = 597705.759
X = 747634.496
BK = S32°22'28"E
AH = S82°42'00"E
SE = 5.5%
RO = 220'

SUPERELEVATION TABLE (WB-2)			
STATION	LT SLOPE	RT SLOPE	REMARKS
140'WB'+91.35	-2.0%	-2.0%	NORMAL CROWN
141'WB'+71.35	-2.0%	0.0%	ZERO SUPER
142'WB'51.35	-2.0%	2.0%	REVERSE CROWN
143'WB'+87.35	-5.5%	5.5%	FULL SUPER
160'WB'+35.18	-5.5%	5.5%	FULL SUPER
162'WB'+23.88	-2.0%	2.0%	REVERSE CROWN
163'WB'+03.88	-2.0%	0.0%	ZERO SUPER
163'WB'+83.88	-2.0%	-2.0%	NORMAL CROWN

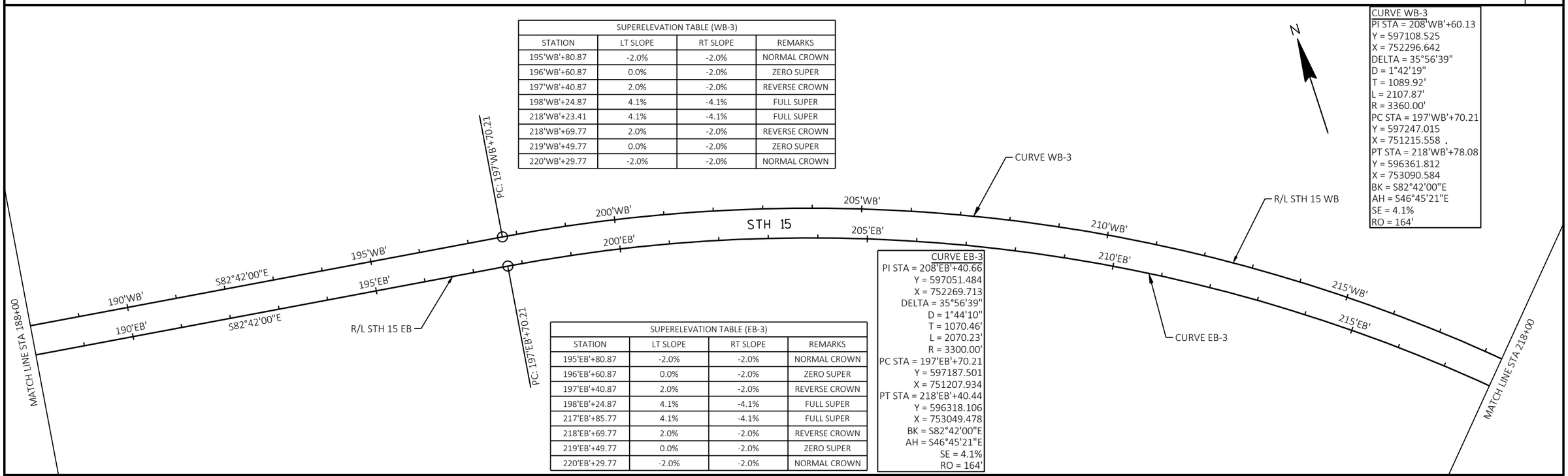
CURVE EB-2
PI STA = 153'EB'+01.87
Y = 597771.597
X = 746648.349
DELTA = 50°19'32"
D = 2°43'42"
T = 986.52'
L = 1844.53'
R = 2100.00'
PC STA = 143'EB'+15.35
Y = 598604.778
X = 746120.118
PT STA = 161'EB'+59.88
Y = 597646.246
X = 747626.872
BK = S32°22'28"E
AH = S82°42'00"E
SE = 5.4%
RO = 216'

SUPERELEVATION TABLE (EB-2)			
STATION	LT SLOPE	RT SLOPE	REMARKS
140'EB'+94.02	-2.0%	-2.0%	NORMAL CROWN
141'EB'+74.02	-2.0%	0.0%	ZERO SUPER
142'EB'+54.02	-2.0%	2.0%	REVERSE CROWN
143'EB'+86.02	-5.4%	5.4%	FULL SUPER
160'EB'+89.22	-5.4%	5.4%	FULL SUPER
162'EB'+21.22	-2.0%	2.0%	REVERSE CROWN
163'EB'+01.22	-2.0%	0.0%	ZERO SUPER
163'EB'+81.22	-2.0%	-2.0%	NORMAL CROWN

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	ALIGNMENT DIAGRAM: STH 15	SHEET 195	E



SUPERELEVATION TABLE (WB-3)			
STATION	LT SLOPE	RT SLOPE	REMARKS
195'WB'+80.87	-2.0%	-2.0%	NORMAL CROWN
196'WB'+60.87	0.0%	-2.0%	ZERO SUPER
197'WB'+40.87	2.0%	-2.0%	REVERSE CROWN
198'WB'+24.87	4.1%	-4.1%	FULL SUPER
218'WB'+23.41	4.1%	-4.1%	FULL SUPER
218'WB'+69.77	2.0%	-2.0%	REVERSE CROWN
219'WB'+49.77	0.0%	-2.0%	ZERO SUPER
220'WB'+29.77	-2.0%	-2.0%	NORMAL CROWN



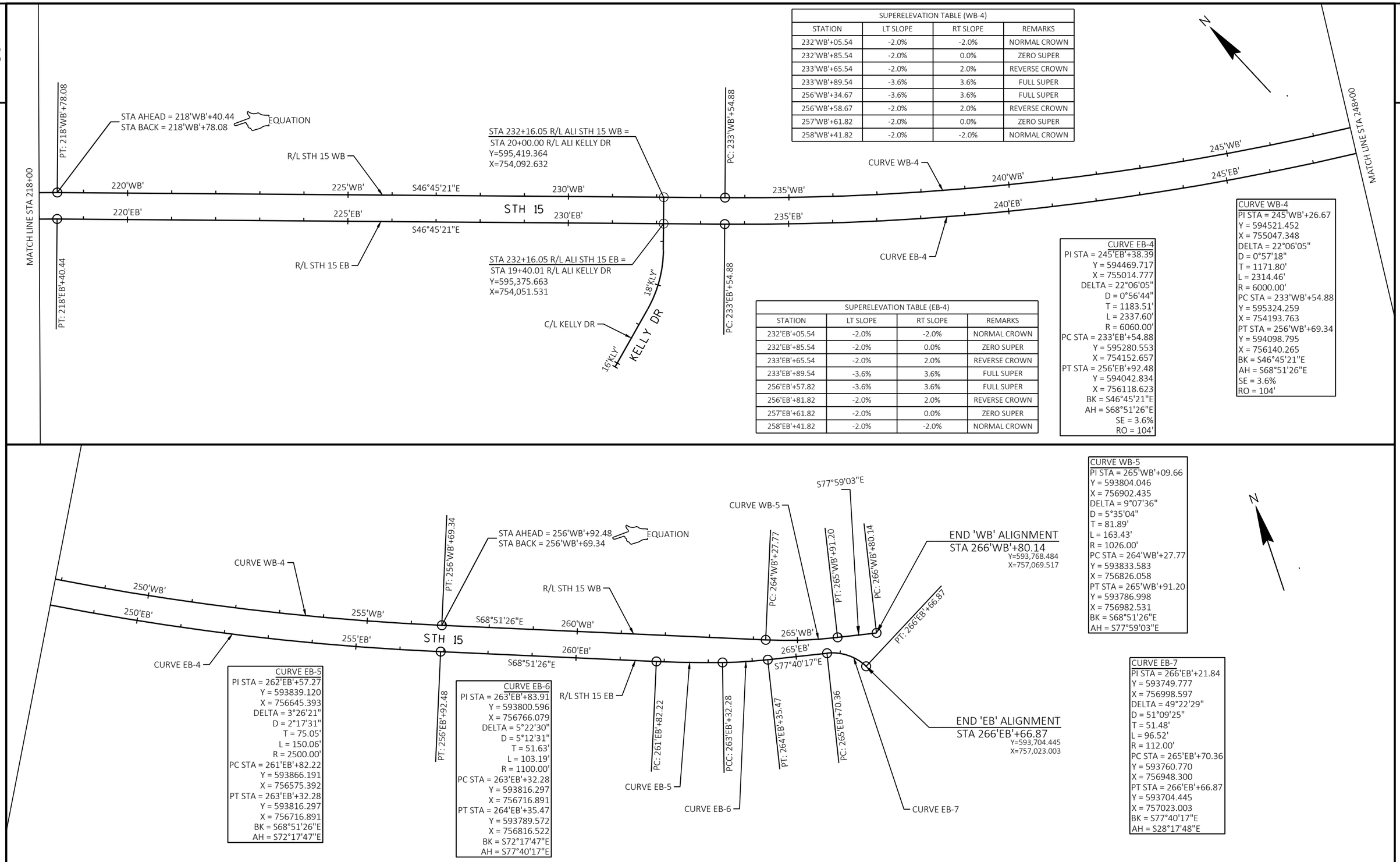
CURVE WB-3	
PI STA	208'WB'+60.13
Y	597108.525
X	752296.642
DELTA	35°56'39"
D	1°42'19"
T	1089.92'
L	2107.87'
R	3360.00'
PC STA	197'WB'+70.21
Y	597247.015
X	751215.558
PT STA	218'WB'+78.08
Y	596361.812
X	753090.584
BK	S82°42'00"E
AH	S46°45'21"E
SE	4.1%
RO	164'

SUPERELEVATION TABLE (EB-3)			
STATION	LT SLOPE	RT SLOPE	REMARKS
195'EB'+80.87	-2.0%	-2.0%	NORMAL CROWN
196'EB'+60.87	0.0%	-2.0%	ZERO SUPER
197'EB'+40.87	2.0%	-2.0%	REVERSE CROWN
198'EB'+24.87	4.1%	-4.1%	FULL SUPER
217'EB'+85.77	4.1%	-4.1%	FULL SUPER
218'EB'+69.77	2.0%	-2.0%	REVERSE CROWN
219'EB'+49.77	0.0%	-2.0%	ZERO SUPER
220'EB'+29.77	-2.0%	-2.0%	NORMAL CROWN

CURVE EB-3	
PI STA	208'EB'+40.66
Y	597051.484
X	752269.713
DELTA	35°56'39"
D	1°44'10"
T	1070.46'
L	2070.23'
R	3300.00'
PC STA	197'EB'+70.21
Y	597187.501
X	751207.934
PT STA	218'EB'+40.44
Y	596318.106
X	753049.478
BK	S82°42'00"E
AH	S46°45'21"E
SE	4.1%
RO	164'

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	ALIGNMENT DIAGRAM: STH 15	SHEET 196	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 027202_AD
PLOT DATE : 4/12/2023 2:35 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44



SUPERELEVATION TABLE (WB-4)			
STATION	LT SLOPE	RT SLOPE	REMARKS
232'WB'+05.54	-2.0%	-2.0%	NORMAL CROWN
232'WB'+85.54	-2.0%	0.0%	ZERO SUPER
233'WB'+65.54	-2.0%	2.0%	REVERSE CROWN
233'WB'+89.54	-3.6%	3.6%	FULL SUPER
256'WB'+34.67	-3.6%	3.6%	FULL SUPER
256'WB'+58.67	-2.0%	2.0%	REVERSE CROWN
257'WB'+61.82	-2.0%	0.0%	ZERO SUPER
258'WB'+41.82	-2.0%	-2.0%	NORMAL CROWN

SUPERELEVATION TABLE (EB-4)			
STATION	LT SLOPE	RT SLOPE	REMARKS
232'EB'+05.54	-2.0%	-2.0%	NORMAL CROWN
232'EB'+85.54	-2.0%	0.0%	ZERO SUPER
233'EB'+65.54	-2.0%	2.0%	REVERSE CROWN
233'EB'+89.54	-3.6%	3.6%	FULL SUPER
256'EB'+57.82	-3.6%	3.6%	FULL SUPER
256'EB'+81.82	-2.0%	2.0%	REVERSE CROWN
257'EB'+61.82	-2.0%	0.0%	ZERO SUPER
258'EB'+41.82	-2.0%	-2.0%	NORMAL CROWN

CURVE EB-4
PI STA = 245'EB'+38.39
Y = 594469.717
X = 755014.777
DELTA = 22°06'05"
D = 0°56'44"
T = 1183.51'
L = 2337.60'
R = 6060.00'
PC STA = 233'EB'+54.88
Y = 595280.553
X = 754152.657
PT STA = 256'EB'+92.48
Y = 594042.834
X = 756118.623
BK = S46°45'21"E
AH = S68°51'26"E
SE = 3.6%
RO = 104'

CURVE WB-4
PI STA = 245'WB'+26.67
Y = 594521.452
X = 755047.348
DELTA = 22°06'05"
D = 0°57'18"
T = 1171.80'
L = 2314.46'
R = 6000.00'
PC STA = 233'WB'+54.88
Y = 595324.259
X = 754193.763
PT STA = 256'WB'+69.34
Y = 594098.795
X = 756140.265
BK = S46°45'21"E
AH = S68°51'26"E
SE = 3.6%
RO = 104'

CURVE EB-5
PI STA = 262'EB'+57.27
Y = 593839.120
X = 756645.393
DELTA = 3°26'21"
D = 2°17'31"
T = 75.05'
L = 150.06'
R = 2500.00'
PC STA = 261'EB'+82.22
Y = 593866.191
X = 756575.392
PT STA = 263'EB'+32.28
Y = 593816.297
X = 756716.891
BK = S68°51'26"E
AH = S72°17'47"E

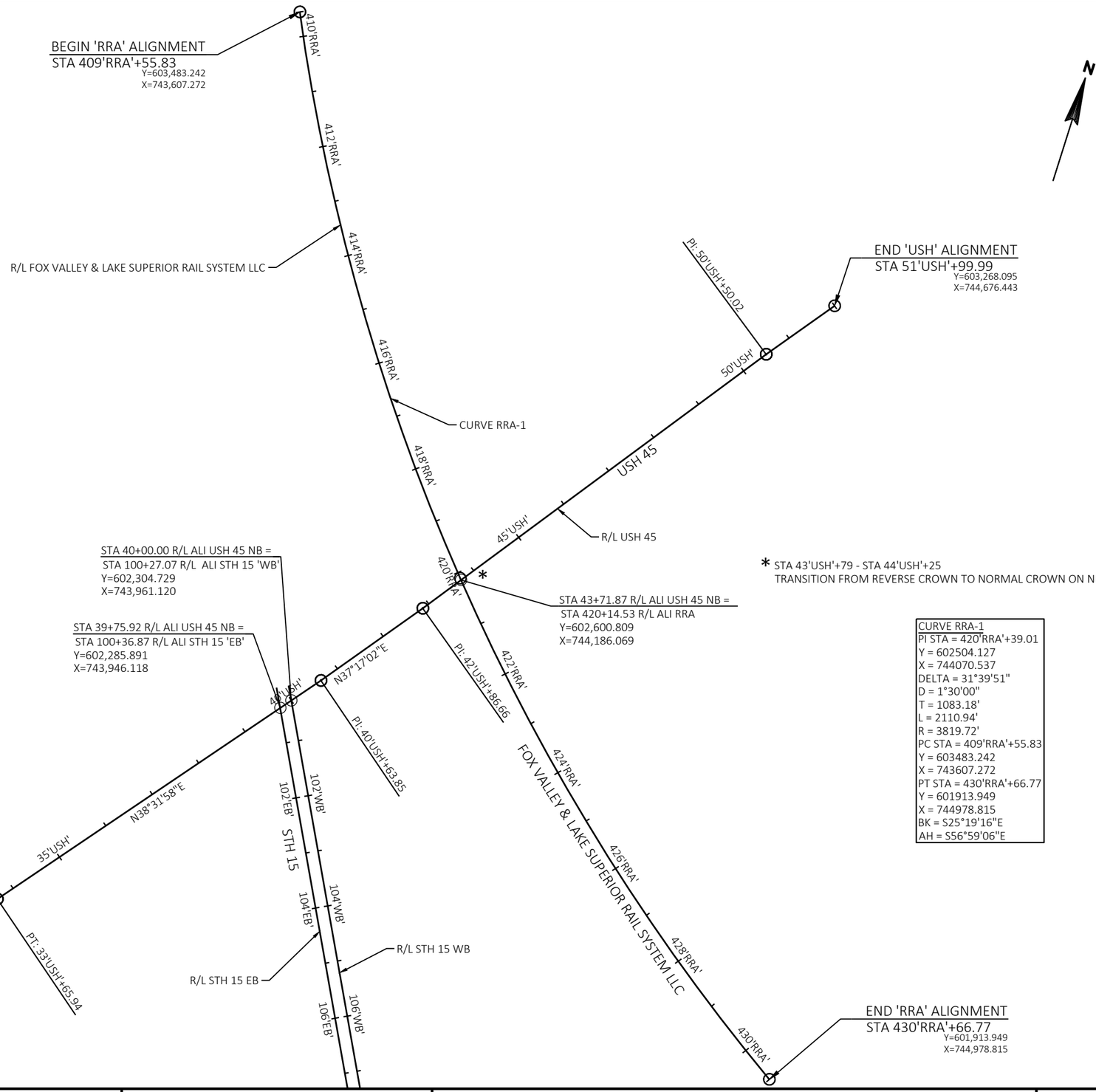
CURVE EB-6
PI STA = 263'EB'+83.91
Y = 593800.596
X = 756766.079
DELTA = 5°22'30"
D = 5°12'31"
T = 51.63'
L = 103.19'
R = 1100.00'
PC STA = 263'EB'+32.28
Y = 593816.297
X = 756716.891
PT STA = 264'EB'+35.47
Y = 593789.572
X = 756816.522
BK = S72°17'47"E
AH = S77°40'17"E

CURVE WB-5
PI STA = 265'WB'+09.66
Y = 593804.046
X = 756902.435
DELTA = 9°07'36"
D = 5°35'04"
T = 81.89'
L = 163.43'
R = 1026.00'
PC STA = 264'WB'+27.77
Y = 593833.583
X = 756826.058
PT STA = 265'WB'+91.20
Y = 593786.998
X = 756982.531
BK = S68°51'26"E
AH = S77°59'03"E

CURVE EB-7
PI STA = 266'EB'+21.84
Y = 593749.777
X = 756998.597
DELTA = 49°22'29"
D = 51°09'25"
T = 51.48'
L = 96.52'
R = 112.00'
PC STA = 265'EB'+70.36
Y = 593760.770
X = 756948.300
PT STA = 266'EB'+66.87
Y = 593704.445
X = 757023.003
BK = S77°40'17"E
AH = S28°17'48"E

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	ALIGNMENT DIAGRAM: STH 15	SHEET 197	E

2



* STA 43'USH'+79 - STA 44'USH'+25
TRANSITION FROM REVERSE CROWN TO NORMAL CROWN ON NB LANES.

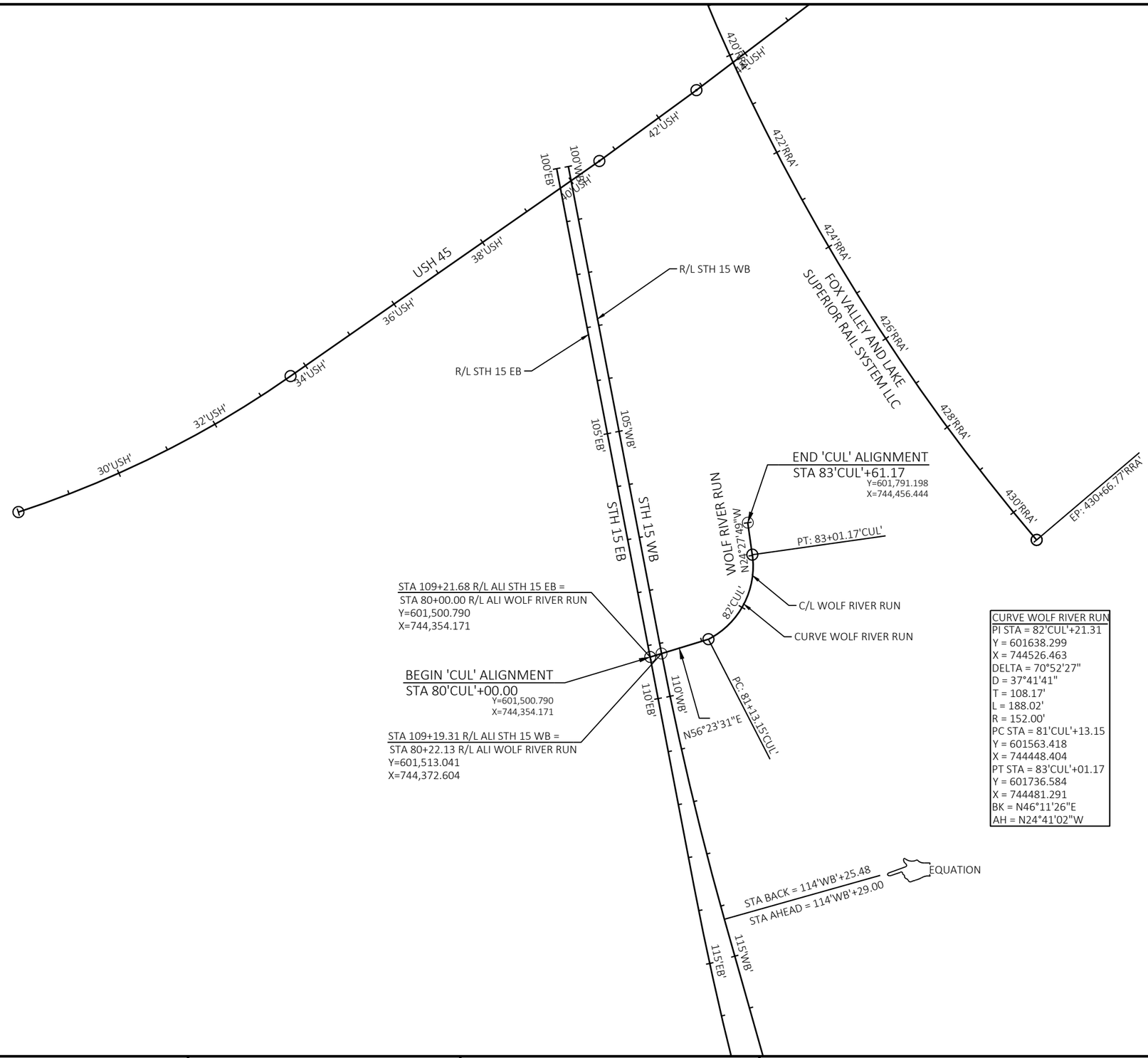
SUPERELEVATION TABLE (USH-1)			
STATION	LT SLOPE	RT SLOPE	REMARKS
28'USH'+35.33	-4.4%	4.4%	FULL SUPER
33'USH'+30.60	-4.4%	4.4%	FULL SUPER
33'USH'+88.42	-2.0%	2.0%	REVERSE CROWN
34'USH'+36.60	-2.0%	0.0%	ZERO SUPER
34'USH'+84.79	-2.0%	-2.0%	NORMAL CROWN

CURVE USH-1
PI STA = 30'USH'+84.98
Y = 601585.805
X = 743388.590
DELTA = 16°40'19"
D = 2°56'45"
T = 284.98'
L = 565.94'
R = 1944.93'
PC STA = 28'USH'+00.00
Y = 601423.181
X = 743154.563
PT STA = 33'USH'+65.94
Y = 601808.733
X = 743566.124
BK = N55°12'17"E
AH = N38°31'58"E
SE = 4.4%
RO = 106'

CURVE RRA-1
PI STA = 420'RRA'+39.01
Y = 602504.127
X = 744070.537
DELTA = 31°39'51"
D = 1°30'00"
T = 1083.18'
L = 2110.94'
R = 3819.72'
PC STA = 409'RRA'+55.83
Y = 603483.242
X = 743607.272
PT STA = 430'RRA'+66.77
Y = 601913.949
X = 744978.815
BK = S25°19'16"E
AH = S56°59'06"E

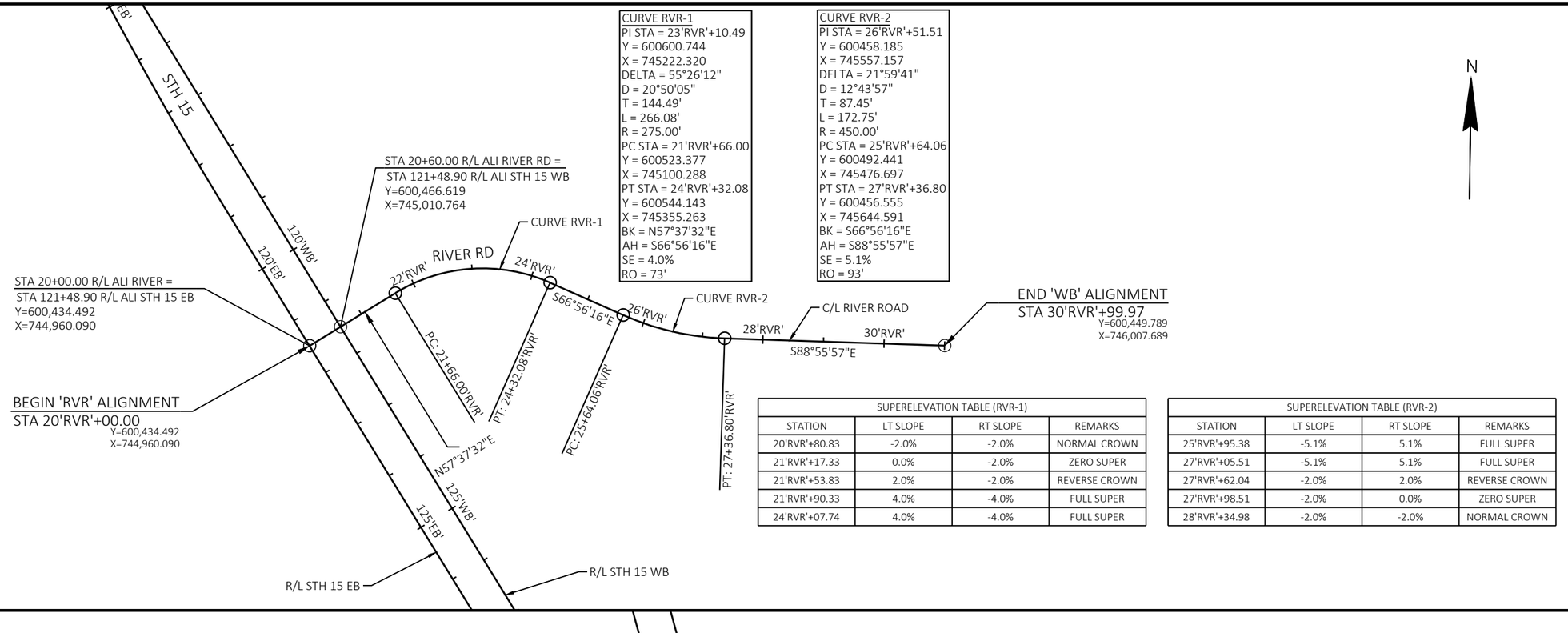
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	ALIGNMENT DIAGRAM: USH 45 & WCL RR	SHEET 198	E

2



CURVE WOLF RIVER RUN
PI STA = 82'CUL'+21.31
Y = 601638.299
X = 744526.463
DELTA = 70°52'27"
D = 37°41'41"
T = 108.17'
L = 188.02'
R = 152.00'
PC STA = 81'CUL'+13.15
Y = 601563.418
X = 744448.404
PT STA = 83'CUL'+01.17
Y = 601736.584
X = 744481.291
BK = N46°11'26"E
AH = N24°41'02"W

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	ALIGNMENT DIAGRAM: WOLF RIVER RUN	SHEET 199	E

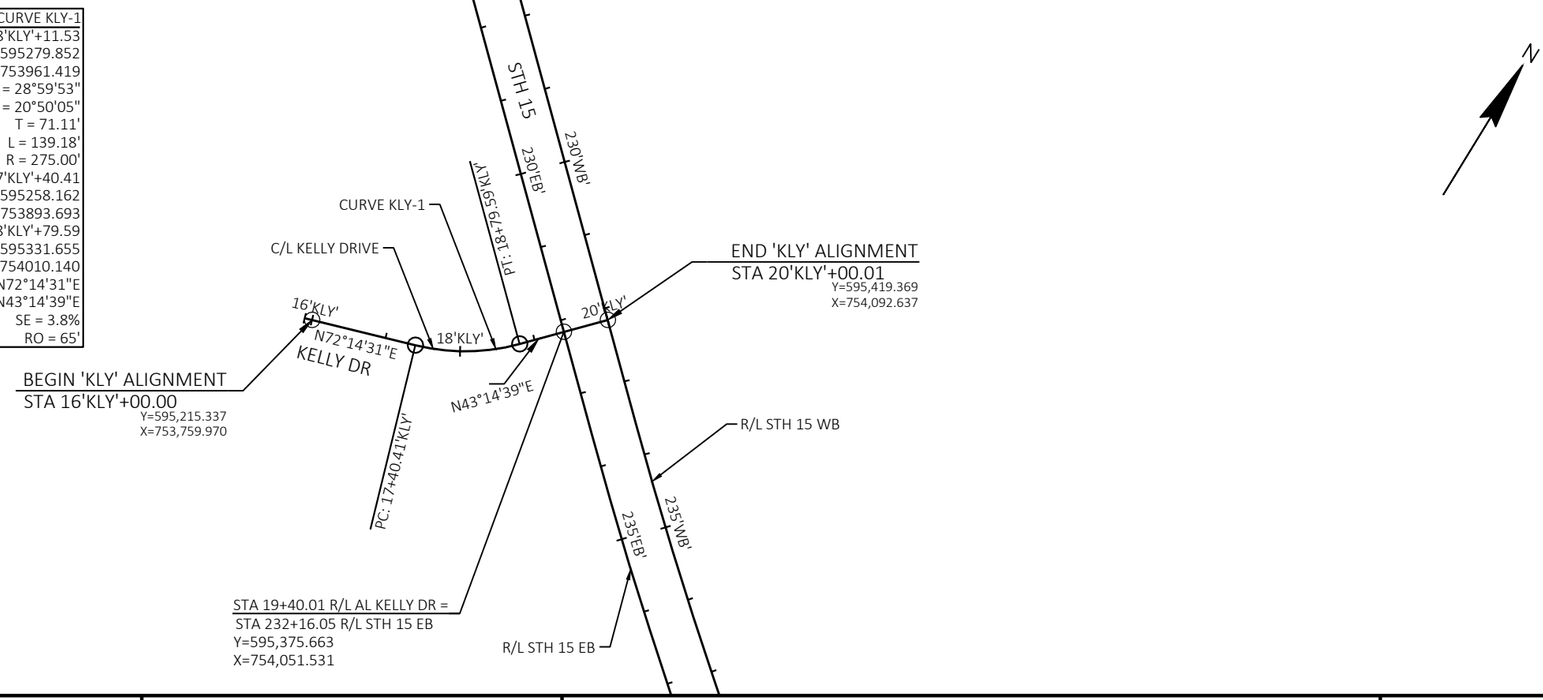


CURVE RVR-1
PI STA = 23'RVR'+10.49
Y = 600600.744
X = 745222.320
DELTA = 55°26'12"
D = 20°50'05"
T = 144.49'
L = 266.08'
R = 275.00'
PC STA = 21'RVR'+66.00
Y = 600523.377
X = 745100.288
PT STA = 24'RVR'+32.08
Y = 600544.143
X = 745355.263
BK = N57°37'32"E
AH = S66°56'16"E
SE = 4.0%
RO = 73'

CURVE RVR-2
PI STA = 26'RVR'+51.51
Y = 600458.185
X = 745557.157
DELTA = 21°59'41"
D = 12°43'57"
T = 87.45'
L = 172.75'
R = 450.00'
PC STA = 25'RVR'+64.06
Y = 600492.441
X = 745476.697
PT STA = 27'RVR'+36.80
Y = 600456.555
X = 745644.591
BK = S66°56'16"E
AH = S88°55'57"E
SE = 5.1%
RO = 93'

SUPERELEVATION TABLE (RVR-1)			
STATION	LT SLOPE	RT SLOPE	REMARKS
20'RVR'+80.83	-2.0%	-2.0%	NORMAL CROWN
21'RVR'+17.33	0.0%	-2.0%	ZERO SUPER
21'RVR'+53.83	2.0%	-2.0%	REVERSE CROWN
21'RVR'+90.33	4.0%	-4.0%	FULL SUPER
24'RVR'+07.74	4.0%	-4.0%	FULL SUPER

SUPERELEVATION TABLE (RVR-2)			
STATION	LT SLOPE	RT SLOPE	REMARKS
25'RVR'+95.38	-5.1%	5.1%	FULL SUPER
27'RVR'+05.51	-5.1%	5.1%	FULL SUPER
27'RVR'+62.04	-2.0%	2.0%	REVERSE CROWN
27'RVR'+98.51	-2.0%	0.0%	ZERO SUPER
28'RVR'+34.98	-2.0%	-2.0%	NORMAL CROWN

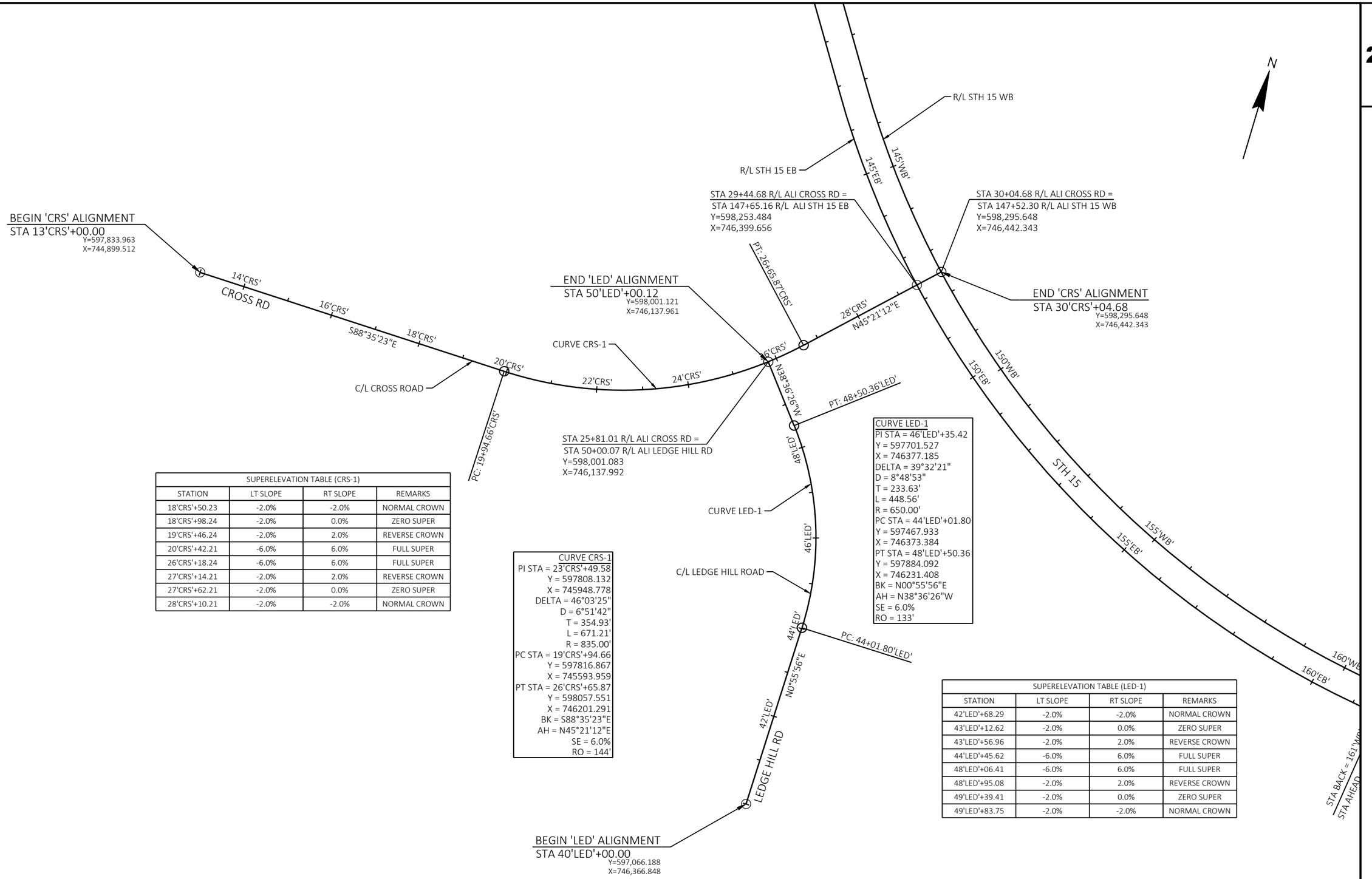


CURVE KLY-1
PI STA = 18'KLY'+11.53
Y = 595279.852
X = 753961.419
DELTA = 28°59'53"
D = 20°50'05"
T = 71.11'
L = 139.18'
R = 275.00'
PC STA = 17'KLY'+40.41
Y = 595258.162
X = 753893.693
PT STA = 18'KLY'+79.59
Y = 595331.655
X = 754010.140
BK = N72°14'31"E
AH = N43°14'39"E
SE = 3.8%
RO = 65'

SUPERELEVATION TABLE (KLY-1)			
STATION	LT SLOPE	RT SLOPE	REMARKS
16'KLY'+65.62	-2.0%	-2.0%	NORMAL CROWN
16'KLY'+99.95	-2.0%	0.0%	ZERO SUPER
17'KLY'+34.29	-2.0%	2.0%	REVERSE CROWN
17'KLY'+60.56	-3.53%	3.53%	FULL SUPER
18'KLY'+59.44	-3.53%	3.53%	FULL SUPER
18'KLY'+85.71	-2.0%	2.0%	REVERSE CROWN
19'KLY'+20.05	-2.0%	0.0%	ZERO SUPER
19'KLY'+54.38	-2.0%	-2.0%	NORMAL CROWN

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	ALIGNMENT DIAGRAM: RIVER RD & KELLY DR	SHEET 200	E

2



SUPERELEVATION TABLE (CRS-1)			
STATION	LT SLOPE	RT SLOPE	REMARKS
18'CRS'+50.23	-2.0%	-2.0%	NORMAL CROWN
18'CRS'+98.24	-2.0%	0.0%	ZERO SUPER
19'CRS'+46.24	-2.0%	2.0%	REVERSE CROWN
20'CRS'+42.21	-6.0%	6.0%	FULL SUPER
26'CRS'+18.24	-6.0%	6.0%	FULL SUPER
27'CRS'+14.21	-2.0%	2.0%	REVERSE CROWN
27'CRS'+62.21	-2.0%	0.0%	ZERO SUPER
28'CRS'+10.21	-2.0%	-2.0%	NORMAL CROWN

CURVE CRS-1
PI STA = 23'CRS'+49.58
Y = 597808.132
X = 745948.778
DELTA = 46°03'25"
D = 6°51'42"
T = 354.93'
L = 671.21'
R = 835.00'
PC STA = 19'CRS'+94.66
Y = 597816.867
X = 745593.959
PT STA = 26'CRS'+65.87
Y = 598057.551
X = 746201.291
BK = S88°35'23"E
AH = N45°21'12"E
SE = 6.0%
RO = 144'

CURVE LED-1
PI STA = 46'LED'+35.42
Y = 597701.527
X = 746377.185
DELTA = 39°32'21"
D = 8°48'53"
T = 233.63'
L = 448.56'
R = 650.00'
PC STA = 44'LED'+01.80
Y = 597467.933
X = 746373.384
PT STA = 48'LED'+50.36
Y = 597884.092
X = 746231.408
BK = N00°55'56"E
AH = N38°36'26"W
SE = 6.0%
RO = 133'

SUPERELEVATION TABLE (LED-1)			
STATION	LT SLOPE	RT SLOPE	REMARKS
42'LED'+68.29	-2.0%	-2.0%	NORMAL CROWN
43'LED'+12.62	-2.0%	0.0%	ZERO SUPER
43'LED'+56.96	-2.0%	2.0%	REVERSE CROWN
44'LED'+45.62	-6.0%	6.0%	FULL SUPER
48'LED'+06.41	-6.0%	6.0%	FULL SUPER
48'LED'+95.08	-2.0%	2.0%	REVERSE CROWN
49'LED'+39.41	-2.0%	0.0%	ZERO SUPER
49'LED'+83.75	-2.0%	-2.0%	NORMAL CROWN

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	ALIGNMENT DIAGRAM: CROSS RD & LEDGE HILL RD	SHEET 201	E

2

2

N

STH 15

265'WB'

265'EB'

SALT SHED SITE LOCATION

Station=99'GIV'+50.00
Y=592914.302
X=758276.978

Station=105'GIV'+00.00
Y=592904.323
X=758826.887

100'GIV'

102'GIV'

104'GIV'

GIVENS RD

GIVENS RD

GIVENS

GIVENS RD

CTH T

STH 15

STH 15

STH 15

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	ALIGNMENT DIAGRAM: GIVENS RD	SHEET 202	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\027205_AD.DWG
LAYOUT NAME - 027208_AD

PLOT DATE : 6/21/2023 10:19 AM PLOT BY : CAMPSHURE, MICHAEL RPLOT NAME : PLOT SCALE : 1" = 200'_XREF

WISDOT/CADDS SHEET 42

1146-75-73

Line	Item	Item Description	Unit	Total	Qty
0002	108.4300	RBC Progress Schedule	EACH	1.000	1.000
0004	201.0105	Clearing	STA	191.000	191.000
0006	201.0205	Grubbing	STA	196.000	196.000
0008	203.0100	Removing Small Pipe Culverts	EACH	45.000	45.000
0010	203.0220	Removing Structure (structure) 01. 96' CMP	EACH	1.000	1.000
0012	203.0220	Removing Structure (structure) 02. C-44-24	EACH	1.000	1.000
0014	203.0220	Removing Structure (structure) 03. C-44-23	EACH	1.000	1.000
0016	204.0100	Removing Concrete Pavement	SY	14,800.000	14,800.000
0018	204.0110	Removing Asphaltic Surface	SY	1,040.000	1,040.000
0020	204.0115	Removing Asphaltic Surface Butt Joints	SY	40.000	40.000
0022	204.0150	Removing Curb & Gutter	LF	3,320.000	3,320.000
0024	204.0165	Removing Guardrail	LF	2,480.000	2,480.000
0026	204.0170	Removing Fence	LF	4,430.000	4,430.000
0028	204.0180	Removing Delineators and Markers	EACH	12.000	12.000
0030	204.0195	Removing Concrete Bases	EACH	12.000	12.000
0032	204.0210	Removing Manholes	EACH	1.000	1.000
0034	204.0220	Removing Inlets	EACH	11.000	11.000
0036	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	280.000	280.000
0038	204.0245	Removing Storm Sewer (size) 02. 18-Inch	LF	240.000	240.000
0040	204.0245	Removing Storm Sewer (size) 03. 24-Inch	LF	120.000	120.000
0042	204.0280	Sealing Pipes	EACH	2.000	2.000
0044	205.0100	Excavation Common	CY	262,400.000	262,400.000
0046	205.0200	Excavation Rock	CY	52,100.000	52,100.000
0048	205.0400	Excavation Marsh	CY	5,060.000	5,060.000
0050	206.2001	Excavation for Structures Culverts (structure) 01. C-44-121	EACH	1.000	1.000
0052	206.2001	Excavation for Structures Culverts (structure) 02. C-44-122	EACH	1.000	1.000
0054	206.2001	Excavation for Structures Culverts (structure) 03. C-44-123	EACH	1.000	1.000
0056	208.1100	Select Borrow	CY	31,900.000	31,900.000
0058	210.2500	Backfill Structure Type B	TON	6,473.000	6,473.000
0060	213.0100	Finishing Roadway (project) 01. 1146-75-73	EACH	1.000	1.000
0062	214.0100	Obliterating Old Road	STA	2.000	2.000
0064	305.0110	Base Aggregate Dense 3/4-Inch	TON	10,400.000	10,400.000
0066	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	114,800.000	114,800.000
0068	310.0110	Base Aggregate Open-Graded	TON	18.000	18.000
0070	311.0110	Breaker Run	TON	2,180.000	2,180.000
0072	311.0115	Breaker Run	CY	456.000	456.000
0074	312.0110	Select Crushed Material	TON	97,100.000	97,100.000
0076	415.0090	Concrete Pavement 9-Inch	SY	89,700.000	89,700.000
0078	415.0210	Concrete Pavement Gaps	EACH	7.000	7.000
0080	416.0620	Drilled Dowel Bars	EACH	48.000	48.000
0082	416.1110	Concrete Shoulder Rumble Strips	LF	24,700.000	24,700.000
0084	450.4000	HMA Cold Weather Paving	TON	3,360.000	3,360.000
0086	455.0605	Tack Coat	GAL	3,760.000	3,760.000
0088	460.2000	Incentive Density HMA Pavement	DOL	9,610.000	9,610.000
0090	460.5223	HMA Pavement 3 LT 58-28 S	TON	1,620.000	1,620.000
0092	460.5224	HMA Pavement 4 LT 58-28 S	TON	11,050.000	11,050.000
0094	460.6223	HMA Pavement 3 MT 58-28 S	TON	1,580.000	1,580.000
0096	460.6224	HMA Pavement 4 MT 58-28 S	TON	760.000	760.000
0098	465.0105	Asphaltic Surface	TON	4.000	4.000

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Line	Item	Item Description	Unit	Total	Qty
0100	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	971.000	971.000
0102	465.0315	Asphaltic Flumes	SY	250.000	250.000
0104	465.0400	Asphaltic Shoulder Rumble Strips	LF	18,300.000	18,300.000
0106	504.0100	Concrete Masonry Culverts	CY	439.000	439.000
0108	505.0400	Bar Steel Reinforcement HS Structures	LB	65,060.000	65,060.000
0110	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	24,765.000	24,765.000
0112	516.0500	Rubberized Membrane Waterproofing	SY	150.000	150.000
0114	520.1012	Apron Endwalls for Culvert Pipe 12-Inch	EACH	1.000	1.000
0116	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	28.000	28.000
0118	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	4.000	4.000
0120	520.1030	Apron Endwalls for Culvert Pipe 30-Inch	EACH	4.000	4.000
0122	520.1036	Apron Endwalls for Culvert Pipe 36-Inch	EACH	4.000	4.000
0124	520.3318	Culvert Pipe Class III-A 18-Inch	LF	496.000	496.000
0126	520.3324	Culvert Pipe Class III-A 24-Inch	LF	78.000	78.000
0128	520.3330	Culvert Pipe Class III-A 30-Inch	LF	68.000	68.000
0130	520.3336	Culvert Pipe Class III-A 36-Inch	LF	112.000	112.000
0132	520.3430	Culvert Pipe Class III-A Non-metal 30-Inch	LF	212.000	212.000
0134	520.3436	Culvert Pipe Class III-A Non-metal 36-Inch	LF	216.000	216.000
0136	520.8000	Concrete Collars for Pipe	EACH	8.000	8.000
0138	521.1015	Apron Endwalls for Culvert Pipe Steel 15-Inch	EACH	6.000	6.000
0140	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	30.000	30.000
0142	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	4.000	4.000
0144	521.1257	Apron Endwalls for Pipe Arch Steel 57x38-Inch	EACH	2.000	2.000
0146	521.1518	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 6 to 1	EACH	2.000	2.000
0148	521.1524	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 24-Inch 6 to 1	EACH	2.000	2.000
0150	521.3115	Culvert Pipe Corrugated Steel 15-Inch	LF	92.000	92.000
0152	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	868.000	868.000
0154	521.3124	Culvert Pipe Corrugated Steel 24-Inch	LF	142.000	142.000
0156	521.3757	Pipe Arch Corrugated Steel 57x38-Inch	LF	34.000	34.000
0158	522.0142	Culvert Pipe Reinforced Concrete Class III 42-Inch	LF	184.000	184.000
0160	522.0418	Culvert Pipe Reinforced Concrete Class IV 18-Inch	LF	488.000	488.000
0162	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	80.000	80.000
0164	522.0436	Culvert Pipe Reinforced Concrete Class IV 36-Inch	LF	64.000	64.000
0166	522.0518	Culvert Pipe Reinforced Concrete Class V 18-Inch	LF	164.000	164.000
0168	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	13.000	13.000
0170	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000
0172	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	2.000	2.000
0174	522.2329	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 29x45-Inch	LF	12.000	12.000
0176	522.2348	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 48x76-Inch	LF	178.000	178.000
0178	522.2434	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 34x53-Inch	LF	128.000	128.000
0180	522.2629	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 29x45-Inch	EACH	3.000	3.000
0182	522.2634	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 34x53-Inch	EACH	4.000	4.000
0184	522.2648	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 48x76-Inch	EACH	2.000	2.000
0186	524.0636	Apron Endwalls for Culvert Pipe Salvaged 36-Inch	EACH	3.000	3.000
0188	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	251.000	251.000
0190	601.0415	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	LF	1,460.000	1,460.000
0192	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF	565.000	565.000
0194	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	1,910.000	1,910.000
0196	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	1,990.000	1,990.000

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Line	Item	Item Description	Unit	Total	Qty
0198	602.0405	Concrete Sidewalk 4-Inch	SF	9,510.000	9,510.000
0200	606.0100	Riprap Light	CY	856.000	856.000
0202	606.0200	Riprap Medium	CY	2,130.000	2,130.000
0204	606.0300	Riprap Heavy	CY	180.000	180.000
0206	606.0400	Riprap Extra-Heavy	CY	752.000	752.000
0208	608.0005	Storm Sewer Rock Excavation	CY	112.000	112.000
0210	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	253.000	253.000
0212	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	254.000	254.000
0214	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	238.000	238.000
0216	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	172.000	172.000
0218	608.2429	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	136.000	136.000
0220	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	91.000	91.000
0222	608.3018	Storm Sewer Pipe Class III-A 18-Inch	LF	1,399.000	1,399.000
0224	611.0535	Manhole Covers Type J-Special	EACH	3.000	3.000
0226	611.0606	Inlet Covers Type B	EACH	1.000	1.000
0228	611.0627	Inlet Covers Type HM	EACH	9.000	9.000
0230	611.0630	Inlet Covers Type HM-GJ	EACH	4.000	4.000
0232	611.0636	Inlet Covers Type HM-S	EACH	5.000	5.000
0234	611.0642	Inlet Covers Type MS	EACH	21.000	21.000
0236	611.0654	Inlet Covers Type V	EACH	3.000	3.000
0238	611.1005	Catch Basins 5-FT Diameter	EACH	3.000	3.000
0240	611.2005	Manholes 5-FT Diameter	EACH	1.000	1.000
0242	611.2006	Manholes 6-FT Diameter	EACH	2.000	2.000
0244	611.3003	Inlets 3-FT Diameter	EACH	1.000	1.000
0246	611.3004	Inlets 4-FT Diameter	EACH	8.000	8.000
0248	611.3230	Inlets 2x3-FT	EACH	11.000	11.000
0250	611.3901	Inlets Median 1 Grate	EACH	16.000	16.000
0252	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000
0254	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000
0256	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	60.000	60.000
0258	616.0700.S	Fence Safety	LF	720.000	720.000
0260	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1146-75-73	EACH	1.000	1.000
0262	619.1000	Mobilization	EACH	1.000	1.000
0264	620.0300	Concrete Median Sloped Nose	SF	850.000	850.000
0266	624.0100	Water	MGAL	1,750.000	1,750.000
0268	625.0500	Salvaged Topsoil	SY	336,800.000	336,800.000
0270	627.0200	Mulching	SY	286,600.000	286,600.000
0272	628.1504	Silt Fence	LF	11,300.000	11,300.000
0274	628.1520	Silt Fence Maintenance	LF	2,780.000	2,780.000
0276	628.1905	Mobilizations Erosion Control	EACH	15.000	15.000
0278	628.1910	Mobilizations Emergency Erosion Control	EACH	10.000	10.000
0280	628.2002	Erosion Mat Class I Type A	SY	31,200.000	31,200.000
0282	628.2004	Erosion Mat Class I Type B	SY	15,200.000	15,200.000
0284	628.2008	Erosion Mat Urban Class I Type B	SY	3,120.000	3,120.000
0286	628.5505	Polyethylene Sheeting	SY	2,880.000	2,880.000
0288	628.6005	Turbidity Barriers	SY	100.000	100.000
0290	628.7005	Inlet Protection Type A	EACH	41.000	41.000
0292	628.7010	Inlet Protection Type B	EACH	3.000	3.000
0294	628.7015	Inlet Protection Type C	EACH	35.000	35.000

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Line	Item	Item Description	Unit	Total	Qty
0296	628.7504	Temporary Ditch Checks	LF	1,510.000	1,510.000
0298	628.7515.S	Stone Ditch Checks	CY	518.000	518.000
0300	628.7555	Culvert Pipe Checks	EACH	240.000	240.000
0302	628.7560	Tracking Pads	EACH	8.000	8.000
0304	628.7570	Rock Bags	EACH	220.000	220.000
0306	629.0210	Fertilizer Type B	CWT	210.000	210.000
0308	630.0120	Seeding Mixture No. 20	LB	7,220.000	7,220.000
0310	630.0130	Seeding Mixture No. 30	LB	16.000	16.000
0312	630.0140	Seeding Mixture No. 40	LB	750.000	750.000
0314	630.0171	Seeding Mixture No. 70A	LB	51.000	51.000
0316	630.0300	Seeding Borrow Pit	LB	250.000	250.000
0318	630.0500	Seed Water	MGAL	7,500.000	7,500.000
0320	633.5200	Markers Culvert End	EACH	54.000	54.000
0322	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	65.000	65.000
0324	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	37.000	37.000
0326	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	20.000	20.000
0328	637.2210	Signs Type II Reflective H	SF	1,197.700	1,197.700
0330	637.2215	Signs Type II Reflective H Folding	SF	29.840	29.840
0332	637.2230	Signs Type II Reflective F	SF	119.420	119.420
0334	638.2602	Removing Signs Type II	EACH	66.000	66.000
0336	638.3000	Removing Small Sign Supports	EACH	68.000	68.000
0338	642.5401	Field Office Type D 01. Field Office # 1	EACH	1.000	1.000
0340	642.5401	Field Office Type D 02. Field Office # 2	EACH	1.000	1.000
0342	643.0300	Traffic Control Drums	DAY	11,605.000	11,605.000
0344	643.0420	Traffic Control Barricades Type III	DAY	7,491.000	7,491.000
0346	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	10.000	10.000
0348	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	10.000	10.000
0350	643.0705	Traffic Control Warning Lights Type A	DAY	13,849.000	13,849.000
0352	643.0715	Traffic Control Warning Lights Type C	DAY	3,869.000	3,869.000
0354	643.0800	Traffic Control Arrow Boards	DAY	432.000	432.000
0356	643.0900	Traffic Control Signs	DAY	44,391.000	44,391.000
0358	643.0910	Traffic Control Covering Signs Type I	EACH	2.000	2.000
0360	643.0920	Traffic Control Covering Signs Type II	EACH	22.000	22.000
0362	643.1050	Traffic Control Signs PCMS	DAY	84.000	84.000
0364	643.1070	Traffic Control Cones 42-Inch	DAY	1,088.000	1,088.000
0366	643.3105	Temporary Marking Line Paint 4-Inch	LF	1,480.000	1,480.000
0368	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	2,080.000	2,080.000
0370	643.5000	Traffic Control	EACH	1.000	1.000
0372	645.0105	Geotextile Type C	SY	1,235.000	1,235.000
0374	645.0111	Geotextile Type DF Schedule A	SY	70.000	70.000
0376	645.0120	Geotextile Type HR	SY	5,314.000	5,314.000
0378	645.0130	Geotextile Type R	SY	5,450.000	5,450.000
0380	645.0140	Geotextile Type SAS	SY	1,320.000	1,320.000
0382	646.1020	Marking Line Epoxy 4-Inch	LF	5,590.000	5,590.000
0384	646.3020	Marking Line Epoxy 8-Inch	LF	1,480.000	1,480.000
0386	646.5020	Marking Arrow Epoxy	EACH	18.000	18.000
0388	646.5120	Marking Word Epoxy	EACH	6.000	6.000
0390	646.5220	Marking Symbol Epoxy	EACH	1.000	1.000
0392	646.5320	Marking Railroad Crossings Epoxy	EACH	8.000	8.000

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Line	Item	Item Description	Unit	Total	Qty
0394	646.6120	Marking Stop Line Epoxy 18-Inch	LF	146.000	146.000
0396	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	59,300.000	59,300.000
0398	646.7120	Marking Diagonal Epoxy 12-Inch	LF	960.000	960.000
0400	646.8120	Marking Curb Epoxy	LF	670.000	670.000
0402	646.8220	Marking Island Nose Epoxy	EACH	13.000	13.000
0404	646.8320	Marking Parking Stall Epoxy	LF	690.000	690.000
0406	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	150.000	150.000
0408	646.9110	Marking Removal Line Water Blasting 8-Inch	LF	166.000	166.000
0410	646.9210	Marking Removal Line Water Blasting Wide	LF	24.000	24.000
0412	646.9310	Marking Removal Special Marking Water Blasting	EACH	8.000	8.000
0414	650.4000	Construction Staking Storm Sewer	EACH	69.000	69.000
0416	650.4500	Construction Staking Subgrade	LF	36,000.000	36,000.000
0418	650.5000	Construction Staking Base	LF	4,450.000	4,450.000
0420	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	4,270.000	4,270.000
0422	650.6000	Construction Staking Pipe Culverts	EACH	15.000	15.000
0424	650.6501	Construction Staking Structure Layout (structure) 01. C-44-121	EACH	1.000	1.000
0426	650.6501	Construction Staking Structure Layout (structure) 02. C-44-122	EACH	1.000	1.000
0428	650.6501	Construction Staking Structure Layout (structure) 03. C-44-123	EACH	1.000	1.000
0430	650.7000	Construction Staking Concrete Pavement	LF	30,800.000	30,800.000
0432	650.8501	Construction Staking Electrical Installations (project) 01. 1146-75-73	EACH	1.000	1.000
0434	650.9500	Construction Staking Sidewalk (project) 01. 1146-75-73	EACH	1.000	1.000
0436	650.9911	Construction Staking Supplemental Control (project) 01. 1146-75-73	EACH	1.000	1.000
0438	650.9920	Construction Staking Slope Stakes	LF	37,400.000	37,400.000
0440	652.0135	Conduit Rigid Metallic 3-Inch	LF	140.000	140.000
0442	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,125.000	1,125.000
0444	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	940.000	940.000
0446	652.0615	Conduit Special 3-Inch	LF	440.000	440.000
0448	652.0800	Conduit Loop Detector	LF	1,100.000	1,100.000
0450	653.0105	Pull Boxes Steel 12x24-Inch	EACH	11.000	11.000
0452	653.0140	Pull Boxes Steel 24x42-Inch	EACH	13.000	13.000
0454	653.0905	Removing Pull Boxes	EACH	7.000	7.000
0456	654.0101	Concrete Bases Type 1	EACH	4.000	4.000
0458	654.0102	Concrete Bases Type 2	EACH	1.000	1.000
0460	654.0105	Concrete Bases Type 5	EACH	2.000	2.000
0462	654.0110	Concrete Bases Type 10	EACH	2.000	2.000
0464	654.0113	Concrete Bases Type 13	EACH	2.000	2.000
0466	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000
0468	654.0224	Concrete Control Cabinet Bases Type L24	EACH	1.000	1.000
0470	655.0230	Cable Traffic Signal 5-14 AWG	LF	1,900.000	1,900.000
0472	655.0240	Cable Traffic Signal 7-14 AWG	LF	410.000	410.000
0474	655.0260	Cable Traffic Signal 12-14 AWG	LF	2,740.000	2,740.000
0476	655.0305	Cable Type UF 2-12 AWG Grounded	LF	1,670.000	1,670.000
0478	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	2,600.000	2,600.000
0480	655.0610	Electrical Wire Lighting 12 AWG	LF	1,050.000	1,050.000
0482	655.0615	Electrical Wire Lighting 10 AWG	LF	570.000	570.000
0484	655.0700	Loop Detector Lead In Cable	LF	6,155.000	6,155.000
0486	655.0800	Loop Detector Wire	LF	2,570.000	2,570.000
0488	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. USH 45 & STH 15/BUS 45	EACH	1.000	1.000
0490	656.0201	Electrical Service Meter Breaker Pedestal (location) 02. Park and Ride	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0492	657.0100	Pedestal Bases	EACH	8.000	8.000
0494	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	3.000	3.000
0496	657.0315	Poles Type 4	EACH	1.000	1.000
0498	657.0322	Poles Type 5-Aluminum	EACH	2.000	2.000
0500	657.0351	Poles Type 10-Over Height	EACH	2.000	2.000
0502	657.0361	Poles Type 13-Over Height	EACH	2.000	2.000
0504	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	5.000	5.000
0506	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	3.000	3.000
0508	657.0520	Monotube Arms 20-FT	EACH	1.000	1.000
0510	657.0530	Monotube Arms 30-FT	EACH	1.000	1.000
0512	657.0555	Monotube Arms 55-FT	EACH	2.000	2.000
0514	657.0709	Luminaire Arms Truss Type 4-Inch Clamp 12-FT	EACH	1.000	1.000
0516	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	2.000	2.000
0518	657.0812	Luminaire Arms Steel 12-FT	EACH	4.000	4.000
0520	658.0173	Traffic Signal Face 3S 12-Inch	EACH	21.000	21.000
0522	658.0174	Traffic Signal Face 4S 12-Inch	EACH	6.000	6.000
0524	658.5070	Signal Mounting Hardware (location) 01. USH 45 & STH 15/BUS 45	EACH	1.000	1.000
0526	659.1115	Luminaires Utility LED A	EACH	2.000	2.000
0528	659.1120	Luminaires Utility LED B	EACH	5.000	5.000
0530	659.2124	Lighting Control Cabinets 120/240 24-Inch	EACH	1.000	1.000
0532	690.0150	Sawing Asphalt	LF	1,940.000	1,940.000
0534	690.0250	Sawing Concrete	LF	21.000	21.000
0536	715.0502	Incentive Strength Concrete Structures	DOL	2,634.000	2,634.000
0538	715.0715	Incentive Flexural Strength Concrete Pavement	DOL	26,910.000	26,910.000
0540	740.0440	Incentive IRI Ride	DOL	46,822.000	46,822.000
0542	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 01. STA 228+78	EACH	1.000	1.000
0544	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 02. STA 243+29	EACH	1.000	1.000
0546	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,100.000	2,100.000
0548	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	5,760.000	5,760.000
0550	SPV.0035	Special 01. Roadway Embankment	CY	200,700.000	200,700.000
0552	SPV.0035	Special 02. Foundation Backfill	CY	1,540.000	1,540.000
0554	SPV.0060	Special 01. Reconnect Pipe Underdrain	EACH	2.000	2.000
0556	SPV.0060	Special 02. Connect Underdrain Pipe to Proposed Inlet or Catch Basin	EACH	6.000	6.000
0558	SPV.0060	Special 03. Connect Storm Sewer Pipe to Existing Culvert	EACH	1.000	1.000
0560	SPV.0060	Special 04. Salvage Traffic Signals (USH 45 & STH 15/Bus 45)	EACH	1.000	1.000
0562	SPV.0075	Special 01. Street Sweeping	HRS	56.000	56.000
0564	SPV.0085	Special 01. Seeding Wet Meadow and Shallow Marsh Mix	LB	1.000	1.000
0566	SPV.0085	Special 02. Low Maintenance Seed Mix	LB	760.000	760.000
0568	SPV.0090	Special 01. Pipe Underdrain Railroad 6-Inch	LF	165.000	165.000
0570	SPV.0090	Special 02. Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	59,300.000	59,300.000
0572	SPV.0090	Special 03. Marking Line Grooved Permanent Tape 6-Inch	LF	7,820.000	7,820.000
0574	SPV.0090	Special 04. Marking Line Grooved Black Epoxy 6-Inch	LF	7,820.000	7,820.000
0576	SPV.0090	Special 05. Marking Line Grooved Permanent Tape 10-Inch	LF	8,270.000	8,270.000
0578	SPV.0180	Special 01. Streambed Placement Inside Culvert	SY	227.000	227.000
0580	SPV.0180	Special 02. Removing Concrete from Streambed	SY	13.000	13.000
0582	SPV.0195	Special 01. Shot Rock	TON	1,240.000	1,240.000

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CLEARING AND GRUBBING SUMMARY

STATION	TO	STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA	REMARKS
105+00	--	108+00	STH 15 EB	3	3	RT
106+00	--	107+00	STH 15 WB	1	1	LT
111+00	--	113+00	STH 15 EB	2	2	RT
113+00	--	117+00	STH 15 WB	4	4	LT
121+00	--	123+00	STH 15 WB	2	2	LT
122+00	--	12300	STH 15 EB	2	2	RT
133+00	--	138+00	STH 15 WB	5	5	LT & RT
133+00	--	137+00	STH 15 EB	4	4	LT & RT
141+00	--	143+00	STH 15 EB	2	2	RT
142+00	--	143+00	STH 15 WB	1	1	LT
147+00	--	149+00	STH 15 WB	2	2	LT & RT
147+00	--	150+00	STH 15 EB	3	3	LT & RT
150+00	--	159+00	STH 15 WB	9	9	LT & RT
154+00	--	158+00	STH 15 EB	4	4	LT & RT
162+00	--	163+00	STH 15 WB	1	1	LT
168+00	--	174+00	STH 15 WB	6	6	LT & RT
175+00	--	191+00	STH 15 WB	16	16	LT & RT
189+00	--	191+00	STH 15 EB	2	2	LT
192+00	--	217+00	STH 15 EB	25	25	LT & RT
192+00	--	233+00	STH 15 WB	41	41	LT & RT
218+00	--	224+00	STH 15 EB	6	6	RT
225+00	--	246+00	STH 15 EB	21	21	LT & RT
242+00	--	252+00	STH 15 WB	3	10	LT
249+00	--	252+00	STH 15 EB	3	3	RT
255+00	--	256+00	STH 15 EB	1	1	LT
34+00	--	35+00	USH 45 NB	1	1	RT
21+00	--	28+00	RIVER ROAD	7	7	RT
20+00	--	26+00	CROSS ROAD	6	6	LT & RT
47+00	--	50+00	LEDGE HILL ROAD	3	3	LT & RT
16+00	--	19+00	KELLY ROAD	3	3	LT
101+00	--	103+00	GIVENS ROAD	2	--	LT - SALT SHED SITE
			TOTAL	**191**	**196**	

REMOVING PAVEMENT SUMMARY

STATION	TO	STATION	LOCATION	204.0100 REMOVING PAVEMENT SY	REMARKS
104+17	--	105+54	STH 15 WB	80	CORRUGATED CONCRETE MEDIAN
107+00	--	144+45	STH 15 EB	6,676	
191+50	--	205+80	STH 15 EB	2,556	
219+50	--	250+37	STH 15 EB	5,488	
			TOTAL	**14,800**	

REMOVING GUARDRAIL SUMMARY

STATION	TO	STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF	REMARKS
201+16	--	215+21	STH 15 WB	1395	LT
226+30	--	230+78	STH 15 EB	775	LT & RT
242+48	--	244+09	STH 15 WB	310	LT & RT
			TOTAL	**2480**	

REMOVING CONCRETE FROM STREAMBED SUMMARY

STATION	LOCATION	OFFSET	SPV.0180.02 REMOVING CONCRETE FROM STREAMBED SY	REMARKS
243+30	STH 15 EB	RT	13	
		TOTAL	**13**	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

REMOVING ASPHALTIC SURFACE SUMMARY

STATION	TO	STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	REMARKS
34+99	--	35+09	USH 45	24	LOOP DETECTOR
37+14	--	37+24	USH 45	19	LOOP DETECTOR
39+00	--	39+28	USH 45	115	STORM SEWER AND CONDUIT
39+40	--	39+48	USH 45	9	END OF SPLITTER ISLAND
40+56	--	40+71	USH 45	11	PORK CHOP ISLAND, LT
40+95	--	41+08	USH 45	13	PORK CHOP ISLAND, LT
--	--	--	CTH T	25	NORTH OF INTERSECTION OF STH 15/USH 45; LOOP DETECTOR
100+79	--	101+46	STH 15 WB	758	FRICK FORD PARKING LOT
--	--	--	--	66	PARK AND RIDE PATCH AREA
			TOTAL	**1,040**	

REMOVING ASPHALTIC SURFACE BUTT JOINTS

STATION	TO	STATION	LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	REMARKS
---	--	---	CTH T	40	PARK & RIDE ENTRANCE
			TOTAL	**40**	

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	MISCELLANEOUS QUANTITIES	SHEET 209	E

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REMOVING OLD CULVERTS AND MARKERS SUMMARY

STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0180 REMOVING DELINEATORS AND MARKERS EACH	REMARKS
105+59	STH 15 EB, LT	1	--	18-INCH CPCM
107+61	STH 15 EB, RT	1	--	18-INCH CPCM
110+82	STH 15 EB, LT	1	--	18-INCH CPCM
111+68	STH 15 EB, RT	1	--	15-INCH CPCM
118+47	STH 15 EB	1	--	24-INCH CPCM
135+65	STH 15 EB, LT	1	--	18-INCH CPCM
144+34	STH 15 EB, RT	2	--	2 - 24-INCH CPCM
144+34	STH 15 EB, LT	1	--	18-INCH CPCM
149+80	STH 15 EB, RT	1	--	18-INCH CPCM
158+91	STH 15 EB	1	1	48-INCH CPRC
159+40	STH 15 EB, LT	1	--	18-INCH CPCM
159+82	STH 15 EB, RT	1	--	36-INCH CPCM
168+75	STH 15 EB, LT	1	--	18-INCH CPCM
170+34	STH 15 EB, LT	1	--	18-INCH CPCM
173+75	STH 15 EB, RT	1	--	24-INCH CPCM
175+75	STH 15 EB, LT	1	--	18-INCH CPCM
177+87	STH 15 EB, LT	1	--	18-INCH CPCM
182+78	STH 15 EB	1	1	30-INCH CPCM
186+00	STH 15 EB, RT	1	--	24-INCH CPCM
190+50	STH 15 EB, LT	1	--	18-INCH CPCM
192+00	STH 15 EB, RT	1	--	18-INCH CPCM
196+78	STH 15 EB	1	1	36-INCH CPCM
215+91	STH 15 EB, LT	1	--	18-INCH CPCM
216+45	STH 15 EB, RT	1	--	18-INCH CPCM
218+35	STH 15 EB, RT	1	--	18-INCH CPCM
221+54	STH 15 EB, RT	1	--	18-INCH CPCM
222+79	STH 15 EB, LT	1	--	18-INCH CPCM
226+00	STH 15 EB, RT	1	--	38x57-INCH CPCMPA
226+30	STH 15 EB, LT	1	--	15-INCH CPCM
245+00	STH 15 EB, RT	1	--	18-INCH CPCM
245+63	STH 15 EB, RT	1	--	18-INCH CPCM
250+03	STH 15 EB, RT	1	--	18-INCH CPCM
255+24	STH 15 EB, RT	1	2	36-INCH CPCM
USH 45 & STH 15		--	1	NW QUARANT OF INTERSECTION
USH 45 & STH 15		--	4	SW QUADRANT OF INTERSECTION
USH 45 & STH 15		--	2	SE QUADRANT OF INTERSECTION
43+19	USH 45, RT	1	--	29x49-INCH ENDWALL ONLY
43+27	USH 45, RT	1	--	29x49-INCH ENDWALL ONLY
25+60	RIVER ROAD, RT	1	--	24-INCH CPCM
28+36	RIVER ROAD, LT	1	--	24-INCH CPCM
18+81	CROSS ROAD, RT	1	--	15-INCH CPCM
22+88	CROSS ROAD, RT	1	--	15-INCH CPCM
47+19	LEDGE HILL ROAD, RT	3	--	20x28-INCH CPCMPA
17+67	KELLY DRIVE, RT	1	--	18-INCH CPCM
18+21	KELLY DRIVE, RT	1	--	18-INCH CPCM
	TOTAL	**45**	**12**	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

REMOVING CURB AND GUTTER SUMMARY

STATION	TO	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF	REMARKS
100+63	--	101+07	STH 15 EB RT	131	ISLAND
100+30	--	100+71	STH 15 WB LT	85	ISLAND
100+12	--	103+57	STH 15 WB	362	
101+08	--	101+55	STH 15 EB RT	78	
100+76	--	104+17	STH 15 EB	686	MEDIAN
120+80	--	121+35	STH 15 WB	84	RIVER ROAD INT.
121+70	--	122+15	STH 15 WB	81	RIVER ROAD INT.
151+55	--	152+00	STH 15 EB	87	CROSS ROAD INT.
152+40	--	152+85	STH 15 EB	55	CROSS ROAD INT.
231+25	--	231+95	STH 15 EB	100	KELLY DRIVE INT.
232+30	--	232+55	STH 15 EB	51	KELLY DRIVE INT.
39+00	--	39+10	USH 45 LT	20	
39+40	--	39+48	USH 45 LT	14	ISLAND
40+67	--	43+73	USH 45	597	MEDIAN
40+95	--	41+07	USH 45 LT	19	ISLAND
43+81	--	50+50	USH 45	870	MEDIAN
			TOTAL	**3,320**	

REMOVING CONCRETE BASES SUMMARY

*

STATION	TO	STATION	LOCATION	204.0195 REMOVING CONCRETE BASES EACH	REMARKS
--	--	43+50	USH 45 RT	1	APPROXIMATE SIZE IS 5' x 5' x 5'
--	--	43+61	USH 45 LT	1	APPROXIMATE SIZE IS 5' x 5' x 5'
--	--	43+93	USH 45 LT	1	APPROXIMATE SIZE IS 5' x 5' x 5'
--	--	44+04	USH 45 LT	1	APPROXIMATE SIZE IS 5' x 5' x 5'
			TOTAL	4	

* SEE TRAFFIC SIGNAL PLAN FOR ADDITIONAL QUANTITIES AND PROJECT TOTAL

REMOVING FENCE SUMMARY

STATION	TO	STATION	LOCATION	204.0170 REMOVING FENCE LF	REMARKS
106+09	--	109+20	STH 15 WB	11	LT
158+71	--	159+10	STH 15 WB	36	RT
160+66	--	169+14	STH 15 EB	864	RT
174+43	--	174+87	STH 15 WB	89	LT
184+46	--	188+41	STH 15 EB	395	LT
192+02	--	192+20	STH 15 WB	155	LT & RT
192+37	--	193+89	STH 15 EB	170	RT
215+03	--	219+14	STH 15 EB	570	RT
235+02	--	235+03	STH 15 EB	18	RT
237+45	--	237+67	STH 15 EB	37	RT
245+63	--	249+50	STH 15 EB	725	LT
19+00	--	21+64	CROSS ROAD	503	RT
41+91	--	46+92	LEDGE HILL ROAD	732	LT & RT
16+57	--	19+14	KELLY DRIVE	125	LT
			TOTAL	**4430**	

OBLITERATING ROAD SUMMARY

STATION	TO	STATION	214.0100 OBLITERATING OLD ROAD STA	LOCATION	REMARKS
25+90	--	27+85	2	CROSS ROAD	
		TOTAL	**2**		

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

REMOVING STORM SEWER ITEMS SUMMARY

STATION	TO	STATION	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER 12-INCH LF	204.0245.02 REMOVING STORM SEWER 18-INCH LF	204.0245.03 REMOVING STORM SEWER 24-INCH LF	204.0280 SEALING PIPES EACH	REMARKS
101+14	--	103+34	STH 15 WB	--	4	51	127	120	--	
103+34	--	104+35	STH 15 WB	--	1	--	100	--	--	
38+81	--	39+38	USH 45	1	2	132	--	--	--	
40+00	--	40+65	USH 45 RT	--	1	77	--	--	--	
43+47	--	43+52	USH 45 LT	--	2	16	--	--	--	
48+00	--	48+00	USH 45	--	1	4	13	--	--	
	STA 39+21, 9' LT		USH 45	--	--	--	--	--	1	EXISTING 12" STORM SEWER
	STA 43+47, 28' LT		USH 45	--	--	--	--	--	1	EXISTING 12" STORM SEWER
			TOTAL	**1**	**11**	**280**	**240**	**120**	**2**	

FROM/TO STATION	LOCATION	* 205.0100 COMMON EXCAVATION (1) CUT (2)	AVAILABLE MATERIAL (3)	* 205.0200 ROCK EXCAVATION (4)	EXPANDED ROCK (5) FACTOR 1.00	EXPANDED FILL (6) FACTOR 1.00	* SPV.0035.01 ROADWAY EMBANKMENT	COMMENT
100+78.57 - 255+99.99	STH 15 EB	146,785	146,785	45,264	45,264	-14,009	0	
100+90 - 255+77.76	STH 15 WB	72,909	72,909	4,779	4,779	185,461	185,461	
33+36.03 - 50+50	USH 45	8,074	8,074	0	0	797	797	
80+50 - 83+61.17	WOLF RIVER RUN	22	22	0	0	1,959	1,959	
20+85 - 29+00	RIVER ROAD	800	800	0	0	4,751	4,751	
17+00 - 29+20	CROSS ROAD	5,674	5,674	0	0	606	606	
42+00 - 49+85	LEDGE HILL ROAD	787	787	0	0	2,913	2,913	
16+00 - 19+15	KELLY DRIVE	1,998	1,998	0	0	0	0	
SUB-TOTAL		237,049	237,049	50,043	50,043		196,487	
TOTAL COMMON EXC		237,049						

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

3) AVAILABLE MATERIAL = CUT

(4) ROCK EXCAVATION ITEM NUMBER 205.0200

(5) EXPANDED ROCK FACTOR = 1.00

(6) EXPANDED FILL FACTOR = 1.00

EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK) * FILL FACTOR

* = ADDITIONAL QUANTITIES ARE SHOWN ELSEWHERE

FINISHING ROADWAY SUMMARY

PROJECT	213.0100 FINISHING ROADWAY EACH	REMARKS
1146-75-73	1	
TOTAL	**1**	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

EARTHWORK ITEMS SUMMARY

STATION	TO	STATION	LOCATION	205.0100 EXCAVATION COMMON CUT CY	205.0100 EXCAVATION COMMON EBS EXCAVATION CY	205.0200 EXCAVATION ROCK CY	205.0400 EXCAVATION MARSH CY	208.1100 SELECT BORROW CY	SPV.0035.01 ROADWAY EMBANKMENT CY	SPV.0035.02 FOUNDATION BACKFILL CY	REMARKS
104+17	--	105+54	STH 15 WB	-20	--	--	--	--	--	--	CONCRETE REMOVAL - USED 9-INCH DEPTH
107+00	--	144+45	STH 15 EB	-1665	--	--	--	--	--	--	CONCRETE REMOVAL - USED 9-INCH DEPTH
110+01	--	110+01	STH 15 WB	115	--	--	--	--	--	132	CULVERT PIPE WITH TRANSITION
117+20	--	120+00	STH 15 WB	--	--	--	4,308	7,673	-807	--	MARSH EXCAVATION LIMITS AREA
114+00	--	115+00	STH 15 WB	--	415	--	--	477	--	--	CUT TO FILL TRANSITION (EBS) AREA
121+87	--	122+02	STH 15 WB	127	--	--	--	--	-88	215	CULVERT PIPE WITH TRANSITION
128+00	--	129+00	STH 15 WB	--	415	--	--	477	--	--	CUT TO FILL TRANSITION (EBS) AREA
137+00	--	138+00	STH 15 WB	--	438	--	--	504	--	--	CUT TO FILL TRANSITION (EBS) AREA
140+80	--	141+80	STH 15 EB	538	--	--	--	--	--	--	C-44-121 - TEMPORARY BYPASS CHANNEL
141+00	--	144+00	STH 15 WB	--	--	--	752	1,145	--	--	MARSH EXCAVATION LIMITS AREA
141+30	--	141+97	STH 15 WB	--	4,771	--	--	2,797	2,339	--	SOFT CLAY REMOVAL AREA
142+20	--	142+20	STH 15 WB	--	--	--	--	--	-112	129	CULVERT PIPE WITH TRANSITION
148+91	--	148+91	STH 15 WB	170	--	--	--	--	--	195	CULVERT PIPE WITH TRANSITION
152+96	--	152+96	STH 15 WB	137	--	--	--	--	--	158	CULVERT PIPE WITH TRANSITION
154+00	--	156+00	STH 15 WB	--	713	--	--	820	--	--	CUT TO FILL TRANSITION (EBS) AREA
154+00	--	158+00	STH 15 EB	--	99	--	--	--	-128	--	4 ADDITIONAL INCHES OF SELECT CRUSHED MATERIAL
154+00	--	158+00	STH 15 WB	--	52	--	--	--	-148	--	4 ADDITIONAL INCHES OF SELECT CRUSHED MATERIAL
159+00	--	160+00	STH 15 WB	--	509	--	--	585	--	--	CUT TO FILL TRANSITION (EBS) AREA
163+00	--	166+00	STH 15 WB	--	1,532	--	--	2,787	-1,255	--	EXCAVATION BELOW SUBGRADE LIMITS AREA
173+00	--	174+00	STH 15 WB	--	415	--	--	477	--	--	CUT TO FILL TRANSITION (EBS) AREA
174+00	--	186+00	STH 15 WB	--	5,471	--	--	9,247	-3,776	--	EXCAVATION BELOW SUBGRADE LIMITS AREA
177+26	--	178+08	STH 15 WB	--	--	--	--	--	-859	--	POND FILL AREA
191+50	--	205+80	STH 15 EB	-635	--	--	--	--	--	--	CONCRETE REMOVAL - USED 9-INCH DEPTH
210+00	--	210+00	STH 15 WB	--	--	49	--	--	--	--	INSTALLATION OF CULVERT
216+66	--	216+66	STH 15 EB	--	--	235	--	--	--	135	INSTALLATION OF CULVERT PIPE WITH TRANSITION
219+50	--	250+37	STH 15 EB	-1368	--	--	--	--	--	--	CONCRETE REMOVAL - USED 9-INCH DEPTH
228+40	--	228+60	STH 15 WB	334	--	--	--	--	--	--	C-44-122 - TEMPORARY BYPASS CHANNEL
237+50	--	237+50	STH 15 WB	134	--	--	--	--	--	161	CULVERT PIPE WITH TRANSITION
243+20	--	243+70	STH 15 EB	754	--	--	--	--	--	--	C-44-123 - TEMPORARY BYPASS CHANNEL
43+34	--	44+18	USH 45	355	--	--	--	--	--	--	RAILROAD CROSSING - SUBGRADE IMPROVEMENT
24+00	--	26+00	RIVER ROAD	--	756	--	--	1,129	-373	--	EXCAVATION BELOW SUBGRADE LIMITS AREA
25+52	--	25+75	RIVER ROAD	--	--	--	--	--	-137	158	CULVERT PIPE WITH TRANSITION
25+03	--	25+03	CROSS ROAD	172	--	--	--	--	-85	257	CULVERT PIPE WITH TRANSITION
			PROJECT LIMITS	460	--	--	--	--	--	--	SEDIMENT REMOVAL FROM STONE OR ROCK DITCH CHECKS
			PARK AND RIDE AREA WEST OF USH 45	4,743	--	--	--	--	--	--	FOR RAILROAD VISION TRIANGLE
			AREA SOUTH OF RAILROAD AND WEST OF USH 45	28	--	--	--	--	--	--	FOR RAILROAD VISION TRIANGLE
			AREA NORTH OF RAILROAD AND WEST OF USH 45	1,348	--	--	--	--	--	--	FOR RAILROAD VISION TRIANGLE
			DRIVEWAYS	996	--	1,758	--	--	9,354	--	
			GRADING TO REMOVE OLD CROSS ROAD	531	--	--	--	--	193	--	
			UNDISTRIBUTED	10	2,500	15	--	3,782	95	--	
			SUB-TOTAL	7,265	18,086	2,057	5,060	31,900	4,213	1,540	
			SUB-TOTAL FROM PREVIOUS PAGE	237,049	--	50,043	--	--	196,487	--	
			PROJECT TOTAL	**262,400**		**52,100**	**5,060**	**31,900**	**200,700**	**1,540**	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

AGGREGATE SUMMARY

STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	310.0110 BASE AGGREGATE OPEN-GRADED TON	312.0110 SELECT CRUSHED MATERIAL TON	624.0100 WATER COMPACTION MGAL	624.0100 WATER DUST CONTROL MGAL	REMARKS
101+80	--	121+49	STH 15 EB	169	5,438	--	6,416	56.1	22.4	INCLUDES ALL OF BASE AGGREGATE UNDER SIDEWALK IN MEDIAN
101+85	--	121+49	STH 15 WB	138	4,508	--	5,843	46.5	18.6	--
121+49	--	147+65	STH 15 EB	355	6,900	--	7,710	72.5	29.0	--
121+49	--	147+52	STH 15 WB	353	6,856	--	7,660	72.1	28.8	--
147+65	--	232+16	STH 15 EB	1,200	21,882	--	24,657	230.8	92.3	--
147+52	--	232+16	STH 15 WB	1,220	22,073	--	24,854	232.9	93.2	--
154+00	--	158+00	STH 15 EB	--	--	--	418	--	--	4 ADDITIONAL INCHES OF SELECT CRUSHED MATERIAL
154+00	--	158+00	STH 15 WB	--	--	--	372	--	--	4 ADDITIONAL INCHES OF SELECT CRUSHED MATERIAL
232+16	--	256+00	STH 15 EB	341	6,065	--	6,885	64.1	25.6	--
232+16	--	255+77	STH 15 WB	324	6,630	--	7,460	69.5	27.8	--
33+66	--	50+50	USH 45	153	10,090	--	--	102.4	41.0	INCLUDES ALL OF BASE AGGREGATE UNDER SIDEWALK IN MEDIAN
43+34	--	44+18	USH 45	--	--	18	730	--	--	RAILROAD CROSSING - SUBGRADE IMPROVEMENT
80+58	--	83+01	WOLF RIVER RUN	59	1,588	--	--	16.5	6.6	--
20+96	--	29+00	RIVER ROAD	108	1,992	--	--	21.0	8.4	--
17+00	--	28+50	CROSS ROAD	317	3,947	--	--	42.6	17.1	--
42+00	--	50+00	LEDGE HILL ROAD	170	2,097	--	--	22.7	9.1	--
16+00	--	19+28	KELLY DRIVE	39	876	--	--	9.2	3.7	--
103+34	--	105+94	STH 15 WB LT	144	--	--	--	1.4	0.6	DRIVEWAY
106+87	--	107+79	STH 15 WB LT	79	--	--	--	0.8	0.3	DRIVEWAYS ON WOLF RIVER RUN
112+93	--	--	STH 15 EB	67	--	--	--	0.7	0.3	DRIVEWAY
116+68	--	--	STH 15 WB	167	--	--	--	1.7	0.7	DRIVEWAY
121+49	--	--	STH 15 EB	152	578	--	614	7.3	2.9	DRIVEWAY & MEDIAN CROSSING (END OF RADIUS TO END OF RADIUS)
129+16	--	--	STH 15 EB	72	--	--	--	0.7	0.3	DRIVEWAY
135+64	--	--	STH 15 WB	44	--	--	--	0.4	0.2	DRIVEWAY
147+65	--	--	STH 15 EB	65	585	--	621	6.5	2.6	DRIVEWAY & MEDIAN CROSSING (END OF RADIUS TO END OF RADIUS)
160+92	--	--	STH 15 EB	150	537	--	561	6.9	2.7	DRIVEWAY & MEDIAN CROSSING (END OF RADIUS TO END OF RADIUS)
160+50	--	--	STH 15 WB	369	--	--	--	3.7	1.5	DRIVEWAY
168+52	--	--	STH 15 WB	79	--	--	--	0.8	0.3	DRIVEWAY
173+67	--	--	STH 15 EB	90	--	--	--	0.9	0.4	DRIVEWAY
175+61	--	--	STH 15 WB	65	--	--	--	0.7	0.3	DRIVEWAY
177+88	--	--	STH 15 EB	35	--	--	--	0.4	0.1	DRIVEWAY
186+10	--	--	STH 15 EB	41	--	--	--	0.4	0.2	DRIVEWAY
192+00	--	--	STH 15 EB	64	537	--	556	6.0	2.4	DRIVEWAY & MEDIAN CROSSING (END OF RADIUS TO END OF RADIUS)
192+00	--	--	STH 15 WB	566	--	--	--	5.7	2.3	DRIVEWAY
194+85	--	--	STH 15 EB	43	--	--	--	0.4	0.2	DRIVEWAY
215+74	--	--	STH 15 EB	293	536	--	556	8.3	3.3	DRIVEWAY & MEDIAN CROSSING (END OF RADIUS TO END OF RADIUS)
216+05	--	--	STH 15 WB	67	--	--	--	0.7	0.3	DRIVEWAY
218+18	--	--	STH 15 WB	35	--	--	--	0.3	0.1	DRIVEWAY
218+78	--	--	STH 15 EB	88	--	--	--	0.9	0.4	DRIVEWAY
221+50	--	--	STH 15 EB	37	--	--	--	0.4	0.1	DRIVEWAY
222+80	--	--	STH 15 WB	42	--	--	--	0.4	0.2	DRIVEWAY
226+05	--	--	STH 15 EB	44	--	--	--	0.4	0.2	DRIVEWAY
226+40	--	--	STH 15 WB	99	--	--	--	1.0	0.4	DRIVEWAY
232+16	--	--	STH 15 WB	97	594	--	630	6.9	2.8	DRIVEWAY & MEDIAN CROSSING (END OF RADIUS TO END OF RADIUS)
235+80	--	--	STH 15 WB	166	--	--	--	1.7	0.7	DRIVEWAY
		SUBTOTAL		8,204	104,309	18	96,543	1,125	450	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

AGGREGATE SUMMARY (CONTINUED)

STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	310.0110 BASE AGGREGATE OPEN-GRADED TON	312.0110 SELECT CRUSHED MATERIAL TON	624.0100 WATER COMPACTION MGAL	624.0100 WATER DUST CONTROL MGAL	REMARKS
245+35	--	--	STH 15 EB	194	--	--	--	1.9	0.8	DRIVEWAY
250+50	--	--	STH 15 EB	505	536	--	557	10.4	4.2	DRIVEWAY & MEDIAN CROSSING (END OF RADIUS TO END OF RADIUS)
250+50	--	--	STH 15 WB	937	--	--	--	9.4	3.7	DRIVEWAY
27+00	--	--	RIVER ROAD	51	--	--	--	0.5	0.2	DRIVEWAY
28+38	--	--	RIVER ROAD	32	--	--	--	0.3	0.1	DRIVEWAY
18+83	--	--	CROSS ROAD	25	--	--	--	0.2	0.1	DRIVEWAY
20+00	--	--	CROSS ROAD	60	--	--	--	0.6	0.2	DRIVEWAY
22+94	--	--	CROSS ROAD	42	--	--	--	0.4	0.2	DRIVEWAY
43+00	--	--	LEDGE HILL ROAD	71	--	--	--	0.7	0.3	DRIVEWAY
47+00	--	--	LEDGE HILL ROAD	219	--	--	--	2.2	0.9	DRIVEWAY
16+43	--	--	KELLY DRIVE	29	--	--	--	0.3	0.1	DRIVEWAY
17+64	--	--	KELLY DRIVE	29	--	--	--	0.3	0.1	DRIVEWAY
--	--	--	PROJECT LIMITS	--	9,955	--	--	97.0	39.8	TEMPORARY ACCESS FOR DRIVEWAYS
		SUBTOTAL		2,196	10,491	0	557	124	51	
		PROJECT TOTAL		**10,400**	**114,800**	**18**	**97,100**		**1,750**	

CONCRETE PAVEMENT SUMMARY

STATION	TO	STATION	LOCATION	415.0090 CONCRETE PAVEMENT 9-INCH SY	REMARKS
101+80	--	103+00	STH 15 EB	433	
101+85	--	106+00	STH 15 WB	1,614	
103+00	--	109+19	STH 15 EB	1,760	
106+00	--	109+19	STH 15 WB	920	
109+19	--	121+49	STH 15 EB	3,556	
109+19	--	121+49	STH 15 WB	3,743	
121+49	--	147+65	STH 15 EB	7,566	
121+49	--	147+52	STH 15 WB	7,513	
147+65	--	159+46	STH 15 EB	3,432	
147+52	--	158+99	STH 15 WB	3,292	
159+46	--	192+00	STH 15 EB	9,404	
158+99	--	192+00	STH 15 WB	9,380	
192+00	--	215+72	STH 15 EB	6,832	
192+00	--	216+05	STH 15 WB	6,968	
215+72	--	232+16	STH 15 EB	4,746	
216+05	--	232+16	STH 15 WB	4,767	
232+16	--	250+40	STH 15 EB	5,280	
232+16	--	250+23	STH 15 WB	5,211	
250+40	--	256+00	STH 15 EB	1,621	
250+23	--	256+00	STH 15 WB	1,662	
			TOTAL	**89,700**	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

DRILLED DOWEL BAR SUMMARY

STATION	TO	STATION	LOCATION	416.0620 DRILLED DOWEL BARS EACH	REMARKS
--	--	256+00	STH 15 EB	24	TIE INTO EXISTING PAVEMENT AT LIMITS
--	--	256+00	STH 15 WB	24	TIE INTO EXISTING PAVEMENT AT LIMITS
			TOTAL	**48**	

BREAKER RUN AND SHOT ROCK SUMMARY

STATION	TO	STATION	LOCATION	311.0110 BREAKER RUN TON	SPV.0195.01 SHOT ROCK TON	REMARKS
177+26	--	178+08	STH 15 WB LT	277	1,240	POND FILL
80+58	--	83+01	WOLF RIVER RUN	1,358	--	
214+37	--	215+06	STH 15 WB, LT	65	--	KARST REMEDIATION UNDER NON-ROADWAY AREA
215+46	--	215+74	STH 15 WB, LT	20	--	KARST REMEDIATION UNDER NON-ROADWAY AREA
217+00	--	219+50	STH 15 WB, LT & RT	460	--	KARST REMEDIATION UNDER ROADWAY AREA
			TOTAL	**2,180**	**1,240**	

CONCRETE GAPS SUMMARY

INTERSECTION		415.0210 CONCRETE GAPS EACH	REMARKS
WOLF RIVER RUN	STH 15	1	
RIVER ROAD	STH 15	1	
CROSS ROAD	STH 15	1	
STA 160'WB'+46	STH 15	1	
KELLY DRIVE	STH 15	1	
STA 250'WB'+28	STH 15	1	
STA 250'EB'+09	STH 15	1	
		7	

ASPHALT SUMMARY

STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCES TON	REMARKS
33+66	--	38+45	USH 45	40	--	--	98	51	--	--	MAINLINE
38+45	--	40+64	USH 45	189	--	--	441	211	--	--	MAINLINE TO ASPHALT PAVING LIMITS ON STH 15
40+64	--	43+67	USH 45	208	--	--	487	233	--	--	MAINLINE - BOTH DIRECTIONS - SOUTH OF RAILROAD CROSSING
43+77	--	50+50	USH 45	232	--	--	542	260	--	--	MAINLINE - BOTH DIRECTIONS - NORTH OF RAILROAD CROSSING
33+66	--	37+99	USH 45	--	--	73	--	--	--	--	OUTSIDE SHOULDER
39+00	--	39+10	USH 45	--	--	--	--	--	1	--	INSIDE SPLITTER ISLAND
39+00	--	39+10	USH 45	0.4	--	--	1	0.4	--	--	DRIVING LANE ADJACENT TO SPLITTER ISLAND
40+56	--	40+71	USH 45	--	--	--	--	--	2	--	NE QUADRANT PORKCHOP ISLAND
40+95	--	41+06	USH 45	--	--	--	--	--	1	--	NE QUADRANT PORKCHOP ISLAND
40+95	--	41+08	USH 45	0.4	--	--	1	0.5	--	--	DRIVING LANES ADJACENT TO NE QUADRANT PORKCHOP ISLAND - BOTH SIDES
41+21	--	43+67	USH 45	--	--	55	--	--	--	--	OUTSIDE SHOULDER - BOTH DIRECTIONS - SOUTH OF RAILROAD CROSSING
43+77	--	50+51	USH 45	--	--	137	--	--	--	--	OUTSIDE SHOULDER - BOTH DIRECTIONS - NORTH OF RAILROAD CROSSING
39+40	--	39+42	USH 45	--	--	--	--	--	0.1	--	INSIDE SPLITTER ISLAND
39+40	--	39+48	USH 45	1	--	--	3	1	--	--	END OF SPLITTER ISLAND
--	--	--	CTH T	3	--	--	6	3	--	--	PATCH NORTH OF INTERSECTION AT STH 15 AND USH 45
101+80	--	142+72	STH 15 EB	--	--	563	--	--	--	--	OUTSIDE SHOULDER
113+50	--	114+58	STH 15 EB	--	--	7	--	--	--	--	INSIDE SHOULDER
122+79	--	141+94	STH 15 EB	--	--	131	--	--	--	--	INSIDE SHOULDER
148+18	--	227+13	STH 15 EB	--	--	1089	--	--	--	--	OUTSIDE SHOULDER
149+08	--	155+46	STH 15 EB	--	--	44	--	--	--	--	INSIDE SHOULDER
162+29	--	186+64	STH 15 EB	--	--	167	--	--	--	--	INSIDE SHOULDER
193+36	--	210+34	STH 15 EB	--	--	117	--	--	--	--	INSIDE SHOULDER
216+96	--	226+43	STH 15 EB	--	--	65	--	--	--	--	INSIDE SHOULDER
232+71	--	256+00	STH 15 EB	--	--	325	--	--	--	--	OUTSIDE SHOULDER
233+47	--	245+01	STH 15 EB	--	--	79	--	--	--	--	INSIDE SHOULDER
251+79	--	256+00	STH 15 EB	--	--	29	--	--	--	--	INSIDE SHOULDER
106+00	--	108+56	STH 15 WB	--	--	39	--	--	--	--	OUTSIDE SHOULDER
113+63	--	120+94	STH 15 WB	--	--	104	--	--	--	--	OUTSIDE SHOULDER
114+25	--	120+19	STH 15 WB	--	--	44	--	--	--	--	INSIDE SHOULDER
126+49	--	256+00	STH 15 WB	--	--	1775	--	--	--	--	OUTSIDE SHOULDER
127+16	--	146+35	STH 15 WB	--	--	132	--	--	--	--	INSIDE SHOULDER
154+35	--	159+30	STH 15 WB	--	--	34	--	--	--	--	INSIDE SHOULDER
166+40	--	190+76	STH 15 WB	--	--	167	--	--	--	--	INSIDE SHOULDER
197+49	--	214+69	STH 15 WB	--	--	118	--	--	--	--	INSIDE SHOULDER
221+14	--	230+85	STH 15 WB	--	--	67	--	--	--	--	INSIDE SHOULDER
239+03	--	249+02	STH 15 WB	--	--	69	--	--	--	--	INSIDE SHOULDER
255+69	--	256+00	STH 15 WB	--	--	2	--	--	--	--	INSIDE SHOULDER
106+09	--	109+99	STH 15 EB	49	--	118	--	--	--	--	LEFT TURN LANE AND MEDIAN CROSSOVER
114+58	--	122+79	STH 15 EB	190	--	445	--	--	--	--	LEFT TURN LANE, SHOULDER AND HALF OF MEDIAN CROSSOVER
141+94	--	149+08	STH 15 EB	108	--	252	--	--	--	--	LEFT TURN LANE, SHOULDER AND HALF OF MEDIAN CROSSOVER
142+72	--	146+93	STH 15 EB	54	--	127	--	--	--	--	RIGHT TURN LANE
		SUBTOTAL		1,075	0	6,374	1,580	760	4	0	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

ASPHALT SUMMARY (CONTINUED)

STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAY AND FIELD ENTRANCES TON	REMARKS
155+46	--	162+29	STH 15 EB	77	--	181	--	--	--	--	LEFT TURN LANE
186+64	--	193+36	STH 15 EB	75	--	174	--	--	--	--	LEFT TURN LANE
210+34	--	216+96	STH 15 EB	73	--	170	--	--	--	--	LEFT TURN LANE
226+43	--	233+47	STH 15 EB	108	--	252	--	--	--	--	LEFT TURN LANE, SHOULDER AND HALF OF MEDIAN CROSSOVER
227+13	--	231+38	STH 15 EB	54	--	127	--	--	--	--	RIGHT TURN LANE
245+01	--	251+79	STH 15 EB	76	--	177	--	--	--	--	LEFT TURN LANE
109+86	--	113+63	STH 15 WB	48	--	111	--	--	--	--	RIGHT TURN LANE
120+19	--	127+16	STH 15 WB	105	--	246	--	--	--	--	LEFT TURN LANE, SHOULDER AND HALF OF MEDIAN CROSSOVER
122+24	--	126+49	STH 15 WB	54	--	127	--	--	--	--	RIGHT TURN LANE
146+35	--	154+35	STH 15 WB	184	--	436	--	--	--	--	LEFT TURN LANE, SHOULDER AND HALF OF MEDIAN CROSSOVER
159+30	--	166+40	STH 15 WB	72	--	168	--	--	--	--	LEFT TURN LANE
190+76	--	197+49	STH 15 WB	75	--	174	--	--	--	--	LEFT TURN LANE
214+69	--	221+14	STH 15 WB	76	--	179	--	--	--	--	LEFT TURN LANE
230+85	--	239+03	STH 15 WB	185	--	434	--	--	--	--	LEFT TURN LANE, SHOULDER AND HALF OF MEDIAN CROSSOVER
249+02	--	255+69	STH 15 WB	73	--	172	--	--	--	--	LEFT TURN LANE
80+48	--	83+01	WOLF RIVER RUN	212	288	208	--	--	--	--	MAINLINE
20+86	--	29+00	RIVER ROAD	232	316	228	--	--	--	--	MAINLINE
17+00	--	29+19	CROSS ROAD	422	576	416	--	--	--	--	MAINLINE
42+00	--	49+76	LEDGE HILL ROAD	210	286	206	--	--	--	--	MAINLINE
16+00	--	19+14	KELLY DRIVE	113	154	111	--	--	--	--	MAINLINE
158+60	--	160+26	STH 15 EB	41	--	95	--	--	--	--	RADIUS POINT TO RADIUS POINT OF MEDIAN OPENING
191+26	--	192+86	STH 15 EB	40	--	94	--	--	--	--	RADIUS POINT TO RADIUS POINT OF MEDIAN OPENING
214+94	--	216+55	STH 15 EB	40	--	94	--	--	--	--	RADIUS POINT TO RADIUS POINT OF MEDIAN OPENING
249+63	--	251+26	STH 15 EB	40	--	94	--	--	--	--	RADIUS POINT TO RADIUS POINT OF MEDIAN OPENING
103+34	--	105+94	STH 15 WB LT	--	--	--	--	--	--	50	CALCULATED WITH 3-INCHES OF ASPHALTIC SURFACE
116+35	--	116+64	STH 15 WB LT	--	--	--	--	--	--	7	CALCULATED WITH 3-INCHES OF ASPHALTIC SURFACE
191+75	--	195+40	STH 15 WB LT	--	--	--	--	--	--	191	CALCULATED WITH 3-INCHES OF ASPHALTIC SURFACE
231+98	--	232+55	STH 15 WB LT	--	--	--	--	--	--	39	CALCULATED WITH 3-INCHES OF ASPHALTIC SURFACE
16+15	--	16+72	KELLY DRIVE LT	--	--	--	--	--	--	13	CALCULATED WITH 3-INCHES OF ASPHALTIC SURFACE
17+38	--	17+89	KELLY DRIVE RT	--	--	--	--	--	--	16	CALCULATED WITH 3-INCHES OF ASPHALTIC SURFACE
235+02	--	236+30	STH 15 WB LT	--	--	--	--	--	--	80	CALCULATED WITH 3-INCHES OF ASPHALTIC SURFACE
249+21	--	250+83	STH 15 WB LT	--	--	--	--	--	--	177	CALCULATED WITH 3-INCHES OF ASPHALTIC SURFACE
250+00	--	252+17	STH 15 EB RT	--	--	--	--	--	--	227	CALCULATED WITH 3-INCHES OF ASPHALTIC SURFACE
--	--	--	--	--	--	--	--	--	--	171	PARK AND RIDE
		SUBTOTAL		2,685	1,620	4,676	0	0	0	971	
		PROJECT TOTAL		**3,760**	**1,620**	**11,050**	**1,580**	**760**	**4**	**971**	

LOCATION	450.4000 HMA COLD WEATHER PAVING TON	REMARKS
PROJECT LIMITS	3360	
TOTAL	**3360**	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

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ASPHALTIC FLUMES SUMMARY

STATION	SIDE	LOCATION	465.0315 ASPHALTIC FLUMES SY	REMARKS
101+84	RT	STH 15 EB	19	INTERSECTION RADII
100+31	LT	STH 15 WB	20	INTERSECTION RADII
103+31	LT	STH 15 WB	3	END OF PARKING LOT
108+50	LT	STH 15 WB	13	INTERSECTION RADII
108+86	LT	STH 15 WB	9	INTERSECTION RADII
109+34	LT	STH 15 WB	9	INTERSECTION RADII
146+69	RT	STH 15 WB	11	MEDIAN OPENING
146+88	RT	STH 15 EB	14	INTERSECTION RADII
147+10	LT	STH 15 EB	6	MEDIAN OPENING
147+33	RT	STH 15 EB	13	INTERSECTION RADII
147+93	RT	STH 15 EB	12	INTERSECTION RADII
148+16	LT	STH 15 EB	2	MEDIAN OPENING
148+57	RT	STH 15 WB	7	MEDIAN OPENING
231+72	LT	STH 15 WB	3	MEDIAN OPENING
231+75	LT	STH 15 EB	4	MEDIAN OPENING
231+82	RT	STH 15 EB	11	INTERSECTION RADII
232+75	RT	STH 15 EB	13	INTERSECTION RADII
233+00	LT	STH 15 EB	9	MEDIAN OPENING
233+20	RT	STH 15 WB	9	MEDIAN OPENING
21+40	LT	RIVER ROAD	19	INTERSECTION RADII
21+60	RT	RIVER ROAD	16	INTERSECTION RADII
25+49	RT	CROSS ROAD	13	INTERSECTION RADII
26+38	RT	CROSS ROAD	15	INTERSECTION RADII
		TOTAL	**250**	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

SHOULDER RUMBLE STRIPS SUMMARY

STATION	TO	STATION	LOCATION	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS LF	416.1110 CONCRETE SHOULDER RUMBLE STRIPS LF	REMARKS
112+00	--	112+51	STH 15 EB	--	51	OUTSIDE SHOULDER
112+00	--	116+16	STH 15 WB	--	411	OUTSIDE SHOULDER
113+34	--	121+19	STH 15 EB	--	787	OUTSIDE SHOULDER
117+20	--	120+14	STH 15 WB	--	294	OUTSIDE SHOULDER
121+75	--	128+74	STH 15 EB	--	700	OUTSIDE SHOULDER
129+58	--	141+93	STH 15 EB	--	1,238	OUTSIDE SHOULDER
112+00	--	114+47	STH 15 EB	247	--	MEDIAN SHOULDER
115+02	--	120+39	STH 15 WB	537	--	MEDIAN SHOULDER
122+59	--	141+79	STH 15 EB	1,921	--	MEDIAN SHOULDER
127+24	--	135+34	STH 15 WB	--	812	OUTSIDE SHOULDER
127+31	--	146+46	STH 15 WB	1,916	--	MEDIAN SHOULDER
135+94	--	147+12	STH 15 WB	--	1,115	OUTSIDE SHOULDER
147+98	--	158+45	STH 15 WB	--	1,036	OUTSIDE SHOULDER
149+07	--	159+20	STH 15 EB	--	1,026	OUTSIDE SHOULDER
159+41	--	168+10	STH 15 WB	--	814	OUTSIDE SHOULDER
159+74	--	173+19	STH 15 EB	--	1,350	OUTSIDE SHOULDER
168+94	--	175+33	STH 15 WB	--	640	OUTSIDE SHOULDER
175+89	--	191+75	STH 15 WB	--	1,587	OUTSIDE SHOULDER
174+15	--	177+60	STH 15 EB	--	345	OUTSIDE SHOULDER
178+16	--	185+79	STH 15 EB	--	762	OUTSIDE SHOULDER
186+35	--	191+77	STH 15 EB	--	542	OUTSIDE SHOULDER
192+33	--	194+58	STH 15 EB	--	225	OUTSIDE SHOULDER
192+59	--	215+66	STH 15 WB	--	2,323	OUTSIDE SHOULDER
195+14	--	215+44	STH 15 EB	--	2,018	OUTSIDE SHOULDER
216+05	--	218+12	STH 15 EB	--	205	OUTSIDE SHOULDER
216+49	--	217+91	STH 15 WB	--	144	OUTSIDE SHOULDER
218+46	--	222+50	STH 15 WB	--	441	OUTSIDE SHOULDER
218+68	--	221+21	STH 15 EB	--	253	OUTSIDE SHOULDER
221+77	--	225+77	STH 15 EB	--	400	OUTSIDE SHOULDER
223+10	--	225+97	STH 15 WB	--	288	OUTSIDE SHOULDER
226+67	--	231+98	STH 15 WB	--	531	OUTSIDE SHOULDER
148+79	--	153+70	STH 15 EB	492	--	MEDIAN SHOULDER
154+50	--	157+44	STH 15 WB	294	--	MEDIAN SHOULDER
161+17	--	186+37	STH 15 EB	2,522	--	MEDIAN SHOULDER
165+19	--	190+40	STH 15 WB	2,523	--	MEDIAN SHOULDER
193+72	--	210+07	STH 15 EB	1,636	--	MEDIAN SHOULDER
217+35	--	226+28	STH 15 EB	895	--	MEDIAN SHOULDER
232+55	--	235+02	STH 15 WB	--	247	OUTSIDE SHOULDER
233+26	--	244+77	STH 15 EB	1,152	--	MEDIAN SHOULDER
197+76	--	214+36	STH 15 WB	1,661	--	MEDIAN SHOULDER
233+59	--	244+95	STH 15 EB	--	1,143	OUTSIDE SHOULDER
236+30	--	249+54	STH 15 WB	--	1,320	OUTSIDE SHOULDER
245+82	--	250+00	STH 15 EB	--	419	OUTSIDE SHOULDER
250+86	--	256+00	STH 15 EB	--	516	OUTSIDE SHOULDER
250+83	--	258+26	STH 15 WB	--	717	OUTSIDE SHOULDER
252+13	--	256+00	STH 15 EB	388	--	MEDIAN SHOULDER
221+41	--	231+05	STH 15 WB	965	--	MEDIAN SHOULDER
256+01	--	258+26	STH 15 WB	202	--	MEDIAN SHOULDER
239+17	--	248+65	STH 15 WB	949	--	MEDIAN SHOULDER
			TOTAL	**18,300**	**24,700**	

DRIVEWAY CULVERT PIPES AND STRUCTURES SUMMARY

END OF PIPE LOCATIONS						* 520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH	** 520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH	** 520.1036 APRON ENDWALLS FOR CULVERT PIPE 36-INCH	+ 520.3318 CULVERT PIPE CLASS III-A 18-INCH	+ 520.3324 CULVERT PIPE CLASS III-A 24-INCH	++ 520.3336 CULVERT PIPE CLASS III-A 36-INCH				
INLET LOCATION			OUTLET LOCATION										INLET	OUTLET	
STATION	OFFSET	LOCATION	STATION	OFFSET	LOCATION	EACH	EACH	EACH	LF	LF	LF	% SLOPE	ELEVATION	ELEVATION	REMARKS
113+27	55.0' RT	STH 15 EB	112+57	55.8' RT	STH 15 EB	2	-	-	70	-	-	1.87	778.64	777.33	
116+42	75.9' LT	STH 15 WB	116+98	81.1' LT	STH 15 WB	2	-	-	56	-	-	2.43	776.34	774.98	
128+82	60.1' RT	STH 15 EB	129+50	58.4' RT	STH 15 EB	2	-	-	68	-	-	0.68	777.55	777.09	
160+85	71.4' LT	STH 15 WB	160+04	70.6' LT	STH 15 WB	-	2	-	-	78	-	0.15	767.83	767.71	
161+19	70.8' RT	STH 15 EB	160+10	74.7' RT	STH 15 EB	-	-	2	-	-	112	0.63	769.40	768.70	
168+91	68.7' LT	STH 15 WB	168+10	71.3' LT	STH 15 WB	2	-	-	82	-	-	0.44	771.85	771.49	
175+83	65.6' LT	STH 15 WB	175+39	65.7' LT	STH 15 WB	2	-	-	44	-	-	0.61	775.58	775.31	
218+81	59.9' RT	STH 15 EB	217+95	58.4' RT	STH 15 EB	2	-	-	86	-	-	0.62	823.19	822.66	
245+79	66.7' RT	STH 15 EB	244+90	70.9' RT	STH 15 EB	2	-	-	90	-	-	0.73	802.41	801.75	
					SUB-TOTAL	14	2	2	496	78	112	TOTAL			

* ITEM FOUND IN STORM SEWER PIPE ENDWALLS AND MARKERS SUMMARY. PROJECT TOTAL SHOWN UNDER STORM SEWER PIPE ENDWALLS AND MARKERS SUMMARY.

** ITEM FOUND IN ENDWALLS FOR CROSS PIPES AND MARKERS SUMMARY. PROJECT TOTAL SHOWN UNDER ENDWALLS FOR CROSS PIPES AND MARKERS SUMMARY.

+ IF CORRUGATED STEEL OPTION IS USED, MINIMUM STEEL THICKNESS SHALL BE 0.064 INCHES.

++ IF CORRUGATED STEEL OPTION IS USED, MINIMUM STEEL THICKNESS SHALL BE 0.079 INCHES.

DRIVEWAY CULVERT PIPES AND STRUCTURES SUMMARY (CONTINUED)

END OF PIPE LOCATIONS						521.1518 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 6 TO 1	521.1524 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 24-INCH 6 TO 1	
INLET LOCATION			OUTLET LOCATION					
STATION	OFFSET	LOCATION	STATION	OFFSET	LOCATION	EACH	EACH	REMARKS
173+99	57.9' RT	STH 15 EB	173+33	58.0' RT	STH 15 EB	-	2	
192+28	57.7' RT	STH 15 EB	191+81	57.4' RT	STH 15 EB	2	-	
					TOTAL	2	2	

DRIVEWAY CULVERT PIPES AND STRUCTURES SUMMARY (CONTINUED)

END OF PIPE LOCATIONS						+ 521.3757 PIPE ARCH CORRUGATED STEEL 57X38-INCH	521.1257 APRON ENDWALLS FOR PIPE ARCH STEEL 57X38-INCH-INCH				
INLET LOCATION			OUTLET LOCATION						INLET	OUTLET	
STATION	OFFSET	LOCATION	STATION	OFFSET	LOCATION	LF	EACH	% SLOPE	ELEVATION	ELEVATION	REMARKS
225+90	63.4' RT	STH 15 EB	226+24	65.0' RT	STH 15 EB	34	2	2.24	819.98	819.22	
		TOTAL				34	2				

+ IF CORRUGATED STEEL OPTION IS USED, MINIMUM STEEL THICKNESS SHALL BE 0.109 INCHES.

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

DRIVEWAY CULVERT PIPES AND STRUCTURES SUMMARY (CONTINUED)

END OF PIPE LOCATIONS						+ 521.3115 CULVERT PIPE CORRUGATED STEEL 15-INCH	+ 521.3118 CULVERT PIPE CORRUGATED STEEL 18-INCH	+ 521.3124 CULVERT PIPE CORRUGATED STEEL 24-INCH	521.1015 APRON ENDWALLS FOR CPS 15-INCH	521.1018 APRON ENDWALLS FOR CPS 18-INCH	521.1024 APRON ENDWALLS FOR CPS 24-INCH				
INLET LOCATION			OUTLET LOCATION												
STATION	OFFSET	LOCATION	STATION	OFFSET	LOCATION	LF	LF	LF	EACH	EACH	EACH	% SLOPE	INLET ELEVATION	OUTLET ELEVATION	REMARKS
135+44	64.9' LT	STH 15 WB	135+84	67.1' LT	STH 15 WB	-	40	-	-	2	-	2.30	768.30	767.38	
147+76	61.5' LT	STH 15 WB	147+35	62.0' LT	STH 15 WB	-	40	-	-	2	-	0.53	763.46	763.25	
173+99	57.9' RT	STH 15 EB	173+33	58.0' RT	STH 15 EB	-	-	66	-	-	-	0.50	777.28	776.95	6 TO 1 SLOPED ENDWALLS
178+08	57.9' RT	STH 15 EB	177+68	57.9' RT	STH 15 EB	-	40	-	-	2	-	0.37	778.88	778.73	
186+28	63.8' RT	STH 15 EB	185+84	64.2' RT	STH 15 EB	-	-	44	-	-	2	0.84	781.37	781.00	
192+28	57.7' RT	STH 15 EB	191+81	57.4' RT	STH 15 EB	-	46	-	-	-	-	0.37	784.59	784.42	6 TO 1 SLOPED ENDWALLS
195+17	120.4' LT	STH 15 WB	194+96	156.8' LT	STH 15 WB	-	42	-	-	2	-	1.48	775.03	774.41	
215+97	58.2' RT	STH 15 EB	215+48	58.0' RT	STH 15 EB	-	48	-	-	2	-	1.10	821.54	821.01	
216+37	59.4' LT	STH 15 WB	215+76	59.1' LT	STH 15 WB	-	62	-	-	2	-	0.79	824.85	824.36	
222+66	59.1' LT	STH 15 WB	222+94	59.0' LT	STH 15 WB	-	28	-	-	2	-	0.43	823.66	823.54	
226+03	65.0' LT	STH 15 WB	226+65	66.1' LT	STH 15 WB	-	62	-	-	2	-	1.39	818.78	817.92	
235+43	57.9' LT	STH 15 WB	236+05	58.4' LT	STH 15 WB	-	62	-	-	2	-	1.26	809.41	808.63	
250+66	56.4' LT	STH 15 WB	249+77	57.1' LT	STH 15 WB	-	88	-	-	2	-	0.44	803.94	803.55	
250+76	55.9' RT	STH 15 EB	250+01	57.4' RT	STH 15 EB	-	76	-	-	2	-	0.79	806.28	805.68	
28+51	23.6' LT	RIVER ROAD	28+19	23.4' LT	RIVER ROAD	-	-	32	-	-	2	0.69	771.35	771.13	
19+71	38.1' LT	CROSS ROAD	20+35	37.0' LT	CROSS ROAD	-	62	-	-	2	-	0.50	782.51	782.20	
22+70	42.2' RT	CROSS ROAD	23+15	47.3' RT	CROSS ROAD	-	48	-	-	2	-	1.96	782.56	781.62	
42+82	33.7' RT	LEDGE HILL ROAD	43+20	35.2' RT	LEDGE HILL ROAD	38	-	-	2	-	-	1.16	791.00	790.56	
46+65	39.9' RT	LEDGE HILL ROAD	47+39	39.6' RT	LEDGE HILL ROAD	-	78	-	-	2	-	0.81	781.57	780.94	
46+94	167.1' RT	LEDGE HILL ROAD	46+79	209.0' RT	LEDGE HILL ROAD	-	46	-	-	2	-	0.50	779.97	779.74	
16+29	24.1' LT	KELLY DRIVE	16+59	24.1' LT	KELLY DRIVE	30	-	-	2	-	-	7.53	835.08	832.82	
17+51	25.6' RT	KELLY DRIVE	17+73	25.8' RT	KELLY DRIVE	24	-	-	2	-	-	3.54	825.94	825.09	
					TOTAL	92	868	142	6	30	4				

+ MINIMUM STEEL THICKNESS SHALL BE 0.064 INCHES.

ENDWALLS FOR CROSS PIPES AND MARKERS SUMMARY

END OF CULVERT PIPE LOCATIONS						* 520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH	520.1030 APRON ENDWALLS FOR CULVERT PIPE 30-INCH	* 520.1036 APRON ENDWALLS FOR CULVERT PIPE 36-INCH	** 522.1018 APRON ENDWALLS FOR CPRC 18-INCH	522.1042 APRON ENDWALLS FOR CPRC 42-INCH	633.5200 MARKERS CULVERT END	
INLET LOCATION			OUTLET LOCATION									
STATION	OFFSET	LOCATION	STATION	OFFSET	LOCATION	EACH	EACH	EACH	EACH	EACH	EACH	REMARKS
118+35	72.7' RT	STH 15 EB	118+36	87.4' LT	STH 15 WB	-	2	-	-	-	2	
STRUCTURE C-44-121 - SEE STRUCTURE PLANS FOR LOCATION						-	-	-	-	-	2	
182+76	60.0' RT	STH 15 EB	182+47	61.7' LT	STH 15 WB	-	-	-	-	2	2	
196+89	65.8' RT	STH 15 EB	196+22	79.6' LT	STH 15 WB	-	-	2	-	-	2	
STRUCTURE C-44-122 - SEE STRUCTURE PLANS FOR LOCATION						-	-	-	-	-	2	
STRUCTURE C-44-123 - SEE STRUCTURE PLANS FOR LOCATION						-	-	-	-	-	2	
80+79	43.9' RT	CUL DE SAC	80+88	37.6' LT	CUL DE SAC	-	-	-	2	-	2	
80+83	44.2' RT	CUL DE SAC	80+92	37.3' LT	CUL DE SAC	-	-	-	2	-	-	
25+52	36.5' RT	RIVER ROAD	25+75	27.7' LT	RIVER ROAD	-	2	-	-	-	2	
28+79	36.8' RT	CROSS ROAD	28+79	51.2' LT	CROSS ROAD	2	-	-	-	-	2	
					TOTAL	2	4	2	4	2	18	
TOTAL FROM DRIVEWAY CULVERT PIPES AND STRUCTURES SUMMARY						2		2			+	
					PROJECT TOTAL	4		4				

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

* ITEM FOUND IN DRIVEWAY CULVERT PIPES AND STRUCTURES SUMMARY.

** ITEM FOUND IN STORM SEWER PIPE ENDWALLS AND MARKERS SUMMARY. SEE STORM SEWER PIPE ENDWALLS AND MARKERS FOR PROJECT TOTAL.

+ SEE BELOW TABLE FOR ENDWALLS FOR CROSS PIPES AND MARKERS SUMMARY TOTAL. SEE STORM SEWER PIPE ENDWALLS AND MARKERS SUMMARY FOR PROJECT TOTAL.

ENDWALLS FOR CROSS PIPES AND MARKERS SUMMARY (CONTINUED)

END OF CULVERT PIPE LOCATIONS						* 522.2629 APRON ENDWALLS FOR CPRCHE 29X45-INCH	522.2634 APRON ENDWALLS FOR CPRCHE 34X53-INCH	522.2648 APRON ENDWALLS FOR CPRCHE 48X76-INCH	524.0636 APRON ENDWALLS FOR CULVERT PIPE SALVAGED 36-INCH	* 633.5200 MARKERS CULVERT END	
INLET LOCATION			END OF CULVERT PIPE LOCATIONS								
STATION	OFFSET	LOCATION	STATION	OFFSET	LOCATION	EACH	EACH	EACH		EACH	REMARKS
--	--	--	101+43	41.4' RT	STH 15 EB	-	-	-	1	1	CULVERT PIPE EXTENSION
--	--	--	101+54	39.2' RT	STH 15 EB	-	-	-	1	-	CULVERT PIPE EXTENSION
			100+97	90.7' LT	STH 15 WB	-	-	-	-	1	
158+99	60.7' RT	STH 15 EB	158+40	56.8' LT	STH 15 WB	-	-	2	-	2	INVERTS TO BE BURIED 6-INCHES BELOW STREAMBED
--	--	--	38+19	63.2' RT	USH 45 NB	-	-	-	1	2	CULVERT PIPE EXTENSION / PLACE MARKERS CULVERT END ON INLET AND OUTLET ENDS
--	--	--	43+18	65.1' RT	USH 45 NB	1	-	-	-	2	CULVERT PIPE EXTENSION / PLACE MARKERS CULVERT END ON INLET AND OUTLET ENDS
--	--	--	43+25	67.0' RT	USH 45 NB	1	-	-	-	-	CULVERT PIPE EXTENSION
25+08	39.5' RT	CROSS ROAD	25+08	24.5' LT	CROSS ROAD	-	2	-	-	2	
25+16	39.8' RT	CROSS ROAD	25+17	24.3' RT	CROSS ROAD	-	2	-	-	-	
					TOTAL	2	4	2	3	10	
									TOTAL FROM ABOVE TABLE	18	
									ENDWALLS FOR CROSS PIPES AND MARKERS SUMMARY TOTAL	28	

* SEE STORM SEWER PIPE ENDWALLS AND MARKERS SUMMARY FOR PROJECT TOTAL.

CROSS PIPES SUMMARY

END OF CULVERT PIPE LOCATIONS						+ 520.3330 CULVERT PIPE CLASS III-A 30-INCH	* 520.8000 CONCRETE COLLARS FOR PIPE	** 650.6000 CONSTRUCTION STAKING PIPE CULVERTS		INLET	OUTLET	
INLET LOCATION			OUTLET LOCATION									
STATION	OFFSET	LOCATION	STATION	OFFSET	LOCATION	LF	EACH	EACH	% SLOPE	ELEVATION	ELEVATION	REMARKS
101+52	63.9' RT	STH 15 EB	--	--	--	-	1	--	--	--	--	CULVERT PIPE EXTENSION
101+61	59.8' RT	STH 15 EB	--	--	--	-	1	--	--	--	--	CULVERT PIPE EXTENSION
38+18	45.2' RT	USH 45 NB	--	--	--	-	1	--	--	--	--	CULVERT PIPE EXTENSION
43+19	59.2' RT	USH 45 NB	--	--	--	-	1	--	--	--	--	CULVERT PIPE EXTENSION
43+27	61.1' RT	USH 45 NB	--	--	--	-	1	--	--	--	--	CULVERT PIPE EXTENSION
25+52	36.5' RT	RIVER ROAD	25+75	27.7' LT	RIVER ROAD	68	-	1	0.63	770.00	769.57	
					TOTAL	68	5	1	SUB-TOTAL			

\+ IF CORRUGATED STEEL OPTION IS USED, MINIMUM STEEL THICKNESS SHALL BE 0.079 INCHES.

* ITEM FOUND IN STORM SEWER PIPES SUMMARY. PROJECT TOTAL SHOWN UNDER STORM SEWER PIPES SUMMARY.

** PROJECT TOTAL SHOWN IN FINAL TABLE OF CROSS PIPES SUMMARY.

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

CROSS PIPES SUMMARY (CONTINUED)

END OF CULVERT PIPE LOCATIONS						520.3430 CULVERT PIPE CLASS III-A NON-METAL 30-INCH	520.3436 CULVERT PIPE CLASS III-A NON-METAL 36-INCH	522.0142 CPRC CLASS III 42-INCH	522.0424 CPRC CLASS IV 24-INCH	522.0436 CPRC CLASS IV 36-INCH	522.0518 CPRC CLASS V 18-INCH	* 650.6000 CONSTRUCTION STAKING PIPE CULVERTS		INLET	OUTLET	
INLET LOCATION			OUTLET LOCATION													
STATION	OFFSET	LOCATION	STATION	OFFSET	LOCATION	LF	LF	LF	LF	LF	LF	EACH	% SLOPE	ELEVATION	ELEVATION	REMARKS
101+52	63.9' RT	STH 15 EB	101+43	41.4' RT	STH 15 EB	-	-	-	-	24	-	1	0.54	769.80	769.67	CULVERT PIPE EXTENSION
101+61	59.8' RT	STH 15 EB	101+54	39.2' RT	STH 15 EB	-	-	-	-	22	-	1	1.32	769.80	769.51	CULVERT PIPE EXTENSION
118+35	74.0' RT	STH 15 EB	118+36	78.1' LT	STH 15 WB	212	-	-	-	-	-	1	2.11	776.48	772.00	
182+76	60.0' RT	STH 15 EB	182+47	61.7' LT	STH 15 WB	-	-	184	-	-	-	1	1.09	777.50	775.50	
196+89	65.8' RT	STH 15 EB	196+22	79.6' LT	STH 15 WB	-	216	-	-	-	-	1	1.94	782.20	778.00	
38+18	45.2' RT	USH 45 NB	38+19	63.2' RT	USH 45 NB	-	-	-	-	18	-	1	0.33	770.38	770.32	CULVERT PIPE EXTENSION
80+79	43.9' RT	WOLF RIVER RUN	80+88	37.6' LT	WOLF RIVER RUN	-	-	-	-	-	82	1	0.49	773.70	773.30	
80+83	44.2' RT	WOLF RIVER RUN	80+92	37.3' LT	WOLF RIVER RUN	-	-	-	-	-	82	1	0.49	773.70	773.30	
28+77	31.8' RT	CROSS ROAD	28+80	48.2' LT	CROSS ROAD	-	-	-	80	-	-	1	0.26	768.58	768.37	
					TOTAL	212	216	184	80	64	164	9	SUB-TOTAL			

* PROJECT TOTAL SHOWN IN FINAL TABLE OF CROSS PIPES SUMMARY.

CROSS PIPES SUMMARY (CONTINUED)

END OF CULVERT PIPE LOCATIONS						522.2329 CPRCHE CLASS HE-III 29X45-INCH	522.2348 CPRCHE CLASS HE-III 48X76-INCH	522.2434 CPRCHE CLASS HE-IV 34X53-INCH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS		INLET	OUTLET	
INLET LOCATION			OUTLET LOCATION										
STATION	OFFSET	LOCATION	STATION	OFFSET	LOCATION	LF	LF	LF	EACH	% SLOPE	ELEVATION	ELEVATION	REMARKS
158+99	60.7' RT	STH 15 EB	158+40	56.8' LT	STH 15 WB	-	178	-	1	1.57	767.80	765.00	INVERTS TO BE BURIED 6-INCHES BELOW STREAMBED
43+19	59.2' RT	USH 45 NB	43+18	65.1' RT	USH 45 NB	6	-	-	1	1.67	763.06	762.96	CULVERT PIPE EXTENSION
43+27	61.1' RT	USH 45 NB	43+25	67.0' RT	USH 45 NB	6	-	-	1	1.33	763.07	762.99	CULVERT PIPE EXTENSION
25+08	39.5' RT	CROSS ROAD	25+08	24.5' LT	CROSS ROAD	-	-	64	1	0.94	776.01	775.41	
25+17	39.8' RT	CROSS ROAD	25+17	24.3' LT	CROSS ROAD	-	-	64	1	1.09	775.97	775.27	
					TOTAL	12	178	128	5	SUB-TOTAL			
									15	PROJECT TOTAL			

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

STORM SEWER PIPE ENDWALLS AND MARKERS SUMMARY

STATION	OFFSET	LOCATION	520.1012 APRON ENDWALLS FOR CULVERT PIPE 12-INCH EACH	* 520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	** 522.1018 APRON ENDWALLS FOR CPRC 18-INCH EACH	522.1024 APRON ENDWALLS FOR CPRC 24-INCH EACH	*** 522.2629 APRON ENDWALLS FOR CPRCHE 29X45-INCH EACH	*** 633.5200 MARKERS CULVERT END EACH	**** 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	REMARKS
100+67	101.8' LT	STH 15 WB	1	-	-	-	-	1	1	
101+53	86.9' RT	STH 15 EB	-	-	1	-	-	1	1	
101+18	103.0' LT	STH 15 WB	-	-	-	-	1	1	1	
105+92	47.6' LT	STH 15 WB	-	-	-	1	-	1	1	
109+70	52.5' LT	STH 15 WB	-	-	1	-	-	1	1	
112+98	59.3' LT	STH 15 WB	-	1	-	-	-	1	1	
121+03	67.5' LT	STH 15 WB	-	1	-	-	-	1	1	
122+02	62.5' LT	STH 15 WB	-	-	1	-	-	1	1	
128+00	56.3' LT	STH 15 WB	-	1	-	-	-	1	1	
136+00	59.2' LT	STH 15 WB	-	1	-	-	-	1	1	
142+20	54.0' LT	STH 15 WB	-	-	1	-	-	1	1	
148+83	50.2' LT	STH 15 WB	-	-	1	-	-	1	1	
152+96	50.7' LT	STH 15 WB	-	-	1	-	-	1	1	
162+00	66.9' LT	STH 15 WB	-	1	-	-	-	1	1	
168+00	60.7' LT	STH 15 WB	-	1	-	-	-	1	1	
177+00	56.7' LT	STH 15 WB	-	1	-	-	-	1	1	
185+50	58.7' LT	STH 15 WB	-	1	-	-	-	1	1	
192+85	59.8' LT	STH 15 WB	-	1	-	-	-	1	1	
201+50	63.7' LT	STH 15 WB	-	1	-	-	-	1	1	
210+22	107.6' RT	STH 15 WB	-	-	1	-	-	1	1	
216+66	47.6' RT	STH 15 EB	-	-	1	-	-	1	1	
227+51	59.5' LT	STH 15 WB	-	1	-	-	-	1	1	
230+37	63.8' LT	STH 15 WB	-	1	-	-	-	1	1	
237+50	48.2' LT	STH 15 WB	-	-	1	-	-	1	1	
244+90	58.6' LT	STH 15 WB	-	1	-	-	-	1	1	
252+78	60.1' LT	STH 15 WB	-	1	-	-	-	1	1	
TOTAL			1	14	9	1	1	26	26	SUB-TOTAL
		TOTAL FROM CROSS PIPES AND MARKERS SUMMARY			4		2	28		TOTAL FROM ENDWALLS FOR CROSS PIPES AND MARKERS SUMMARY
	TOTAL FROM DRIVEWAY CULVERT PIPES AND STRUCTURES SUMMARY			14						
	PROJECT TOTAL		1	28	13	1	3	54		

* ITEM FOUND IN DRIVEWAY CULVERT PIPES AND STRUCTURES SUMMARY.
** ITEM FOUND IN CROSS PIPES AND MARKERS SUMMARY.
*** ITEM FOUND IN ENDWALLS FOR CROSS PIPES AND MARKERS SUMMARY.
**** PROJECT TOTAL FOUND IN STORM SEWER STRUCTURES, COVERS, AND GRATES SUMMARY

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

STORM SEWER PIPES SUMMARY (CIRCULAR)

FROM STRUCTURE	TO STRUCTURE	INLET ELEVATION	DISCHARGE ELEVATION	% SLOPE	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	522.0418 CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.3012 STORM SEWER PIPE CLASS III-A 12-INCH LF	608.3018 STORM SEWER PIPE CLASS III-A 18-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0005 STORM SEWER ROCK EXCAVATION CY	REMARKS
43	EXISTING CULVERT	767.44	765.32	14.99	1	-	-	-	14	-	-	-	-	EXISTING CULVERT IS 29"X45" CPRCHE
43.1	43	767.90	767.44	3.96	-	-	-	-	12	-	-	-	-	
43.2	43	767.54	767.44	1.00	-	-	-	-	10	-	-	-	-	
EXISTING 12" PIPE	48	760.21	760.04	2.12	1	-	-	-	8	-	-	-	-	
48	EXISTING 18' PIPE	760.04	759.49	6.87	1	-	-	-	-	8	-	-	-	
100.1	100	769.89	769.50	0.50	-	-	77	-	-	-	-	-	-	
101.1	101	771.87	771.00	1.41	-	-	-	-	-	62	-	-	-	
101.2	101.1	772.00	771.87	0.48	-	-	-	-	-	27	-	-	-	
EXISTING INLET	101.2	773.53	772.50	1.93	-	-	-	-	53	-	-	-	-	
104	103	769.48	769.22	0.20	-	-	-	-	-	-	-	131	-	
104.1	104	771.59	771.48	0.96	-	-	-	-	11	-	-	-	-	
105	104	769.56	769.48	0.20	-	-	-	-	-	-	-	41	-	
105.1	105	770.67	770.56	0.96	-	-	-	-	11	-	-	-	-	
106	105	769.70	769.56	0.50	-	-	-	-	-	-	28	-	-	
106.1	106	770.37	769.96	1.00	-	-	-	-	41	-	-	-	-	
106.2	106	770.22	769.96	1.00	-	-	-	-	26	-	-	-	-	
107	106	769.76	769.70	0.55	-	-	-	-	-	-	11	-	-	
107.1	107	771.02	770.76	1.00	-	-	-	-	26	-	-	-	-	
107.2	107	771.02	770.76	1.00	-	-	-	-	26	-	-	-	-	
108	105	771.36	769.56	0.90	-	-	-	-	-	-	199	-	-	
110.1	110	773.62	773.33	0.50	-	-	-	-	-	58	-	-	-	
110.2	110.1	773.71	773.62	0.97	-	-	-	-	-	9	-	-	-	
113.1	113	775.88	775.00	0.92	-	-	-	96	-	-	-	-	-	
120.1	120	779.41	779.00	0.50	-	-	-	83	-	-	-	-	-	
120.2	120.1	780.05	779.91	1.02	-	-	14	-	-	-	-	-	-	
122.1	122	781.31	780.86	0.50	-	-	-	-	-	90	-	-	-	
122.2	122.1	781.96	781.81	1.01	-	-	-	-	15	-	-	-	-	
128.1	128	777.43	777.00	0.50	-	-	-	86	-	-	-	-	-	
136.1	136	767.44	767.00	0.50	-	-	-	88	-	-	-	-	-	
142.1	142	763.30	762.50	1.00	-	80	-	-	-	-	-	-	-	
149.1	149	764.40	763.96	0.50	-	88	-	-	-	-	-	-	-	
153.1	153	766.39	765.98	0.50	-	82	-	-	-	-	-	-	-	
161.1	161	767.94	767.43	0.50	-	-	-	102	-	-	-	-	-	
168.1	168	773.45	773.00	0.50	-	-	-	90	-	-	-	-	-	
177.1	177	777.43	777.00	0.50	-	-	-	86	-	-	-	-	-	
185.1	185	780.44	780.00	0.50	-	-	-	88	-	-	-	-	-	
193.1	193	783.67	783.00	0.73	-	-	-	92	-	-	-	-	-	
201.1	201	791.95	791.50	0.50	-	-	-	90	-	-	-	-	-	
210.1	210	813.15	812.86	0.37	-	78	-	-	-	-	-	-	57	
216.1	216	822.32	821.94	0.50	-	76	-	-	-	-	-	-	55	
227.1	227	817.35	816.92	0.50	-	-	-	86	-	-	-	-	-	
231.1	231	813.42	812.76	0.52	-	-	-	128	-	-	-	-	-	
237.1	237	807.19	806.77	0.50	-	84	-	-	-	-	-	-	-	
245.1	245	801.35	800.89	0.50	-	-	-	92	-	-	-	-	-	
252.1	252	803.57	802.72	0.44	-	-		192	-	-	-	-	-	
				TOTAL	3	488	91	1399	253	254	238	172	112	
				TOTAL FROM CROSS PIPES SUMMARY	5									
				PROJECT TOTAL	8									

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

* ITEM FOUND IN CROSS PIPES SUMMARY.

STORM SEWER PIPES SUMMARY (ELLIPTICAL)

FROM STRUCTURE	TO STRUCTURE	INLET ELEVATION	DISCHARGE ELEVATION	% SLOPE	608.2429 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH LF	SPV.0060.03 CONNECT STORM SEWER PIPE TO EXISTING CULVERT EACH	REMARKS
43	EXISTING CULVERT	767.00	765.66	9.36	-	1	EXISTING CULVERT IS 29"X45" CPRCHE
103	102	769.22	768.92	0.22	136	-	
		TOTAL			136	1	

ADJUSTING INLET COVERS SUMMARY

STATION	OFFSET	LOCATION	611.8115 ADJUSTING INLET COVERS EACH	REMARKS
41+05	63.0' LT	USH 45 SB	1	CURB REMOVAL & REPLACEMENT AT INLET LOCATION
		TOTAL	1	

PIPE UNDERDRAIN WRAPPED 6-INCH AND CONNECT STORM SEWER PIPE TO EXISTING INLET SUMMARY

STATION	TO	STATION	OFFSET	LOCATION	612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH LF	SPV.0060.02 CONNECT UNDERDRAIN PIPE TO PROPOSED INLET OR CATCH BASIN EACH	REMARKS
103+46	--	103+56	12.9' RT	STH 15 WB	10	1	
103+59	--	103+69	12.9' RT	STH 15 WB	10	1	
103+84	--	103+94	29.5' LT	STH 15 WB	10	1	
103+97	--	104+07	29.5' LT	STH 15 WB	10	1	
103+87	--	103+97	1.5' LT	STH 15 EB	10	1	
104+02	--	104+12	1.5' LT	STH 15 EB	10	1	
				TOTAL	60	6	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

STORM SEWER STRUCTURES, COVERS, AND GRATES SUMMARY (CONTINUED)

STRUCTURE NUMBER	STATION	OFFSET	LOCATION	+ RIM ELEVATION	611.1005 CATCH BASINS 5-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	** 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	++ DEPTH IN FEET	REMARKS
43	43+19	12.6' LT	USH 45 NB	770.58	-	-	-	-	1	-	-	-	1	3.14	
43.1	43+16	1.3' LT	USH 45 NB	771.15	-	-	-	-	-	1	-	-	1	3.25	
43.2	43+09	12.0' LT	USH 45 NB	770.78	-	-	-	-	-	1	-	-	1	3.24	
48	48+02	1.3' LT	USH 45 NB	763.90	-	-	-	-	-	1	-	-	1	3.86	
100.1	100+75	24.8' LT	STH 15 WB	776.13	-	-	-	1	-	-	-	-	1	6.24	
101.1	101+15	38.8' RT	STH 15 EB	776.14	-	-	-	-	1	-	-	-	1	4.27	
101.2	100+88	44.2' RT	STH 15 EB	776.73	-	-	-	-	1	-	-	-	1	4.73	
103	102+24	18.0' LT	STH 15 WB	775.04	-	-	1	-	-	-	-	-	1	5.82	
104	103+55	18.0' LT	STH 15 WB	774.45	-	1	-	-	-	-	-	-	1	4.97	
104.1	103+55	29.5' LT	STH 15 WB	774.24	-	-	-	-	-	1	-	-	1	2.65	
105	103+95	18.0' LT	STH 15 WB	774.41	-	-	1	-	-	-	-	-	1	4.85	
105.1	103+95	29.5' LT	STH 15 WB	774.21	-	-	-	-	-	1	-	-	1	3.54	
106	103+98	9.6' RT	STH 15 WB	774.13	1	-	-	-	-	-	-	-	1	4.43	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
106.1	103+57	12.9' RT	STH 15 WB	774.09	-	-	-	-	-	1	-	-	1	3.72	
106.2	104+24	7.6' RT	STH 15 WB	774.19	-	-	-	-	-	1	-	-	1	3.97	
107	103+99	1.5' LT	STH 15 EB	774.30	1	-	-	-	-	-	-	-	1	4.54	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
107.1	103+73	1.5' LT	STH 15 EB	774.32	-	-	-	-	-	1	-	-	1	3.30	
107.2	104+25	1.5' LT	STH 15 EB	774.32	-	-	-	-	-	1	-	-	1	3.30	
110.1	109+70	5.5' RT	STH 15 WB	778.52	-	-	-	-	-	1	-	-	1	4.90	
110.2	109+68	7.8' LT	STH 15 WB	778.22	-	-	-	-	-	1	-	-	1	4.51	
113.1	113+49	22.6' RT	STH 15 WB	780.03	-	-	-	-	1	-	-	-	1	4.15	
120.1	121+03	15.1' RT	STH 15 WB	785.56	-	-	-	-	1	-	-	-	1	6.15	
120.2	120+98	27.9' RT	STH 15 WB	785.07	-	-	-	-	1	-	-	-	1	5.02	
122.1	121+87	25.9' RT	STH 15 WB	785.13	-	-	-	-	1	-	-	-	1	3.82	
122.2	121+88	40.7' RT	STH 15 WB	785.48	-	-	-	-	1	-	-	-	1	3.52	
128.1	128+00	29.7' RT	STH 15 WB	779.75	-	-	-	-	-	-	1	-	1	2.32	INLET COVER - SINGLE SLOPE
136.1	136+00	28.8' RT	STH 15 WB	769.85	-	-	-	-	-	-	1	-	1	2.41	INLET COVER - SINGLE SLOPE
142.1	142+20	25.7' RT	STH 15 WB	765.69	-	-	-	-	-	-	-	1	1	2.39	INLET COVER - NO SLOPE
149.1	148+83	37.8' RT	STH 15 WB	768.95	-	-	-	-	-	-	1	-	1	4.55	INLET COVER - NO SLOPE
153.1	152+96	31.1' RT	STH 15 WB	769.97	-	-	-	-	-	-	1	-	1	3.58	INLET COVER - NO SLOPE
161.1	162+00	35.1' RT	STH 15 WB	774.14	-	-	-	-	-	-	1	-	1	6.20	INLET COVER - NO SLOPE
168.1	168+00	29.3' RT	STH 15 WB	775.97	-	-	-	-	-	-	1	-	1	2.52	INLET COVER - SINGLE SLOPE
177.1	177+00	29.3' RT	STH 15 WB	779.57	-	-	-	-	-	-	1	-	1	2.14	INLET COVER - SINGLE SLOPE
185.1	185+50	29.3' RT	STH 15 WB	782.97	-	-	-	-	-	-	1	-	1	2.53	INLET COVER - SINGLE SLOPE
193.1	192+85	32.2' RT	STH 15 WB	786.42	-	-	-	-	-	-	1	-	1	2.75	INLET COVER - NO SLOPE
201.1	201+50	26.3' RT	STH 15 WB	794.51	-	-	-	-	-	-	1	-	1	2.56	INLET COVER - SINGLE SLOPE
210.1	210+22	29.6' RT	STH 15 WB	815.49	-	-	-	-	-	-	1	-	1	2.34	INLET COVER - SINGLE SLOPE
216.1	216+66	28.4' LT	STH 15 EB	825.22	-	-	-	-	-	-	1	-	1	2.90	INLET COVER - NO SLOPE
227.1	227+51	26.5' RT	STH 15 WB	820.34	-	-	-	-	-	-	1	-	1	2.99	INLET COVER - SINGLE SLOPE
231.1	231+28	26.9' RT	STH 15 WB	816.41	1	-	-	-	-	-	-	-	1	2.99	INLET COVER - NO SLOPE
237.1	237+50	35.7' RT	STH 15 WB	809.32	-	-	-	-	-	-	1	-	1	2.13	INLET COVER - SINGLE SLOPE
243.1	243+24	33.7' RT	STH 15 WB	-	-	-	-	-	-	-	-	*	--	-	
245.1	244+90	33.5' RT	STH 15 WB	804.29	-	-	-	-	-	-	1	-	1	2.94	INLET COVER - NO SLOPE
252.1	251+10	33.7' RT	STH 15 WB	806.30	-	-	-	-	-	-	1	-	1	2.73	INLET COVER - SINGLE SLOPE
			PROJECT TOTAL		3	1	2	1	8	11	16	1	43	SUB-TOTAL	
													26	TOTAL FROM STORM SEWER PIPE ENDWALLS & MARKERS SUMMARY	
													69	PROJECT TOTAL	

* QUANTITY INCLUDED IN STRUCTURE PLAN C-44-123

** ITEM FOUND IN STORM SEWER PIPE ENDWALLS AND MARKERS SUMMARY.

\+ RIM ELEVATION SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLANGELINE OF CURB AND GUTTER OR BOTTOM OF DITCH.

++ DEPTH SHOWN IS RIM ELEVATION SUBTRACTED FROM THE INLET ELEVATION IN STORM SEWER SUMMARY.

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

STORM SEWER STRUCTURES, COVERS, AND GRATES SUMMARY

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

STRUCTURE NUMBER	STATION	OFFSET	LOCATION	+ RIM ELEVATION	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0606 INLET COVERS TYPE B EACH	611.0627 INLET COVERS TYPE HM EACH	611.0630 INLET COVERS TYPE HM-GJ EACH	611.0636 INLET COVERS TYPE HM-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	REMARKS
43	43+19	12.6' LT	USH 45 NB	770.58	-	-	-	1	-	-	-	
43.1	43+16	1.3' LT	USH 45 NB	771.15	-	-	-	1	-	-	-	
43.2	43+09	12.0' LT	USH 45 NB	770.78	-	-	-	1	-	-	-	
48	48+02	1.3' LT	USH 45 NB	763.90	-	-	-	1	-	-	-	
100.1	100+75	24.8' LT	STH 15 WB	776.13	-	-	-	-	-	-	1	
101.1	101+15	38.8' RT	STH 15 EB	776.14	-	-	-	-	-	-	1	
101.2	100+88	44.2' RT	STH 15 EB	776.73	-	-	-	-	-	-	1	
103	102+24	18.0' LT	STH 15 WB	775.04	1	-	-	-	-	-	-	
104	103+55	18.0' LT	STH 15 WB	774.45	1	-	-	-	-	-	-	
104.1	103+55	29.5' LT	STH 15 WB	774.24	-	-	1	-	-	-	-	
105	103+95	18.0' LT	STH 15 WB	774.41	1	-	-	-	-	-	-	
105.1	103+95	29.5' LT	STH 15 WB	774.21	-	-	-	-	1	-	-	
106	103+98	9.6' RT	STH 15 WB	774.13	-	-	1	-	-	-	-	
106.1	103+57	12.9' RT	STH 15 WB	774.09	-	-	-	-	1	-	-	
106.2	104+24	7.6' RT	STH 15 WB	774.19	-	-	1	-	-	-	-	
107	103+99	1.5' LT	STH 15 EB	774.30	-	-	-	-	1	-	-	
107.1	103+73	1.5' LT	STH 15 EB	774.32	-	-	1	-	-	-	-	
107.2	104+25	1.5' LT	STH 15 EB	774.32	-	-	1	-	-	-	-	
110.1	109+70	5.5' RT	STH 15 WB	778.52	-	-	1	-	-	-	-	
110.2	109+68	7.8' LT	STH 15 WB	778.22	-	-	1	-	-	-	-	
113.1	113+49	22.6' RT	STH 15 WB	780.03	-	1	-	-	-	-	-	
120.1	121+03	15.1' RT	STH 15 WB	785.56	-	-	1	-	-	-	-	
120.2	120+98	27.9' RT	STH 15 WB	785.07	-	-	-	-	1	-	-	
122.1	121+87	25.9' RT	STH 15 WB	785.13	-	-	-	-	1	-	-	
122.2	121+88	40.7' RT	STH 15 WB	785.48	-	-	1	-	-	-	-	
128.1	128+00	29.7' RT	STH 15 WB	779.75	-	-	-	-	-	1	-	INLET COVER - SINGLE SLOPE
136.1	136+00	28.8' RT	STH 15 WB	769.85	-	-	-	-	-	1	-	INLET COVER - SINGLE SLOPE
142.1	142+20	25.7' RT	STH 15 WB	765.69	-	-	-	-	-	2	-	INLET COVERS - NO SLOPE
149.1	148+83	37.8' RT	STH 15 WB	768.95	-	-	-	-	-	1	-	INLET COVER - NO SLOPE
153.1	152+96	31.1' RT	STH 15 WB	769.97	-	-	-	-	-	1	-	INLET COVER - NO SLOPE
161.1	162+00	35.1' RT	STH 15 WB	774.14	-	-	-	-	-	1	-	INLET COVER - NO SLOPE
168.1	168+00	29.3' RT	STH 15 WB	775.97	-	-	-	-	-	1	-	INLET COVER - SINGLE SLOPE
177.1	177+00	29.3' RT	STH 15 WB	779.57	-	-	-	-	-	1	-	INLET COVER - SINGLE SLOPE
185.1	185+50	29.3' RT	STH 15 WB	782.97	-	-	-	-	-	1	-	INLET COVER - SINGLE SLOPE
193.1	192+85	32.2' RT	STH 15 WB	786.42	-	-	-	-	-	1	-	INLET COVER - NO SLOPE
201.1	201+50	26.3' RT	STH 15 WB	794.51	-	-	-	-	-	1	-	INLET COVER - SINGLE SLOPE
210.1	210+22	29.6' RT	STH 15 WB	815.49	-	-	-	-	-	1	-	INLET COVER - SINGLE SLOPE
216.1	216+66	28.4' LT	STH 15 EB	825.22	-	-	-	-	-	1	-	INLET COVER - NO SLOPE
227.1	227+51	26.5' RT	STH 15 WB	820.34	-	-	-	-	-	1	-	INLET COVER - SINGLE SLOPE
231.1	231+28	26.9' RT	STH 15 WB	816.41	-	-	-	-	-	1	-	INLET COVER - NO SLOPE
237.1	237+50	35.7' RT	STH 15 WB	809.32	-	-	-	-	-	1	-	INLET COVER - SINGLE SLOPE
243.1	243+24	33.7' RT	STH 15 WB	-	-	-	-	-	-	*	-	
245.1	244+90	33.5' RT	STH 15 WB	804.29	-	-	-	-	-	1	-	INLET COVER - NO SLOPE
252.1	251+10	33.7' RT	STH 15 WB	806.30	-	-	-	-	-	1	-	INLET COVER - NO SLOPE
	TOTAL				3	1	9	4	5	19	3	

* QUANTITY INCLUDED IN STRUCTURE PLAN C-44-123

\+ RIM ELEVATION SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR INLETS ARE AT FLOWLINE OF CURB AND GUTTER OR BOTTOM OF DITCH.

CURB AND GUTTER SUMMARY

STATION	TO	STATION	LOCATION	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0415 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J LF	601.0553 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D	601.0555 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	REMARKS
100+84	--	101+15	STH 15 EB	--	--	--	--	86	86	PORKCHOP ISLAND, RT
100+47	--	100+75	STH 15 WB	--	--	--	--	51	51	PORKCHOP ISLAND, LT
101+27	--	101+80	STH 15 EB	--	--	--	--	95	95	INTERSECTION RADII RT
100+33	--	106+00	STH 15 WB	--	--	--	--	578	579	INTERSECTION RADII LT AND MAINLINE LT
101+09	--	108+57	STH 15 EB	--	--	--	1,101	396	396	BOTH SIDES OF SPLITTER ISLAND
103+34	--	105+85	STH 15 WB LT	251	--	--	--	--	252	DRIVEWAY/PARKING LOT
109+68	--	114+26	STH 15 EB	--	--	--	809	34	34	BOTH SIDES OF SPLITTER ISLAND
120+49	--	121+05	STH 15 EB	--	--	95	--	--	95	NORTH MEDIAN OPENING
121+85	--	122+29	STH 15 EB	--	--	94	--	--	94	SOUTH MEDIAN OPENING
146+81	--	147+29	STH 15 EB	--	--	94	--	--	94	NORTH MEDIAN OPENING
148+11	--	148+67	STH 15 EB	--	--	93	--	--	93	SOUTH MEDIAN OPENING
231+30	--	231+77	STH 15 EB	--	--	94	--	--	94	NORTH MEDIAN OPENING
232+59	--	233+16	STH 15 EB	--	--	95	--	--	95	SOUTH MEDIAN OPENING
39+00	--	39+10	USH 45	--	20				20	BOTH SIDES OF SPLITTER ISLAND - NOTE GUTTER SLOPE ON INTERSECTION DETAILS SHEET
39+40	--	39+41	USH 45	--	3	--	--	--	3	BOTH SIDES OF SPLITTER ISLAND - NOTE GUTTER SLOPE ON INTERSECTION DETAILS SHEET
40+95	--	41+07	USH 45	--	19	--	--	--	19	BOTH SIDES OF PORKCHOP ISLAND - NOTE GUTTER SLOPE ON INTERSECTION DETAILS SHEET
40+72	--	43+57	USH 45	--	566	--	--	--	567	BOTH SIDES OF SPLITTER ISLAND
43+91	--	50+50	USH 45	--	852	--	--	--	853	BOTH SIDES OF SPLITTER ISLAND
20+96	--	21+56	RIVER ROAD	--	--	--	--	150	150	INTERSECTION RADII, LT & RT
28+50	--	29+10	CROSS ROAD	--	--	--	--	148	148	INTERSECTION RADII
49+19	--	49+78	LEDGE HILL ROAD	--	--	--	--	144	144	INTERSECTION RADII
18+30	--	19+04	KELLY DRIVE	--	--	--	--	158	158	INTERSECTION RADII
80+51	--	81+11	WOLF RIVER RUN	--	--	--	--	150	150	INTERSECTION RADII
			TOTAL	**251**	**1,460**	**565**	**1,910**	**1,990**	**4,270**	

CONCRETE SIDEWALK SUMMARY

STATION	TO	STATION	LOCATION	602.0405 CONCRETE SIDEWALK 4-INCH SF	REMARKS
100+86	--	101+15	STH 15 EB	479	PORKCHOP ISLAND RT
100+49	--	100+75	STH 15 WB	145	PORKCHOP ISLAND LT
101+09	--	108+57	STH 15 EB	6,084	SPLITTER ISLAND
40+72	--	43+63	USH 45	2,160	SPLITTER ISLAND
43+85	--	44+37	USH 45	642	SPLITTER ISLAND
			TOTAL	**9,510**	

MAINTENANCE AND REPAIR OF HAUL ROADS SUMMARY

PROJECT	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS EACH	REMARKS
1146-75-73	1	
TOTAL	**1**	

CONCRETE MEDIAN SLOPED NOSE

STATION	OFFSET	LOCATION	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	REMARKS
39+44	28.1' LT	USH 45 NB	23	TYPE 2
40+66	6.0' LT	USH 45 NB	80	TYPE 1
100+47	29.8' LT	STH 15 WB	20	TYPE 2
100+51	16.8' LT	STH 15 WB	23	TYPE 2
100+78	20.7' LT	STH 15 WB	29	TYPE 2
100+84	32.3' RT	STH 15 EB	22	TYPE 2
101+01	66.7' RT	STH 15 EB	24	TYPE 2
101+17	32.6' RT	STH 15 EB	23	TYPE 2
101+02	6.3' LT	STH 15 EB	55	TYPE 1
108+64	5.0' RT	STH 15 WB	70	TYPE 1
109+60	7.8' RT	STH 15 WB	67	TYPE 1
121+12	21.9' RT	STH 15 WB	67	TYPE 1
121+78	33.0' RT	STH 15 WB	72	TYPE 1
147+24	25.7' RT	STH 15 WB	70	TYPE 1
147+91	38.4' RT	STH 15 WB	67	TYPE 1
231+84	25.1' RT	STH 15 WB	71	TYPE 1
232+53	38.1' RT	STH 15 WB	67	TYPE 1
		TOTAL	**850**	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

TEMPORARY EROSION CONTROL SUMMARY

STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	* 628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7560 TRACKING PADS EACH	** 628.7570 ROCK BAGS EACH	REMARKS
--	--	101+43	STH 15 EB RT	--	--	--	--	--	--	7	--	--	--
--	--	101+54	STH 15 EB RT	--	--	--	--	--	--	7	--	--	--
101+80	--	121+49	STH 15 EB	--	--	6	--	5	36	--	--	--	--
101+85	--	121+49	STH 15 WB	356	89	7	--	7	72	--	--	20	--
--	--	109+63	STH 15 WB LT	--	--	--	--	--	--	4	--	--	2 CULVERTS
--	--	113+27	STH 15 EB RT	--	--	--	--	--	--	2	--	--	--
--	--	116+42	STH 15 WB LT	--	--	--	--	--	--	2	--	--	--
--	--	118+35	STH 15 EB RT	--	--	--	--	--	--	6	--	--	--
121+49	--	147+65	STH 15 EB	178	45	4	--	1	18	--	--	--	--
121+49	--	147+52	STH 15 WB	753	188	1	--	1	18	--	--	20	--
147+65	--	232+16	STH 15 EB	199	50	12	--	--	126	--	--	52	
147+52	--	232+16	STH 15 WB	4062	1014	--	--	--	270	--	--	80	--
--	--	128+82	STH 15 EB RT	--	--	--	--	--	--	2	--	--	--
--	--	135+44	STH 15 WB LT	--	--	--	--	--	--	2	--	--	--
--	--	147+76	STH 15 WB LT	--	--	--	--	--	--	2	--	--	--
--	--	158+99	STH 15 EB RT	--	--	--	--	--	--	15	--	--	--
--	--	160+88	STH 15 WB LT	--	--	--	--	--	--	5	--	--	--
--	--	161+23	STH 15 EB RT	--	--	--	--	--	--	7	--	--	--
--	--	168+91	STH 15 WB LT	--	--	--	--	--	--	2	--	--	--
--	--	173+99	STH 15 EB RT	--	--	--	--	--	--	5	--	--	--
--	--	175+83	STH 15 WB LT	--	--	--	--	--	--	2	--	--	--
--	--	178+08	STH 15 EB RT	--	--	--	--	--	--	2	--	--	--
--	--	182+76	STH 15 EB RT	--	--	--	--	--	--	9	--	--	--
--	--	186+28	STH 15 EB RT	--	--	--	--	--	--	5	--	--	--
--	--	192+28	STH 15 EB RT	--	--	--	--	--	--	2	--	--	--
--	--	195+17	STH 15 WB LT	--	--	--	--	--	--	2	--	--	--
--	--	196+89	STH 15 EB RT	--	--	--	--	--	--	7	--	--	--
--	--	215+97	STH 15 EB RT	--	--	--	--	--	--	2	--	--	--
--	--	216+37	STH 15 WB LT	--	--	--	--	--	--	2	--	--	--
--	--	218+81	STH 15 EB RT	--	--	--	--	--	--	2	--	--	--
--	--	222+66	STH 15 WB LT	--	--	--	--	--	--	2	--	--	--
--	--	225+90	STH 15 EB RT	--	--	--	--	--	--	12	--	--	--
--	--	226+03	STH 15 WB LT	--	--	--	--	--	--	2	--	--	--
--	--	235+43	STH 15 WB LT	--	--	--	--	--	--	2	--	--	--
232+16	--	256+00	STH 15 EB	103	26	4	--	--	18	--	--	--	--
--	--	245+87	STH 15 EB RT	--	--	--	--	--	--	2	--	--	--
--	--	250+66	STH 15 WB LT	--	--	--	--	--	--	2	--	--	--
--	--	250+76	STH 15 EB RT	--	--	--	--	--	--	2	--	--	--
232+16	--	255+77	STH 15 WB	92	23	--	--	--	18	--	--	--	--
34+00	--	53+03	USH 45	973	243	7	3	21	54	--	--	--	--
--	--	43+55	USH 45 LT	--	--	--	--	--	--	18	--	--	2 CULVERTS
81+00	--	83+61	WOLF RIVER RUN	671	168	--	--	--	--	--	--	--	--
21+38	--	27+68	RIVER ROAD	640	160	--	--	--	--	--	--	--	--
--	--	25+52	RIVER ROAD RT	--	--	--	--	--	--	6	--	--	--
--	--	28+51	RIVER ROAD LT	--	--	--	--	--	--	5	--	--	--
17+00	--	28+50	CROSS ROAD	39	10	--	--	--	216	--	--	--	--
--	--	19+71	CROSS ROAD LT	--	--	--	--	--	--	2	--	--	--
--	--	22+79	CROSS ROAD RT	--	--	--	--	--	--	2	--	--	--
--	--	25+03	CROSS ROAD RT	--	--	--	--	--	--	12	--	--	--
--	--	28+79	CROSS ROAD RT	--	--	--	--	--	--	6	--	--	--
42+00	--	49+40	LEDGE HILL ROAD	460	115	--	--	--	108	--	--	--	--
--	--	42+82	LEDGE HILL ROAD RT	--	--	--	--	--	--	2	--	--	--
--	--	46+65	LEDGE HILL ROAD RT	--	--	--	--	--	--	2	--	--	--
--	--	46+94	LEDGE HILL ROAD RT	--	--	--	--	--	--	2	--	--	--
16+26	--	18+30	KELLY DRIVE	--	--	--	--	--	234	--	--	--	--
--	--	16+29	KELLY DRIVE LT	--	--	--	--	--	--	2	--	--	--
--	--	17+51	KELLY DRIVE RT	--	--	--	--	--	--	2	--	--	--
100+67	--	104+24	GIVENS ROAD	650	650	--	--	--	--	--	--	--	SALT SHED SITE
--	--	--	UNDISTRIBUTED	2124	--	--	--	--	322	52	8	48	--
			TOTALS	**11,300**	**2,780**	**41**	**3**	**35**	**1,510**	**240**	**8**	**220**	

* ESTIMATED 18 LF PER LOCATION.

** ESTIMATED 20 BAGS PER SILT FENCE RELIEF LOCATION AND 4 BAGS PER ROCK BAGS DITCH CHECK LOCATION.

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

PERMANENT EROSION CONTROL

STATION	TO	STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	627.0200 MULCHING SY	628.2002 EROSION MAT CLASS I TYPE A SY	628.2004 EROSION MAT CLASS I TYPE B * SY	628.2008 EROSION MAT URBAN CLASS I TYPE B ** SY	628.7515.S STONE DITCH CHECKS NUMBER OF DITCH CHECKS	628.7515.S *** CY	645.0120 GEOTEXTILE TYPE HR SY	645.0130 GEOTEXTILE TYPE R **** SY	REMARKS
100+89	--	--	STH 15 WB LT	52	--	--	--	--	--	--	104	--	--
101+72	--	--	STH 15 EB RT	120	--	--	--	--	--	--	240	--	
101+80	--	121+49	STH 15 EB	93	13,169	--	159	724	--	--	186	--	INCLUDES MEDIAN
101+85	--	121+49	STH 15 WB	--	7,821	--	57	--	1	23	--	68	--
110+00	--	--	STH 15 WB LT	19	--	--	--	--	--	--	38	--	--
113+00	--	--	STH 15 WB LT	7	--	--	--	--	--	--	14	--	--
120+69	--	--	STH 15 WB LT	8	--	--	--	--	--	--	16	--	--
121+49	--	147+65	STH 15 EB	191	24,408	--	1,394	--	4	90	381	270	INCLUDES MEDIAN
121+49	--	147+52	STH 15 WB	82	12,130	--	931	--	4	90	165	270	--
122+04	--	--	STH 15 WB LT	14	--	--	--	--	--	--	28	--	--
128+00	--	--	STH 15 WB LT	3	--	--	--	--	--	--	6	--	--
142+20	--	--	STH 15 WB LT	10	--	--	--	--	--	--	21	--	--
147+65	--	232+16	STH 15 EB	94	81,717	1,959	2,854	--	7	158	187	473	INCLUDES MEDIAN
147+52	--	232+16	STH 15 WB	--	28,258	22,174	803	--	5	113	--	338	--
148+91	--	--	STH 15 WB LT	3	--	--	--	--	--	--	6	--	--
152+96	--	--	STH 15 WB LT	3	--	--	--		--	--	6	--	--
158+38	--	--	STH 15 WB LT	77	--	--	--	--	--	--	153	--	--
159+00	--	--	STH 15 EB RT	75	--	--	--	--	--	--	150	--	--
160+27	--	--	STH 15 WB LT	2	--	--	--	--	--	--	4	--	--
168+00	--	--	STH 15 WB LT	3	--	--	--	--	--	--	7	--	--
173+20	--	--	STH 15 EB RT	9	--	--	--	--	--	--	18	--	--
177+00	--	--	STH 15 WB LT	2	--	--	--	--	--	--	3	--	--
182+43	--	--	STH 15 WB LT	49	--	--	--	--	--	--	98	--	--
185+50	--	--	STH 15 WB LT	6	--	--	--	--	--	--	12	--	--
185+70	--	--	STH 15 EB RT	9	--	--	--	--	--	--	18	--	--
191+73	--	--	STH 15 EB RT	5	--	--	--	--	--	--	10	--	--
192+85	--	--	STH 15 WB LT	5	--	--	--	--	--	--	11	--	--
196+22	--	--	STH 15 WB LT	40	--	--	--	--	--	--	79	--	--
197+00	--	197+60	STH 15 EB RT	58	--	--	--	--	--	--	115	--	--
201+50	--	--	STH 15 WB LT	20	--	--	--	--	--	--	39	--	--
210+00	--	--	STH 15 WB LT	34	--	--	--	--	--	--	67	--	--
216+66	--	--	STH 15 EB RT	3	--	--	--	--	--	--	6	--	--
226+53	--	--	STH 15 EB RT	72	--	--	--	--	--	--	144	--	--
226+30	--	228+72	STH 15 EB RT	146	--	--	--	--	--	--	291	--	--
227+51	--	--	STH 15 WB LT	5	--	--	--	--	--	--	11	--	--
230+32	--	--	STH 15 WB LT	8	--	--	--	--	--	--	17	--	--
232+16	--	256+00	STH 15 EB	149	23,342	--	1,978	--	1	23	298	68	INCLUDES MEDIAN
232+16	--	255+77	STH 15 WB	--	8,845	--	1,218	--	1	23	--	68	--
236+16	--	--	STH 15 WB LT	5	--	--	--	--	--	--	10	--	--
237+50	--	--	STH 15 WB LT	3	--	--	--	--	--	--	5	--	--
244+90	--	--	STH 15 WB LT	3	--	--	--	--	--	--	6	--	--
252+84	--	--	STH 15 WB LT	8	--	--	--	--	--	--	16	--	--
			SUB-TOTAL	1,492	199,691	24,133	9,393	724	23	518	2,985	1,553	

* ESTIMATED THAT EROSION MAT CLASS I TYPE B IS 8 FEET WIDE.

** ESTIMATED THAT EROSION MAT URBAN CLASS I TYPE B IS 8 FEET WIDE WHEN SHOWN AS SINGLE LINE OF HATCH ON PLANS.

*** ESTIMATED THAT STONE OR ROCK DITCH CHECK IS 22.5 CY PER DITCH CHECK.

**** ESTIMATED THAT GEOTEXTILE TYPE R IS 67.5 SY PER DITCH CHECK.

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

PERMANENT EROSION CONTROL (CONTINUED)

STATION	TO	STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	627.0200 MULCHING SY	628.2002 EROSION MAT CLASS I TYPE A SY	628.2004 EROSION MAT CLASS I TYPE B * SY	628.2008 EROSION MAT URBAN CLASS I TYPE B ** SY	628.7515.S STONE DITCH CHECKS NUMBER OF DITCH CHECKS	628.7515.S STONE DITCH CHECKS *** CY	645.0120 GEOTEXTILE TYPE HR SY	645.0130 GEOTEXTILE TYPE R **** SY	REMARKS
33+25	--	50+50	USH 45	--	5,708	--	421	1,025	--	--	--	--	--
43+20	--	--	USH 45	38	--	--	--	--	--	--	76	--	--
20+96	--	29+00	RIVER ROAD	--	5,789	--	421	--	--	--	--	--	--
17+00	--	28+50	CROSS ROAD	--	8,442	--	1,014	--	--	--	--	--	--
25+25	--	--	CROSS ROAD LT	166	--	--	--	--	--	--	331	--	--
42+00	--	50+00	LEDGE HILL ROAD	--	3,310	--	901	--	--	--	--	--	--
16+00	--	19+28	KELLY DRIVE	--	488	--	--	744	--	--	--	--	--
--	--	--	PARK & RIDE AREA AND WEST OF USH 45	--	4,647	800	--	--	--	--	--	--	--
--	--	--	FRICK FORD DEALERSHIP	--	757	--	--	--	--	--	--	--	PARKING LOT REMOVAL AREA
			BORROW PIT		500	--	--	--	--	--	--	--	--
--	--	--	UNDISTRIBUTED	429	57,269	6,267	3,049	627	--	--	848	388	
			SUB-TOTAL	638	86,910	7,067	5,807	2,396	0	0	1,255	388	
			PROJECT TOTAL	**2,130**	**286,600**	**31,200**	**15,200**	**3,120**	23	**518**	**4,240**	1,941 *****	

* ESTIMATED THAT EROSION MAT CLASS I TYPE B IS 8 FEET WIDE.

** ESTIMATED THAT EROSION MAT URBAN CLASS I TYPE B IS 8 FEET WIDE WHEN SHOWN AS SINGLE LINE OF HATCH ON PLANS.

*** ESTIMATED THAT STONE OR ROCK DITCH CHECK IS 22.5 CY PER DITCH CHECK.

**** ESTIMATED THAT GEOTEXTILE TYPE R IS 67.5 SY PER DITCH CHECK.

***** PROJECT TOTAL FOUND IN GEOTEXTILE SUMMARY.

RIPRAP LIGHT SUMMARY

STATION	TO	STATION	LOCATION	606.0100 RIPRAP LIGHT CY	REMARKS
140+80	--	141+80	STH 15 EB	363	C-44-121 - TEMPORARY BYPASS CHANNEL
228+40	--	228+60	STH 15 WB	199	C-44-122 - TEMPORARY BYPASS CHANNEL
243+20	--	243+70	STH 15 EB	220	C-44-123 - TEMPORARY BYPASS CHANNEL
			TOTALS	**781**	

FENCE SAFETY SUMMARY

STATION	TO	STATION	LOCATION	616.0700.S FENCE SAFETY LF	REMARKS
197+68	--	198+15	STH 15 EB RT	60	
202+19	--	208+49	STH 15 WB LT	660	
			TOTALS	**720**	

POLYETHYLENE SHEETING SUMMARY

STATION	TO	STATION	LOCATION	628.5505 POLYETHYLENE SHEETING SY	REMARKS
140+80	--	141+80	STH 15 EB	1,088	C-44-121 - TEMPORARY BYPASS CHANNEL
228+40	--	228+60	STH 15 WB	596	C-44-122 - TEMPORARY BYPASS CHANNEL
243+20	--	243+70	STH 15 EB	1,196	C-44-123 - TEMPORARY BYPASS CHANNEL
			TOTALS	**2,880**	

TURBIDITY BARRIERS SUMMARY

STATION	TO	STATION	LOCATION	628.6005 TURBIDITY BARRIERS SY	REMARKS
177+23	--	178+08	STH 15 WB LT	70	
--	--	--	UNDISTRIBUTED	30	
			TOTALS	**100**	

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

3

MOBILIZATIONS SUMMARY

PROJECT	619.1000 MOBILIZATION EACH	628.1905 MOBILIZATION EROSION CONTROL EACH	628.1910 MOBILIZATION EMERGENCY EROSION CONTROL EACH	REMARKS
1146-75-73	1	15	10	
TOTAL	**1**	**15**	**10**	

FIELD OFFICE SUMMARY

FIELD OFFICE	642.5401 FIELD OFFICE TYPE D EACH	REMARKS
#1	1	
#2	1	

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FINISHING SUMMARY

STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0130 SEEDING MIXTURE NO. 30 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0171 SEEDING MIXTURE NO. 70A LB	SPV.0085.01 SEEDING, WET MEADOW AND SHALLOW MARSH MIX LB	SPV.0085.02 LOW MAINTENANCE SEED MIX LB	630.0300 SEEDING BORROW PIT LB	630.0500 SEED WATER MGAL	REMARKS
101+80	--	121+49	STH 15 EB	14,052	9	360	13	--	--	--	--	--	316	INCLUDES MEDIAN
101+85	--	121+49	STH 15 WB	7,878	5	-	--	111	--	--	--	--	177	
121+49	--	147+65	STH 15 EB	25,802	16	636	--	21	4	--	--	--	579	INCLUDES MEDIAN
121+49	--	147+52	STH 15 WB	13,061	8	351	--	--	4	0.08	--	--	293	
147+65	--	232+16	STH 15 EB	86,530	55	1,899	--	169	25	--	--	--	1943	INCLUDES MEDIAN
147+52	--	232+16	STH 15 WB	51,368	32	1,253	--	89	--	--	--	--	1154	
232+16	--	256+00	STH 15 EB	25,320	16	639	--	30	--	--	--	--	569	INCLUDES MEDIAN
232+16	--	255+77	STH 15 WB	10,063	6	99	--	115	--	--	--	--	226	
33+25	--	50+50	USH 45	7,154	5	90	--	--	--	--	240	--	161	
80+94	--	83+60	WOLF RIVER RUN	1,220	1	--	--	22	--	--	--	--	27	
20+96	--	29+00	RIVER ROAD	6,210	4	100	--	3	8	--	--	--	139	
17+00	--	28+50	CROSS ROAD	9,456	6	237	--	12	--	--	--	--	212	
42+00	--	50+00	LEDGE HILL ROAD	4,211	3	109	--	3	--	--	--	--	95	
16+00	--	19+28	KELLY DRIVE	1,232	1	--	--	22	--	--	--	--	28	
--	--	--	PARK & RIDE AREA AND WEST OF USH 45	5,102	3	--	--	--	--	--	321	--	115	
--	--	--	FRICK FORD DEALERSHIP	757	--	--	--	--	--	--	48	--	17	
--	--	--	BORROW PITS	--	--	--	--	--	--	--	--	200	--	
--	--	--	UNDISTRIBUTED	67,383	41	1,445	3	152	10	0.92	151	50	1449	INCLUDES BORROW PITS
			TOTAL	**336,800**	**210**	**7,220**	**16**	**750**	**51**	**1**	**760**	**250**	**7,500**	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

REMOVING TYPE II SIGNS AND REMOVING SMALL SIGN SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
1	STH 15, AT USH 45 INTERSECTION	R5-1	1	---	MOUNTED TO SIGNAL
2	"	R1-1F	---	---	MOUNTED TO SIGNAL, PART OF REMOVAL FOR SIGN #1
3	"	R1-2	1	1	
3A	USH 45, AT STH 15 INTERSECTION	D4-5	1	1	
3B	"	J3-4	1	2	
3C	"	R5-1A	---	---	PART OF REMOVAL FOR SIGN #3B
3D	"	D1-3	1	2	
3E	"	W10-1	1	1	
4	STH 15, AT USH 45 INTERSECTION	R4-7	1	---	MOUNTED TO SIGNAL
5	"	R1-1F	---	---	MOUNTED TO SIGNAL, PART OF REMOVAL FOR SIGN #4
5A	"	R1-1F	1	---	MOUNTED TO SIGNAL
6	"	R1-2	1	1	
6A	USH 45, AT STH 15 INTERSECTION	R4-7	1	---	MOUNTED TO SIGNAL
6B	"	R1-1F	---	---	PART OF REMOVAL FOR SIGN #6A
6C	"	R2-1	1	1	
6D	"	W10-1	1	1	
7	STH 15, E. OF USH 45	J3-2	1	1	
7A		R5-1A	---	---	PART OF REMOVAL FOR SIGN #7
8	"	W6-3	---	1	PART OF REMOVAL FOR SIGN #9
9	"	R5-1	1	---	MOUNTED ON BACK OF SIGN #8
10	"	R4-7	1	1	
11	"	J13-2	1	1	
12	"	M1-85	1	1	
13	"	W8-70	---	1	PART OF REMOVAL FOR SIGN #14
14	"	W57-51	1	---	MOUNTED BELOW SIGN #13
15	"	D2-2	1	1	
16	"	D4-5	1	1	
17	"	W3-3	1	1	
18	"	R2-1	1	1	
19	"	R2-1	---	1	PART OF REMOVAL FOR SIGN #20
20	"	W14-3	1	---	MOUNTED ON BACK OF SIGN #19
21	"	J2-2	1	1	
22	"	D2-2	1	2	
23	"	J1-3	1	2	
24	"	J4-2	1	1	
25	"	W3-5	1	1	
26	"	M1-94	1	1	
27	RIVER RD	R1-1	1	1	
	PAGE SUBTOTALS		30	30	

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REMOVING TYPE II SIGNS AND REMOVING SMALL SIGN SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
28	STH 15, E. OF RIVER RD	S3-1	1	1	
29	"	M1-94	1	1	
30	"	W1-2L	1	1	PART OF REMOVAL FOR SIGN #32
31	"	W14-3	1	1	
32	"	W14-3	---	---	MOUNTED ON BACK OF SIGN #30
33	"	S1-1	---	1	PART OF REMOVAL FOR SIGN #34
34	"	S16-9P	1	---	MOUNTED BELOW SIGN #33
35	STH 15, W. OF CROSS RD	S4-51	1	1	
36	"	W2-2	---	1	PART OF REMOVAL FOR SIGN #37
37	"	W13-1	1	---	MOUNTED BELOW SIGN #36
38	"	W54-57	1	1	
39	STH 15, W. OF CROSS RD	W1-6	1	1	
40	CROSS RD	R1-1	1	1	
41	STH 15, E. OF CROSS RD	W1-6	1	1	
42	"	W14-3	1	1	
43	"	W11-3	---	1	PART OF REMOVAL FOR SIGN #44
44	"	W57-51	1	---	MOUNTED BELOW SIGN #43
45	"	W1-2R	1	1	
46	"	W14-3	1	1	
47	"	I55-56	1	1	
48	"	S3-1	1	1	
49	STH 15, W. OF KELLY DR	W1-2L	1	1	
50	"	M1-94	1	1	
51	KELLY DR	R1-1	1	1	
52	STH 15, E. OF KELLY DR	M1-94	1	1	
53	"	W14-3	1	1	
54	USH 45, N. OF STH 15	R5-1A	---	---	PART OF REMOVAL FOR SIGN #55
55	"	J3-4	1	2	
56	"	D1-3	1	2	
57	"	W3-3	1	1	
58	"	J2-4	1	2	
59	"	J2-1	1	1	
60	"	W10-1	2	1	
61	"	D4-5	1	1	
62	"	J1-3	1	1	
63	"	W4-2R	1	1	
64	"	W9-1R	1	1	
	PARK AND RIDE	R7-8A	3	3	
	PAGE SUBTOTALS		36	38	
	PROJECT TOTALS		**66**	**68**	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

ERECTION OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2215 SIGNS TYPE II FOLDING REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	REMARKS
175	USH 45, N. OF STH 15	R5-1A	42" X 30"	8.75	---	---	---	---	---	MOUNT TO BACK OF SIGN 176
176	"	J2-4	96" X 57"	38.00	---	---	---	---	2	EAST STH 15, CTH T, BUSINESS 45, HOSPITAL, SEE PLAN SHEET
177	"	R8-8	24" X 30"	5.00	---	---	1	---	---	
178	"	R8-8	24" X 30"	5.00	---	---	1	---	---	
179	"	W3-3	36" X 36"	---	---	9.00	---	1	---	
180	"	D1-3	108" X 54"	40.50	---	---	---	---	2	SEE SIGN DETAIL SHEET
181	"	J2-4	96" X 57"	38.00	---	---	---	---	2	EAST STH 15, CTH T, SOUTH 45, NORTH 45, SEE PLAN SHEET
182	"	J2-1	24" X 57"	9.50	---	---	---	---	1	EAST 15, SEE PLAN SHEET
183	"	W10-1	36" X 36"	---	---	7.07	---	---	1	
184	"	W10-1A	24" X 12"	---	---	2.00	---	---	---	MOUNT BELOW SIGN 183
185	"	W10-1	36" X 36"	---	---	7.07	---	---	1	
186	"	W10-1A	24" X 12"	---	---	2.00	---	---	---	MOUNT BELOW SIGN 185
187	"	D4-5	36" X 48"	12.00	---	---	---	1	---	
188	"	J1-3	72" X 51"	25.50	---	---	---	---	2	JCT: STH 15, CTH T, BUSINESS 45, SEE PLAN SHEET
	PAGE SUBTOTALS			182.25	0.00	27.14	2	2	11	

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ERECTION OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2215 SIGNS TYPE II FOLDING REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	REMARKS
200	USH 45, S. OF STH 15	D1-3	108" X 54"	40.50	---	---	---	2	---	SEE SIGN DETAIL SHEET
201	"	D4-5	36" X 48"	12.00	---	---	1	---	---	SEE PLAN SHEET
202	"	W10-1	36" X 36"	---	---	7.07	1	---	---	
202A	"	W10-1	36" X 36"	---	---	7.07	1	---	---	
203	"	J3-4	96" X 57"	38.00	---	---	---	---	2	HOSPITAL, BUSINESS USH 45, CTH T, EAST STH 15, SEE PLAN SHEET
204	"	R5-1A	42" X 30"	8.75	---	---	---	---	---	MOUNT ON BACK OF SIGN #203
205	"	R1-1F	36" X 36"	---	7.46	---	---	---	---	MOUNT TO SIGNAL
206	"	R5-1	36" X 36"	9.00	---	---	---	---	---	MOUNT TO SIGNAL
207	"	R1-2	36" X 31"	3.88	---	---	---	---	---	
208	STH 15, E. OF USH 45	R4-7	24" X 30"	5.00	---	---	1	---	---	
209	"	R5-1	36" X 36"	9.00	---	---	---	---	---	MOUNT TO SIGNAL
210	"	R1-1F	36" X 36"	---	7.46	---	---	---	---	MOUNT ON BACK OF SIGN #208
211	"	R1-1F	36" X 36"	---	7.46	---	---	---	---	MOUNT TO SIGNAL
212	"	R1-2	36" X 31"	3.88	---	---	1	---	---	
213	USH 45, N. OF STH 15	R4-7	24" X 30"	5.00	---	---	1	---	---	
214	"	R1-1F	36" X 36"	---	7.46	---	---	---	---	MOUNT ON BACK OF SIGN #213
214A	"	R3-8GGG	108" X 48"	36.00	---	---	---	2	---	
214B	"	R3-7S	48" X 30"	10.00	---	---	1	---	---	
215A	"	W10-1	36" X 36"	---	---	7.07	1	---	---	
215B	"	W10-1A	24" X 12"	---	---	16.00	---	---	---	MOUNT BELOW SIGN #215A
215C	"	W10-1	36" X 36"	---	---	7.07	1	---	---	
215D	"	W10-1A	24" X 12"	---	---	16.00	---	---	---	MOUNT BELOW SIGN #215C
215	"	J4-1	36" X 54"	13.50	---	---	---	1	---	NORTH USH 45
216	"	R2-1	36" X 48"	12.00	---	---	---	1	---	45 MPH
217	STH 15, E. OF USH 45	R5-1A	42" X 30"	8.75	---	---	---	---	---	MOUNT ON BACK OF SIGN #218
218	"	J3-3	72" X 57"	28.50	---	---	---	---	2	SOUTH USH 45, HOSPITAL, CTH T, NORTH USH 45, SEE PLAN SHEET
219	"	R3-8W	54" X 30"	11.25	---	---	1	---	---	
220	"	J4-2	72" X 54"	27.00	---	---	---	1	---	EAST STH 15, CTH T
220A	"	R3-7R	36" X 36"	9.00	---	---	1	---	---	
220B	"	R1-1	30" X 30"	5.88	---	---	1	---	---	
221	"	D1-3	84" X 66"	38.50	---	---	---	2	---	SEE SIGN DETAIL SHEET
222	"	R2-1	36" X 48"	12.00	---	---	---	1	---	45 MPH
222A	"	D1-1	96" X 15"	10.00	---	---	2	---	---	WOLF RIVER RUN, SEE SIGN DETAIL SHEET
223	"	J2-3	72" X 57"	28.50	---	---	---	---	2	SOUTH USH 45, BUSINESS USH 45, NORTH USH 45, SEE PLAN SHEET
224	"	D2-3	108" X 48"	36.00	---	---	---	2	---	HORTONVILLE 6, GREENVILLE 10, APPLETON 16, SEE SIGN DETAIL SHEET
225	"	W3-3	48" X 48"	---	---	16.00	2	---	---	
226	"	R4-7	24" X 30"	5.00	---	---	1	---	---	
227	"	R6-2L	24" X 30"	5.00	---	---	1	---	---	
228	"	R4-7	24" X 30"	5.00	---	---	1	---	---	
229	"	R4-3	36" X 48"	12.00	---	---	---	1	---	
230	"	J1-3	72" X 51"	25.50	---	---	---	2	---	JCT USH 45, JCT BUSINESS USH 45, END STH 15, SEE PLAN SHEET
PAGE SUBTOTALS				474.39	29.84	76.28	19	15	6	

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SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2215 SIGNS TYPE II FOLDING REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	REMARKS
231	"	J1-3	72" X 51"	25.50	---	---	---	2	---	JCT USH 45, JCT BUSINESS USH 45, END STH 15, SEE PLAN SHEET
231A	"	R2-1	36" X 48"	12.00	---	---	---	1	---	45 MPH
231B	"	R2-1	36" X 48"	12.00	---	---	---	1	---	55 MPH
232	"	D1-1	84" X 21"	12.25	---	---	2	---	---	RIVER RD, SEE SIGN DETAIL SHEET
232A	"	R6-2R	24" X 30"	5.00	---	---	1	---	---	
232B	"	W3-5	48" X 48"	---	---	16.00	---	2	---	45 MPH
232C	"	D1-1	96" X 15"	10.00	---	---	2	---	---	WOLF RIVER RUN, SEE SIGN DETAIL SHEET
233	STH 15, W. OF RIVER RD	R5-1A	42" X 30"	8.75	---	---	1	---	---	
234	"	R5-1	36" X 36"	9.00	---	---	1	---	---	
235	"	R4-7	36" X 48"	12.00	---	---	---	1	---	
235A	"	R6-2L	24" X 30"	5.00	---	---	1	---	---	
236	RIVER RD	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #237
237	"	R1-1	36" X 36"	7.46	---	---	---	---	1	
238	"	R6-3A	30" X 24"	5.00	---	---	---	---	---	MOUNT BELOW SIGN #237
239	STH 15, E. OF RIVER RD	R4-7	36" X 48"	12.00	---	---	---	1	---	
240	"	R5-1	36" X 36"	9.00	---	---	1	---	---	
241	STH 15, E. OF RIVER RD	R5-1A	42" X 30"	8.75	---	---	1	---	---	
242	"	D1-1	84" X 21"	12.25	---	---	2	---	---	RIVER RD, SEE SIGN DETAIL SHEET
243	STH 15, W. OF CROSS RD	D1-1	84" X 21"	12.25	---	---	2	---	---	CROSS RD, SEE SIGN DETAIL SHEET
244	"	R5-1A	42" X 30"	8.75	---	---	1	---	---	
245	"	R5-1	36" X 36"	9.00	---	---	1	---	---	
246	"	R4-7	36" X 48"	12.00	---	---	---	1	---	
246A	"	R6-2L	24" X 30"	5.00	---	---	1	---	---	
247	CROSS RD	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #248
248	"	R1-1	36" X 36"	7.46	---	---	---	---	1	
249	"	R6-3A	30" X 24"	5.00	---	---	---	---	---	MOUNT BELOW SIGN #248
250	LEDGE HILL	R1-1	30" X 30"	5.18	---	---	1	---	---	
251	STH 15, E. OF CROSS RD	R4-7	36" X 48"	12.00	---	---	---	1	---	
252	"	R5-1	36" X 36"	9.00	---	---	1	---	---	
253	"	R5-1A	42" X 30"	8.75	---	---	1	---	---	
254	"	D1-1	84" X 21"	12.25	---	---	2	---	---	CROSS RD, SEE SIGN DETAIL SHEET
255	"	R4-7	36" X 48"	12.00	---	---	---	1	---	
256	"	R4-7	36" X 48"	12.00	---	---	---	1	---	
256A	"	R6-2R	24" X 30"	5.00	---	---	1	---	---	
256B	"	R6-2R	24" X 30"	5.00	---	---	1	---	---	
256C	"	R6-2R	24" X 30"	5.00	---	---	1	---	---	
256D	"	R6-2R	24" X 30"	5.00	---	---	1	---	---	
257	"	R4-7	36" X 48"	12.00	---	---	---	1	---	
258	"	R4-7	36" X 48"	12.00	---	---	---	1	---	
258A	"	R6-2R	24" X 30"	5.00	---	---	1	---	---	
259	STH 15, W. OF KELLY DR	R4-7	36" X 48"	12.00	---	---	---	1	---	
	PAGE SUBTOTALS			363.60	0.00	16.00	27	15	2	

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SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2215 SIGNS TYPE II FOLDING REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	REMARKS
260	"	R4-7	36" X 48"	12.00	---	---	---	1	---	
260A	"	R6-2R	24" X 30"	5.00	---	---	1	---	---	
260B	"	R6-2R	24" X 30"	5.00	---	---	1	---	---	
260C	"	R6-2R	24" X 30"	5.00	---	---	1	---	---	
261	"	D1-1	84" X 21"	12.25	---	---	2	---	---	KELLY DR, SEE SIGN DETAIL SHEET
261A	"	R6-2R	24" X 30"	5.00	---	---	1	---	---	
261B	"	R6-2R	24" X 30"	5.00	---	---	1	---	---	
261C	"	R6-2R	24" X 30"	5.00	---	---	1	---	---	
262	"	R5-1A	42" X 30"	8.75	---	---	1	---	---	
263	"	R5-1	36" X 36"	9.00	---	---	1	---	---	
264	KELLY DRIVE	R6-1R	36" X 12"	3.00	---	---	---	---	---	MOUNT ABOVE SIGN #265
265	"	R1-1	36" X 36"	7.46	---	---	---	---	1	
266	"	R6-3A	30" X 24"	5.00	---	---	---	---	---	MOUNT BELOW SIGN #265
267	STH 15, W. OF KELLY DR	R4-7	36" X 48"	12.00	---	---	---	1	---	
268	STH 15, E. OF KELLY DR	R4-7	36" X 48"	12.00	---	---	---	1	---	
268A	"	R6-2L	24" X 30"	5.00	---	---	1	---	---	
269	"	R5-1	36" X 36"	9.00	---	---	1	---	---	
270	"	R5-1A	42" X 30"	8.75	---	---	1	---	---	
270A	"	R6-2R	24" X 30"	5.00	---	---	1	---	---	
271	"	D1-1	84" X 21"	12.25	---	---	2	---	---	KELLY DR, SEE SIGN DETAIL SHEET
272	STH 15, W. OF CTH T/OLD STH 15 RAB	R4-7	36" X 48"	12.00	---	---	---	1	---	
273	"	R4-7	36" X 48"	12.00	---	---	---	1	---	
	PARK AND RIDE	R7-8A	12" X 18"	1.50	---	---	1	---	---	
	"	R7-8V	12" X 6"	0.50	---	---	---	---	---	MOUNT BELOW R7-8A
	PAGE SUBTOTALS			177.46	0.00	0.00	17	5	1	
	PROJECT TOTALS			**1197.70**	**29.84**	**119.42**	**65**	**37**	**20**	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

TRAFFIC CONTROL ITEMS SUMMARY

LOCATION	DAYS	643.0300 TRAFFIC CONTROL DRUMS NUMBER IN SERVICE	643.0300 DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III NUMBER IN SERVICE	643.0420 DAYS	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A NUMBER IN SERVICE	643.0705 DAYS	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C NUMBER IN SERVICE	643.0715 DAYS	643.0800 TRAFFIC CONTROL ARROW BOARDS NUMBER IN SERVICE	643.0800 DAYS	643.0900 TRAFFIC CONTROL SIGNS NUMBER IN SERVICE	643.0900 DAYS	643.1050 TRAFFIC CONTROL SIGNS PCMS NUMBER IN SERVICE	643.1050 DAYS	643.1070 TRAFFIC CONTROL CONES 42-INCH NUMBER IN SERVICE	643.1070 DAYS	REMARKS
CLEARING																		* SEE NOTE BELOW
STH 15	26	--	--	--	--	--	--	--	--	--	--	10	260	2	14	--	--	
USH 45	4	--	--	--	--	--	--	--	--	--	--	10	40	2	14	--	--	
STAGE 1																		
STH 15	214	--	--	16	3,424	32	6,848	--	--	--	--	8	1,712	--	--	--	--	--
USH 45	214	--	--	--	--	--	--	--	--	--	--	2	428	1	7	--	--	FROM DETAIL 1
CTH T	214	--	--	--	--	--	--	--	--	--	--	2	428	1	7	--	--	FROM DETAIL 1
RIVER RD	214	--	--	--	--	--	--	--	--	--	--	2	428	--	--	--	--	--
CROSS RD	214	--	--	4	856	8	1,712	--	--	--	--	5	1,070	--	--	--	--	--
LEDGE HILL RD	214	--	--	2	428	4	856	--	--	--	--	4	856	--	--	--	--	--
KELLY DR	214	--	--	--	--	--	--	--	--	--	--	2	428	--	--	--	--	--
ROUNDABOUT	214	42	8,988	2	428	4	856	13	2,782	2	428	14	2,996	--	--	--	--	FROM DETAIL 2
CULVERT C-44-0121	64	--	--	10	640	12	768	--	--	--	--	2	128	--	--	--	--	SDD 15C2-B, DETAIL D
CULVERT C-44-0122	36	--	--	10	360	12	432	--	--	--	--	2	72	--	--	--	--	SDD 15C2-B, DETAIL D
CULVERT AT STA 158'WB'+47	4	--	--	10	40	12	48	--	--	--	--	2	8	--	--	--	--	SDD 15C2-B, DETAIL D
ROCK BLASTING ACTIVITIES	7	--	--	10	70	12	84	--	--	--	--	2	14	--	--	--	--	SDD 15C2-B, DETAIL D
STAGE 2A																		
USH 45	35	4	140	6	210	12	420	--	--	--	--	9	315	--	--	12	420	--
CTH T	35	12	420	2	70	4	140	--	--	--	--	5	175	--	--	--	--	--
STH 15	35	--	--	--	--	--	--	--	--	--	--	2	70	--	--	--	--	--
STAGE 2B																		
USH 45	6	51	306	6	36	12	72	7	42	--	--	12	72	1	7	47	282	--
CTH T	6	--	--	--	--	--	--	--	--	--	--	1	6	--	--	--	--	--
STH 15	6	19	114	--	--	--	--	13	78	--	--	2	12	--	--	17	102	--
USH 45 & CTH TT INTERSECTION	6	--	--	--	--	--	--	--	--	--	--	5	30	--	--	--	--	--
STAGE 2C																		
USH 45	2	29	58	1	2	2	4	14	28	2	4	4	8	--	--	40	80	--
CTH T	2	--	--	--	--	--	--	--	--	--	--	1	2	--	--	--	--	--
STH 15	2	7	14	1	2	2	4	--	--	--	--	1	2	--	--	--	--	--
STAGE 2D																		
USH 45	9	61	549	4	36	8	72	8	72	--	--	9	81	--	--	--	--	--
CTH T	9	--	--	--	--	--	--	--	--	--	--	1	9	--	--	--	--	--
STAGE 2E																		
USH 45	1	--	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--
CTH T	1	4	4	1	1	2	2	7	7	--	--	3	3	1	7	--	--	--
BUS 45 & CTH D INTERSECTION	1	--	--	--	--	--	--	--	--	--	--	5	5	--	--	--	--	--
STAGE 2F																		
USH 45	1	--	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--
CTH T	1	--	--	--	--	--	--	4	4	--	--	1	1	--	--	--	--	--
BUS 45 & CTH D INTERSECTION	1	--	--	--	--	--	--	--	--	--	--	5	5	--	--	--	--	--
STAGE 1A																		
STH 15	12	6	72	4	48	8	96	6	72	--	--	2	24	--	--	17	204	
STAGE 1B																		
STH 15	12	20	240	5	60	10	120	7	84	--	--	2	24	--		--	--	
SUB-TOTAL			10,905 +		6,711 +		12,534 +		3,169 +		432 TOTAL		9,714 +		56 +		1,088 TOTAL	

* CONTRACTOR MAY USE SDD 15C12-09A, 15C12-09B OR 15D28. SDD 15C12-09A USED FOR QUANTITY CALCULATIONS.

\+ ITEM SHOWN IN TRAFFIC CONTROL DETOUR SIGNS FOR STH 15 AND USH 45 DETOURS. ITEM TOTAL FOUND IN TRAFFIC CONTROL DETOUR SIGNS FOR USH 45 DETOUR SUMMARY.

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

3

TRAFFIC CONTROL DETOUR SIGN SUMMARY - STAGE 1

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 214 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
1	US 45 NB, PLACE 1500' S. OF CTH TT INTERSECTION	M 3-2	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	W 20-2A	48"X48"	1	214	214							
2	US 45 NB, PLACE 750' S. OF CTH TT INTERSECTION	M 4-8	24"X12"	1	214	214							
	"	M 3-2	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 5-1R	21"X21"	1	214	214							
3	US 45 NB, PLACE RIGHT OF EXISTING J13-1 SIGN AT CTH TT INTERSECTION	M 4-8	24"X12"	1	214	214							
	"	M 3-2	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 6-1	21"X21"	1	214	214							RIGHT
4	US 45 SB, PLACE RIGHT OF EXISTING J13-1 SIGN AT CTH TT INERSECTION	M 4-8	24"X12"	1	214	214							
	"	M 3-2	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 6-1	21"X21"	1	214	214							LEFT
5	US 45 SB, PLACE 750' N. OF CTH TT INTERSECTION	M 4-8	24"X12"	1	214	214							
	"	M 3-2	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 5-1L	21"X21"	1	214	214							
6	US 45 NB, PLACE RIGHT OF EXISTING J4-1 SIGN N. OF CTH TT INTERSECTION	M 4-8	24"X12"	1	214	214							
	"	M 3-4	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 6-1	21"X21"	1	214	214							AHEAD
7	CTH TT, PLACE RIGHT OF EXISTING R1-1 AT US 45 INTERSECTION	M 4-8	24"X12"	1	214	214							
	"	M 3-4	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 6-1	21"X21"	1	214	214							RIGHT
8	CTH TT, PLACE 300' E. OF US 45 INTERSECTION	M 4-8	24"X12"	1	214	214							
	"	M 3-2	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 6-1	21"X21"	1	214	214							AHEAD
9	CTH TT, PLACE 500' E. OF US 45 INTERSECTION	M 4-8	24"X12"	1	214	214							
	"	M 3-4	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 5-1R	21"X21"	1	214	214							
10	CTH TT, PLACE 500' W. OF CTH T INTERSECTION	M 4-8	24"X12"	1	214	214							
	"	M 3-2	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 5-1L	21"X21"	1	214	214							
11	CTH TT, PLACE AT CTH T INTERSECTION RIGHT OF EXISTING R1-1 SIGN	M 4-8	24"X12"	1	214	214							
	"	M 3-2	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 6-1	21"X21"	1	214	214							LEFT
	PAGE SUBTOTALS			43		9,202	0	0	0		0	0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - STAGE 1

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 214 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
12	CTH T, PLACE AT CTH TT INTERSECTION RIGHT OF EXISTING R1-1 SIGN	M 4-8	24"X12"	1	214	214							
	"	M 3-4	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							
	"	MO 6-1	21"X21"	1	214	214							
13	CTH T, PLACE 500' N. OF CTH TT INTERSECTION	M 4-8	24"X12"	1	214	214							
	"	M 3-4	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							
	"	MO 5-1R	21"X21"	1	214	214							
14	STH 15, PLACE IN PARKING LANE W. OF CTH M INTERSECTION	R 11-3	60"X30"	1	214	214	190	380					
15	STH 15, PLACE E. OF RAILROAD BRIDGE ON SHOULDER, FIELD DETERMINED	PCMS							7				
16	STH 15, PLACE JUST W. OF RAILROAD BRDIGE, MEDIAN SIDE	W 20-2A	48"X48"	1	214	214							
17	STH 15, PLACE JUST W. OF RAILROAD BRDIGE, RIGHT SIDE	W 20-2A	48"X48"	1	214	214							
18	STH 15, PLACE TO RIGHT OF S-44-114 RIGHT COLUMN	M 4-8	24"X12"	1	214	214							
	"	M 3-4	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							
	"	MO 5-1L	21"X21"	1	214	214							
18A	STH 15, COVER EXISTING R3-8GG SIGN ON S-44-114 RIGHT COLUMN AS SHOWN									1		1	COVER ARROWS AS SHOWN
19	STH 15, COVER EXISTING E6-54A SIGN ON S-44-114 AS SHOWN									1	1		COVER ENTIRE SIGN
20	STH 15, COVER EXISTING E6-52 SIGN ON S-44-114 AS SHOWN									1	1		COVER WEST 15 W/ ARROW
21	STH 15, PLACE TO LEFT OF S-44-114 LEFT COLUMN	M 4-8	24"X12"	1	214	214							
	"	M 3-4	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 5-1L	21"X21"	1	214	214							
21A	STH 15, COVER EXISTING R3-8GG SIGN ON S-44-114 LEFT COLUMN AS SHOWN									1		1	COVER ARROWS AS SHOWN
22	STH 15, PLACE 100' E. OF RAB	M 4-8	24"X12"	1	214	214							
	"	M 3-4	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 6-1	21"X21"	1	214	214							LEFT
23	STH 15, PLACE 100' E. OF RAB	M 4-8	24"X12"	1	214	214							
	"	M 3-4	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 6-1	21"X21"	1	214	214							LEFT
24	STH 15, PLACE IN MIDDLE OF ROADWAY FOR WEST LEG RAB EXIT	R 11-4	60"X30"	1	214	214							
	"	M 4-9L	30"X24"	1	214	214							
25	STH 15, PLACE SIGN ASSEMBLY NEXT TO COVERED SPLITTER ISLAND SIGN	M 4-8	24"X12"	1	214	214				1		1	COVER ENTIRE SIGN
	"	M 3-4	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 6-2	21"X21"	1	214	214							TILT LEFT
26	STH 15, PLACE SIGN ASSEMBLY NEXT TO EXISTING SPLITTER ISLAND SIGN	M 4-8	24"X12"	1	214	214							
	"	M 3-4	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 6-2	21"X21"	1	214	214							TILT RIGHT
	PAGE SUBTOTALS			37		7,918	190	380	7		2	3	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - STAGE 1

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 214 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
27	CTH T, PLACE RIGHT OF EXISTING J12-1 SIGN	M 4-8	24"X12"	1	214	214							
	"	M 3-4	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 5-1R	21"X21"	1	214	214							
28	CTH T, COVER EXISTING J3-3 SIGN AS SHOWN									1		1	COVER SIGN AS SHOWN
29	CTH T, MODIFY EXISTING J1-1 SIGN A SHOWN	M 4-8A	24"X18"	1	214	214							
30	CTH T, PLACE RIGHT OF EXISTING J13-1 SIGN	M 4-8	24"X12"	1	214	214							
	"	M 3-4	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 6-1	21"X21"	1	214	214							RIGHT
31	CTH T, PLACE RIGHT OF EXISTING R1-1 SIGN AT OLD STH 15 RD INTERSECTION	M 4-8	24"X12"	1	214	214							
	"	M 3-2	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 6-1	21"X21"	1	214	214							LEFT
32	CTH T, PLACE RIGHT OF EXISTING J13-1 SIGN AT GIVENS RD WEST INTERSECTION	M 4-8	24"X12"	1	214	214							
	"	M 3-4	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 6-1	21"X21"	1	214	214							LEFT
33	CTH T, PLACE RIGHT OF EXISTING R1-1 SIGN AT GIVENS RD WEST INTERSECTION	M 4-8	24"X12"	1	214	214							
	"	M 3-2	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	MO 6-1	21"X21"	1	214	214							RIGHT
34	US 45 SB, PLACE 1500' N. OF STH 15 INTERSECTION ON RIGHT SIDE	M 3-2	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	W 20-2A	48"X48"	1	214	214							
35	US 45 SB, PLACE 1500' N. OF STH 15 INTERSECTION IN MEDIAN	M 3-2	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	W 20-2A	48"X48"	1	214	214							
36	US 45 SB, N. OF STH 15, MODIFY EXISTING J2-4 SIGN AS SHOWN	M 4-8	24"X12"	1	214	214							
	"	M 3-2	24"X12"	1	214	214							
	"	MO 6-1	21"X21"	1	214	214							AHEAD
	"	MO 5-2R	21"X21"	1	214	214							
37	US 45 SB, N. OF STH 15, MODIFY EXISTING J2-1 SIGN AS SHOWN	M 4-8	24"X12'	1	214	214							
	"	M 3-2	24"X12"	1	214	214							
	"	MO 6-1	21"X21"	1	214	214							AHEAD
38	US 45 SB, PLACE JUST N. OF RAILROAD IN MEDIAN, FIELD DETERMINED	PCMS							7				
39	US 45 SB, COVER EXISTING D1-3 SIGN AS SHOWN									1		1	COVER "HORTONVILLE"
40	US 45 SB, MODIFY EXISTING J3-4 SIGN AS SHOWN	M 4-8	24"X12"	1	214	214							
	"	M 3-2	24"X12"	1	214	214							
	"	MO 6-1	21"X21"	1	214	214							AHEAD
	"	MO 6-1	21"X21"	1	214	214							RIGHT
41	CTH T, PLACE W. OF BECKERT RD INTERSECTION	M 3-2	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							15
	"	W 20-2A	48"X48"	1	214	214							
	PAGE SUBTOTALS			41		8,774	0	0	7		0	2	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - STAGE 1

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 214 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
42	CTH T, W. OF US 45, MODIFY EXISTING J2-3 SIGN AS SHOWN	M 4-8	24"X12"	1	214	214							
	"	M 3-2	24"X12"	1	214	214							
	"	MO 5-1R	21"X21"	1	214	214							
43	CTH T, W. OF US 45, COVER EXISTING D1-3 SIGN AS SHOWN									1		1	COVER "HORTONVILLE"
44	CTH T, W. OF US 45, PLACE RIGHT OF EXISTING J3-3 SIGN	M 4-8	24"X12"	1	214	214							
	"	M 3-2	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							
	"	MO 6-1	21"X21"	1	214	214							
	"									1		1	COVER "SOUTH T AHEAD"
45	STH 15, E. OF US 45, PLACE IN MIDDLE OF ROADWAY	R 11-4	60"X30"	1	214	214	190	380					
	"	M 4-9R	30"X24"	1	214	214							
46	US 45 NB, PLACE IN RIGHT TURN LANE TO STH 15	R 11-4	60"X30"	1	214	214	190	380					
47	US 45 NB, S. OF STH 15 INTERSECTION, COVER/MODIFY EXISTING J3-3 SIGN AS SHOWN	MO 6-1	21"X21"	1	214	214				1		1	COVER "EAST 15 RT"
48	US 45 SB, S. OF STH 15 INTERSECTION, PLACE TO LEFT OF EXISTING J4-1 SIGN	M 4-8	24"X12"	1	214	214							
	"	M 3-2	24"X12"	1	214	214							
	"	M 1-6	24"X24"	1	214	214							
	"	MO 6-1	21"X21"	1	214	214							
49	US 45 NB, S. OF STH 15 INTERSECTION, COVER EXISTING D1-3 SIGN AS SHOWN									1		1	COVER "HORTONVILLE"
50	US 45 NB, S. OF STH 15 INTERSECTION, COVER/MODIFY EXISTING J2-4 SIGN AS SHOWN	MO 5-1L	21"X21"	1	214	214				1		1	COVER "EAST 15 ADV RT"
51	US 45 NB, S. OF STH 15 INTERSECTION, MODIFY EXISTING J1-3 SIGN AS SHOWN	M 4-8A	24"X18"	1	214	214							
	PAGE SUBTOTALS			17		3,638	380	760	0		0	5	
	STAGE 1 TOTALS			138		**29,532**	**570**	**1,140**	**14**		**2**	**10**	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - STAGES 1/2

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 35 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.0300 DRUMS DAYS	643.0715 WARNING LIGHTS TYPE C DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0500 FLEXIBLE TUBULAR MARKERS POSTS EACH	643.0600 FLEXIBLE TUBULAR MARKERS BASES EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
1	500' S OF J1-3 (JCT BUS 45; JCT 15; JCT T)	WO 20-2A	48"x48"	1	35	35									
2	LT OF J1-3 (JCT BUS 45; JCT 15; JCT T)	MO 4-8	24"x12"	1	35	35									
	"	M 3-1	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 5-1L	21"x21"	1	35	35									
3	MODIFY J2-4 (BUS 45-AH LT; N-45-AH; T-AH LT; E-15-AH RT)	MO 4-8	24"x12"	1	35	35									
	"	M 3-1	EXISTING												
	"	M 1-4	EXISTING												45
	"	MO 5-1L	21"x21"	1	35	35									
	"													1	EAST 15 AHEAD RT
4	D1-3 (AH-CLINTONVILLE; LT-NEW LONDON; HORTONVILLE-RT)														AHEAD-CLINTONVILLE
	"													1	HORTONVILLE-RIGHT
5	LT OF J3-3 (BUS 45-LT; H LT; T-LT; E-15-RT)	MO 4-8	24"x12"	1	35	35									
	"	M 3-1	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									LEFT
6	ACROSS HWY 45 NORTH @ HWY 15 INTERSECTION	R 11-2	48"x30"	1	35	35									
	"			5			175	175							TO CLOSE HWY 45 NB
7	BELOW SIGN # 6	MO 4-9L	30"x24"	1	35	35									
8 TO 9	VACANT														
10	D1-2 (AH BUSINESS DISTRICT; MARION/ANTIGO-RT)													1	MARION/ANTIGO-RIGHT
11 TO 13	VACANT														
14	100'W OF J4-2 (BUS 45; N-T)	MO 4-8	24"x12"	1	35	35									
	"	M 3-1	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									AHEAD
15	J3-3 (N-45-LT; S-T-AH; S-45-RT)													1	N-45-LEFT
	"														S-T-AHEAD
16	D1-3 (AH-HORTONVILLE; LT-CLINTONVILLE; OSHKOSH-RT)													1	AHEAD-HORTONVILE
	"														LEFT-CLINTONVILLE
17	J2-3 (N-45-AH LT; E-15-AH; S-45-AH RT)													1	N-45-AHEAD LEFT
	"														E-15-AHEAD
18	MODIFY J1-2 (JCT 15; JCT 45)	MO 4-8A	24"x18"	1	35	35									
	"	M 1-4	EXISTING												45
19	100' N OF J2-1 (BUS 45; TRUCK ROUTE-AH)	MO 4-8	24"x12"	1	35	35									
	"	M 3-1	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									AHEAD
	PAGE SUBTOTALS			27		770	175	175	0	0	0	0	0	6	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - STAGES 1/2

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 35 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.0300 DRUMS DAYS	643.0715 WARNING LIGHTS TYPE C DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0500 FLEXIBLE TUBULAR MARKERS POSTS EACH	643.0600 FLEXIBLE TUBULAR MARKERS BASES EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
20	ACROSS FROM SIGN #19 (FACING SB TRAFFIC)	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									AHEAD
21	100' S OF CITY DESTINATION SIGN (MUSEUM, LIBARARY, ETC)	MO 4-8	24"x12"	1	35	35									
	"	M 3-1	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									AHEAD
22	RT OF J4-1 (BUS 45)	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									AHEAD
23	100' S OF CURVE WARNING SIGN ON MILL ST (NB)	MO 4-8	24"x12"	1	35	35									
	"	M 3-1	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 5-2L	21"x21"	1	35	35									AHEAD
24	RT OF J4-1 (BUS 45)	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									RIGHT
25	100' E OF PEARL ST INTERSECTION ON WOLF RIVER AVE	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									AHEAD
26	100' W OF PEARL ST INTERSECTION ON WOLF RIVER AVE	MO 4-8	24"x12"	1	35	35									
	"	M 3-1	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									AHEAD
27	200' E OF WYMAN ST INTERSECTION ON WOLF RIVER AVE	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									AHEAD
28	200' W OF WYMAN ST INTERSECTION ON WOLF RIVER AVE	MO 4-8	24"x12"	1	35	35									
	"	M 3-1	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 5-1R	21"x21"	1	35	35									
29	@ BEGINNING OF RT TURN LANE WOLF RIVER AVE @ SHAWANO S	MO 4-8	24"x12"	1	35	35									
	"	M 3-1	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									AHEAD
30	200' N OF WOLF RIVER AVE INTERSECTION ON SHAWANO ST	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									LEFT
31	200' N OF WOLF RIVER AVE INTERSECTION ON SHAWANO ST	MO 4-8	24"x12"	1	35	35									
	"	M 3-1	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									AHEAD
	PAGE SUBTOTALS			48		1,680	0	0	0	0	0	0	0	0	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

TRAFFIC CONTROL DETOUR SIGN SUMMARY - STAGES 1/2

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 35 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.0300 DRUMS DAYS	643.0715 WARNING LIGHTS TYPE C DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0500 FLEXIBLE TUBULAR MARKERS POSTS EACH	643.0600 FLEXIBLE TUBULAR MARKERS BASES EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
32	75' S OF STOP AHEAD SIGN ON SHAWANO ST	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 5-1L	21"x21"	1	35	35									
33	100' S OF W WATER ST INTERSECTION ON SHAWANO ST	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									AHEAD
34	100' N OF W WATER ST INTERSECTION ON SHAWANO ST	MO 4-8	24"x12"	1	35	35									
	"	M 3-1	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									AHEAD
35	100' N OF SLOUGH BRIDGE (N ABUTMENT) ON SHAWANO ST	MO 4-8	24"x12"	1	35	35									
	"	M 3-1	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 5-1R	21"x21"	1	35	35									
36	200' S OF STH 54 INTERSECTION ON SHAWANO ST	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									AHEAD
37	RT OF J4-2 (54-LT & RT; BUS 45 RT)	MO 4-8	24"x12"	1	35	35									
	"	M 3-1	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									RIGHT
38	RT OF J3-3 (D-LT & RT; TO-45-AH; BUS-45-RT)	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									RIGHT
39	LT OF J102 (JCT BUS 45; JCT D)	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 5-1R	21"x21"	1	35	35									
40	500' W OF SIGN # 39 ON HWY 54 (EB)	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	WO 20-2A	48"x48"	1	35	35									
41	LT OF J3-2 (BUS-45-LT; D -LT & RT)	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									LEFT
42	200' E OF SHAWANO ST INTERSECTION ON STH 54 (EB)	MO 4-8A	24"x18"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
43	500' E OF SIGN # 41 ON STH 54 (EB)	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 5-1L	21"x21"	1	35	35									
44	J2-1 (TO-15-AH LT)													1	TO-15-AHEAD LEFT
45	J2-2 (S-45-AH LT; N-45-AH)													1	SOUTH 45 AHEAD LEFT
	PAGE SUBTOTALS			45		1,575	0	0	0	0	0	0	0	2	

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

TRAFFIC CONTROL DETOUR SIGN SUMMARY - STAGES 1/2

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 35 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.0300 DRUMS DAYS	643.0715 WARNING LIGHTS TYPE C DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0500 FLEXIBLE TUBULAR MARKERS POSTS EACH	643.0600 FLEXIBLE TUBULAR MARKERS BASES EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
46	D1-2 (AH - GREEN BAY; LT-HORNTONVILLE/OSHKOSH)													1	LEFT-HORTONVILLE/OSHKOSH
47	J3-3 (S-45-LT; E-54-AH; N-45-AH)													1	SOUTH -45-LEFT
48	J2-2 (S-45-RT; TO-15-RT)													1	TO-15-RIGHT
49	MODIFY J2-2 (S-45-RT; TO-15-RT)	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	EXISTING												
	"	M 1-4	EXISTING												45
	"	MO 6-1	21"x21"	1	35	35									AHEAD
50	D1-3 (AH-WAUPACA; HORTONVILLE/OSHKOSH-RT)													1	HORTONVILLE
51	MODIFY J2-2 (W-54-AH; S-45-AH RT)	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	EXISTING												
	"	M 1-4	EXISTING												45
	"	MO 6-1	21"x21"	1	35	35									AHEAD
52	500' E OF SIGN #51 ON HWY 54 (WB)	MO 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	WO 20-2A	48"x48"	1	35	35									
53	LT OF TYPE 1 (DOWNTOWN-NEW LONDON- NEXT RIGHT)	WO 20-2A	48"x48"	1	35	35									
54	ACROSS FROM SIGN # 53 (LT SIDE FACING SB TRAFFIC)	WO 20-2A	48"x48"	1	35	35									
55	LT OF SIS SIGN (GAS)	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 5-2R	21"x21"	1	35	35									AHEAD
56	ACROSS FROM SIGN # 55 (LT SIDE FACING SB TRAFFIC)	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 5-2R	21"x21"	1	35	35									
57	LT OF TYPE 1 (54/BUS 45; WAUPACA/GREEN BAY; TILT RT)	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-2	21"x21"	1	35	35									RIGHT
58	500' N OF STOP AHEAD SIGN ON SB OFF RAMP TO HWY 54	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 5-1R	21"x21"	1	35	35									
58A	LT OF TYPE 1 (54/BUS 45; WAUPACA/GREEN BAY; TILT RT)	FMS	42"X30"	1	35	35	35								SEE SIGN DETAIL
59	RT OF J3-3 E-54-LT; BUS 45-RT; W-54-RT)	MO 4-8	24"x12"	1	35	35									
	"	M 3-3	24"x12"	1	35	35									
	"	M 1-4	24"x24"	1	35	35									45
	"	MO 6-1	21"x21"	1	35	35									RIGHT
60	CLOSING WB HWY 54 RT TURN LANE AND ENTRANCE RAMP			10					350	350					@ 25' SPACING
61	@ BOTTOM OF SB HWY 45 ON-RAMP	R 11-2R	48"x30"	1	35	35									
62	LOSING EB HWY 54 LT TURN LANE @ SB HWY 45 ENTRANCE RAMP			5					175	175					@ 25' SPACING
63	CLOSING HWY 45 SB			5					175	175					@ 25' SPACING
	"	WO 1-6	48"x24"	1	35	35									RIGHT
	"			10								10	10		@ 50' SPACING
64	FIELD DETERMINED - FACING NB TRAFFFIC	PCMS		1							7				
65	FIELD DETERMINED - FACING SB TRAFFFIC	PCMS		1							7				
	PAGE SUBTOTALS			64		1,120	35	0	700	700	14	10	10	4	
	STAGE 1/2 TOTALS			**184**		**5,145**	**210**	**175**	**700**	**700**	**14**	**10**	**10**	**12**	ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

3

TRAFFIC CONTROL SUMMARY

	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.0300 DRUMS DAYS	643.0715 WARNING LIGHTS TYPE C DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0500 FLEXIBLE TUBULAR MARKERS POSTS EACH	643.0600 FLEXIBLE TUBULAR MARKERS BASES EACH	643.0800 ARROW BOARDS DAYS	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	643.1070 CONES 42-INCH DAYS
STAGE 1 TOTALS	29,532	570	1,140	0	0	14	0	0	0	2	10	0
STAGE 1/2 TOTALS	5,145	210	175	700	700	14	10	10	0	0	12	0
TRAFFIC CONTROL ITEMS SUMMARY TOTALS	9,714	6,711	12,534	10,905	3,169	56	0	0	432	0	0	1088
PROJECT TOTALS	**44,391**	**7,491**	**13,849**	**11,605**	**3,869**	**84**	**10**	**10**	**432**	**2**	**22**	**1,088**

GEOTEXTILE SUMMARY

STATION	TO	STATION	LOCATION	OFFSET	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY	645.0130 GEOTEXTILE TYPE R SY	645.0140 GEOTEXTILE TYPE SAS SY	REMARKS
43+62	--	--	USH 45	LT & RT	55	--	--	
43+72	--	--	USH 45	LT & RT	--	--	1055	
214+37	--	215+06	STH 15 WB	LT	--	218	--	KARST REMEDIATION UNDER NON-ROADWAY AREA
215+46	--	215+74	STH 15 WB	LT	--	44	--	KARST REMEDIATION UNDER NON-ROADWAY AREA
217+00	--	219+50	STH 15 WB	LT & RT	--	2551	--	KARST REMEDIATION UNDER ROADWAY AREA
UNDISTRIBUTED					15	697	265	
FROM PERMANENT EROSION CONTROL					--	1941	--	
				TOTAL	**70**	**5,450**	**1,320**	

TRAFFIC CONTROL SUMMARY

PROJECT	643.5000 TRAFFIC CONTROL EACH	REMARKS
1146-75-73	1	
TOTAL	**1**	

PAVEMENT MARKING REMOVAL SUMMARY

STATION	TO	STATION	LOCATION	646.9010 MARKING REMOVAL LINE WATER BLASTING 4-INCH LF	646.9110 MARKING REMOVAL LINE WATER BLASTING 8-INCH LF	646.9210 MARKING REMOVAL LINE WATER BLASTING WIDE LF	646.9310 MARKING REMOVAL SPECIAL MARKING WATER BLASTING EACH	REMARKS
36+20	--	36+78	USH 45 RT	--	--	--	2	EXISTING RAILROAD CROSSING MARKING
37+67	--	39+33	USH 45 LT	--	166	--	--	RIGHT OF LEFT TURN ONLY LANE
39+33	--	39+33	USH 45 LT & RT	--	--	24	--	STOP LINE
275+25	--	281+25	EAST OF ROUNDABOUT	150	--	--	6	STAGE 1 - DETAIL 2 OF TRAFFIC CONTROL
			TOTAL	**150**	**166**	**24**	**8**	

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UNLESS NOTED OTHERWISE

PAVEMENT MARKING SUMMARY

STATION	TO	STATION	LOCATION	SPV.0090.02 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE LF	SPV.0090.02 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW LF	SPV.0090.03 MARKING LINE GROOVED PERMANENT TAPE 6-INCH LF	SPV.0090.04 MARKING LINE GROOVED BLACK EPOXY 6-INCH LF	SPV.0090.05 MARKING LINE GROOVED PERMANENT TAPE 10-INCH LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY "ONLY" EACH	646.5320 MARKING RAILROAD CROSSING EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	REMARKS
100+87	--	101+13	STH 15 EB	--	--	--	--	26	--	--	--	--	--	--	--	RIGHT EDGE OF RIGHT LANE
100+87	--	109+00	STH 15 EB	720	728	203	203	--	--	--	--	--	--	30	2	--
109+00	--	121+50	STH 15 EB	1,251	1,048	313	313	1,072	--	--	--	--	311	98	2	--
121+50	--	147+50	STH 15 EB	2,540	2,451	650	650	700	--	--	--	--	--	98	2	--
147+50	--	161+00	STH 15 EB	1,297	1,161	340	340	352	--	--	--	--	--	35	1	--
161+00	--	192+00	STH 15 EB	3,101	2,948	774	774	350	--	--	--	--	--	--	--	--
192+00	--	215+75	STH 15 EB	2,362	2,212	592	592	350	--	--	--	--	--	--	--	--
215+75	--	232+00	STH 15 EB	1,561	1,479	406	406	700	--	--	--	--	--	44	1	
232+00	--	250+50	STH 15 EB	1,778	1,667	463	463	350	--	--	--	--	--	38	1	--
250+50	--	256+00	STH 15 EB	552	475	138	138	--	--	--	--	--	--	--	--	--
100+57	--	100+62	STH 15 WB	--	--	--	--	--	--	--	--	17	--	--	--	--
100+68	--	109+00	STH 15 WB	821	747	75	75	743	5	2	--	28	--	10	--	--
109+00	--	121+50	STH 15 WB	1,189	1,098	310	310	--	--	--	--	--	--	43	--	--
121+50	--	147+50	STH 15 WB	2,522	2,448	649	649	350	--	--	--	--	--	91	--	--
147+50	--	160+50	STH 15 WB	1,285	1,126	323	323	898	--	--	--	--	271	50	--	--
160+50	--	192+00	STH 15 WB	3,098	2,948	773	773	350	--	--	--	--	--	--	--	--
192+00	--	216+00	STH 15 WB	2,412	2,238	602	602	350	--	--	--	--	--	--	--	--
216+00	--	232+00	STH 15 WB	1,639	1,483	410	410	350	--	--	--	--	--	44	--	--
232+00	--	250+50	STH 15 WB	1,842	1,627	462	462	979	--	--	--	--	293	57	--	--
250+50	--	258+26	STH 15 WB	750	696	188	188	350	--	--	--	--	--	--	--	--
33+66	--	39+44	USH 45 LT	--	--	--	--	--	3	2	--	23	85	10	1	--
33+66	--	39+44	USH 45 RT	--	--	--	--	--	--	--	2	28	--	--	--	--
40+65	--	43+64	USH 45 RT	--	--	--	--	--	--	--	2	--	--	--	--	--
40+65	--	43+80	USH 45 LT	--	--	--	--	--	4	2	--	50	--	12	2	--
43+71	--	50+50	USH 45 RT	--	--	--	--	--	--	--	--	--	--	--	--	--
43+85	--	50+51	USH 45 LT	--	--	--	--	--	--	--	4	--	--	10	1	--
21+00	--	21+09	RIVER ROAD	--	--	--	--	--	--	--	--	--	--	--	--	--
28+96	--	29+05	CROSS ROAD	--	--	--	--	--	--	--	--	--	--	--	--	--
18+91	--	19+00	KELLY DRIVE	--	--	--	--	--	--	--	--	--	--	--	--	--
275+25	--	281+25	STH 15 WB	--	--	150	150	--	6	--	--	--	--	--	--	WITHIN ROUNDABOUT AND EAST OF ROUNDABOUT
			SUBTOTALS	30,720	28,580	7,820	7,820	8,270	18	6	8	146	960	670	13	--
			TOTAL	**59,300**		**7,820**	**7,820**	**8,270**	**18**	**6**	**8**	**146**	**960**	**670**	**13**	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

MARKING LINE EPOXY 4-INCH AND 8-INCH AND SYMBOL EPOXY SUMMARY

STA	TO	STA	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH YELLOW LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.5220 MARKING SYMBOL EPOXY EACH	646.8320 MARKING PARKING STALL EPOXY LF
26+07	--	33+66	USH 45 RT	190	--	--	--	-
33+66	--	39+44	USH 45 LT	--	564	475	--	-
33+66	--	39+44	USH 45 RT	581	--	260	--	-
39+44	--	40+87	USH 45	--	--	42	--	-
40+65	--	43+64	USH 45 RT	373	286	--	--	-
40+65	--	43+80	USH 45 LT	320	270	443	--	-
40+60	--	40+79	USH 45 LT	10	--	10	--	-
43+71	--	50+50	USH 45 RT	849	659	--	--	-
43+85	--	50+51	USH 45 LT	827	661	50	--	-
23+18	--	25+12	CROSS ROAD	--	--	200	--	-
			PARK AND RIDE	-	--	--	1	690
			SUBTOTALS	3,150	2,440	1,480	1	690
			TOTALS	**5,590**		**1,480**	**1**	**690**

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH SUMMARY

LOCATION	643.3105 TEMPORARY MARKING LINE PAINT 4-INCH LF	643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF	REMARKS
STAGE 1			
ROUNDABOUT	--	600	
STAGE 2B			
STH 15	1480	--	
STAGE 1B			
STH 15	--	1480	
TOTAL	**1480**	**2080**	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

3

3

STAKING SUMMARY

STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	REMARKS
101+80	--	103+00	STH 15 EB	122	--	120	120	
101+85	--	106+00	STH 15 WB	416	--	415	416	
103+00	--	109+19	STH 15 EB	620	--	619	620	
106+00	--	109+19	STH 15 WB	320	--	319	320	
109+19	--	121+49	STH 15 EB	1,232	--	1,229	1,231	
109+19	--	121+49	STH 15 WB	1,232	--	1,229	1,231	
121+49	--	147+65	STH 15 EB	2,618	--	2,615	2,617	
121+49	--	147+52	STH 15 WB	2,605	--	2,602	2,604	
147+65	--	159+46	STH 15 EB	1,183	--	1,181	1,182	
147+52	--	158+99	STH 15 WB	1,150	--	1,146	1,148	
159+46	--	192+00	STH 15 EB	3,256	--	3,253	3,255	
158+99	--	192+00	STH 15 WB	3,303	--	3,300	3,302	
192+00	--	215+72	STH 15 EB	2,374	--	2,371	2,373	
192+00	--	215+07	STH 15 WB	2,310	--	2,306	2,308	
215+72	--	232+16	STH 15 EB	1,646	--	1,643	1,645	
215+07	--	232+16	STH 15 WB	1,711	--	1,708	1,710	
232+16	--	250+40	STH 15 EB	1,826	--	1,823	1,825	
232+16	--	250+20	STH 15 WB	1,806	--	1,804	1,805	
250+40	--	256+00	STH 15 EB	560	--	560	560	
250+20	--	255+77	STH 15 WB	557	--	557	558	
33+66	--	40+66	USH 45	701	--	--	700	
40+66	--	50+50	USH 45	986	986	--	985	
--	--	--	USH 45 & STH 15	--	--	--	1,420	NORTHEAST QUADRANT OF INTERSECTION
80+47	--	83+61	WOLF RIVER RUN	315	315	--	315	
20+86	--	29+00	RIVER ROAD	815	814	--	815	
17+00	--	29+19	CROSS ROAD	1,221	1,220	--	1,220	
42+00	--	50+00	LEDGE HILL ROAD	800	800	--	800	
16+00	--	19+14	KELLY DRIVE	315	315	--	315	
			TOTAL	**36,000**	**4,450**	**30,800**	**37,400**	

CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS SUMMARY

PROJECT	650.8501 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS EACH	REMARKS
1146-75-73	1	
	1	

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL AND SIDEWALK SUMMARY

PROJECT	650.9500 CONSTRUCTION STAKING SIDEWALK EACH	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL EACH	REMARKS
1146-75-73	1	1	
	1	**1**	

CONSTRUCTION STAKING STRUCTURE LAYOUT SUMMARY

STRUCTURE	650.6501 CONSTRUCTION STAKING STRUCTURE LAYOUT EACH	CATEGORY	REMARKS
C-44-121	1	0020	
C-44-122	1	0030	
C-44-123	1	0040	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

Conduit Rigid Nonmetallic Schedule 40

Location					
USH 45 & STH 15/Bus 45 (S44-0859)		652.0135	652.0225	652.0235	652.0615
		Rigid Metallic	2-Inch	3-Inch	3-Inch
		3-inch			Special
FROM	TO	LF	LF	LF	LF
CB1	PB1			10	
CB1	PB1			10	
CB1	PB2			10	
CB1	PB2			10	
PB2	Splice point		80		
PB2	PB3				40
PB2	PB3				40
PB3	PB4				70
PB3	PB4				70
PB4	SB12		20		
PB4	PB5		40		
PB4	PB6			50	
PB4	PB6			50	
PB6	SB13			10	
PB6	PB7			70	
PB6	PB7			70	
PB7	SB1		10		
PB7	PB8			40	
PB7	PB8			40	
PB8	SB2		10		
PB7	PB9			40	
PB7	PB9			40	
PB9	Drain		10		
PB9	PB10			70	
PB9	PB10			70	
PB10	SB3		10		
PB10	PB11			60	
PB10	PB11			60	
PB11	SB4			20	
PB11	SB5		10		
PB11	PB12		40		
PB12	PB13		150		
PB13	PB14		220		
PB11	PB15			70	
PB11	PB15			70	
PB15	PB16				50
PB15	PB16				50
PB16	SB7			30	
PB16	PB17			30	
PB1	PB21				60
PB1	PB21				60
PB21	SB10			10	
LCB1	LB1		20		
LB1	LB2		130		
PB18	PB22		205		
PB10	PB23		170		
PB26	PB25	140			
	TOTALS	140	1,125	940	440

Pull Boxes, Steel

LOCATION	653.0105 12x24-Inch EACH	653.0140 24x42-Inch EACH	653.0905 Removing Pullboxes EACH
USH 45 & STH 15/Bus 45 (S44-0859)	11	13	7
TOTALS	11	13	7

Concrete Bases

LOCATION	654.0101 Type 1 EACH	654.0102 Type 2 EACH	654.0105 Type 5 PNR EACH	654.0110 Type 10 EACH	654.0113 Type 13 EACH	654.0217 Control Cabinet Type 9 Special EACH	654.0224 Control Cabinet Type L24 EACH
USH 45 & STH 15/Bus 45 (S44-0859)	4	1	2	2	2	1	1
TOTALS	4	1	2	2	2	1	1

Removing Concrete Bases

LOCATION	204.0195 EACH
USH 45 & STH 15/Bus 45 (S44-0859)	8
TOTAL	8
TOTAL FROM REMOVING CONCRETE BASE SUMMARY	4
PROJECT TOTAL	12

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

3

Loop Detectors

LOCATION	LOOP NO.	# OF TURNS	652.0800 Conduit LF	655.0700 Lead In Cable LF	655.0800 Wire LF
USH 45 & STH 15/Bus 45 (S44-0859)	11			360	
	12			360	
	22			220	
	21	4	70	435	250
	31	2	90	370	190
	41	2	60	445	120
	42			140	
	43			210	
	44			140	
	51	2	100	180	230
	52	2	90	180	200
	53	2	100	140	230
	54	2	90	140	200
	61	4	70	875	250
	62	4	70	660	250
	71			140	
	81	2	60	540	120
	82	2	90	370	190
	83	2	100	370	210
	84	2	90	300	190
	85	2	90	300	190
		TOTALS	1,100	6,155	2,570

ALL ITEMS ARE CATEGORY 0010
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TRAFFIC SIGNALS

	656.0201						
	Electrical Service		657.0255				
	Meter Breaker	657.0100	Transformer Bases	657.0315	657.0322	657.0420	657.0425
	Pedestal	Pedestal Bases	Breakaway				
			11 1/2-Inch	Pole	Pole	Traffic Signal	Traffic Signal
			Bolt Circle	Type 4	Type 5	13-FT Standard	15-FT Standard
					PNR		
LOCATION	EACH	EACH	EACH	EACH	EACH	EACH	EACH
USH 45 & STH 15/Bus 45 (S44-0859)	1	8	1	1	0	5	3
Park and Ride	1		2		2		
TOTALS	2	8	3	1	2	5	3

TRAFFIC SIGNALS

						658.0173	658.0174
	657.0351	657.0361	657.0520	657.0530	657.0555	Traffic	Traffic
						Signal	Signal
						Face	Face
	Poles	Poles	Monotube	Monotube	Monotube	3S 12 Inch	4S 12 Inch
	Type 10 OH	Type 13 OH	Arms 20-FT	Arms 30-FT	Arms 55-FT		
LOCATION	EACH	EACH	EACH	EACH	EACH	EACH	EACH
USH 45 & STH 15/Bus 45 (S44-0859)	2	2	1	1	2	21	6
TOTALS	2	2	1	1	2	21	6

TRAFFIC SIGNALS

	SPV.0060.04	658.5070
	Salvage	Signal
	Traffic	Mounting
	Signals	Hardware
	(USH 45 & STH 15/Bus 45)	(USH 45 & STH 15/Bus 45)
LOCATION	EACH	EACH
USH 45 & STH 15/Bus 45 (S44-0859)	1	1
TOTALS	1	1

ALL ITEMS ARE CATEGORY 0010
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TRAFFIC SIGNAL CABLE

USH 45 & STH 15/Bus 45 (S44-0859)	655.0230	655.0240	655.0260		655.0230	655.0240
					Base to Head	Base to Head
	5-14	7-14	12-14	HEAD	5-14	7-14
	AWG	AWG	AWG	NO.	AWG	AWG
From CB1 to	LF	LF	LF		LF	LF
SB1	320			OLA-1	15	
SB2			370	7C		20
				8A	20	
SB3			450	3A		20
				7B		20
SB4	530			4C	60	
				4B	15	
SB5			520	5D		15
				6A	15	
SB6	460			1A	15	
SB7			410	5C		80
				5B		70
				2C	60	
				2B	40	
SB8			260	4A	20	
				3C		20
SB9			180	3B		20
				7A		20
SB10	120			8C	50	
				8B	15	
SB11			130	2A	15	
				8B		15
SB12			190	OLA-2		15
				5A		15
SB13			230	1B		80
				6C	70	
				6B	60	
Sub Total	1,430	0	2,740		470	410
TOTALS	1,900	410	2,740			

Signal Indication		Conductor Color
Red	=	Red
Yellow	=	Orange
Green	=	Green
Red Arrow	=	Red w/Black Tracer
Yellow Arrow	=	Black w/White
Yellow Flashing Arrow	=	White w/Black
Green Arrow	=	Blue w/Black

PEDS

Walk	=	Green
Don't Walk	=	Red
Button	=	Black & Orange

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NOTE: If there is a back to back 3 section with ball indications, then use solid colored conductors for NB & EB, and tracer conductors for SB & WB.

NOTE: Lead-in Cable shall be pulled in separately from other cables/wires and enter the Control Cabinet in a separate conduit if provided.

PROJECT ID:	1146-75-71
INTERSECTION:	USH 45@STH 15/BUS45, S#68-0859

Signal Wire Color Coding	BLK - black	RED - red	GRN - green
	WHT - white	BLU - blue	ORG - orange

CB1 TO	AWG 14 # OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR						
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	Flashing Yellow
SB1	5	OLA-1	OLA	RED				ORG	GRN	
SB2	12	8A	8	RED	ORG	GRN				
		7C	7				RED/BLK	ORG/BLK	GRN/BLK	BLK
SB3	12	3A	3				RED	ORG	GRN	BLK
		7B	7				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT
SB4	5	4B, 4C	4	RED	ORG	GRN				
SB5	12	6A	6	RED	ORG	GRN				
		5D	5				RED/BLK	ORG/BLK	GRN/BLK	
SB6	5	1A	1				RED	ORG	GRN	
SB7	12	2B, 2C	2	RED	ORG	GRN				
		5B, 5C	5				RED/BLK	ORG/BLK	GRN/BLK	
SB8	12	3C	3				RED	ORG	GRN	BLK
		4A	4	RED/BLK	ORG/BLK	GRN/BLK				
SB9	12	3B	3				RED	ORG	GRN	BLK
		7A	7				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT
SB10	5	8B, 8C	8	RED	ORG	GRN				
SB11	12	1C	1				RED	ORG	GRN	
		2A	2	RED/BLK	ORG/BLK	GRN/BLK				
SB12	12	OLA-2	OLA	RED				ORG	GRN	
		5A	5				RED/BLK	ORG/BLK	GRN/BLK	
SB13	12	6B, 6C	6	RED	ORG	GRN				

Equipment grounding conductor 10 AWG Green XLP	
From	To
CB1	SB12
SB12	SB13
SB13	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
CB1	PB2
PB2	PB3
SB12	PB4
SB13	PB6
SB1	PB7
SB1	PB9
SB2	PB8
SB3	PB10
SB5	PB11
SB6	PB15
SB7	PB16
PB16	PB17
SB8	PB19
PB19	PB18
SB9	PB20
SB10	PB21
CB1	PB1

Lighting UF #12/2 w/ground	
From	To
CB1	SB13
CB1	SB2
CB1	SB4
CB1	SB7
CB1	SB10

*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications

*Ensure the grounded conductor in the feeder cable and the pole cables are both 12" longer than the ungrounded conductors.

*At the signal bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded conductor.

"Other" column may include shadow box sign

ALL ITEMS ARE CATEGORY 0010
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Electrical Wire Traffic Signals 10 AWG		
LOCATION		655.0515
USH 45 & STH 15/Bus 45 (S44-0859)		
		(Equipment Grounding Conductor)
		(Green)
		LF
FROM	TO	
CB1	SB12	190
CB1	PB1	30
CB1	PB2	30
CB1	PB3	80
SB12	PB4	50
SB12	SB13	120
SB13	PB6	30
SB13	SB1	130
SB1	PB7	30
SB1	SB2	100
SB2	PB8	30
SB1	PB9	80
SB1	SB3	180
SB3	PB10	30
SB3	SB4	130
SB4	PB11	40
SB4	SB5	60
SB5	SB6	150
SB6	PB15	40
SB6	SB7	140
SB7	PB16	50
SB7	PB17	90
SB7	SB8	200
SB8	PB18	70
SB8	PB19	30
SB8	SB9	130
SB9	PB20	30
SB9	SB10	110
SB10	PB21	30
SB10	SB11	60
SB11	CB1	130
	TOTAL	2,600

Electrical Wire Lighting					
			10AWG	12AWG	
LOCATION					655.0610
USH 45 & STH 15/Bus 45 (S44-0859)			655.0615	655.0610	Equipment
			Ungrounded	Ungrounded	Grounding
(240 VOLT SYSTEM)			Conductor	Conductor	Conductor
			(see Circuit Color)	(Black)/(Red)	(Green)
Circuit	FROM	TO	LF	LF	LF
A	LCB1	LB1	80		
(Black)	LB1	Luminaires		100	50
	LB1	LB2	300		
	LB2	Luminaires		100	50
		SUB-TOTALS	380	200	100
		TOTAL	380	300	

Electrical Wire Lighting 10 AWG		
LOCATION		655.0615
USH 45 & STH 15/Bus 45 (S44-0859)		
		(Equipment Grounding Conductor)
		(Green)
		LF
FROM	TO	
CB1	LB1	40
LB1	LB2	150
	TOTAL	190

ALL ITEMS ARE CATEGORY 0010
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Lighting Summary						
	657.0709	657.0710	657.0812	659.1115	659.1120	659.2124
	Luminaire	Luminaire		Luminaires	Luminaires	Lighting Control
	Arms	Arms	Luminaire	Utility	Utility	Cabinets
	Truss Type	Truss Type	Arms	LED-A	LED-B	120/240 24-inch
	4-Inch Clamp 12-FT	4 1/2-Inch Clamp 12-FT	Steel 12-FT	PNR		
		PNR				
LOCATION	EACH	EACH	EACH	EACH	EACH	EACH
USH 45 & STH 15/Bus 45 (S44-0859)	1	0	4	0	5	0
Park and Ride	0	2		2		1
TOTALS	1	2	4	2	5	1

Signal Lighting Cable		
		655.0305
LOCATION		Type UF
USH 45 & STH 15/Bus 45 (S44-0859)		2-12 AWG
		Grounded
FROM	TO	LF
CB1	SB2	370
CB1	SB4	530
CB1	SB7	410
CB1	SB10	120
CB1	SB13	240
	TOTAL	1670

Electrical Wire Lighting 12 AWG		
LOCATION		
USH 45 & STH 15/Bus 45 (S44-0859)		
120 Volt System		655.0610
FROM	TO	LF
SB2	Luminaire	150
SB4	Luminaire	150
SB7	Luminaire	150
SB10	Luminaire	150
SB13	Luminaire	150
	TOTAL	750

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SAWING SUMMARY

STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
33+66	--	34+99	USH 45	134	--	RIGHT SIDE
34+99	--	35+09	USH 45	52	--	RIGHT SIDE FOR LOOP DETECTOR
35+09	--	37+14	USH 45	205	--	RIGHT SIDE
37+14	--	37+24	USH 45	44	--	RIGHT SIDE FOR LOOP DETECTOR
37+24	--	39+06	USH 45	182	--	RIGHT SIDE
39+05	--	39+28	USH 45	93	--	FOR STORM SEWER REPLACEMENT
39+28	--	40+64	USH 45	135	--	RIGHT SIDE
39+40	--	39+49	USH 45	44	5	SPLITTER ISLAND, LT
40+56	--	40+71	USH 45	37	--	PORKCHOP ISLAND, LT
40+95	--	41+08	USH 45	62	10	PORKCHOP ISLAND, LT
40+63	--	--	USH 45	47	--	PERPENDICULAR TO CENTERLINE
40+63	--	42+66	USH 45	227	--	LEFT SIDE
42+05	--	43+21	USH 45	124	--	LEFT SIDE; PARK AND RIDE LOT
--	--	--	CTH T	55	--	NORTH OF INTERSECTION OF STH 15/USH 45; FOR LOOP DETECTOR
44+84	--	45+86	USH 45	129	3	LEFT SIDE
50+50	--	--	USH 45	27	3	CENTERLINE TO RIGHT SIDE
29+00	--	--	RIVER ROAD	22	--	ALONG SIDEROAD MATCH POINT
17+00	--	--	CROSS ROAD	24	--	ALONG SIDEROAD MATCH POINT
42+00	--	--	LEDGE HILL ROAD	22	--	ALONG SIDEROAD MATCH POINT
16+00	--	--	KELLY DRIVE	22	--	ALONG SIDEROAD MATCH POINT
250+62	--	252+17	STH 15 EB RT	183	--	JOINT FOR NEW DRIVEWAY
256+00	--	--	STH 15 EB	35	--	SAWCUT TEMPORARY RAMP FROM CONCRETE PAVEMENT
255+78	--	--	STH 15 WB	35	--	SAWCUT TEMPORARY RAMP FROM CONCRETE PAVEMENT
			TOTAL	**1,940**	**21**	

INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM SUMMARY

STATION	999.2000.S INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM EACH	REMARKS
EB 228+78	1	
EB 243+29	1	

RECONNECT PIPE UNDERDRAIN SUMMARY

STATION	LOCATION	OFFSET	SPV.0060.01 RECONNECT PIPE UNDERDRAIN EACH	REMARKS
159+06	STH 15 EB	170' LT	1	
225+33	STH 15 EB	42' RT	1	
		TOTAL	**2**	

PIPE UNDERDRAIN RAILROAD 6-INCH SUMMARY

STATION	LOCATION	OFFSET	SPV.0090.01 PIPE UNDERDRAIN RAILROAD 6-INCH LF	REMARKS
43+62	USH 45	LT & RT	165	
		TOTAL	**165**	

REMOVING CONCRETE FROM STREAMBED SUMMARY

STATION	LOCATION	OFFSET	SPV.0180.02 REMOVING CONCRETE FROM STREAMBED SY	REMARKS
243+30	STH 15 EB	RT	13	
		TOTAL	**13**	

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

PROJECT NO. 1146-75-22

STH 76 - NEW LONDON
(LILY OF THE VALLEY DRIVE - USH 45)

STH 15
OUTAGAMIE COUNTY

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, ENGLISH, NAD83(2007) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT. TYPE 2 MONUMENTS ARE TYPICALLY 1" I.D. x 24" IRON PIPES WEIGHING 1.68 LBS/FT. UNLESS OTHERWISE NOTED.

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. EXCLUDING RIGHT-OF-WAY BOUNDARIES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

NOT WITHSTANDING ITS DEPICTION ON A PLAT, THE BOUNDARY OF A PARCEL EXTENDS TO THE BOUNDARY OF THE ADJOINING PROPERTY PARCEL OR BODY OF WATER.

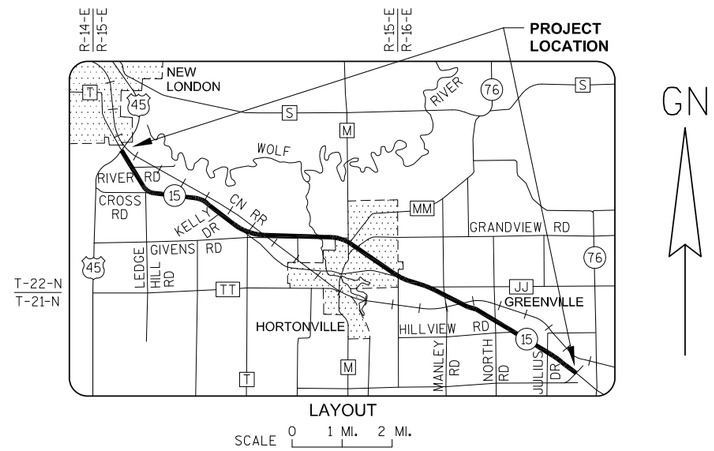
A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY 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 PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE 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, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

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.

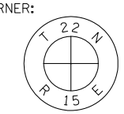
FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGION OFFICE IN GREEN BAY.



CONVENTIONAL SYMBOLS AND ABBREVIATIONS

SECTION LINE		AC	ACRES
QUARTER LINE		ACC	ACCESS CONTROL
SIXTEENTH LINE		AP	ACCESS POINT
NEW REFERENCE LINE		BAR	ROUND IRON REBAR
NEW R/W LINE		BLDG	BUILDING
EXISTING R/W LINE		C	CURVE
PROPERTY LINE	P.L.	CSM	CERTIFIED SURVEY MAP
LOT AND TIE LINES		DOC	DOCUMENT
UNDERGROUND FACILITY	G (TYPE)	E	ELECTRIC CABLE
TEMP. LIMITED EASEMENT		EX	EXISTING
PERM. LIMITED EASEMENT		FO	FIBER OPTIC CABLE
R/W MONUMENT (SET)		FRAC	FRACTIONAL
IRON PIPE OR BAR (FOUND)		G	GAS MAIN
SIGN		GAR	GARAGE
POWER POLE		H	HOUSE
TELEPHONE POLE		HE	HIGHWAY EASEMENT
UTILITY PEDESTAL		INL	INLET
LIGHT POLE		IP	IRON PIPE
POLE		J/I	JACKET/IMAGE
MANHOLE		MC	MEANDER CORNER
INLET		MH	MANHOLE
HYDRANT		M/L	MEANDER LINE
VALVE		N.T.	NON-TANGENT
R/W GUARD POST		OH	OVERHEAD UTILITY LINE
P. POLE (COMPENSABLE)		OL	OUTLOT
PEDESTAL (COMPENSABLE)		PID	TAX PARCEL IDENTIFICATION NUMBER
RECORDED AS	(SLANTED)	PERM	PERMANENT
SAME OWNERSHIP		P.L.	PROPERTY LINE
ACCESS RESTRICTED (BY ACQUISITION)		PLE	PERMANENT LIMITED EASEMENT
ACCESS RESTRICTED (BY PREVIOUS PROJECT/CONTROL)		POS	PLAT OF SURVEY
NO ACCESS (BY STATUTORY AUTHORITY)		PP	POWER POLE
POINT NUMBER, MAJOR	X	R/L	REFERENCE LINE
POINT NUMBER, MINOR	X	ROR	RELEASE OF RIGHTS
POINT NUMBER, EXISTING IRON PIPES / MONUMENTS	X	R/W	RIGHT OF WAY
		RWGP	R/W GUARD POST
		SAN	SANITARY SEWER
		SEC	SECTION
		SS	STORM SEWER
		T	TELEPHONE CABLE
		TEMP	TEMPORARY
		TLE	TEMPORARY LIMITED EASEMENT
		TV	CABLE TELEVISION
		VAR	VARIES
		V/P	VOLUME/PAGE

SECTION CORNER:



REVISED: 05/01/2014

040400_15.DWG

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22-4.01
SHEET 2 OF 2
AMENDMENT NO:

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01
AMENDMENT NO: 1

AMENDS PARCEL 1 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.01, RECORDED AS DOCUMENT #2016623.
PART OF THE NW1/4-NE1/4 OF SECTION 19, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: 2093657
Date: 12-29-2016 Time: 02:23 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE COUNTY State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.01

AMENDMENT NO: 1

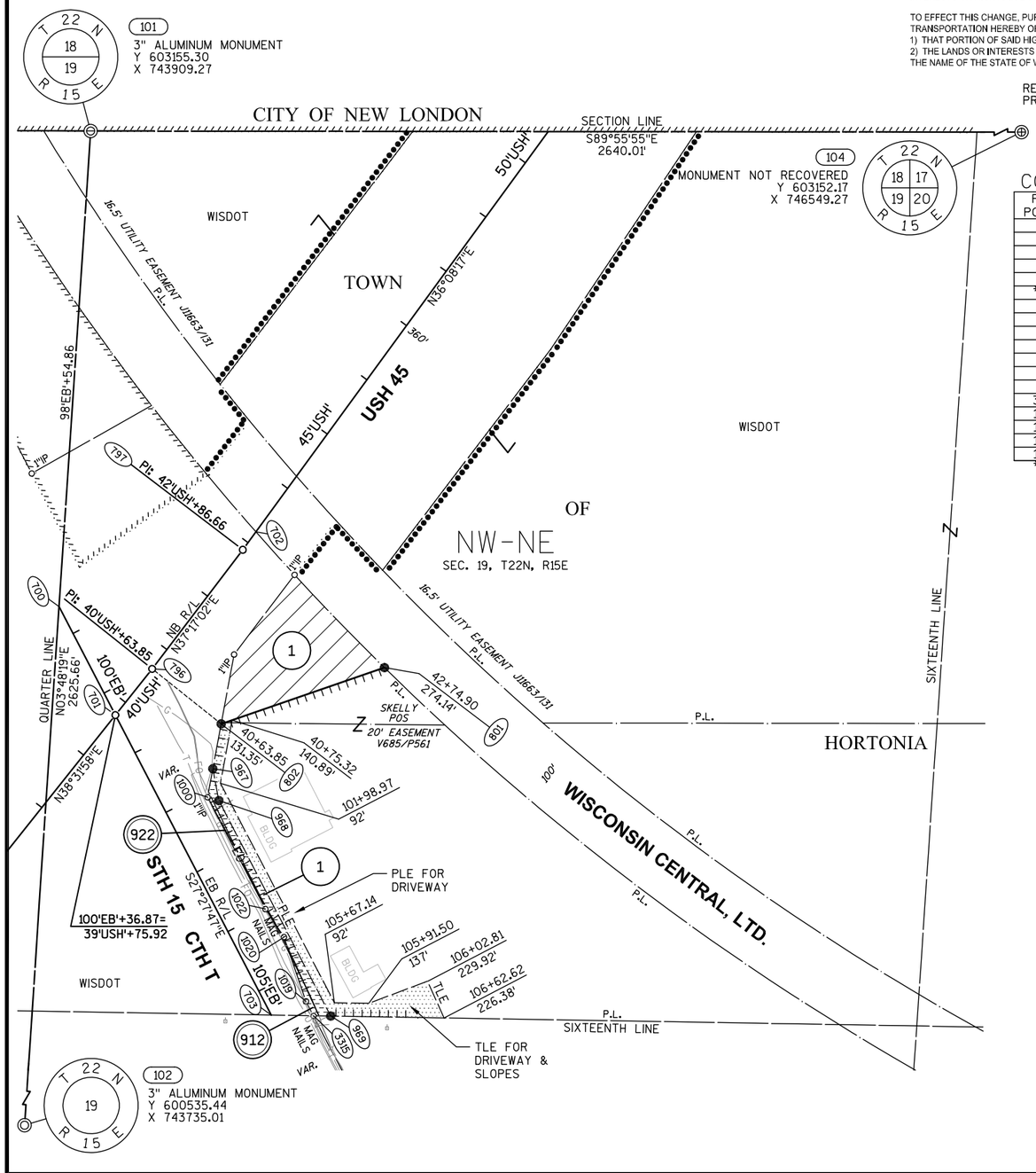
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES PERM.	TLE ACRES TEMP.
1	JERRY A. FRICK	FEE, PLE, ACCESS RIGHTS, TLE	0.592	0	0.592	0.124	0.264

UTILITY INTERESTS REQUIRED:

912	NEW LONDON UTILITIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS



COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
101	700	S03°48'19"W	709.48'
700	701	S27°27'47"E	182.01'
701	796	N38°31'58"E	87.93'
796	797	N37°17'02"E	222.81'
797	702	N36°08'17"E	33.10'
*702	801	S43°26'48"E	278.44'
801	802	S71°00'50"W	257.21'
802	796	N51°28'02"W	131.35'
802	967	S10°30'31"W	67.97'
967	968	S10°41'35"E	48.31'
968	969	S27°27'47"E	361.39'
969	3315	N89°02'12"W	25.75'
3315	1019	N27°27'47"W	24.12'
1019	1020	N18°55'56"W	101.12'
1020	1022	N33°28'10"W	50.28'
1022	1000	N27°23'00"W	187.19'
1000	967	N10°30'31"E	43.21'

*SEE CURVE TABLE

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.18	2011
USH 45	TPP NO: 6430-06-00 - 4.18	2011

EXISTING ACCESS CONTROL: PROJECT 1146-4-21

PLE STATION/OFFSET TABLE

POINT	STATION	OFFSET
967	101+74.67	91.94'
968	102+20.92	78.00'
969	105+82.31	78.00'
3315	105+70.05	55.35'
1019	105+45.92	55.35'
1020	104+45.92	70.35'
1022	103+95.92	65.09'
1000	102+08.73	65.35'

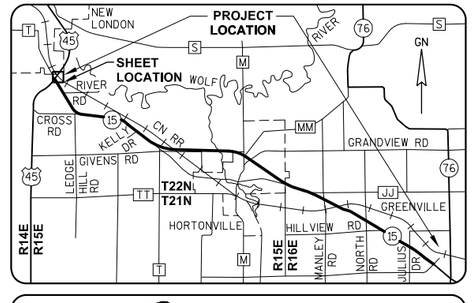
CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
702	801	3877.07'	278.50'	S43°26'48"E	278.44'

GN

SCALE, FEET
0' 100' 200'

WISCONSIN
JAY W. PANETTI
S-2747
WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.01, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 12/22/2016 JAY W. PANETTI
PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 12/23/2016 Curt Van Erem
CURT VAN EREM
REAL ESTATE SUPERVISOR

REVISED: 12/22/2016

040401.15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01

PART OF THE NW1/4-NE1/4 OF SECTION 19, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

Document #: 2016623
Date: 06-04-2014 Time: 10:36 AM Pages: 2
Fee: $25.00 County: OUTAGAMIE State: WI

SARAH R VAN CAMP
REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.01
SHEET 1 OF 2
AMENDMENT NO:

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
1	JERRY A. FRICK	FEE, ACCESS RIGHTS, TLE	0.658	0	0.658	0.234

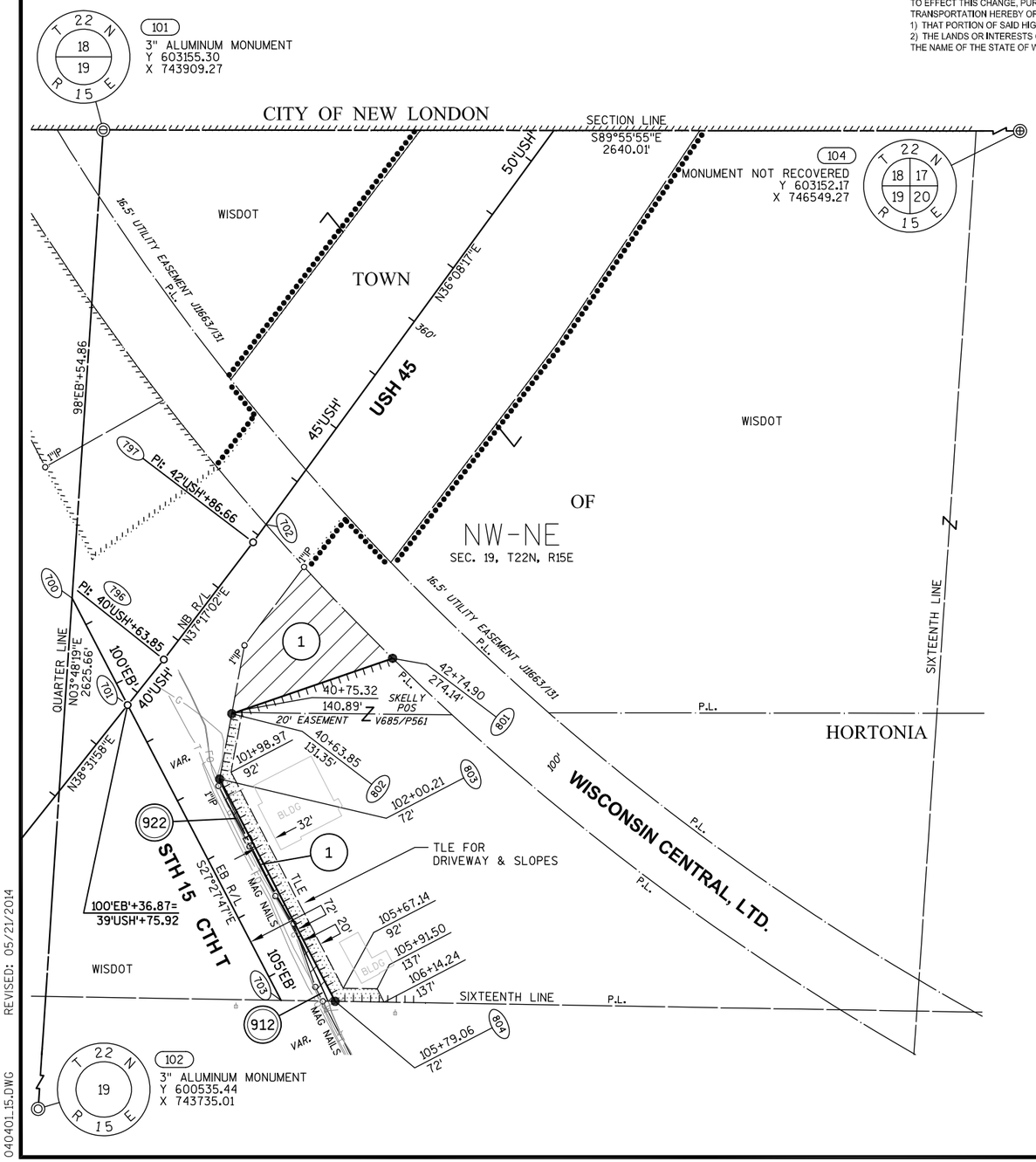
UTILITY INTERESTS REQUIRED:

912	NEW LONDON UTILITIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



GN

SCALE, FEET
0' 100' 200'

WISCONSIN
JAY W. PANETTI
S-2747
WAUPUN, WI
LAND SURVEYOR

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.18	2011
USH 45	TPP NO: 6430-06-00 - 4.18	2011

EXISTING ACCESS CONTROL: PROJECT 1146-4-21

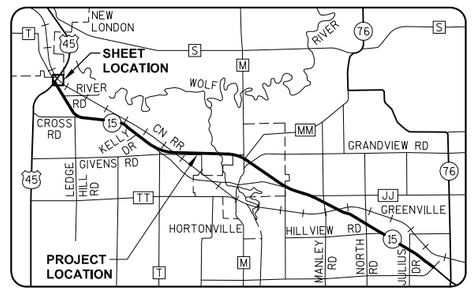
COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
101	700	S03°48'19"W	709.48'
700	701	S27°27'47"E	182.01'
701	796	N38°31'58"E	87.93'
796	797	N37°17'02"E	222.81'
797	702	N36°08'17"E	33.10'
*702	801	S43°26'48"E	278.44'
801	802	S71°00'50"W	257.21'
802	803	S10°30'31"W	100.38'
803	804	S27°27'47"E	378.85'
804	703	N89°02'12"W	81.87'
703	701	N27°27'47"W	503.22'

*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
702	801	3877.07'	278.50'	S43°26'48"E	278.44'



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, 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 WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.01, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 5/21/2014 JAY W. PANETTI RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 6/3/2014 CURT VAN EREM
REAL ESTATE SUPERVISOR

REVISED: 05/21/2014

040401.15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.02

PART OF LOT 1 OF CSM 4173 AND PART OF THE SW1/4-NE1/4 OF SECTION 19, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: 2040562
Date: 04-15-2015 Time: 01:47 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE County State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.02
AMENDMENT NO:

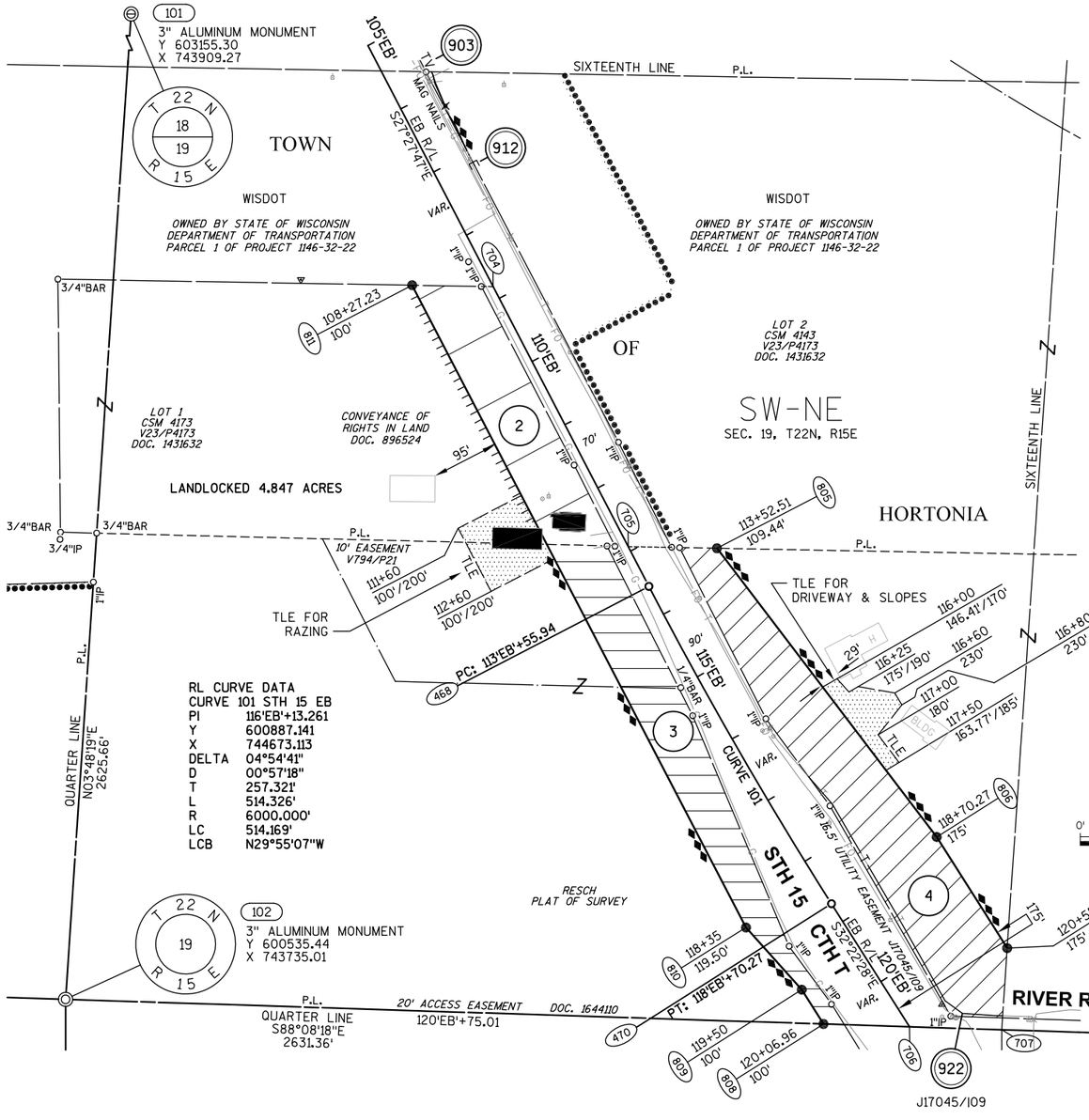
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
2	THOMAS J. SELLS	FEE, ACCESS RIGHTS, TLE	0.803	0	0.803	0.114
3	HORTONIA RIVER ROAD, LLC	FEE, TLE	0.993	0	0.993	0.115
4	RUSSEL J. OBERSTADT	FEE, TLE	1.593	0.026	1.619	0.138

UTILITY INTERESTS REQUIRED:

903	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
912	NEW LONDON UTILITIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS



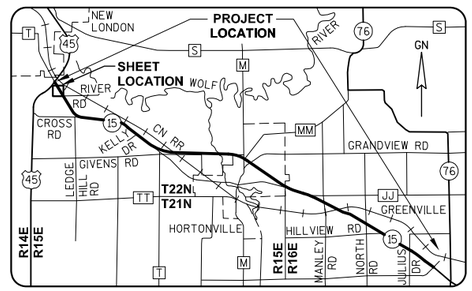
BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.17, 4.18	2011
RIVER ROAD	TPP NO: 6430-06-00 - 4.17	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
105	707	N88°08'18"W	1315.68'
707	706	N88°08'18"W	129.53'
706	808	N88°08'18"W	120.96'
808	809	N32°22'28"W	56.96'
809	810	N41°53'16"W	117.32'
810	811	N27°27'47"W	1016.79'
811	704	S89°00'40"E	113.74'
704	705	S27°27'47"E	411.60'
705	805	S88°56'08"E	124.56'
805	806	S37°17'11"E	509.62'
806	807	S32°22'28"E	184.93'
807	707	S03°51'15"W	114.91'



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.02, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 4/09/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

040402_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.03

PART OF THE SE1/4-NE1/4 OF SECTION 19, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2040563**
Date: **04-15-2015** Time: **01:47 PM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.03
AMENDMENT NO:

SCHEDULE OF LANDS & INTERESTS REQUIRED

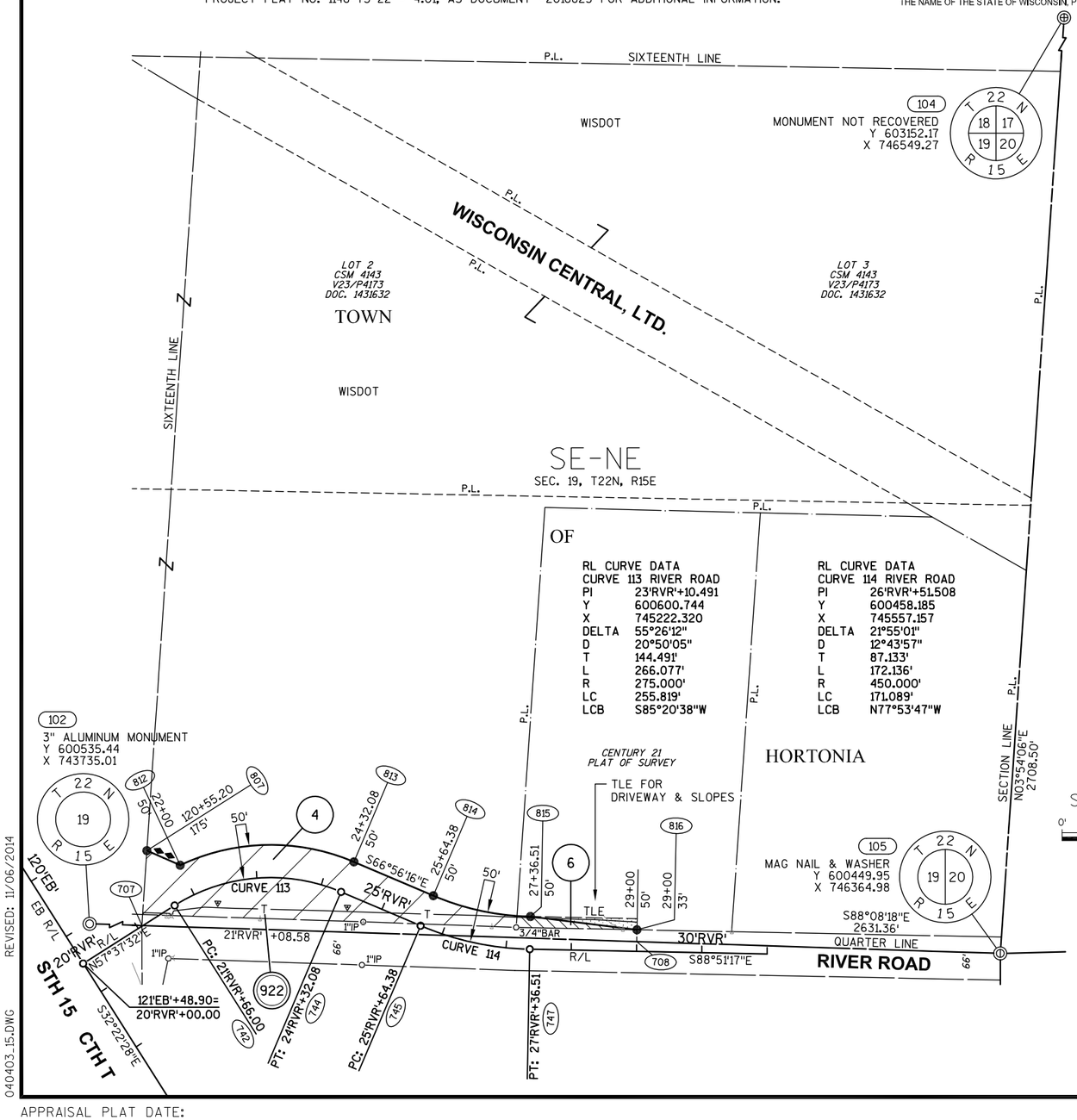
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
4	RUSSEL J. OBERSTADT	FEE	1.011	0.217	1.228	0
6	ROBERT J. FIELDS, JR. & JULIA K. FIELDS	FEE,TLE	0.040	0.072	0.112	0.032

UTILITY INTERESTS REQUIRED:

922	AT&T WISCONSIN	RELEASE OF RIGHTS

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.



GN

SCALE, FEET
0' 100' 200'

WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.17	2011
RIVER ROAD	TPP NO: 6430-06-00 - 4.17	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

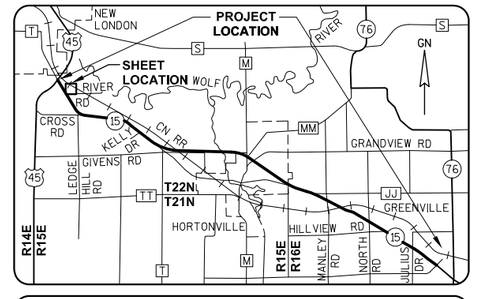
COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
105	708	N88°08'18"W	557.24'
708	707	N88°08'18"W	758.44'
707	807	N03°51'15"E	114.91'
807	812	S66°18'40"E	55.67'
*812	813	N88°53'09"E	266.21'
813	814	S66°56'16"E	132.30'
*814	815	S77°53'47"E	152.08'
815	816	S82°55'06"E	164.37'
816	708	S01°08'43"W	18.12'

*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
812	813	325.00'	274.27'	N88°53'09"E	266.21'
814	815	400.00'	153.01'	S77°53'47"E	152.08'



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point ~ Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.03, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 4/09/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

040403_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.04

PART OF THE NW1/4-SE1/4 OF SECTION 19, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: **2040564**
Date: **04-15-2015** Time: **01:47 PM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

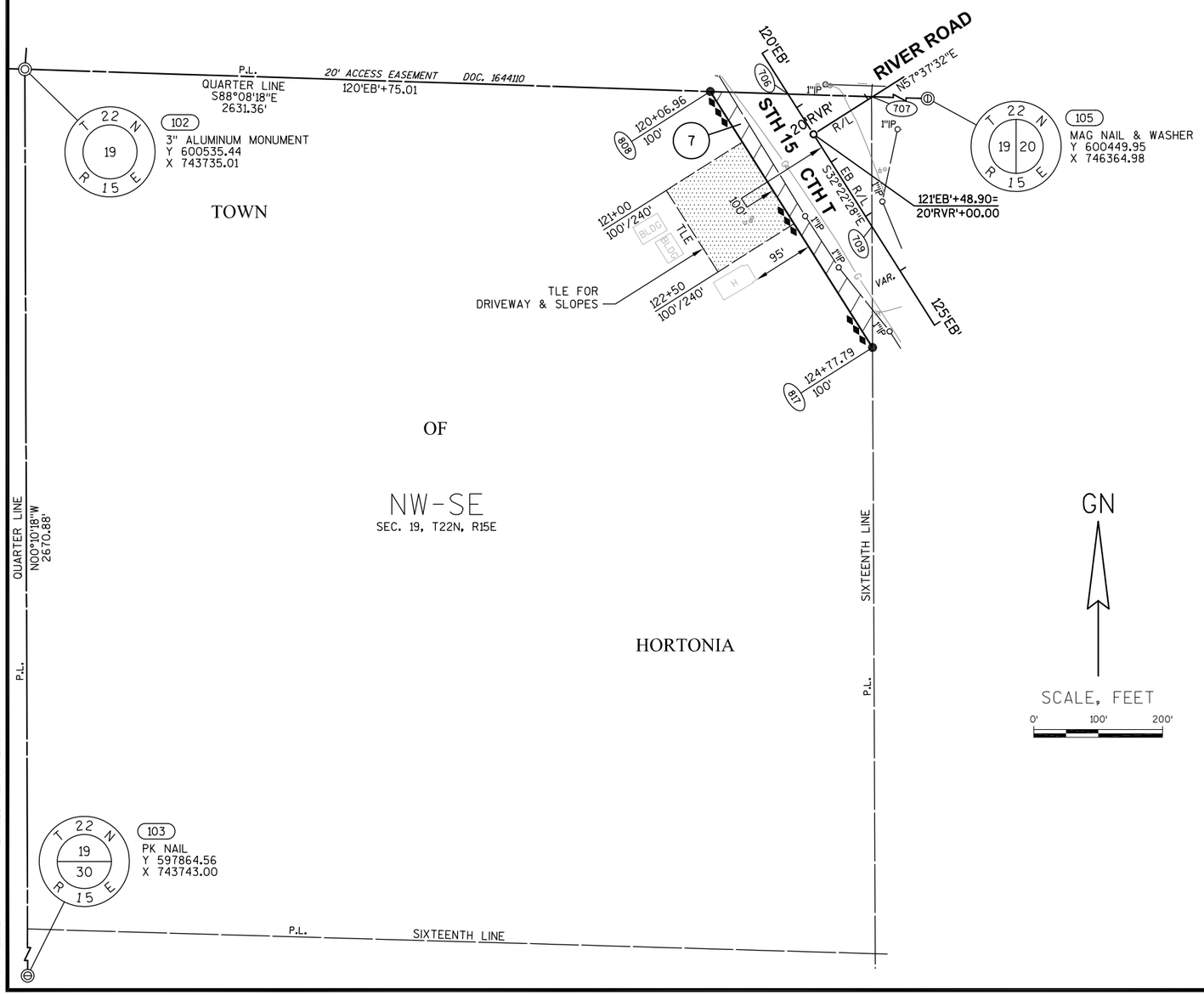
SARAH R VAN CAMP , REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.04
AMENDMENT NO:

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
7	THOMAS ORT	FEE, TLE	0.238	0	0.238	0.482



BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.17	2011
RIVER ROAD	TPP NO: 6430-06-00 - 4.17	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

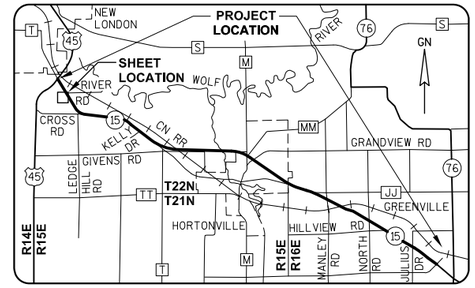
COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
105	707	N88°08'18"W	1315.68'
707	709	S00°15'26"E	201.43'
709	817	S00°15'26"E	188.09'
817	808	N32°22'28"W	470.84'
808	706	S88°08'18"E	120.96'
706	707	S88°08'18"E	129.53'

GN

SCALE, FEET
0' 100' 200'

WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.04, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI
PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 4/09/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

040404_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.05

PART OF THE NE1/4-SE1/4 OF SECTION 19, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: 2040565
Date: 04-15-2015 Time: 01:48 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE COUNTY State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.05
AMENDMENT NO:

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
8	DAVID LATHROP & JON LATHROP	FEE, ACCESS RIGHTS, TLE	4.934	0.808	5.742	0.288

UTILITY INTERESTS REQUIRED:

903	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

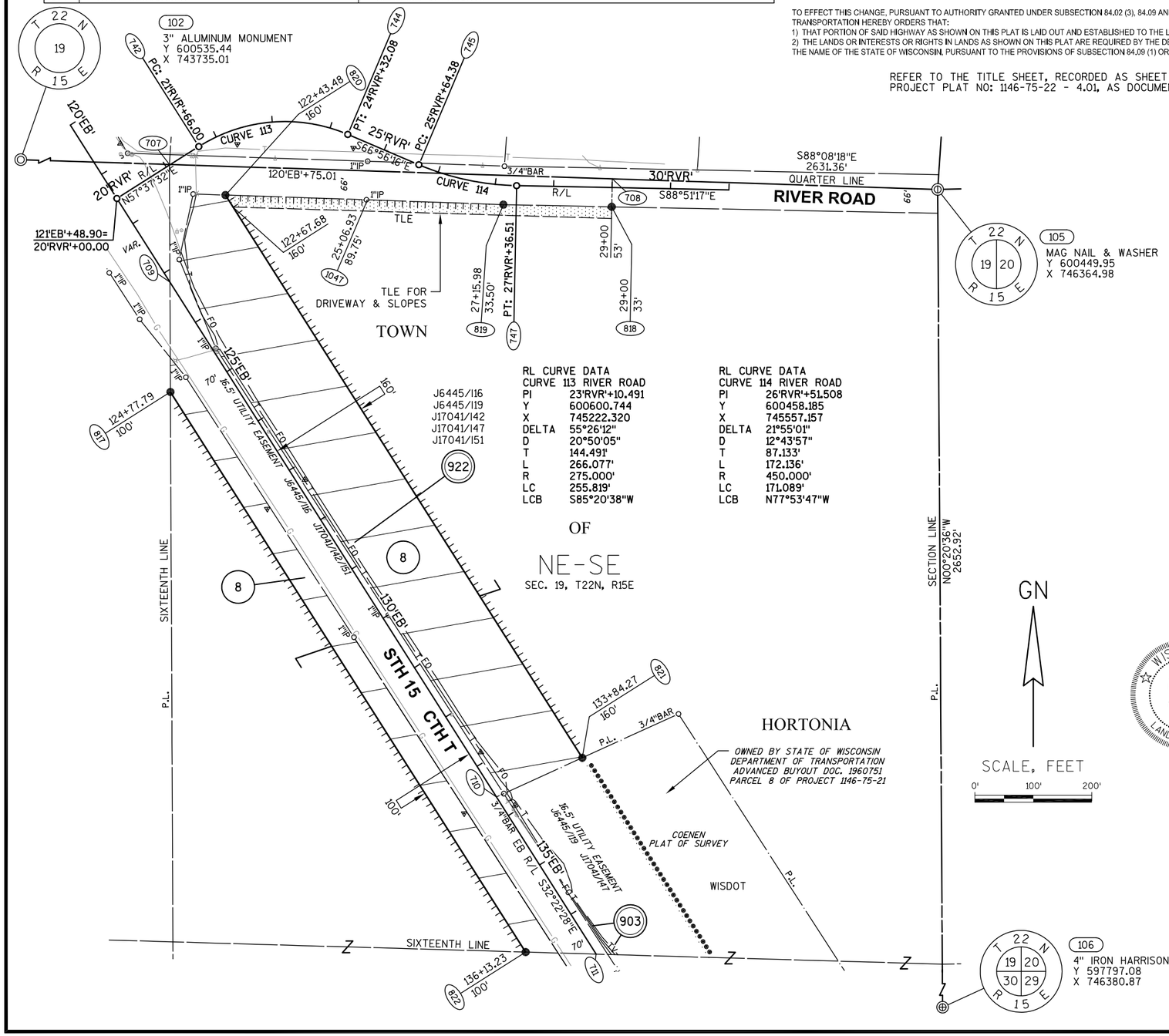
BASIS OF EXISTING HIGHWAY R/W

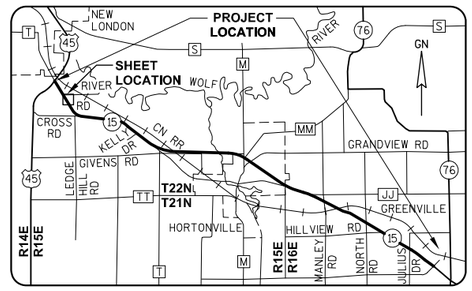
ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.17	2011
RIVER ROAD	TPP NO: 6430-06-00 - 4.17	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
105	708	N88°08'18"W	557.24'
708	818	S01°08'43"W	47.88'
818	819	N88°51'17"W	185.54'
819	820	N88°01'34"W	475.99'
820	821	S32°22'28"E	1140.79'
821	710	S65°29'26"W	161.52'
710	711	S32°22'28"E	318.61'
711	822	N88°20'12"W	120.68'
822	817	N32°22'28"W	1135.44'
817	709	N00°15'26"W	188.09'
709	707	N00°15'26"W	201.43'
707	708	S88°08'18"E	758.44'





GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.05, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 4/09/2015 CURT VAN EREM REAL ESTATE SUPERVISOR

040405_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.06

PART OF THE SE1/4-SE1/4 OF SECTION 19, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: 2029756
Date: 11-12-2014 Time: 01:48 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE County/State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.06
AMENDMENT NO:

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

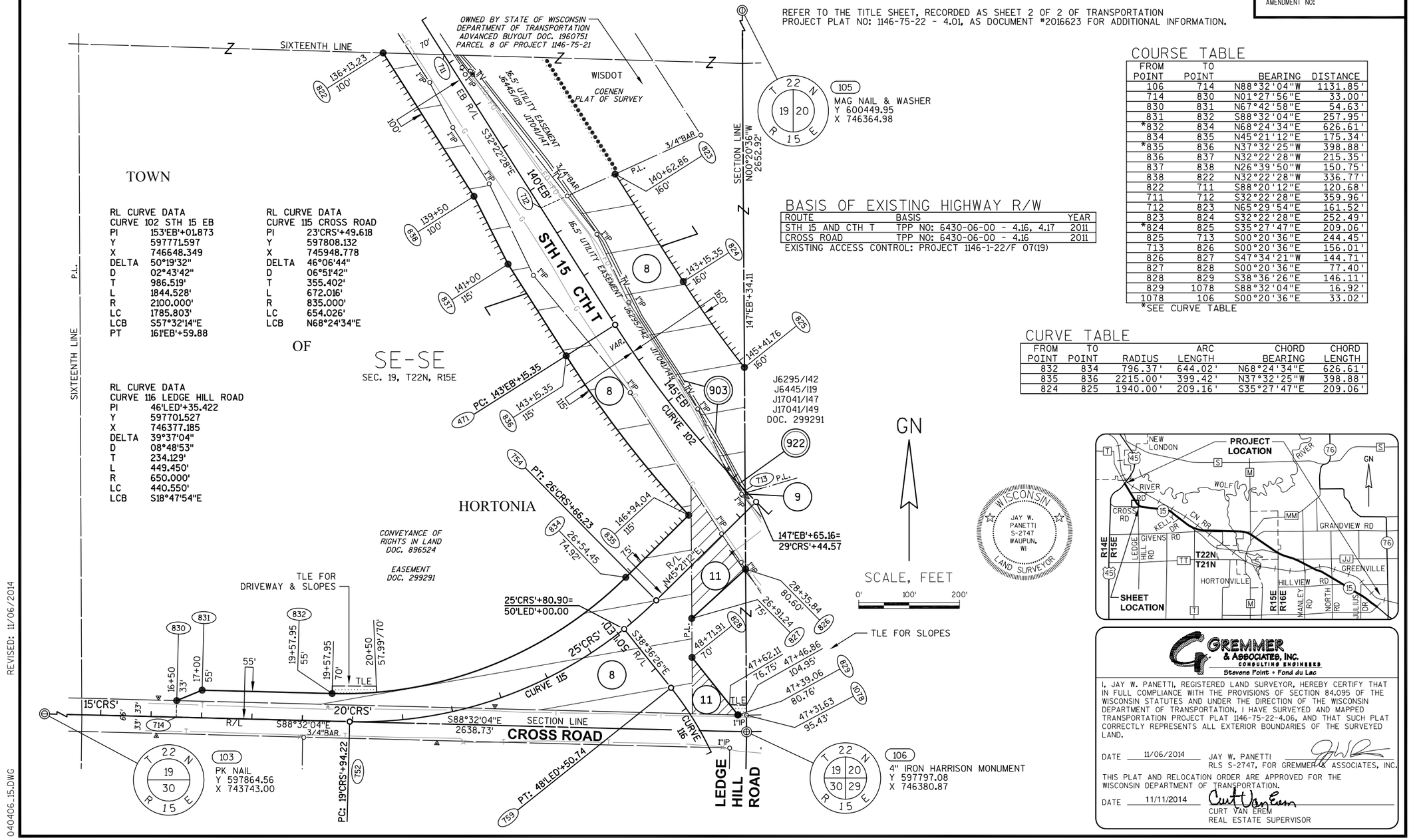
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
8	DAVID LATHROP & JON LATHROP	FEE, ACCESS RIGHTS, TLE	5.061	0.776	5.837	0.029
9	FAITH CHRISTIAN CHURCH	FEE	0.001	0	0.001	0
11	BRIAN J. BERT	FEE,TLE	0.436	0.081	0.517	0.011

UTILITY INTERESTS REQUIRED:

903	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS



RL CURVE DATA

CURVE	102 STH 15 EB
PI	153'EB'+01.873
Y	597771.597
X	746648.349
DELTA	50°19'32"
D	02°43'42"
T	986.519'
L	1844.528'
R	2100.000'
LC	1785.803'
LCB	S57°32'14"E
PT	161'EB'+59.88

RL CURVE DATA

CURVE	115 CROSS ROAD
PI	23'CRS'+49.618
Y	597808.132
X	745948.778
DELTA	46°06'44"
D	06°51'42"
T	355.402'
L	672.016'
R	835.000'
LC	654.026'
LCB	N68°24'34"E

RL CURVE DATA

CURVE	116 LEDGE HILL ROAD
PI	46'LED'+35.422
Y	597701.527
X	746377.185
DELTA	39°37'04"
D	08°48'53"
T	234.129'
L	449.450'
R	650.000'
LC	440.550'
LCB	S18°47'54"E

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.16, 4.17	2011
CROSS ROAD	TPP NO: 6430-06-00 - 4.16	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
106	714	N88°32'04"W	1131.85'
714	830	N01°27'56"E	33.00'
830	831	N67°42'58"E	54.63'
831	832	S88°32'04"E	257.95'
*832	834	N68°24'34"E	626.61'
834	835	N45°21'12"E	175.34'
*835	836	N37°32'25"W	398.88'
836	837	N32°22'28"W	215.35'
837	838	N26°39'50"W	150.75'
838	822	N32°22'28"W	336.77'
822	711	S88°20'12"E	120.68'
711	712	S32°22'28"E	359.96'
712	823	N65°29'54"E	161.52'
823	824	S32°22'28"E	252.49'
*824	825	S35°27'47"E	209.06'
825	713	S00°20'36"E	244.45'
713	826	S00°20'36"E	156.01'
826	827	S47°34'21"W	144.71'
827	828	S00°20'36"E	77.40'
828	829	S38°36'26"E	146.11'
829	1078	S88°32'04"E	16.92'
1078	106	S00°20'36"E	33.02'

*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
832	834	796.37'	644.02'	N68°24'34"E	626.61'
835	836	2215.00'	399.42'	N37°32'25"W	398.88'
824	825	1940.00'	209.16'	S35°27'47"E	209.06'

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, 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 WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.06, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 11/11/2014 CURT VAN EREM REAL ESTATE SUPERVISOR

REVISED: 11/06/2014

040406_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.07

PART OF THE NE1/4-NE1/4 OF SECTION 30, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

Document #: **2040566**
Date: **04-15-2015** Time: **01:48 PM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP, REGISTER OF DEEDS
"* *The above recording information verifies this document has been electronically recorded and returned to the submitter"**

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.07
AMENDMENT NO:

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

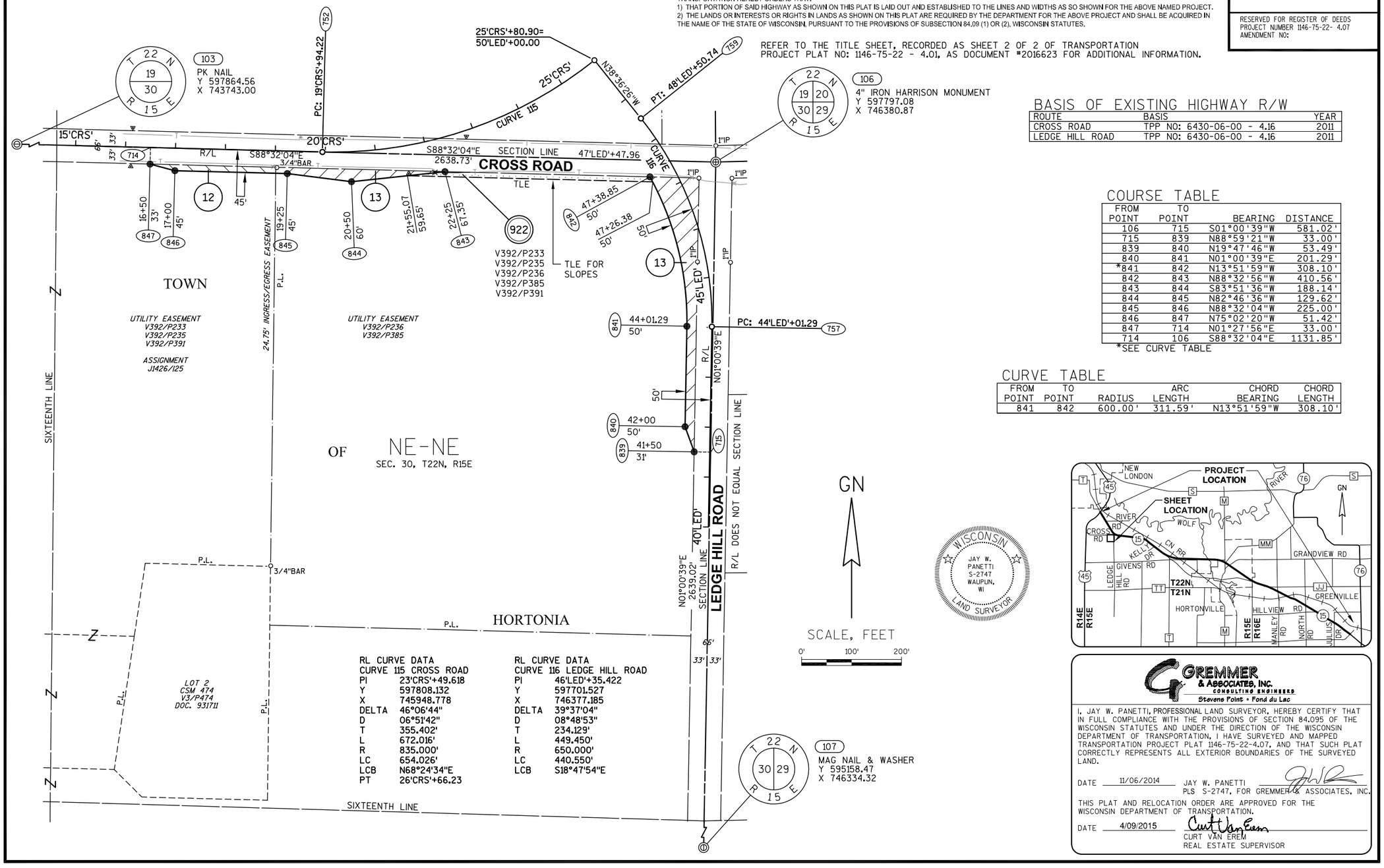
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
12	BARBARA HAMMERBERG	FEE	0.062	0.191	0.253	0
13	KEITH M. KOSTER & BARBARA J. KOSTER	FEE, TLE	0.517	1.082	1.599	0.104

UTILITY INTERESTS REQUIRED:

922	AT&T WISCONSIN	RELEASE OF RIGHTS



BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
CROSS ROAD	TPP NO: 6430-06-00 - 4.16	2011
LEDGE HILL ROAD	TPP NO: 6430-06-00 - 4.16	2011

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
106	715	S01°00'39"W	581.02'
715	839	N88°59'21"W	33.00'
839	840	N19°47'46"W	53.49'
840	841	N01°00'39"E	201.29'
*841	842	N13°51'59"W	308.10'
842	843	N88°32'56"W	410.56'
843	844	S83°51'36"W	188.14'
844	845	N82°46'36"W	129.62'
845	846	N88°32'04"W	225.00'
846	847	N75°02'20"W	51.42'
847	714	N01°27'56"E	33.00'
714	106	S88°32'04"E	1131.85'

*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
841	842	600.00'	311.59'	N13°51'59"W	308.10'

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.07, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 4/09/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

040407_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.08 AMENDMENT NO: 2

AMENDS PARCEL 14 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.08 AMENDMENT NO. 1, RECORDED AS DOCUMENT #2093515. PART OF THE SW1/4-SW1/4 OF SECTION 20, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: 2183800
Date: 02-10-2020 Time: 01:32 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE COUNTY State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
This document has been electronically recorded
Returned to: WisDOT - NE Region - Green Bay - PO 39500-0

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.08
AMENDMENT NO: 2

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
8	DAVID LATHROP & JON LATHROP	FEE, ACCESS RIGHTS	1.203	0	1.203	0
9	FAITH CHRISTIAN CHURCH	FEE, ACCESS RIGHTS	3.195	0	3.195	0
11	BRIAN J. BERT	TLE	0	0	0	0.187
14	CAREW CONCRETE SUPPLY CO., INC.	FEE, TLE	0.114	0	0.114	4.887

UTILITY INTERESTS REQUIRED:

903	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.15, 4.16	2011
CROSS ROAD	TPP NO: 6430-06-00 - 4.16	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

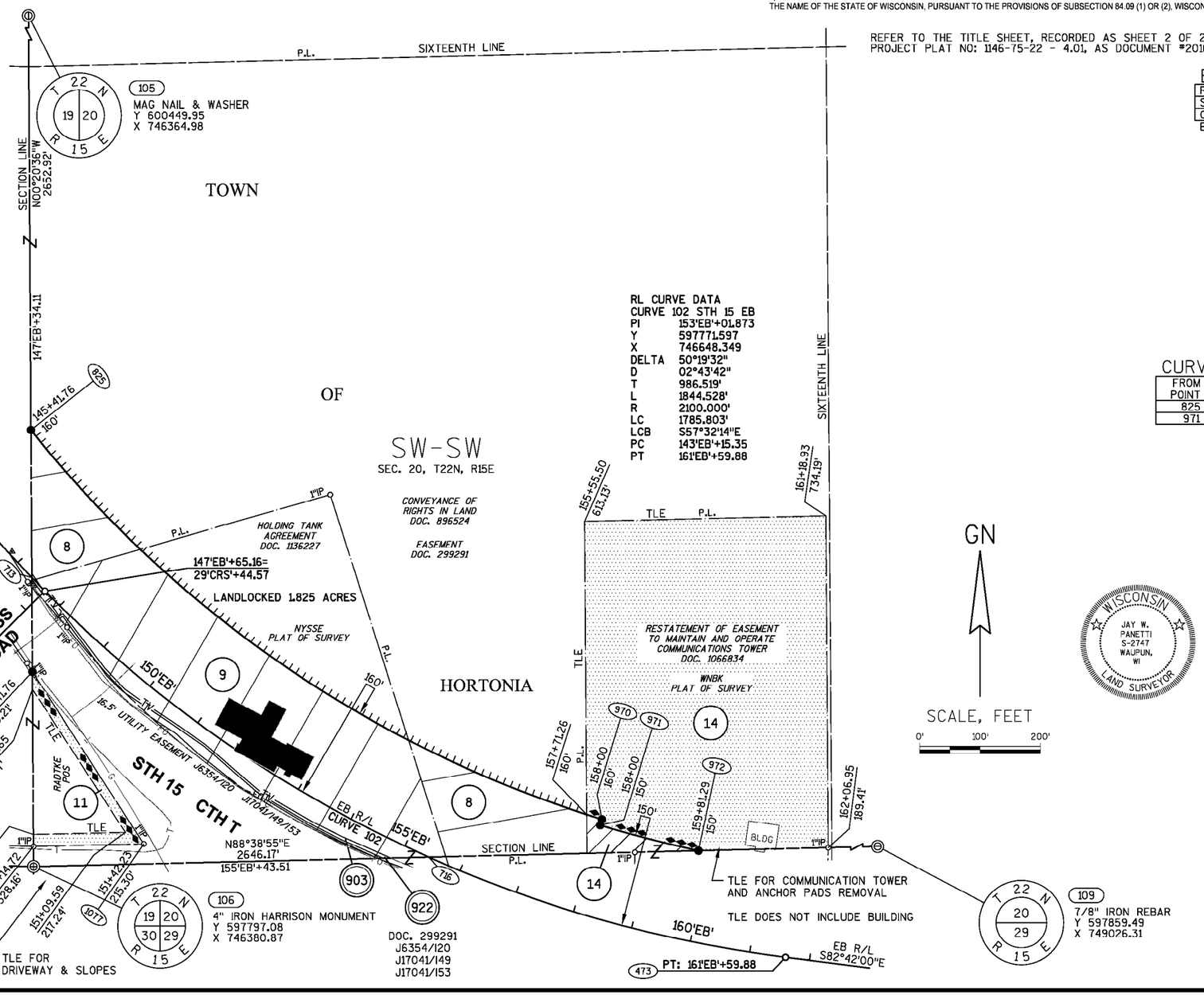
COURSE TABLE

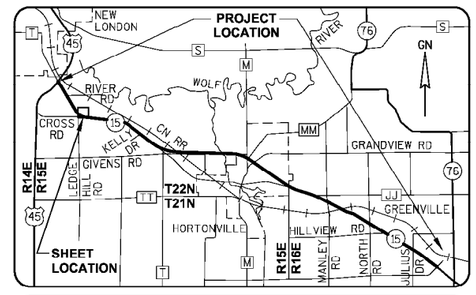
FROM POINT	TO POINT	BEARING	DISTANCE
106	1078	N00°20'36"W	33.02'
1078	1077	N88°43'32"E	182.92'
1077	826	N32°52'52"W	340.04'
826	713	N00°20'36"W	156.01'
713	825	N00°20'36"W	244.45'
*825	970	S55°42'59"E	1145.06'
970	971	S17°07'08"W	10.00'
*971	972	S75°21'15"E	168.28'
972	716	S88°38'55"W	447.01'
716	106	S88°38'55"W	654.96'

*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
825	970	1940.00'	1162.37'	S55°42'59"E	1145.06'
971	972	1950.00'	168.34'	S75°21'15"E	168.28'





GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.08 AMENDMENT NO. 2, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 2/10/2020 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 2/10/2020 CURT VAN EREM REAL ESTATE SUPERVISOR

REVISED: 2/10/2020

040408_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.08 AMENDMENT NO: 1

AMENDS PARCEL 14 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.08, RECORDED AS DOCUMENT #2029757.
PART OF THE SW1/4-SW1/4 OF SECTION 20, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: 2093515
Date: 12-28-2016 Time: 01:08 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE COUNTY State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.08
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
8	DAVID LATHROP & JON LATHROP	FEE, ACCESS RIGHTS	1.203	0	1.203	0
9	FAITH CHRISTIAN CHURCH	FEE, ACCESS RIGHTS	3.195	0	3.195	0
11	BRIAN J. BERT	TLE	0	0	0	0.187
14	CAREW CONCRETE SUPPLY CO., INC.	FEE, TLE	0.114	0	0.114	0.049

UTILITY INTERESTS REQUIRED:

903	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.15, 4.16	2011
CROSS ROAD	TPP NO: 6430-06-00 - 4.16	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

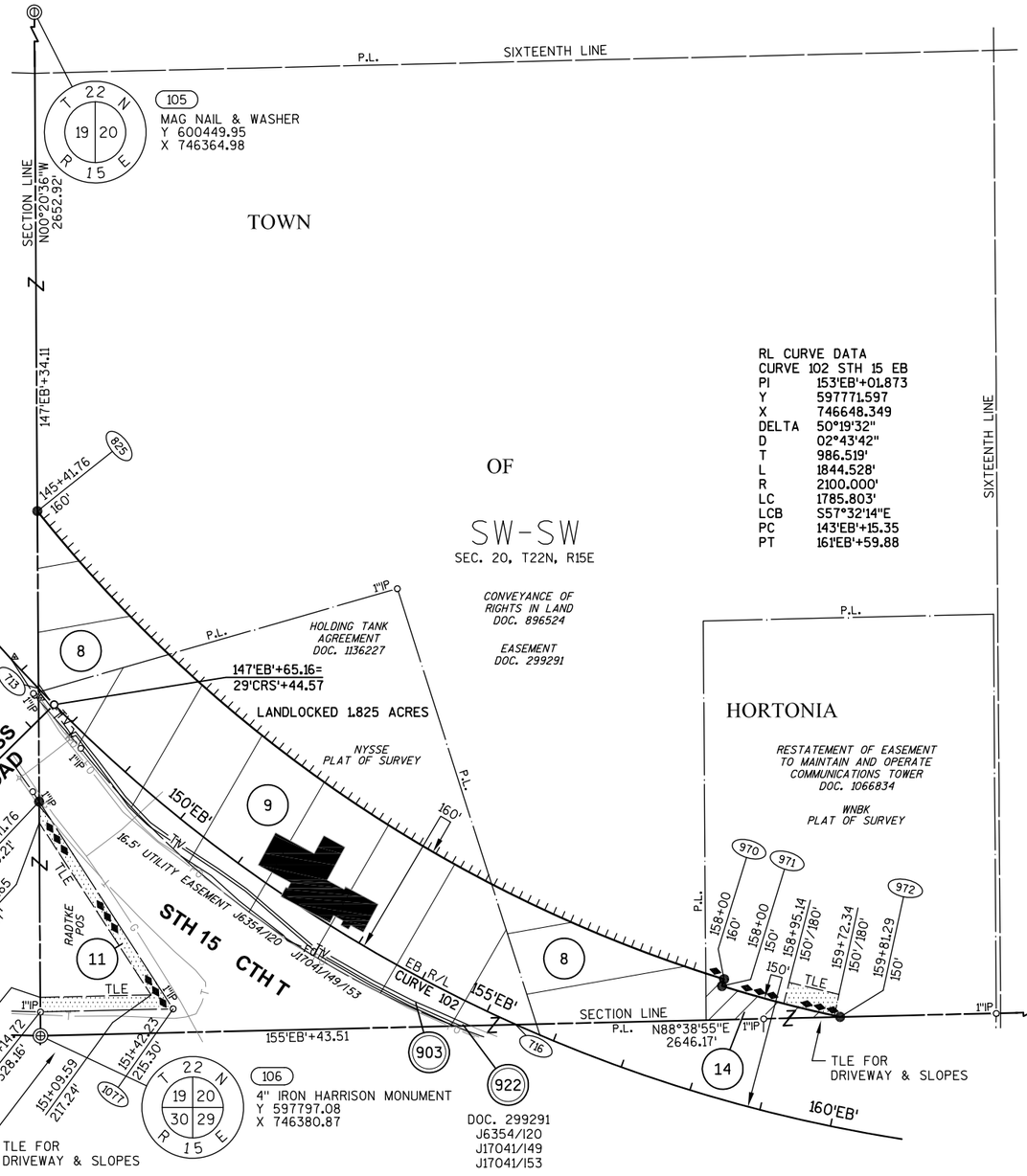
COURSE TABLE

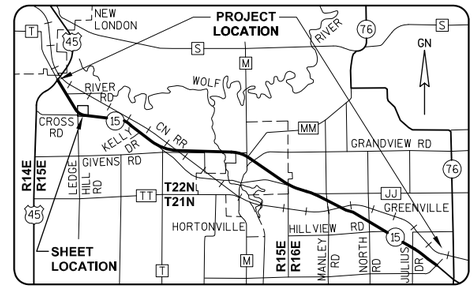
FROM POINT	TO POINT	BEARING	DISTANCE
106	1078	N00°20'36"W	33.02'
1078	1077	N88°43'32"E	182.92'
1077	826	N32°52'52"W	340.04'
826	713	N00°20'36"W	156.01'
713	825	N00°20'36"W	244.45'
*825	970	S55°42'59"E	1145.06'
970	971	S17°07'08"W	10.00'
*971	972	S75°21'15"E	168.28'
972	716	S88°38'55"W	447.01'
716	106	S88°38'55"W	654.96'

*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
825	970	1940.00'	1162.37'	S55°42'59"E	1145.06'
971	972	1950.00'	168.34'	S75°21'15"E	168.28'





GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.08, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 12/21/2016 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 12/23/2016 CURT VAN EREM REAL ESTATE SUPERVISOR

040408_15.DWG REVISED: 12/21/2016

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.08

PART OF THE SW1/4-SW1/4 OF SECTION 20, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

Document #: 2029757
Date: 11-12-2014 Time: 01:48 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE COUNTY State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.08
AMENDMENT NO:

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

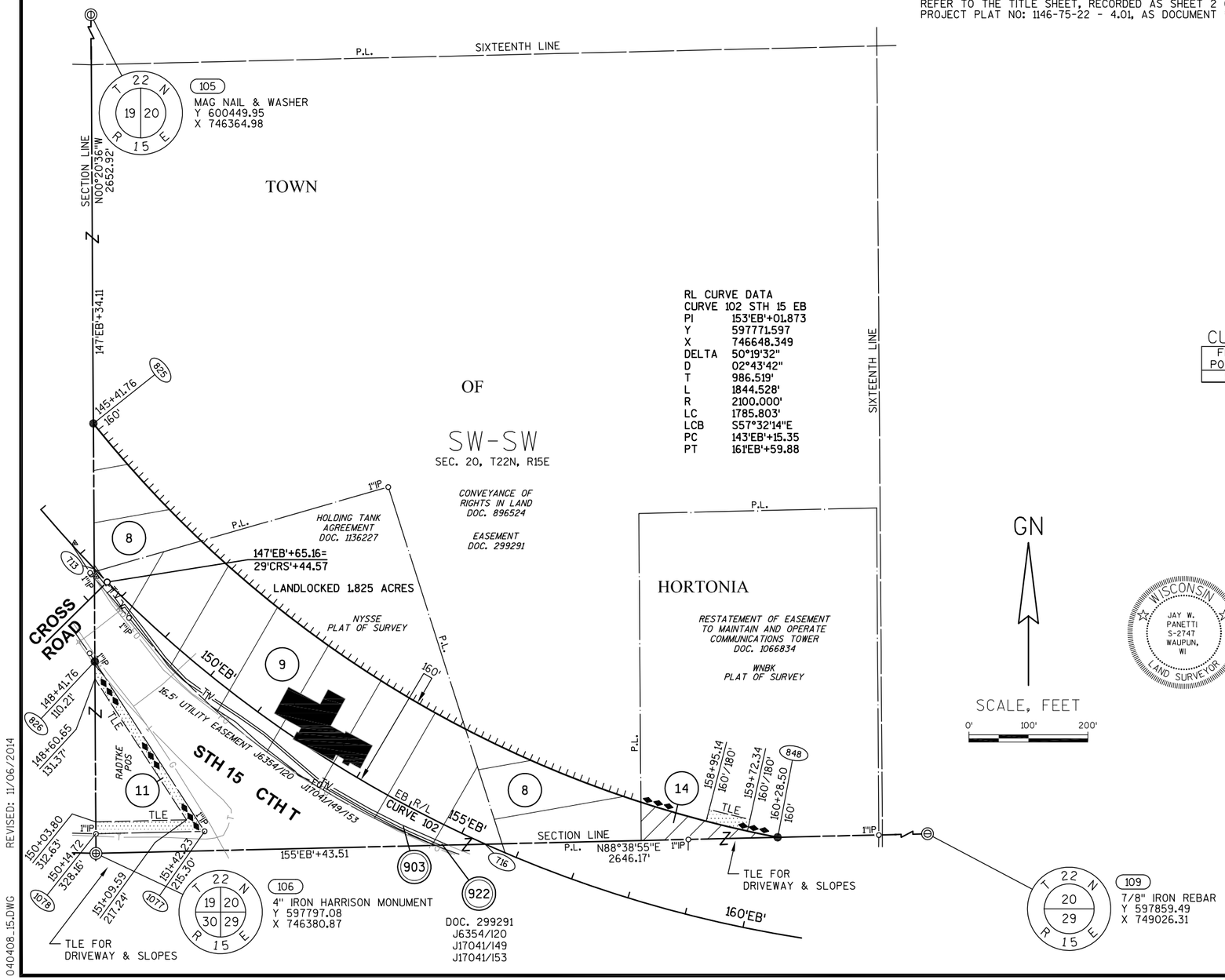
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
8	DAVID LATHROP & JON LATHROP	FEE, ACCESS RIGHTS	1.203	0	1.203	0
9	FAITH CHRISTIAN CHURCH	FEE, ACCESS RIGHTS	3.195	0	3.195	0
11	BRIAN J. BERT	TLE	0	0	0	0.187
14	CAREW CONCRETE SUPPLY CO., INC.	FEE, TLE	0.157	0	0.157	0.033

UTILITY INTERESTS REQUIRED:

903	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS



BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.15, 4.16	2011
CROSS ROAD	TPP NO: 6430-06-00 - 4.16	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

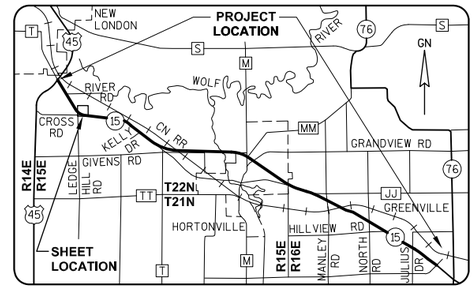
COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
106	1078	N00°20'36"W	33.02'
1078	1077	N88°43'32"E	182.92'
1077	826	N32°52'52"W	340.04'
826	713	N00°20'36"W	156.01'
713	825	N00°20'36"W	244.45'
*825	848	S58°50'01"E	1344.96'
848	716	S88°38'55"W	491.86'
716	106	S88°38'55"W	654.96'

*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
825	848	1940.00'	1373.46'	S58°50'01"E	1344.96'



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, 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 WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.08, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 11/11/2014 CURT VAN EREM
REAL ESTATE SUPERVISOR

REVISED: 11/06/2014
040408_15.DWG
APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.09 AMENDMENT NO: 4

AMENDS PARCEL 14 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.09 AMENDMENT NO. 3, RECORDED AS DOCUMENT #2093516. PART OF LOT 1 OF CSM 6486, AND PART OF THE NW1/4-NW1/4 OF SECTION 29, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

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Document #: 2183801
Date: 02-10-2020 Time: 01:34 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE COUNTY State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
This document has been electronically recorded
Returned to: WisDOT - NE Region - Green Bay - PO 39500-0

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.09
AMENDMENT NO: 4

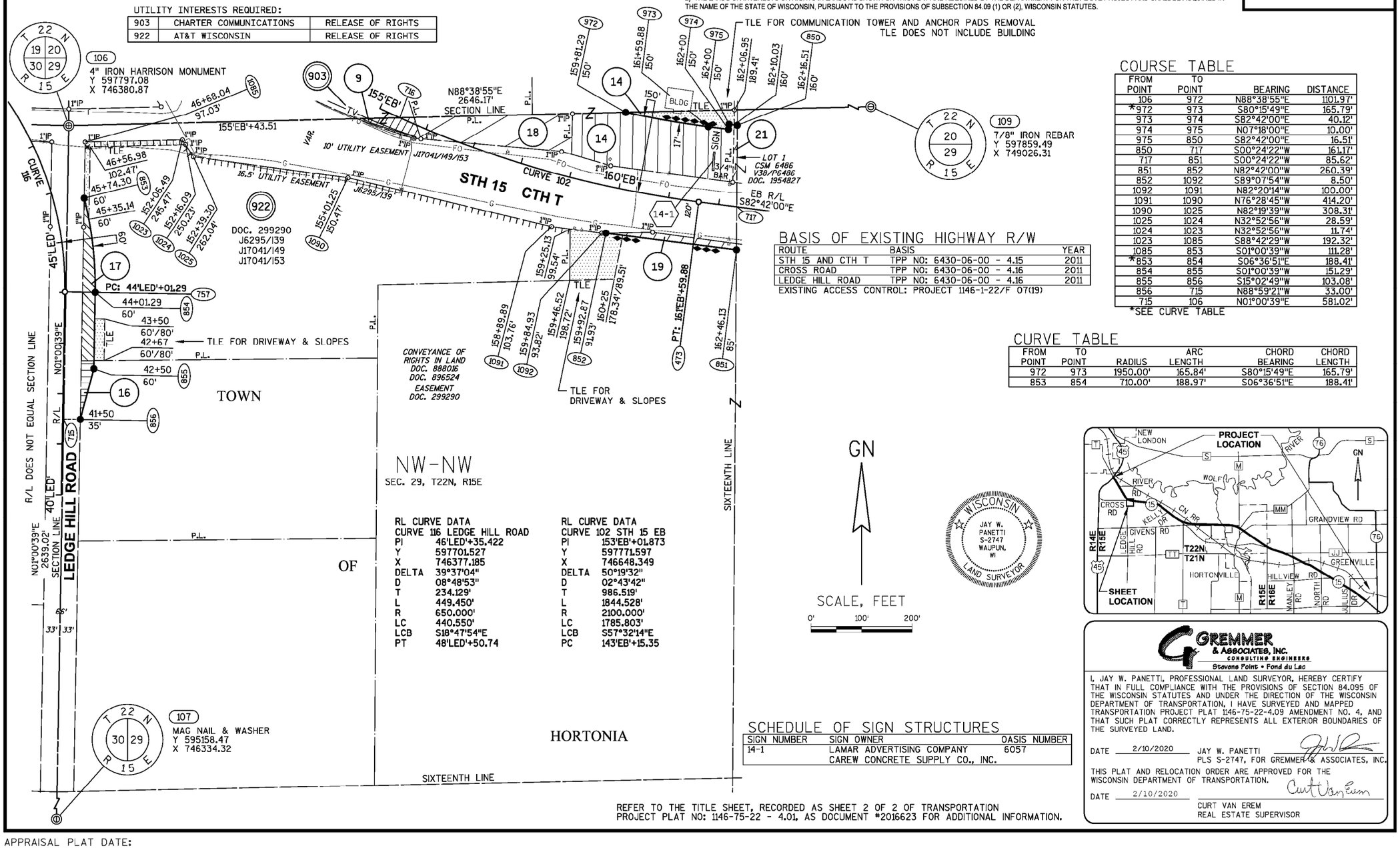
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
9	FAITH CHRISTIAN CHURCH	FEE	0.150	0	0.150	0
14	CAREW CONCRETE SUPPLY CO., INC. LAMAR ADVERTISING COMPANY	FEE, TLE	0.750	0	0.750	0.102
16	MARVIN A. DRAHEIM & GLADYS M. DRAHEIM	FEE	0.038	0.087	0.125	0
17	WAYNE H. BYRUM	FEE, ACCESS RIGHTS, TLE	0.187	0.579	0.766	0.111
18	DALTON WOLFRATH, ROBERT WOLFRATH & RICHARD W. WOLFRATH	FEE	0.520	0	0.520	0
19	SULLIVAN HOMESTEAD, LLC	FEE, TLE	0.063	0	0.063	0.209
21	RYAN F. & KANDI K. MARTIN	FEE	0.019	0	0.019	0

UTILITY INTERESTS REQUIRED:

903	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS



COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
106	972	N88°38'55"E	1101.97'
*972	973	S80°15'49"E	165.79'
973	974	S82°42'00"E	40.12'
974	975	N07°18'00"E	10.00'
975	850	S82°42'00"E	16.51'
850	717	S00°24'22"W	161.17'
717	851	S00°24'22"W	85.62'
851	852	N82°42'00"W	260.39'
852	1092	S89°07'54"W	8.50'
1092	1091	N82°20'14"W	100.00'
1091	1090	N76°28'45"W	414.20'
1090	1025	N82°19'39"W	308.31'
1025	1024	N32°52'56"W	28.59'
1024	1023	N32°52'56"W	11.74'
1023	1085	S88°42'29"W	192.32'
1085	853	S01°00'39"W	111.28'
*853	854	S06°36'51"E	188.41'
854	855	S01°00'39"W	151.29'
855	856	S15°02'49"W	103.08'
856	715	N88°59'21"W	33.00'
715	106	N01°00'39"E	581.02'

*SEE CURVE TABLE

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.15	2011
CROSS ROAD	TPP NO: 6430-06-00 - 4.16	2011
LEDGE HILL ROAD	TPP NO: 6430-06-00 - 4.16	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
972	973	1950.00'	165.84'	S80°15'49"E	165.79'
853	854	710.00'	188.97'	S06°36'51"E	188.41'

SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	SIGN OWNER	OASIS NUMBER
14-1	LAMAR ADVERTISING COMPANY CAREW CONCRETE SUPPLY CO., INC.	6057

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.09 AMENDMENT NO. 4, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 2/10/2020 JAY W. PANETTI
PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 2/10/2020
CURT VAN EREM
REAL ESTATE SUPERVISOR

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

040409_15.DWG REVISED: 2/10/2020

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.09 AMENDMENT NO: 3

AMENDS PARCEL 14 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.09, RECORDED AS DOCUMENT #2029758. PART OF LOT 1 OF CSM 6486, AND PART OF THE NW1/4-NW1/4 OF SECTION 29, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

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Document #: 2093516
Date: 12-28-2016 Time: 01:09 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE COUNTY State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.09
AMENDMENT NO: 3

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

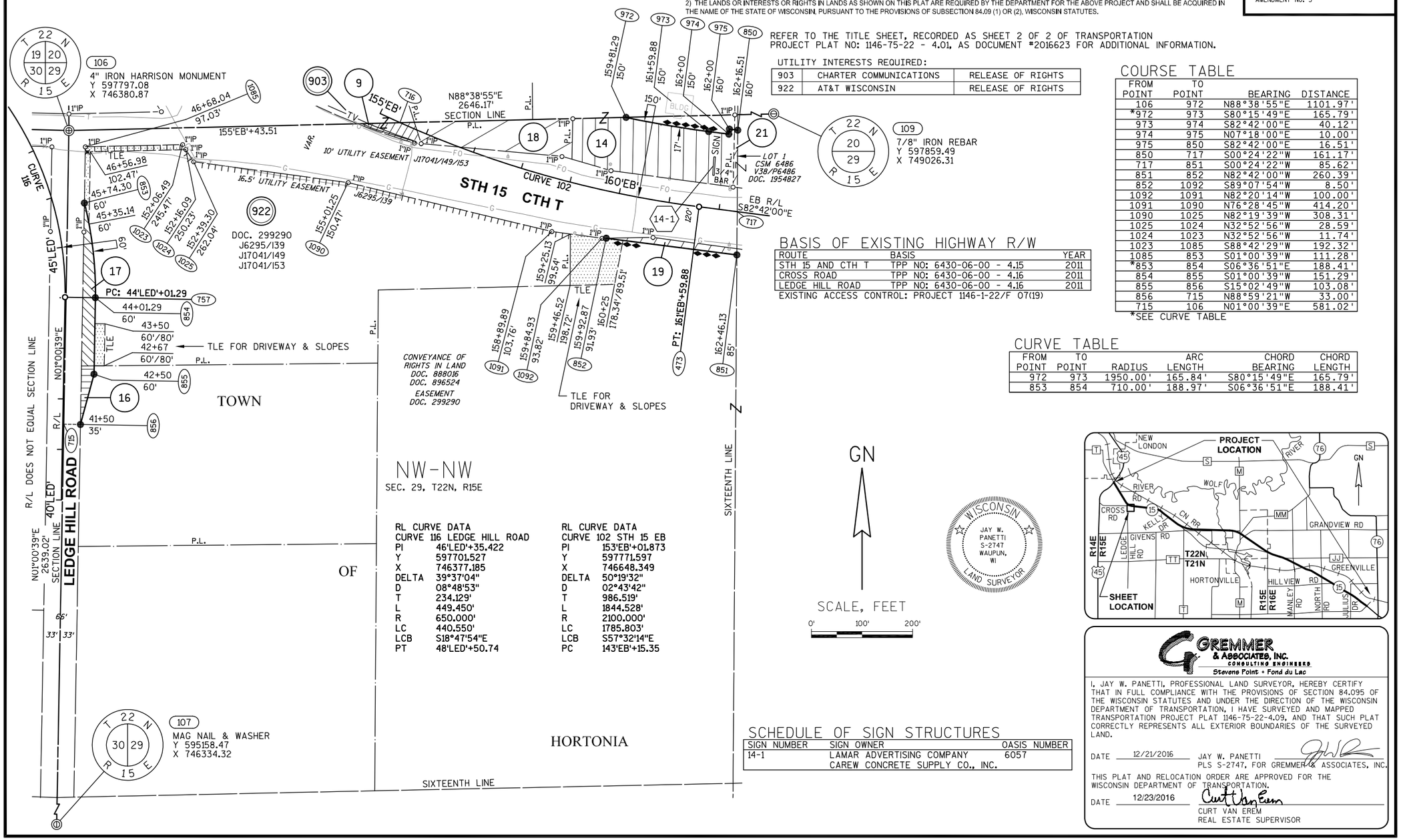
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
9	FAITH CHRISTIAN CHURCH	FEE	0.150	0	0.150	0
14	CAREW CONCRETE SUPPLY CO., INC. LAMAR ADVERTISING COMPANY	FEE	0.750	0	0.750	0
16	MARVIN A. DRAHEIM & GLADYS M. DRAHEIM	FEE	0.038	0.087	0.125	0
17	WAYNE H. BYRUM	FEE, ACCESS RIGHTS, TLE	0.187	0.579	0.766	0.111
18	DALTON WOLFRATH, ROBERT WOLFRATH & RICHARD W. WOLFRATH	FEE	0.520	0	0.520	0
19	SULLIVAN HOMESTEAD, LLC	FEE, TLE	0.063	0	0.063	0.209
21	RYAN F. & KANDI K. MARTIN	FEE	0.019	0	0.019	0

UTILITY INTERESTS REQUIRED:

903	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS



COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
106	972	N88°38'55"E	1101.97'
*972	973	S80°15'49"E	165.79'
973	974	S82°42'00"E	40.12'
974	975	N07°18'00"E	10.00'
975	850	S82°42'00"E	16.51'
850	717	S00°24'22"W	161.17'
717	851	S00°24'22"W	85.62'
851	852	N82°42'00"W	260.39'
852	1092	S89°07'54"W	8.50'
1092	1091	N82°20'14"W	100.00'
1091	1090	N76°28'45"W	414.20'
1090	1025	N82°19'39"W	308.31'
1025	1024	N32°52'56"W	28.59'
1024	1023	N32°52'56"W	11.74'
1023	1085	S88°42'29"W	192.32'
1085	853	S01°00'39"W	111.28'
*853	854	S06°36'51"E	188.41'
854	855	S01°00'39"W	151.29'
855	856	S15°02'49"W	103.08'
856	715	N88°59'21"W	33.00'
715	106	N01°00'39"E	581.02'

*SEE CURVE TABLE

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.15	2011
CROSS ROAD	TPP NO: 6430-06-00 - 4.16	2011
LEDGE HILL ROAD	TPP NO: 6430-06-00 - 4.16	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
972	973	1950.00'	165.84'	S80°15'49"E	165.79'
853	854	710.00'	188.97'	S06°36'51"E	188.41'

RL CURVE DATA
CURVE 116 LEDGE HILL ROAD

PI	46'LED'+35.422
Y	597701.527
X	746377.185
DELTA	39°37'04"
D	08°48'53"
T	234.129'
L	449.450'
R	650.000'
LC	440.550'
LCB	S18°47'54"E
PT	48'LED'+50.74

RL CURVE DATA
CURVE 102 STH 15 EB

PI	153'EB'+01.873
Y	597771.597
X	746648.349
DELTA	50°19'32"
D	02°43'42"
T	986.519'
L	1844.528'
R	2100.000'
LC	1785.803'
LCB	S57°32'14"E
PC	143'EB'+15.35

GN

SCALE, FEET
0' 100' 200'

WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR

SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	SIGN OWNER	OASIS NUMBER
14-1	LAMAR ADVERTISING COMPANY CAREW CONCRETE SUPPLY CO., INC.	6057

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.09, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 12/21/2016 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 12/23/2016 CURT VAN EREM REAL ESTATE SUPERVISOR

040409_15.DWG REVISED: 12/21/2016

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.09 AMENDMENT NO: 2

ADDS PARCEL 21 AND AMENDS PARCELS 18 & 19 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.09, RECORDED AS DOCUMENT #2029758. PART OF LOT 1 OF CSM 6486, AND PART OF THE NW1/4-NW1/4 OF SECTION 29, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED PROJECT.
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Document #: 2071906
Date: 05-09-2016 Time: 04:19 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE COUNTY State: WI

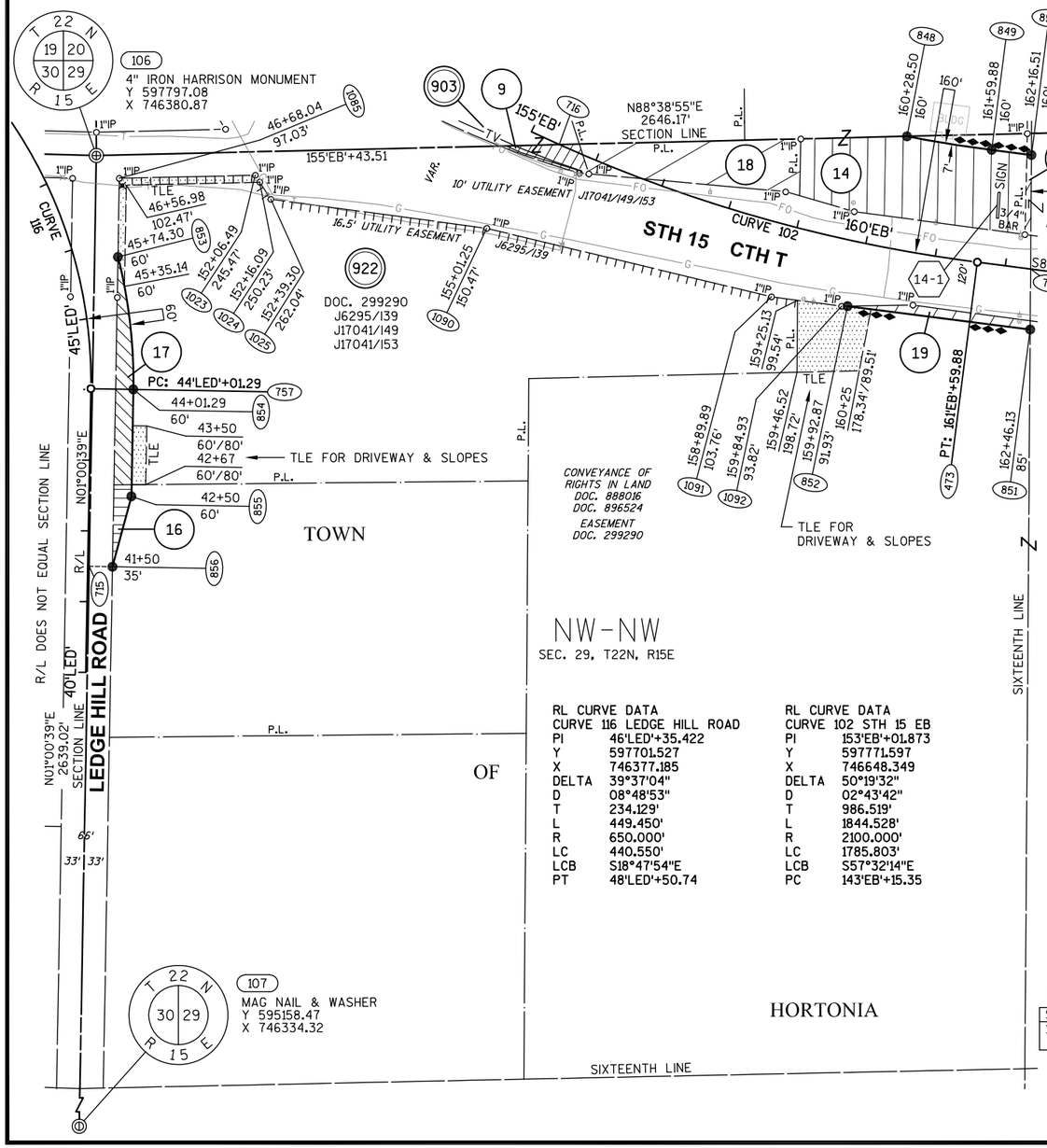
SARAH R VAN CAMP , REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WIDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.09
AMENDMENT NO: 2

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
9	FAITH CHRISTIAN CHURCH	FEE	0.150	0	0.150	0
14	CAREW CONCRETE SUPPLY CO., INC. LAMAR ADVERTISING COMPANY	FEE	0.792	0	0.792	0
16	MARVIN A. DRAHEIM & GLADYS M. DRAHEIM	FEE	0.038	0.087	0.125	0
17	WAYNE H. BYRUM	FEE, ACCESS RIGHTS, TLE	0.187	0.579	0.766	0.111
18	DALTON WOLFRATH, ROBERT WOLFRATH & RICHARD W. WOLFRATH	FEE	0.520	0	0.520	0
19	SULLIVAN HOMESTEAD, LLC	FEE, TLE	0.063	0	0.063	0.209
21	RYAN F. & KANDI K. MARTIN	FEE	0.019	0	0.019	0



REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT *2016623 FOR ADDITIONAL INFORMATION.

UTILITY INTERESTS REQUIRED:

903	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
106	848	N88°38'55"E	1146.82'
*848	849	S80°54'28"E	121.35'
849	850	S82°42'00"E	56.63'
850	717	S00°24'22"W	161.17'
717	851	S00°24'22"W	85.62'
851	852	N82°42'00"W	260.39'
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855	856	S15°02'49"W	103.08'
856	715	N88°59'21"W	33.00'
715	106	N01°00'39"E	581.02'

*SEE CURVE TABLE

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.15	2011
CROSS ROAD	TPP NO: 6430-06-00 - 4.16	2011
LEDGE HILL ROAD	TPP NO: 6430-06-00 - 4.16	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
848	849	1940.00'	121.37'	S80°54'28"E	121.35'
853	854	710.00'	188.97'	S06°36'51"E	188.41'

RL CURVE DATA
CURVE 116 LEDGE HILL ROAD

PI	46'LED'+35.422
Y	597701.527
X	746377.185
DELTA	39°37'04"
D	08°48'53"
T	234.129'
L	449.450'
R	650.000'
LC	440.550'
LCB	S18°47'54"E
PT	48'LED'+50.74

RL CURVE DATA
CURVE 102 STH 15 EB

PI	153'EB'+01.873
Y	597771.597
X	746648.349
DELTA	50°19'32"
D	02°43'42"
T	986.519'
L	1844.528'
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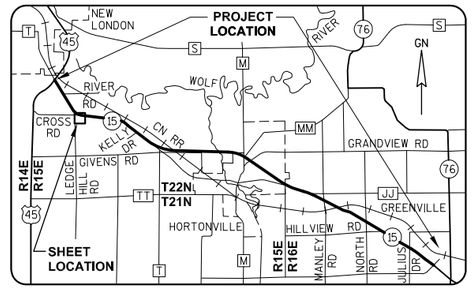
GN

SCALE, FEET
0' 100' 200'

WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	SIGN OWNER	OASIS NUMBER
14-1	LAMAR ADVERTISING COMPANY CAREW CONCRETE SUPPLY CO., INC.	6057

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.09, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 4/28/2016 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 5/08/2016 CURT VAN EREM REAL ESTATE SUPERVISOR

040409_15.DWG REVISED: 4/28/2016

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.09 AMENDMENT NO: 1

AMENDS PARCEL 9 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.09, RECORDED AS DOCUMENT #2029758.
PART OF THE NW1/4-NW1/4 OF SECTION 29, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

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Document #: 2056870
Date: 10-14-2015 Time: 03:57 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE County State: WI

SARAH R VAN CAMP , REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.09
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 INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
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18	DALTON WOLFRATH, ROBERT WOLFRATH & RICHARD W. WOLFRATH	FEE	0.415	0	0.415	0
19	SULLIVAN HOMESTEAD, LLC	FEE, TLE	0.082	0	0.082	0.209

SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	SIGN OWNER	OASIS NUMBER
14-1	LAMAR ADVERTISING COMPANY CAREW CONCRETE SUPPLY CO., INC.	6057

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT *2016623 FOR ADDITIONAL INFORMATION.

UTILITY INTERESTS REQUIRED:

903	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
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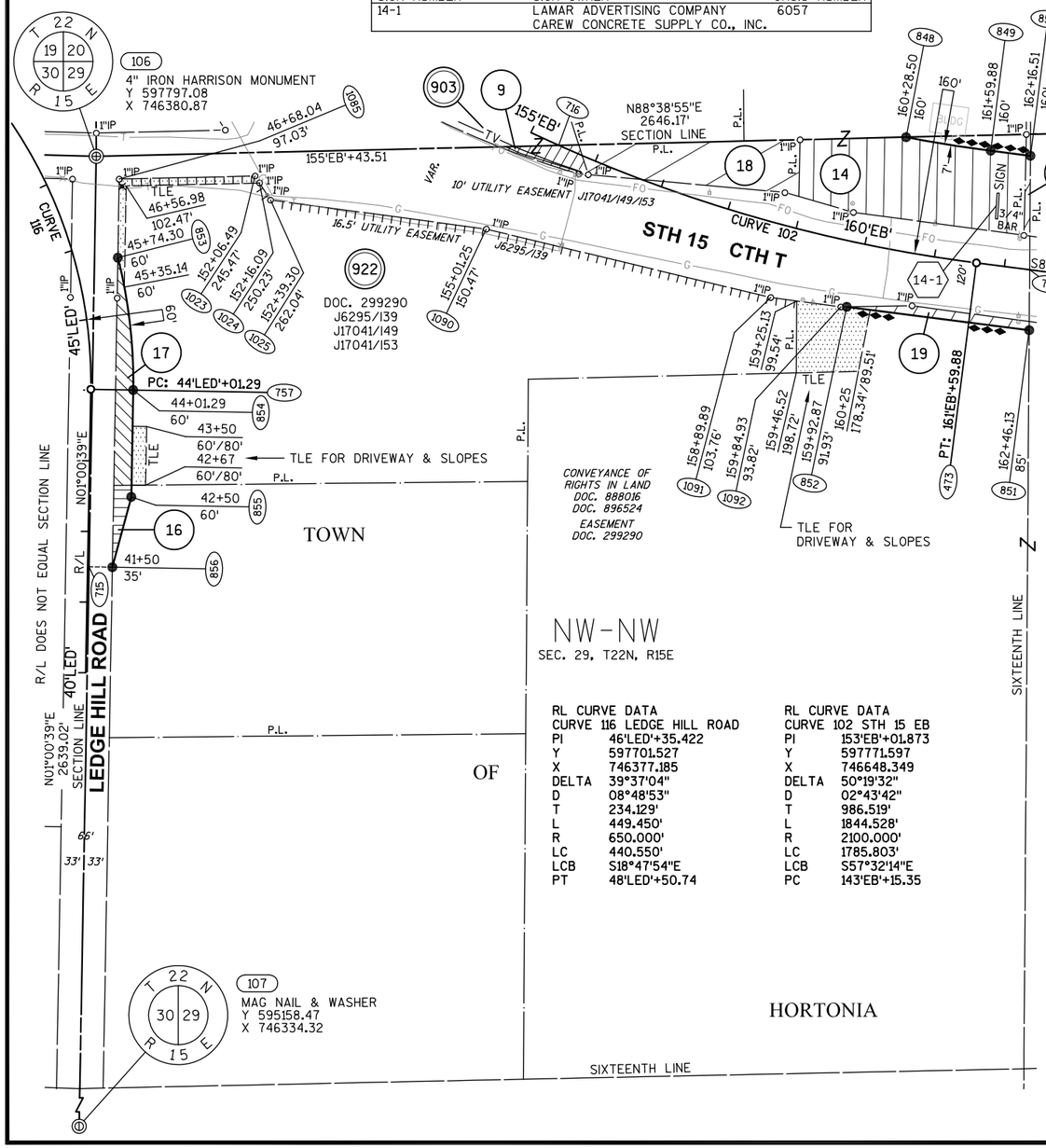

RL CURVE DATA
CURVE 116 LEDGE HILL ROAD

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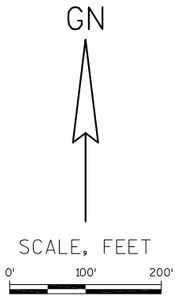

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
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EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

COURSE TABLE

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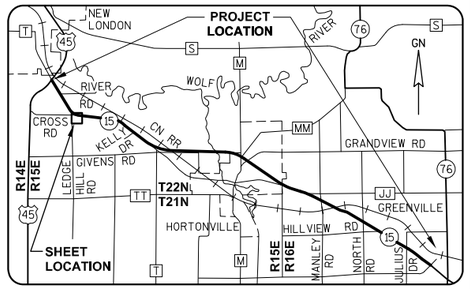

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.09, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 10/13/2015 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 10/13/2015 CURT VAN EREM REAL ESTATE SUPERVISOR

040409_15.DWG REVISED: 10/13/2015

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.09

PART OF THE NW1/4-NW1/4 OF SECTION 29, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

Document #: 2029758
Date: 11-12-2014 Time: 01:48 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE County/State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.09
AMENDMENT NO:

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

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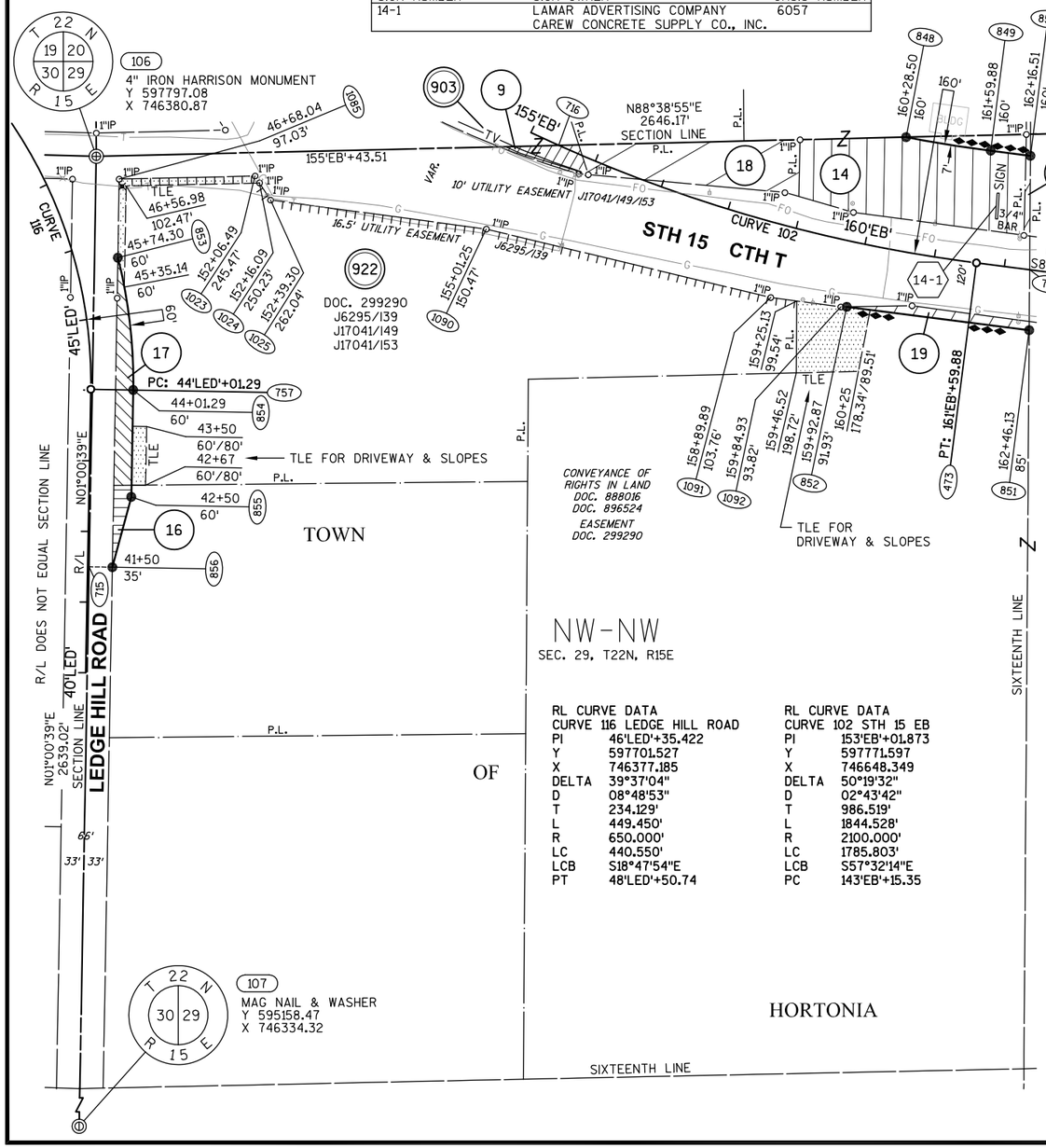

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EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

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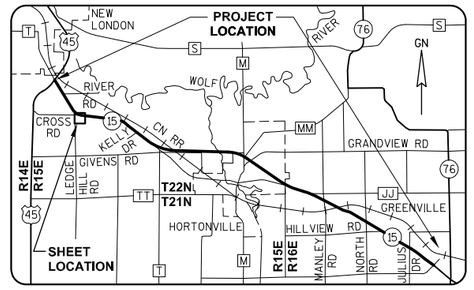
SCALE, FEET
0' 100' 200'

WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

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

DATE 11/11/2014 CURT VAN EREM REAL ESTATE SUPERVISOR

040409_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
19	SULLIVAN HOMESTEAD, LLC	FEE	0.237	0	0.237	0
21	EDWARD J. SULLIVAN	FEE	1.805	0	1.805	0
22	JOAN S. SUSZKO	FEE, ACCESS RIGHTS, TLE	1.975	0	1.975	0.017
23	GARY L. PANKOW	FEE	0.216	0	0.216	0
24	CHAD A. KARPF	FEE	0.024	0	0.024	0

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.10 AMENDMENT NO: 1

ADDS PARCEL 24 AND AMENDS PARCEL 23 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.10, RECORDED AS DOCUMENT #2040567.

PART OF LOTS 1 AND 2 OF CSM 6486, PART OF LOT 1 OF CSM 7073, AND PART OF THE NE1/4-NW1/4 OF SECTION 29, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

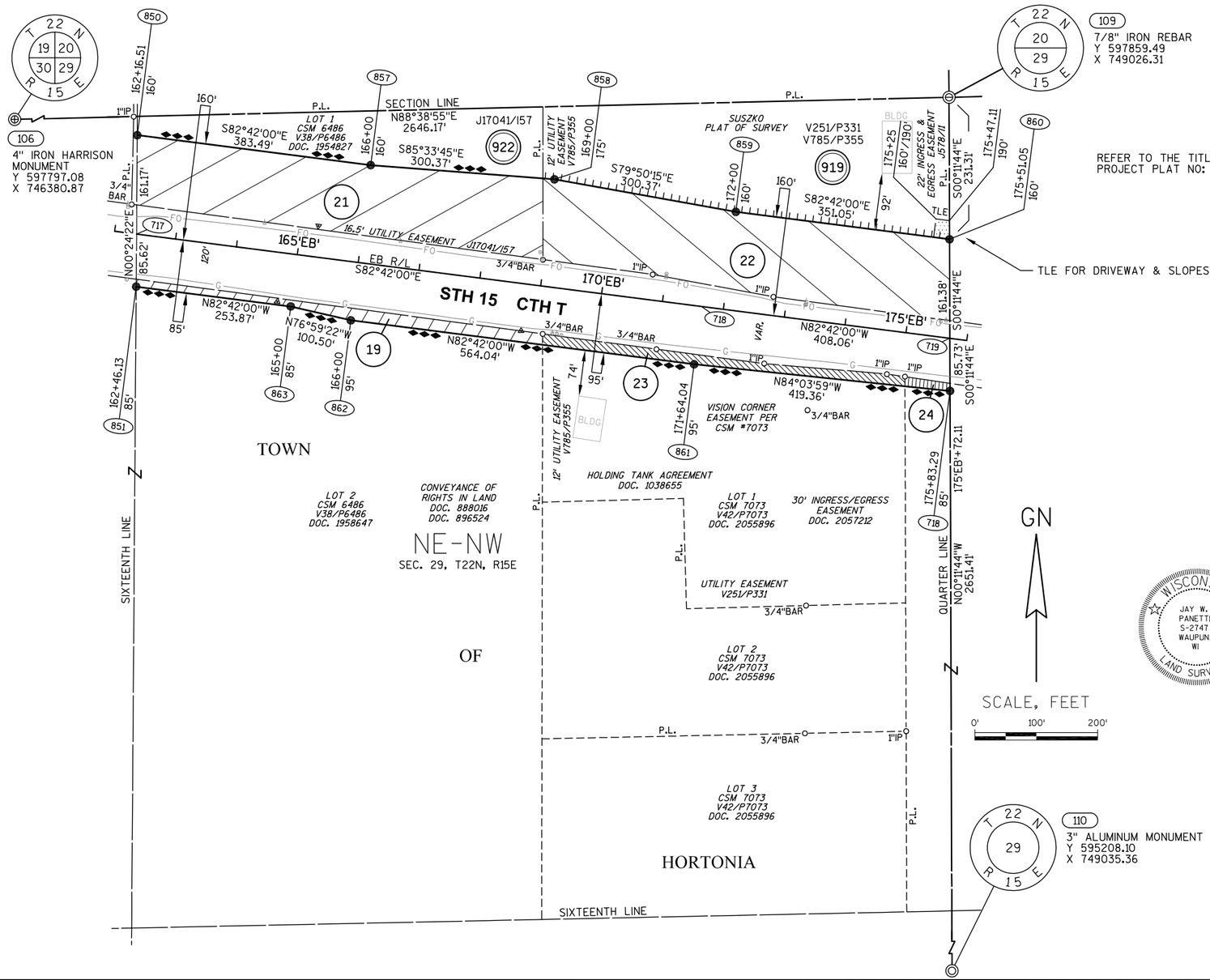
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2065978**
Date: **02-18-2016** Time: **02:44 PM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.10
AMENDMENT NO: 1

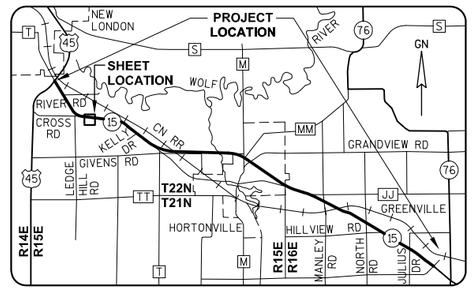


BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.15	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.10, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 2/3/2016 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 2/18/2016 CURT VAN EREM REAL ESTATE SUPERVISOR

040410_15.DWG REVISED: 2/3/2016

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.10

PART OF LOTS 1 AND 2 OF CSM 6486, PART OF LOT 1 OF CSM 3046, AND PART OF THE NE1/4-NW1/4 OF SECTION 29, T22N, R15E,ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: 2040567
Date: 04-15-2015 Time: 01:48 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE County/State: WI

SARAH R VAN CAMP , REGISTER OF DEEDS
** *The above recording information verifies this document has been electronically recorded and returned to the submitter* **

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.10
AMENDMENT NO:

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
19	SULLIVAN HOMESTEAD, LLC	FEE	0.237	0	0.237	0
21	RYAN F. & KANDI K. MARTIN	FEE	1.805	0	1.805	0
22	JOAN S. SUSZKO	FEE, ACCESS RIGHTS, TLE	1.975	0	1.975	0.017
23	GARY L. PANKOW	FEE	0.086	0	0.086	0

AFFIDAVIT DOC NO 2070215

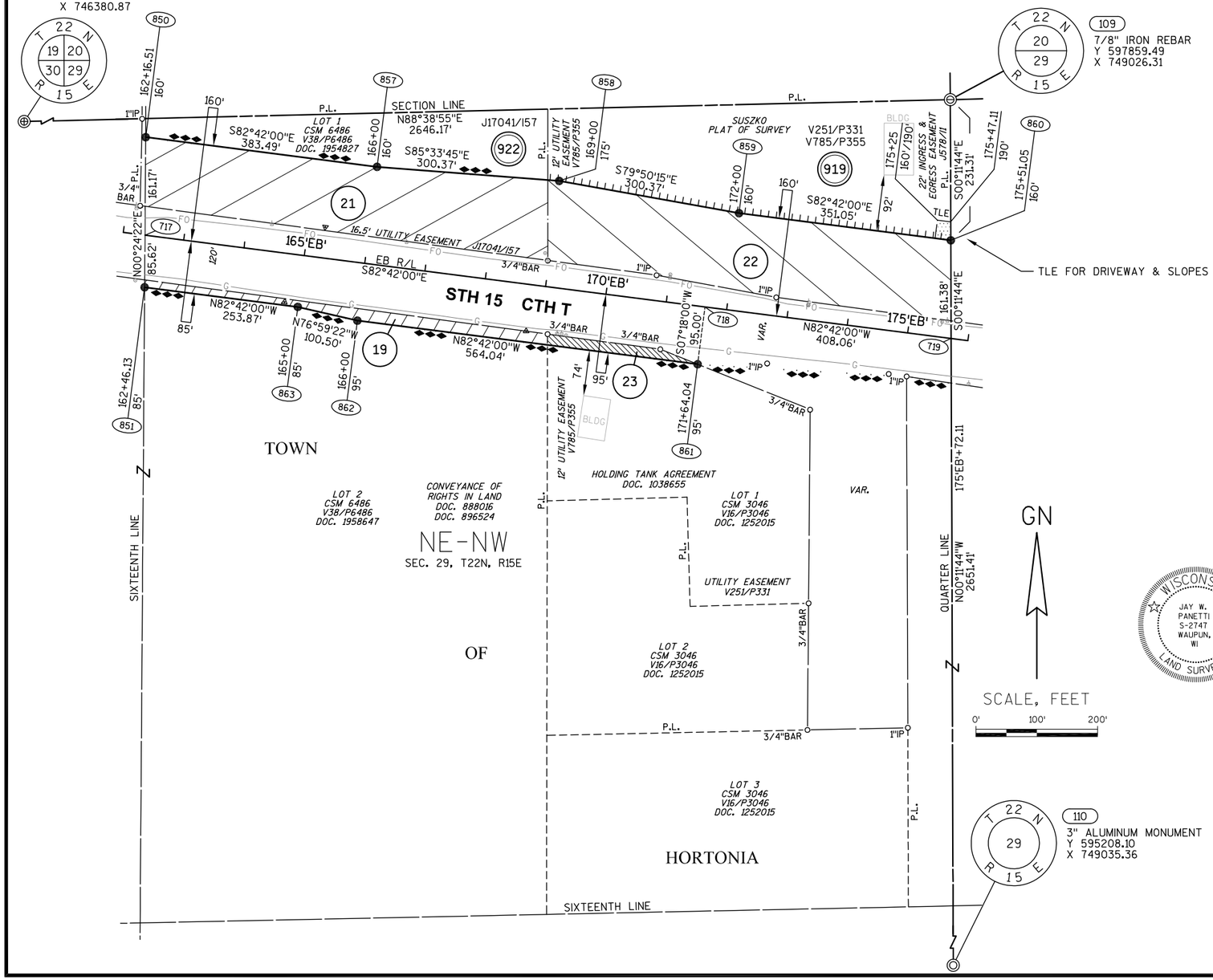
UTILITY INTERESTS REQUIRED:

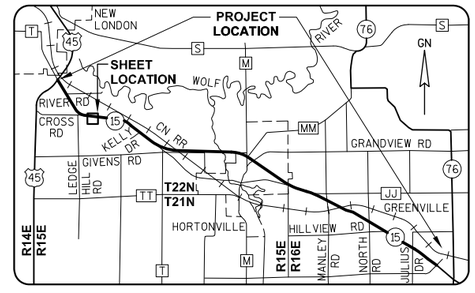
919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.15	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)





GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.10, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 4/09/2015 CURT VAN EREM REAL ESTATE SUPERVISOR

040410_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.11

PART OF THE NW1/4-NE1/4 OF SECTION 29, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

Document #: **2040568**
Date: **04-15-2015** Time: **01:48 PM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.11
AMENDMENT NO:

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

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REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
24	CHAD A. KARPF	FEE, ACCESS RIGHTS, TLE	2.041	0	2.041	0.018
26	KELLY J. LAND WOLF RIVER TRIPS	FEE, ACCESS RIGHTS	2.104	0	2.104	

UTILITY INTERESTS REQUIRED:

922	AT&T WISCONSIN	RELEASE OF RIGHTS

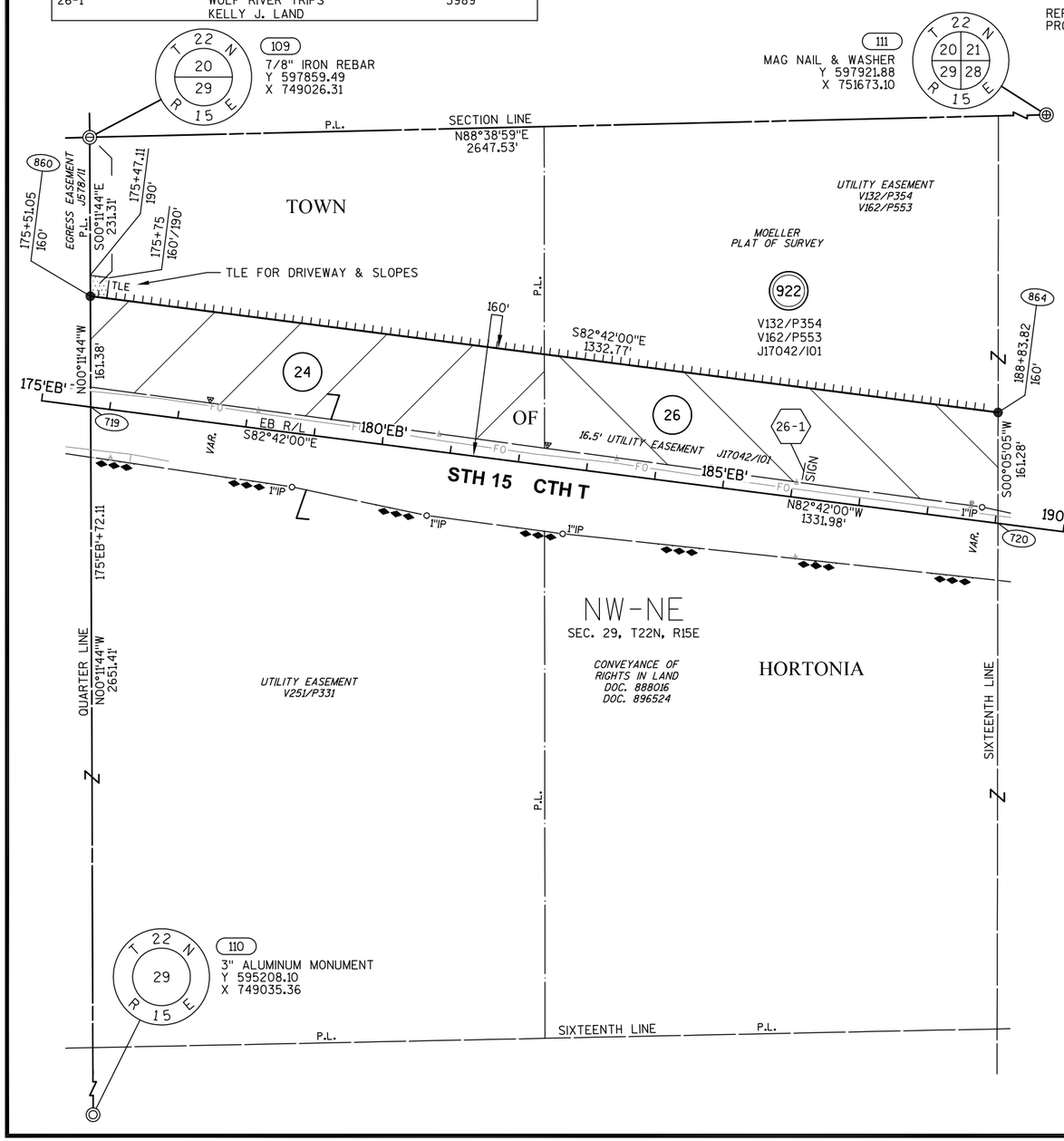
SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	SIGN OWNER	OASIS NUMBER
26-1	WOLF RIVER TRIPS KELLY J. LAND	3989

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.14, 4.15	2011

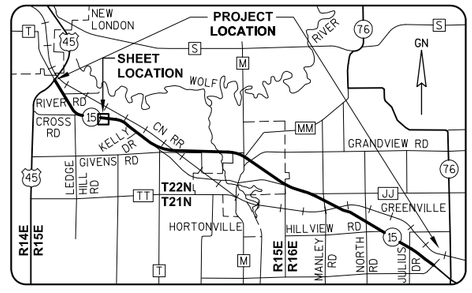
EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)



GN

SCALE, FEET
0' 100' 200'

WISCONSIN
JAY W. PANETTI
S-2747
WAUPUN, WI
LAND SURVEYOR



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.11, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI
PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 4/09/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

REVISED: 11/06/2014

040411_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.12 AMENDMENT NO: 1

AMENDS PARCELS 26, 28 AND 31 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.12, RECORDED AS DOCUMENT #2040569.
PART OF THE NE1/4-NE1/4 OF SECTION 29, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

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Document #: 2067237
Date: 10-17-2016 Time: 02:25 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE COUNTY State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.12
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
26	KELLY J. LAND	FEE, ACCESS RIGHTS, TLE	1.126	0	1.126	0.671
27	MICHAEL BUNNELL	FEE, TLE	0.001	0	0.001	0.019
28	PAUL G. BERNEGGER & TAMMY L. BERNEGGER BROWN'S CHEESE & LIQUOR	FEE, ACCESS RIGHTS, TLE	1.832	0	1.832	0.215
29	RANDAL L. HEDTKE	FEE, TLE	0.402	0	0.402	0.017
31	PAUL G. BERNEGGER	FEE, ACCESS RIGHTS, TLE	3.246	0	3.246	0.229

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

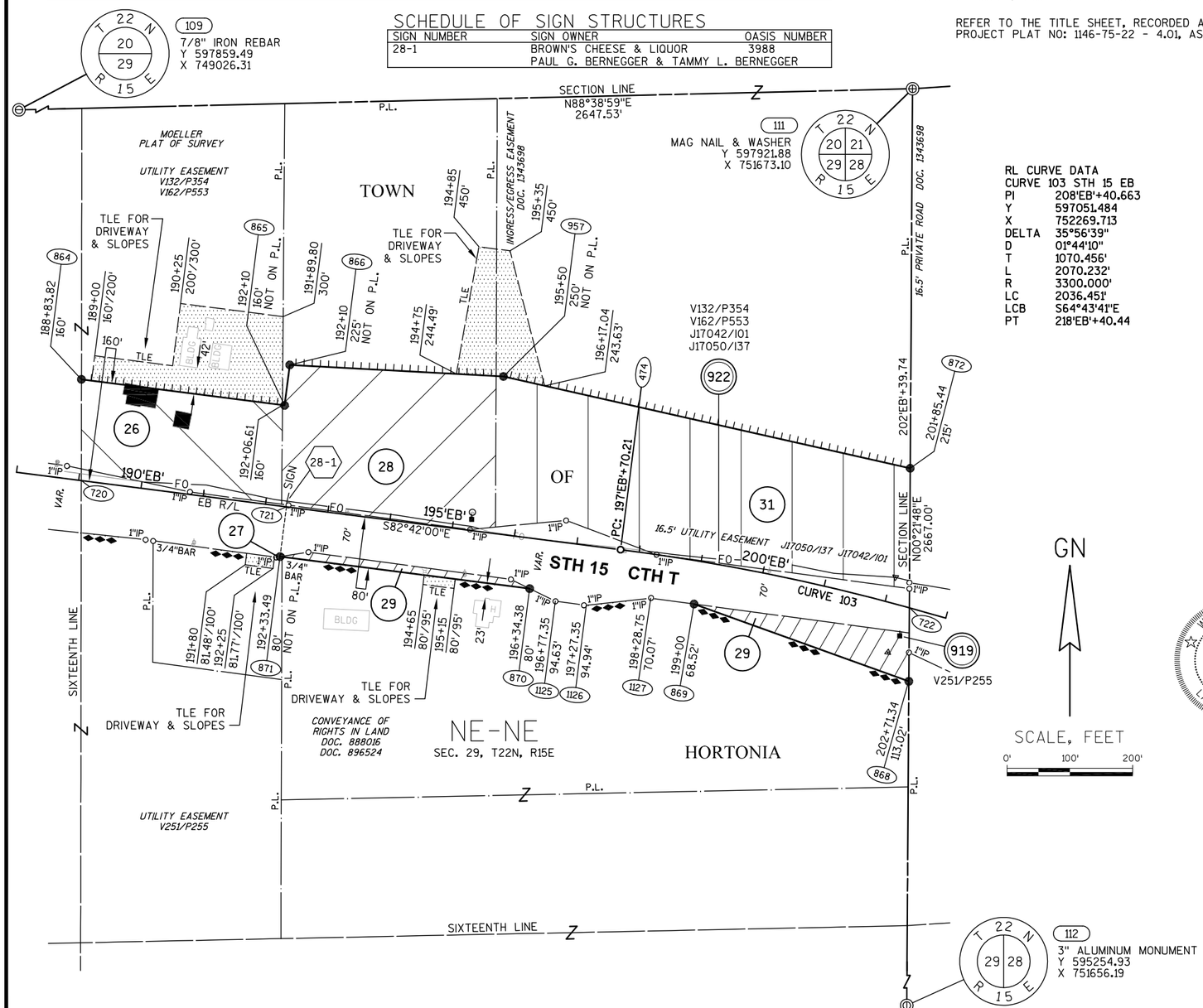
SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	SIGN OWNER	OASIS NUMBER
28-1	BROWN'S CHEESE & LIQUOR PAUL G. BERNEGGER & TAMMY L. BERNEGGER	3988

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.14	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

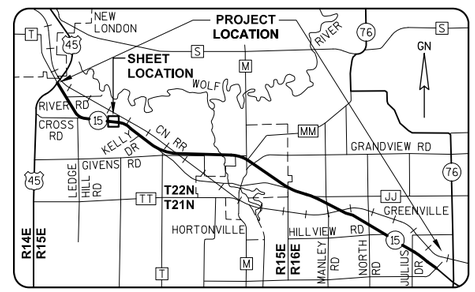


COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
111	872	S00°21'48"W	604.74'
872	722	S00°21'48"W	222.18'
722	868	S00°21'48"W	117.21'
868	869	N70°12'20"W	363.66'
869	1127	N82°20'11"W	69.77'
1127	1126	S83°37'35"W	103.08'
1126	1125	N82°20'14"W	50.00'
1125	870	N63°54'11"W	45.40'
870	871	N82°42'00"W	400.88'
871	721	N07°18'00"E	80.00'
721	720	N82°42'00"W	329.41'
720	864	N00°05'05"E	161.28'
864	865	S82°42'00"E	326.18'
865	866	N07°18'00"E	65.00'
866	957	S86°54'19"E	340.92'
957	872	S77°16'35"E	664.30'

RL CURVE DATA
CURVE 103 STH 15 EB

PI	208'EB'+40.663
Y	597051.484
X	752269.713
DELTA	35°56'39"
D	01°44'10"
T	1070.456'
L	2070.232'
R	3300.000'
LC	2036.451'
LCB	S64°43'41"E
PT	218'EB'+40.44



WISCONSIN JAY W. PANETTI S-2747 WAUPUN, WI LAND SURVEYOR

GREMMER & ASSOCIATES, INC. CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.12, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 9/28/2016 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 10/10/2016 CURT VAN EREM REAL ESTATE SUPERVISOR

REVISED: 9/28/2016

040412_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.12

PART OF THE NE1/4-NE1/4 OF SECTION 29, T22N, R15E, TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

Document #: 2040569
Date: 04-15-2015 Time: 01:49 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE COUNTY State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.12
AMENDMENT NO:

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
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REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
26	KELLY J. LAND BROWN'S CHEESE & LIQUOR	FEE, ACCESS RIGHTS, TLE	1.168	0	1.168	0.703
27	MICHAEL BUNNELL	FEE, TLE	0.001	0	0.001	0.019
28	PAUL G. BERNEGGER & TAMMY L. BERNEGGER	FEE, ACCESS RIGHTS, TLE	1.790	0	1.790	0.217
29	RANDAL L. HEDTKE	FEE, TLE	0.402	0	0.402	0.017
31	PAUL G. BERNEGGER	FEE, ACCESS RIGHTS, TLE	3.691	0	3.691	0.225

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

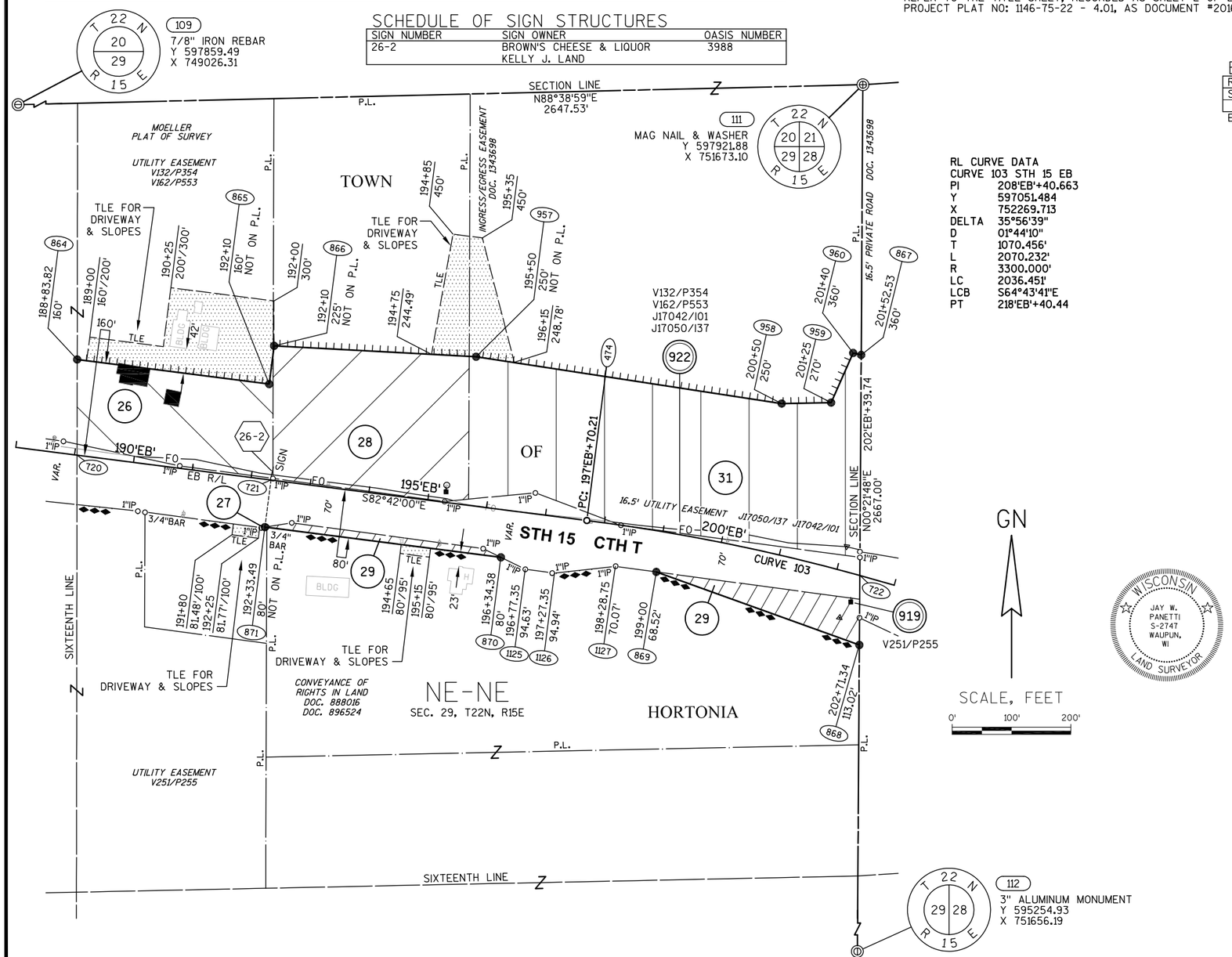
SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	SIGN OWNER	OASIS NUMBER
26-2	BROWN'S CHEESE & LIQUOR KELLY J. LAND	3988

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.14	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

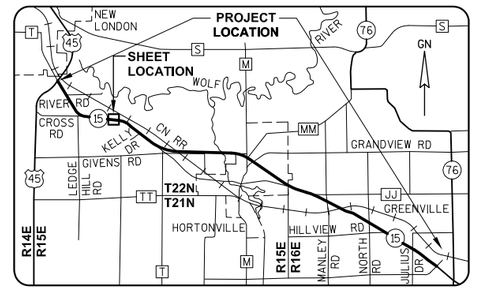


RL CURVE DATA

CURVE	103 STH 15 EB
PI	208'EB'+40.663
Y	597051.484
X	752269.713
DELTA	35°56'39"
D	01°44'10"
T	1070.456'
L	2070.232'
R	3300.000'
LC	2036.451'
LCB	S64°43'41"E
PT	218'EB'+40.44

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
111	867	S00°21'48"W	455.40'
867	722	S00°21'48"W	371.53'
722	868	S00°21'48"W	117.21'
868	869	N70°12'20"W	363.66'
869	1127	N82°20'11"W	69.77'
1127	1126	S83°37'35"W	103.08'
1126	1125	N82°20'14"W	50.00'
1125	870	N63°54'11"W	45.40'
870	871	N82°42'00"W	400.88'
871	721	N07°18'00"E	80.00'
721	720	N82°42'00"W	329.41'
720	864	N00°05'05"E	161.28'
864	865	S82°42'00"E	326.18'
865	866	N07°18'00"E	65.00'
866	957	S86°54'19"E	340.92'
957	958	S81°17'51"E	520.99'
958	959	N88°55'29"E	83.34'
959	960	N23°56'14"E	91.49'
960	867	S76°10'15"E	13.90'



WISCONSIN
JAY W. PANETTI
S-2747
WAUPUN, WI
LAND SURVEYOR

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.12, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 4/09/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

REVISED: 11/06/2014

040412_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.13 AMENDMENT NO: 1

AMENDS PARCEL 32 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.13, RECORDED AS DOCUMENT #2040570. PART OF LOTS 1 AND 3 OF CSM 4209 AND PART OF LOT 2 OF CSM 5404, BEING PART OF THE NW1/4-NW1/4 OF SECTION 28, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: 2067238
Date: 10-17-2016 Time: 02:25 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE COUNTY State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.13
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 INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
32	JANE C. SCHIEDERMAYER, TRUSTEE OF THE JANE C. SCHIEDERMAYER REVOCABLE TRUST, DATED 8/27/03	FEE	3.664	0	3.664	0
33	TED J. LATHROP	FEE	1.612	0	1.612	0
34	FAMILY FLOORS, LLC	FEE	0.068	0	0.068	0

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.13, 4.14	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

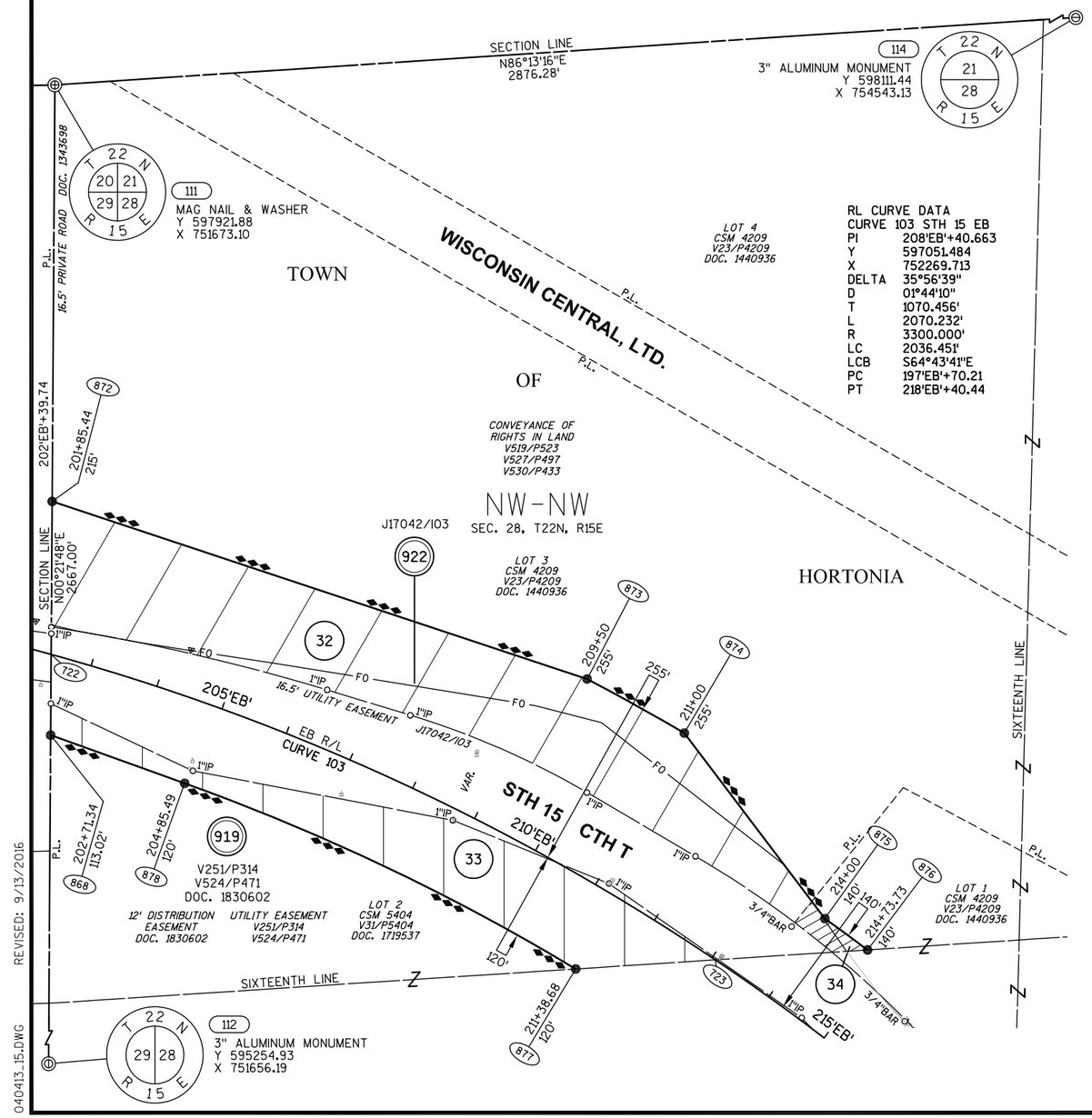
COURSE TABLE

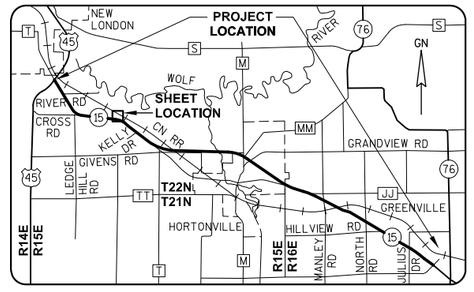
FROM POINT	TO POINT	BEARING	DISTANCE
111	872	S00°21'48"W	604.74'
872	873	S71°38'13"E	818.14'
*873	874	S60°54'50"E	161.58'
874	875	S37°08'08"E	337.97'
*875	876	S53°45'46"E	76.85'
876	723	S86°15'52"W	221.67'
723	877	S86°15'52"W	202.91'
*877	878	N64°36'38"W	628.41'
878	868	N70°12'20"W	206.67'
868	722	N00°21'48"E	117.21'
722	872	N00°21'48"E	222.18'

*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
873	874	3555.00'	161.59'	S60°54'50"E	161.58'
875	876	3440.00'	76.86'	S53°45'46"E	76.85'
877	878	3180.00'	629.44'	N64°36'38"W	628.41'





GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.13, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 9/13/2016 JAY W. PANETTI
PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 10/10/2016 CURT VAN EREM
REAL ESTATE SUPERVISOR

REVISED: 9/13/2016

040413_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.13

PART OF LOTS 1 AND 3 OF CSM 4209 AND PART OF LOT 2 OF CSM 5404, BEING PART OF THE NW1/4-NW1/4 OF SECTION 28, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: 2040570
Date: 04-15-2015 Time: 01:49 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE County State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.13
AMENDMENT NO:

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

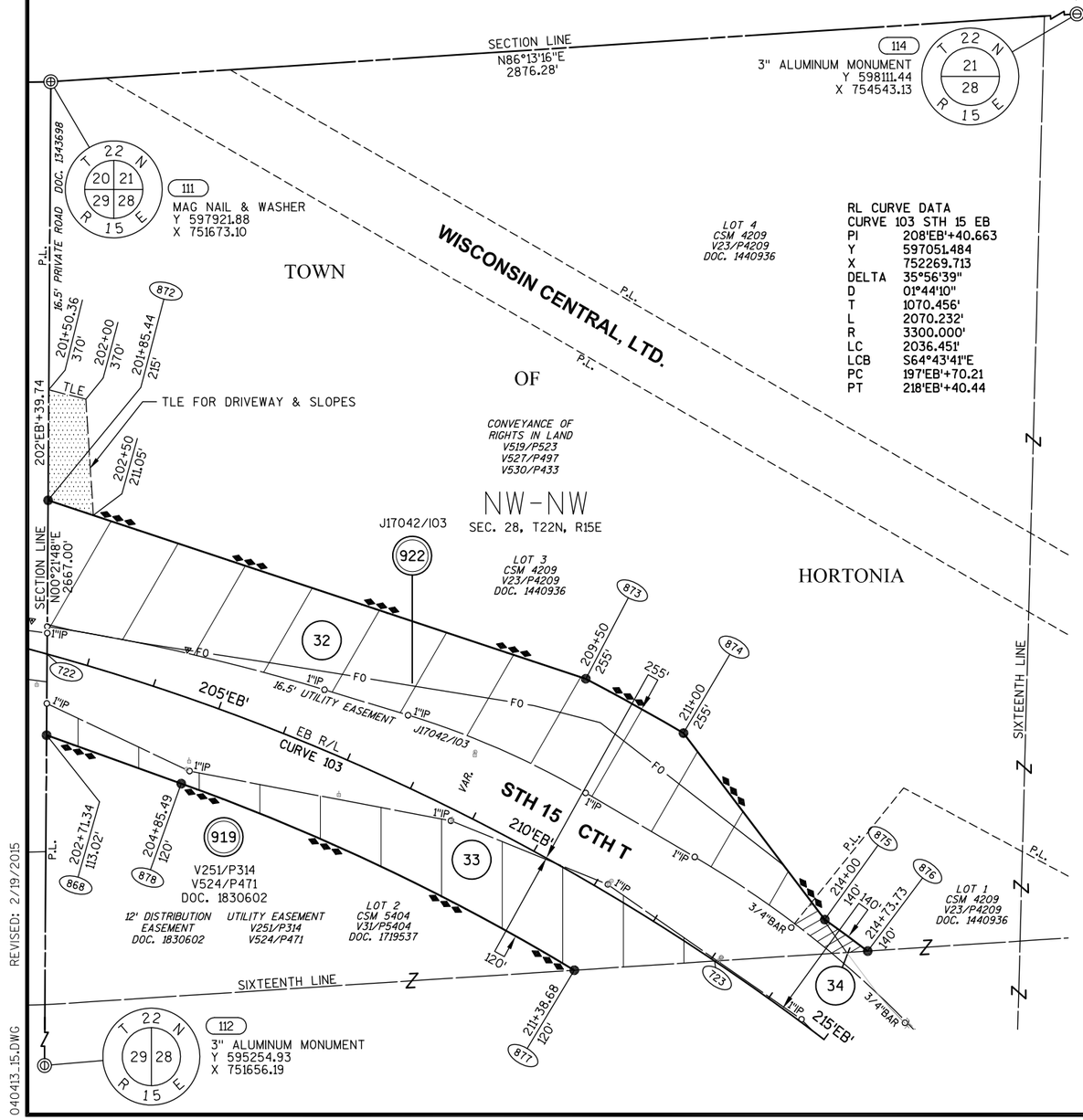
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
32	JANE C. SCHIEDERMAYER, TRUSTEE OF THE JANE C. SCHIEDERMAYER REVOCABLE TRUST, DATED 8/27/03	FEE, TLE	3.664	0	3.664	0.221
33	TED J. LATHROP	FEE	1.612	0	1.612	0
34	FAMILY FLOORS, LLC	FEE	0.068	0	0.068	0

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS



BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.13, 4.14	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

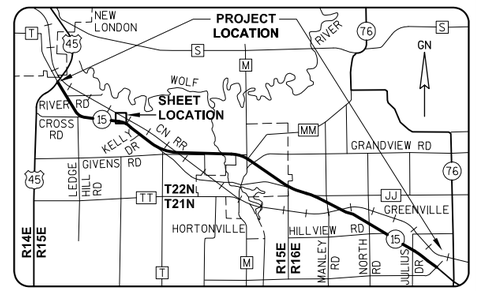
COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
111	872	S00°21'48"W	604.74'
872	873	S71°38'13"E	818.14'
*873	874	S60°54'50"E	161.58'
874	875	S37°08'08"E	337.97'
*875	876	S53°45'46"E	76.85'
876	723	S86°15'52"W	221.67'
723	877	S86°15'52"W	202.91'
*877	878	N64°36'38"W	628.41'
878	868	N70°12'20"W	206.67'
868	722	N00°21'48"E	117.21'
722	872	N00°21'48"E	222.18'

*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
873	874	3555.00'	161.59'	S60°54'50"E	161.58'
875	876	3440.00'	76.86'	S53°45'46"E	76.85'
877	878	3180.00'	629.44'	N64°36'38"W	628.41'



WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.13, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 2/19/2015 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 4/09/2015 CURT VAN EREM REAL ESTATE SUPERVISOR

040413_15.DWG REVISED: 2/19/2015

APPRAISAL PLAT DATE:

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
33	TED J. LATHROP	FEE, TLE	0.849	0	0.849	0.325
34	FAMILY FLOORS, LLC	FEE	0.369	0	0.369	0
36	SAMUEL F. THOMPSON & ELISABETH L. THOMPSON	FEE, TLE	0.854	0	0.854	0.197
37	JACOB W. SCHIEDERMAYER & DANA RAE SCHIEDERMAYER	FEE	0.001	0	0.001	0

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.14 AMENDMENT NO: 1

AMENDS PARCEL 37 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.14, RECORDED AS DOCUMENT #2037958. PART OF LOT 1 OF CSM 6766 AND PART OF THE SW1/4-NW1/4 OF SECTION 28, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

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1) THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
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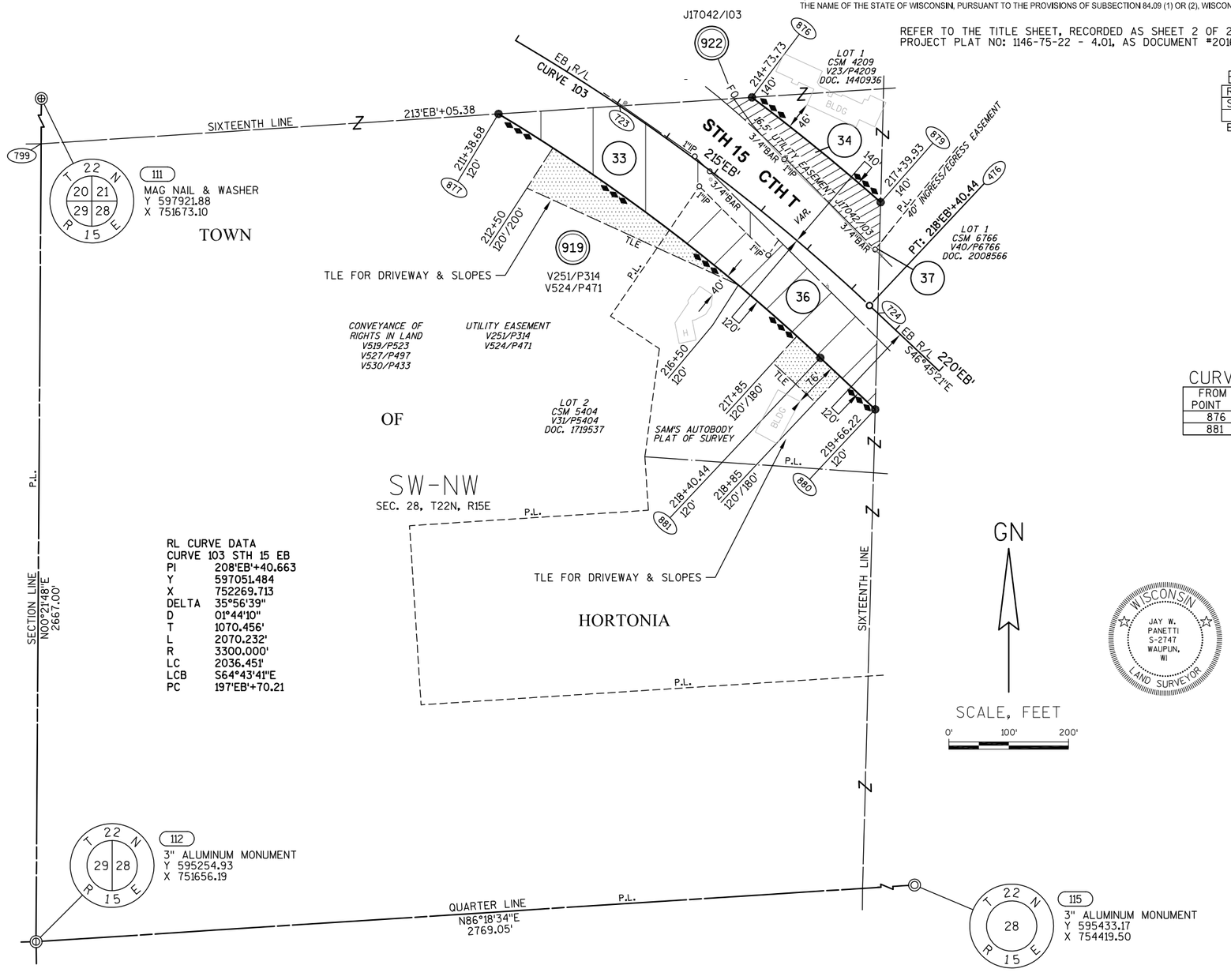
Document #: **2106949**
Date: **06-21-2017** Time: **08:44 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP, REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.14
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.



BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.13, 4.14	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

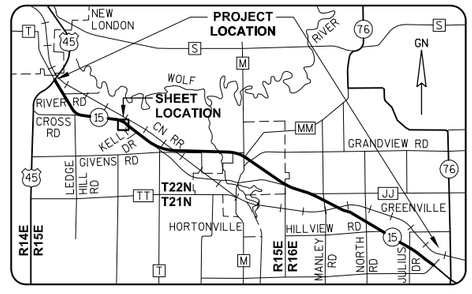
COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
111	799	S00°21'48"W	1333.50'
799	877	N86°15'52"E	766.28'
877	723	N86°15'52"E	202.91'
723	876	N86°15'52"E	221.67'
*876	879	S50°48'43"E	277.42'
879	724	S01°30'22"W	185.48'
724	880	S01°30'22"W	160.82'
880	881	N46°45'21"W	125.78'
*881	877	N52°50'53"W	674.97'

*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
876	879	3440.00'	277.50'	S50°48'43"E	277.42'
881	877	3180.00'	676.24'	N52°50'53"W	674.97'



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.14, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 6/20/2017 JAY W. PANETTI PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 6/20/2017 CURT VAN EREM REAL ESTATE SUPERVISOR

040414_15.DWG REVISED: 6/20/2017

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.14

PART OF LOTS 1 AND 2 OF CSM 4209, PART OF LOT 2 OF CSM 5404, AND PART OF THE SW1/4-NW1/4 OF SECTION 28, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

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Document #: 2037958
Date: 03-16-2015 Time: 08:26 AM
Pages: 1 Fee: $25.00
County: OUTAGAMIE County State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.14
AMENDMENT NO:

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

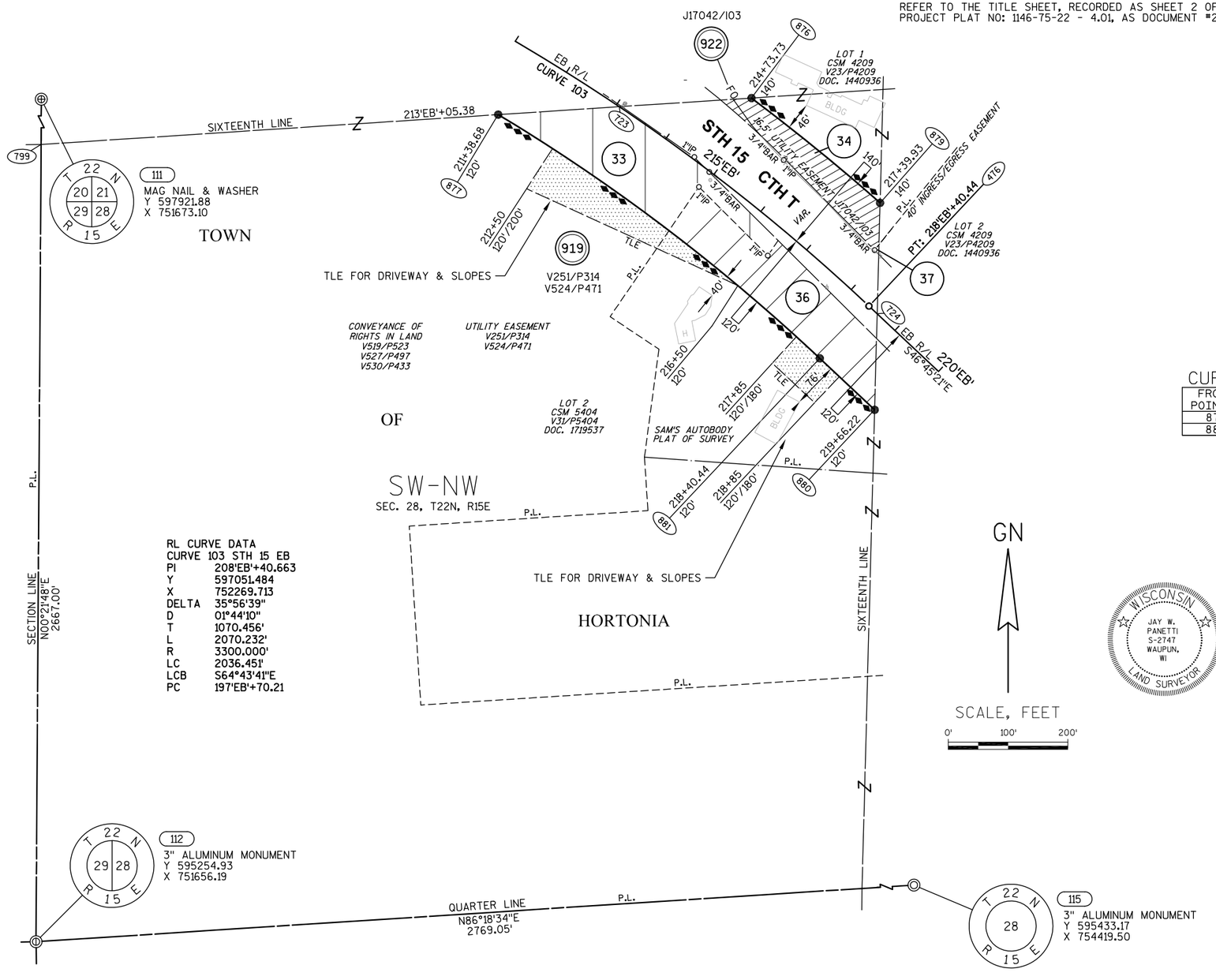
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
33	TED J. LATHROP	FEE, TLE	0.849	0	0.849	0.325
34	FAMILY FLOORS, LLC	FEE	0.369	0	0.369	0
36	SAMUEL F. THOMPSON & ELISABETH L. THOMPSON	FEE, TLE	0.854	0	0.854	0.197
37	JACOB W. SCHIEDERMAYER & DANA RAE SCHIEDERMAYER	FEE	0.001	0	0.001	0

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS



BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.13, 4.14	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

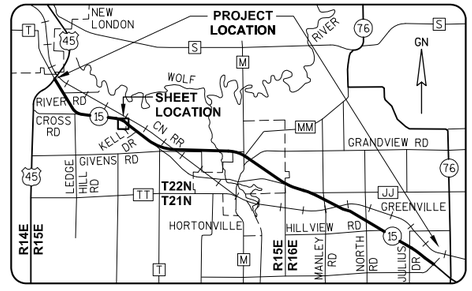
COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
111	799	S00°21'48"W	1333.50'
799	877	N86°15'52"E	766.28'
877	723	N86°15'52"E	202.91'
723	876	N86°15'52"E	221.67'
*876	879	S50°48'43"E	277.42'
879	724	S01°30'22"W	185.48'
724	880	S01°30'22"W	160.82'
880	881	N46°45'21"W	125.78'
*881	877	N52°50'53"W	674.97'

*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
876	879	3440.00'	277.50'	S50°48'43"E	277.42'
881	877	3180.00'	676.24'	N52°50'53"W	674.97'



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, 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 WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.14, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 3/11/2015 CURT VAN EREM REAL ESTATE SUPERVISOR

040414_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.15 AMENDMENT NO: 2

AMENDS PARCEL 32 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.15, AMENDMENT NO. 1, RECORDED AS DOCUMENT #2046214, AND AMENDS PARCELS 37 & 41 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.15, RECORDED AS DOCUMENT #2037959. PART OF LOT 1 OF CSM 5404, PART OF LOT 1 OF CSM 6766, PART OF LOTS 1 AND 2 OF CSM 7226, AND PART OF THE SE1/4-NW1/4 OF SECTION 28, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: **2105791**
Date: **06-06-2017** Time: **03:15 PM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP, REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.15
AMENDMENT NO: 2

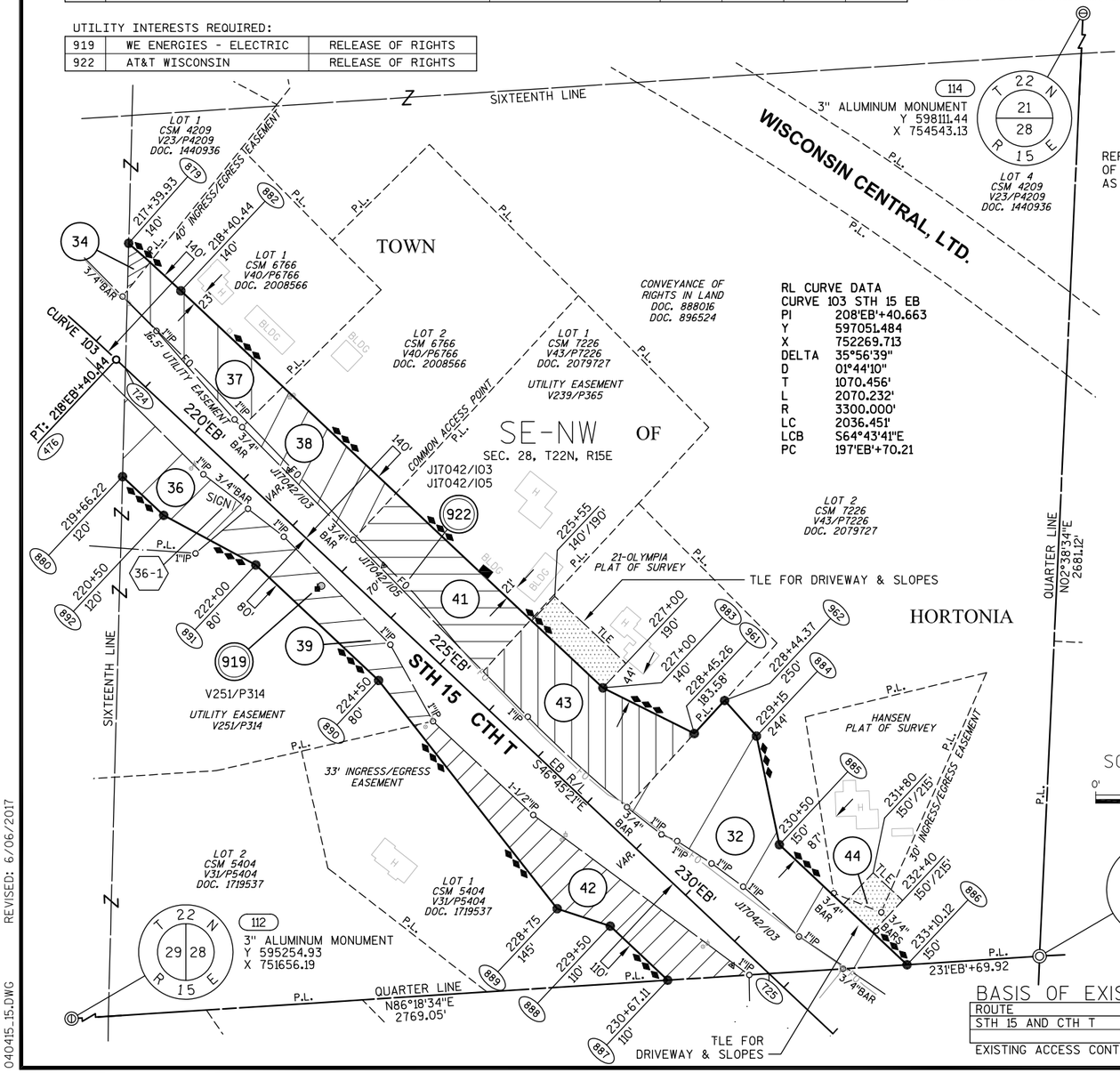
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
32	JANE C. SCHIEDERMAYER, TRUSTEE OF THE JANE C. SCHIEDERMAYER REVOCABLE TRUST, DATED 8/27/03	FEE, TLE	1.162	0	1.162	0.045
34	FAMILY FLOORS, LLC	FEE	0.026	0	0.026	0
36	SAMUEL F. THOMPSON & ELISABETH L. THOMPSON INDENT USA	FEE	0.387	0	0.387	0
37	JACOB W. SCHIEDERMAYER & DANA RAE SCHIEDERMAYER	FEE	0.452	0	0.452	0
38	DEAN A. SCHIEDERMAYER	FEE	0.478	0	0.478	0
39	DANIEL L. MERCER & MELISSA J. MERCER	FEE	0.489	0	0.489	0
41	JAMES F. SCHIEDERMAYER & FAITH R. SCHIEDERMAYER	FEE	0.623	0	0.623	0
42	THOMAS LATHROP & MARY ANN LATHROP	FEE	0.813	0	0.813	0
43	GARY C. WOLF	FEE, TLE	0.794	0	0.794	0.166
44	RICHARD L. WOLFRATH	TLE	0	0	0	0.045

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS



REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	SIGN OWNER	OASIS NUMBER
36-1	INDENT USA SAMUEL F. THOMPSON & ELISABETH L. THOMPSON	3987

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
112	887	N86°18'34"E	2216.08'
887	888	N46°45'21"W	117.11'
888	889	N71°46'22"W	82.76'
889	890	N38°03'37"W	429.94'
890	891	N46°45'21"W	250.00'
891	892	N61°41'14"W	155.24'
892	880	N46°45'21"W	83.78'
880	724	N01°30'22"E	160.82'
724	879	N01°30'22"E	185.48'
*879	882	S47°37'42"E	104.77'
882	883	S46°45'21"E	859.56'
883	961	S63°27'18"E	151.65'
961	962	N42°29'01"E	66.43'
962	884	S41°54'00"E	70.88'
884	885	S11°54'24"E	164.50'
885	886	S46°45'21"E	260.12'
886	725	S86°18'34"W	205.32'
725	887	S86°18'34"W	150.57'

*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
879	882	3440.00'	104.77'	S47°37'42"E	104.77'

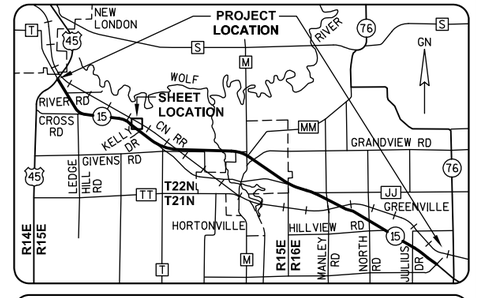
RL CURVE DATA
CURVE 103 STH 15 EB

PI	208'EB'+40.663
Y	597051.484
X	752269.713
DELTA	35°56'39"
D	01°44'10"
T	1070.456'
L	2070.232'
R	3300.000'
LC	2036.451'
LCB	S64°43'41"E
PC	197'EB'+70.21

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.13	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.15, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 6/06/2017 JAY W. PANETTI
PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 6/06/2017 CURT VAN EREM
REAL ESTATE SUPERVISOR

040415_15.DWG REVISED: 6/06/2017

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.15 AMENDMENT NO: 1

AMENDS PARCEL 32 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.15, RECORDED AS DOCUMENT #2037959. PART OF LOT 1 OF CSM 2535, PART OF LOTS 1, 2 AND 3 OF CSM 4209, PART OF LOT 1 OF CSM 5404, AND PART OF THE SE1/4-NW1/4 OF SECTION 28, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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Document #: 2046214
Date: 06-16-2015 Time: 10:27 AM
Pages: 1 Fee: $25.00
County: OUTAGAMIE COUNTY State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.15
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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36	SAMUEL F. THOMPSON & ELISABETH L. THOMPSON INDENT USA	FEE	0.387	0	0.387	0
37	JACOB W. SCHIEDERMAYER & DANA RAE SCHIEDERMAYER	FEE	0.452	0	0.452	0
38	DEAN A. SCHIEDERMAYER	FEE	0.478	0	0.478	0
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UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
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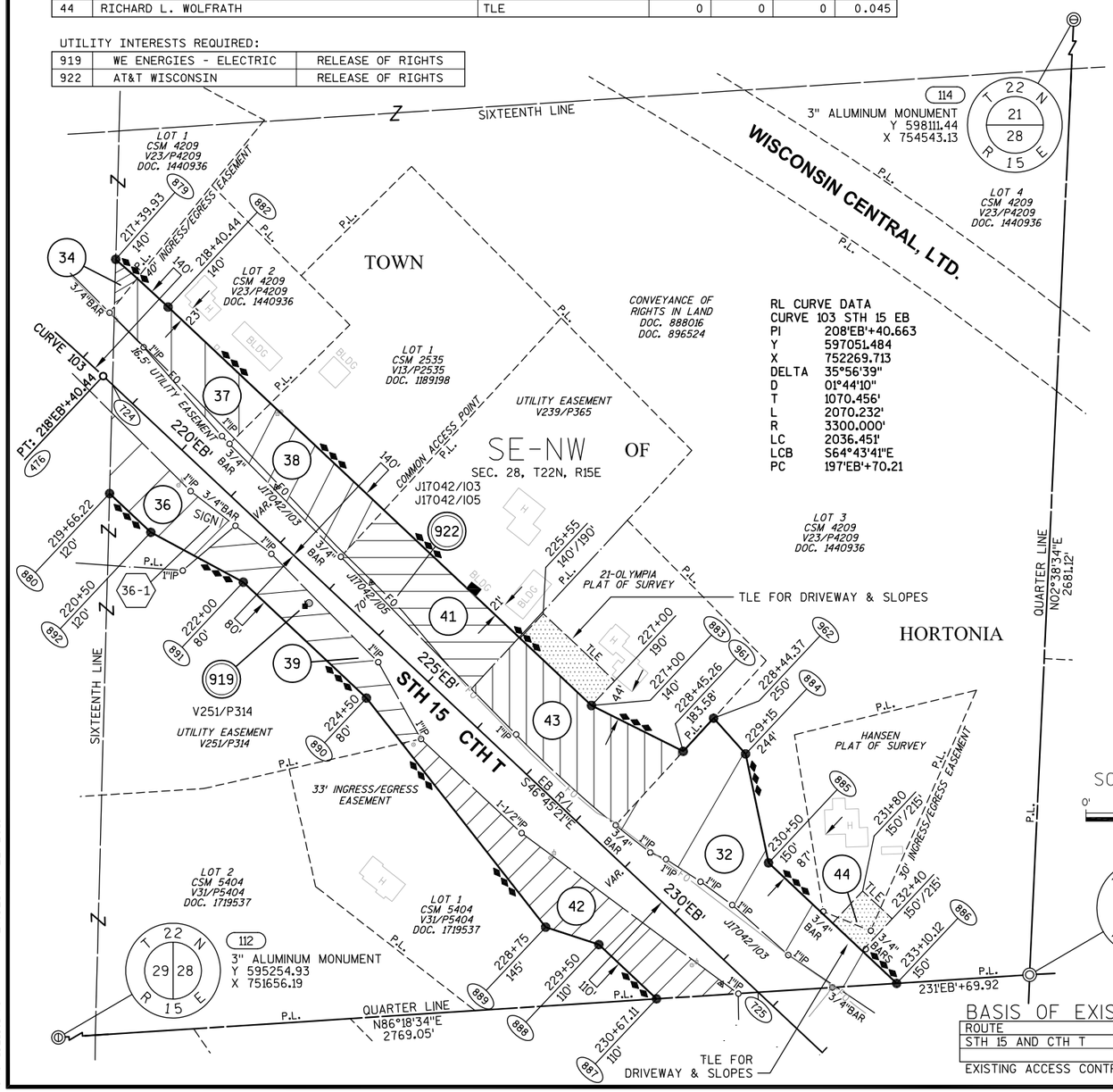

RL CURVE DATA
CURVE 103 STH 15 EB

PI	208'EB'+40.663
Y	597051.484
X	752269.713
DELTA	35°56'39"
D	01°44'10"
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L	2070.232'
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SCHEDULE OF SIGN STRUCTURES

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COURSE TABLE

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880	724	N01°30'22"E	160.82'
724	879	N01°30'22"E	185.48'
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CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
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STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.13	2011

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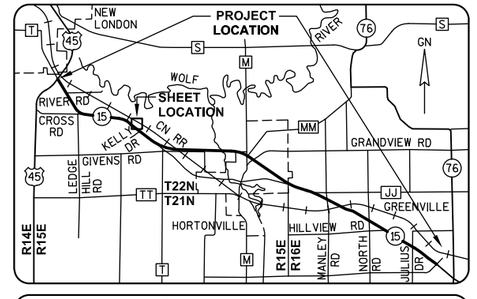

JAY W. PANETTI S-2747 WAUPUN, WI
WISCONSIN LAND SURVEYOR

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.15, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 4/22/2015 JAY W. PANETTI
PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 6/11/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

040415_15.DWG REVISED: 4/22/2015

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.15

PART OF LOT 1 OF CSM 2535, PART OF LOTS 1, 2 AND 3 OF CSM 4209, PART OF LOT 1 OF CSM 5404, AND PART OF THE SE1/4-NW1/4 OF SECTION 28, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

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REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: 2037959
Date: 03-16-2015 Time: 08:27 AM
Pages: 1 Fee: $25.00
County: OUTAGAMIE County/State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.15
AMENDMENT NO:

SCHEDULE OF LANDS & INTERESTS REQUIRED

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SCHEDULE OF SIGN STRUCTURES

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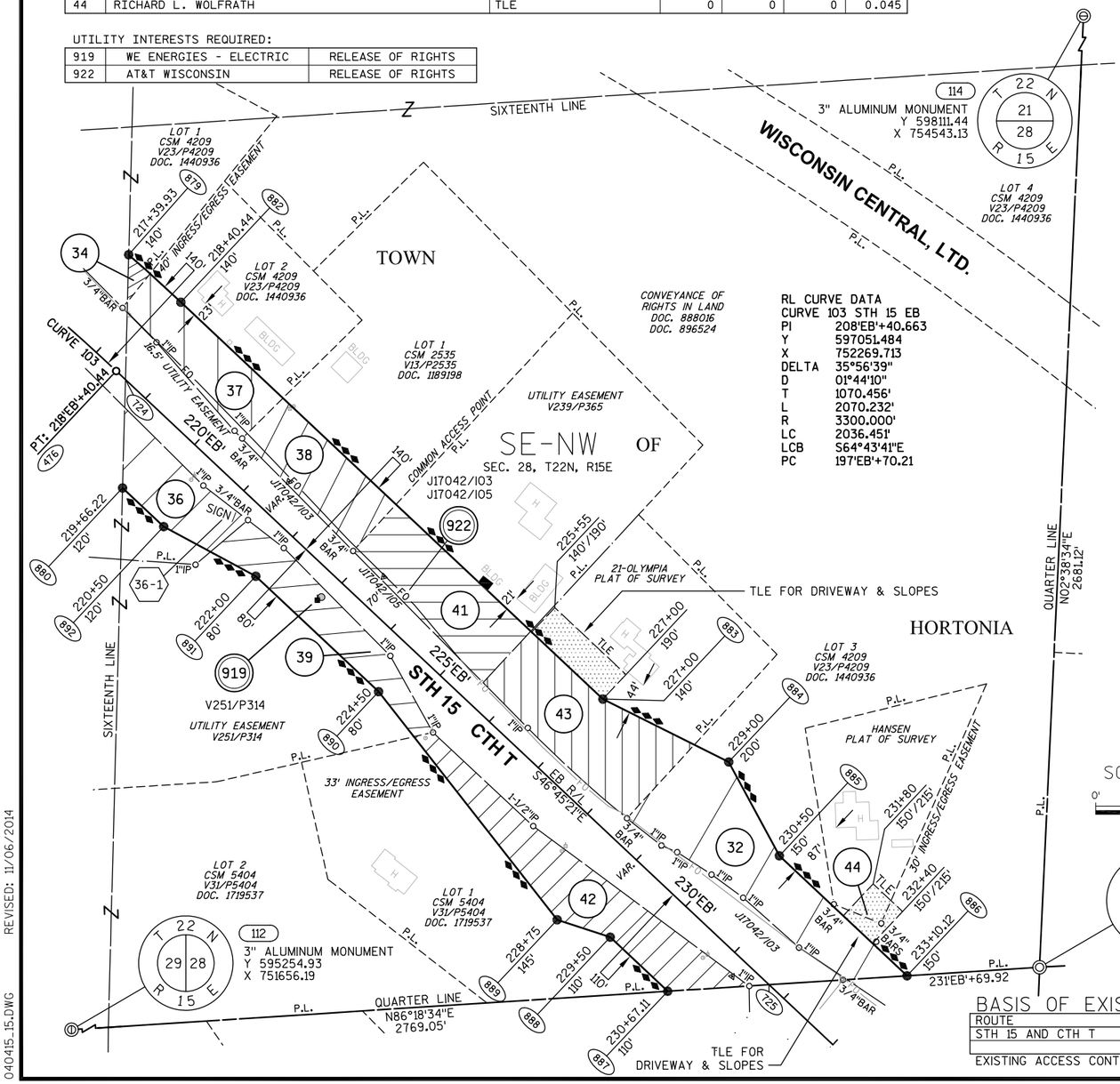

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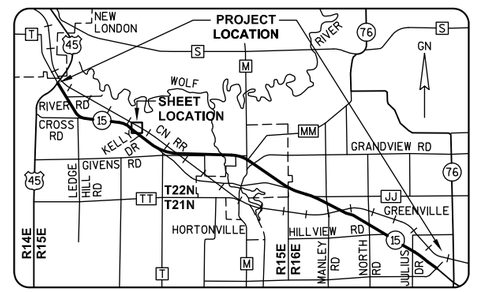

WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, 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 WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.15, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 3/11/2015 CURT VAN EREM REAL ESTATE SUPERVISOR

REVISED: 11/06/2014

040415_15.DWG

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.16

PART OF LOTS 1 AND 9 OF WIECKERT PLAT BEING PART OF THE NE1/4-SW1/4 OF SECTION 28, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document #: 2037960
Date: 03-16-2015 Time: 08:27 AM
Pages: 1 Fee: $25.00
County: OUTAGAMIE County/State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.16
AMENDMENT NO:

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

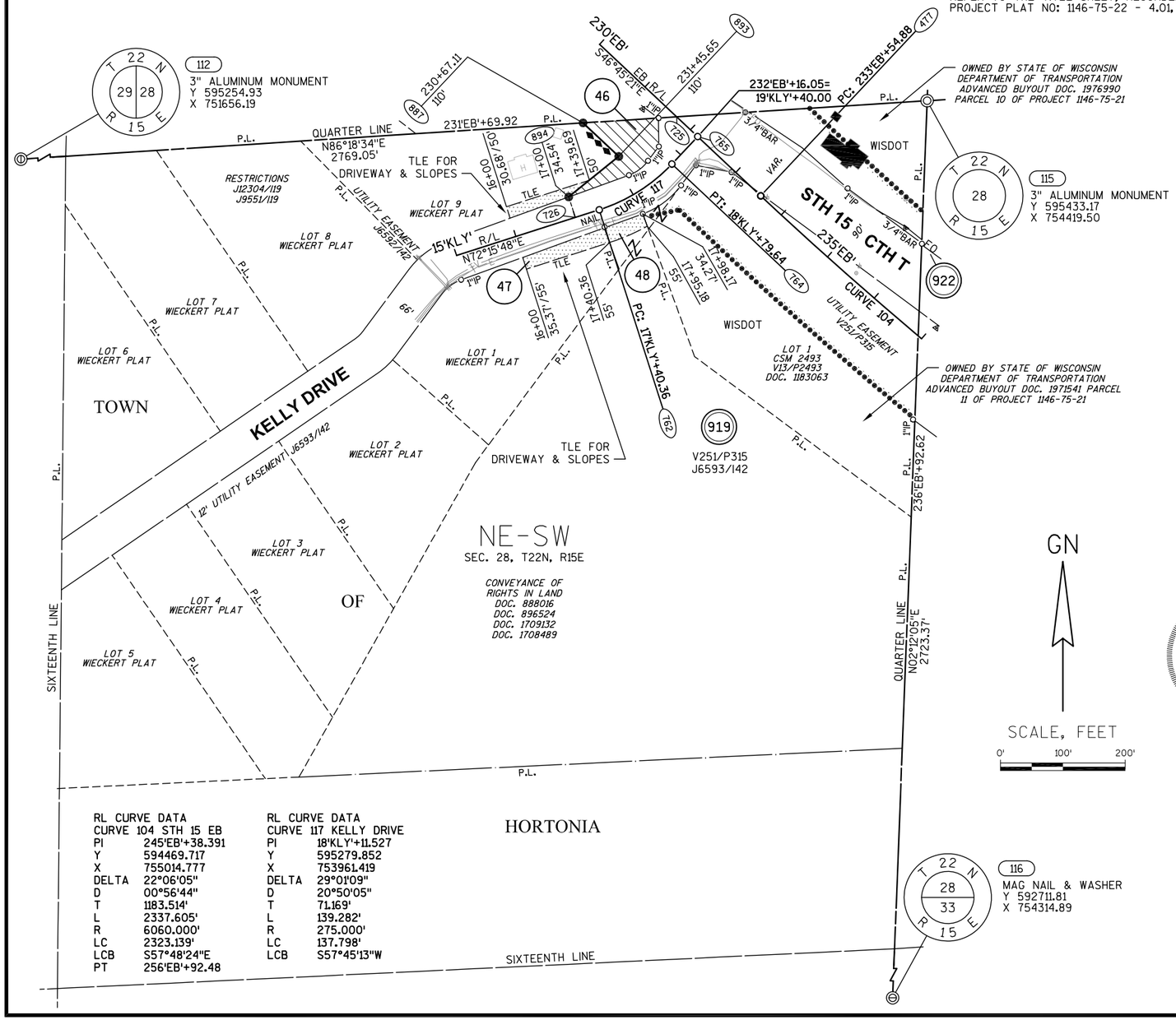
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
46	LAYNE D. CARLSON & JUDITH A. CARLSON	FEE, TLE	0.184	0	0.184	0.047
47	DAYLE R. KRIEWALDT & VIRGINIA L. KRIEWALDT	TLE	0	0	0	0.071
48	SCOTT L. SEABORNE & ELIZABETH A. SEABORNE	TLE	0	0	0	0.037

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS



BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.13	2011
KELLY DRIVE	TPP NO: 6430-06-00 - 4.13	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
112	887	N86°18'34"E	2216.08'
887	725	N86°18'34"E	150.57'
725	765	S46°45'21"E	46.13'
765	764	S43°14'39"W	60.36'
*764	762	S57°45'13"W	137.80'
762	726	S72°15'48"W	40.36'
726	894	N17°44'12"W	34.54'
894	893	N50°59'00"E	103.24'
893	887	N46°45'21"W	78.54'

*SEE CURVE TABLE

CURVE TABLE

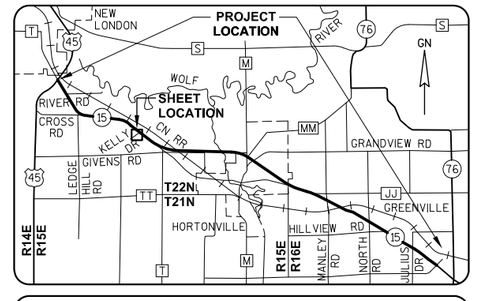
FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
764	762	275.00'	139.28'	S57°45'13"W	137.80'

RL CURVE DATA
CURVE 104 STH 15 EB

PI	245'EB'+38.391
Y	594469.717
X	755014.777
DELTA	22°06'05"
D	00°56'44"
T	1183.514'
L	2337.605'
R	6060.000'
LC	2323.139'
LCB	S57°48'24"E
PT	256'EB'+92.48

RL CURVE DATA
CURVE 117 KELLY DRIVE

PI	18'KLY'+11.527
Y	595279.852
X	753961.419
DELTA	29°01'09"
D	20°50'05"
T	71.169'
L	139.282'
R	275.000'
LC	137.798'
LCB	S57°45'13"W



WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, 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 WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.16, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 3/11/2015 CURT VAN EREM REAL ESTATE SUPERVISOR

040416_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.17

PART OF LOTS 1, 2 AND 3 OF CSM #4549, PART OF THE NW1/4-SE1/4 AND PART OF THE SW1/4-SE1/4 OF SECTION 28, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: 2037961
Date: 03-16-2015 Time: 08:27 AM
Pages: 1 Fee: $25.00
County: OUTAGAMIE County State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.17
AMENDMENT NO:

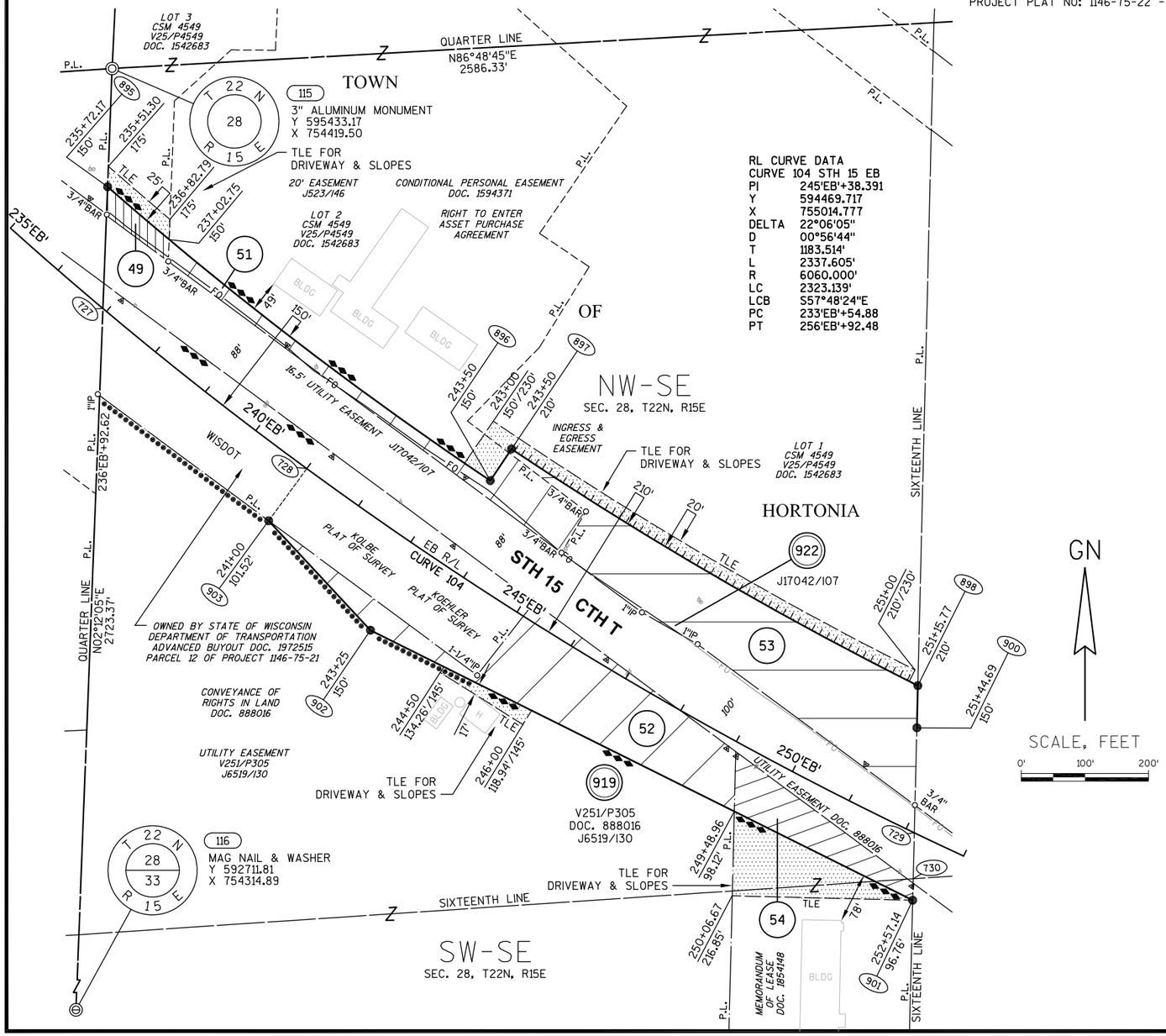
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
49	CHAD R. WOLFRATH & KATHRYN E. WOLFRATH	FEE, TLE	0.091	0	0.091	0.073
51	WOLFRATH'S NURSERY AND LANDSCAPING, LLC	FEE, TLE	0.565	0	0.565	0.060
52	RODNEY F. MARTIN	FEE, TLE	1.382	0	1.382	0.065
53	ROBERT H. WOLFRATH & DARLENE M. WOLFRATH	FEE, ACCESS RIGHTS, TLE	1.793	0	1.793	0.361
54	BLACK OTTER, LLC	FEE, TLE	0.393	0	0.393	0.432

UTILITY INTERESTS REQUIRED:

919	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
922	AT&T WISCONSIN	RELEASE OF RIGHTS



BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.12, 4.13	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

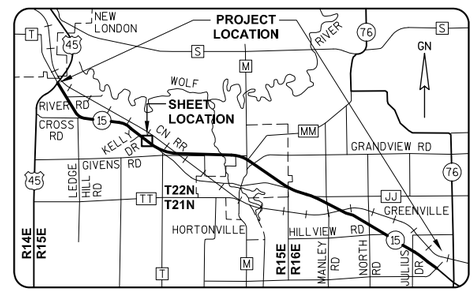
COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
116	727	N02°12'05"E	2346.05'
727	895	N02°12'05"E	191.44'
*895	896	S52°29'15"E	758.06'
896	897	N33°50'08"E	60.00'
*897	898	S59°47'05"E	738.74'
898	900	S01°23'15"W	66.24'
900	729	S01°23'15"W	164.98'
729	730	S01°23'15"W	72.30'
730	901	S01°23'15"W	33.68'
901	902	N63°31'55"W	951.66'
902	903	N42°56'44"W	234.72'
903	728	N36°11'57"E	101.52'
*728	727	N51°52'30"W	407.30'

*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
895	896	5910.00'	758.58'	S52°29'15"E	758.06'
897	898	5850.00'	739.23'	S59°47'05"E	738.74'
728	727	6060.00'	407.38'	N51°52'30"W	407.30'



WISCONSIN
JAY W. PANETTI S-2747 WAUPUN, WI
LAND SURVEYOR

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, 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 WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.17, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 3/11/2015 CURT VAN EREM REAL ESTATE SUPERVISOR

REVISED: 11/06/2014

040417_15.DWG

APPRAISAL PLAT DATE:

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
56	KEVIN SAMBS	FEE, ACCESS RIGHTS, TLE	11.302	0	11.302	0.921
57	ELIZABETH GAIGG	FEE, TLE	0.034	0	0.034	0.839

UTILITY INTERESTS REQUIRED:

922	AT&T WISCONSIN	RELEASE OF RIGHTS

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.18 AMENDMENT NO: 1

AMENDS PARCEL 57 OF TRANSPORTATION PROJECT PLAT 1146-75-22-4.18, RECORDED AS DOCUMENT #2037962. PART OF THE NE1/4-SE1/4 AND PART OF THE SE1/4-SE1/4 OF SECTION 28, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED PROJECT.
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Document #: 2064106
Date: 01-21-2016 Time: 09:05 AM
Pages: 1 Fee: $25.00
County: OUTAGAMIE COUNTY State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
This document has been electronically recorded and returned to:
WiDotNeRegionGreenbay

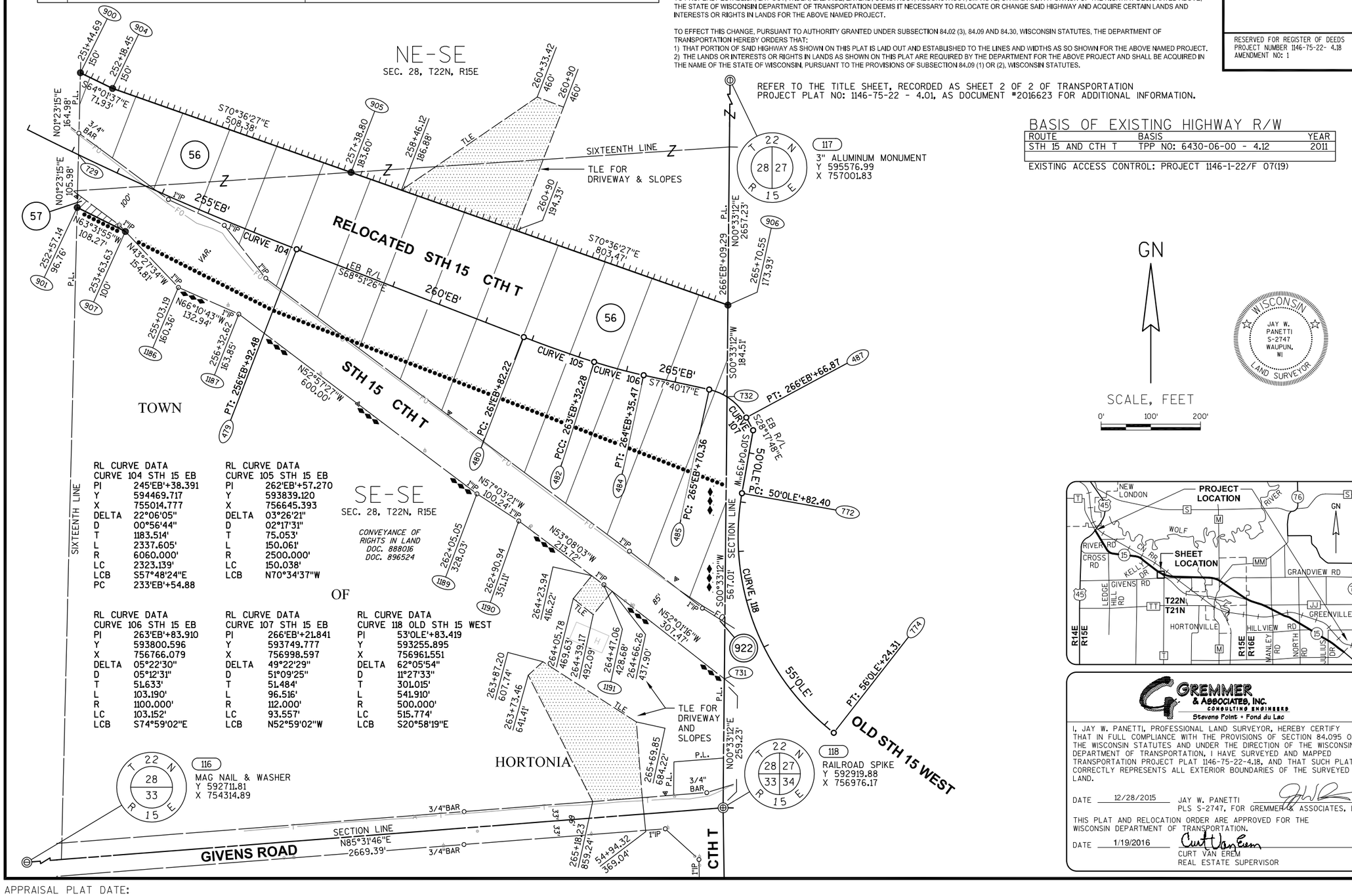
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.18
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.12	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)



RL CURVE DATA
CURVE 104 STH 15 EB
PI 245'EB'+38.391
Y 594469.717
X 755014.777
DELTA 22°06'05"
D 00°56'44"
T 1183.514'
L 2337.605'
R 6060.000'
LC 2323.139'
LCB S57°48'24"E
PC 233'EB'+54.88

RL CURVE DATA
CURVE 105 STH 15 EB
PI 262'EB'+57.270
Y 593839.120
X 756645.393
DELTA 03°26'21"
D 02°17'31"
T 75.053'
L 150.061'
R 2500.000'
LC 150.038'
LCB N70°34'37"W

RL CURVE DATA
CURVE 106 STH 15 EB
PI 263'EB'+83.910
Y 593800.596
X 756766.079
DELTA 05°22'30"
D 05°12'31"
T 51.633'
L 103.190'
R 1100.000'
LC 103.152'
LCB S74°59'02"E

RL CURVE DATA
CURVE 107 STH 15 EB
PI 266'EB'+21.841
Y 593749.777
X 756998.597
DELTA 49°22'29"
D 51°09'25"
T 51.484'
L 96.516'
R 112.000'
LC 93.557'
LCB N52°59'02"W

RL CURVE DATA
CURVE 118 OLD STH 15 WEST
PI 53'0LE'+83.419
Y 593255.895
X 756961.551
DELTA 62°05'54"
D 11°27'33"
T 301.015'
L 541.910'
R 500.000'
LC 515.774'
LCB S20°58'19"E

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.18, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 12/28/2015 JAY W. PANETTI
PLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 1/19/2016 CURT VAN EREM
REAL ESTATE SUPERVISOR

040418_15.DWG REVISED: 12/28/2015

APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.18

PART OF THE NE1/4-SE1/4 AND PART OF THE SE1/4-SE1/4 OF SECTION 28, T22N, R15E, ALL IN THE TOWN OF HORTONIA, OUTAGAMIE COUNTY, WISCONSIN

RELOCATION ORDER - STH 15 (LILY OF THE VALLEY DRIVE - USH 45), OUTAGAMIE COUNTY

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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 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 NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT NO: 1146-75-22 - 4.01, AS DOCUMENT #2016623 FOR ADDITIONAL INFORMATION.

Document #: **2037962**
Date: **03-16-2015** Time: **08:28 AM**
Pages: **1** Fee: **$25.00**
County: **OUTAGAMIE COUNTY** State: **WI**

SARAH R VAN CAMP , REGISTER OF DEEDS
"The above recording information verifies this document has been electronically recorded and returned to the submitter."

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1146-75-22- 4.18
AMENDMENT NO:

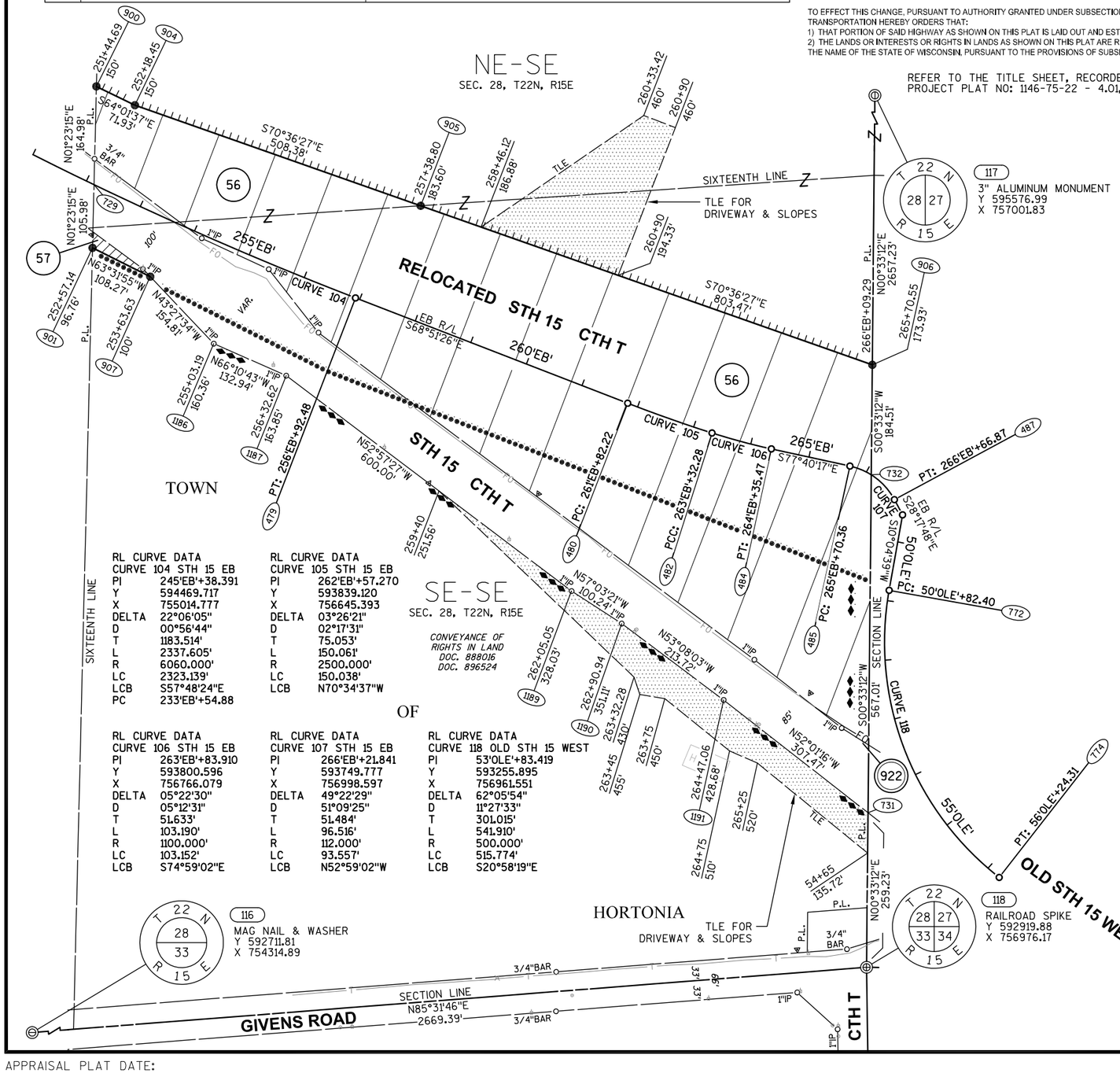
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES TEMP.
56	KEVIN SAMBS	FEE, ACCESS RIGHTS, TLE	11.302	0	11.302	0.921
57	ELIZABETH GAIGG	FEE, TLE	0.034	0	0.034	0.895

UTILITY INTERESTS REQUIRED:

922	AT&T WISCONSIN	RELEASE OF RIGHTS



RL CURVE DATA

CURVE 104 STH 15 EB		CURVE 105 STH 15 EB	
PI	245'EB'+38.391	PI	262'EB'+57.270
Y	594469.717	Y	593839.120
X	755014.777	X	756645.393
DELTA	22°06'05"	DELTA	03°26'21"
D	00°56'44"	D	02°17'31"
T	1183.514'	T	75.053'
L	2337.605'	L	150.061'
R	6060.000'	R	2500.000'
LC	2323.139'	LC	150.038'
LCB	S57°48'24"E	LCB	N70°34'37"W
PC	233'EB'+54.88		

CURVE 106 STH 15 EB		CURVE 107 STH 15 EB		CURVE 118 OLD STH 15 WEST	
PI	263'EB'+83.910	PI	266'EB'+21.841	PI	53'0LE'+83.419
Y	593800.596	Y	593749.777	Y	593255.895
X	756766.079	X	756998.597	X	756961.551
DELTA	05°22'30"	DELTA	49°22'29"	DELTA	62°05'54"
D	05°12'31"	D	51°09'25"	D	11°27'33"
T	51.633'	T	51.484'	T	301.015'
L	103.190'	L	96.516'	L	541.910'
R	1100.000'	R	112.000'	R	500.000'
LC	103.152'	LC	93.557'	LC	515.774'
LCB	S74°59'02"E	LCB	N52°59'02"W	LCB	S20°58'19"E

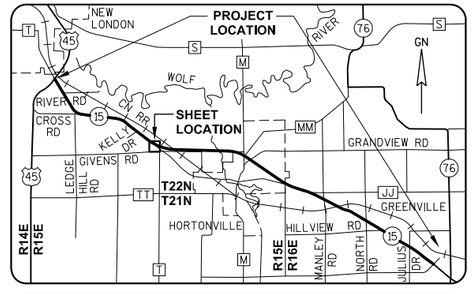
BASIS OF EXISTING HIGHWAY R/W

ROUTE	BASIS	YEAR
STH 15 AND CTH T	TPP NO: 6430-06-00 - 4.12	2011

EXISTING ACCESS CONTROL: PROJECT 1146-1-22/F 07(19)

GN

SCALE, FEET
0' 100' 200'



GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac

I, JAY W. PANETTI, 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 WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1146-75-22-4.18, AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE 11/06/2014 JAY W. PANETTI
RLS S-2747, FOR GREMMER & ASSOCIATES, INC.

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

DATE 3/11/2015 CURT VAN EREM
REAL ESTATE SUPERVISOR

JAY W. PANETTI S-2747 WAUPUN, WI WISCONSIN LAND SURVEYOR

040418_15.DWG REVISED: 11/06/2014

APPRAISAL PLAT DATE:

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
61	105+85.69	775.154	CHISELED SQ SE CORNER "FORD PRE-OWNED VEHICLES" SIGN BASE N OF STH 15
60	118+51.77	775.130	PAINTED SQ TOP METAL CULVERT N SIDE STH 15 E OF DRWY @ HOUSE #N3530

BEGIN PROJECT
STA 100'EB'+49.00
Y=602,275.125
X=743,951.713
MATCH EXISTING
SAW CUT REQUIRED

FOX VALLEY AND LAKE SUPERIOR RAIL SYSTEM LLC
424'RRA'
422'RRA'
418'RRA'
416'RRA'
USH 45
38'USH'
36'USH'
BM 61
WOLF RIVER RUN
EQUATION
STA AHEAD = 114+29.00
STA BACK = 114+25.48
CONCRETE PAVEMENT GAP
STH 15
2- 36" CPRC CULVERT EXTENSIONS
2 APRON ENDWALLS FOR CULVERT PIPE SALVAGED 36-INCH REQ'D
SLOPE INTERCEPT
STA 109+21.68 R/L ALI STH 15 EB =
STA 80+00.00 R/L ALI WOLF RIVER RUN
Y=601,500.790
X=744,354.171
+93
24' FE
WETLAND LIMITS (TYP)
EXCAVATION BELOW SUBGRADE LIMITS
CONCRETE PAVEMENT GAP
MARSH EXCAVATION LIMITS
RIVER RD
90°
BM 60
30" CPRC
2 AEW REQ'D
STA 121+48.90 R/L ALI STH 15 EB =
STA 20+00.00 R/L ALI RIVER RD
Y=600,434.492
X=744,960.090
+47
15' PE
TYPE B1
MODIFIED INTERS
SEE ORT DRIVEWAY PLAN AND PROFILE
MATCH LINE 125+00

VPI STA 100'EB'+48.76
VPI EL 776.91
VPC STA 101'EB'+00.00
VPC EL 776.24
VCL = 500.00'
K = 230.55
LP STA 103'EB'+99.01
LP EL 774.303
VPT STA 106'EB'+00.00
VPT EL 775.18
1.30%
0.87%
'EB' R/L EXISTING PROFILE
'EB' R/L FINISHED PROFILE
HP STA 121'EB'+53.76
HP EL 786.09
VPI STA 123'EB'+00.00
VPI EL 790.00
VPC STA 115'EB'+50.00
VPC EL 783.46
VCL = 1500.00'
K = 692.55
EXISTING PROFILE ELEVATIONS AT 'EB' R/L
FINISHED PROFILE ELEVATIONS AT 'EB' R/L

EXISTING 36" CPRC TO BE EXTENDED
101'EB'+51.72; 63.89' RT; EL=769.80
101'EB'+43.45; 41.37' RT; EL=769.67
24 LF OF CPRC CLASS IV 36-INCH REQ'D
EXISTING 36" CPRC TO BE EXTENDED
101'EB'+61.22; 59.79' RT; EL=769.80
101'EB'+53.54; 39.17' RT; EL=769.51
22 LF OF CPRC CLASS IV 36-INCH REQ'D
113'EB'+26.87; 55.00' RT; EL=778.64
112'EB'+56.89; 55.80' RT; EL=777.33
70 LF OF CULVERT PIPE CLASS III-A 18-INCH REQ'D
EXISTING 24" CPCM TO BE REMOVED STA 118'EB'+47
118'EB'+35.19; 74.00' RT; EL=776.48
118'EB'+35.18; 137.95' LT; EL=772.00
212 LF OF CPCPE 30-INCH REQ'D
* CPCPE EQUALS CULVERT PIPE CLASS III-A NON-METAL

96'EB'	98'EB'	100'EB'	102'EB'	104'EB'	106'EB'	108'EB'	110'EB'	112'EB'	114'EB'	116'EB'	118'EB'	120'EB'	122'EB'	124'EB'
777.41	776.46 / 776.24	775.12 / 775.16	774.50 / 774.52	774.14 / 774.30	774.49 / 774.52	775.19 / 775.18	776.34 / 776.05	776.97 / 776.92	777.64 / 777.79	778.96 / 778.67	780.36 / 779.54	781.72 / 780.41	783.11 / 781.28	784.21 / 782.15	784.81 / 783.03	785.01 / 783.88	785.18 / 784.61	785.44 / 785.19	785.06 / 785.63	784.55 / 785.92	785.04 / 786.07	785.75 / 786.08	784.58 / 785.94	784.22 / 785.66	783.38 / 785.23

PROJECT NO:1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 15 – EB	SHEET 292	E

MATCH LINE 125+00

MATCH LINE 155+00

R/W

SEE SOFT CLAY REMOVAL DETAIL

MARSH EXCAVATION LIMITS

CONCRETE PAVEMENT GAP

TYPE B1 MODIFIED INTERS

STH 15

126'WB' 128'WB' 130'WB' 132'WB' 134'WB' 136'WB' 138'WB' 140'WB' 142'WB' 144'WB' 146'WB' 148'WB' 150'WB' 152'WB' 154'WB'

126'EB' 128'EB' 130'EB' 132'EB' 134'EB' 136'EB' 138'EB' 140'EB' 142'EB' 144'EB' 146'EB' 148'EB' 150'EB' 152'EB' 154'EB'

BM 59

+16
24' FE

WETLAND LIMITS (TYPICAL)

SLOPE INTERCEPT

BM 58

C-44-0121

30'CRS

90°

TLE

CROSS RD

24'EB'

TYPE B2 MODIFIED INTERS

BM 95

SEC
4" HARRISON MONUMENT
X=746380.870
Y=597797.080

LEDGE HILL RD

CH1.05

T N 22 19 20 29 30 E 15 R

STA 147+65.16 R/L ALI STH 15 EB =
STA 29+44.68 R/L ALI CROSS RD
Y=598,253.484
X=746,399.656

STA 25+81.01 R/L ALI CROSS RD =
STA 50+00.12 R/L ALI LEDGE HILL RD
Y=598,001.121
X=746,137.961

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
59	128+01.51	783.978	PK NAIL S FACE 4TH PPOL E OF RIVER RD N OF STH 15
58	141+42.46	765.160	PAINTED SQUARE TOP OF METAL CULVERT N OF STH 15
95	150+71.37	782.145	R/W 1" IRON PIPE SE QUAD CROSS RD AND LEDGE HILL RD

VCL = 1000.00'
K = 590.28

VPC STA 135'EB'+00.00
VPC EL 774.47

LP STA 142'EB'+63.89
LP EL 769.528

VPT STA 145'EB'+00.00
VPT EL 770.00

'EB' R/L EXISTING PROFILE

-1.29%

128'EB'+81.63; 60.09' RT; EL=777.55
129'EB'+49.61; 58.42' RT; EL=777.09
68 LF OF CULVERT PIPE CLASS III-A 18-INCH REQ'D

VPT STA 130'EB'+50.00
VPT EL 780.29

'EB' R/L FINISHED PROFILE

VPI STA 140'EB'+00.00
VPI EL 768.00

EXISTING 96" PSP
TO BE REMOVED
STA 141'EB'+42

141'EB'+29.67; 63.63' RT; EL=756.00
141'EB'+96.71; 120.55' LT; EL=755.50
196 LF OF STRUCTURE C-44-121
8X7-FEET CONCRETE BOX CULVERT REQ'D

EXISTING PROFILE ELEVATIONS AT 'EB' R/L

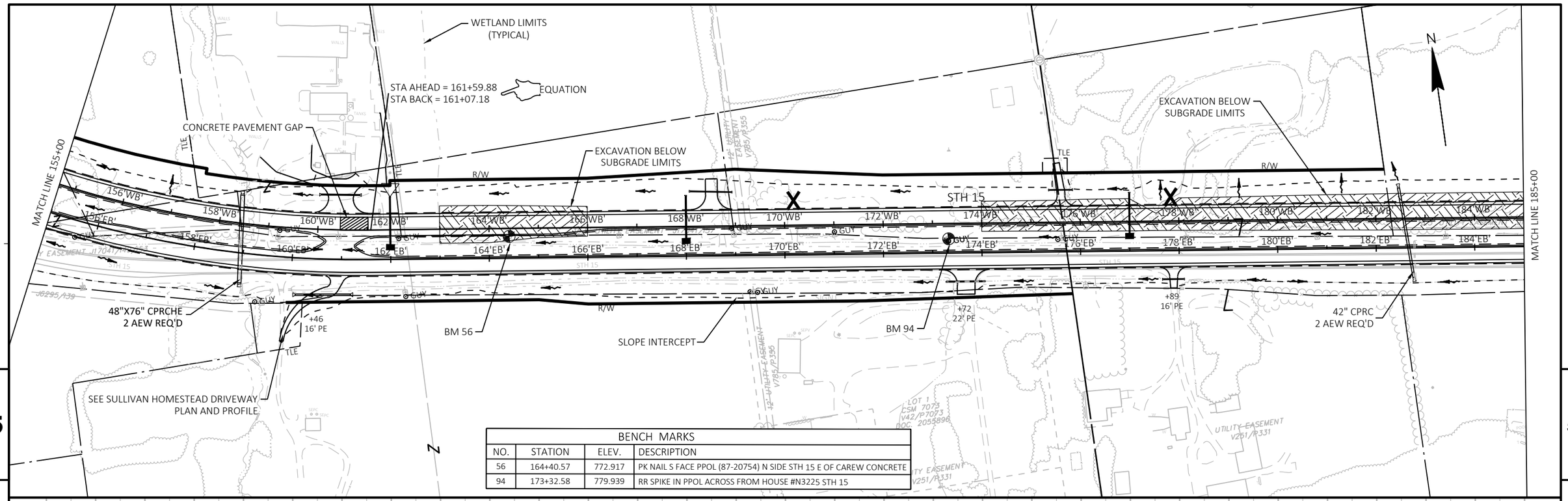
FINISHED PROFILE ELEVATIONS AT 'EB' R/L

800 790 780 770 760 750 740 730

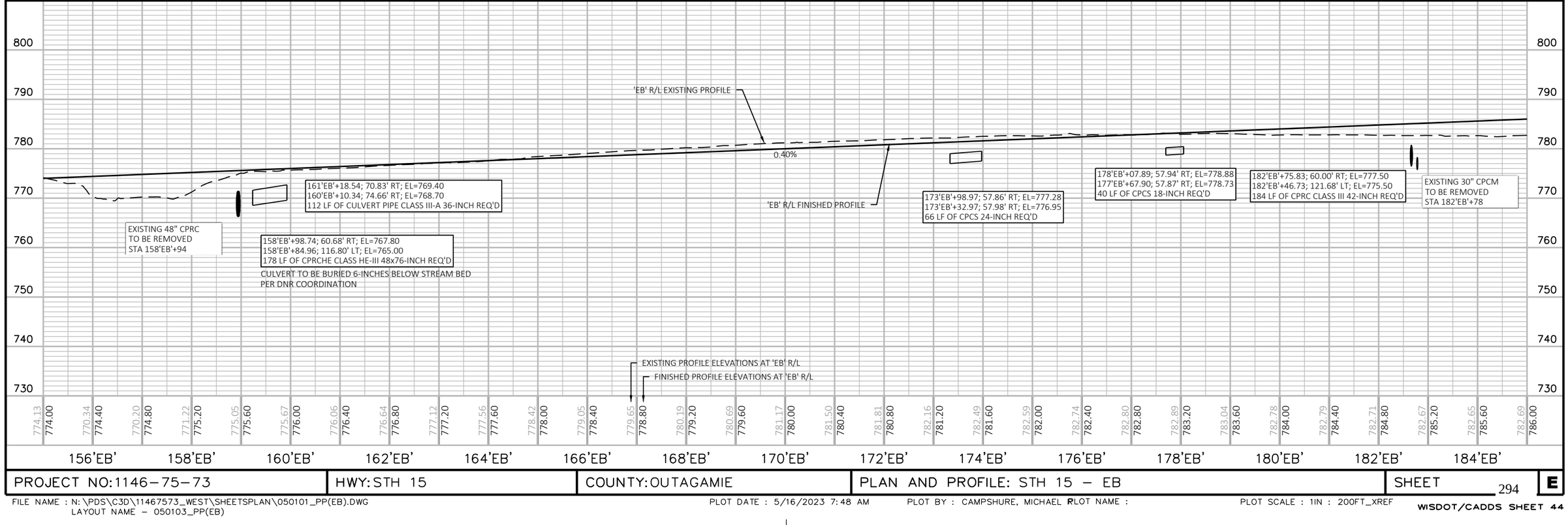
783.38 785.23 783.96 784.66 784.06 783.94 784.17 783.08 785.75 782.07 784.30 780.92 783.90 779.65 782.64 778.35 780.87 777.06 779.12 775.76 777.13 774.47 775.71 773.26 773.94 772.22 772.25 771.35 771.17 770.65 770.40 770.12 770.55 769.76 770.86 769.56 771.42 769.54 771.41 769.68 770.94 770.00 769.86 770.40 769.66 770.80 769.87 771.20 771.28 771.60 772.59 772.00 773.80 772.40 774.64 772.80 775.15 773.20 774.83 773.60 774.13 774.00

126'EB' 128'EB' 130'EB' 132'EB' 134'EB' 136'EB' 138'EB' 140'EB' 142'EB' 144'EB' 146'EB' 148'EB' 150'EB' 152'EB' 154'EB'

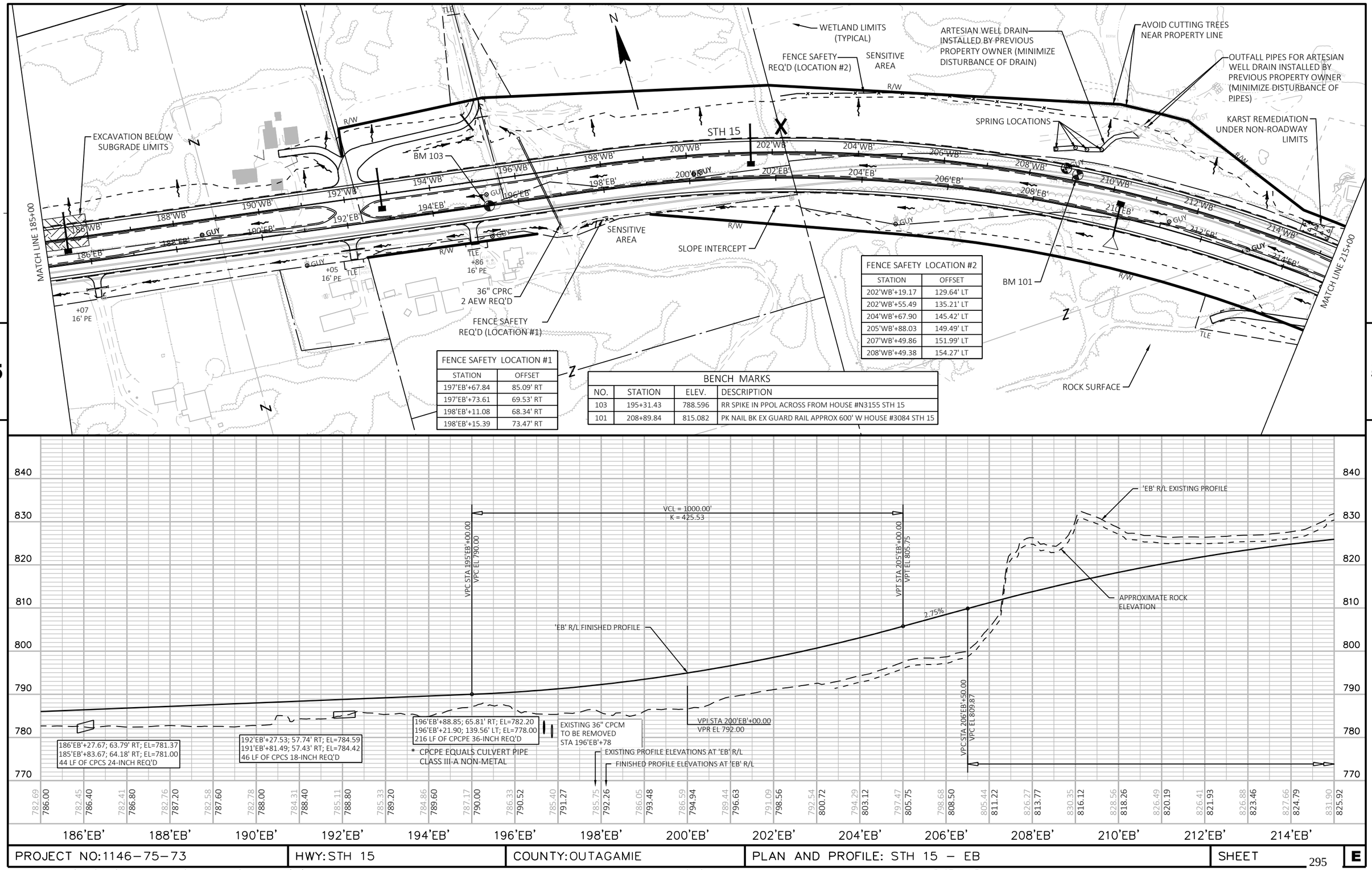
PROJECT NO:1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 15 – EB	SHEET 293	E



BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
56	164+40.57	772.917	PK NAIL S FACE PPOL (87-20754) N SIDE STH 15 E OF CAREW CONCRETE
94	173+32.58	779.939	RR SPIKE IN PPOL ACROSS FROM HOUSE #N3225 STH 15



PROJECT NO:1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 15 – EB	SHEET 294	E



FENCE SAFETY LOCATION #1	
STATION	OFFSET
197'EB'+67.84	85.09' RT
197'EB'+73.61	69.53' RT
198'EB'+11.08	68.34' RT
198'EB'+15.39	73.47' RT

FENCE SAFETY LOCATION #2	
STATION	OFFSET
202'WB'+19.17	129.64' LT
202'WB'+55.49	135.21' LT
204'WB'+67.90	145.42' LT
205'WB'+88.03	149.49' LT
207'WB'+49.86	151.99' LT
208'WB'+49.38	154.27' LT

BENCH MARKS

NO.	STATION	ELEV.	DESCRIPTION
103	195+31.43	788.596	RR SPIKE IN PPOL ACROSS FROM HOUSE #N3155 STH 15
101	208+89.84	815.082	PK NAIL BK EX GUARD RAIL APPROX 600' W HOUSE #3084 STH 15

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 15 – EB	SHEET 295 E

KARST REMEDIATION UNDER NON-ROADWAY LIMITS

BM 53

STA AHEAD = 218+40.44
STA BACK = 218+78.08
EQUATION

KARST REMEDIATION UNDER ROADWAY LIMITS (SUBGRADE SHOULDER POINT TO SUBGRADE SHOULDER POINT)

MATCH LINE 215+00

216'WB' 216'EB' 218'EB' 220'WB' 220'EB' 222'WB' 222'EB' 224'WB' 224'EB' 226'WB' 226'EB' 228'WB' 228'EB' 230'WB' 230'EB' 232'WB' 232'EB' 234'WB' 234'EB' 236'WB' 236'EB' 238'WB' 238'EB' 240'WB' 240'EB' 242'WB' 242'EB' 244'WB' 244'EB'

STH 15

C-44-0122

BM 51

MATCH LINE 245+00

+40 16' PE TLE

+49 16' PE

+02 16' PE

SLOPE INTERCEPT

ROCK SURFACE

SEE LATHROP DRIVEWAY PLAN AND PROFILE AND INTERSECTION DETAILS

CONCRETE PAVEMENT GAP

SENSITIVE AREA

KELLY DR

16'TYP

90°

TYPE B1 MODIFIED INTERS

STA 232+16.05 R/L ALI STH 15 EB =
STA 19+40.01 R/L ALI KELLY DR
Y=595,375.663
X=754,051.531

BM 100

C-44-0123

WETLAND LIMITS (TYPICAL)

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
53	215+42.06	830.525	PK NAIL S FACE PPOL (20-08793) S SIDE STH 15 W DRWY FOR HOUSE #N3084
100	232+67.44	822.476	RR SPIKE IN PPOL SE QUAD KELLY DR AND STH 15
51	243+41.81	803.349	CHISLED SQ NE WALL BOX CULV N STH 15 AND E WOLFRATH'S NURSERY

APPROXIMATE ROCK ELEVATION

VPI STA 216'EB'+00.00
VPI EL 836.00

HP STA 220'EB'04.63
HP EL 828.50

218'EB'+81.40; 59.93' RT; EL=823.19
217'EB'+94.60; 58.37' RT; EL=822.66
86 LF OF CULVERT PIPE CLASS III-A 18-INCH REQ'D

215'EB'+97.18; 58.22' RT; EL=821.54
215'EB'+48.32; 58.00' RT; EL=821.01
48 LF OF CPCS 18-INCH REQ'D

VPT STA 225'EB'+50.00
VPT EL 825.48

VCL = 1900.00'
K = 492.59

225'EB'+89.75; 63.39' RT; EL=819.98
226'EB'+23.70; 65.02' RT; EL=819.22
34 LF OF PACS 57X38-INCH REQ'D

-1.11%

EXISTING C-44-24-59
4'X4' CONCRETE BOX
TO BE REMOVED

228'EB'+78.43; 59.00' RT; EL=812.94
228'EB'+78.43; 122.25' LT; EL=809.58
181 LF OF STRUCTURE C-44-122
7X5-FEET CONCRETE BOX CULVERT REQ'D

'EB' R/L EXISTING PROFILE

'EB' R/L FINISHED PROFILE

VPC STA 237'EB'+00.00
VPC EL 812.75

VCL = 1400.00'
K = 845.58

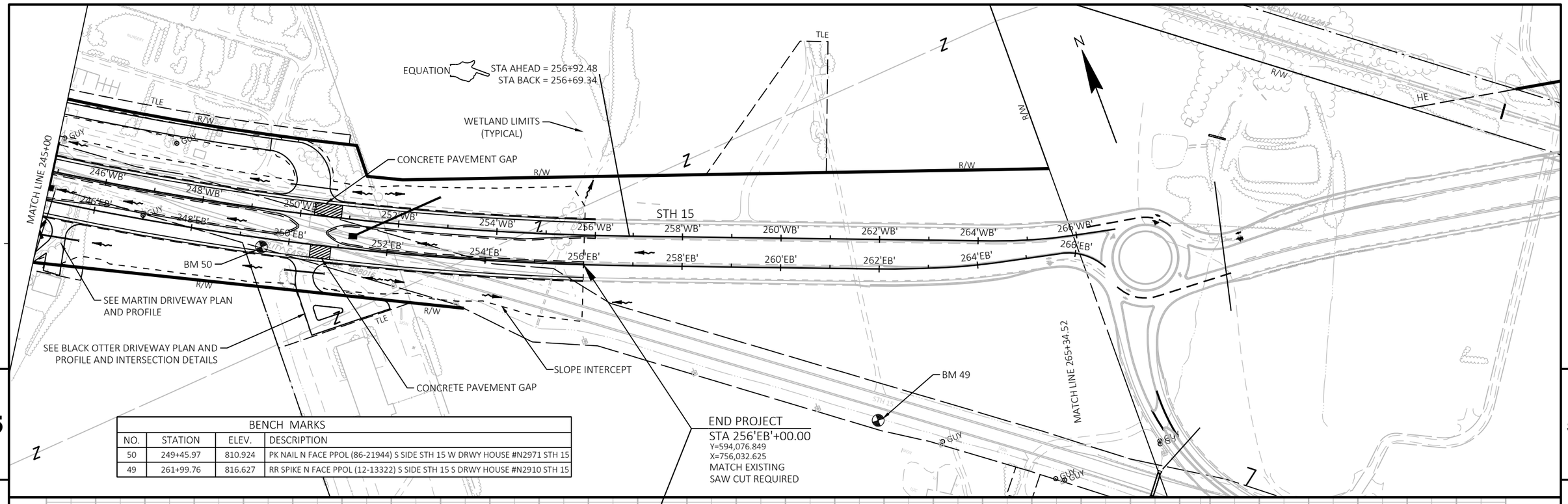
EXISTING C-44-23-59
4'X4' CONCRETE BOX
TO BE REMOVED

243'EB'+29.12; 60.42' RT; EL=799.70
243'EB'+38.65; 119.33' LT; EL=798.70
180 LF OF STRUCTURE C-44-123
6X5-FEET CONCRETE BOX CULVERT REQ'D

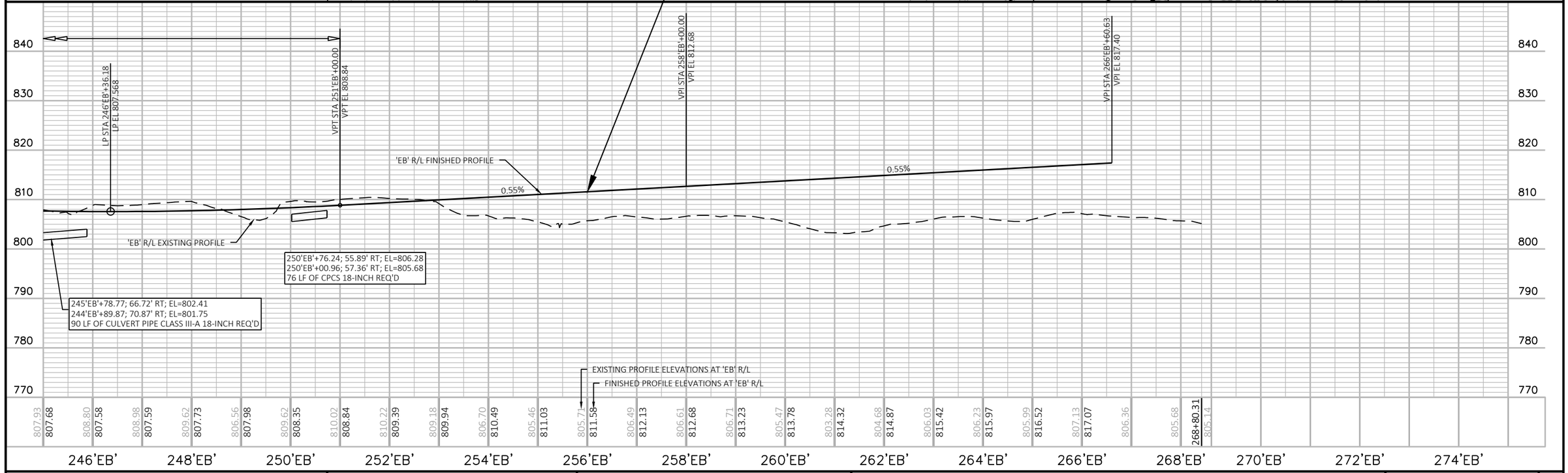
VPI STA 244'EB'+00.00
VPI EL 805.00

EXISTING PROFILE ELEVATIONS AT 'EB' R/L
FINISHED PROFILE ELEVATIONS AT 'EB' R/L

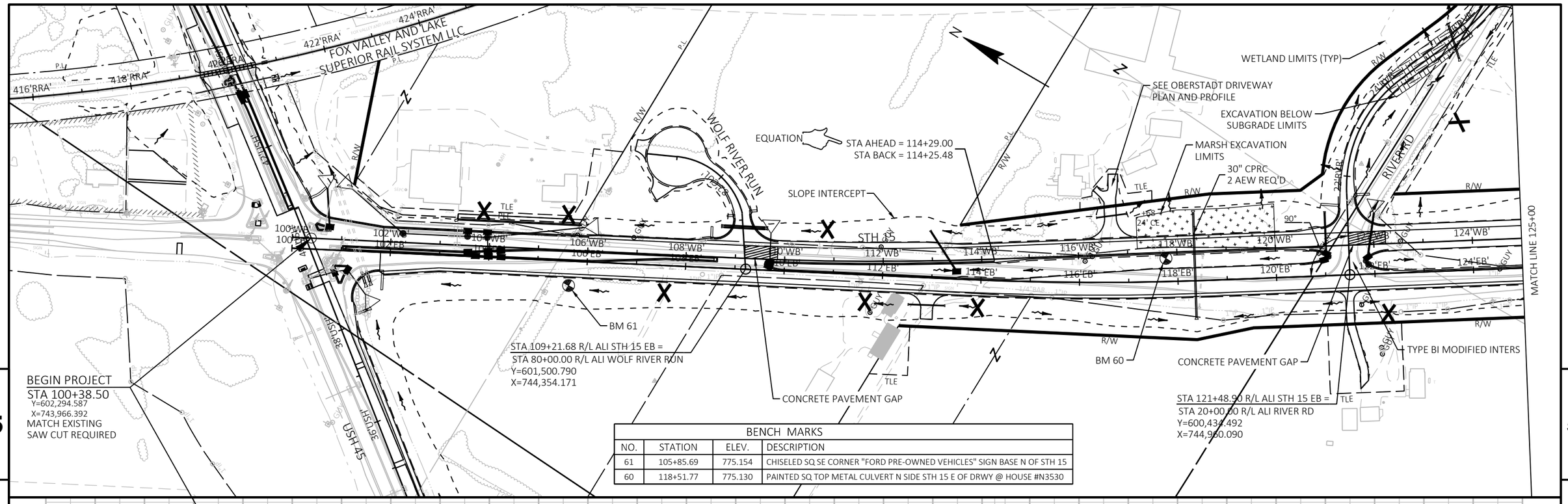
| | | |



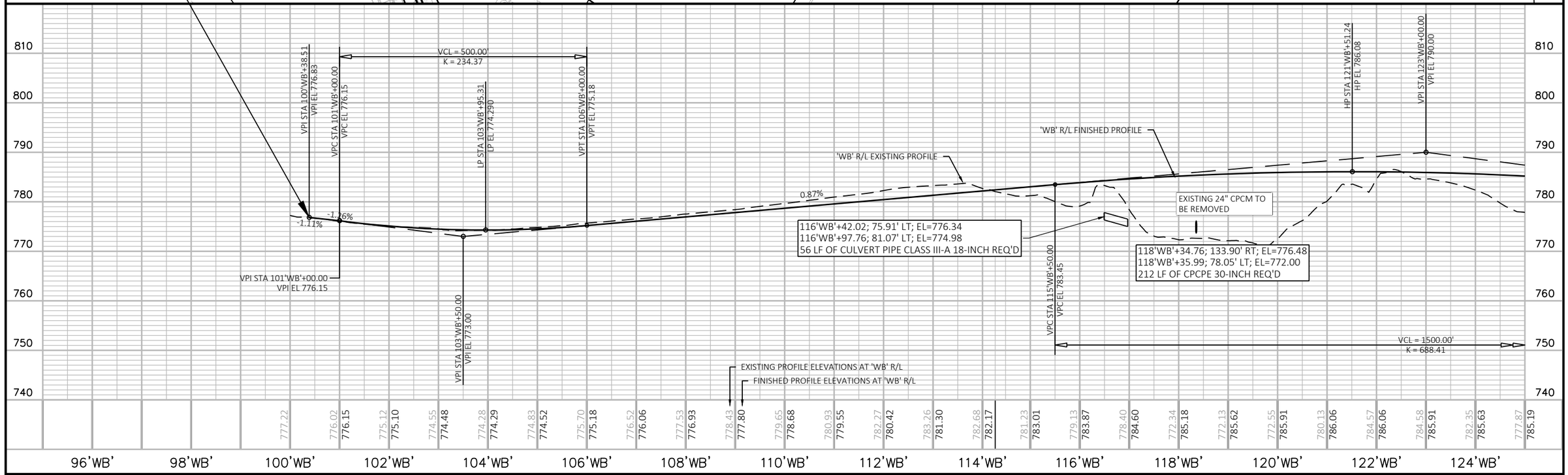
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
50	249+45.97	810.924	PK NAIL N FACE PPOL (86-21944) S SIDE STH 15 W DRWY HOUSE #N2971 STH 15
49	261+99.76	816.627	RR SPIKE N FACE PPOL (12-13322) S SIDE STH 15 S DRWY HOUSE #N2910 STH 15



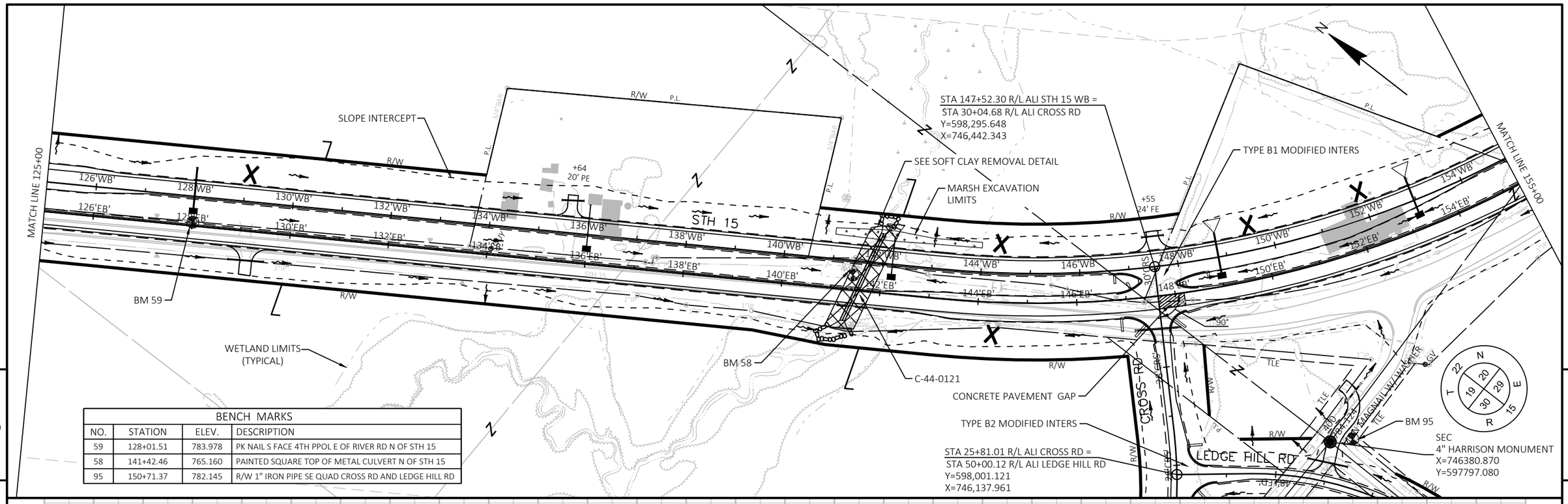
PROJECT NO:1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 15 – EB	SHEET 297	E



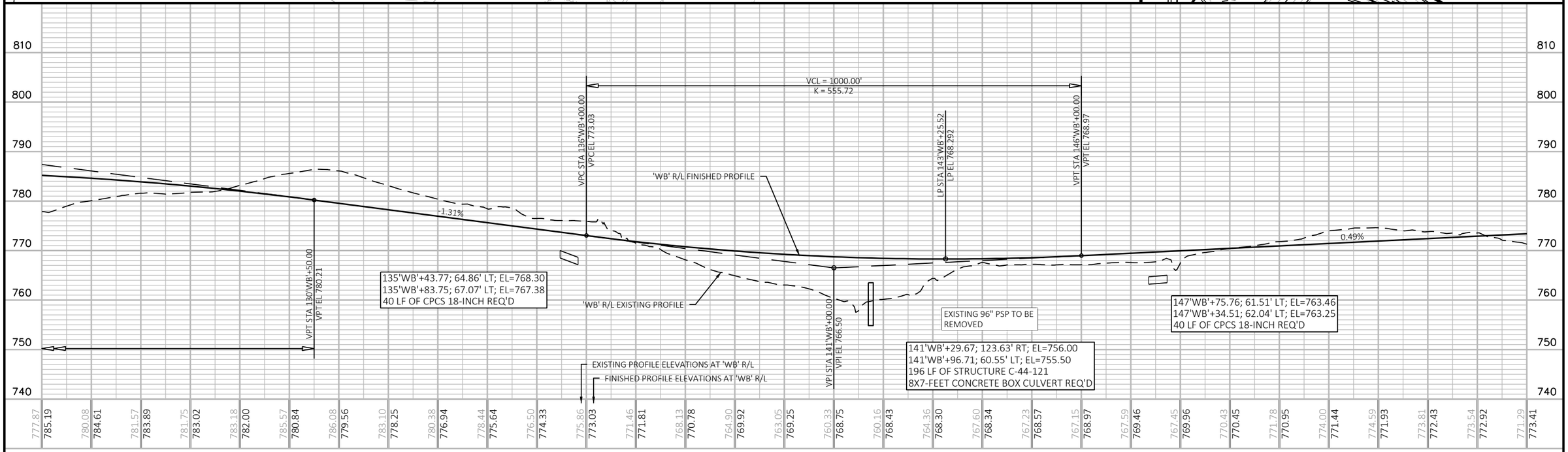
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
61	105+85.69	775.154	CHISELED SQ SE CORNER "FORD PRE-OWNED VEHICLES" SIGN BASE N OF STH 15
60	118+51.77	775.130	PAINTED SQ TOP METAL CULVERT N SIDE STH 15 E OF DRWY @ HOUSE #N3530



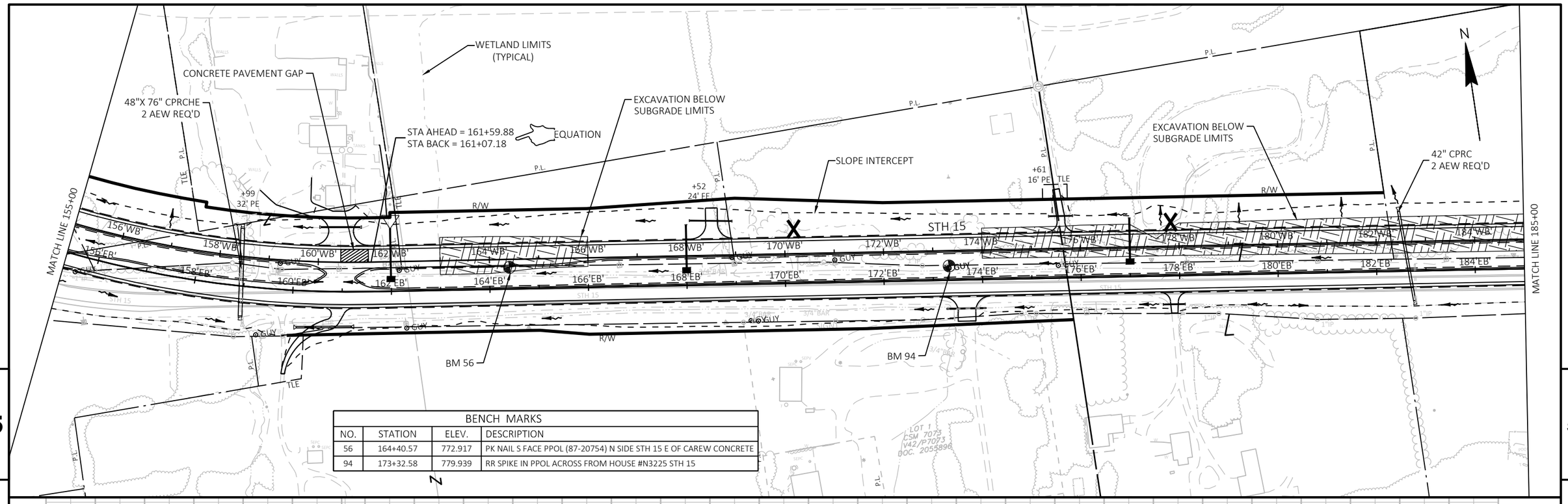
PROJECT NO:1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 15 – WB	SHEET 298	E



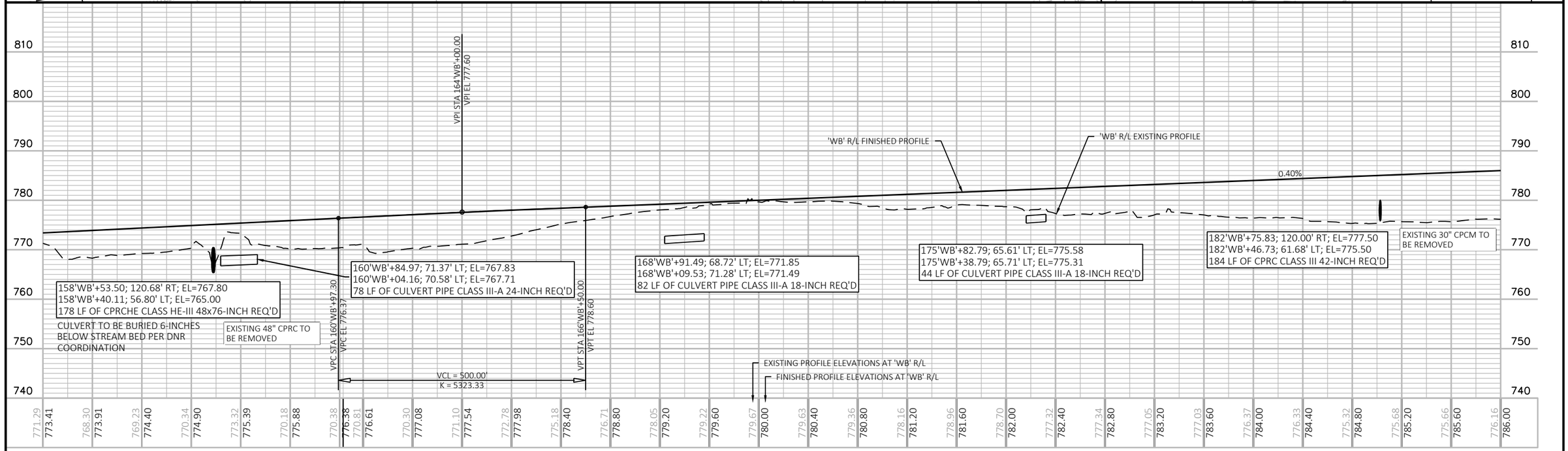
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
59	128+01.51	783.978	PK NAIL S FACE 4TH PPOL E OF RIVER RD N OF STH 15
58	141+42.46	765.160	PAINTED SQUARE TOP OF METAL CULVERT N OF STH 15
95	150+71.37	782.145	R/W 1" IRON PIPE SE QUAD CROSS RD AND LEDGE HILL RD



PROJECT NO:1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 15 – WB	SHEET 299 E

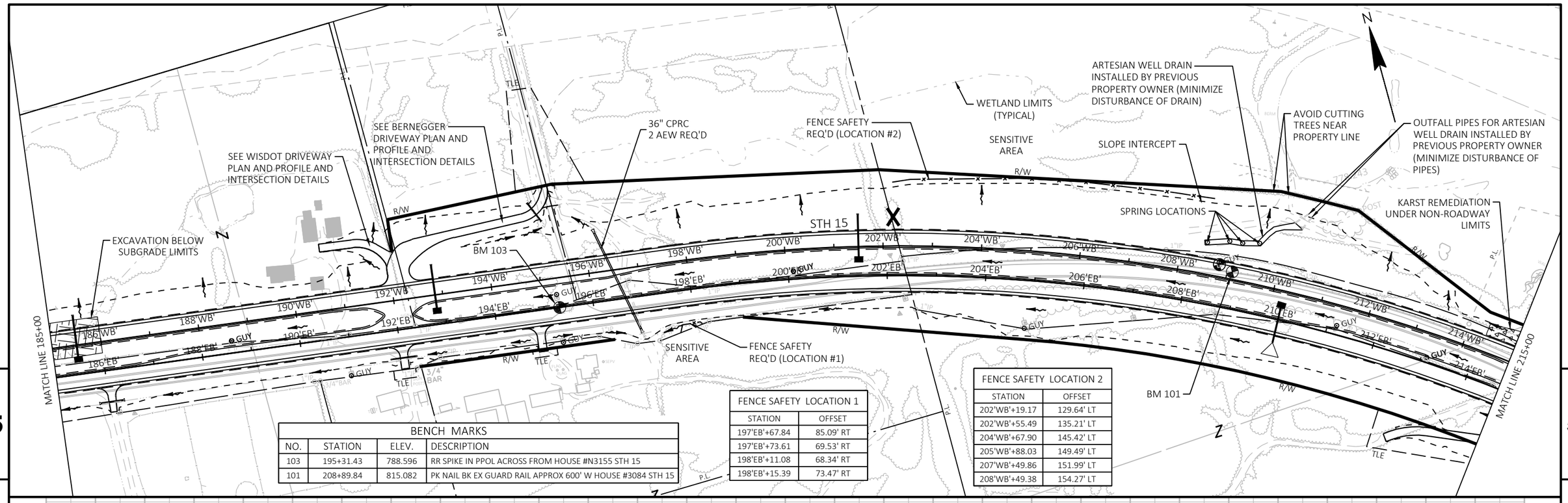


BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
56	164+40.57	772.917	PK NAIL S FACE PPOL (87-20754) N SIDE STH 15 E OF CAREW CONCRETE
94	173+32.58	779.939	RR SPIKE IN PPOL ACROSS FROM HOUSE #N3225 STH 15



PROJECT NO:1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 15 – WB	SHEET 300	E

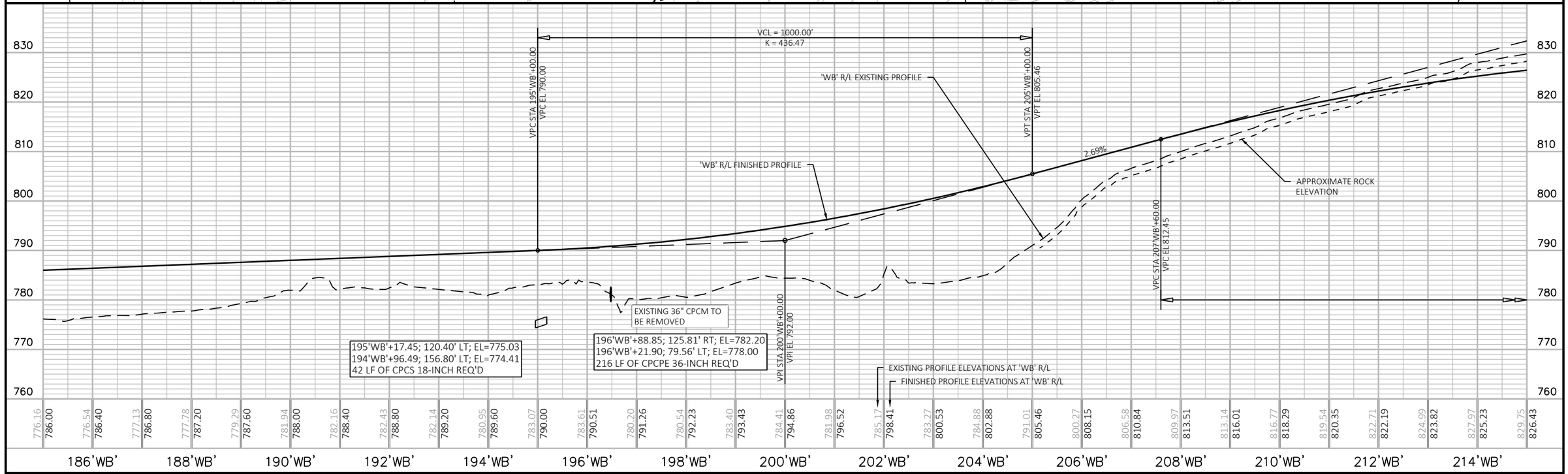
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\050107_PP(WB).DWG
LAYOUT NAME – 050109_PP(WB)
PLOT DATE : 5/16/2023 7:52 AM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : 1:200_XREF
WISDOT/CADDS SHEET 44



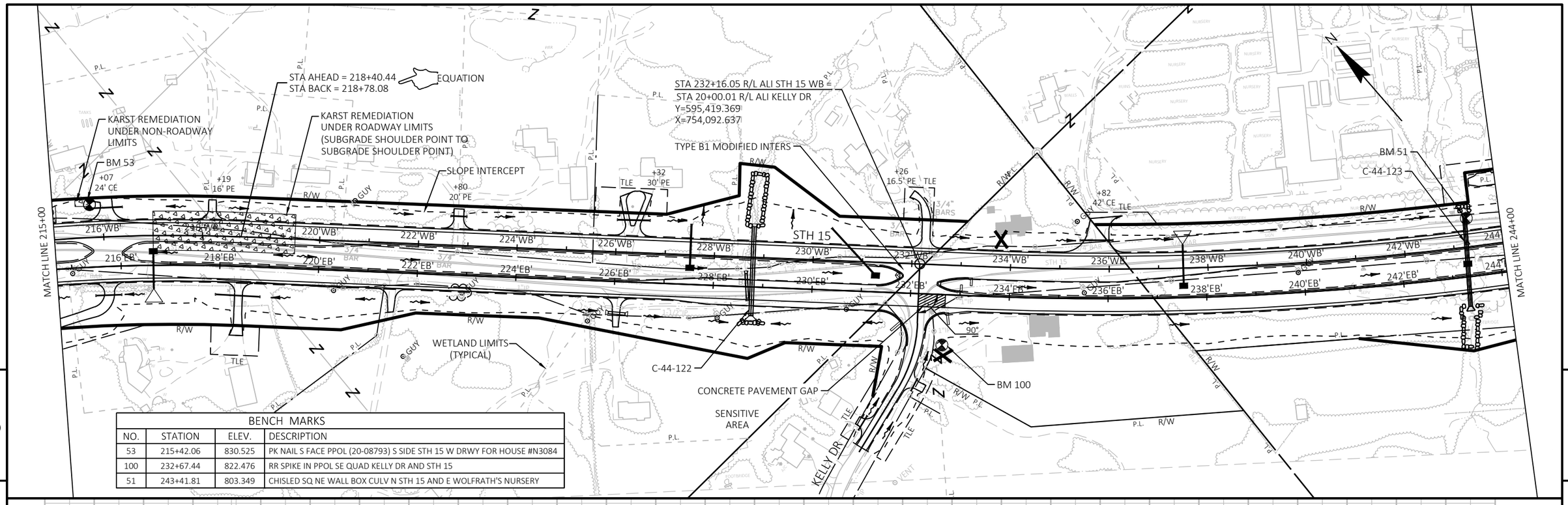
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
103	195+31.43	788.596	RR SPIKE IN PPOL ACROSS FROM HOUSE #N3155 STH 15
101	208+89.84	815.082	PK NAIL BK EX GUARD RAIL APPROX 600' W HOUSE #3084 STH 15

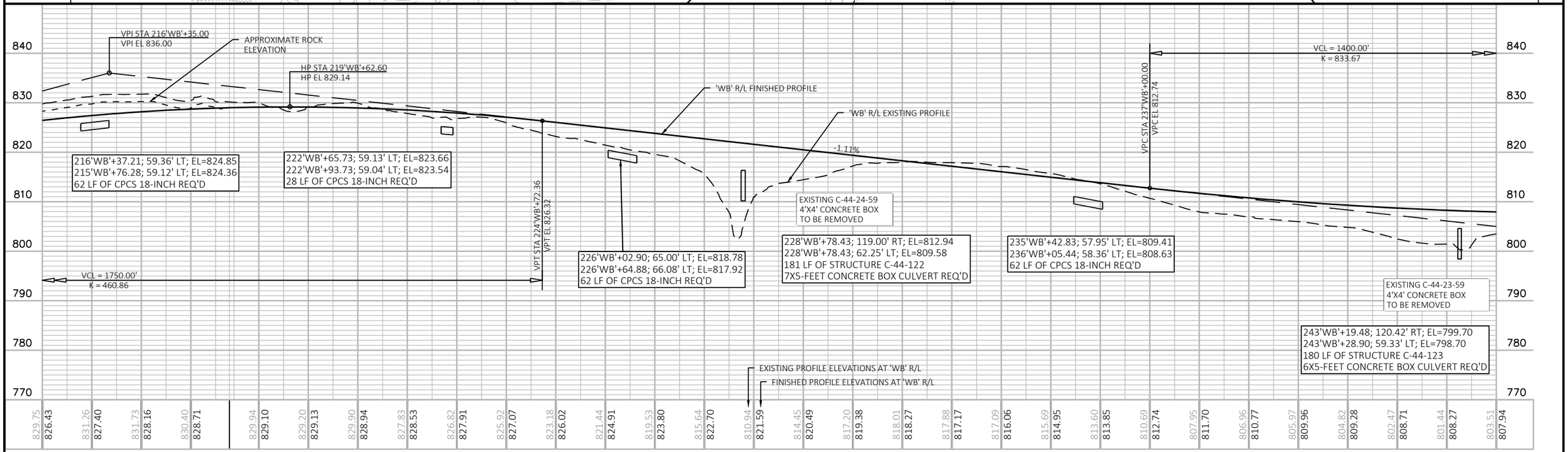
FENCE SAFETY LOCATION 1	
STATION	OFFSET
197'EB'+67.84	85.09' RT
197'EB'+73.61	69.53' RT
198'EB'+11.08	68.34' RT
198'EB'+15.39	73.47' RT

FENCE SAFETY LOCATION 2	
STATION	OFFSET
202'WB'+19.17	129.64' LT
202'WB'+55.49	135.21' LT
204'WB'+67.90	145.42' LT
205'WB'+88.03	149.49' LT
207'WB'+49.86	151.99' LT
208'WB'+49.38	154.27' LT



PROJECT NO:1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 15 – WB	SHEET 301	E





PROJECT NO:1146–75–73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 15 – WB	SHEET 302	E

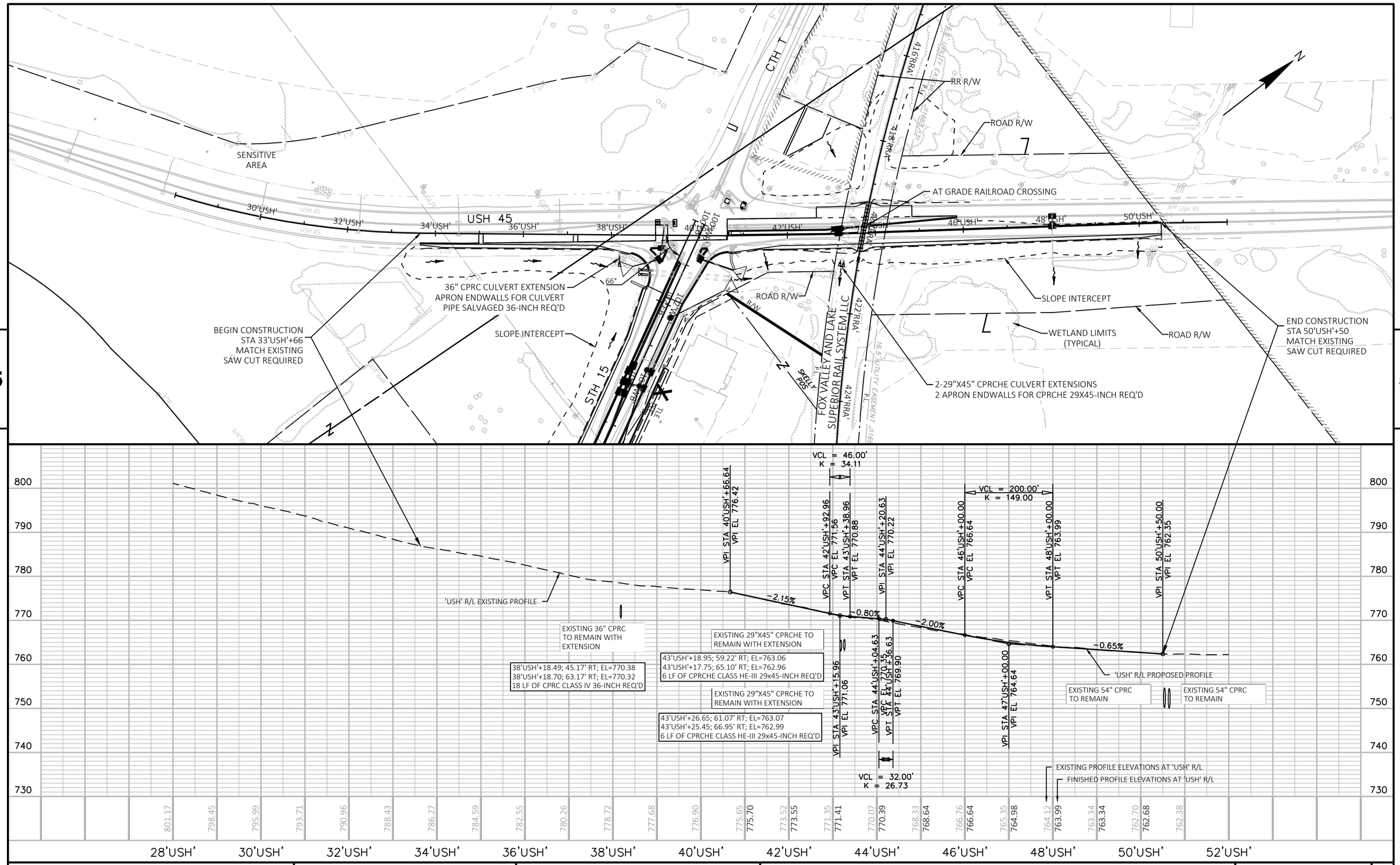
STA AHEAD = 256+92.48
STA BACK = 256+69.34
EQUATION

CONCRETE PAVEMENT GAP
SEE WOLFRATH DRIVEWAY PLAN AND PROFILE AND INTERSECTION DETAILS
SLOPE INTERCEPT
WETLAND LIMITS (TYPICAL)
FOX VALLEY AND LAKE SUPERIOR RAIL SYSTEM LLC
MATCH LINE 244+00
MATCH LINE 266+64.92
STH 15
BM 50
BM 49
CONCRETE PAVEMENT GAP
END PROJECT
STA 255+77.77
Y=594,132.473
X=756,055.118
MATCH EXISTING
SAW CUT REQUIRED

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
50	249+45.97	810.924	PK NAIL N FACE PPOL (86-21944) S SIDE STH 15 W DRWY HOUSE #N2971 STH 15
49	261+99.76	816.627	RR SPIKE N FACE PPOL (12-13322) S SIDE STH 15 S DRWY HOUSE #N2910 STH 15

VCL = 1400.00'
K = 833.67
LP STA 246'WB'+22.12
LP EL 807.643
VPT STA 251'WB'+00.00
VPT EL 809.01
VPI STA 258'WB'+00.00
VPI EL 812.89
VPI STA 266'WB'+73.90
VPI EL 817.90
'WB' R/L FINISHED PROFILE
'WB' R/L EXISTING PROFILE
0.57%
0.57%
250'WB'+65.59; 56.41' LT; EL=803.94
249'WB'+76.75; 57.12' LT; EL=803.55
88 LF OF CPCS 18-INCH REQ'D
VPI STA 244'WB'+00.00
VPI EL 805.00
EXISTING PROFILE ELEVATIONS AT 'WB' R/L
FINISHED PROFILE ELEVATIONS AT 'WB' R/L

| | | |



PROJECT NO:1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: USH 45	SHEET 304	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\050113_PP(USH).DWG
LAYOUT NAME - 050113_PP(USH)
PLOT DATE : 4/27/2023 4:25 PM PLOT BY : CAMPSHURE, MICHAEL PLOT NAME :
PLOT SCALE : 1IN = 200FT_XREF
WISDOT/CADDS SHEET 44

STA 80+00.00 R/L WOLF RIVER RUN
STA 109+21.68 R/L ALI STH 15 EB
Y=601,500.790
X=744,354.171

83'CUL'
109'WB'
109'WB'
STH 15 EB
83'CUL'
110'WB'
STH 15 WB
109'WB'
N56°23'31"E
81'CUL'
PC 81+13.15 'CUL'
82'CUL'
WOLF RIVER RUN
18" CPRC
2 AEW REQ'D
18" CPRC
2 AEW REQ'D
SLOPE INTERCEPT

WOLF RIVER RUN
PI STA = 82'CUL'+21.31
Y = 601638.299
X = 744526.463
DELTA = 70°52'27" LT
D = 37°41'41"
T = 108.17'
L = 188.02'
R = 152.00'
PC STA = 81'CUL'+13.15
Y = 601563.418
X = 744448.404
PT STA = 83'CUL'+01.17
Y = 601736.584
X = 744481.291
BK = N46°11'26"E
AH = N24°41'02"W

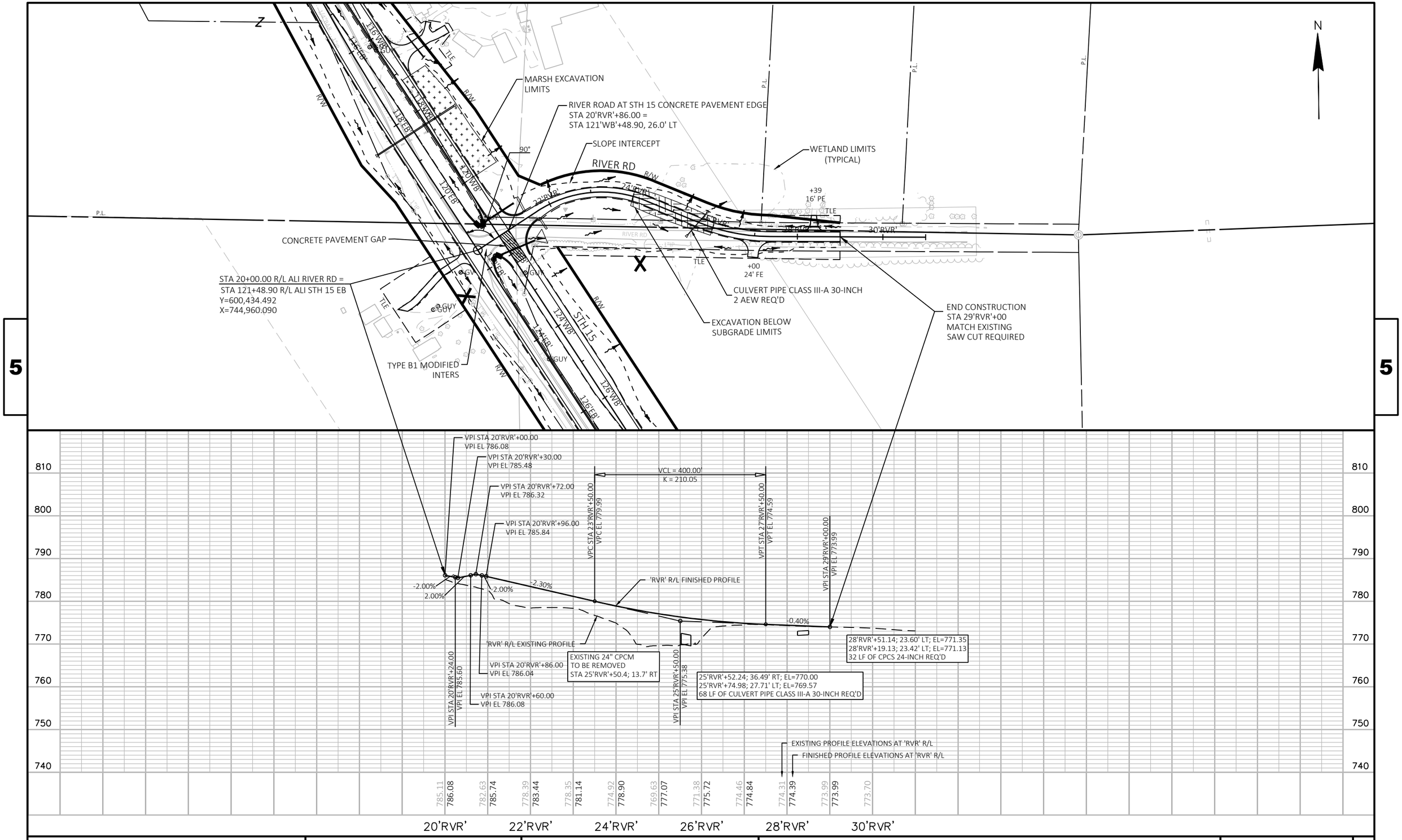
EP 83+61.17 'CUL'
PT 83+01.17 'CUL'
N24°27'49"W
83'CUL'
R60'
R/W
N

5
5

STA 80+22.13
EL 777.97
STA 80+48.28
EL 777.44
VCL = 75.00
K = 60.78
STA 83+61.17
EL 775.04
780
775
770
769
-2.02%
-1.80%
-0.56%
WOLF RIVER RUN R/L FINISHED PROFILE
WOLF RIVER RUN R/L EXISTING PROFILE
80'WB'+82.68; 44.20' RT; EL=773.70
80'WB'+91.61; 37.31' LT; EL=773.30
82 LF OF CPRC CLASS V 18-INCH REQ'D
80'WB'+78.59; 43.89' RT; EL=773.70
80'WB'+87.51; 37.62' LT; EL=773.30
82 LF OF CPRC CLASS V 18-INCH REQ'D
VPC STA 80+62.50
VPC EL 777.19
VPI STA 81+00.00
VPI EL 776.51
VPT STA 81+37.50
VPT EL 776.30
EXISTING PROFILE ELEVATIONS AT WOLF RIVER RUN R/L
FINISHED PROFILE ELEVATIONS AT WOLF RIVER RUN R/L
777.41 777.41
776.63 776.63
776.23 776.23
775.95 775.95
775.67 775.67
775.38 775.38
775.10 775.10
775.04 775.04
80
81
82
83
83

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: WOLF RIVER RUN	SHEET 305	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\050113B_PP(WRR).DWG
LAYOUT NAME - 050113b_pp (WRR)
PLOT DATE : 5/16/2023 7:23 AM
PLOT BY : CAMPSHURE, MICHAEL R
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	PLAN AND PROFILE: RIVER ROAD	SHEET 306	E

CONCRETE PAVEMENT GAP

CROSS ROAD AT STH 15 CONCRETE PAVEMENT EDGE
STA 29'CRS'+18.57=
STA 147'EB'+65.16, 26.0' RT

TYPE B1 MODIFIED INTERS

CPRC CLASS IV 24-INCH
2 AEW REQ'D

CPRCHE CLASS HE-IV 34X53-INCH
2 AEW REQ'D

CPRCHE CLASS HE-IV 34X53-INCH
2 AEW REQ'D

CROSS RD

14'CRS' 16'CRS' 18'CRS' 20'CRS' 22'CRS' 24'CRS' 26'CRS' 28'CRS' 30'CRS'

STH 15

400
784.124
MON MAGNAIL W/ WASHER

OBLITERATE OLD ROAD

SEC
4" HARRISON MONUMENT
X=746380.870
Y=597797.080

STA 30+04.68 R/L ALI CROSS RD =
STA 147+52.30 R/L ALI STH 15 WB
Y=598,295.648
X=746,442.343

SLOPE INTERCEPT

WETLAND LIMITS
(TYPICAL)

LEDGE HILL RD

BEGIN CONSTRUCTION
STA 17'CRS'+00
MATCH EXISTING
SAW CUT REQUIRED

+83
16' PE

+93
16' PE

N

5

5

VPI STA 16'CRS'+99.97
VPI EL 787.73

HP STA 18'CRS'+91.48
HP EL 788.16

VPI STA 21'CRS'+49.97
VPI EL 789.07

VPI STA 26'CRS'+51.92
VPI EL 779.11

VPI STA 29'CRS'+18.54
VPI EL 772.44

VPI STA 29'CRS'+44.54
VPI EL 771.06

'CRS' ℄ FINISHED PROFILE

'CRS' ℄ EXISTING PROFILE

0.30%

-1.99%

-2.50%

-5.30%

19'CRS'+71.31; 38.07' LT; EL=782.51
20'CRS'+35.11; 37.01' LT; EL=782.20
62 LF OF CPCS 18-INCH REQ'D

22'CRS'+70.01; 42.19' RT; EL=782.56
23'CRS'+15.31; 47.25' RT; EL=781.62
48 LF OF CPCS 18-INCH REQ'D

25'CRS'+08.32; 39.51' RT; EL=776.01
25'CRS'+08.31; 24.49' LT; EL=775.41
64 LF OF CPRCHE CLASS HE-IV 34X53-INCH REQ'D

25'CRS'+16.19; 39.75' RT; EL=775.97
25'CRS'+16.81; 24.25' LT; EL=775.27
64 LF OF CPRCHE CLASS HE-IV 34X53-INCH REQ'D

EXISTING 20"X28" CPCMPA
TO BE REMOVED
STA 26'CRS'+20.94; 276.24' RT

28'CRS'+77.26; 31.75' RT; EL=768.58
28'CRS'+80.28; 48.20' LT; EL=768.37
80 LF OF CPRC CLASS IV 24-INCH REQ'D

EXISTING 24" CPCM
TO BE REMOVED
STA 28'CRS'+04.42;447.41 RT

VPC STA 17'CRS'+99.97
VPC EL 788.03

VPT STA 24'CRS'+99.97
VPT EL 782.12

VPC STA 26'CRS'+01.92
VPC EL 780.10

VPT STA 27'CRS'+01.92
VPT EL 777.86

VCL = 700.00'
K = 306.52

VCL = 100.00'
K = 194.24

FINISHED PROFILE ELEVATIONS AT 'CRS' ℄
EXISTING PROFILE ELEVATIONS AT 'CRS' ℄

| | | |

LEDGE HILL RD

CROSS RD

STH 15

BEGIN CONSTRUCTION
STA 42'LED'+00
MATCH EXISTING
SAW CUT REQUIRED

SEE WAYNE BYRUM DRIVEWAY
PLAN AND PROFILE

SEC
4" HARRISON MONUMENT
X=746380.870
Y=597797.080

OBLITERATE OLD ROAD

TYPE B2 MODIFIED INTERS

WETLAND LIMITS
(TYPICAL)

SLOPE INTERCEPT

CONCRETE PAVEMENT GAP

STA 50+00.00 R/L ALI LEDGE HILL RD =
STA 25+81.01 R/L ALI CROSS RD
Y=598,001.030
X=746,138.034

VPI STA 42'LED'+00.00
VPI EL 797.40

VPC STA 42'LED'+76.42
VPC EL 795.14

VCL = 400.00'
K = 222.81

VPT STA 46'LED'+76.42
VPT EL 786.89

VPI STA 48'LED'+35.98
VPI EL 785.03

VPI STA 49'LED'+88.07
VPI EL 781.23

VPI STA 50'LED'+00.07
VPI EL 780.51

-2.96%

-1.16%

-2.50%

-6.00%

'LED' ℄ FINISHED PROFILE

'LED' ℄ EXISTING PROFILE

42'LED'+81.59; 33.70' RT; EL=791.00
43'LED'+19.56; 35.15' RT; EL=790.56
38 LF OF CPCS 15-INCH REQ'D

46'LED'+65.04; 39.86' RT; EL=781.57
47'LED'+38.59; 39.64' RT; EL=780.94
78 LF OF CPCS 18-INCH REQ'D

46'LED'+93.53; 167.13' RT; EL=779.97
46'LED'+78.72; 208.97' RT; EL=779.74
46 LF OF CPCS 18-INCH REQ'D

VPI STA 44'LED'+76.42
VPI EL 789.22

VPC STA 47'LED'+35.98
VPC EL 786.20

VPT STA 49'LED'+35.98
VPT EL 782.53

EXISTING PROFILE ELEVATIONS AT 'LED' ℄
FINISHED PROFILE ELEVATIONS AT 'LED' ℄

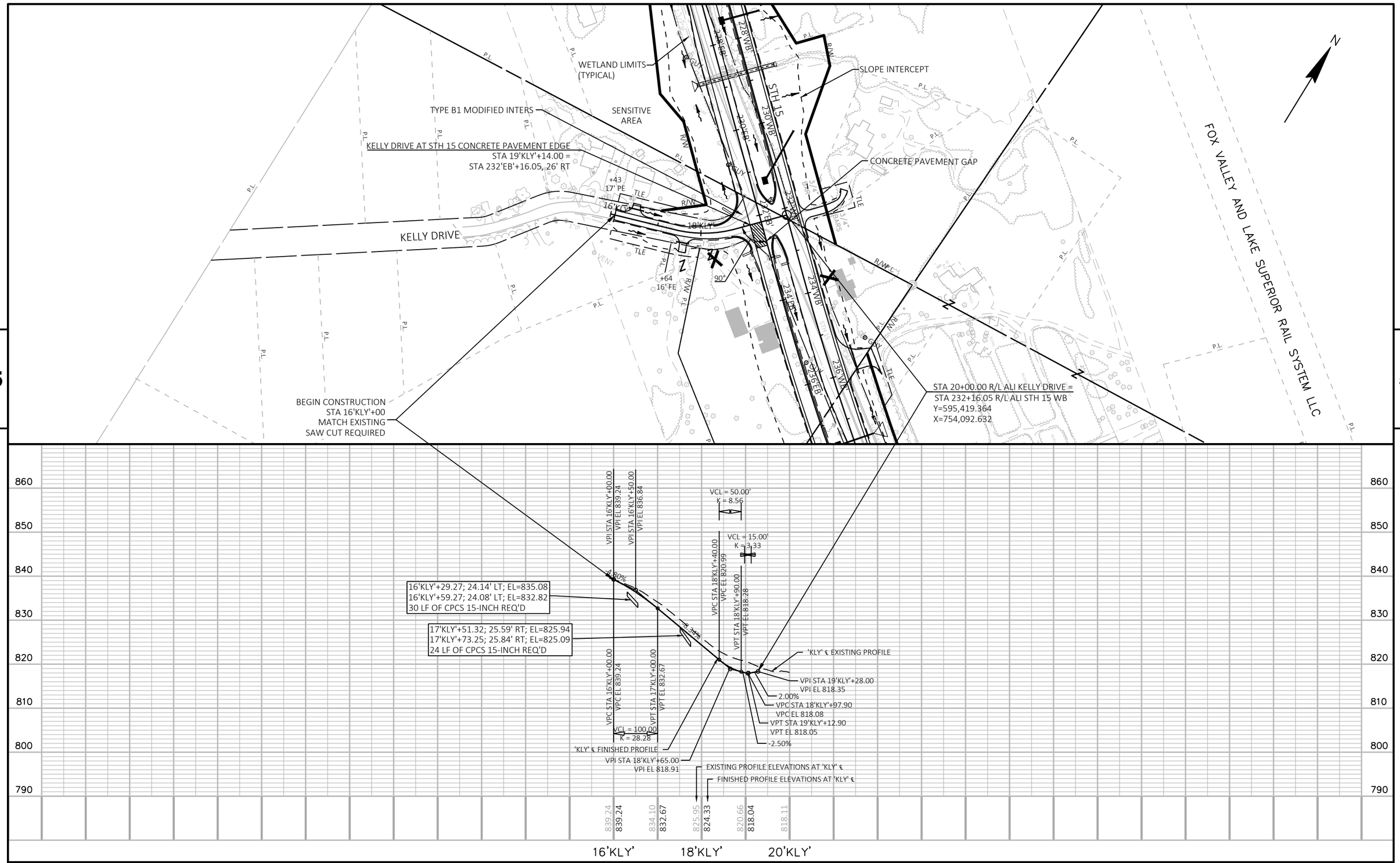
VCL = 200.00'
K = 149.70

40'LED'	42'LED'	44'LED'	46'LED'	48'LED'	50'LED'
803.77	800.39	797.40 / 797.40	794.38 / 794.45	791.48 / 791.82	788.54 / 789.64
784.49 / 787.91	782.98 / 786.62	779.84 / 785.31	777.74 / 783.39	778.82 / 780.51	

PROJECT NO:1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: LEDGE HILL ROAD	SHEET 308	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\050116_PP(LED).DWG
LAYOUT NAME – 050116_PP(LED)

PLOT DATE : 4/27/2023 4:27 PM PLOT BY : CAMPSHURE, MICHAEL PLOT NAME : PLOT SCALE : 1 IN: 200 FT_XREF



PROJECT NO:1146-75-73	HWY:STH 15	COUNTY:OUTAGAMIE	PLAN AND PROFILE: KELLY DRIVE	SHEET 309	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\050117_PP(KLY).DWG
LAYOUT NAME - 050117_PP(KLY)

PLOT DATE : 4/27/2023 4:28 PM PLOT BY : CAMPSHURE, MICHAEL PLOT NAME : PLOT SCALE : 1 IN: 200 FT_XREF

WISDOT/CADDS SHEET 44

CURVE 0M-1
PI STA = 11'OM'+19.67
Y = 600936.943
X = 744854.278
DELTA = 16°06'00" RT
D = 57°17'45"
T = 14.14'
L = 28.10'
R = 100.00'
PC STA = 11'OM'+05.53
Y = 600929.370
X = 744842.333
PT STA = 11'OM'+33.63
Y = 600940.907
X = 744867.854
BK = N57°37'32"E
AH = N73°43'32"E

CURVE OM-2
PI STA = 11'OM'+49.70
Y = 600945.409
X = 744883.278
DELTA = 15°48'47" LT
D = 57°17'45"
T = 13.89'
L = 27.60'
R = 100.00'
PC STA = 11'OM'+35.81
Y = 600941.518
X = 744869.947
PT STA = 11'OM'+63.41
Y = 600952.787
X = 744895.045
BK = N73°43'32"E
AH = N57°54'46"E

START OF ALIGNMENT 'OM':
STA 10'OM'+00.00 =
STA 116'WB'+67.89
Y=600,872.865
X=744,753.207

START OF DRIVEWAY:
STA 10'OM'+34.00
=STA 116'WB'+67.89, 34.0' LT

PC: 11'OM'+05.53
'OL' LINE
N73° 43' 32"E
2.18'
CURVE OM-2
EP: 11'OM'+63.60
N57° 37' 32"E
97.07'
PT: 11'OM'+63.41
CURVE OM-1
PC: 11'OM'+35.81
PT: 11'OM'+33.63
24°
TLE
R/W
P.L.
116'EB'
116'WB'
118'EB'
118'WB'

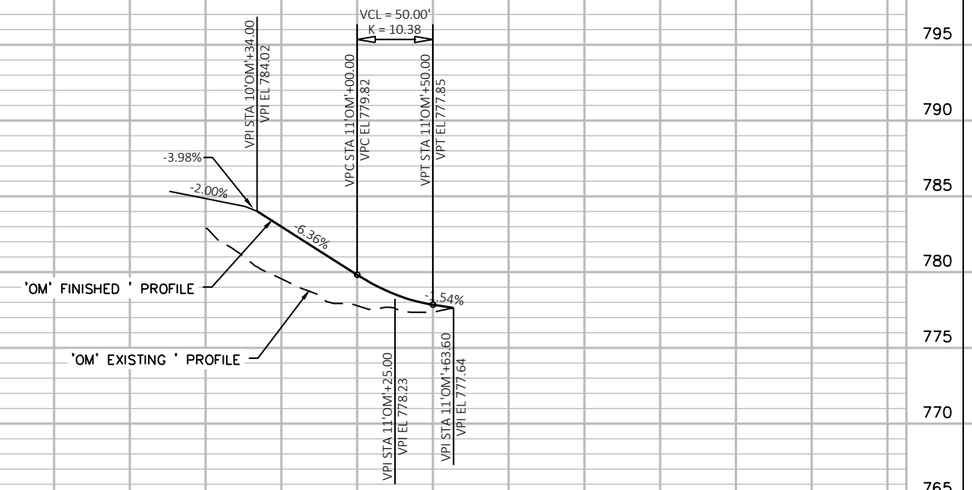
START OF ALIGNMENT 'OL'
STA 10'OL"+87.50 =
STA 116'WB'+67.89, 97.1' LT

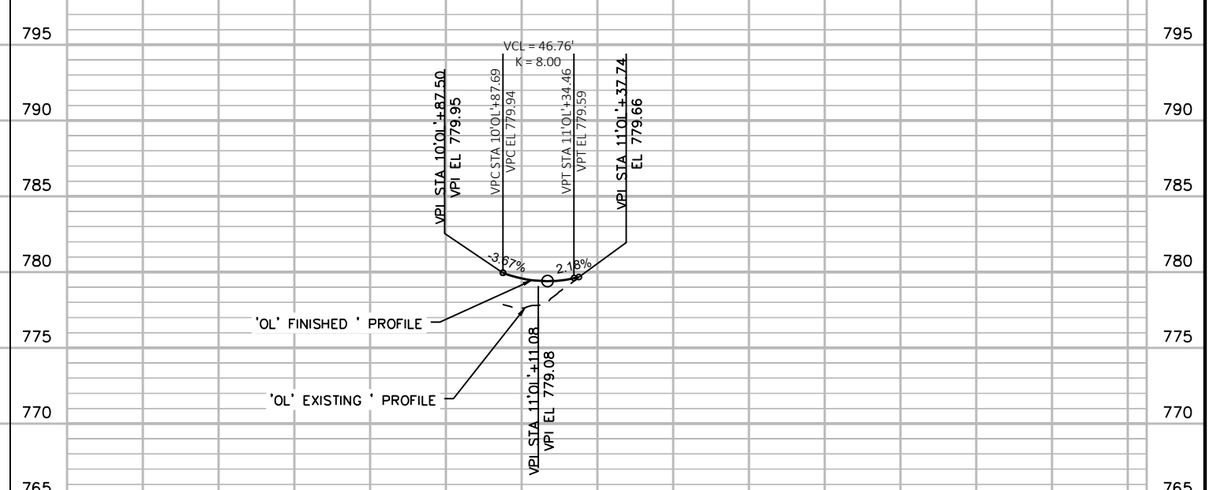
PT: 11'OL'+03.04
CURVE OL-4
CURVE OL-5
EP: 11'OL'+37.74
PT: 11'OL'+30.01
PC: 11'OL'+25.83
PT: 11'OL'+15.58
PC: 11'OL'+06.10
CURVE OL-3
PC: 10'OL'+88.45
TLE
116'EB'
116'WB'
118'EB'
118'WB'
120'EB'
R/W
P.L.

CURVE OL-3
PI STA = 10'OL'+95.96
Y = 600929.370
X = 744842.333
DELTA = 33°26'40" LT
D = 229°10'59"
T = 7.51'
L = 14.59'
R = 25.00'
PC STA = 10'OL'+88.45
Y = 600925.349
X = 744835.990
PT STA = 11'OL'+03.04
Y = 600936.222
X = 744845.410
BK = N57°37'32"E
AH = N24°10'52"E

CURVE OL-4
PI STA = 11'OL'+10.90
Y = 600943.392
X = 744848.629
DELTA = 21°43'48" LT
D = 229°10'59"
T = 4.80'
L = 9.48'
R = 25.00'
PC STA = 11'OL'+06.10
Y = 600939.014
X = 744846.663
PT STA = 11'OL'+15.58
Y = 600948.186
X = 744848.834
BK = N24°10'52"E
AH = N02°27'04"E

CURVE OL-5
PI STA = 11'OL'+27.93
Y = 600960.521
X = 744849.362
DELTA = 11°58'23" RT
D = 286°28'44"
T = 2.10'
L = 4.18'
R = 20.00'
PC STA = 11'OL'+25.83
Y = 600958.426
X = 744849.273
PT STA = 11'OL'+30.01
Y = 600962.552
X = 744849.885
BK = N02°27'04"E
AH = N14°25'28"E



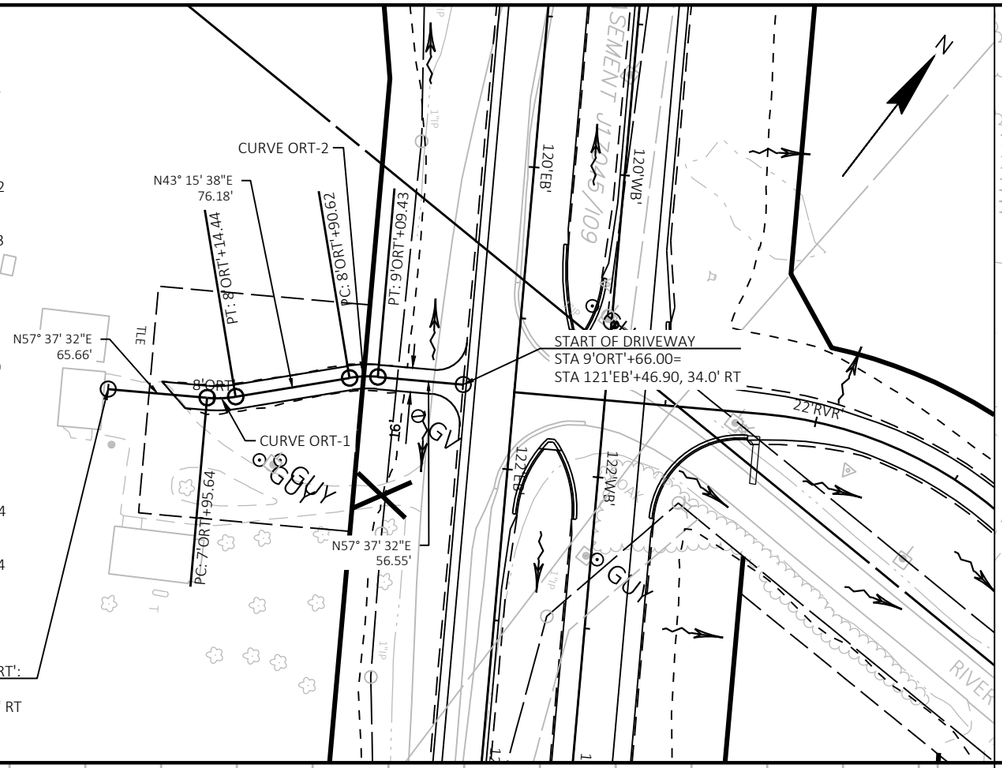


PROJECT NO:1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: OBERSTADT DRIVEWAY	SHEET 310	E

CURVE ORT-2
PI STA = 9'ORT'+00.07
Y = 600382.636
X = 744874.562
DELTA = 14°21'54" RT
D = 76°23'40"
T = 9.45'
L = 18.80'
R = 75.00'
PC STA = 8'ORT'+90.62
Y = 600375.753
X = 744868.085
PT STA = 9'ORT'+09.43
Y = 600387.697
X = 744882.545
BK = N43°15'38"E
AH = N57°37'32"E

CURVE ORT-1
PI STA = 8'ORT'+05.09
Y = 600313.392
X = 744809.400
DELTA = 14°21'59" LT
D = 76°23'40"
T = 9.45'
L = 18.81'
R = 75.00'
PC STA = 7'ORT'+95.64
Y = 600308.331
X = 744801.417
PT STA = 8'ORT'+14.44
Y = 600320.276
X = 744815.878
BK = N57°37'37"E
AH = N43°15'38"E

START OF ALIGNMENT 'ORT':
STA 7'ORT'+30.00=
STA 121'EB'+70.49, 267.2' RT
Y= 600,273.172
X= 744,745.960

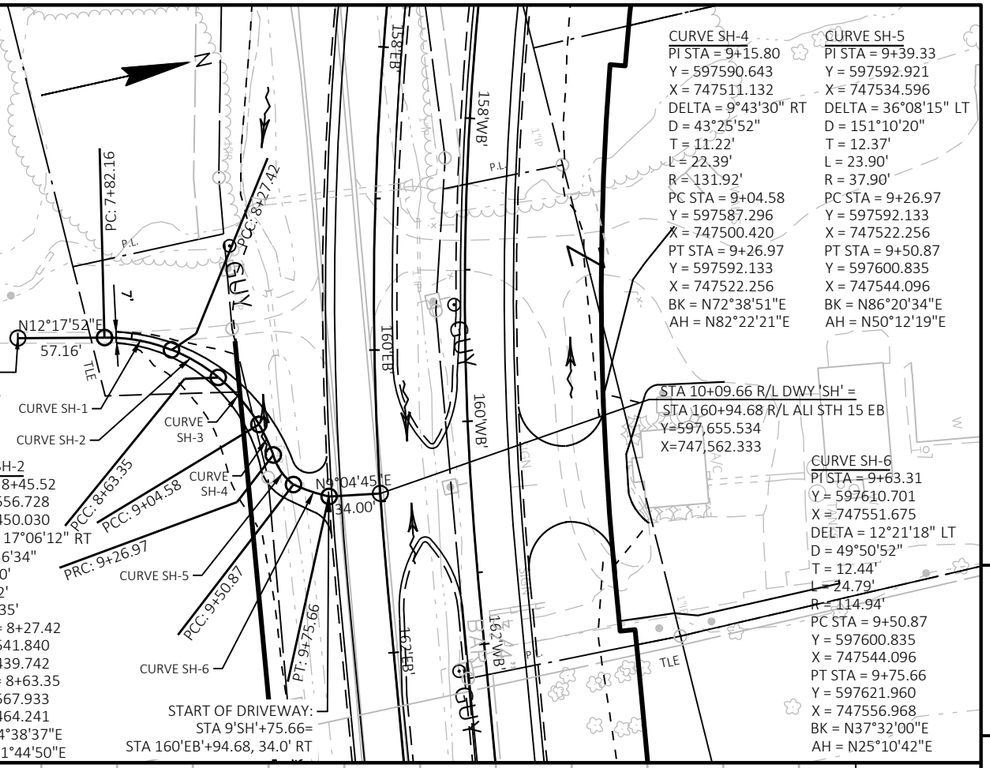


CURVE SH-3
PI STA = 8+84.16
Y = 597580.680
X = 747480.690
DELTA = 19°14'09" RT
D = 46°39'24"
T = 20.81'
L = 41.23'
R = 122.80'
PC STA = 8+63.35
Y = 597567.933
X = 747464.241
PT STA = 9+04.58
Y = 597587.296
X = 747500.420
BK = N52°13'35"E
AH = N71°27'44"E

START OF ALIGNMENT 'SH':
STA 7'ORT'+25.00=
STA 159'EB'+89.24, 235.24' RT
Y= 597,444.644
X= 747,409.950

CURVE SH-1
PI STA = 8+05.12
Y = 597523.004
X = 747426.617
DELTA = 23°35'12" RT
D = 52°06'27"
T = 22.96'
L = 45.27'
R = 109.96'
PC STA = 7+82.16
Y = 597500.490
X = 747422.124
PT STA = 8+27.42
Y = 597541.840
X = 747439.742
BK = N11°17'03"E
AH = N34°52'15"E

CURVE SH-2
PI STA = 8+45.52
Y = 597556.728
X = 747450.030
DELTA = 17°06'12" RT
D = 47°36'34"
T = 18.10'
L = 35.92'
R = 120.35'
PC STA = 8+27.42
Y = 597541.840
X = 747439.742
PT STA = 8+63.35
Y = 597567.933
X = 747464.241
BK = N34°38'37"E
AH = N51°44'50"E

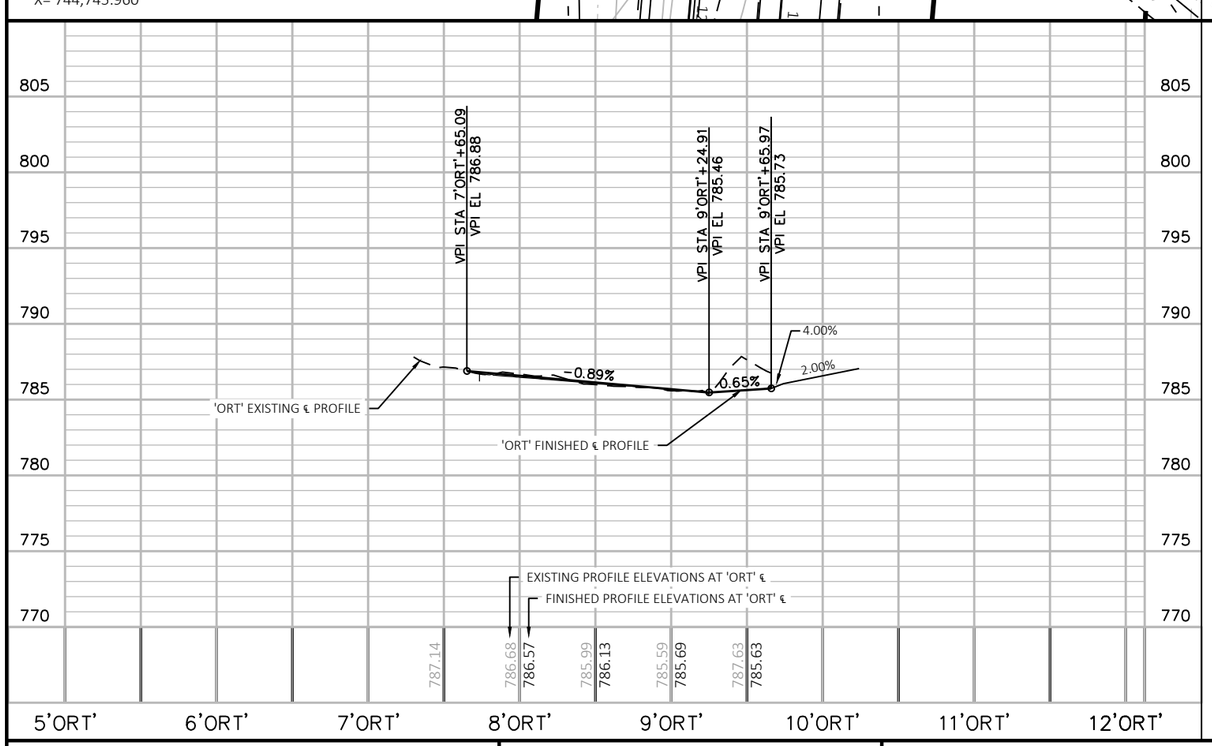


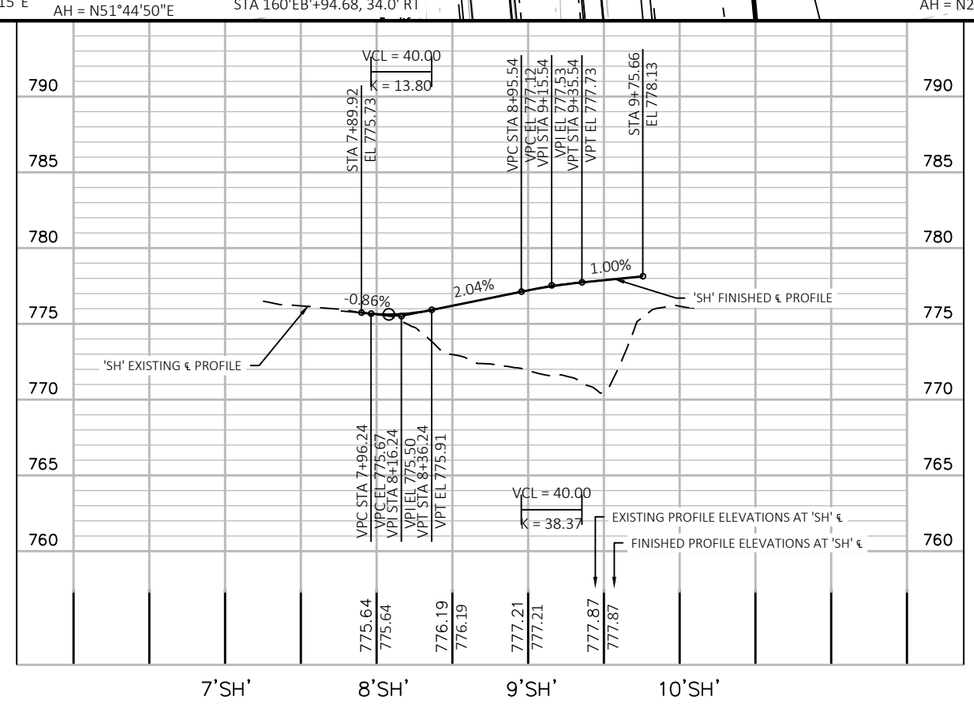
CURVE SH-4
PI STA = 9+15.80
Y = 597590.643
X = 747511.132
DELTA = 9°43'30" RT
D = 43°25'52"
T = 11.22'
L = 22.39'
R = 131.92'
PC STA = 9+04.58
Y = 597587.296
X = 747500.420
PT STA = 9+26.97
Y = 597592.133
X = 747522.256
BK = N72°38'51"E
AH = N82°22'21"E

CURVE SH-5
PI STA = 9+39.33
Y = 597592.921
X = 747534.596
DELTA = 36°08'15" LT
D = 151°10'20"
T = 12.37'
L = 23.90'
R = 37.90'
PC STA = 9+26.97
Y = 597592.133
X = 747522.256
PT STA = 9+50.87
Y = 597600.835
X = 747544.096
BK = N86°20'34"E
AH = N50°12'19"E

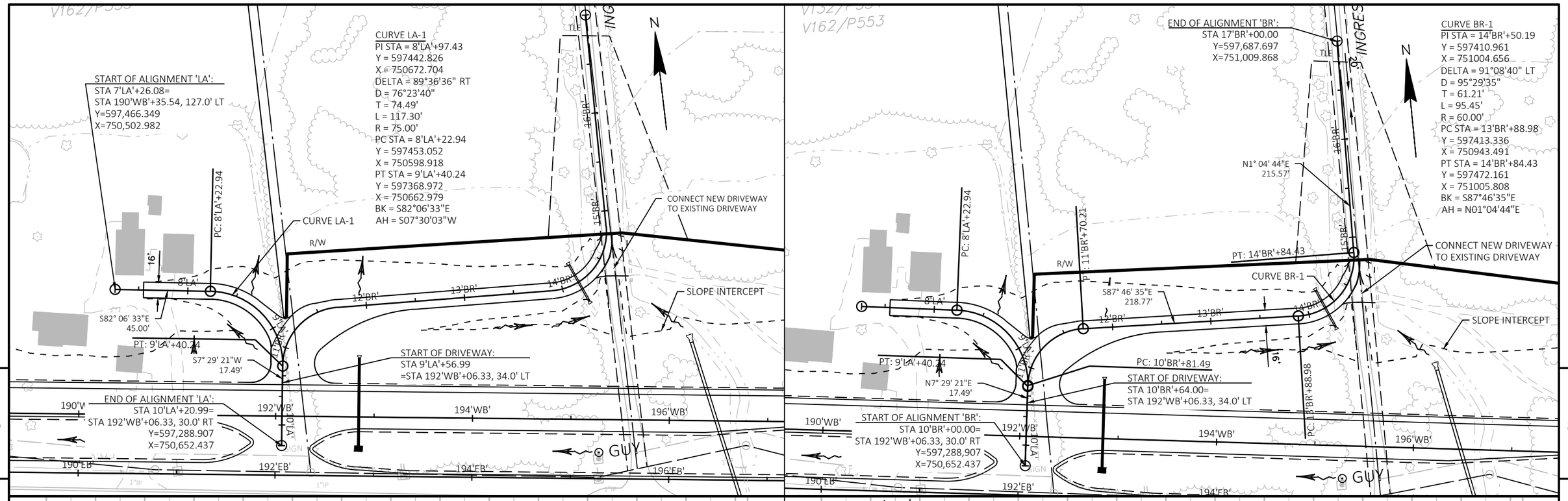
STA 10+09.66 R/L DWY 'SH' =
STA 160+94.68 R/L ALI STH 15 EB
Y=597,655.534
X=747,562.333

CURVE SH-6
PI STA = 9+63.31
Y = 597610.701
X = 747551.675
DELTA = 12°21'18" LT
D = 49°50'52"
T = 12.44'
L = 24.79'
R = 114.94'
PC STA = 9+50.87
Y = 597600.835
X = 747544.096
PT STA = 9+75.66
Y = 597621.960
X = 747556.968
BK = N37°32'00"E
AH = N25°10'42"E

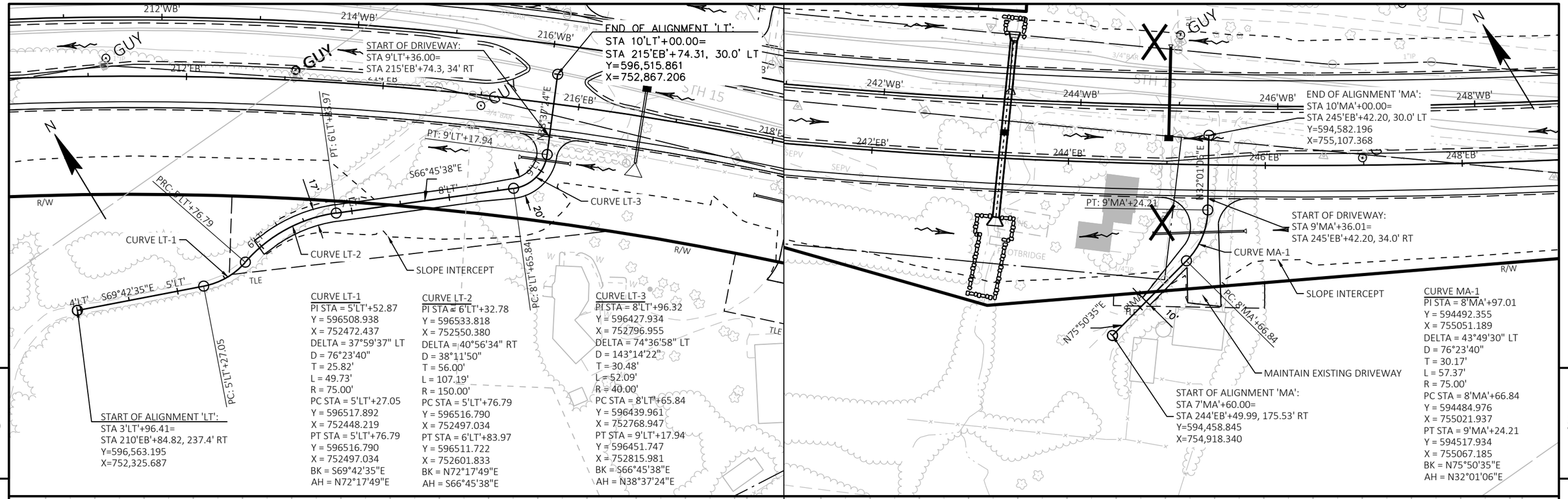




PROJECT NO:1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: ORT & SULLIVAN HOMESTEAD DRIVEWAY	SHEET 311 E



PROJECT NO:1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: WISDOT AND BERNEGGER DRIVEWAYS	SHEET 312	E



PROJECT NO:1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: LATHROP AND MARTIN DRIVEWAYS	SHEET 313 E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\050123_PP(DWY).DWG
LAYOUT NAME - 050123_PP(DWY)

PLOT DATE : 4/27/2023 4:30 PM PLOT BY : CAMPSHURE, MICHAEL PLOT NAME :

PLOT SCALE : 1 IN : 100 FT_XREF

WISDOT/CADDS SHEET 44

START OF ALIGNMENT 'WO':
STA 1'WO'+93.15
=STA 243'WB'+35.11, 131.0' LT
Y=594,822.628
X=755,032.401

CURVE WO-1
PI STA = 4'WO'+95.17
Y = 594654.248
X = 755283.133
DELTA = 5°53'30" LT
D = 0°58'34"
T = 302.02'
L = 603.51'
R = 5869.00'
PC STA = 1'WO'+93.15
Y = 594822.628
X = 755032.401
PT STA = 7'WO'+96.66
Y = 594512.494
X = 755549.824
BK = S56°06'59"E
AH = S62°00'29"E

CURVE WO-2
PI STA = 8'WO'+70.72
Y = 594477.735
X = 755615.219
DELTA = 89°16'37" RT
D = 76°23'40"
T = 74.06'
L = 116.86'
R = 75.00'
PC STA = 7'WO'+96.66
Y = 594512.494
X = 755549.824
PT STA = 9'WO'+13.53
Y = 594411.906
X = 755581.288
BK = S62°00'29"E
AH = S27°16'08"W

ASPHALTIC SURFACE DRIVEWAY LIMITS:
STA 7'WO'+66.70

START OF DRIVEWAY:
STA 9'WO'+36.00
=STA 250'WB'+27.80, 34.0' LT
(START OF ASPHALTIC SURFACE DRIVEWAY)

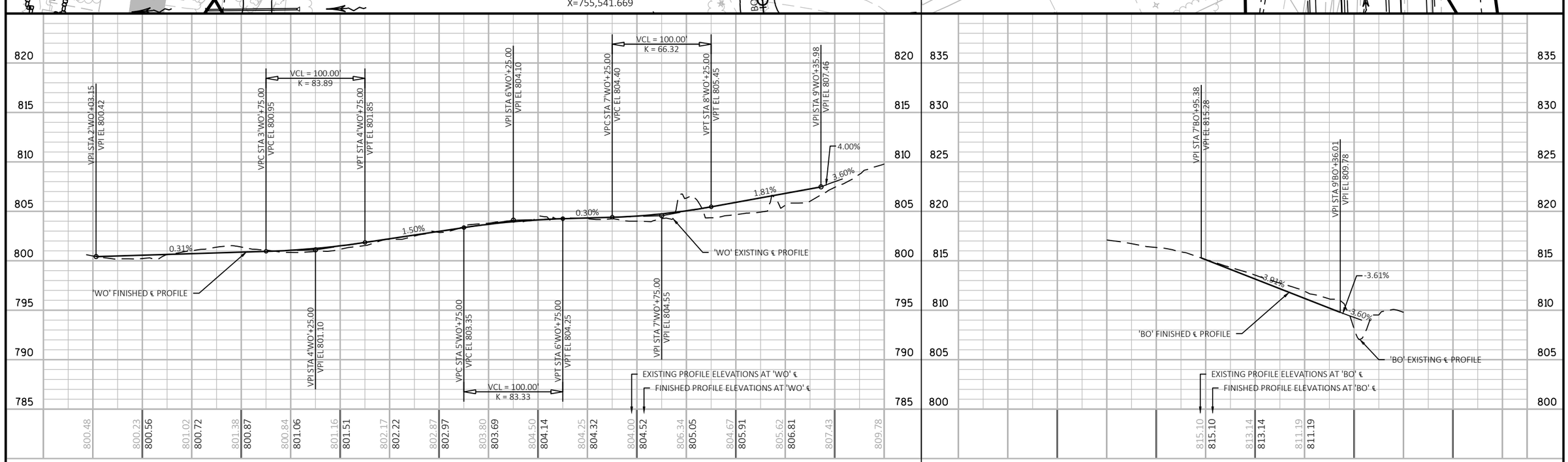
END OF ALIGNMENT 'WO':
STA 10'WO'+00.00=
STA 250'WB'+27.80, 30.0' RT
Y=594,335.044
X=755,541.669

CURVE B0-1
PI STA = 8'BO'+64.43
Y = 594213.289
X = 755478.911
DELTA = 24°58'08" RT
D = 28°38'52"
T = 44.28'
L = 87.16'
R = 200.00'
PC STA = 8'BO'+20.15
Y = 594169.042
X = 755477.134
PT STA = 9'BO'+07.31
Y = 594252.650
X = 755499.199
BK = N02°17'59"E
AH = N27°16'08"E

START OF DRIVEWAY:
STA 9'BO'+36.01
=STA 250'EB'+44.53, 34.0' RT

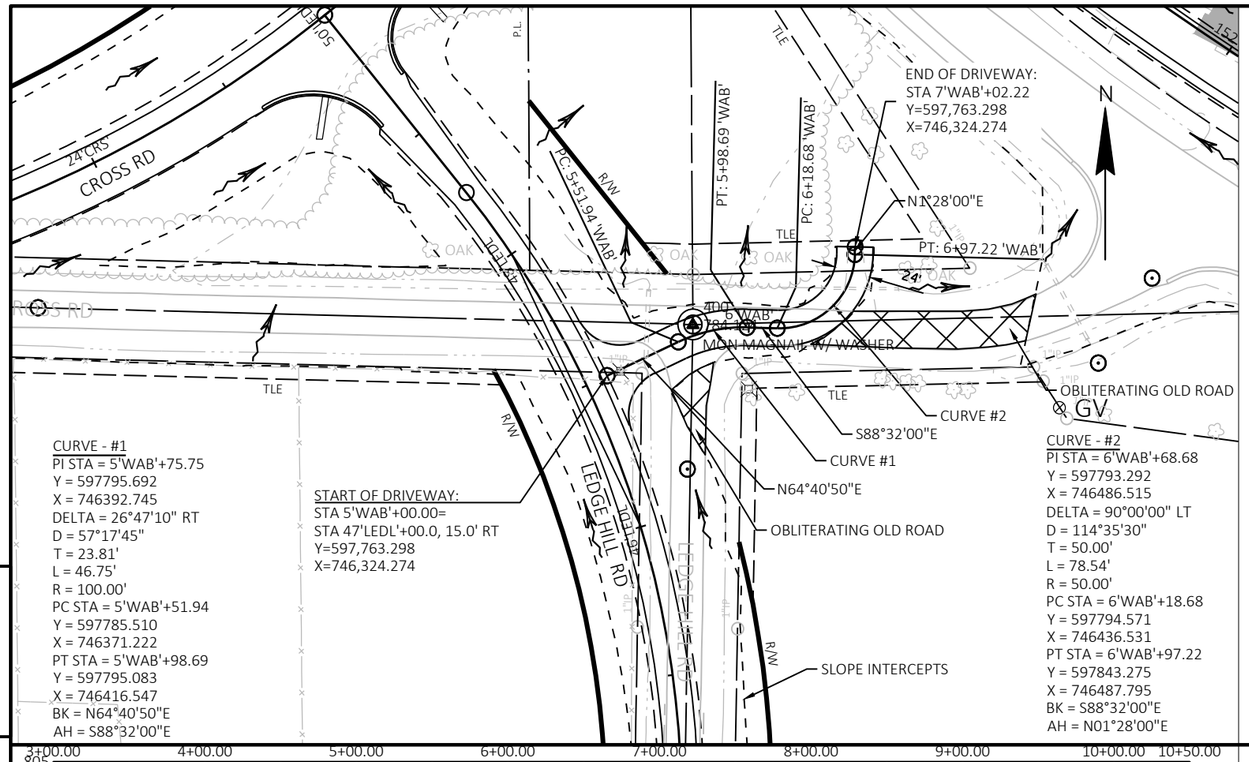
END OF ALIGNMENT 'BO':
STA 10'BO'+00.00=
STA 250'EB'+44.53, 30.0' LT
Y=594,335.043
X=755,541.669

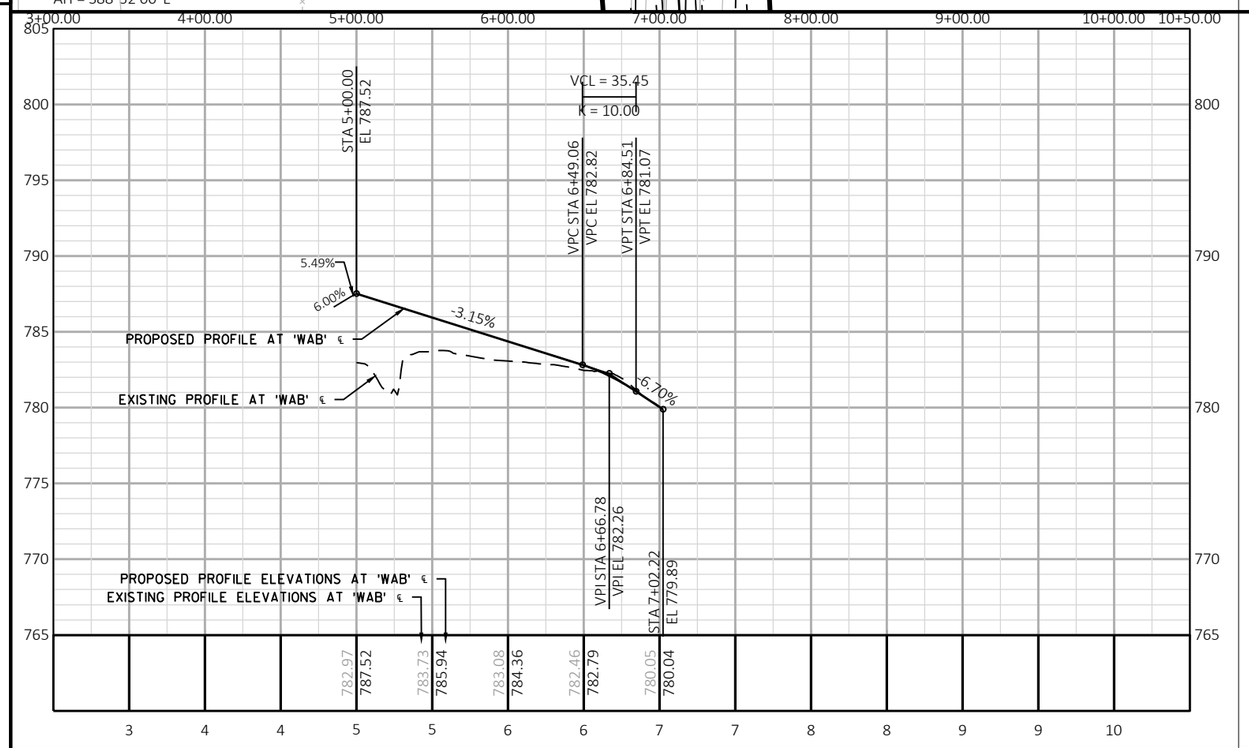
END OF ALIGNMENT 'BO':
STA 7'BO'+00.00
=STA 251'EB'+11.13, 256.4' RT
Y=594,048.992
X=755,472.312



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: WOLFRATH AND BLACK OTTER DRIVEWAYS	SHEET 314	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\050124_PP(DWY).DWG
LAYOUT NAME - 050124_PP(DWY)
PLOT DATE : 5/16/2023 7:08 AM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME :
PLOT SCALE : 1:100_XREF
WISDOT/CADDS SHEET 44





PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PLAN AND PROFILE: WAYNE BYRUM DRIVEWAY	SHEET 315	E

Standard Detail Drawing List

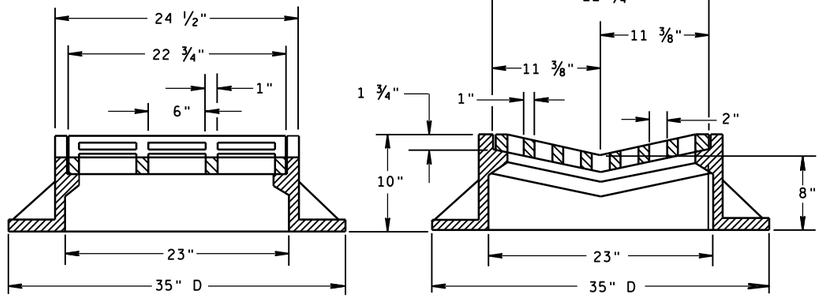
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08B09-03	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-06	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
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
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS
09A01-14A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09B02-10	CONDUIT
09B04-12	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C11-10	CONCRETE BASE TYPE 10
09C12-09A	CONCRETE BASE TYPE 13
09C12-09B	CONCRETE BASE TYPE 13
09C13-03	CONCRETE BASE TYPE 10 & TYPE 13 EXTENSION
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09E01-15C	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E12-01B	OVER HEIGHT TYPE 10 POLE 15'-30' MONOTUBE ARM
09E12-01D	OVER HEIGHT TYPE 13 POLE 35'-55' MONOTBE ARM
09E12-01E	GENERAL NOTES AND HARDWARE DETAILS FOR OVER HEIGHT TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS
09F08-04	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)
09F09-05	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C11-14A	RURAL DOWELED CONCRETE PAVEMENT
13C11-14B	RURAL DOWELED CONCRETE PAVEMENT
13C13-11	URBAN DOWELED CONCRETE PAVEMENT
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C19-03	HMA LONGITUDINAL JOINTS
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS

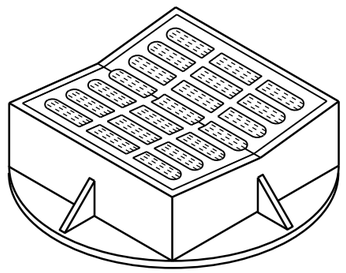
6

Standard Detail Drawing List

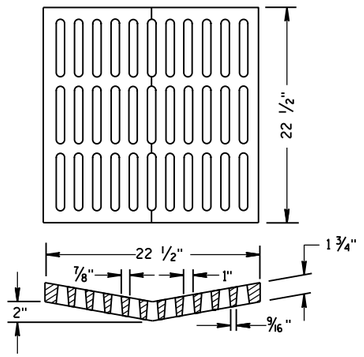
15C07-15D	ROUNDABOUT ARROWS
15C08-22B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-22D	PAVEMENT MARKING (TURN LANES)
15C09-12A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-10A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C35-05A	PAVEMENT MARKING (INTERSECTIONS)
15D12-10A	TRAFFIC CONTROL, LANE CLOSURE
15D20-06A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D40-04A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D40-04B	TRAFFIC CONTROL, FULL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
15D40-04C	TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D40-04D	TRAFFIC CONTROL, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
15D45-03	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
15D50-02A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT
15D50-02B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

6



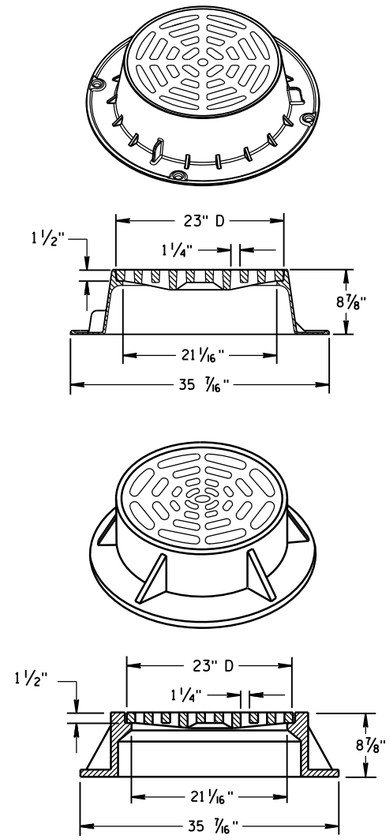


TYPE "B"



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"

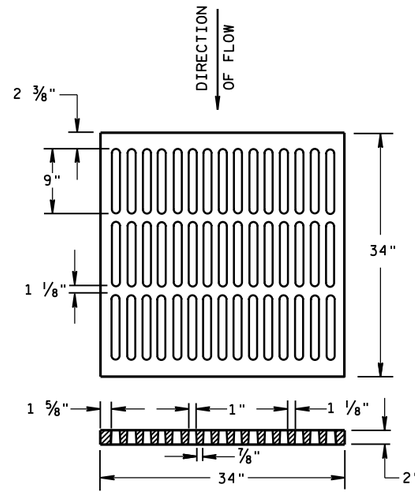
NOTE: EITHER CASTING IS ACCEPTABLE

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.

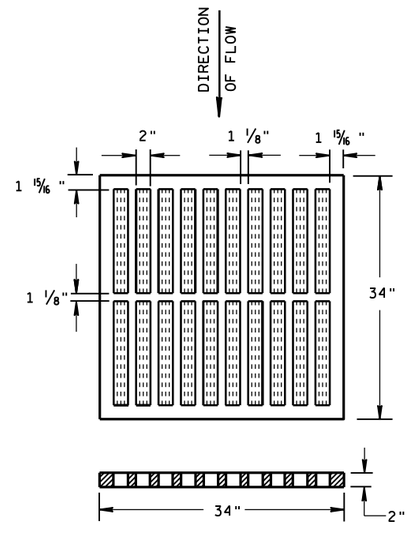
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



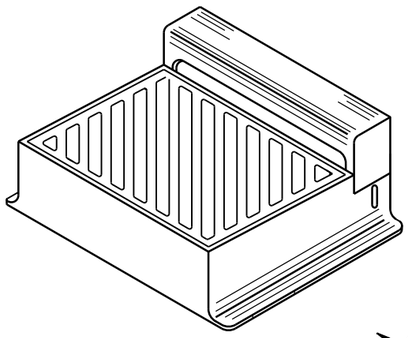
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

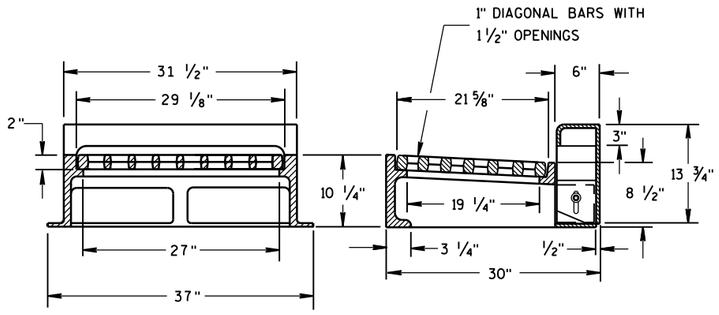


TYPE "MS"

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

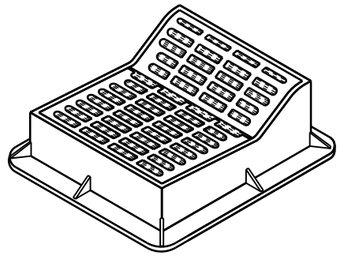
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

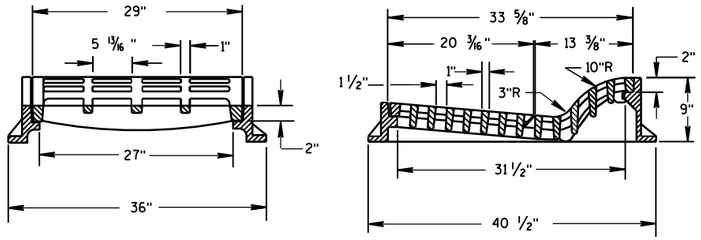
6

S.D.D. 8 A 5-19b

6

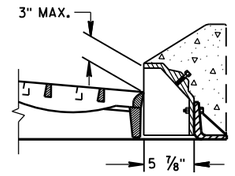
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

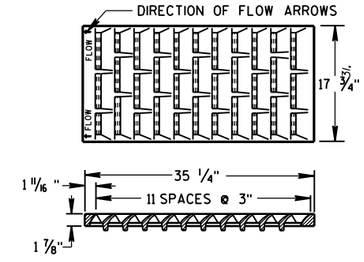
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

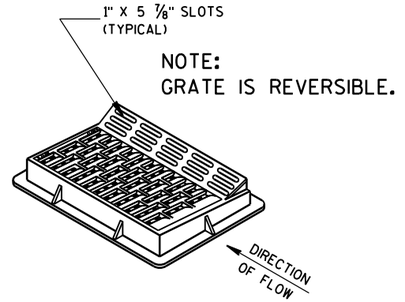
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

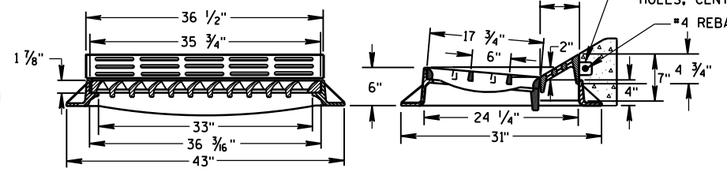
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



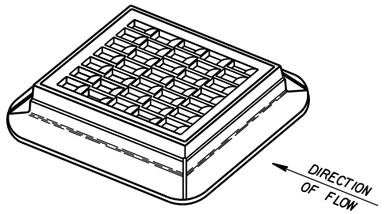


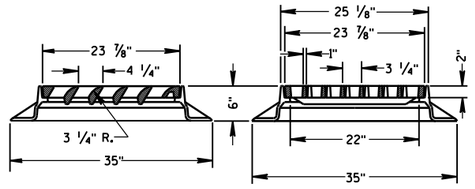


TYPE "HM"

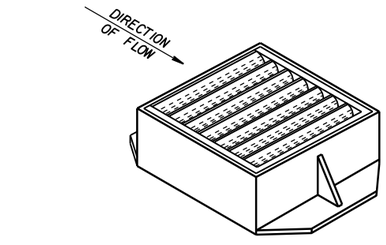
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

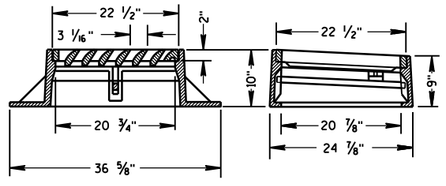
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



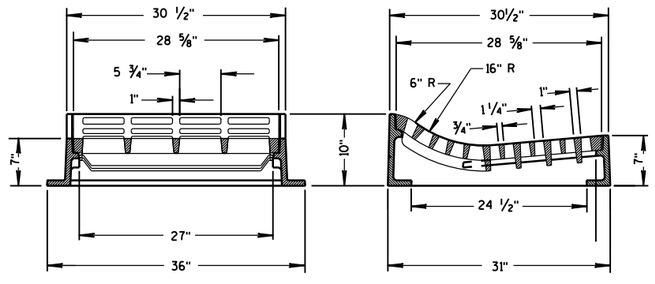


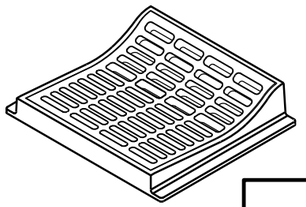
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

6

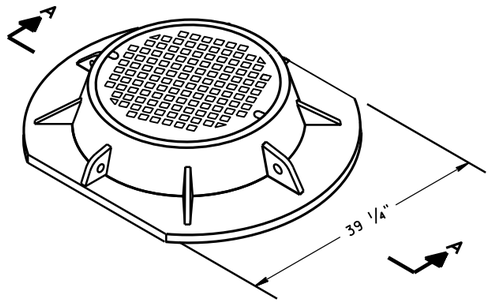
S.D.D. 8 A 5-19c

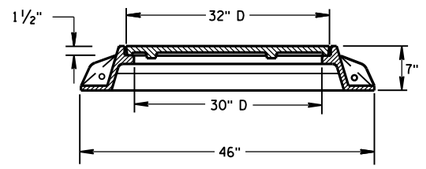
GENERAL NOTES

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

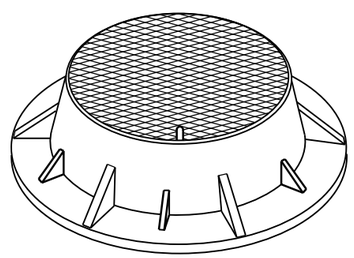
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

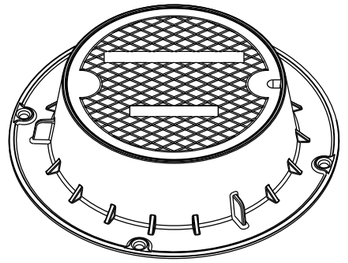
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

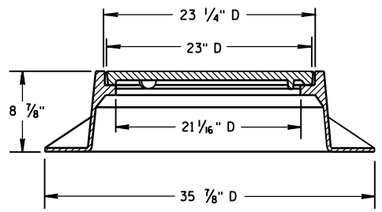


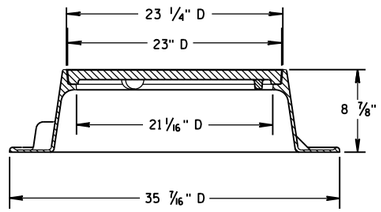


SECTION A-A
TYPE "K"

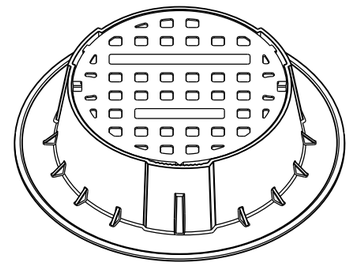


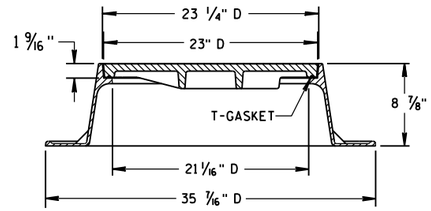


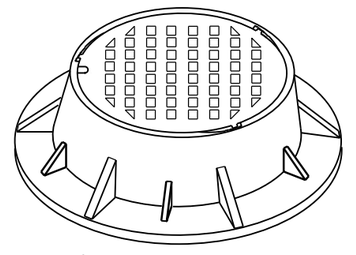


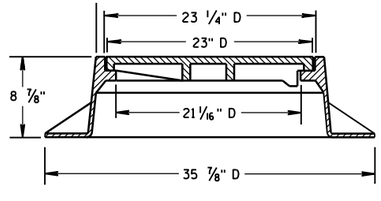


TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

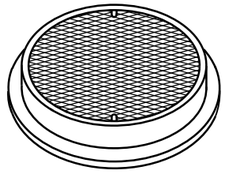


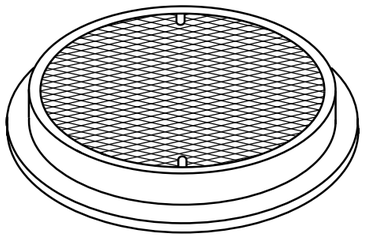


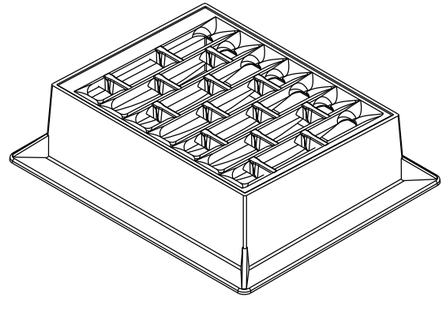


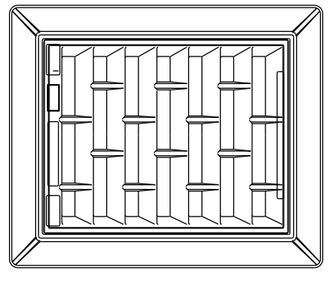


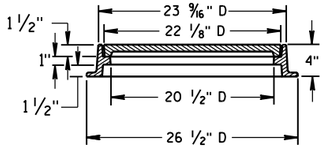
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE











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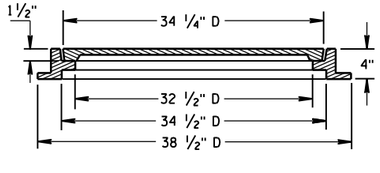

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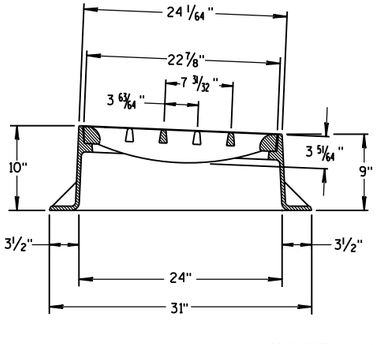
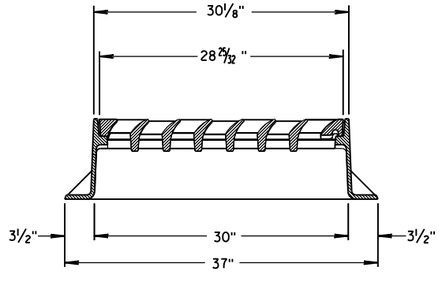




INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

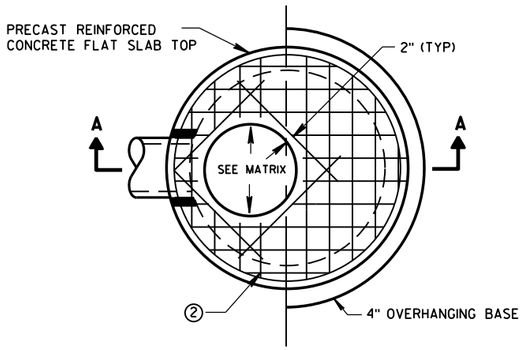
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

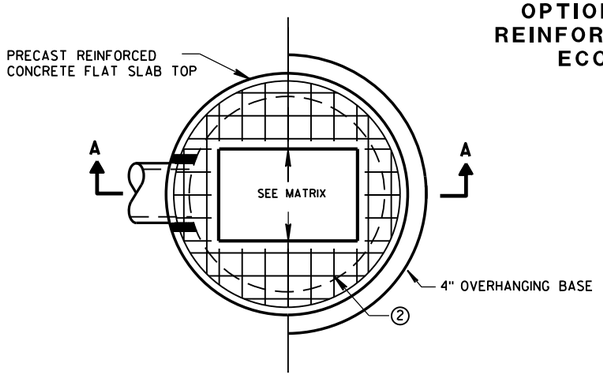
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

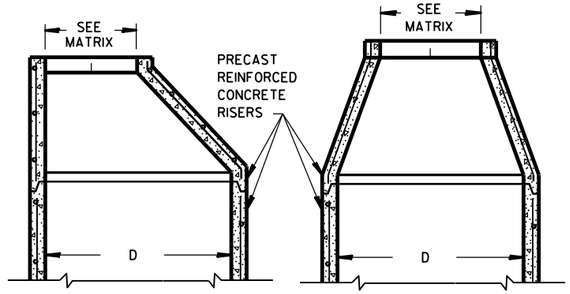
S.D.D. 8 A 5-19d



PLAN VIEW CIRCULAR OPENING

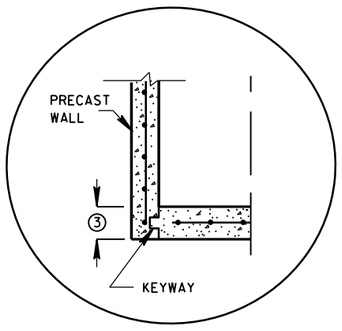


PLAN VIEW RECTANGULAR OPENING

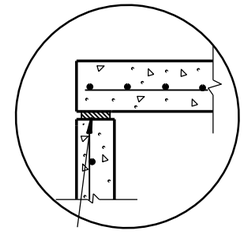


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

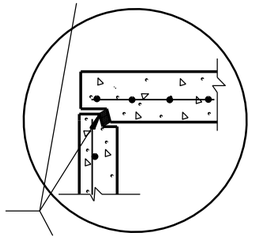
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

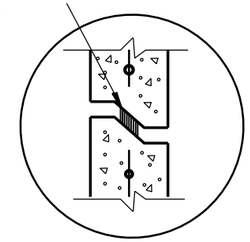


TOP WITH PLAIN END JOINT



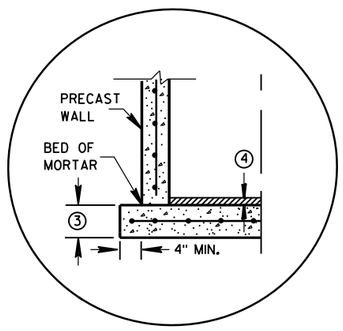
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



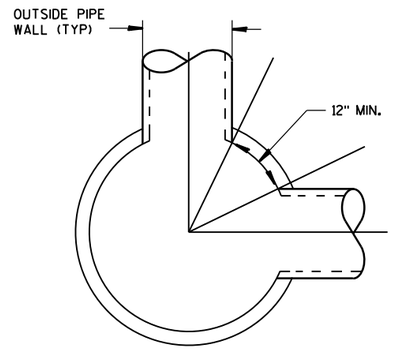
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

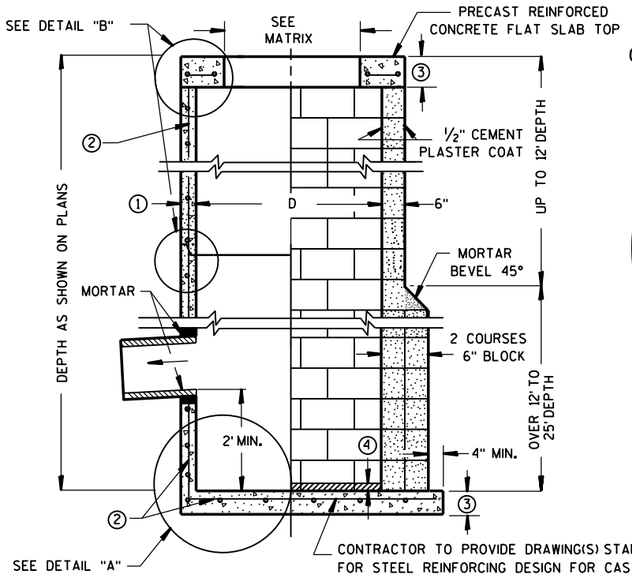


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"



CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES

SECTION A-A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2 INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

④ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

PIPE MATRIX

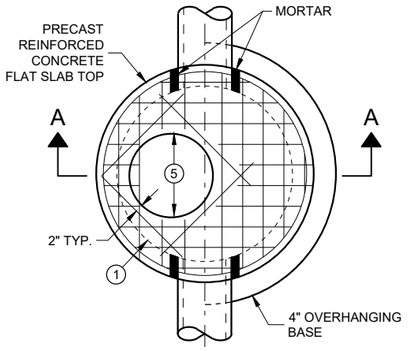
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

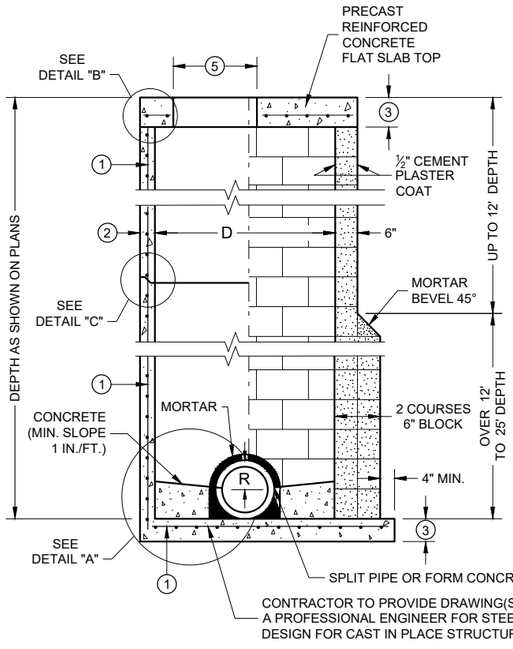
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

S.D.D. 8 A 8-2



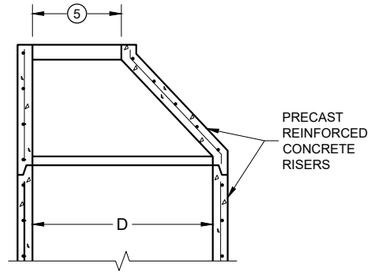
PLAN VIEW
CIRCULAR OPENING



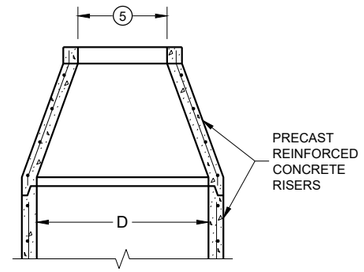
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

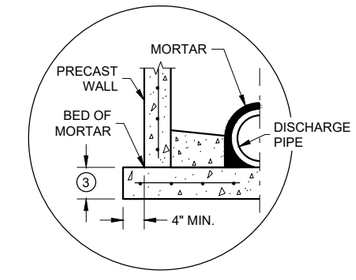
MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

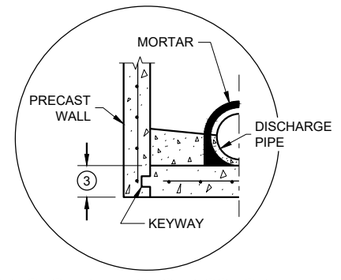
PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42*	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES.
SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

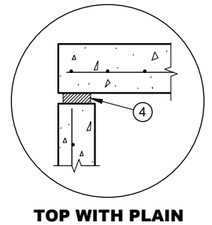


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

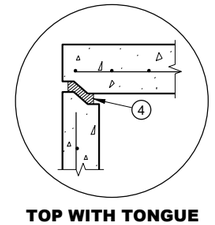


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

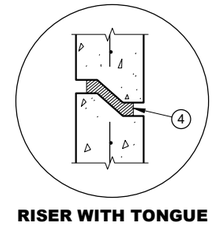
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

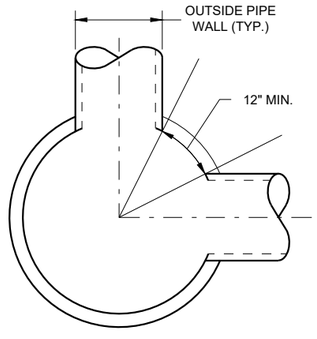
(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP.).

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

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MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

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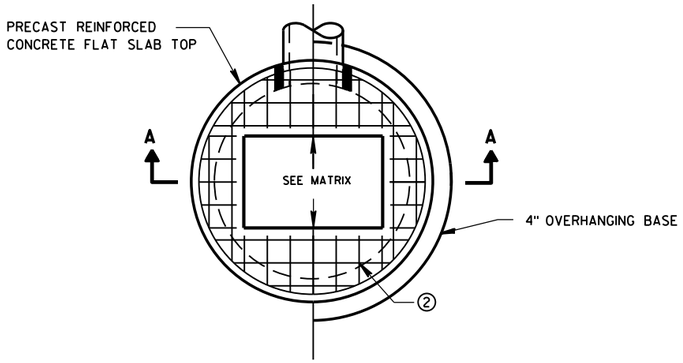
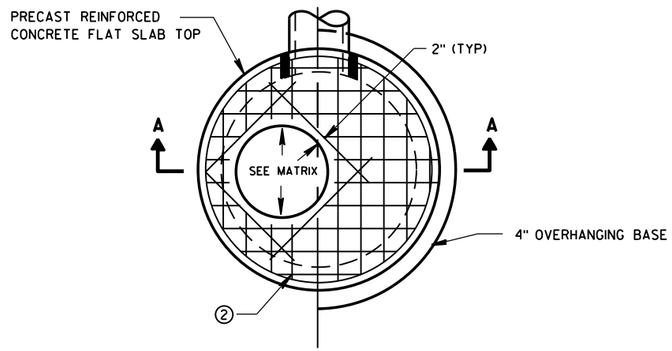
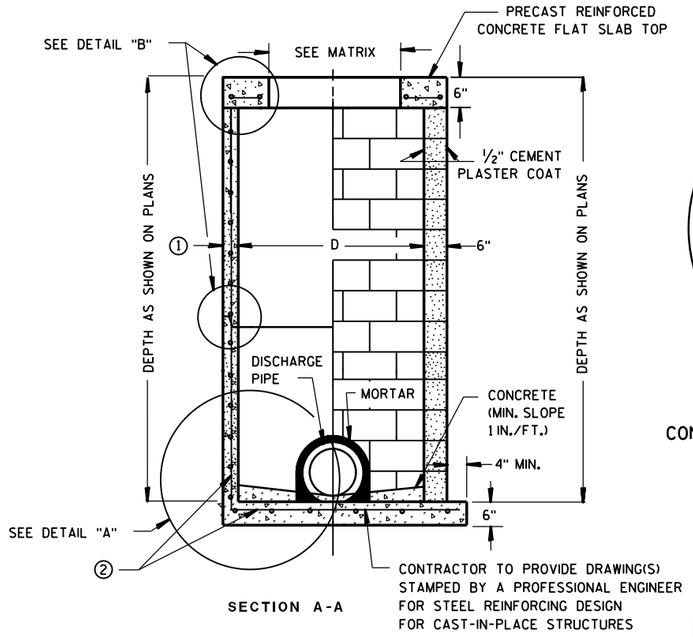


PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

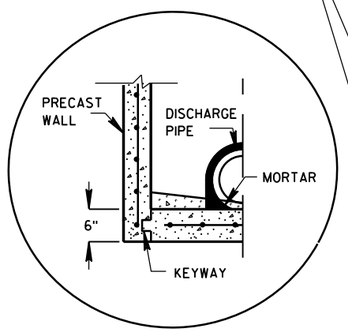


SECTION A-A

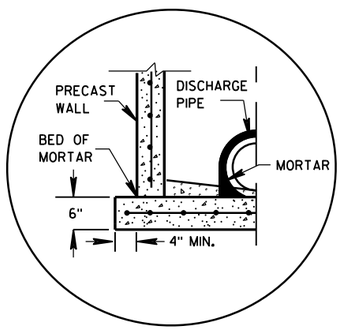
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

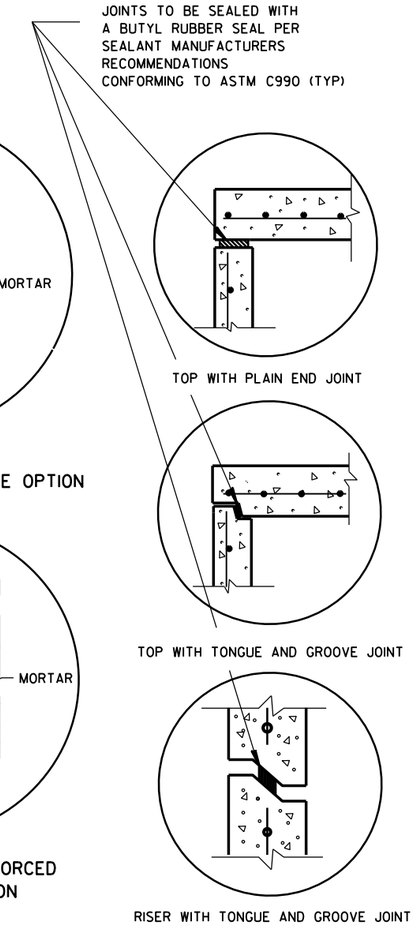


PRECAST REINFORCED
CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED
CONCRETE BASE OPTION

DETAIL "A"



TOP WITH PLAIN END JOINT

TOP WITH TONGUE AND GROOVE JOINT

RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

GENERAL NOTES

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

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ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

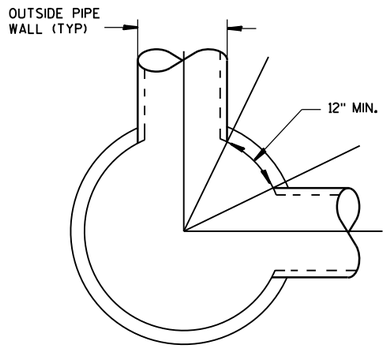
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

INLETS 3-FT
AND 4-FT DIAMETER

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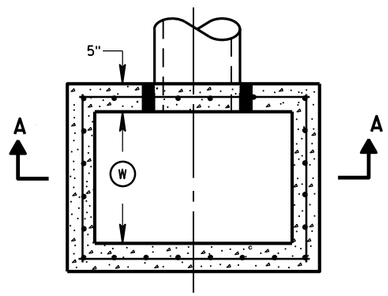
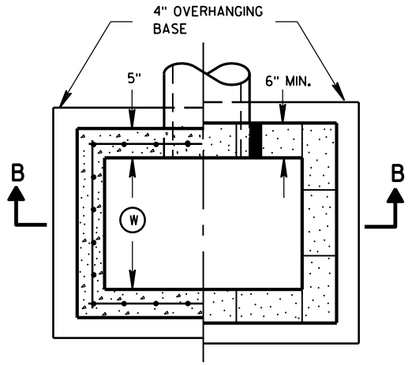
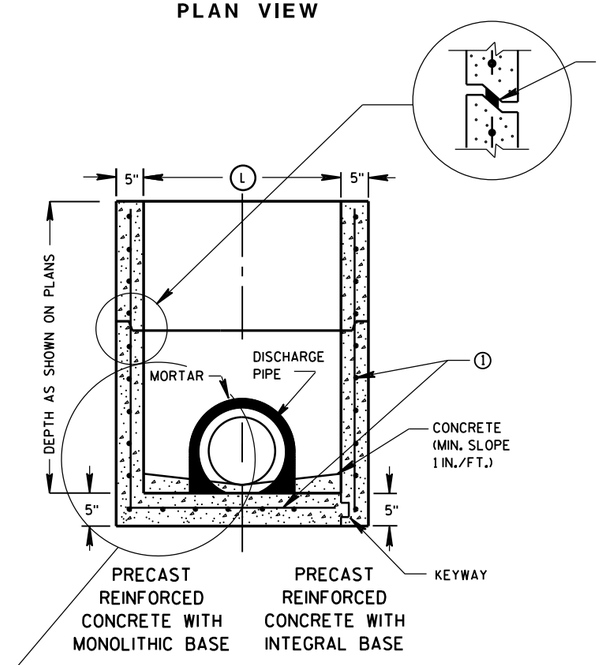


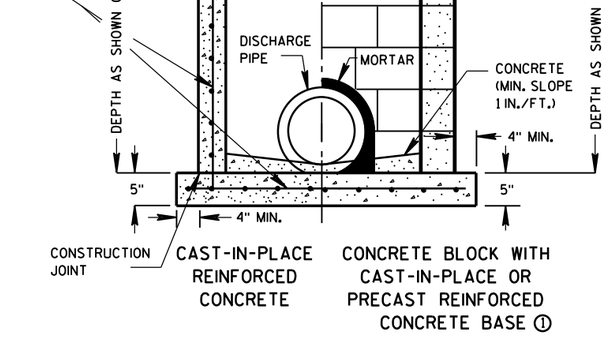
PLAN VIEW



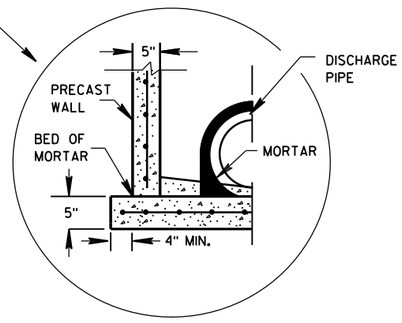
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

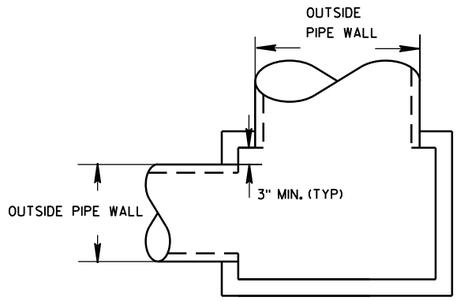
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

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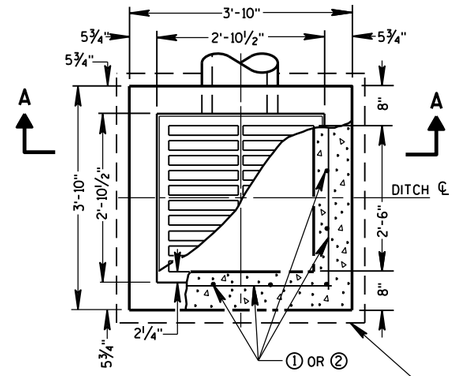
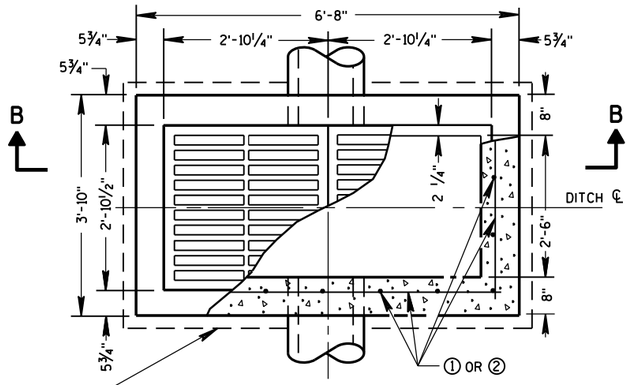
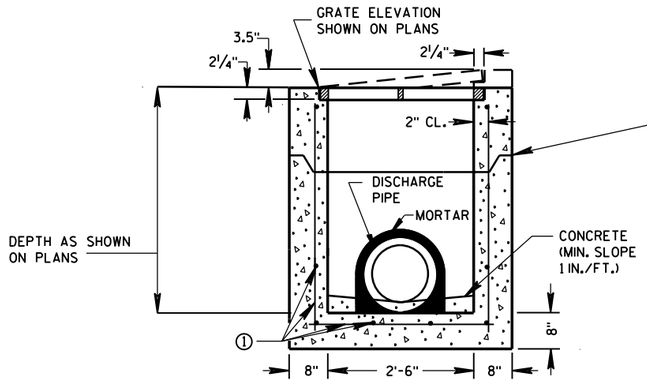


PLAN VIEW

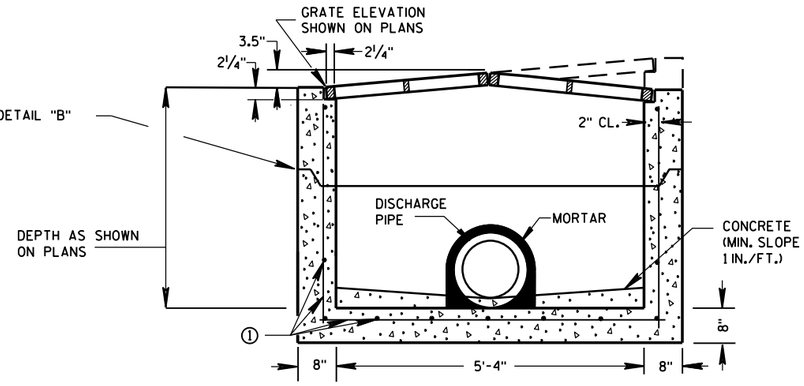


PLAN VIEW

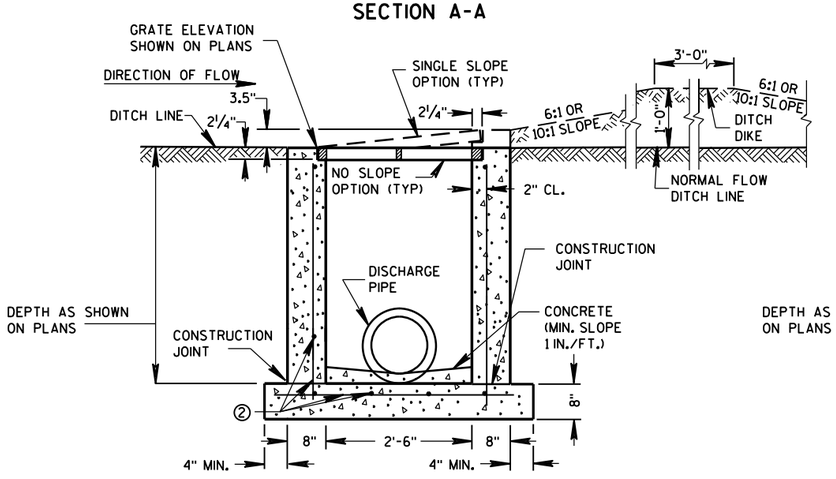
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



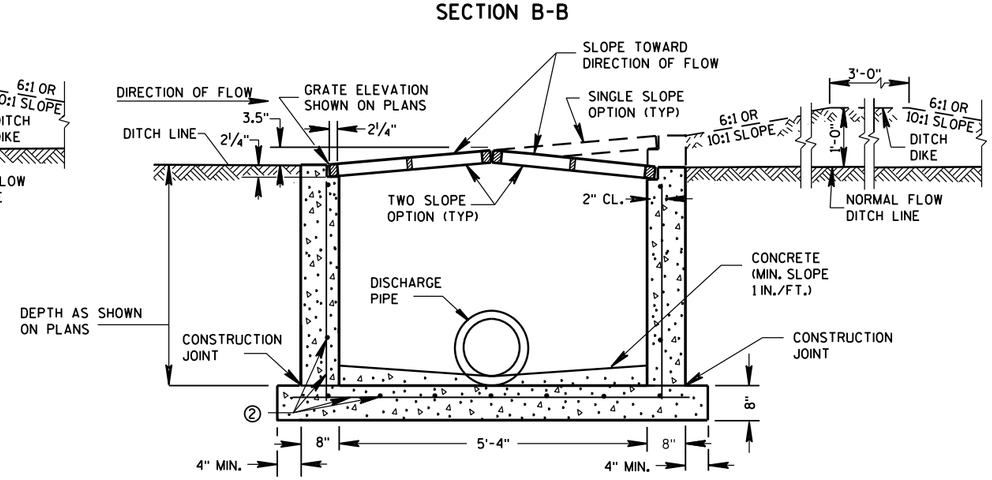
PRECAST REINFORCED CONCRETE SECTION A-A



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

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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.

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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.

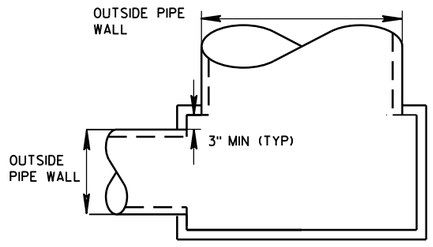
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

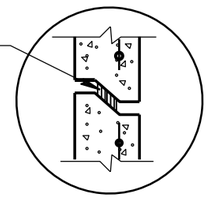
PIPE MATRIX

	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

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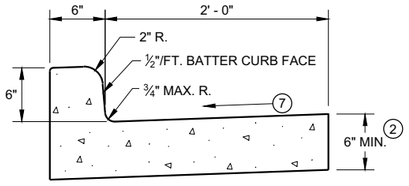
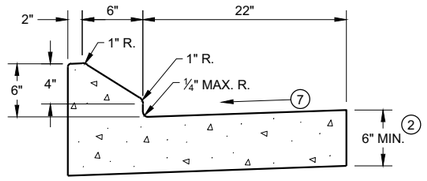
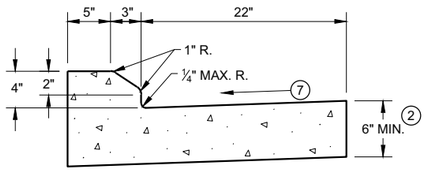


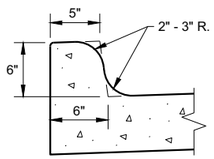
TYPES A (1) & D



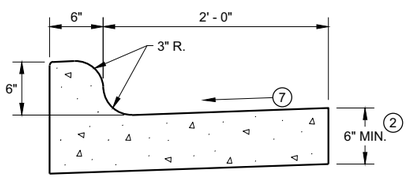
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

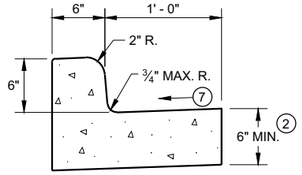


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



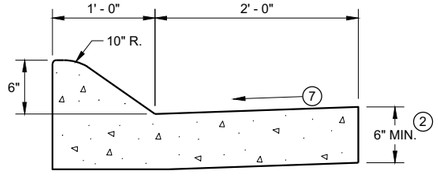
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"



TYPES A (1) & D

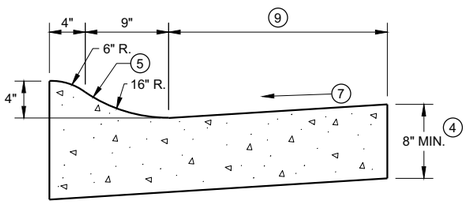
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

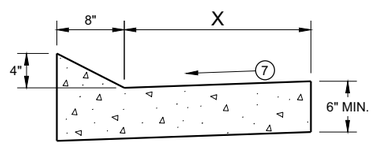
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

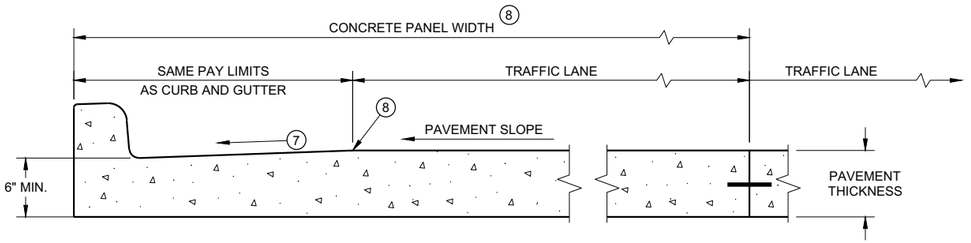


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

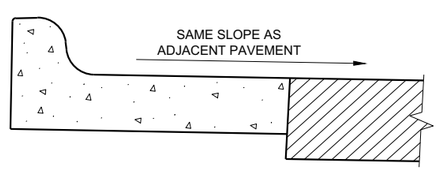
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT *
WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

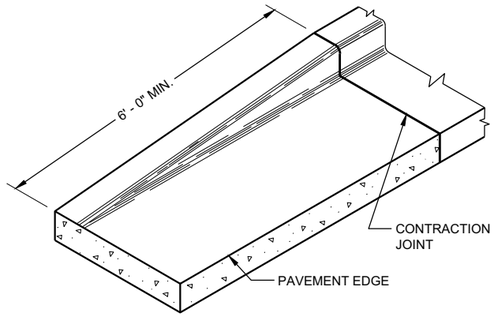
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

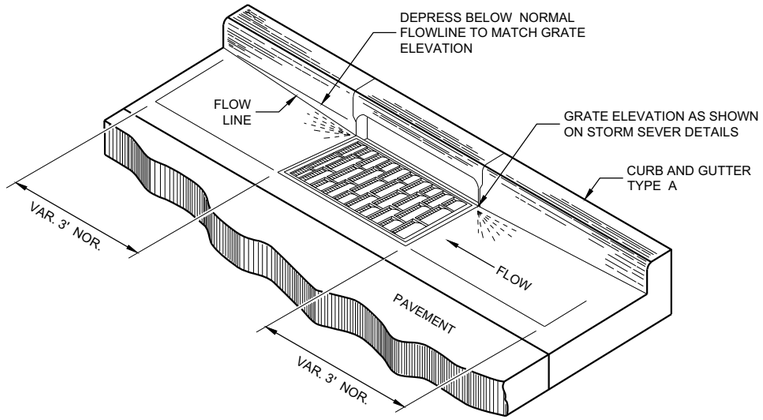
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 22a



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS
(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

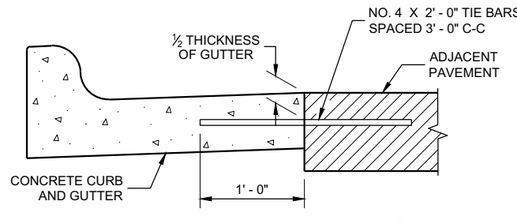
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

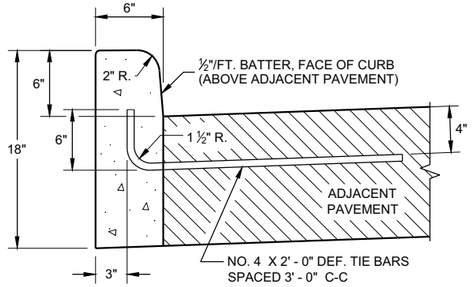
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

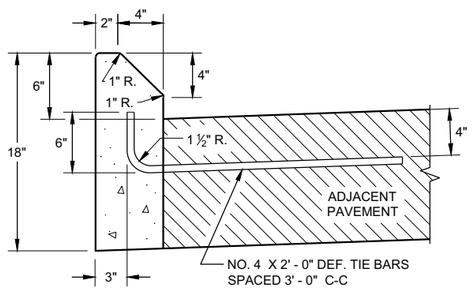
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

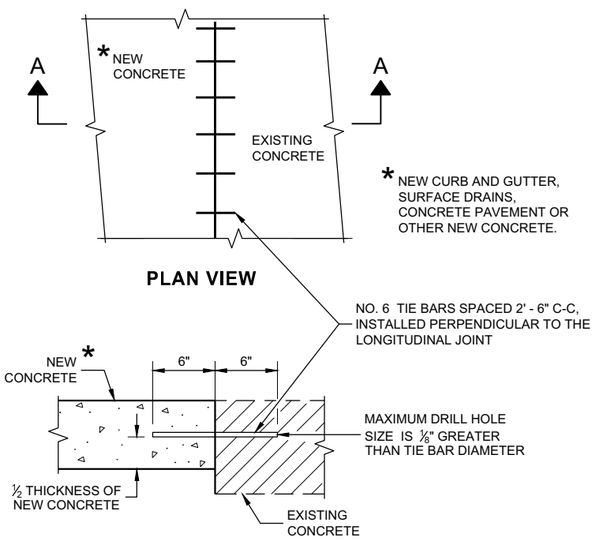


TYPES A (1) & D



TYPES G (1) & J

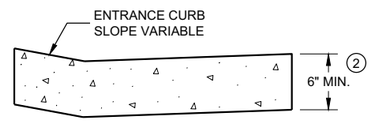
CONCRETE CURB



PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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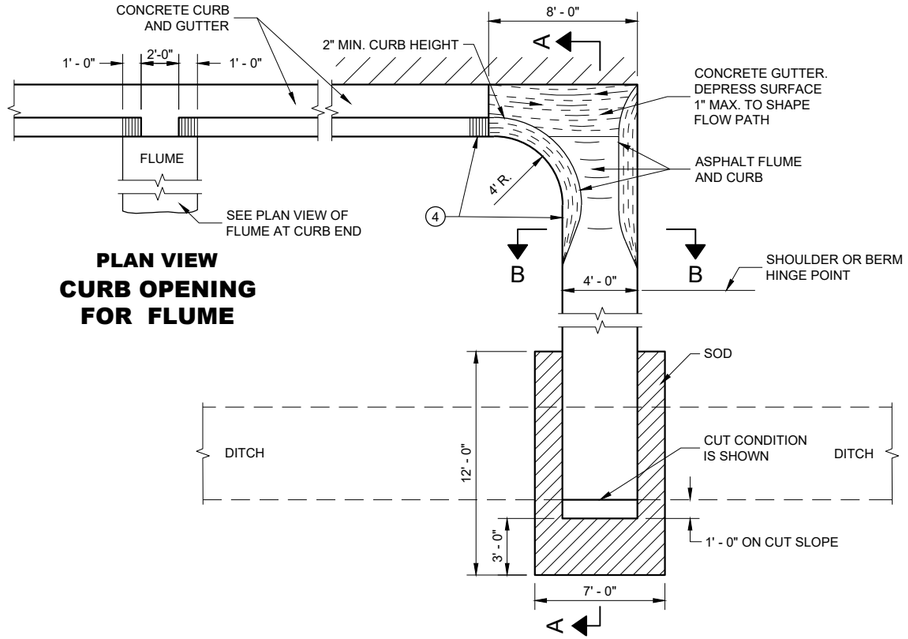
SDD08D01 - 22b

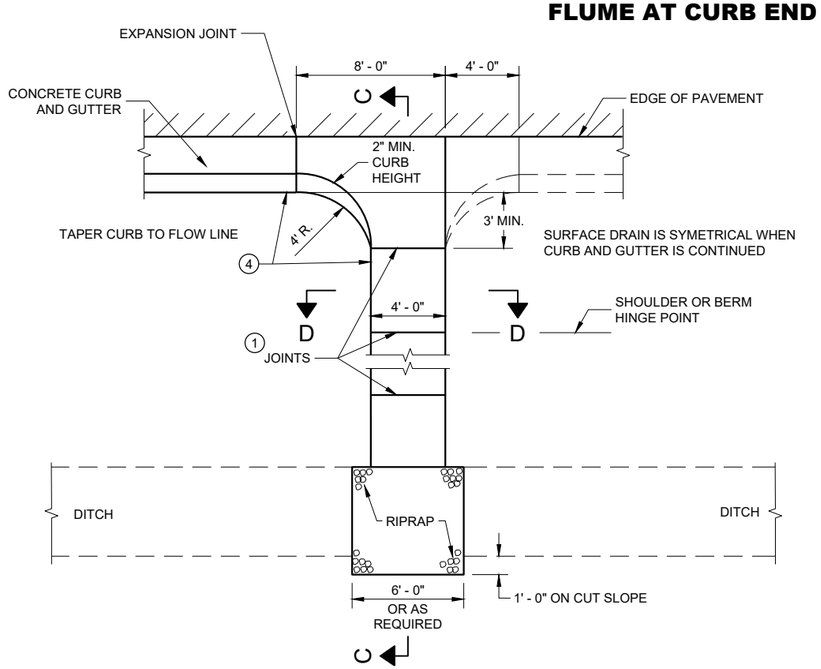
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



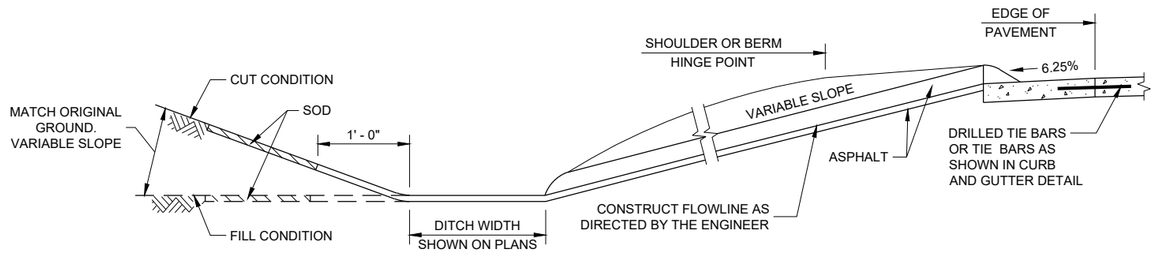
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

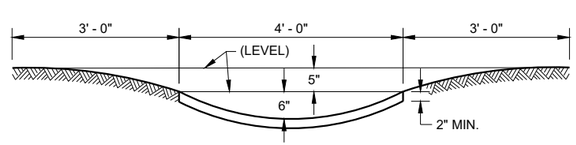
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

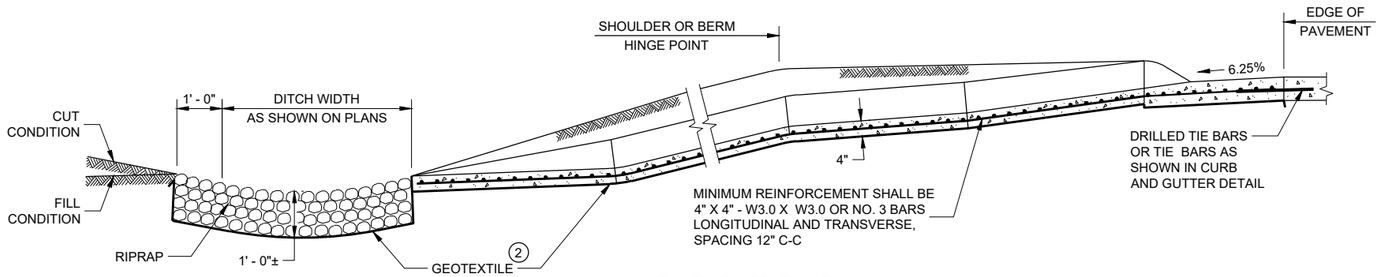
1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.



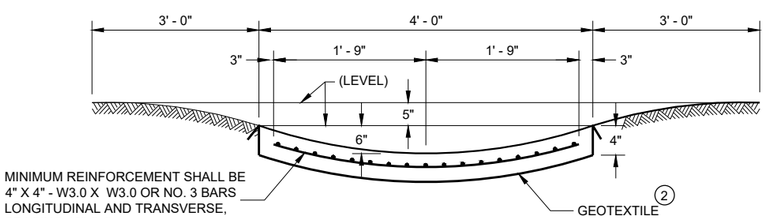
SECTION A - A



SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

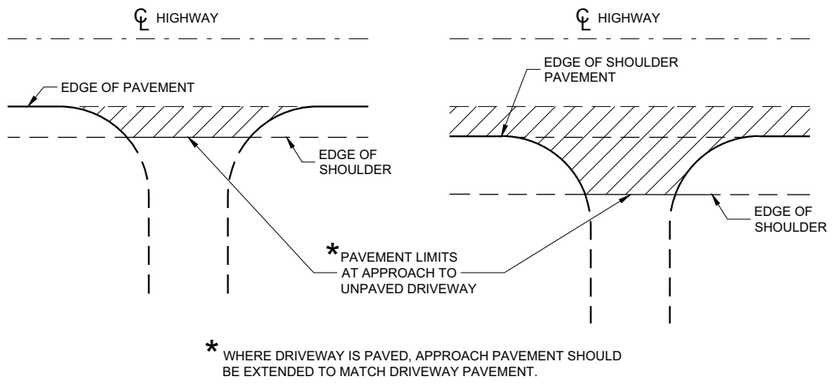
FHWA

6

SDD 08D04 - 06

6

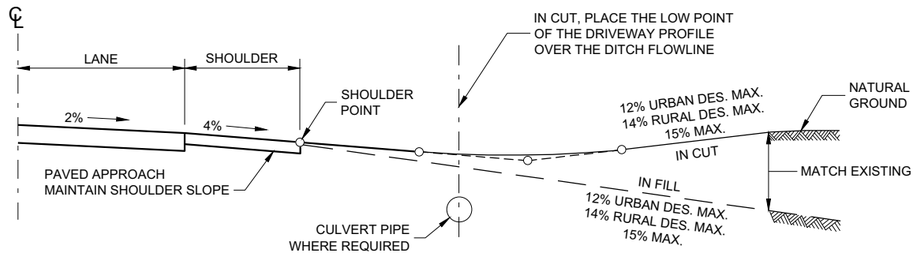
SDD 08D04 - 06



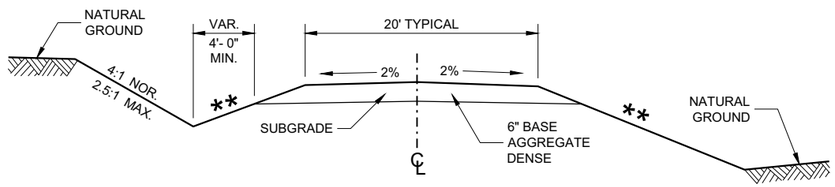
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

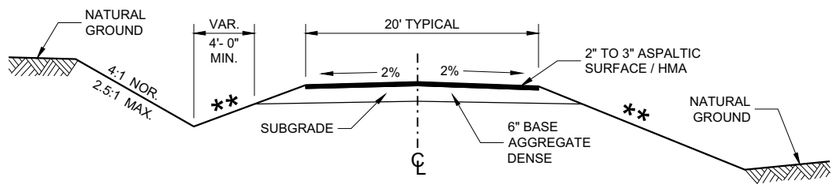


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

6

6

SDD 08D21 - 01

SDD 08D21 - 01

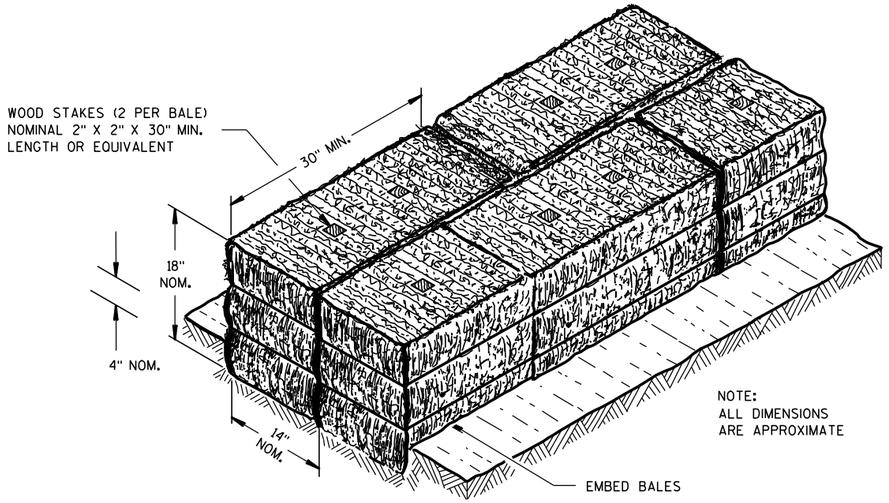
DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

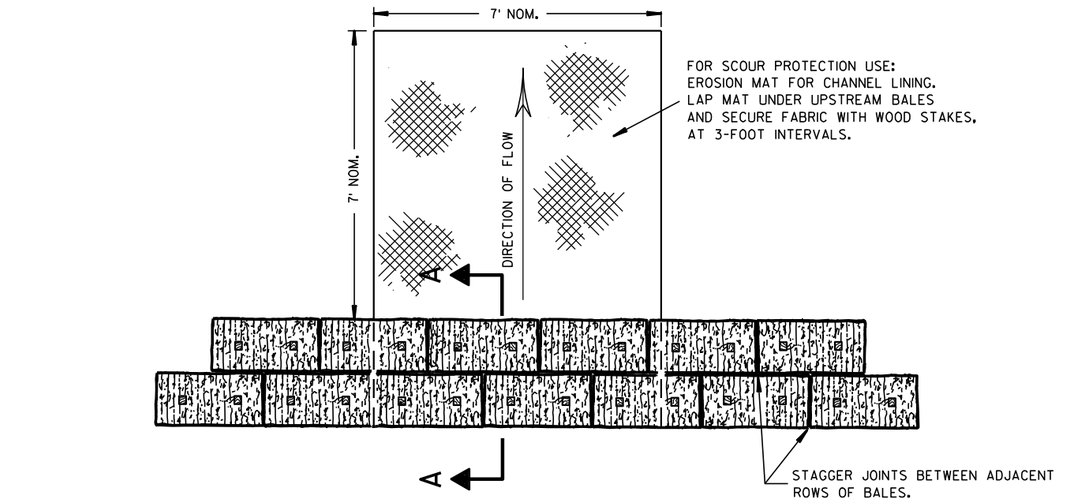
APPROVED
December 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

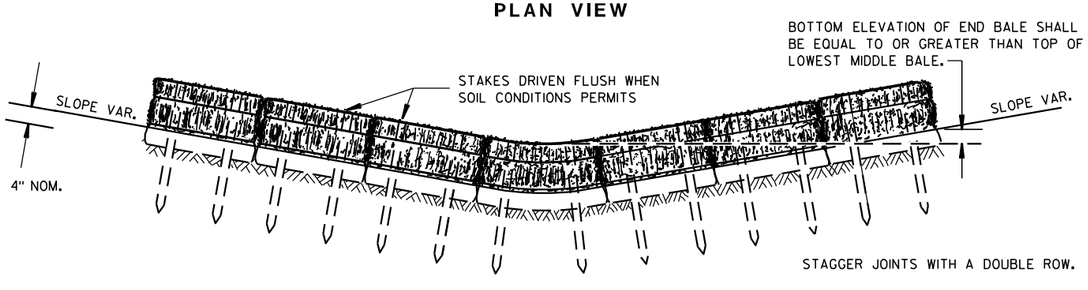
FHWA



SECTION A-A



PLAN VIEW



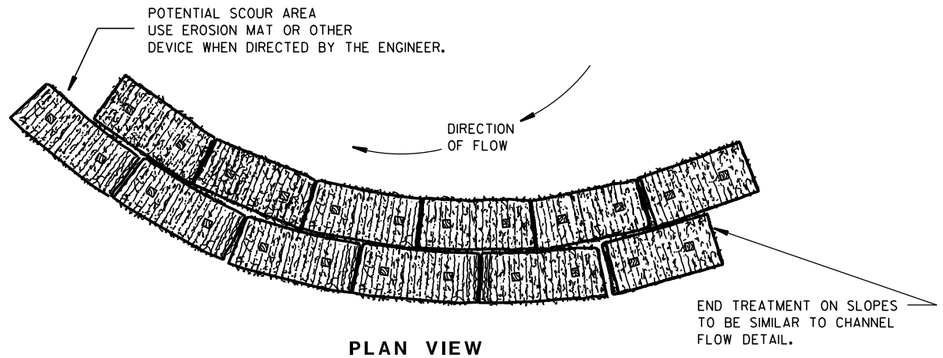
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

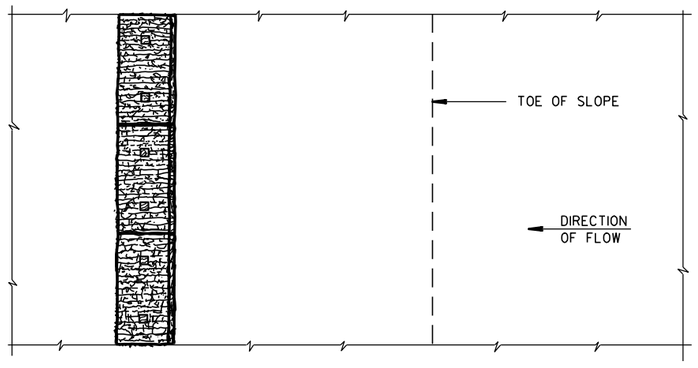
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

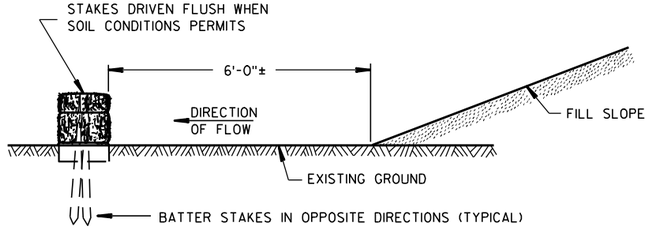


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

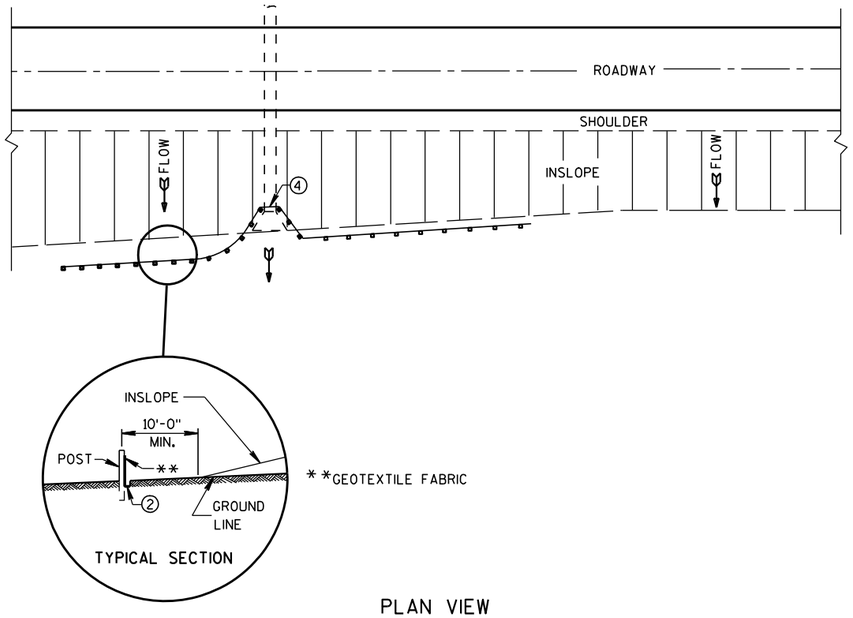
6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

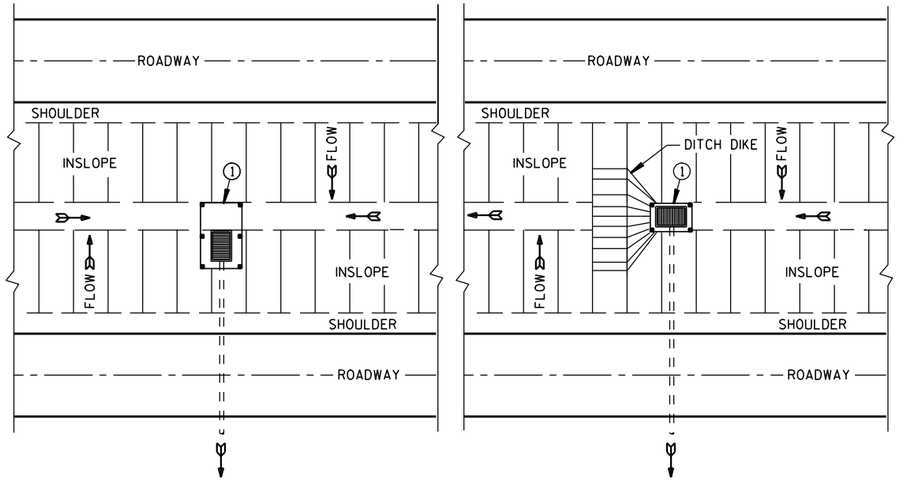
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



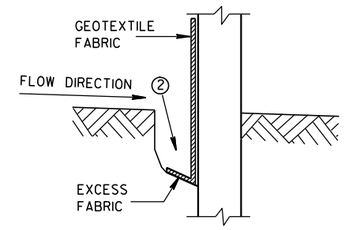
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

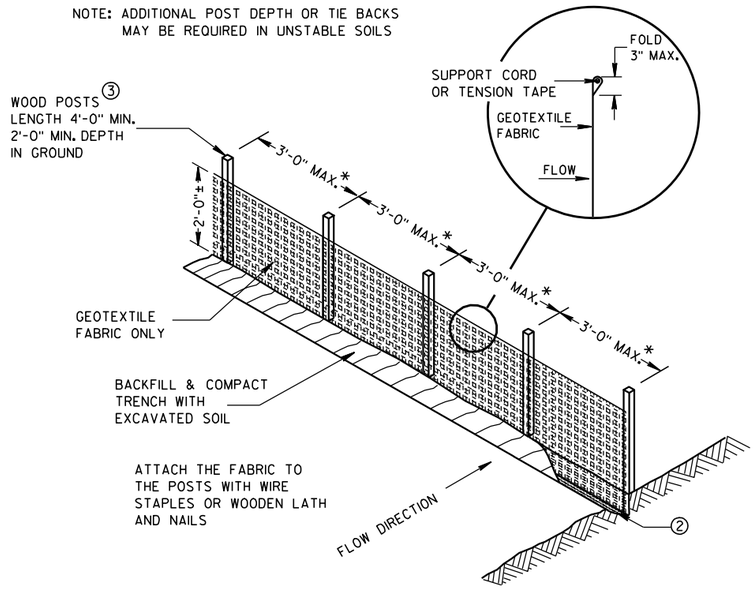
GENERAL NOTES

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

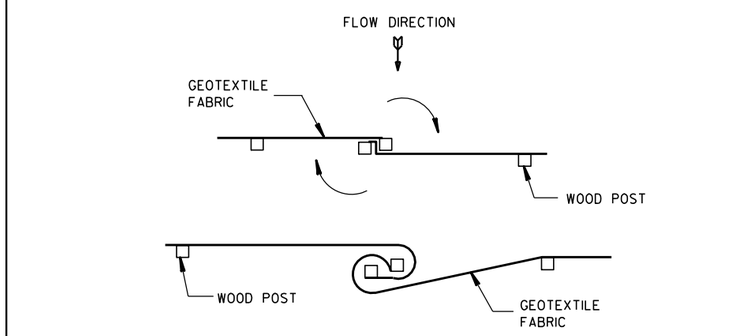
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



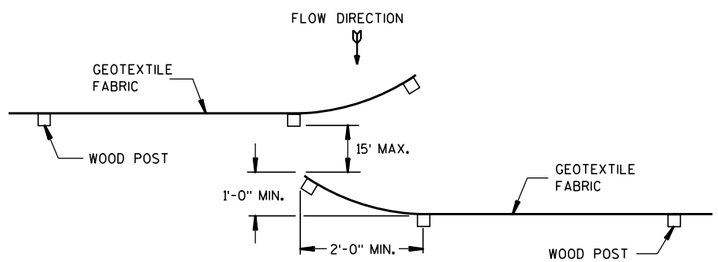
TRENCH DETAIL



SILT FENCE

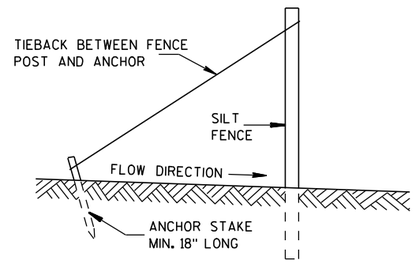


TWIST METHOD



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

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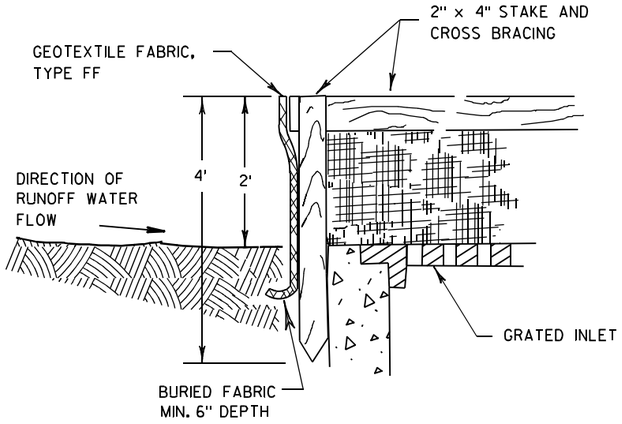
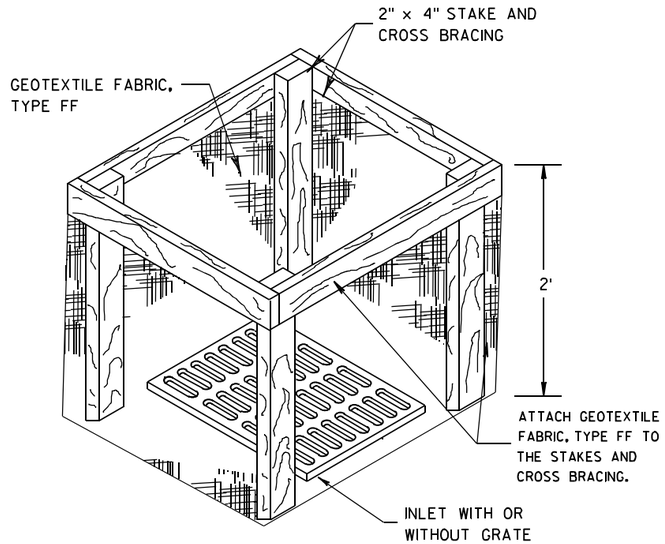
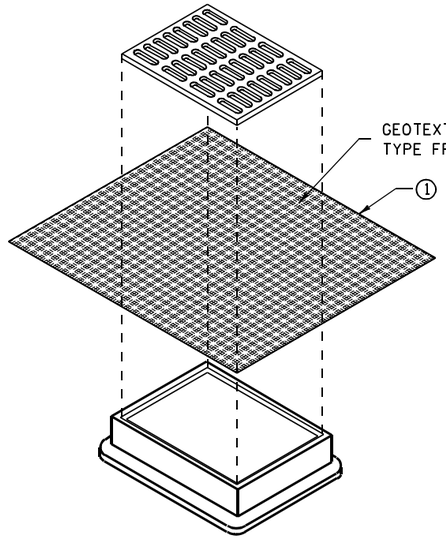
S.D.D. 8 E 9-6



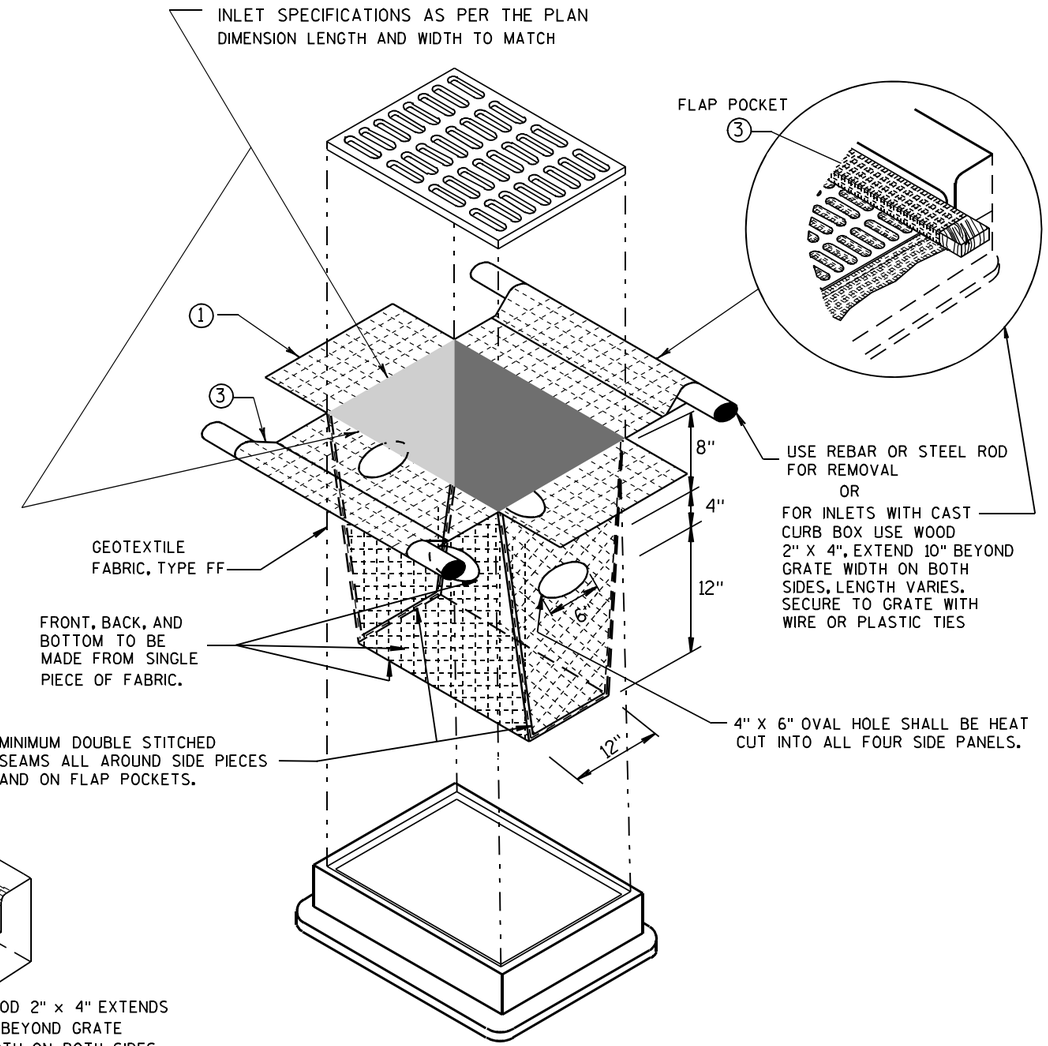


INLET PROTECTION, TYPE A



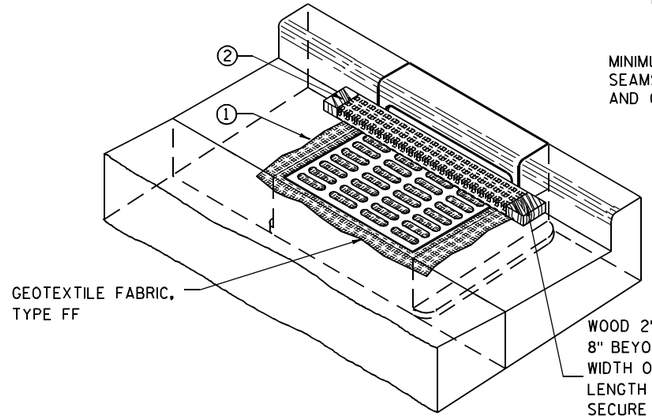
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE 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

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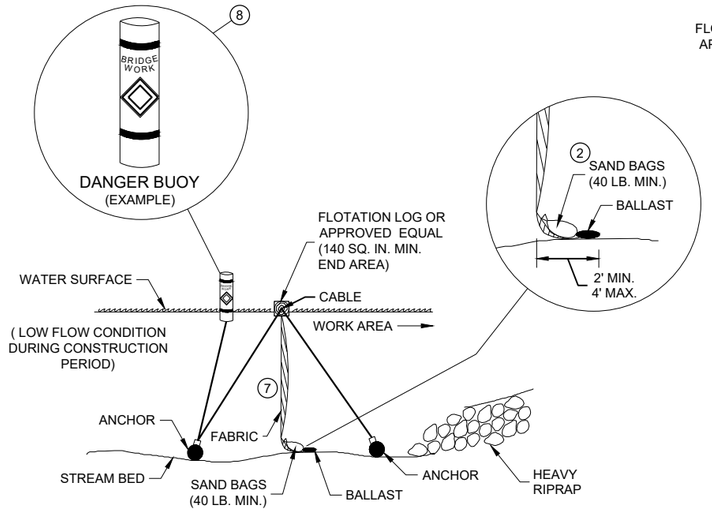
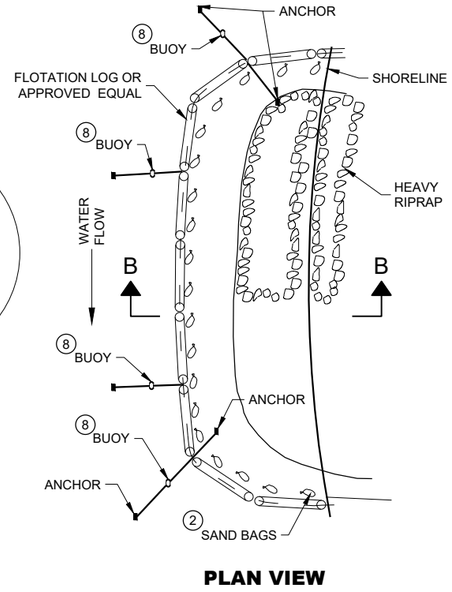
S.D.D. 8 E 10-2

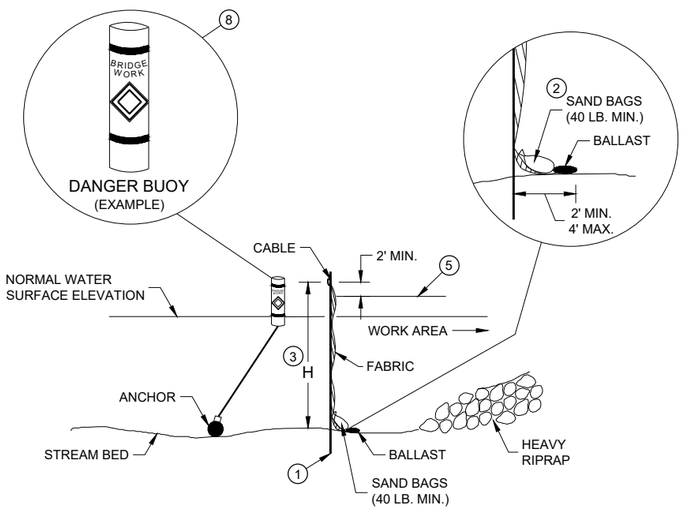


SECTION B - B

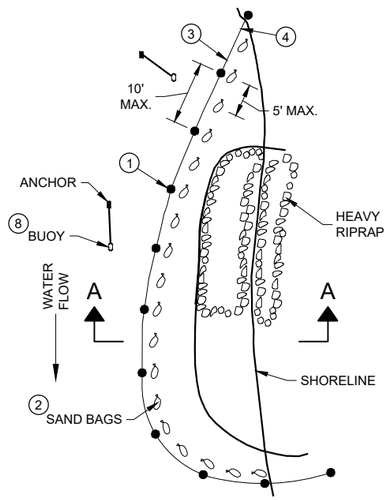


PLAN VIEW

TURBIDITY BARRIER - FLOAT ALTERNATIVE
CAUTION - SEE NOTE 6



SECTION A - A



PLAN VIEW

TURBIDITY BARRIER - STANDARD POST INSTALLATION

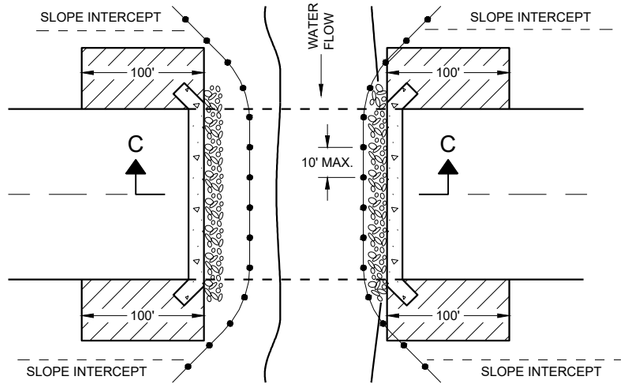
TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

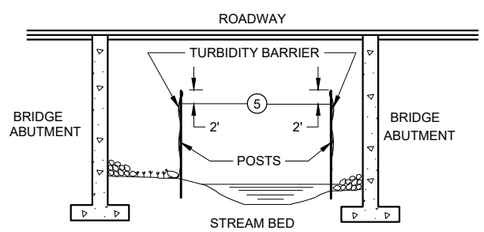
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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. SAND BAGS 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 FEET, 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. MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE Q2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.
6. FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK 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
6/4/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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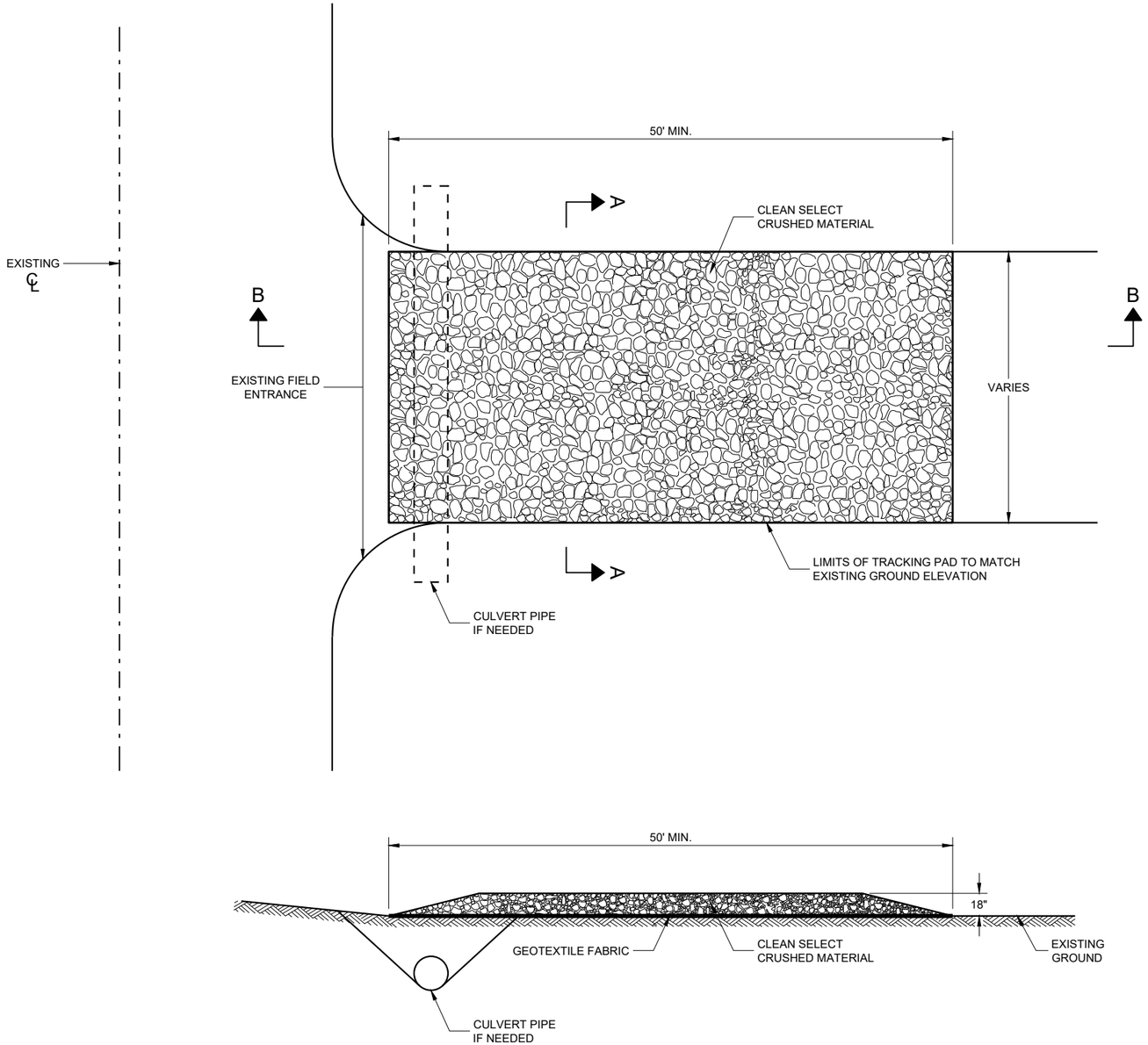
SDD 08E11 - 02



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.

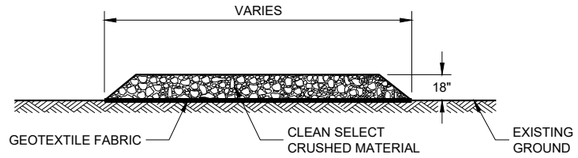
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

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SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

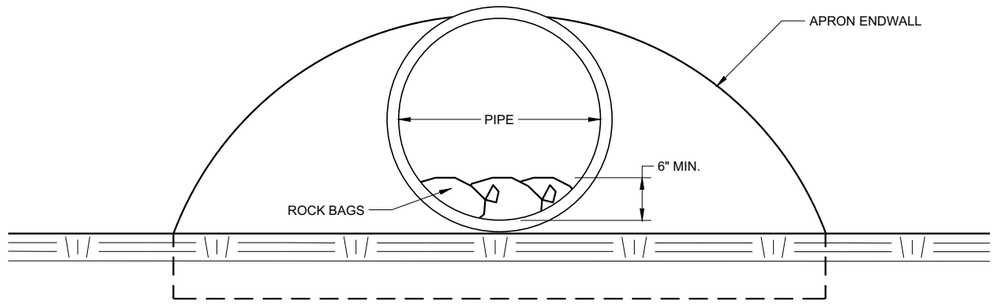
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

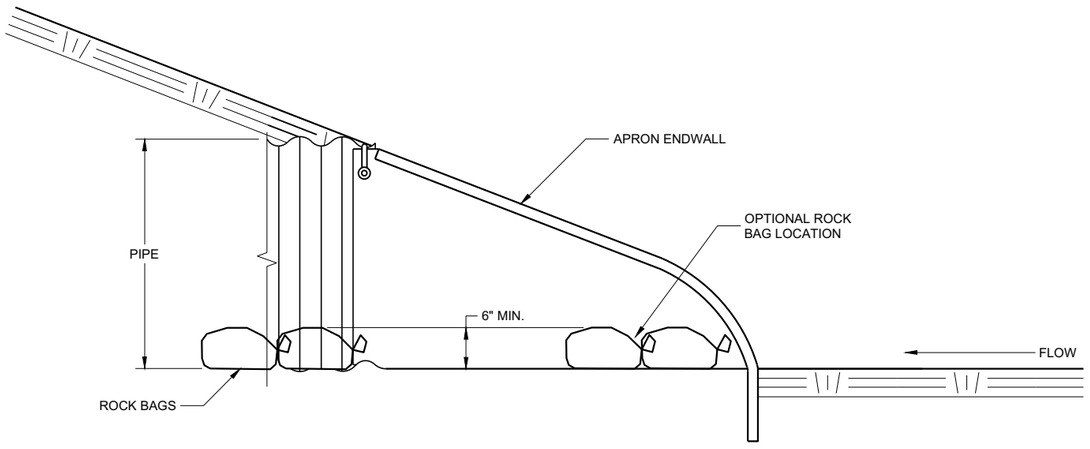
FHWA

6

SDD 08E14 - 01



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

6

SDD 08E15 - 01

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SDD 08E15 - 01

METAL APRON ENDWALLS

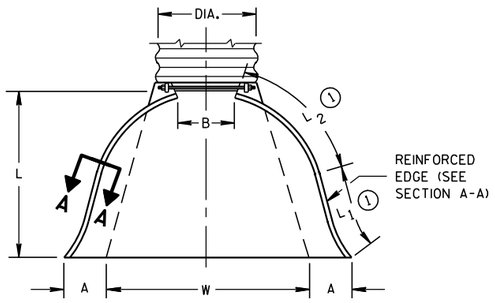
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

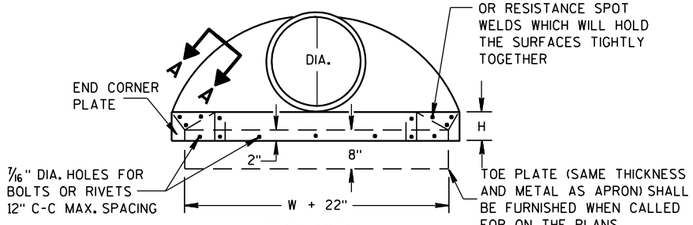
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

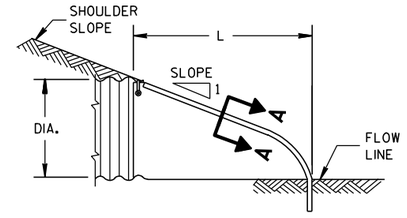
*MINIMUM
**MAXIMUM



PLAN VIEW

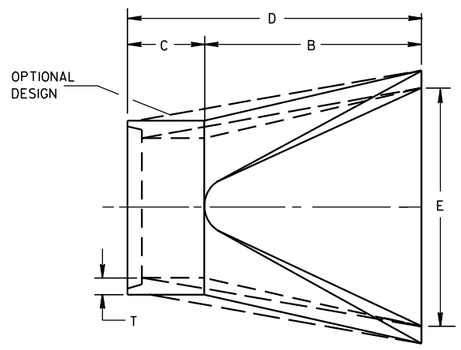


END VIEW

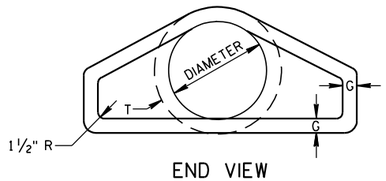


SIDE ELEVATION

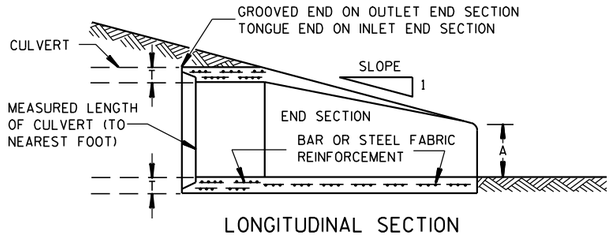
METAL ENDWALLS



PLAN

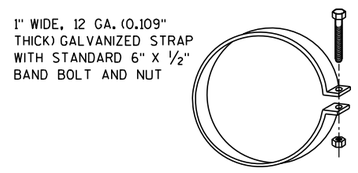


END VIEW



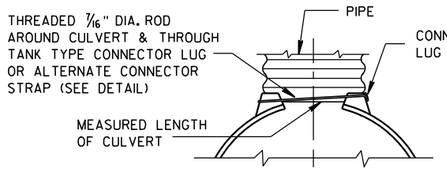
LONGITUDINAL SECTION

CONCRETE ENDWALLS

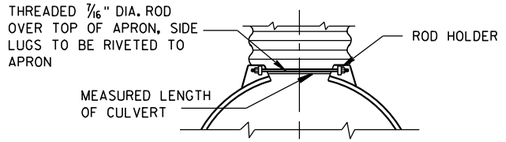


ALTERNATE FOR TYPE 1 CONNECTION

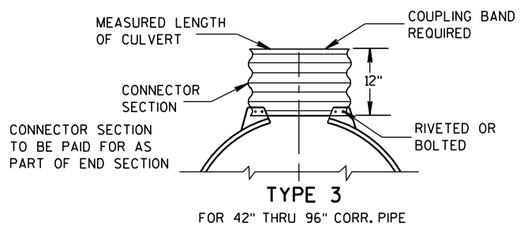
END SECTION CONNECTOR STRAP



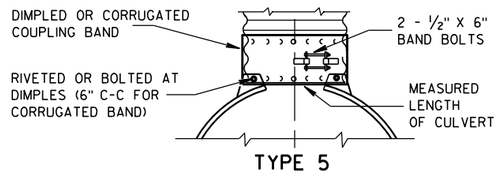
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

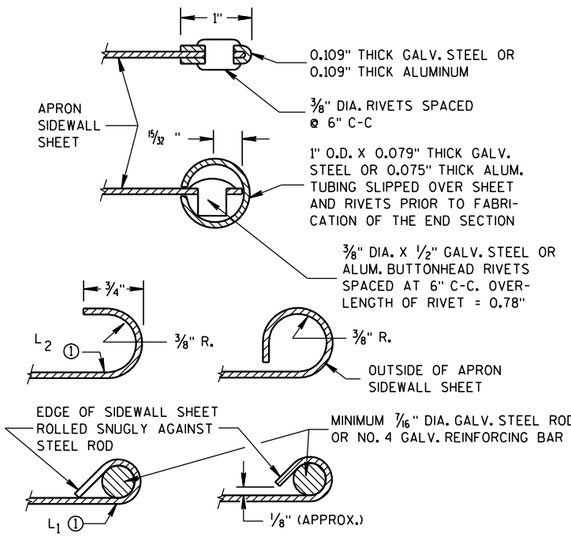
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

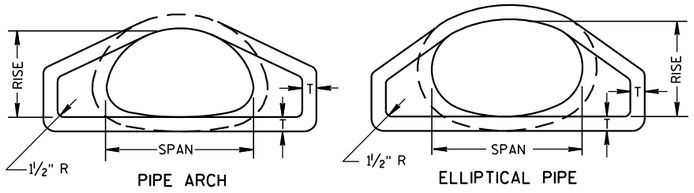
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

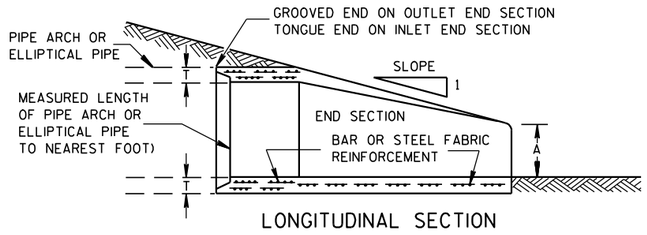
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

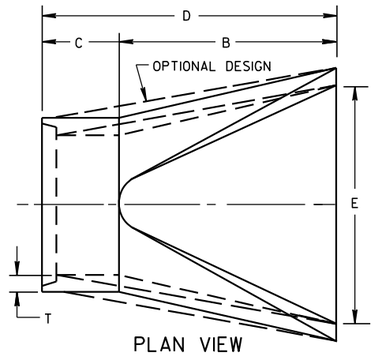
6
S.D.D. 8 F 1-11



END VIEW

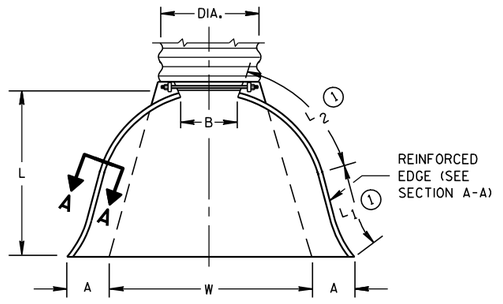


LONGITUDINAL SECTION

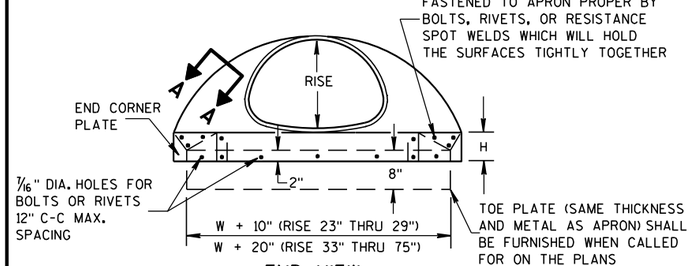


PLAN VIEW

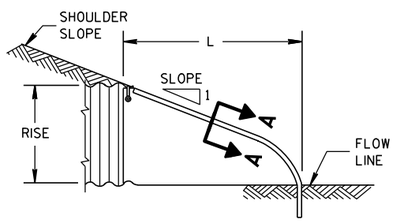
CONCRETE ENDWALLS



PLAN VIEW

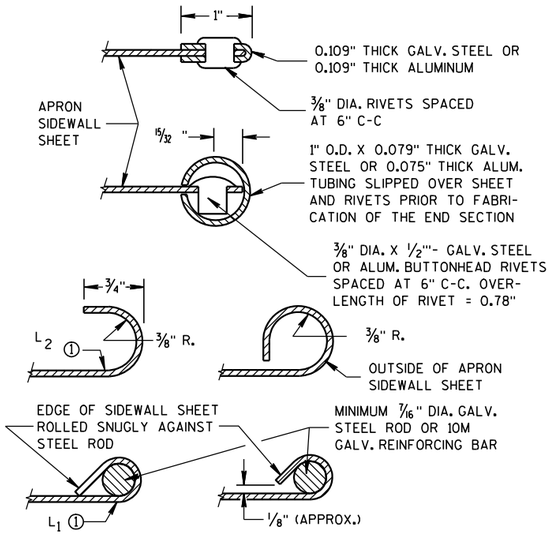


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

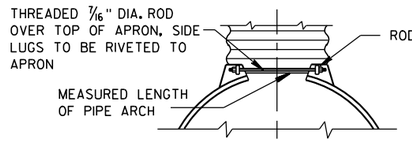
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

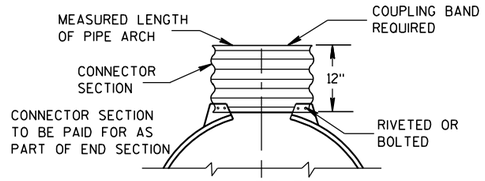
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



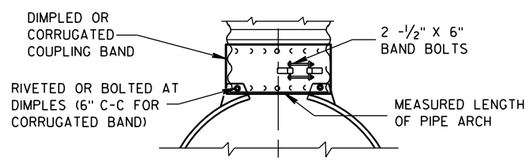
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

GENERAL NOTES

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

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6

S.D.D. 8 F 2-1

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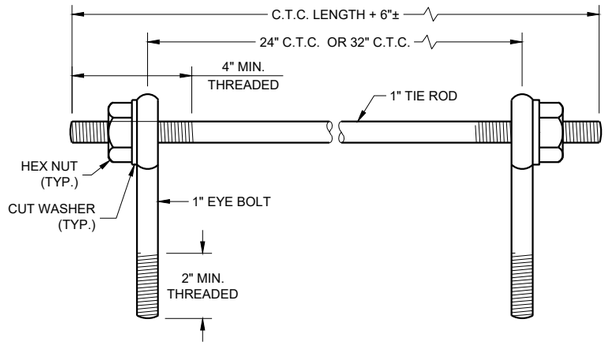
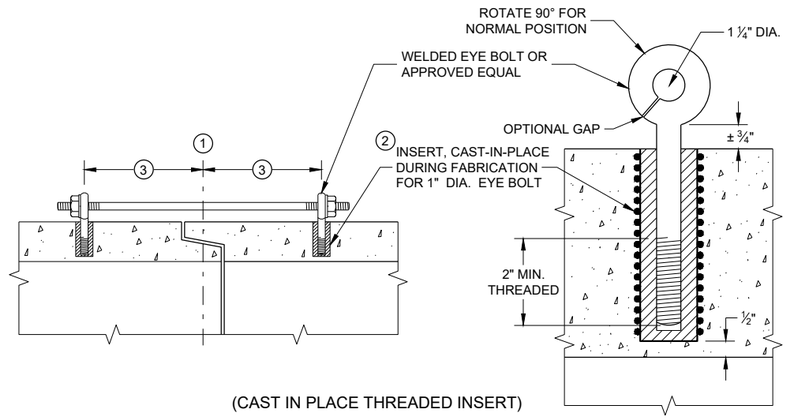
S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE 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.

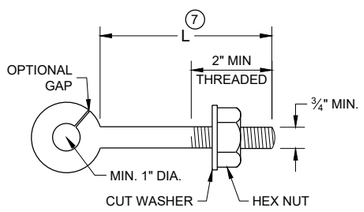
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

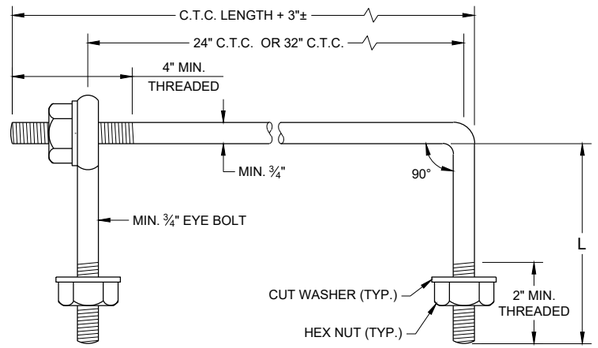
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

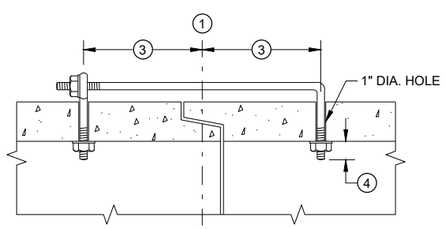


EYE BOLT (7)

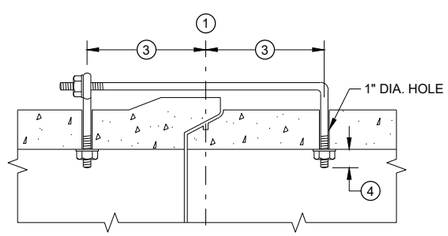
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

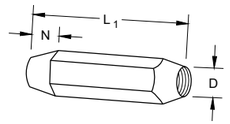
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



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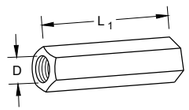
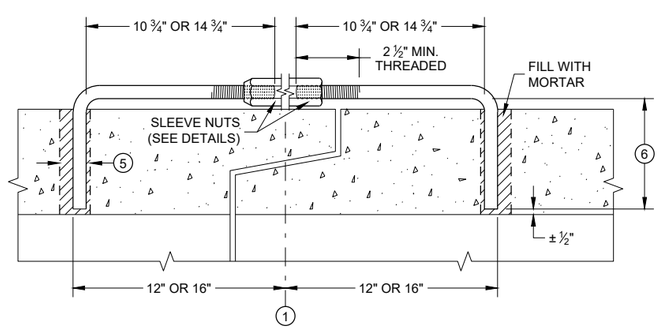


PLAIN

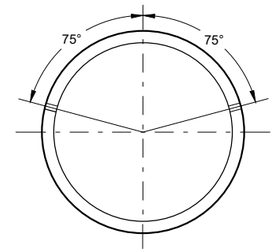
RIGHT AND LEFT THREADS

SLEEVE NUTS



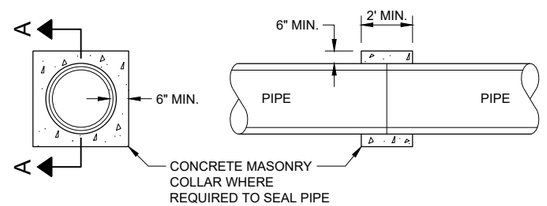
LONGITUDINAL SECTION

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

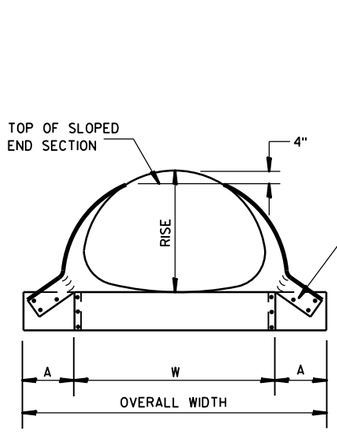
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

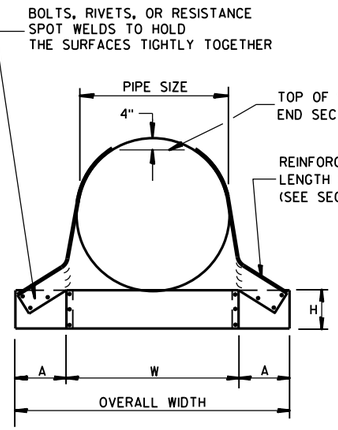
FHWA

SDD 08F04 - 08

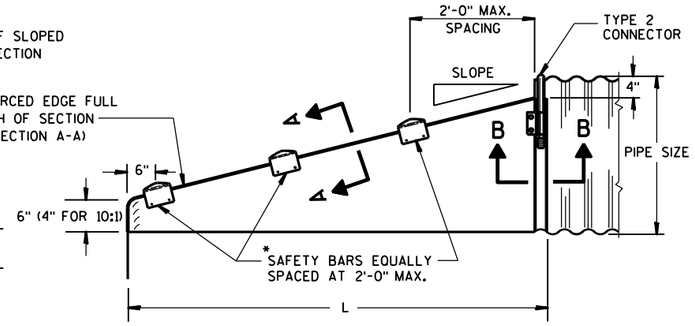
SDD 08F04 - 08



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

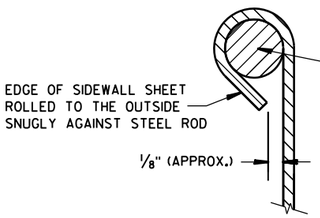
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.

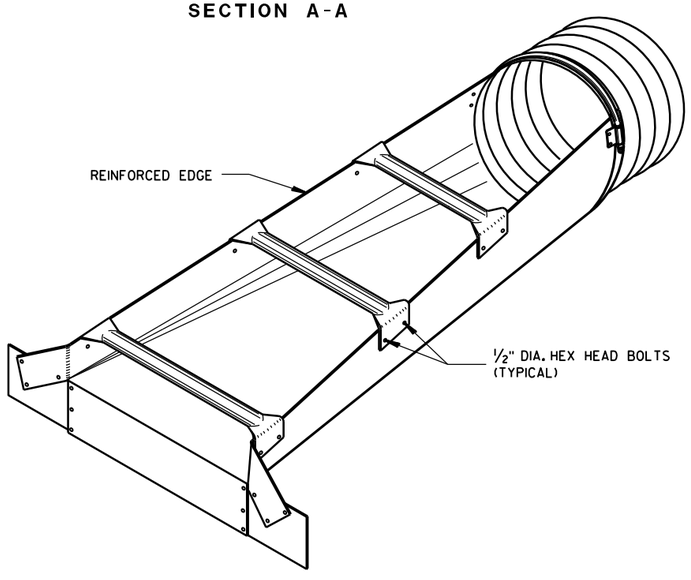
3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.

DETAIL OF SAFETY BAR

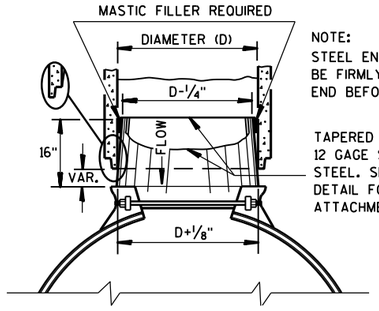
STEEL APRON ENDWALLS FOR PIPE ARCH
SLOPED SIDE DRAINS

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	——	——

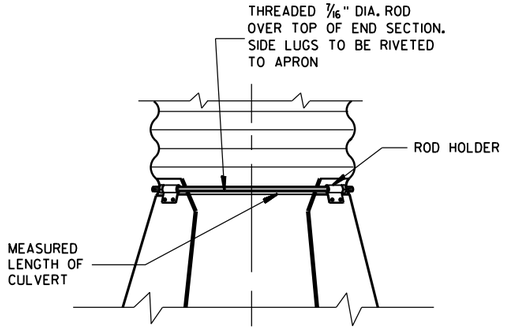
① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



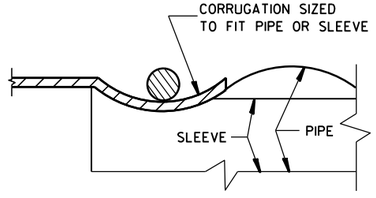
ISOMETRIC VIEW



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

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S.D.D. 8 F 7-5

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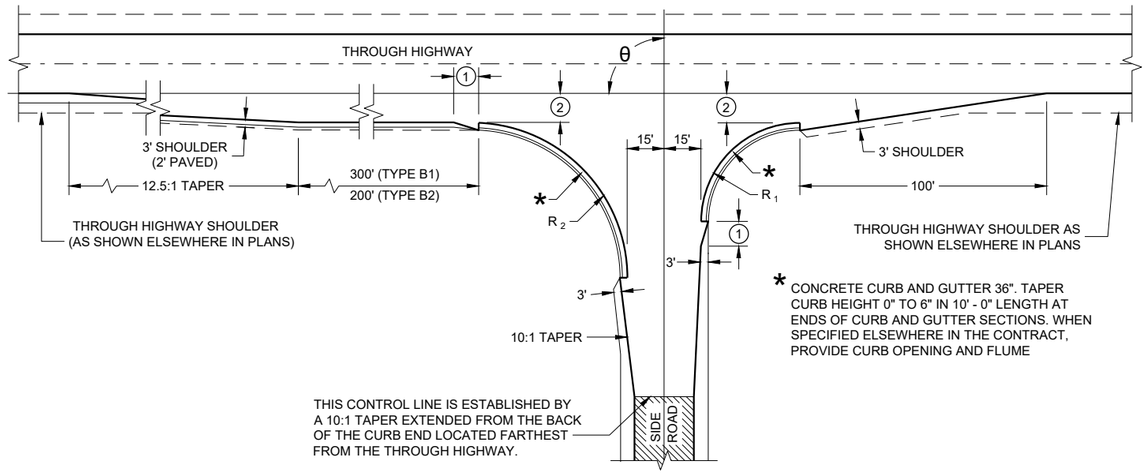
S.D.D. 8 F 7-5



* CONCRETE CURB AND GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10' - 0" LENGTH AT ENDS OF CURB AND GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME

TYPE "B1" AND "B2"

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65 - 70	35	70
71 - 80	40	70
81 - 90	40	60
91 - 100	50	55
101 - 110	60	45

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

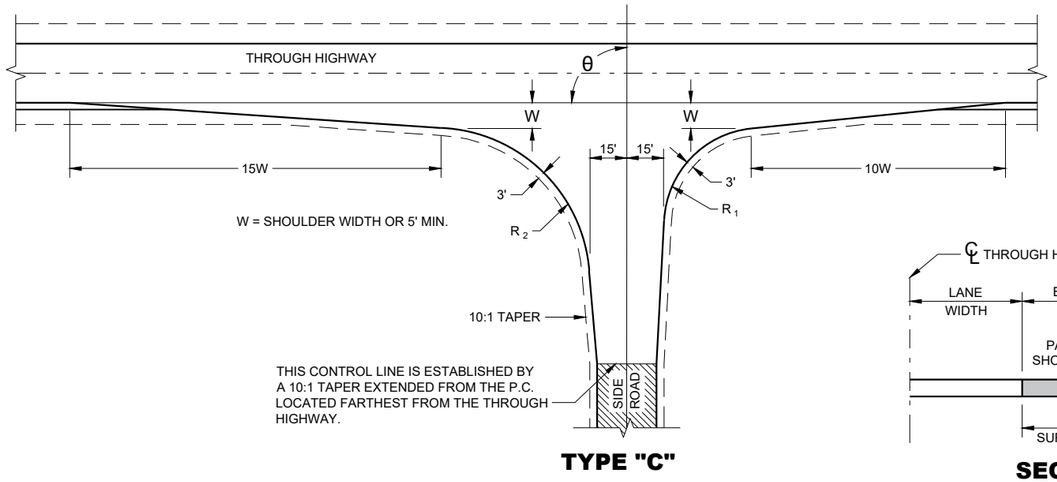
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

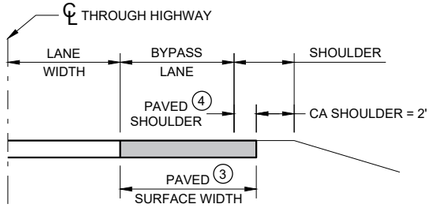
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
- ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH
- PC CONCRETE = 13-FT PLUS PAVED SHOULDER WIDTH

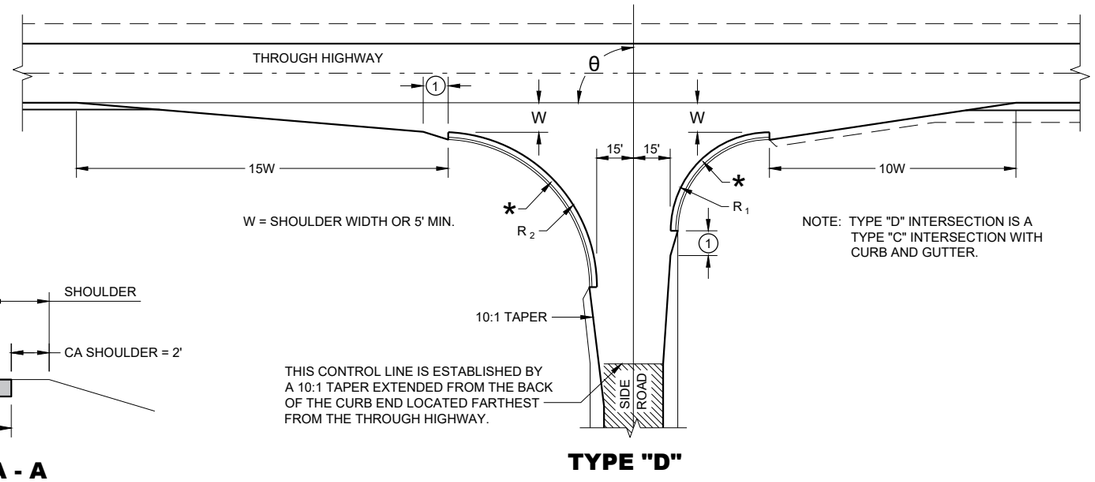
(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



TYPE "C"

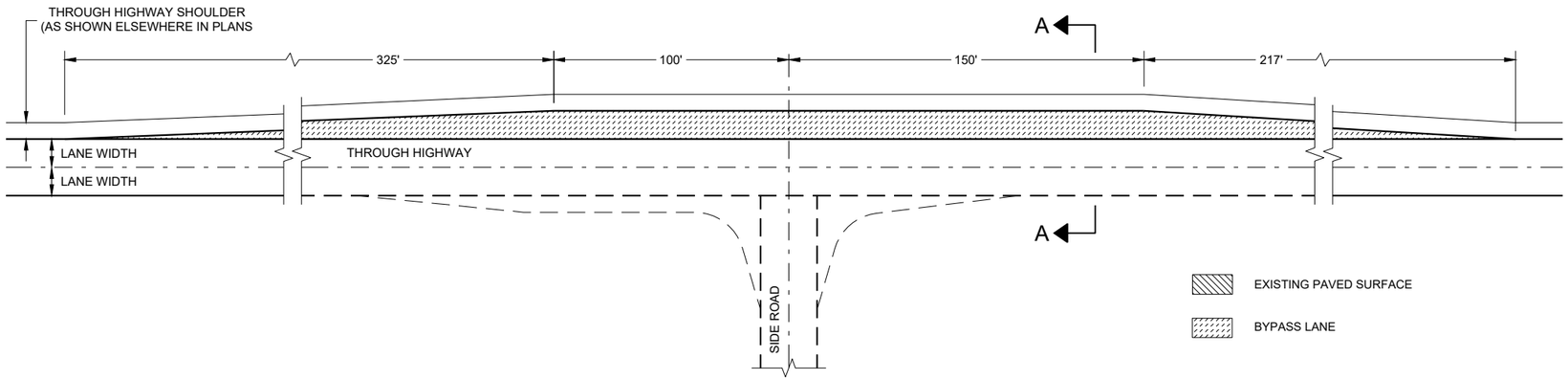


SECTION A - A
(SHOWING BYPASS LANE AND SHOULDER)



NOTE: TYPE "D" INTERSECTION IS A TYPE "C" INTERSECTION WITH CURB AND GUTTER.

TYPE "D"



TEE INTERSECTION BYPASS LANE DETAIL

AT GRADE SIDE ROAD INTERSECTION TYPES "B1", "B2", "C", "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 09A01 - 14a

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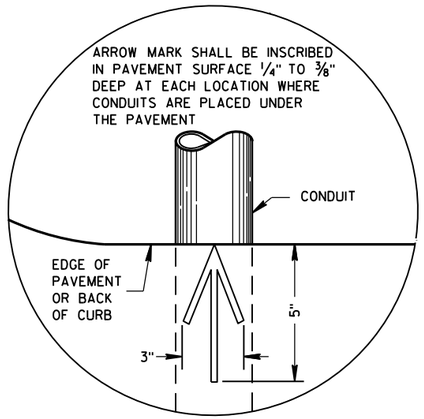
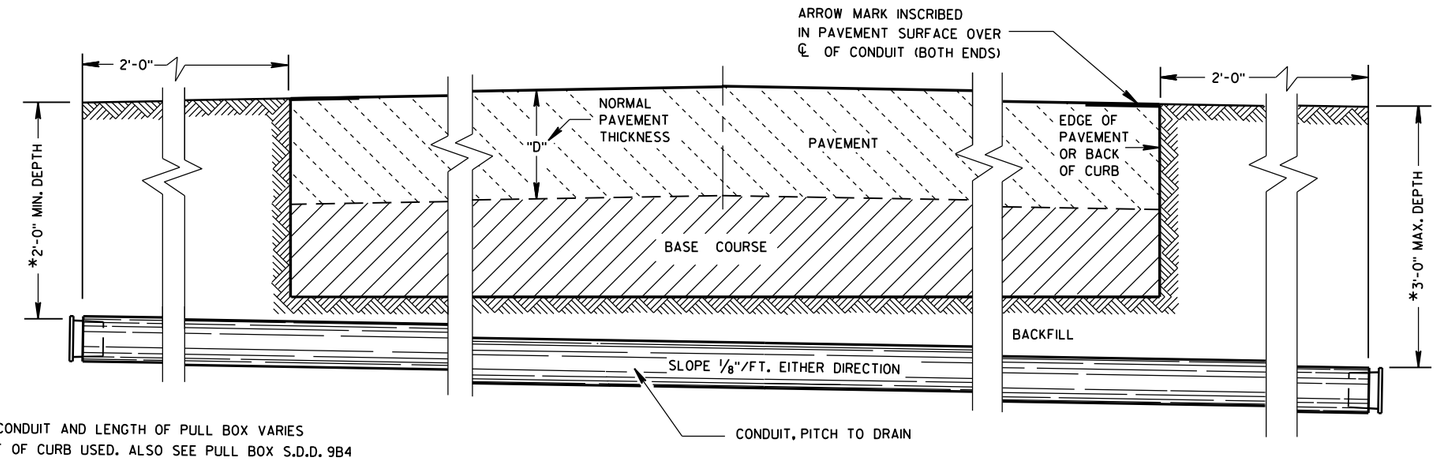
SDD 09A01 - 14a



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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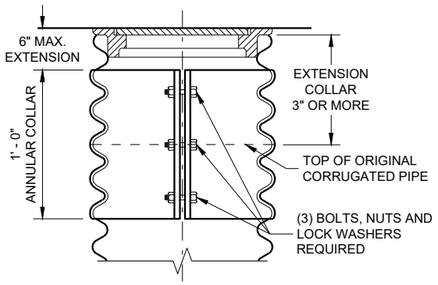
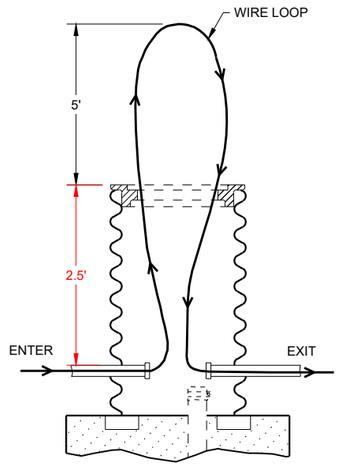
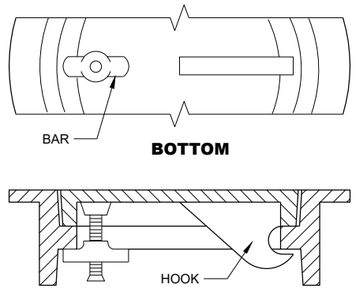


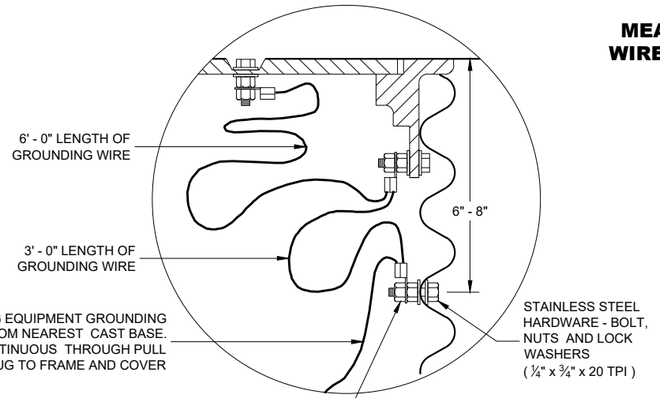
CORRUGATED PIPE EXTENDER



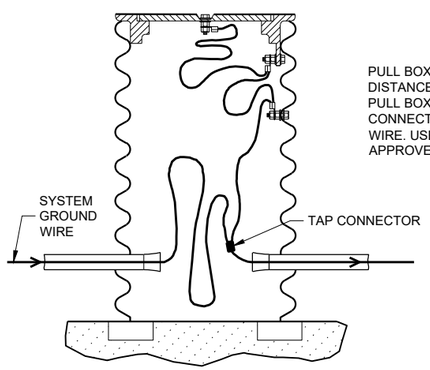
MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)
TIGHTENING BAR TYPE

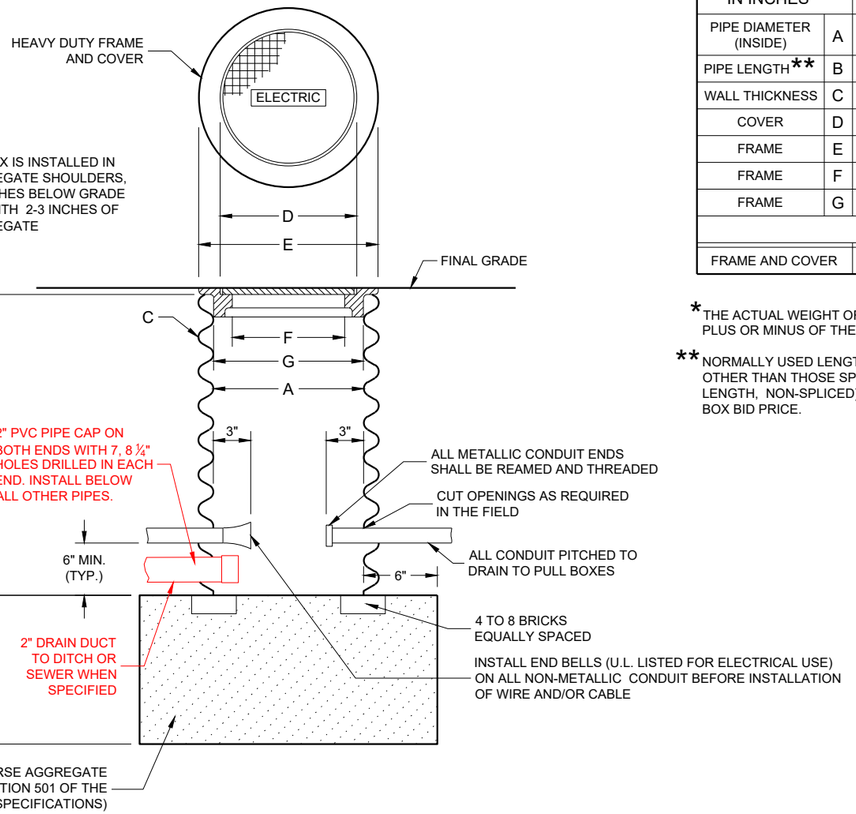


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH**	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 ¼	10 ¼	10 ¼	16 ¼	16 ¼	16 ¼	22 ¼	22 ¼	22 ¼
FRAME	E	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
FRAME	F	8 ½	8 ½	8 ½	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½
FRAME	G	11 ½	11 ½	11 ½	17 ½	17 ½	17 ½	23 ½	23 ½	23 ½
WEIGHT IN POUNDS*										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

*THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

**NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 342

FHWA

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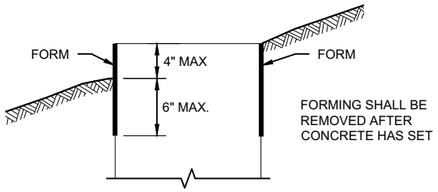
SDD 09B04 -12

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

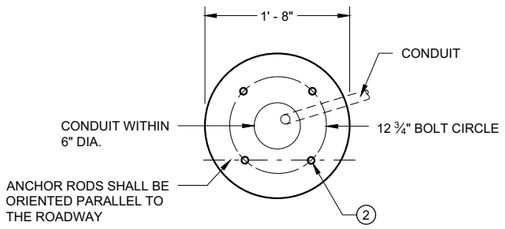
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

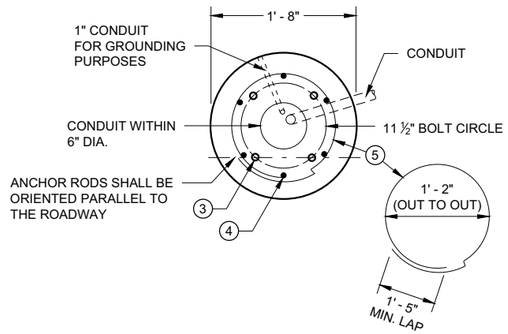
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

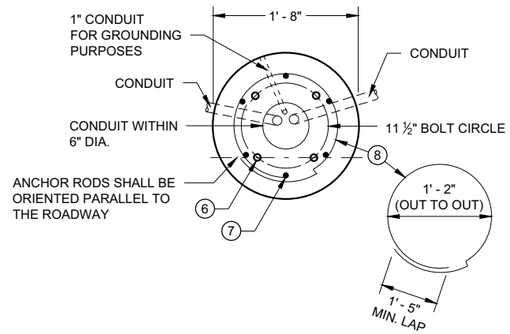
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

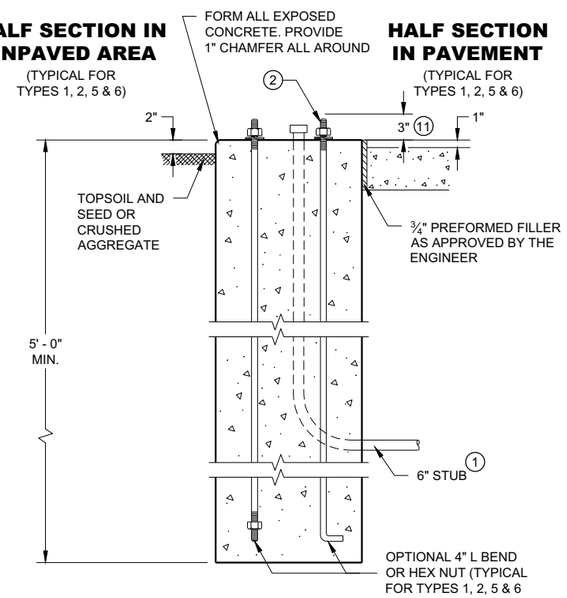
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

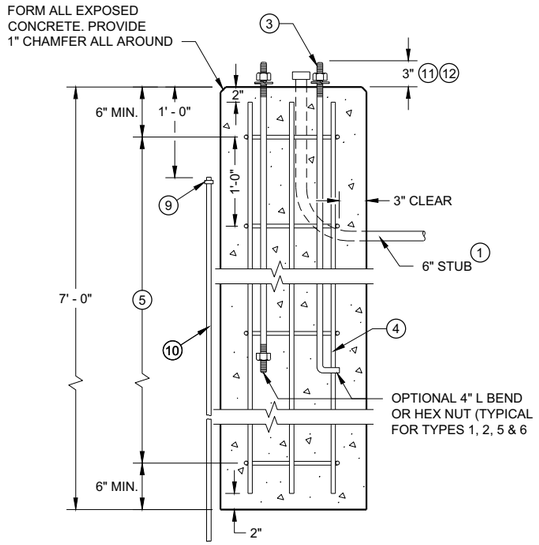
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

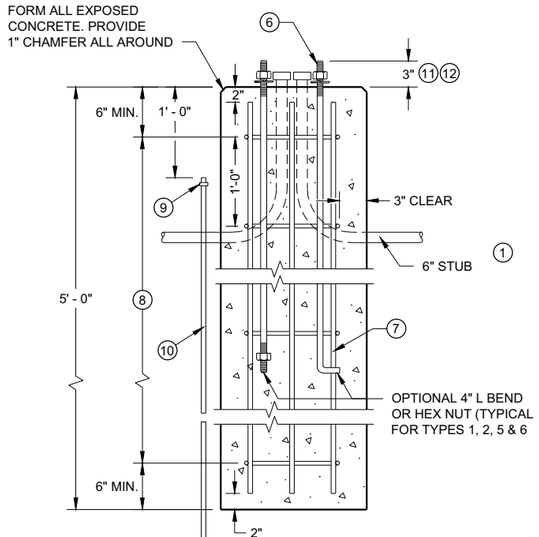
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

6
SDD 09C02 - 09

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

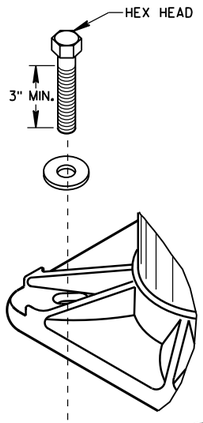
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

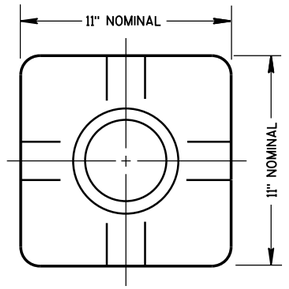
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

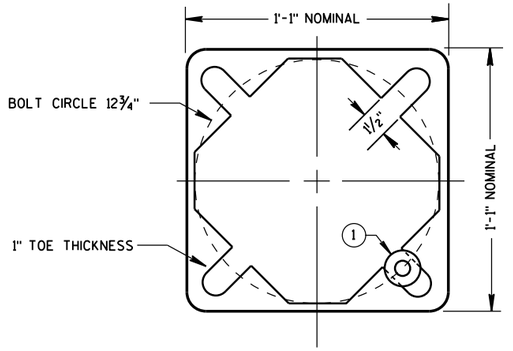
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

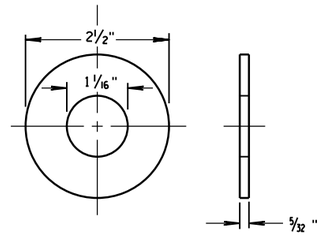




TOP VIEW
(PEDESTAL BASE)

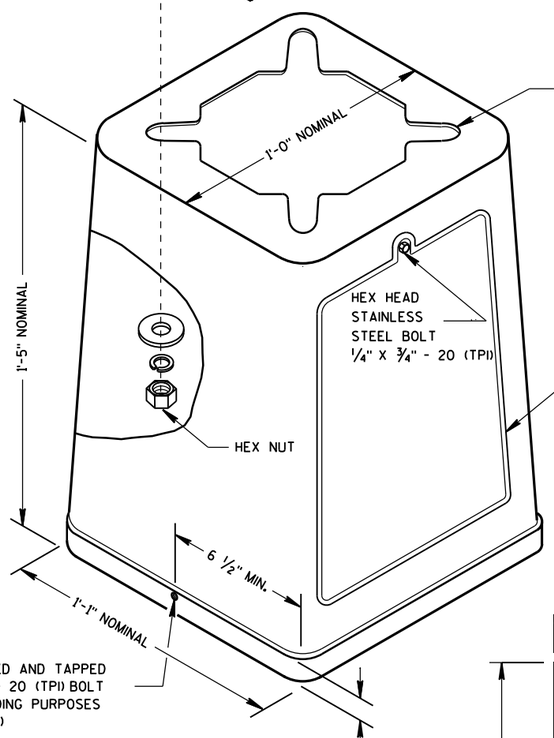


BOTTOM VIEW
(PEDESTAL BASE)

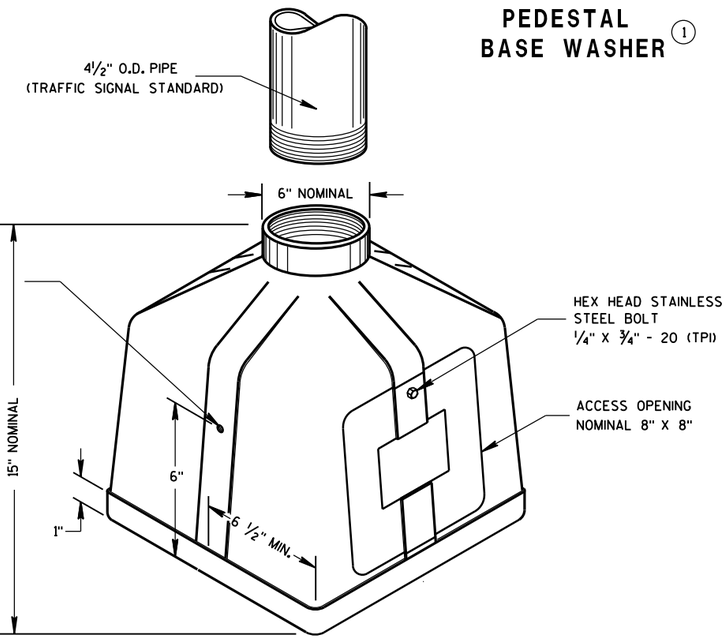


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

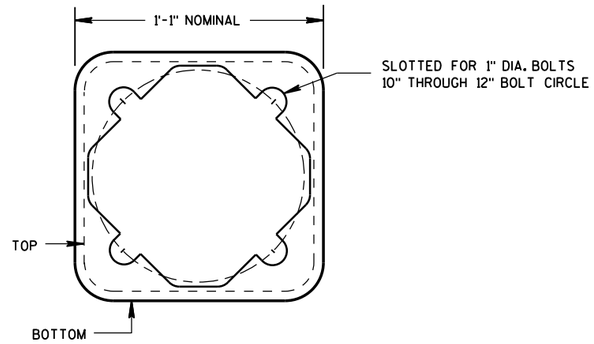
PEDESTAL BASE WASHER (1)



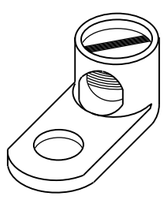
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

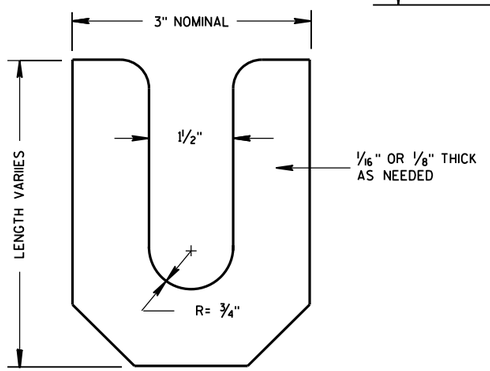


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 C 3-4

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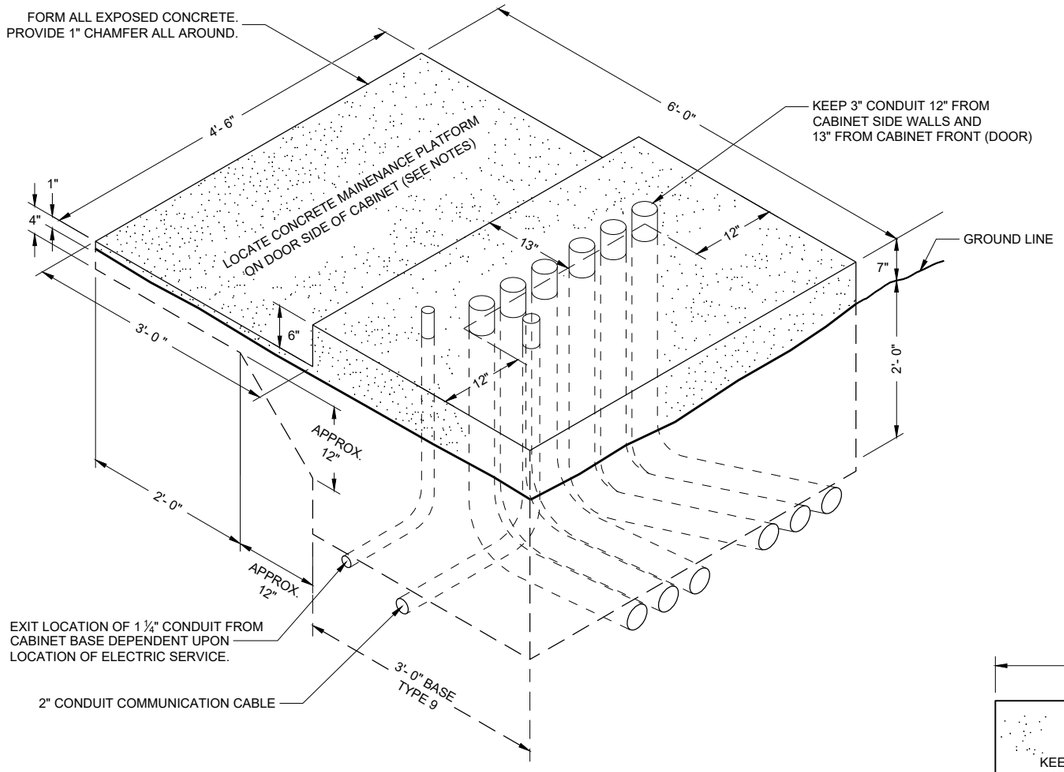
S.D.D. 9 C 3-4

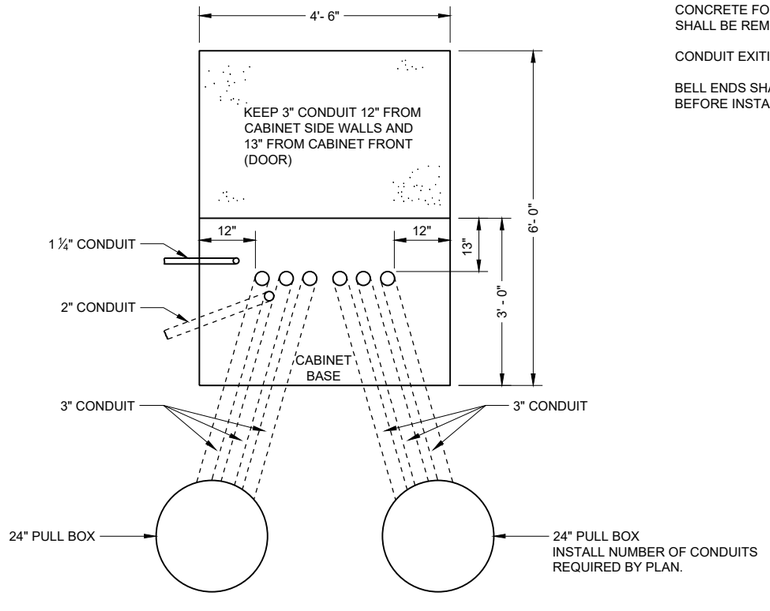
SDD 09C06 Concrete Control Cabinet Base, Type 9, Special



ISOMETRIC VIEW

TYPE 9 SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9 SPECIAL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE (SIX 3") SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 345

FHWA

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SDD 09C06 - 07

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SDD 09C06 - 07

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

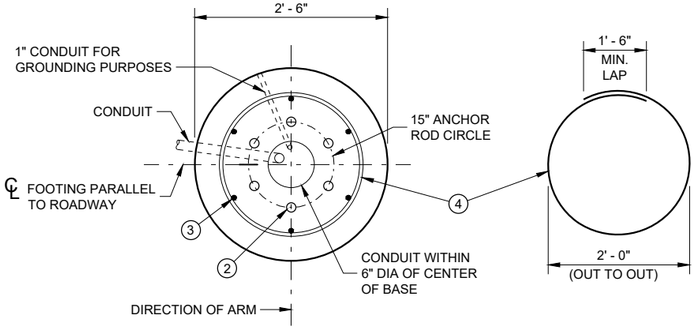
(2) (6) 1 ½ DIA. X 4' - 4" ANCHOR RODS

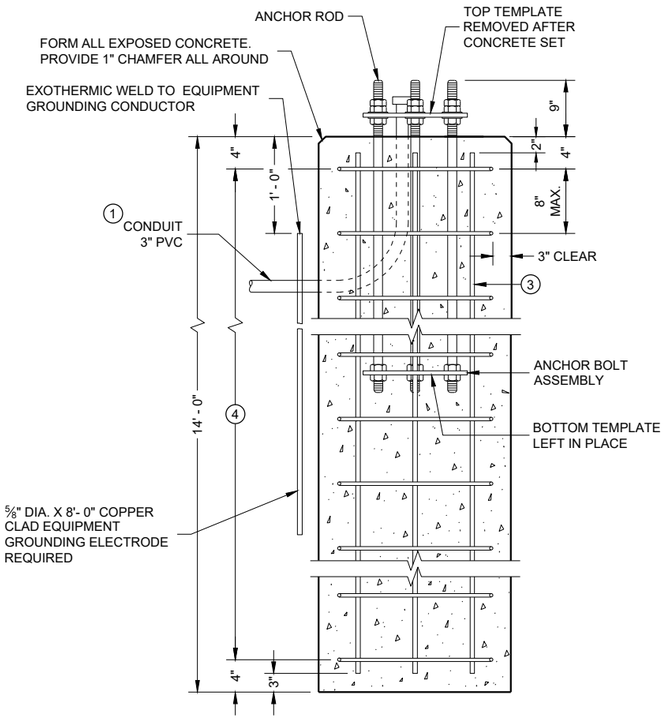
(3) (6) NO. 6 X 13' - 7" BAR STEEL REINFORCEMENT.

(4) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE .....fy = 55,000 p.s.i.
WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.

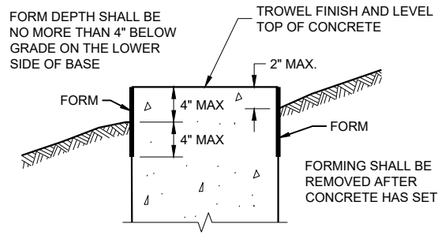
QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	172
LBS. OF VERTICAL BAR STEEL	122



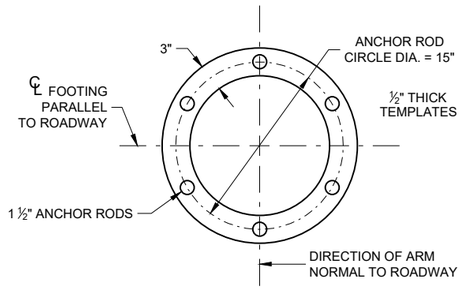


CONCRETE BASE, TYPE 10
(FOR TYPE 9, TYPE 10 AND OVER HEIGHT (OH) POLES)

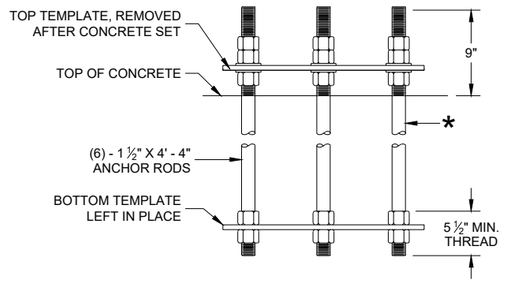
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE SDD 9C13 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demerbilek — WIND LOADED STRUCTU PROGRAM LEADER
FHWA

6

SDD 09C11 - 10

6

SDD 09C11 - 10

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES (SHAFT), BELOW THE WING, SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4 ½ INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1-INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4-FOOT COIL OF WIRE ABOVE THE CONCRETE BASE, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES, (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

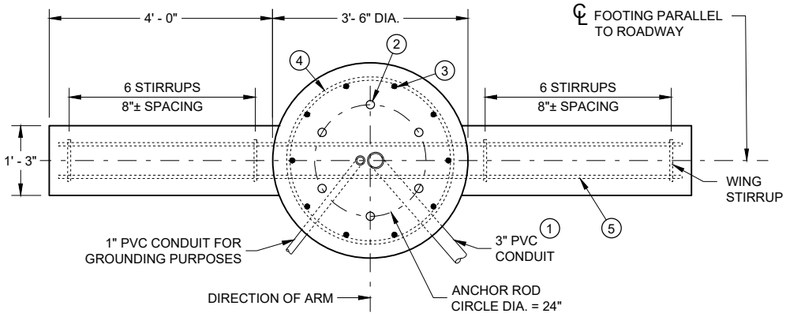
(2) (6) 1 ¾" DIA. X 7' - 2" ANCHOR RODS

(3) (10) NO. 6 X 14' - 1" BAR STEEL VERTICAL REINFORCEMENT.

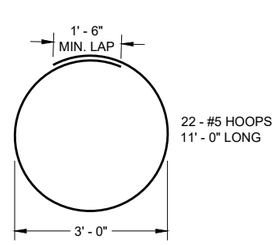
(4) (22) NO. 5 X 11'- 0" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

(5) (10) NO. 5 X 11' - 0" BAR STEEL HORIZONTAL REINFORCEMENT

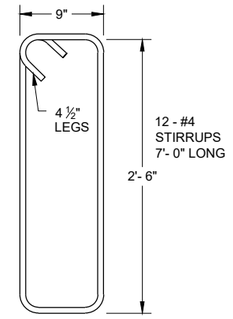
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE .....fy = 55,000 p.s.i.
WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



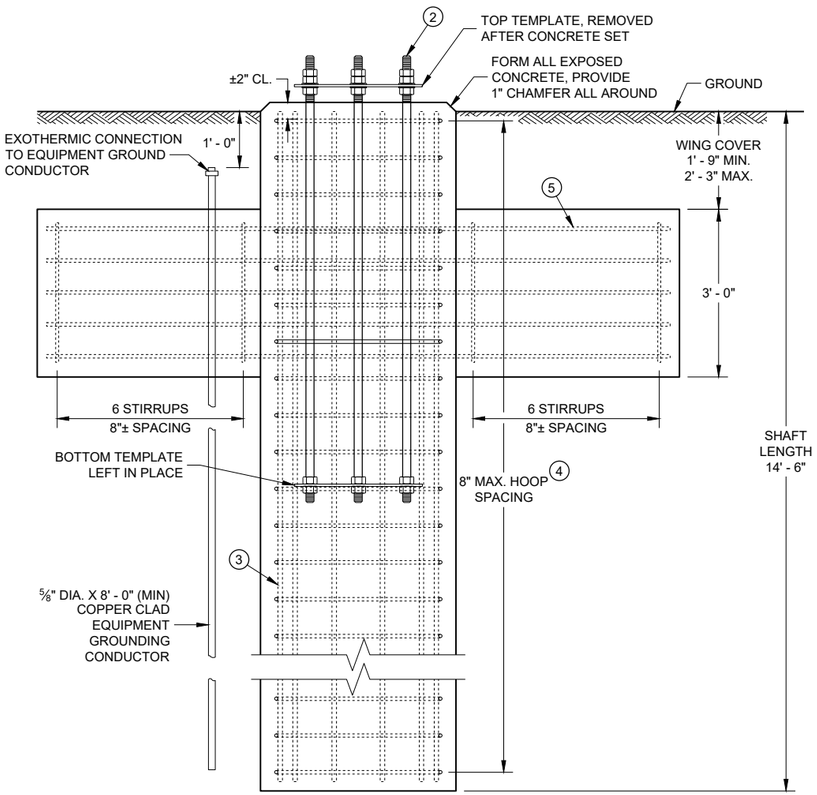
PLAN VIEW



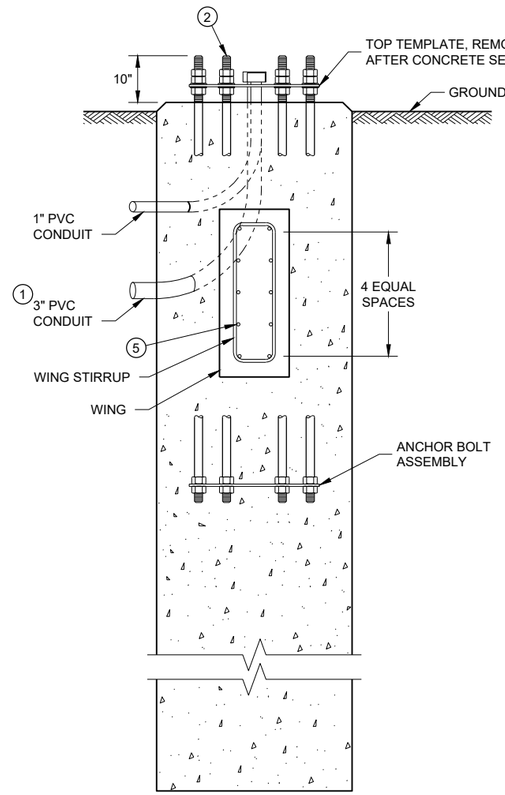
HOOP DETAIL



WING STIRRUP DETAIL



ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



(HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY)

CONCRETE BASE, TYPE 13
(FOR TYPE 12, TYPE 13 AND OVER HEIGHT (OH) POLES)

CONCRETE = 6.3 CUBIC YARD
H.S. REINFORCEMENT = 635 LBS.

TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE 9C13 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION

CONCRETE BASE TYPE 13

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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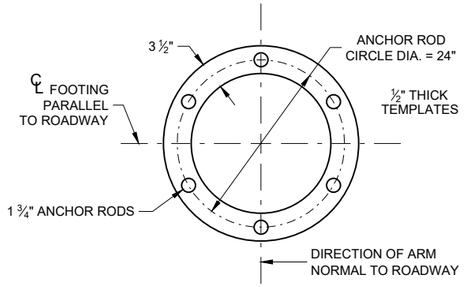
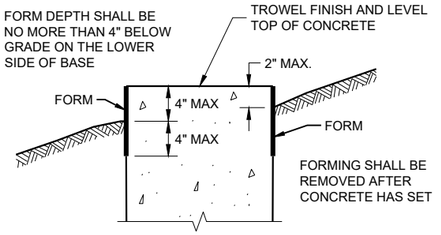
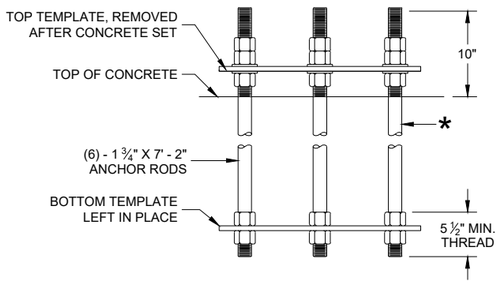
SDD 09C12 - 09a



TOP AND BOTTOM TEMPLATE



FORMING DETAIL



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 11" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

CONCRETE BASE TYPE 13

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017
DATE
/S/ Ahmet Demirbilek
WIND LOADED STRUCTU
PROGRAM LEADER
FHWA

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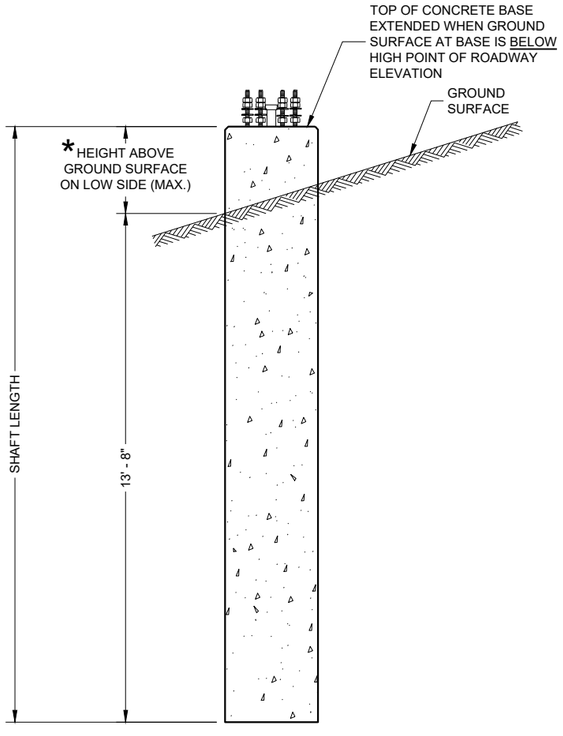
SDD 09C12 - 09b

REINFORCEMENT AND CONCRETE QUANTITIES ADJUSTED FOR EXTENDED TYPE 10 CONCRETE BASE

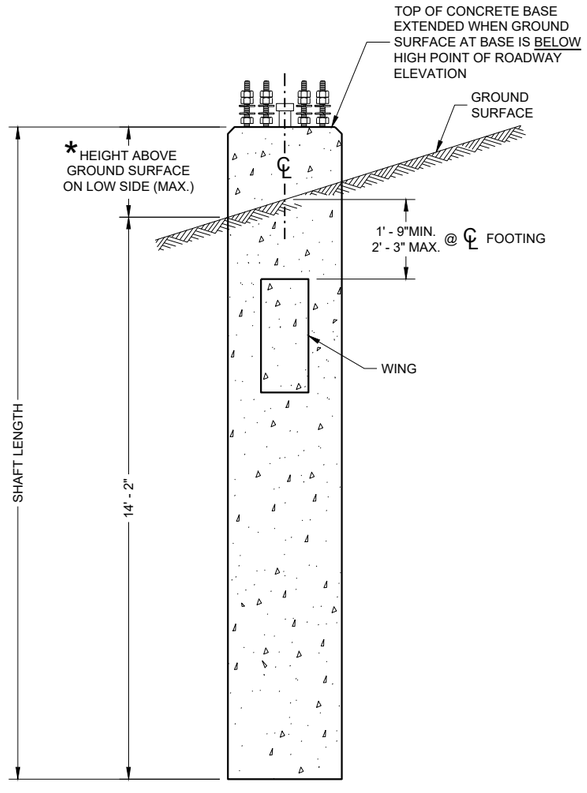
HEIGHT INCREASE REQUIRED	*HEIGHT ABOVE GROUND SURFACE ON LOW SIDE (MAX.)	SHAFT LENGTH	LENGTH OF #6 VERTICAL REINF.	NO. OF #5 HOOPS	CU. YD. OF CONCRETE	LBS. OF HOOP BAR STEEL	LBS. OF VERTICAL STEEL
>0" TO 6"	10"	14' - 6"	14' - 1"	22	2.6	180	127
>6" TO 1' - 0"	1' - 4"	15' - 0"	14' - 7"	23	2.7	188	131
>1' - 0" TO 1' - 6"	1' - 10"	15' - 6"	15' - 1"	24	2.8	196	136
>1' - 6" TO 2 - 0"	2' - 4"	16' - 0"	15' - 7"	24	2.9	196	141



CONCRETE BASE TYPE 10 (EXTENDED)

REINFORCEMENT AND CONCRETE QUANTITIES ADJUSTED FOR EXTENDED TYPE 13 CONCRETE BASE

HEIGHT INCREASE REQUIRED	*HEIGHT ABOVE GROUND SURFACE ON LOW SIDE (MAX.)	SHAFT LENGTH	LENGTH OF #6 VERTICAL REINF.	NO. OF #5 HOOPS	CU. YD. OF CONCRETE	LBS. OF H.S. BAR STEEL
>0" TO 6"	10"	15' - 0"	14' - 7"	23	6.5	654
>6" TO 1' - 0"	1' - 4"	15' - 6"	15' - 1"	24	6.6	673
>1' - 0" TO 1' - 6"	1' - 10"	16' - 0"	15' - 7"	24	6.8	680
>1' - 6" TO 2 - 0"	2' - 4"	16' - 6"	16' - 1"	25	7.0	699



CONCRETE BASE TYPE 13 (EXTENDED)

CONCRETE BASE TYPE 10 AND TYPE13 EXTENSION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

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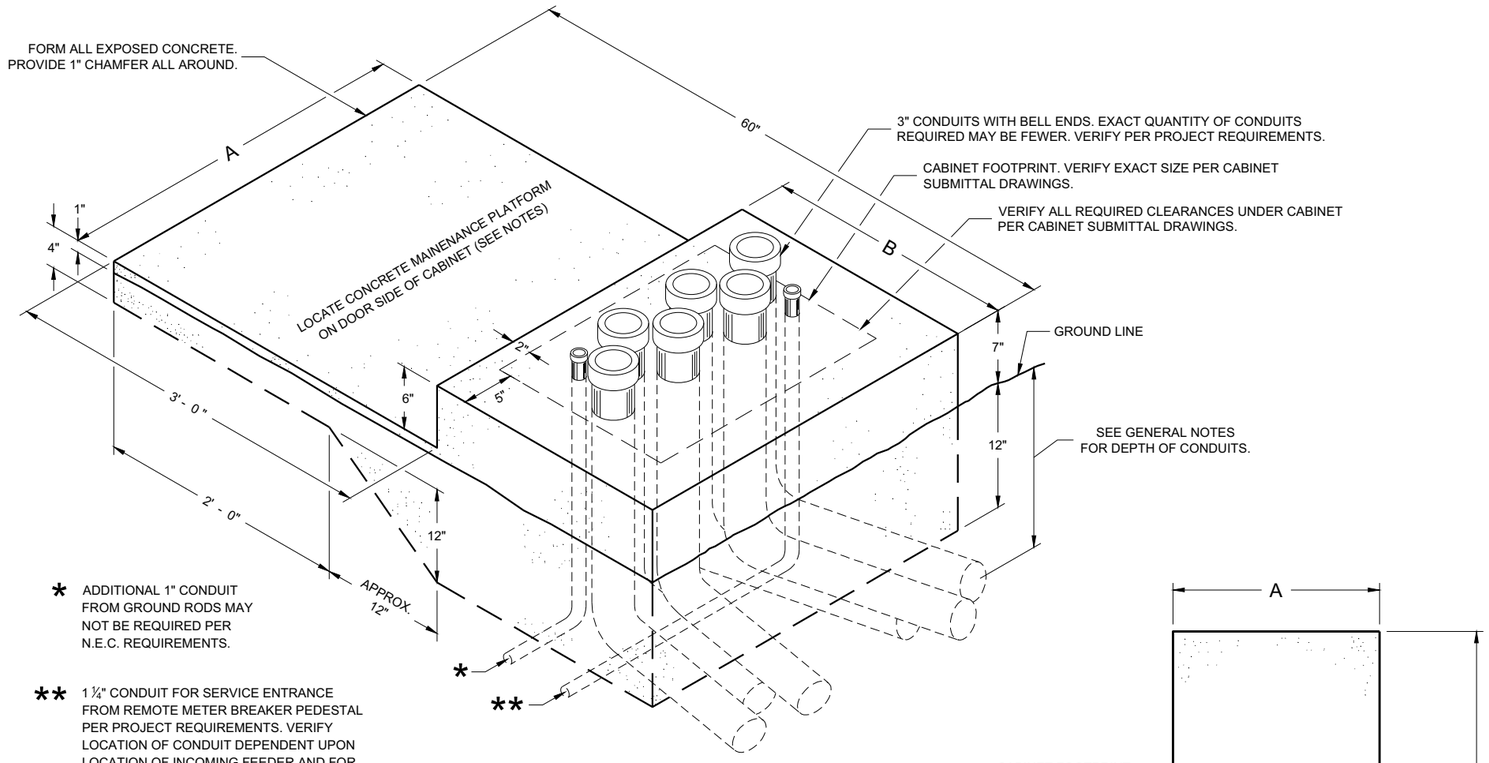


* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

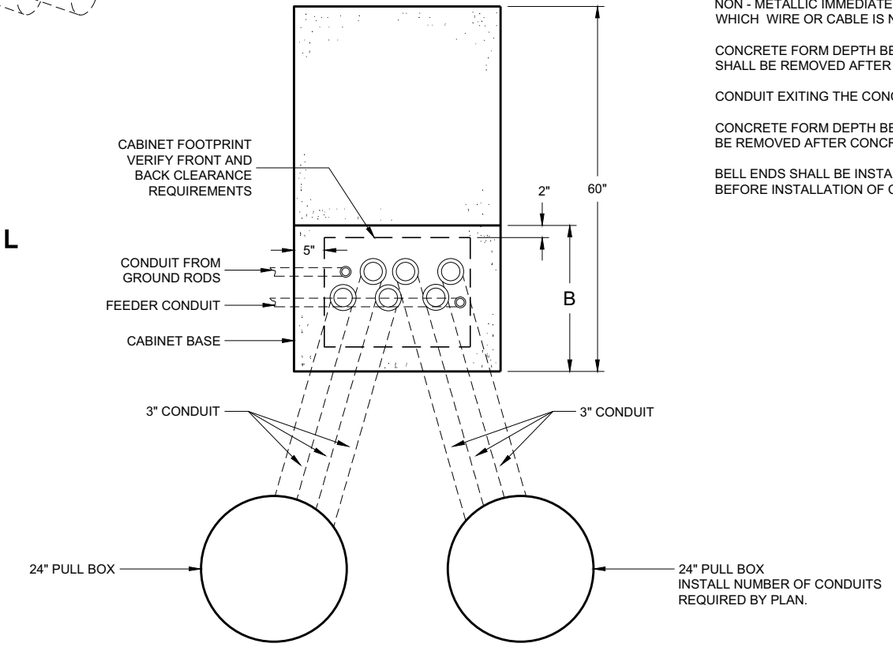
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 350

FHWA

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SDD 09C14 - 03

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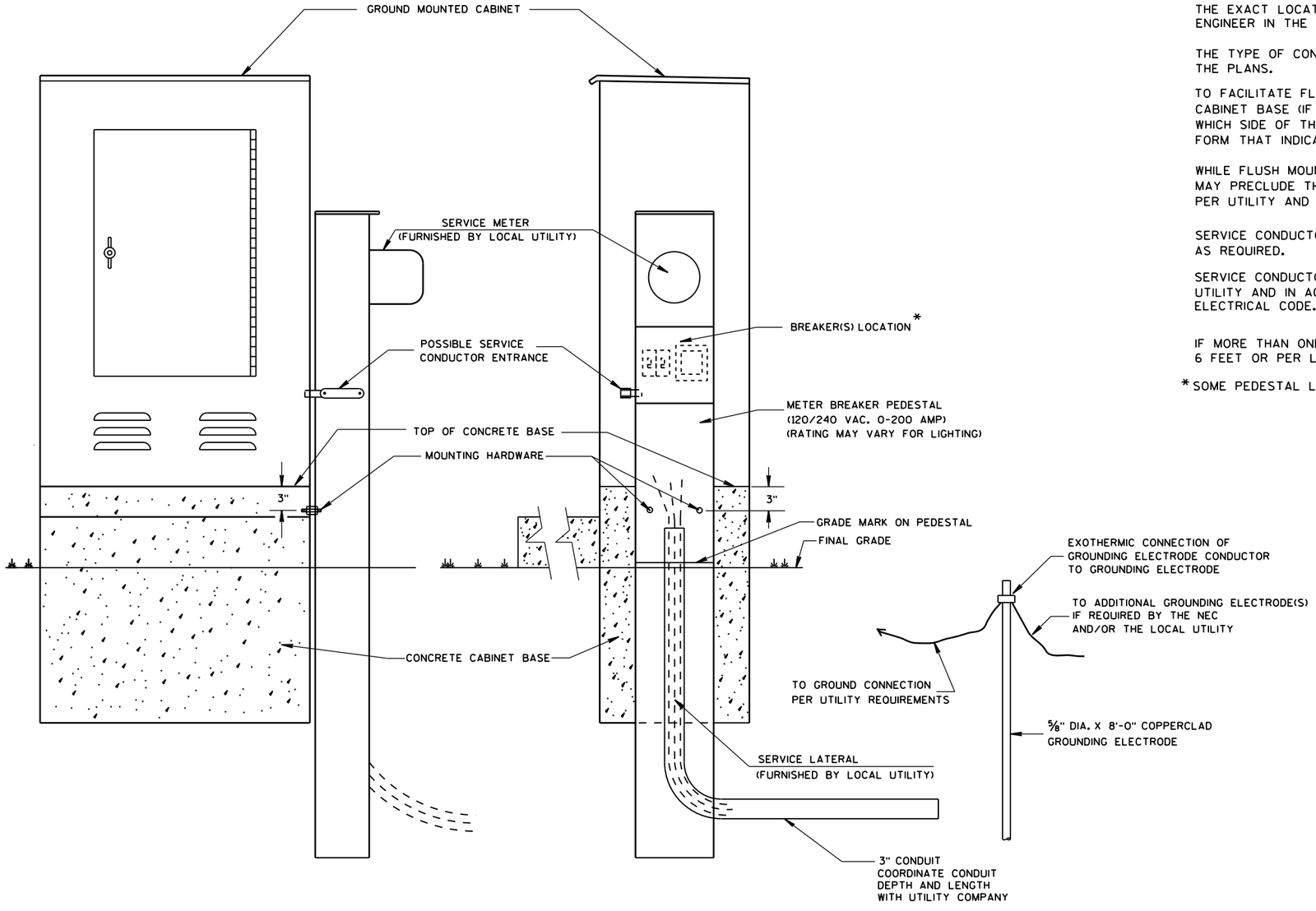
SDD 09C14 - 03



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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S.D.D. 9 D 1-5

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S.D.D. 9 D 1-5

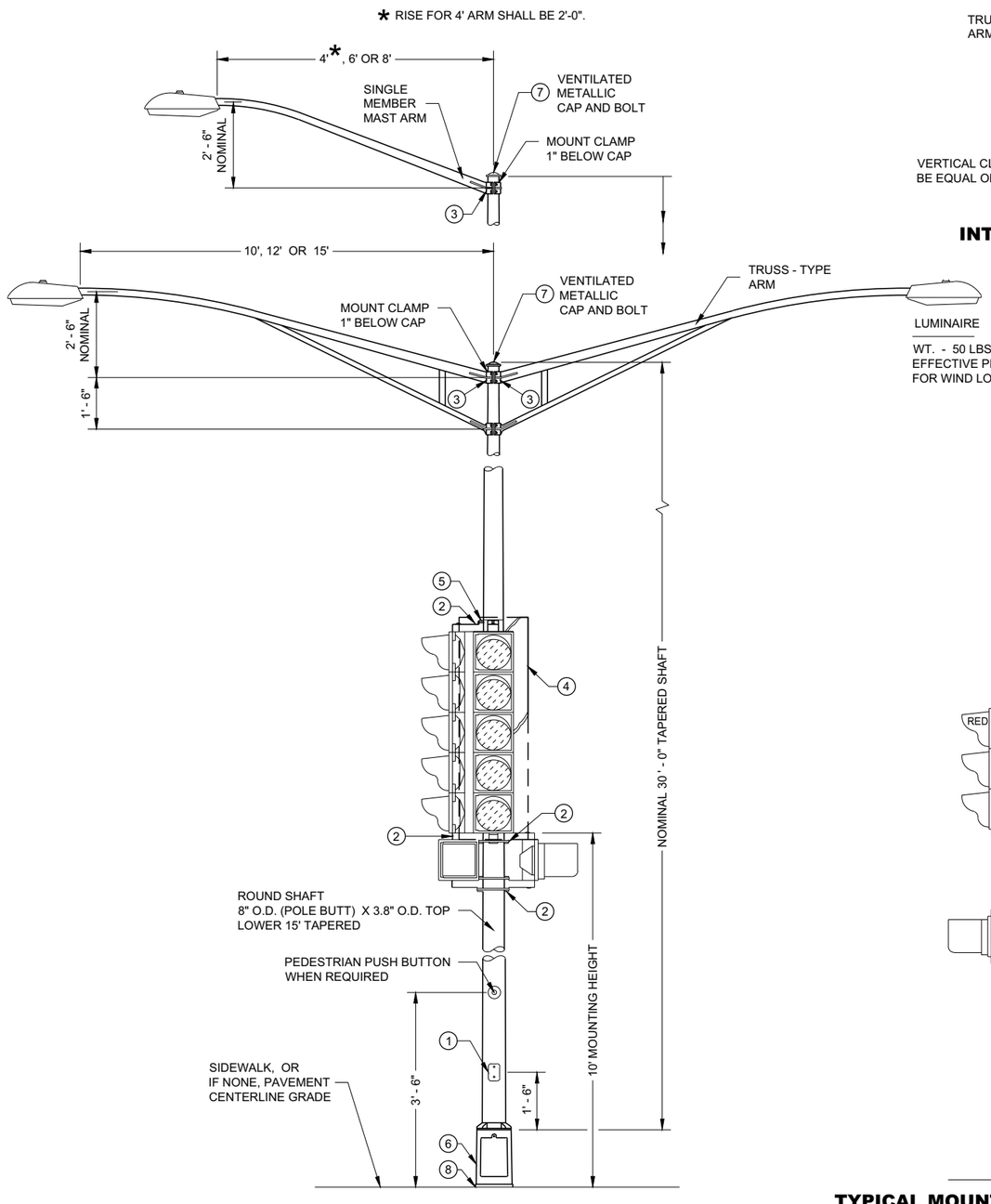
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

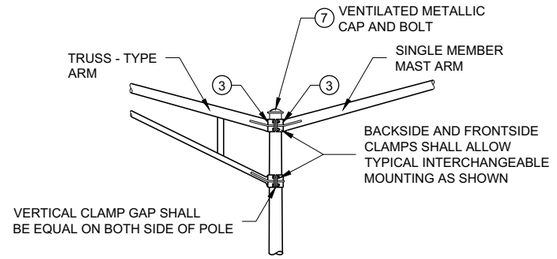
APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA



(MAXIMUM LOAD)



INTERCHANGEABLE MOUNTING DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 4 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL WITH A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

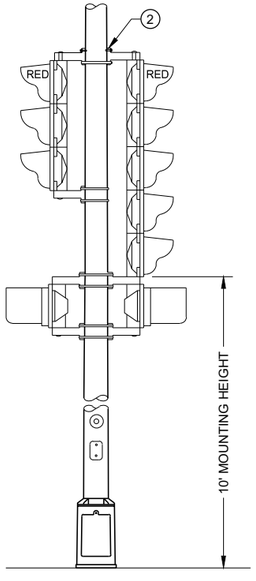
(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

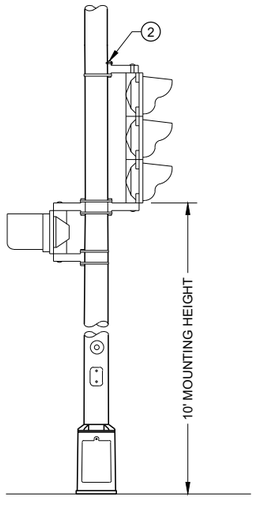
(7) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(8) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

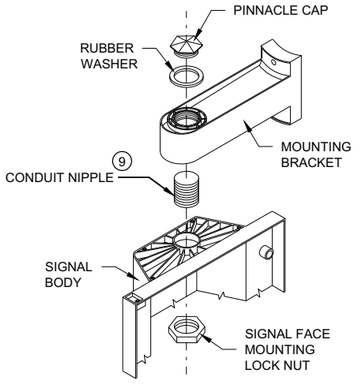
(9) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TYPE 4 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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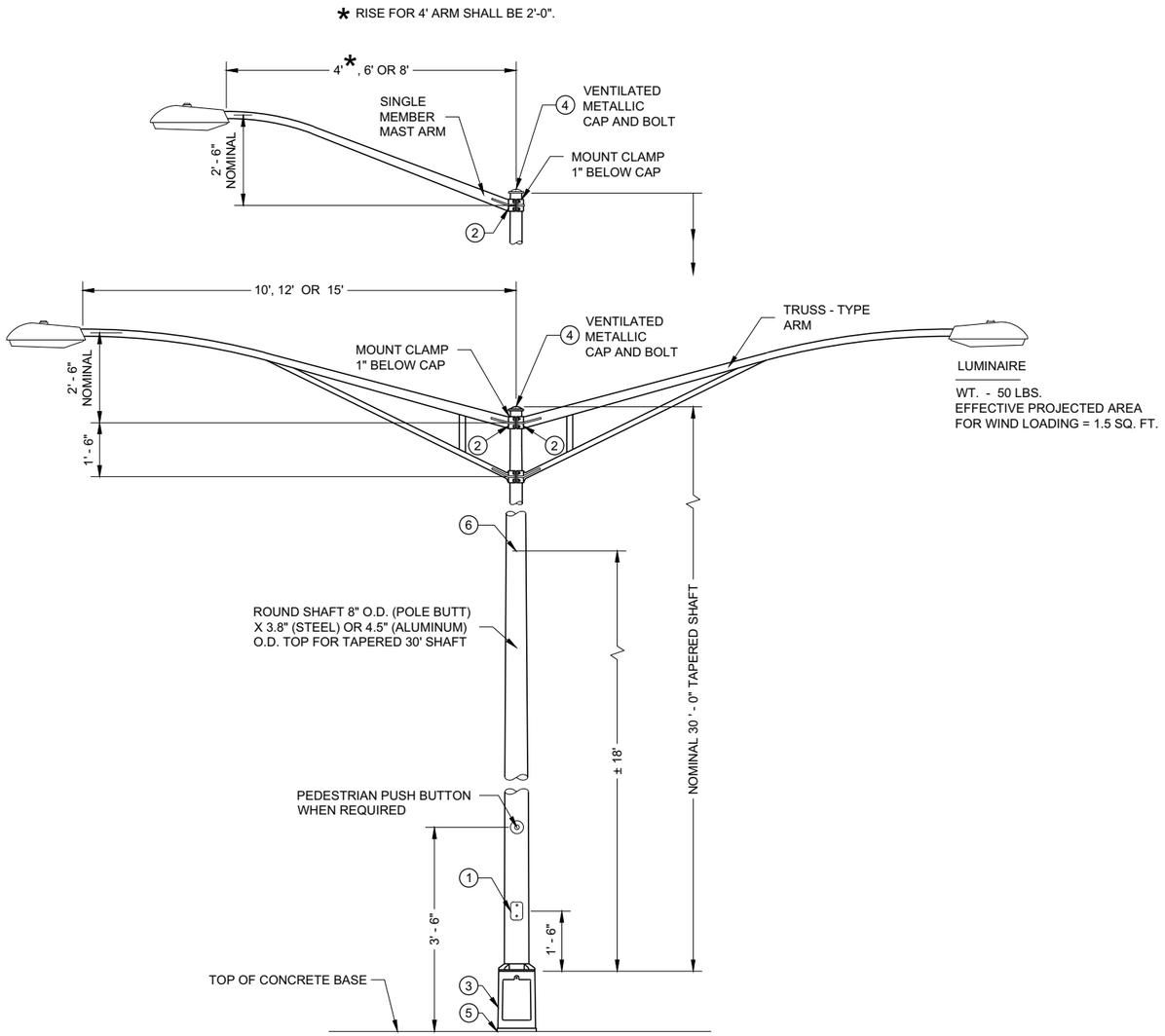
SDD 09E01 - 15c

SDD 09E01 - 15c



TYPE 5 POLE MOUNTING CONFIGURATION

(MAXIMUM LOAD)

LIGHTING ONLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

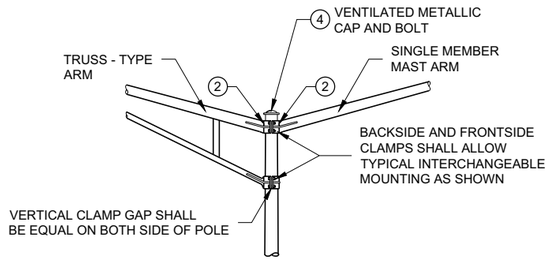
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

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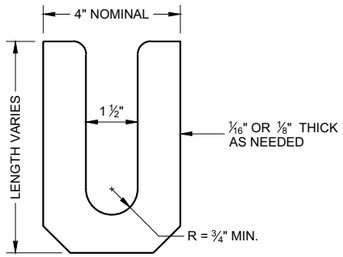
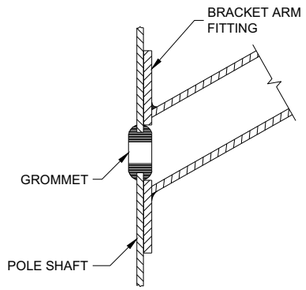
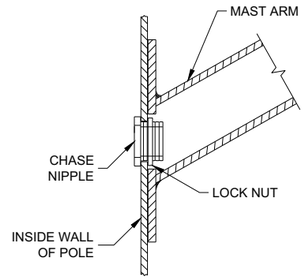
SDD 09E01 - 15d



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

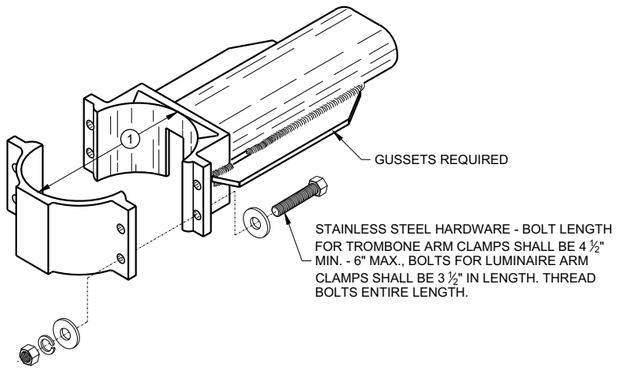
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

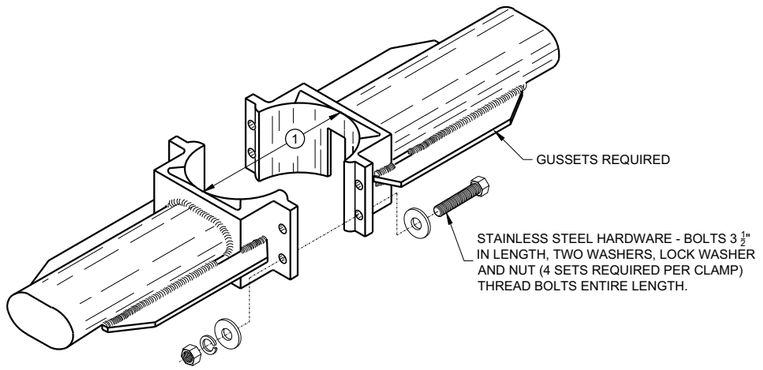
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

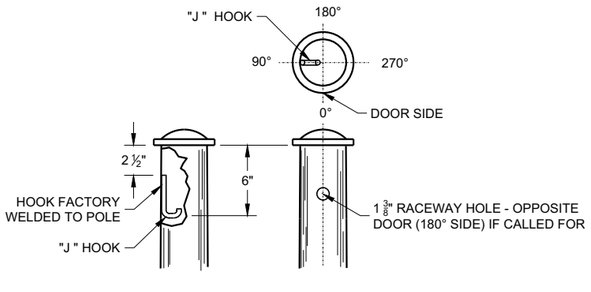
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



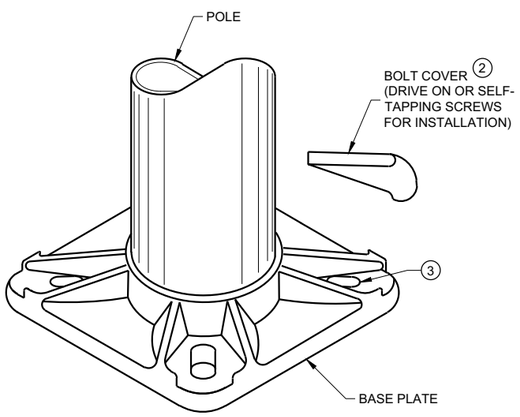
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



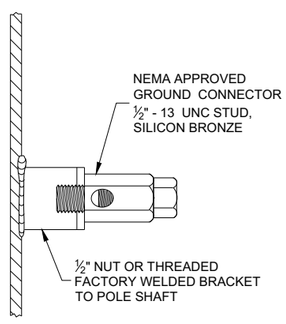
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

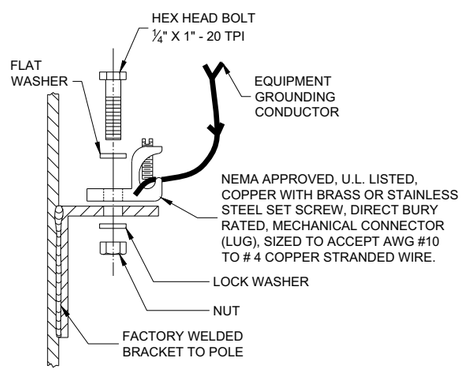


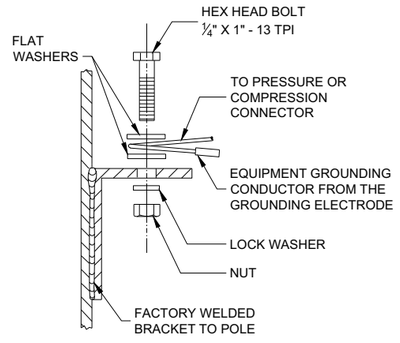
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 354

FHWA

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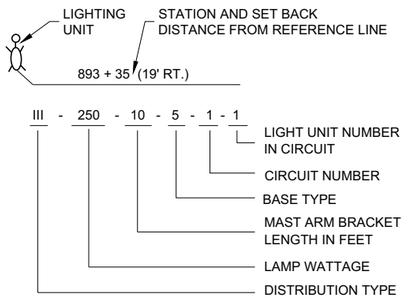
SDD 09E01 - 15g

GENERAL NOTES

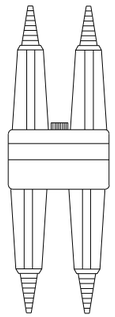
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

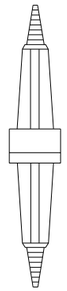
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



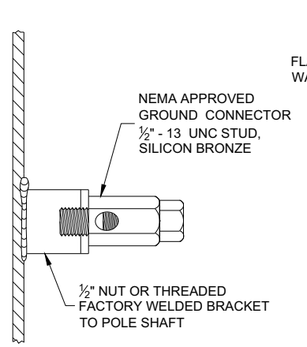
LIGHTING UNIT CODE
(TYPICAL)



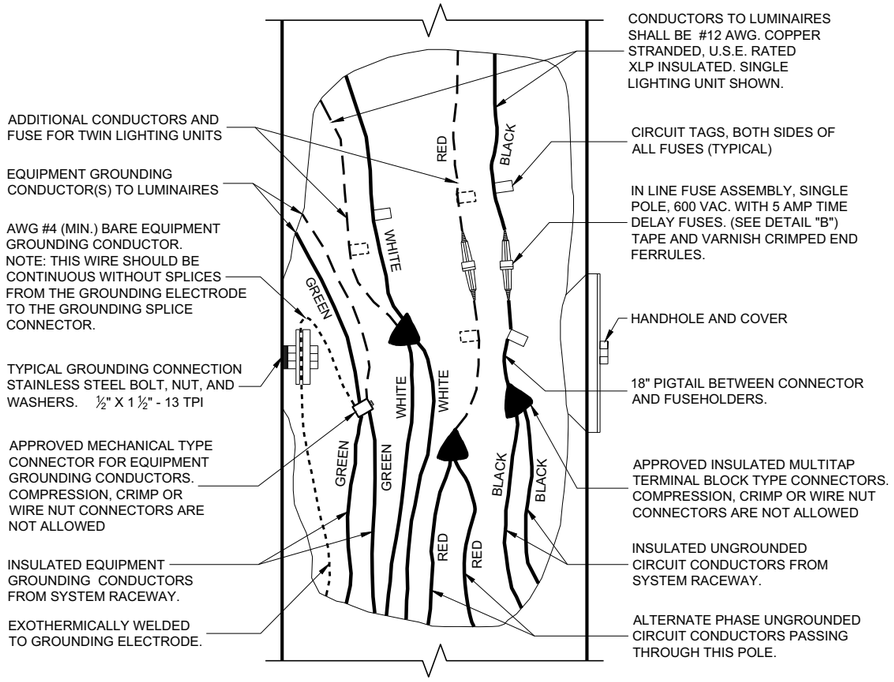
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



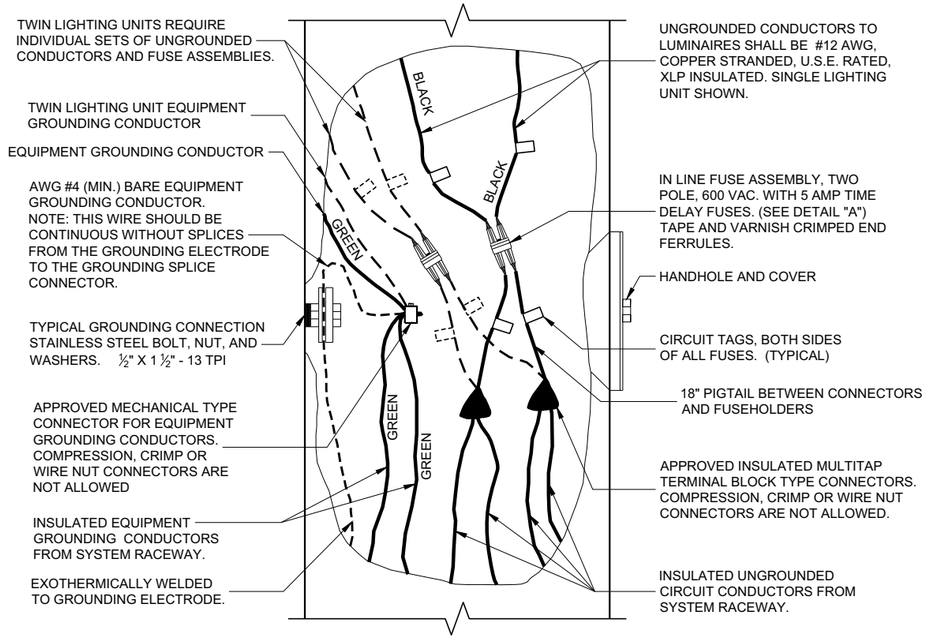
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 355

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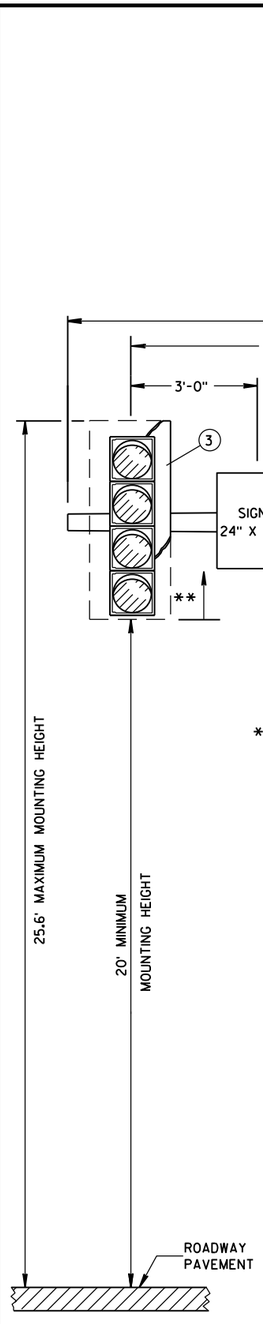
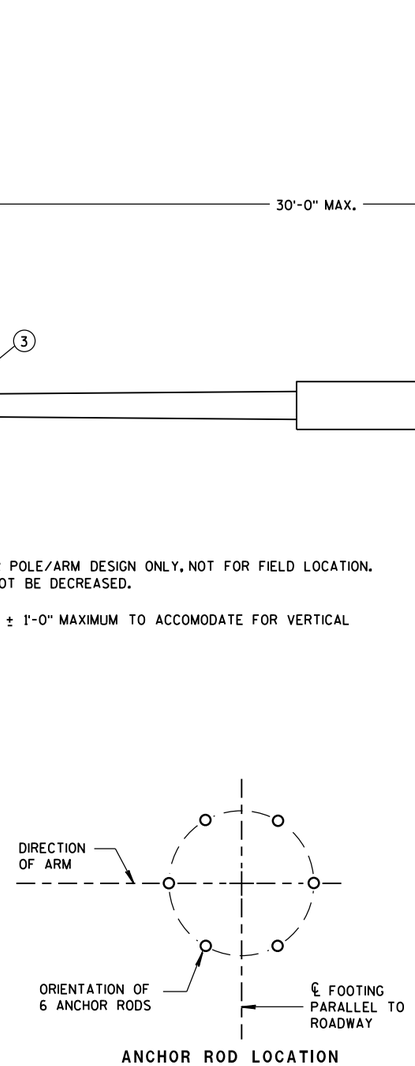
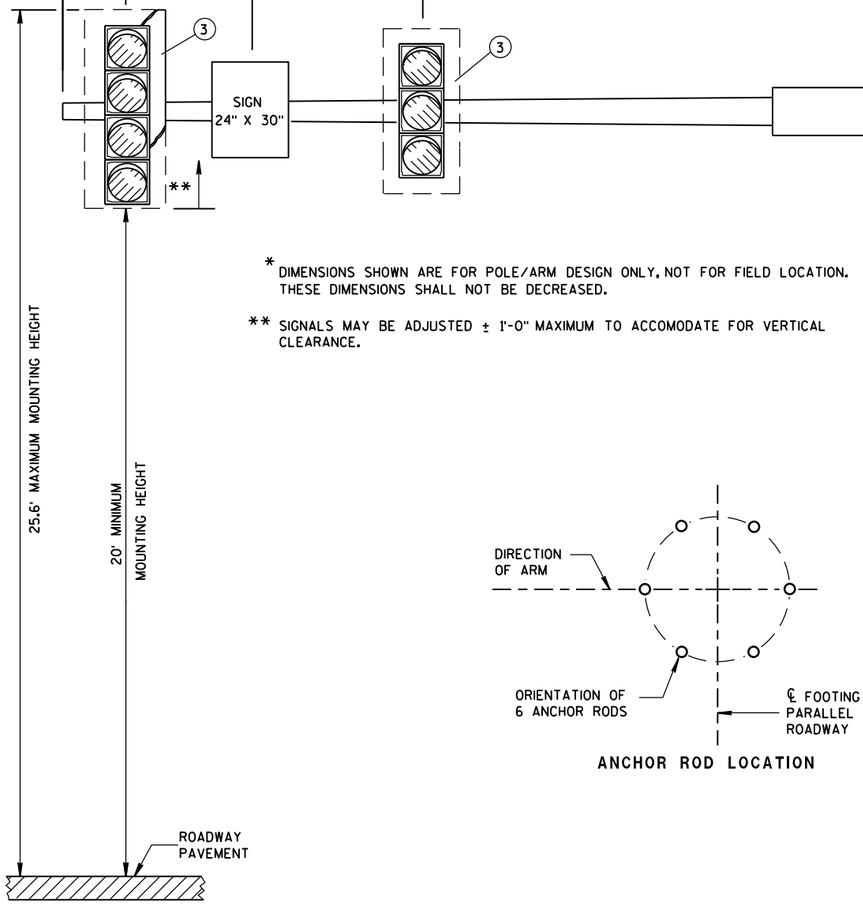


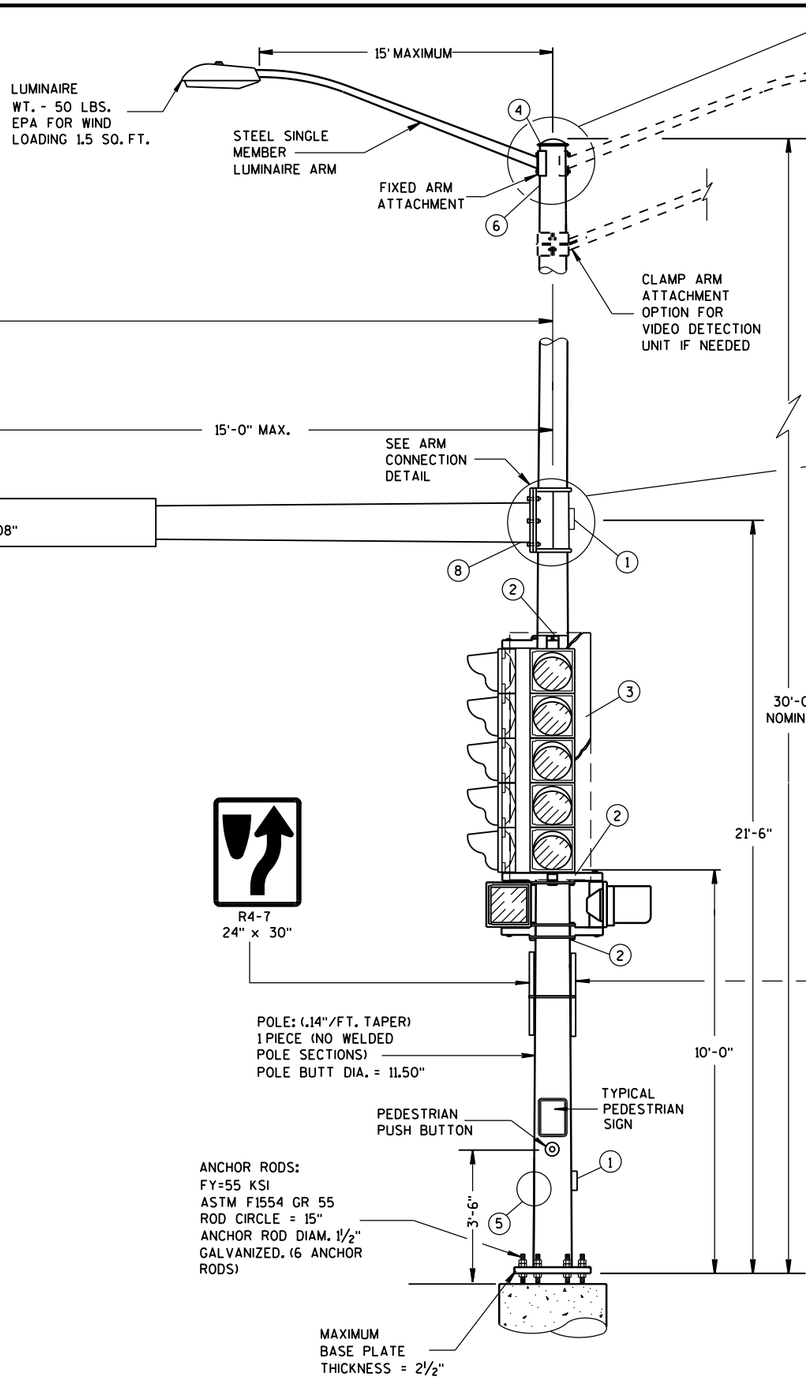


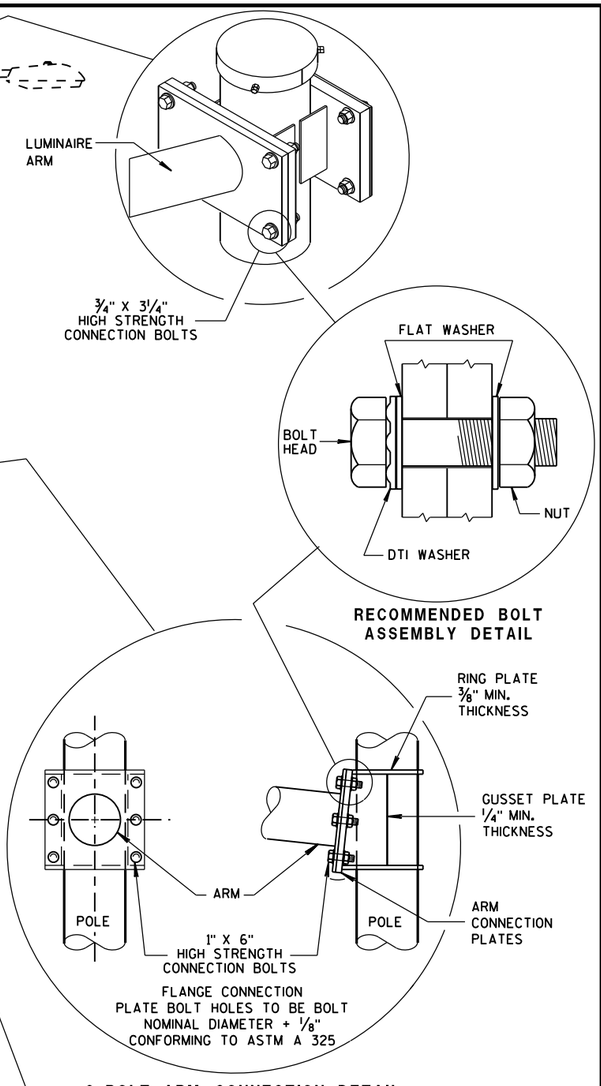
ANCHOR ROD LOCATION



* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

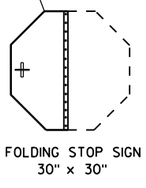
** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.





RECOMMENDED BOLT ASSEMBLY DETAIL

6 BOLT ARM CONNECTION DETAIL



(MAXIMUM LOAD)

OVER HEIGHT TYPE 10 POLE
15'- 30' MONOTUBE ARM

OVER HEIGHT TYPE 10 POLE
15' - 30' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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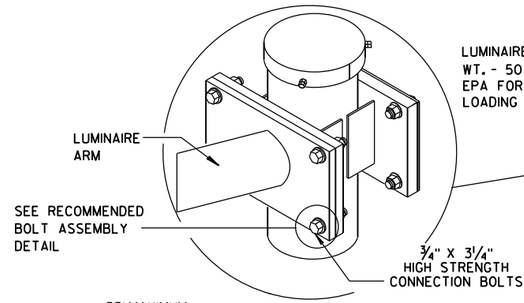
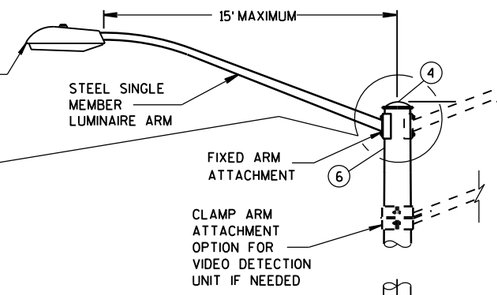
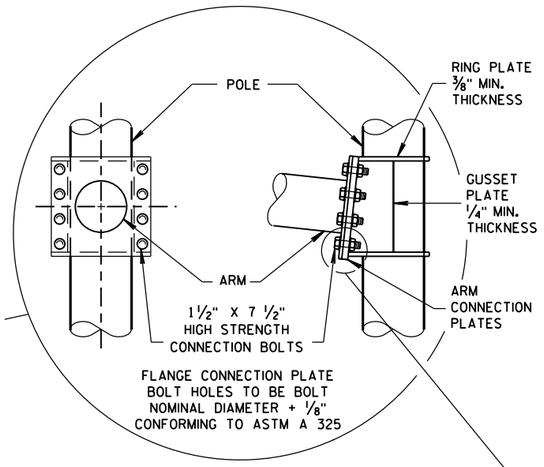
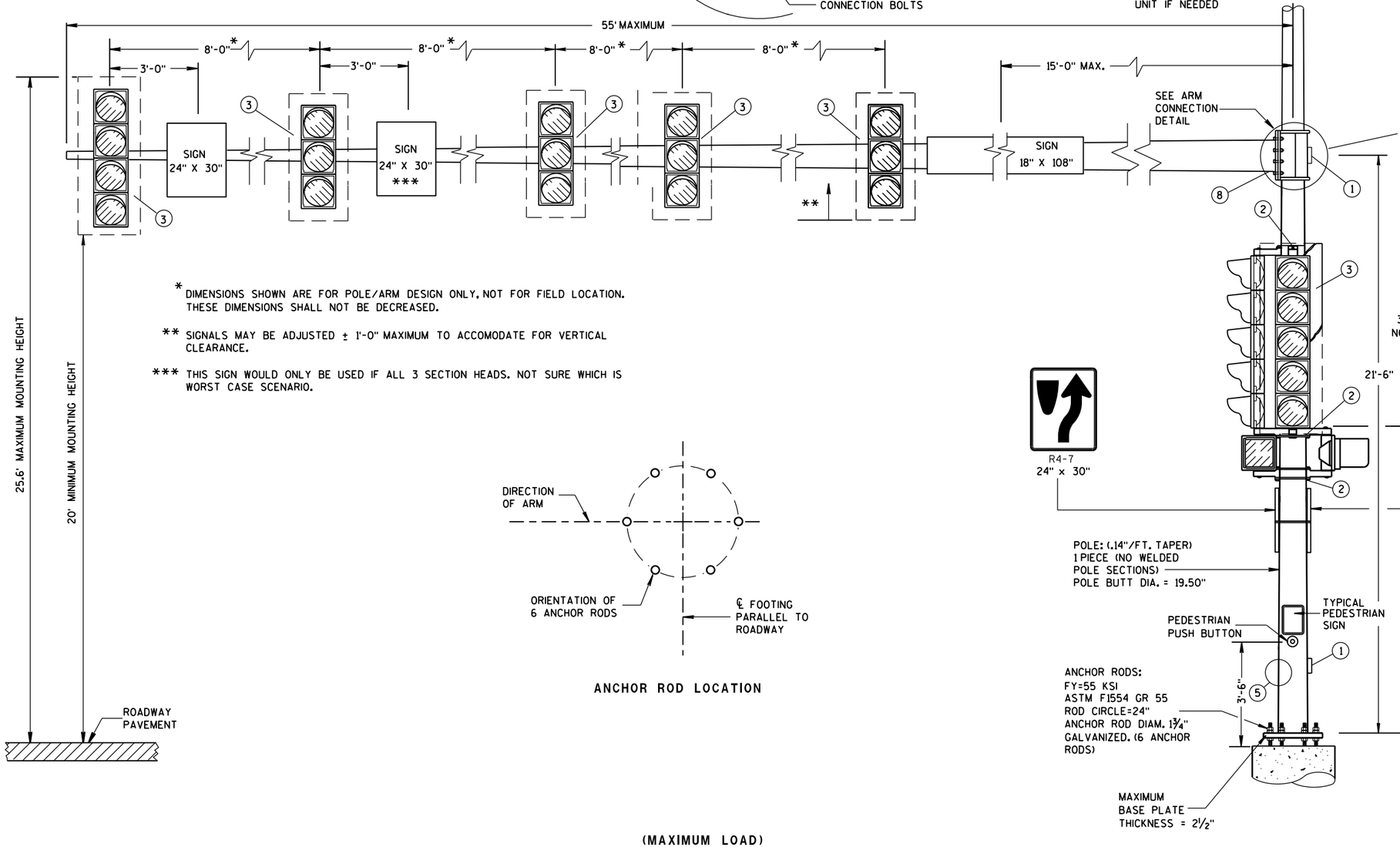
S.D.D. 9 E 12-1b







8 BOLT ARM CONNECTION DETAIL

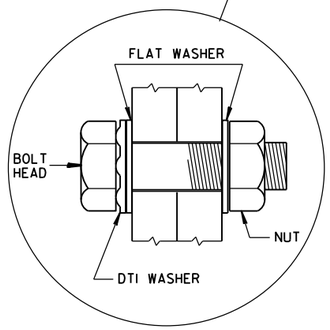


* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY. NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.

*** THIS SIGN WOULD ONLY BE USED IF ALL 3 SECTION HEADS. NOT SURE WHICH IS WORST CASE SCENARIO.

ANCHOR ROD LOCATION



RECOMMENDED BOLT ASSEMBLY DETAIL

(MAXIMUM LOAD)

OVER HEIGHT TYPE 13 POLE
35'- 55' MONOTUBE ARM

OVER HEIGHT TYPE 13 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 357
FHWA

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S.D.D. 9 E 12-1d

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S.D.D. 9 E 12-1d

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

OVER HEIGHT POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15-FOOT TO 30-FOOT.

OVER HEIGHT POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35-FOOT TO 55-FOOT.

MONOTUBE POLE AND ARM SHALL BE GALVANIZED STEEL.

RING-STIFFENED BUILT-UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE (1) PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3 % ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING 2017 INTERIM REVISIONS) AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR TRAFFIC AND LIGHTING STRUCTURES AND AS FOLLOWS:

- CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.
- CATEGORY II FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 12 AND TYPE 13 STRUCTURES.
- 90 MPH (3-SECOND GUST) WIND SPEED AND A 50 YEAR DESIGN LIFE.

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" S.S. BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR AS DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEADS AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HANDHOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING, (SEE SPECIFICATIONS SEC. 658).

(3) SECURELY MOUNT BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE END OF THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY-WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HANDHOLE, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

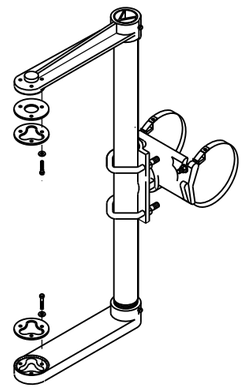
(6) FACTORY-WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

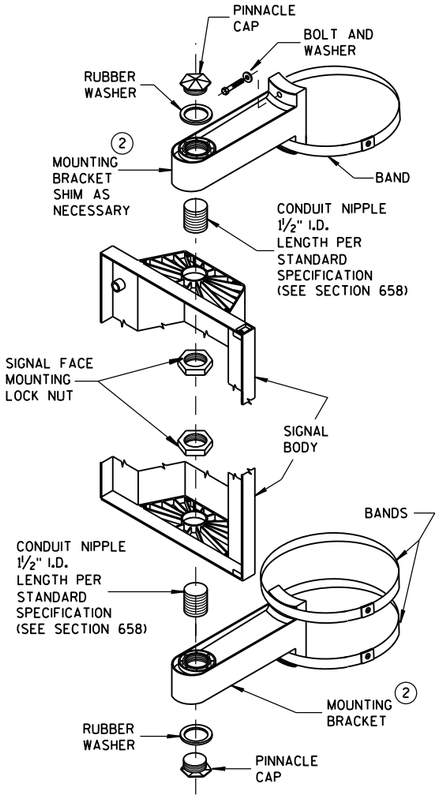
MOUNTING HEIGHT SHALL BE 6'-0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

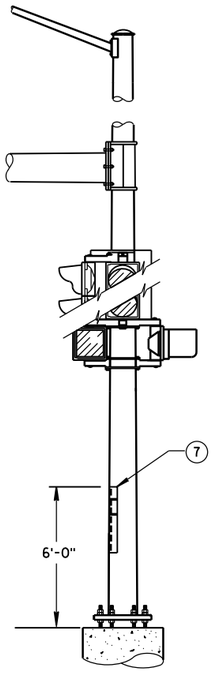


SIGNAL FACE MOUNTING BRACKET
DETAIL FOR MONOTUBE ARM

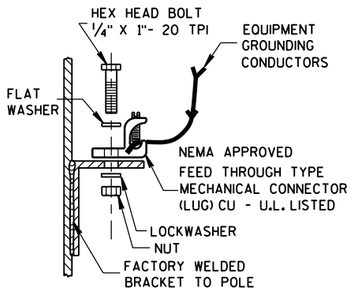
(MOUNT PER MANUFACTURER'S RECOMMENDATION)



SIGNAL FACE
VERTICAL MOUNTING DETAIL

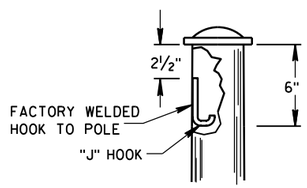


STRUCTURAL IDENTIFICATION
PLAQUE PLACEMENT



TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



"J" HOOK WIRE SUPPORT (6)

GENERAL NOTES AND HARDWARE DETAILS FOR OVER HEIGHT TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 358
FHWA

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S.D.D. 9 E 12-1e

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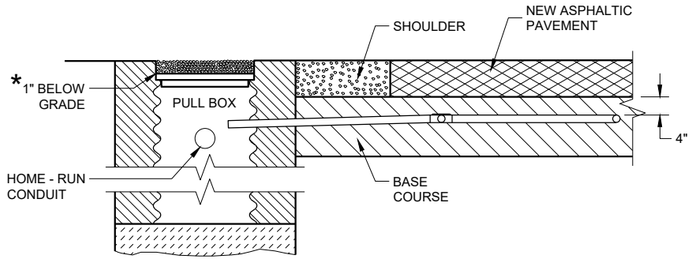
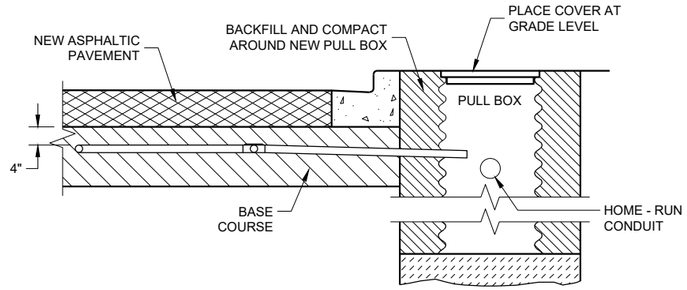
S.D.D. 9 E 12-1e



SECTION A - A
NO CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL



SECTION B - B
CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL

* RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

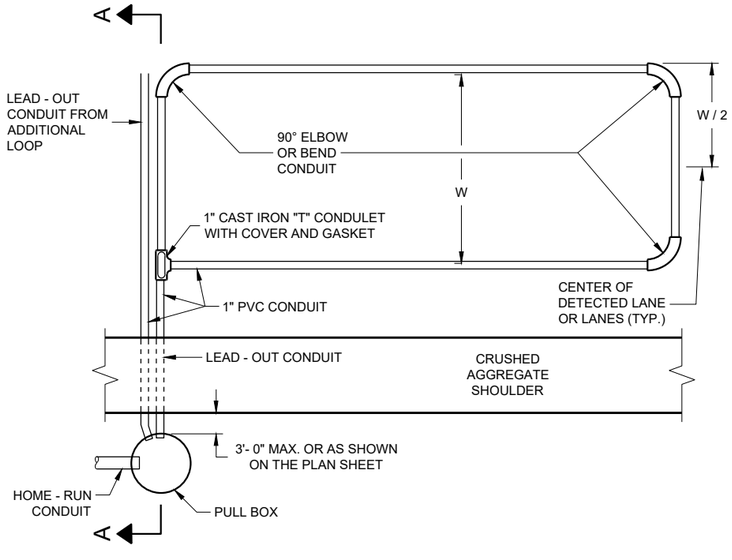
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE PULL BOX IN THE BASE COURSE, AND THE RELATED CONDUITS SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED.

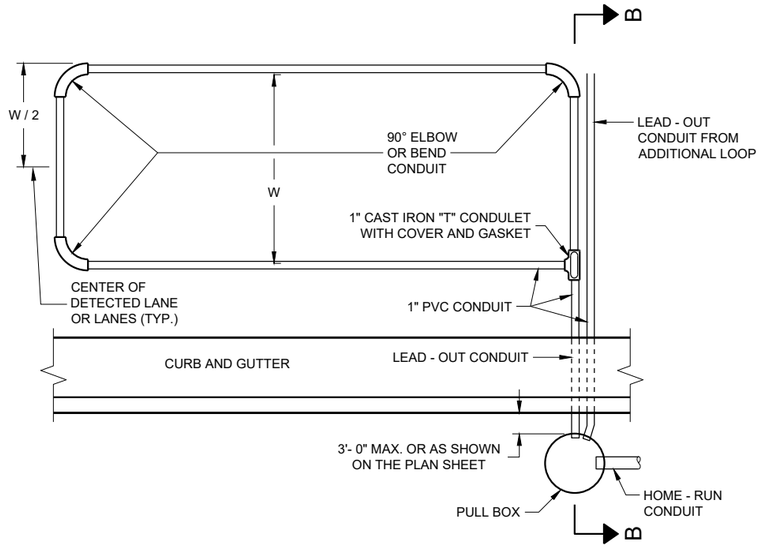
PROTECTION OF THE PULL BOX AND CONDULET SHALL BE REQUIRED AFTER THE ASPHALTIC PAVEMENT IS PLACED.

WHEN MULTIPLE LAYERS OF ASPHALTIC PAVEMENT ARE TO BE PLACED, LOOPS MAY BE INSTALLED BY SAWING A TWO INCH WIDE SLOT IN THE FIRST LAYER, DIG OUT THE ASPHALTIC MATERIAL AND BASE COURSE, PLACE THE LOOP, FILL THE SLOT WITH BASE COURSE MATERIAL AND NEW ASPHALTIC MATERIAL AND TAMP THE ASPHALTIC MATERIAL IN PLACE.

SHOULD TRAFFIC BE ALLOWED TO USE THE AREA OF ROADWAY WITH THE NEWLY INSTALLED LOOP BEFORE THE PLACEMENT OF THE NEXT LAYER OF ASPHALTIC PAVEMENT, THE SLOT/PAVEMENT OPENING SHALL BE SEALED WITH HOT POURED ELASTIC TYPE MATERIAL CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D3405".



TYPICAL PLAN OF LOOP DETECTOR



TYPICAL PLAN OF LOOP DETECTOR

LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 359

FHWA

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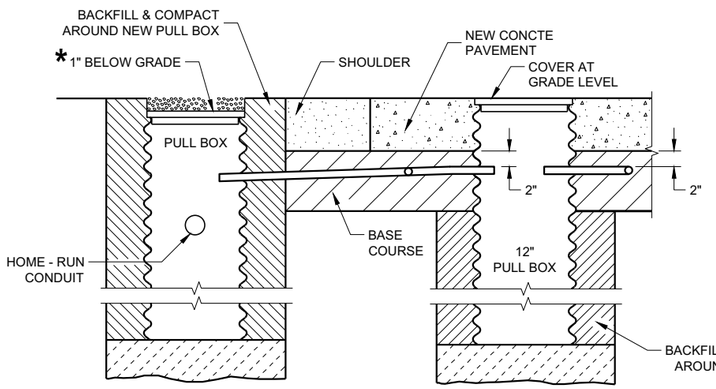
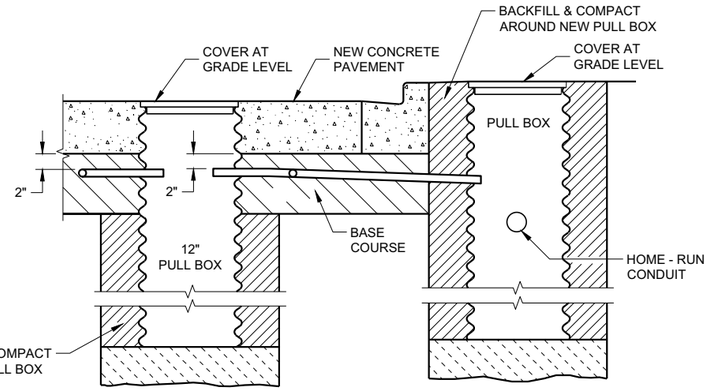
SDD 09F08 - 04



SECTION A - A
NO CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL



SECTION B - B
CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL

* RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

ANY PVC LEADOUT CONDUIT CONTAINING MORE THAN ONE TWISTED PAIR OF LOOP LEAD WIRE SHALL BE 2".

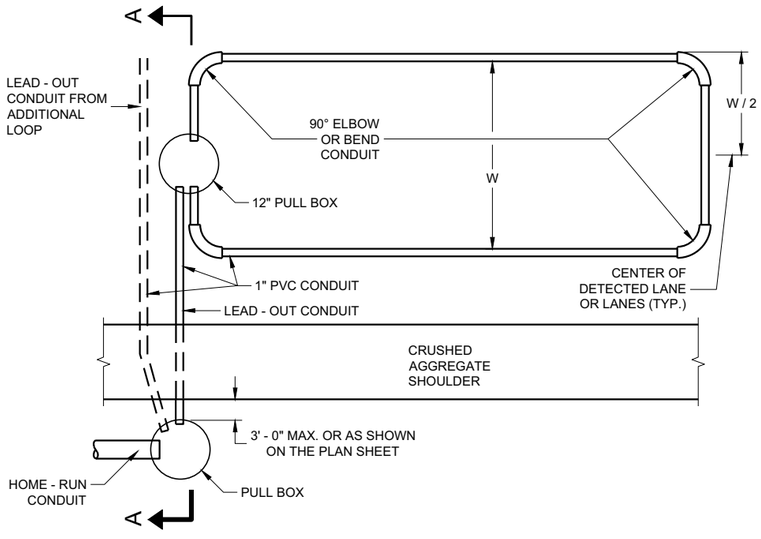
THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

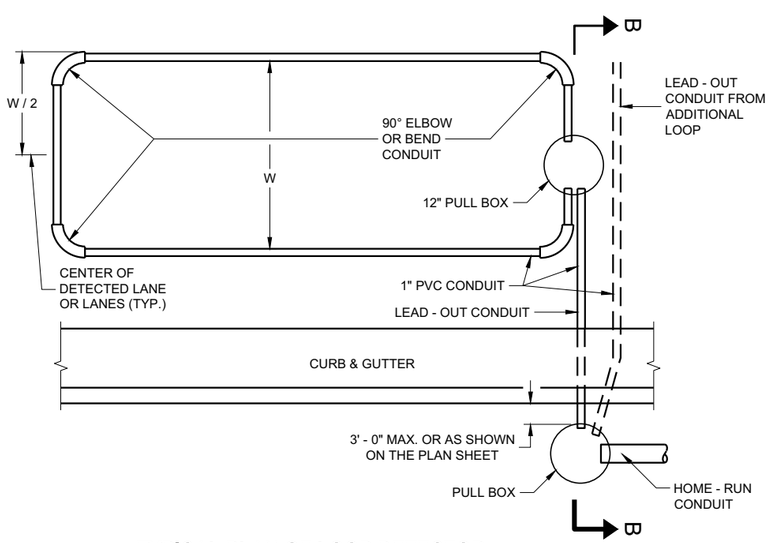
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, INTO THE PULL BOX IN THE PAVEMENT, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT, CONDULET, PULL BOX SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED.

12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX

LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 360

FHWA

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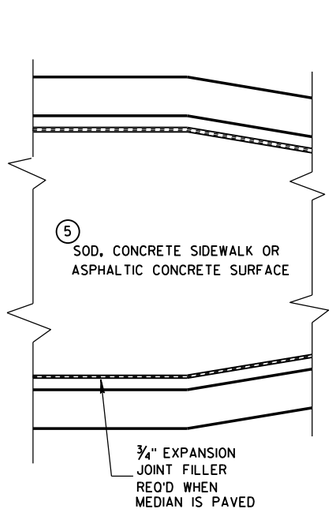
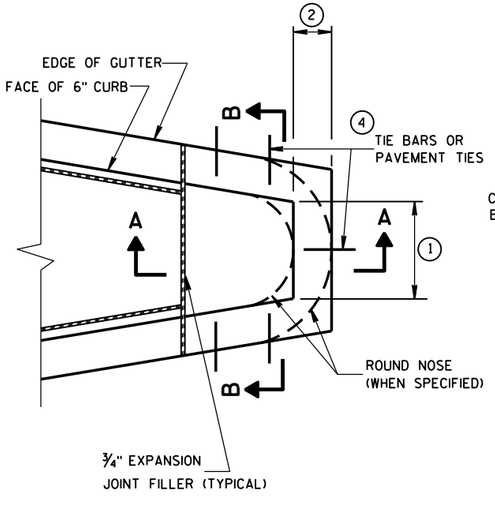
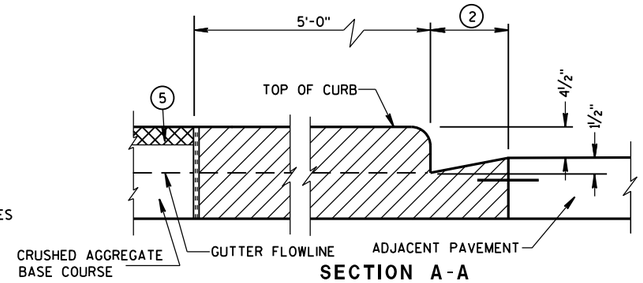
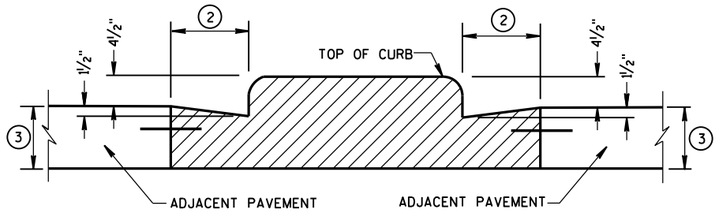
SDD 09F09 - 05







SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

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) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

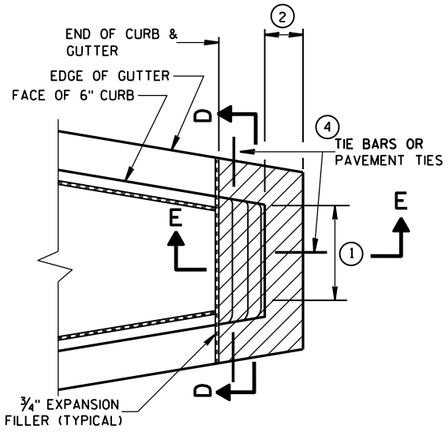
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

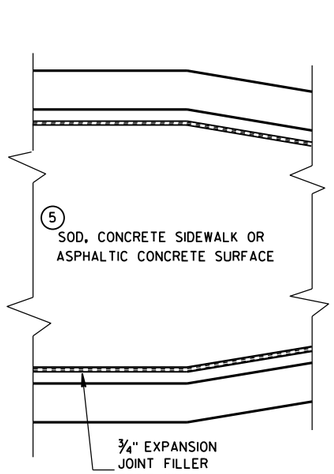
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

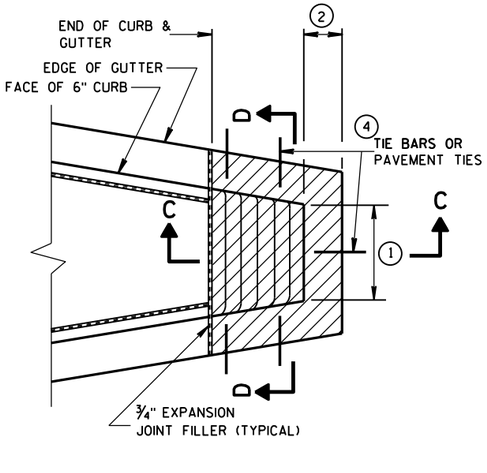
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

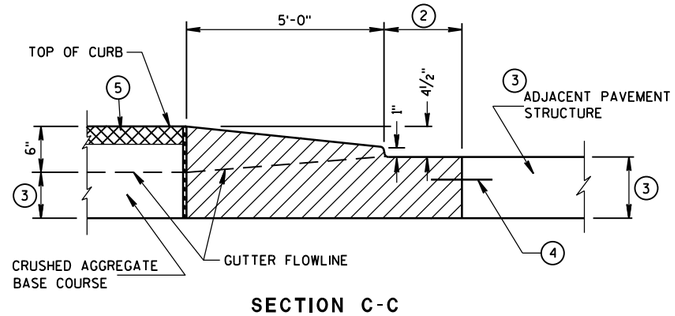
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



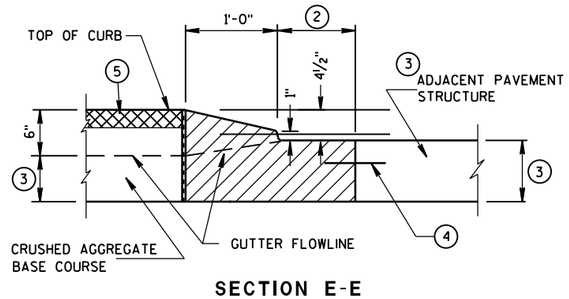




CONCRETE MEDIAN SLOPED NOSE TYPE 1

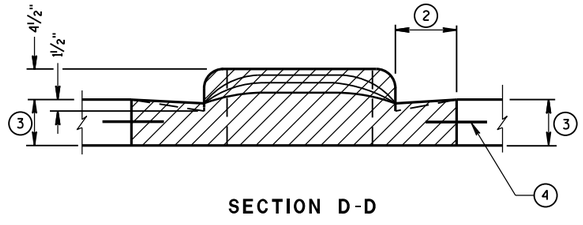


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

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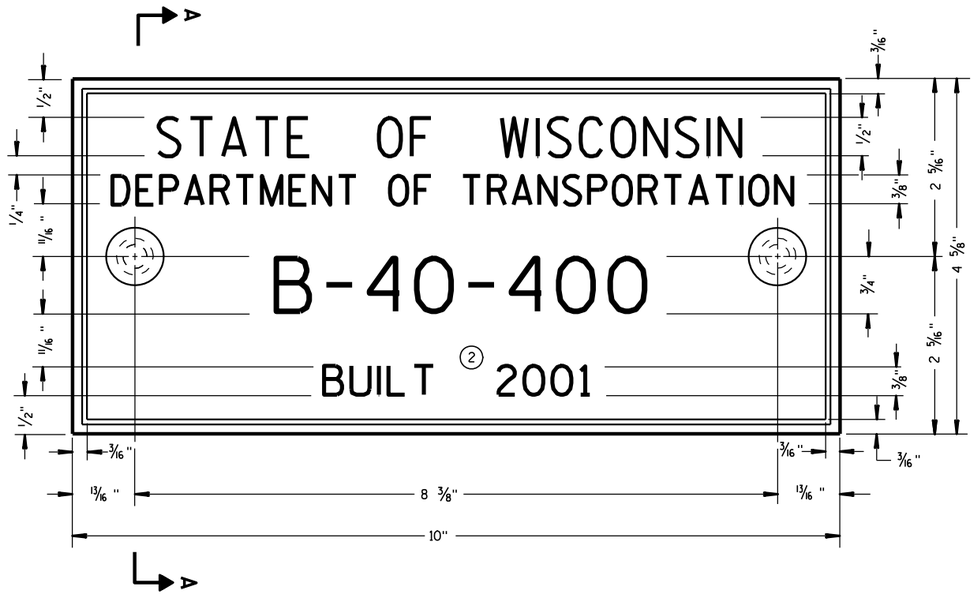
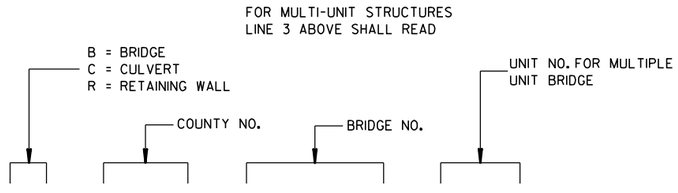
S.D.D. 11 B 2-2



TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

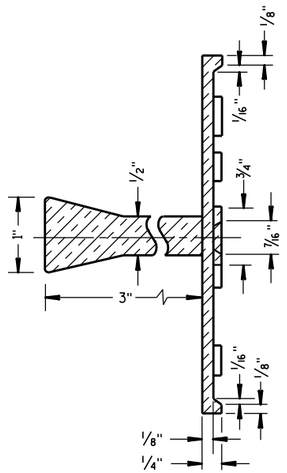
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

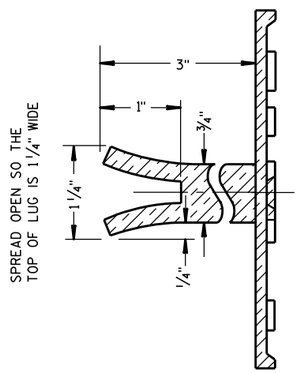
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

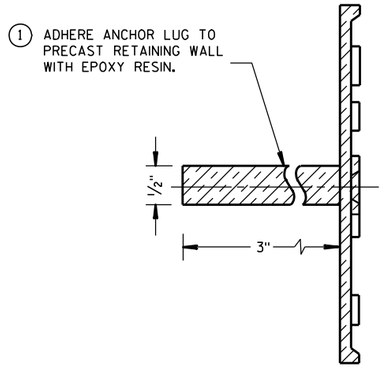
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE — /S/ Scot Beck — CHIEF STRUCTURAL DEVELOPMENT ENGINEER

FHWA

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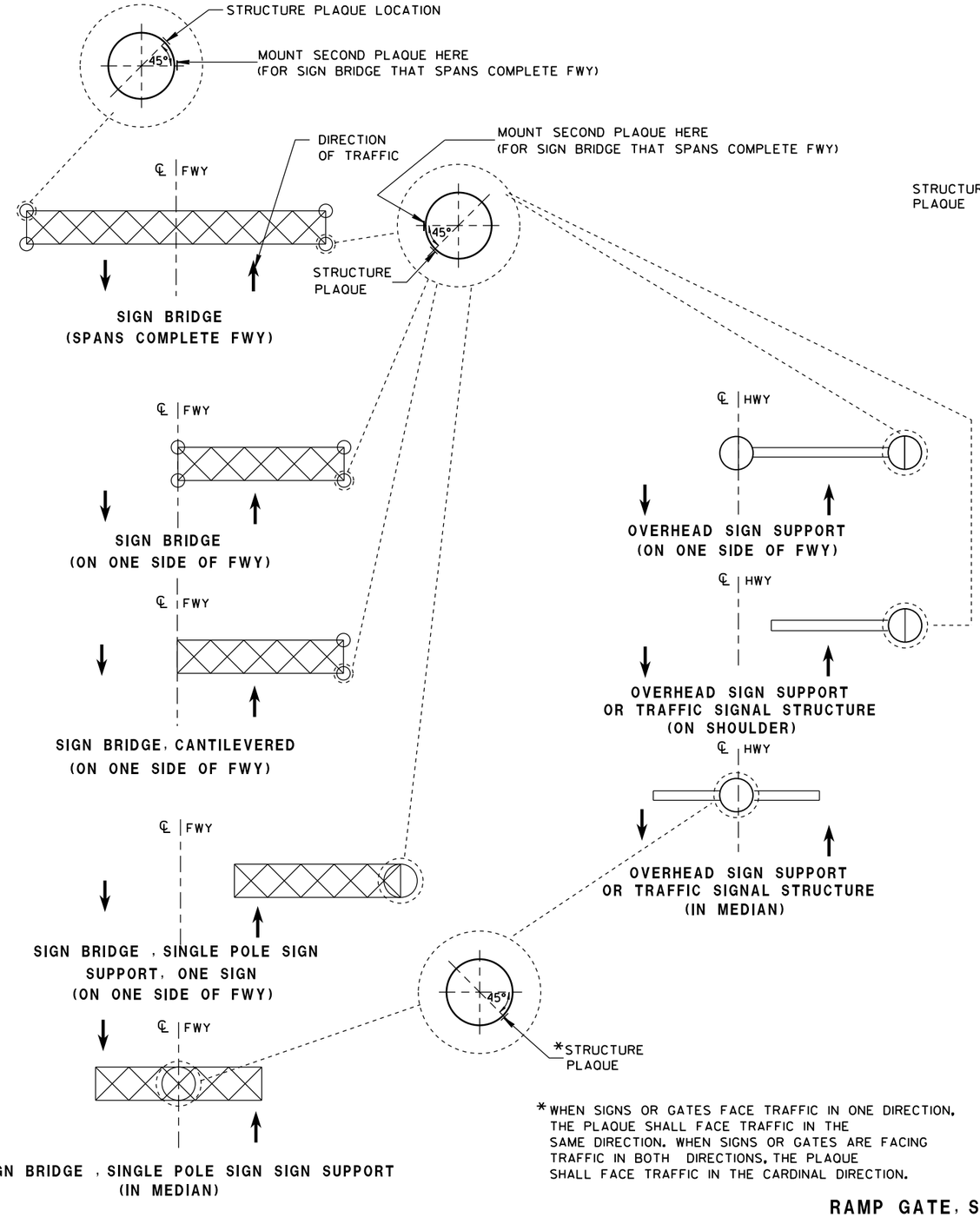
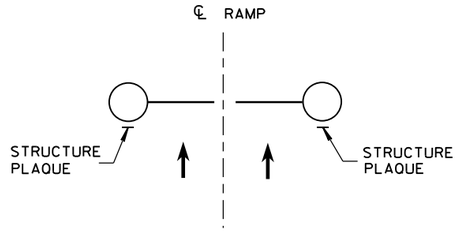
S.D.D. 12 A 3-10

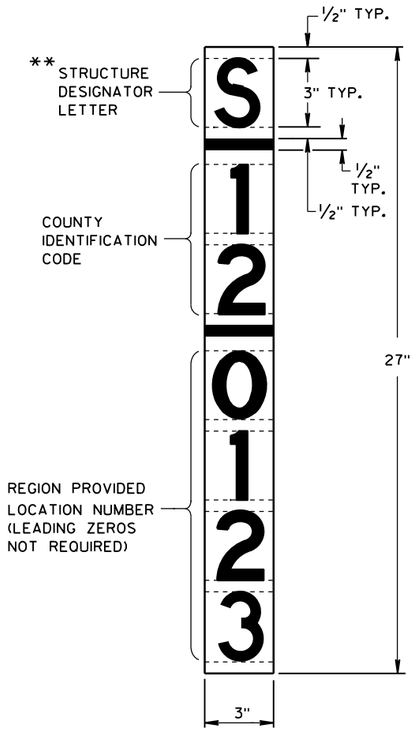


*WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



**RAMP GATE
(ACROSS FWY ON-RAMP)**



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

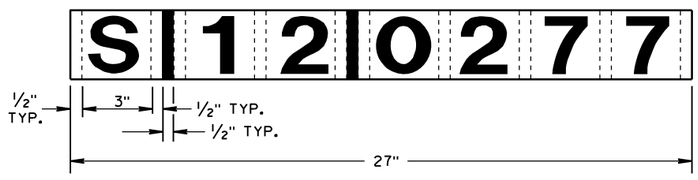
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 12 A 4-3

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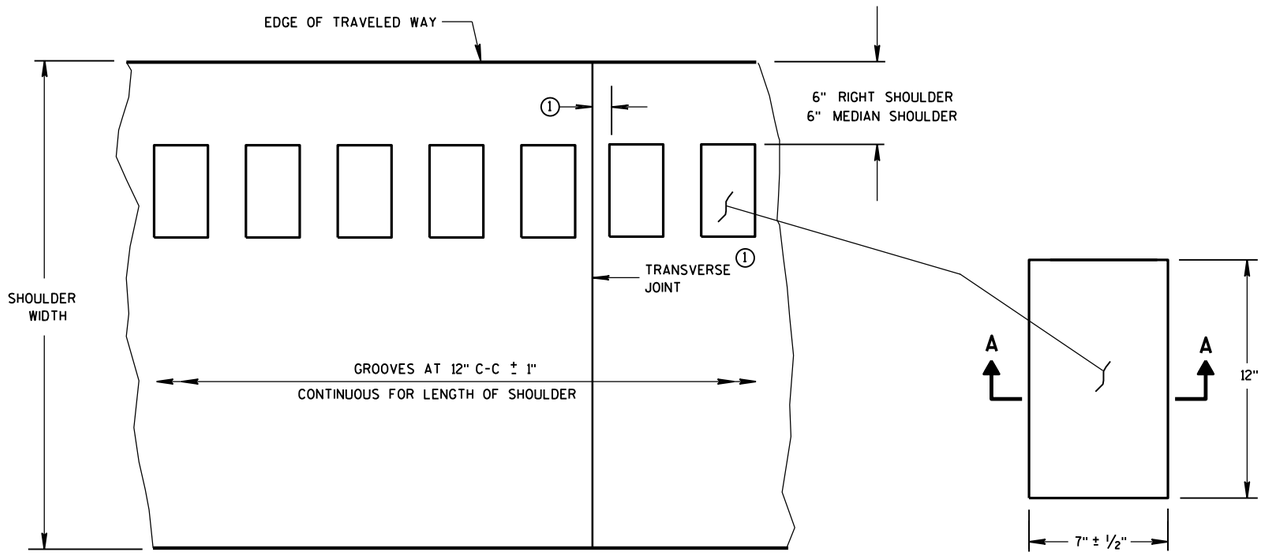
S.D.D. 12 A 4-3



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

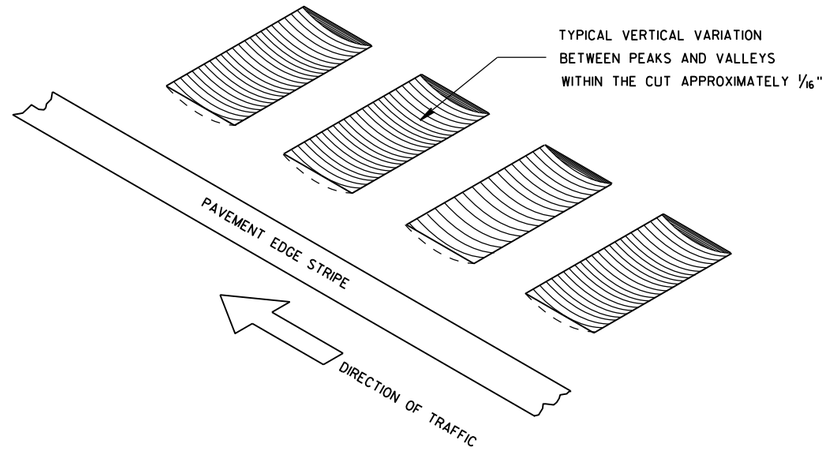
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

RUMBLE STRIPS ON EXPRESSWAYS

DO NOT INSTALL RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL DRIVEWAYS, PRIVATE DRIVEWAYS OR ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, BRIDGE DECKS, BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSING. THE ATTACHED STANDARD DETAIL DRAWING SHOWS THE LOCATION OF THE RUMBLE STRIPS AT INTERCHANGE AREAS.

(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



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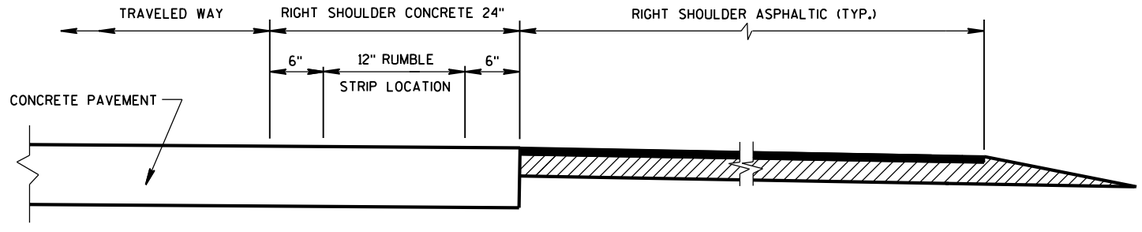
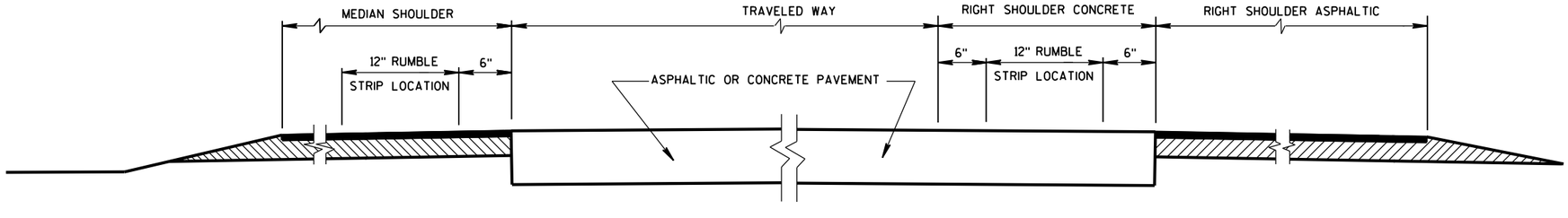


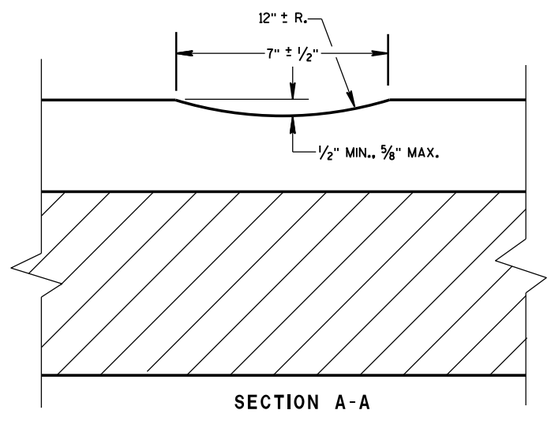
SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION VIEW

TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS IN RURAL DIVIDED HIGHWAYS

(ONE ROADWAY IS SHOWN)



SECTION A-A

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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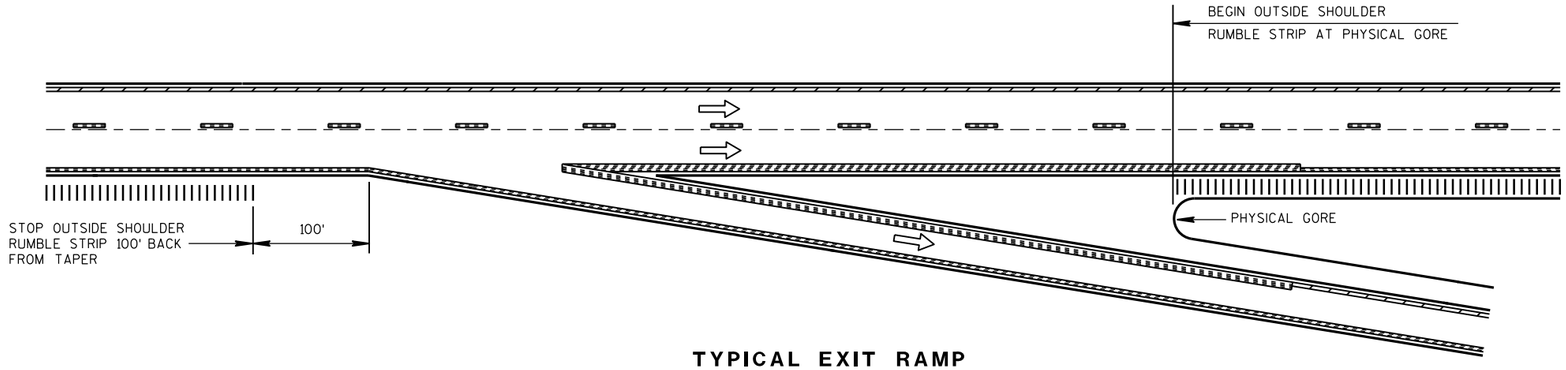
S.D.D. 13 A 5-5a



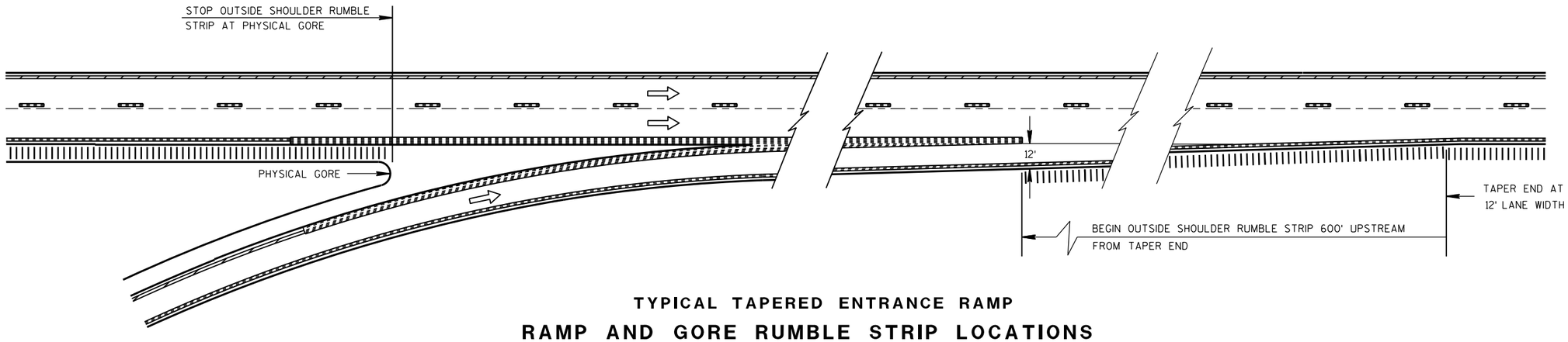
TYPICAL EXIT RAMP

NOTES:

NO RUMBLE STRIP ON EXIT, DIRECTIONAL, OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

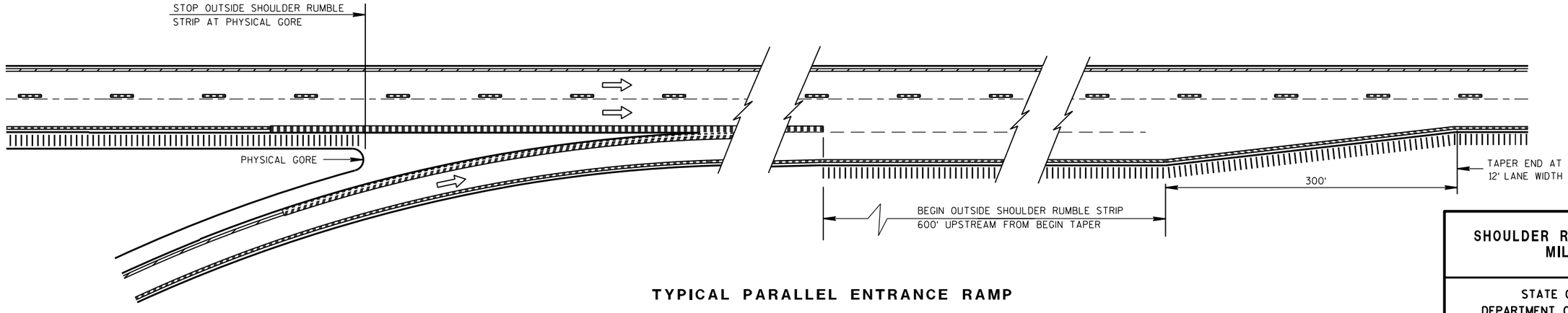
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TYPICAL TAPERED ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS



TYPICAL PARALLEL ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/17/2012
DATE

/S/ Jerry H. Zoga
ROADWAY STANDARDS ENGINEER

FHWA

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S.D.D. 13 A 5-5b

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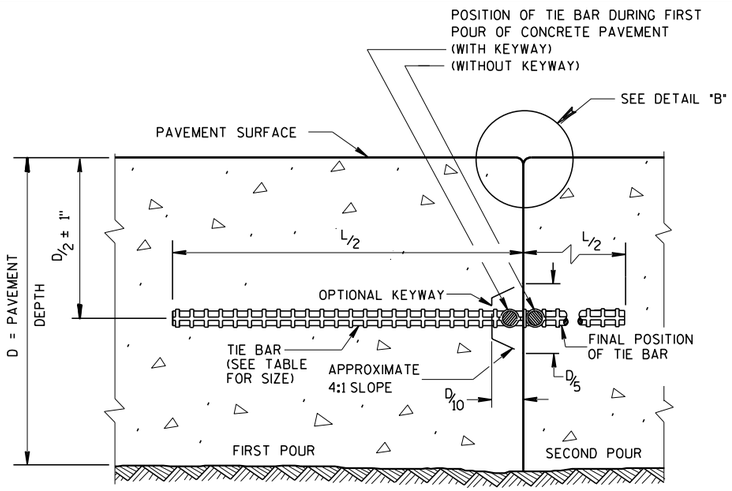
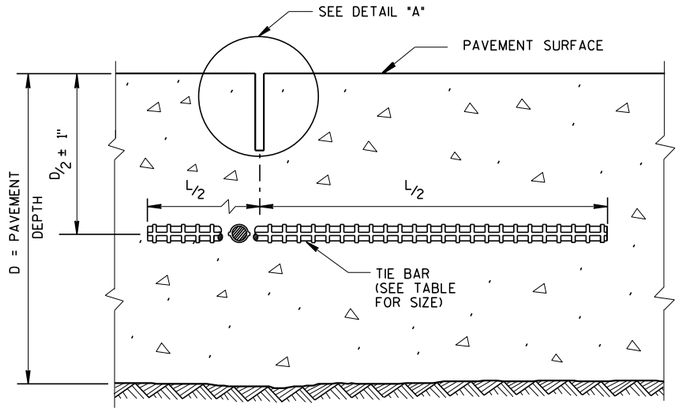
S.D.D. 13 A 5-5b



CONSTRUCTION JOINT



SAWED JOINT

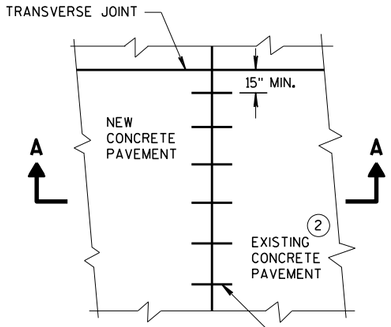
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

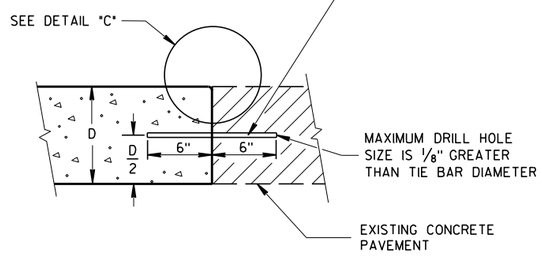
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

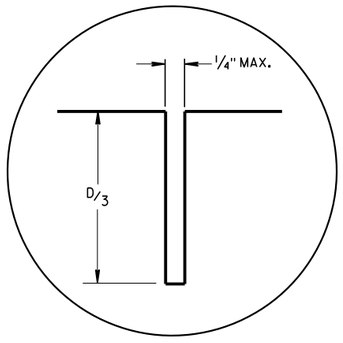


PLAN VIEW

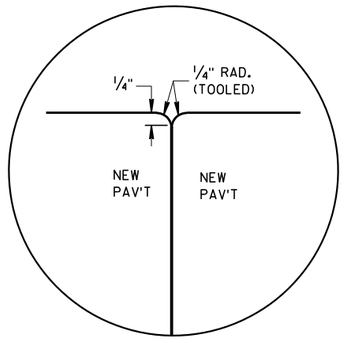


SECTION A-A

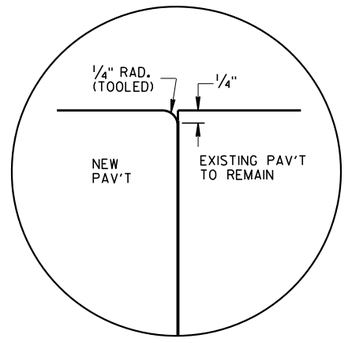
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



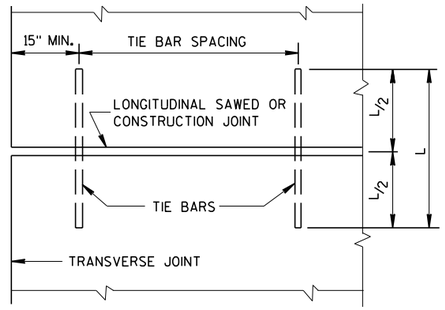
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT
LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp — PAVEMENT SUPE
FHWA

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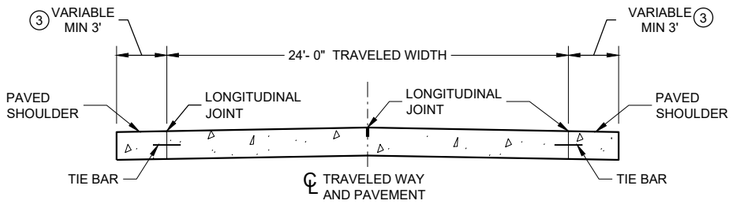
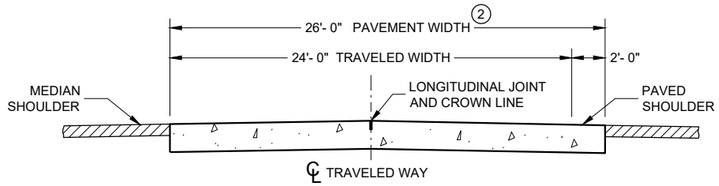
S.D.D. 13 C 1-19

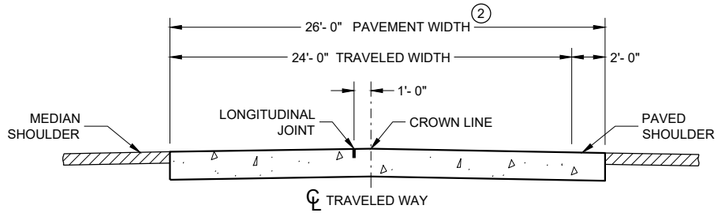


SECTION A - A

TWO-LANE TWO-WAY HIGHWAY (1)



SECTION B - B



ALTERNATIVE SECTION B - B

DIVIDED HIGHWAY (1)

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

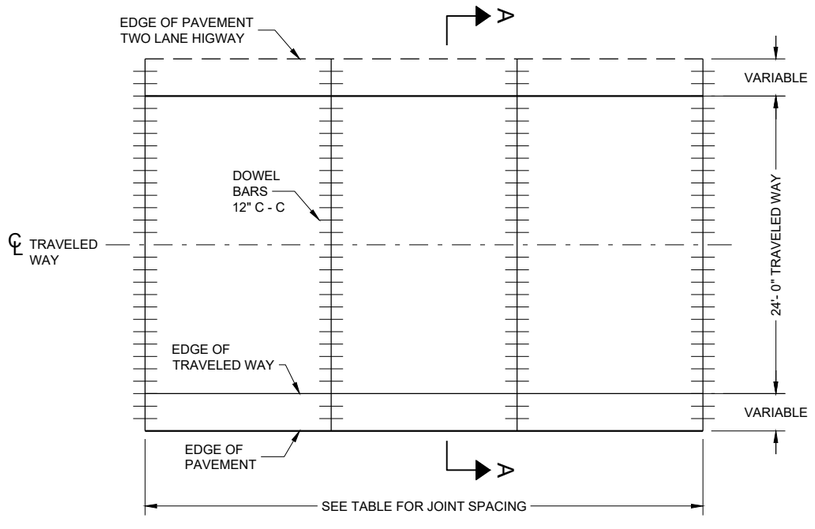
(1) REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

(2) MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED "PAVED SHOULDER" AS CONCRETE PAVEMENT.

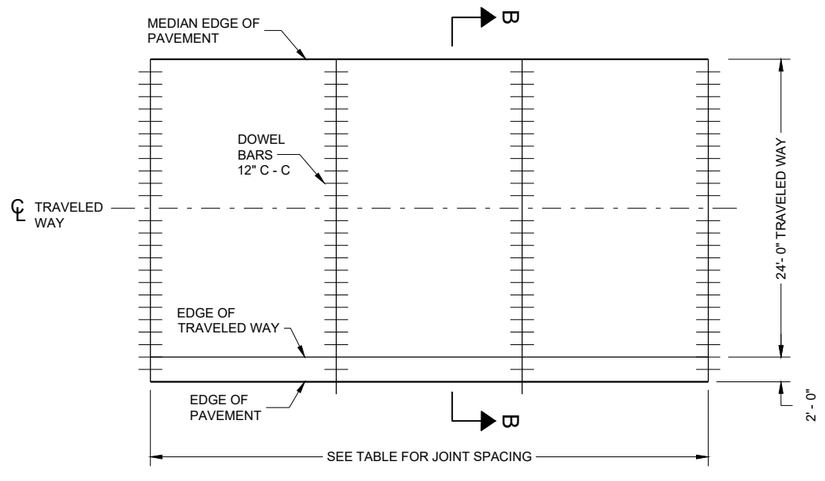
(3) SHOULDER WIDTHS LESS THAN 3 FEET SHALL BE PAVED INTEGRAL TO THE MAINLINE CONCRETE PAVEMENT, SEE SECTION B-B.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'



CONTRACTION JOINT LAYOUT FOR TWO-LANE TWO-WAY HIGHWAY



CONTRACTION JOINT LAYOUT FOR DIVIDED HIGHWAY

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C11 - 14a

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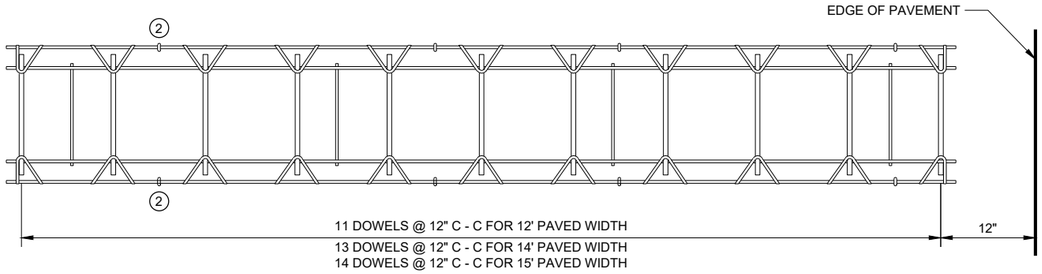


PLAN VIEW

SIDE VIEW

(NORMAL TO CENTERLINE)

CONTRACTION JOINT DOWEL ASSEMBLY (1)

GENERAL NOTES

(1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.

(2) SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

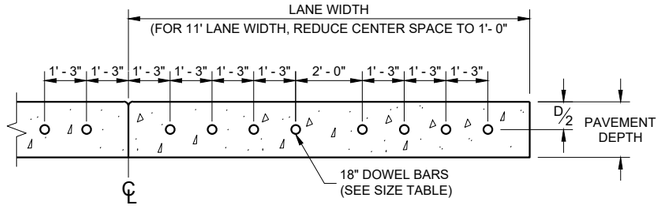
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

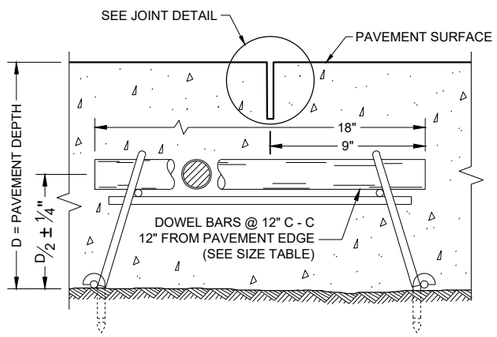
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED DOWEL BAR CONSTRUCTION JOINT" DETAIL.

(6) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

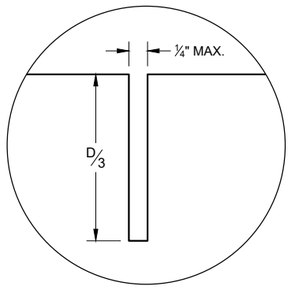
(7) ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



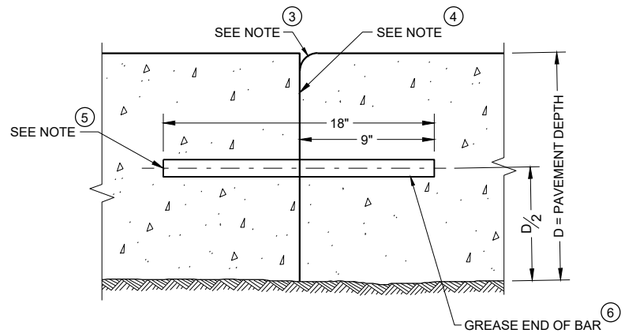
DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



DOWELED CONTRACTION JOINT



JOINT DETAIL



TRANSVERSE CONSTRUCTION JOINT

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

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SDD 13C11 - 14b

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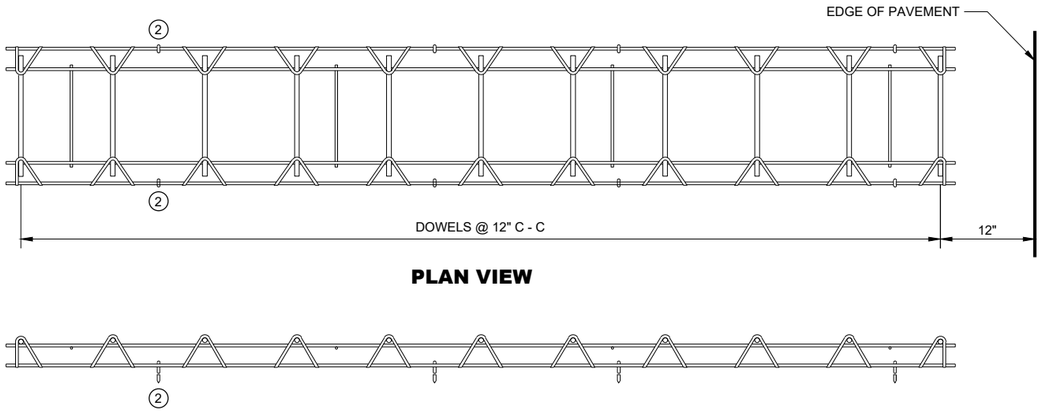
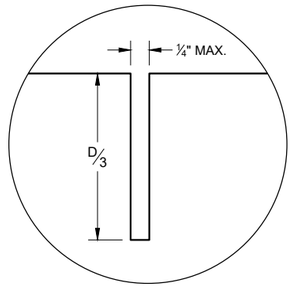


PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY (1)



JOINT DETAIL

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

(1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.

(2) SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

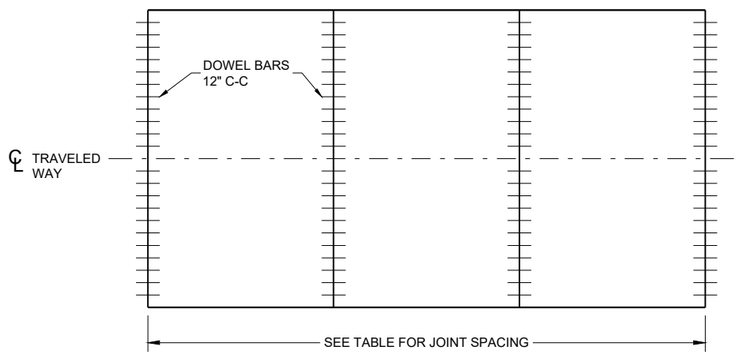
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

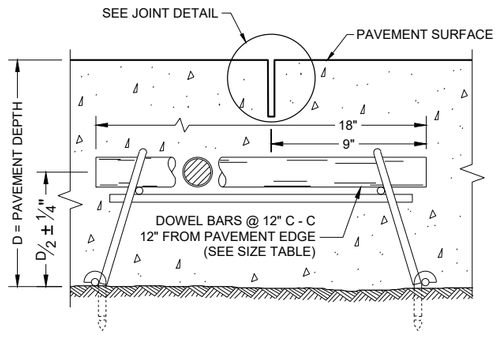
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED DOWEL BAR CONSTRUCTION JOINT" DETAIL.

(6) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

(7) ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



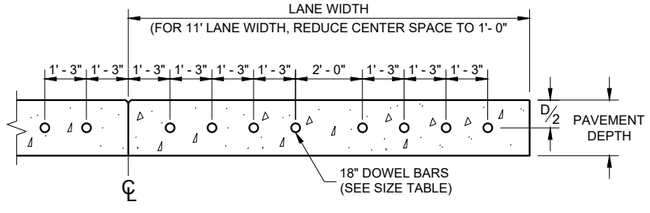
CONTRACTION JOINT LOCATIONS



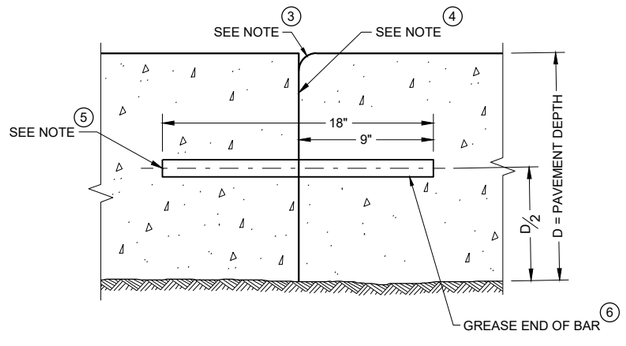
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



TRANSVERSE CONSTRUCTION JOINT

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

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SDD 13C13 - 11

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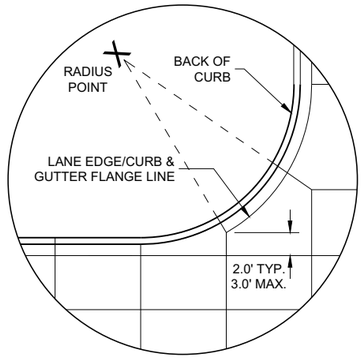
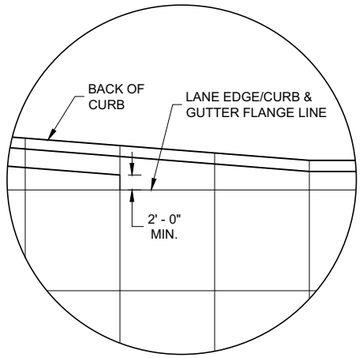
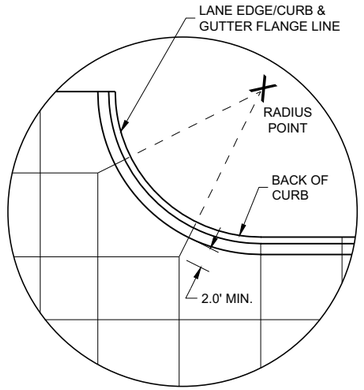


DETAIL "A"



DETAIL "B"



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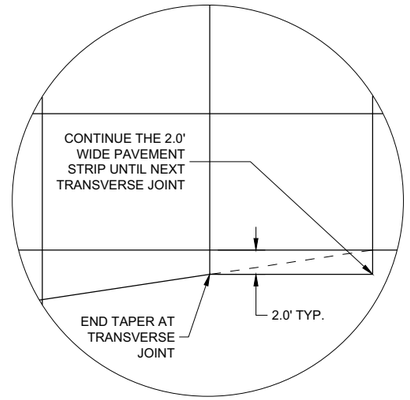


DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

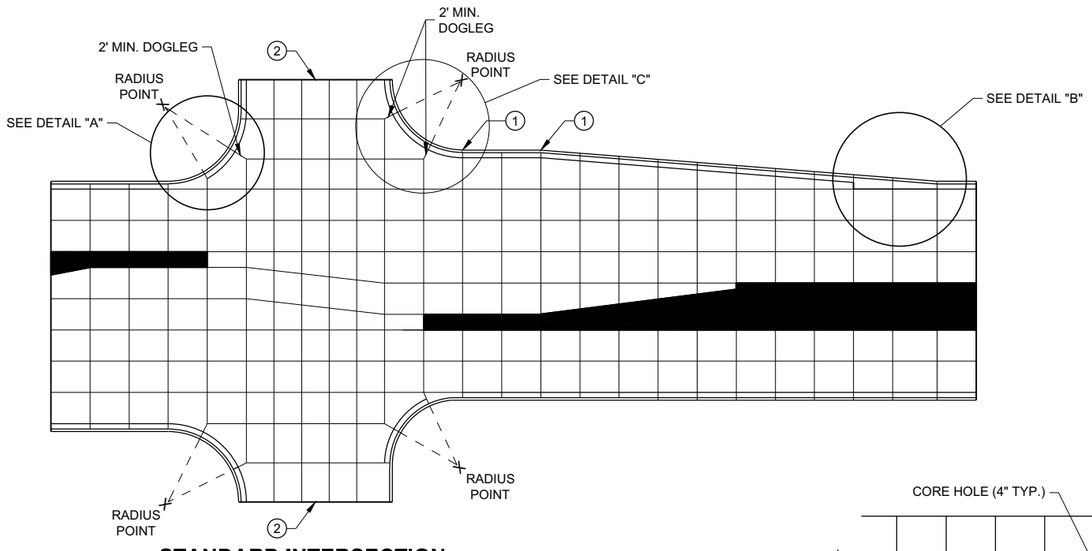
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.

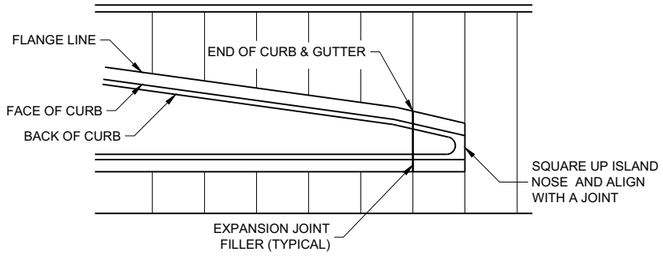
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



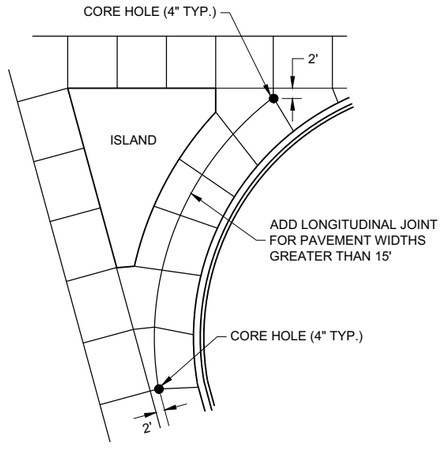
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

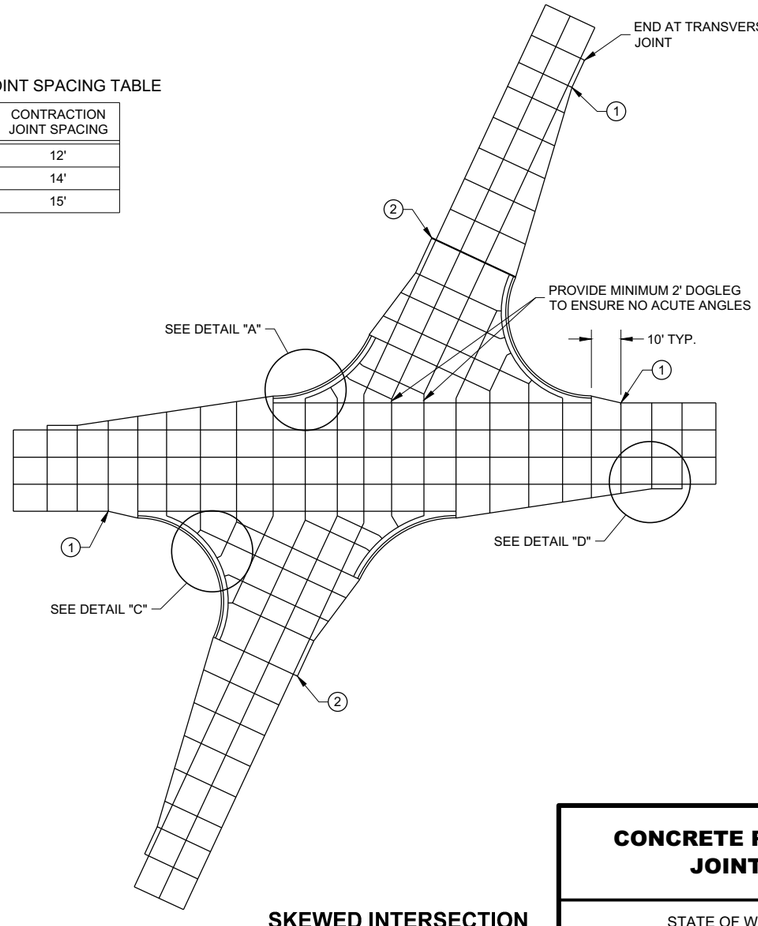
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



APPROACH TO MEDIAN



LARGE RIGHT TURN



SKEWED INTERSECTION

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 07a

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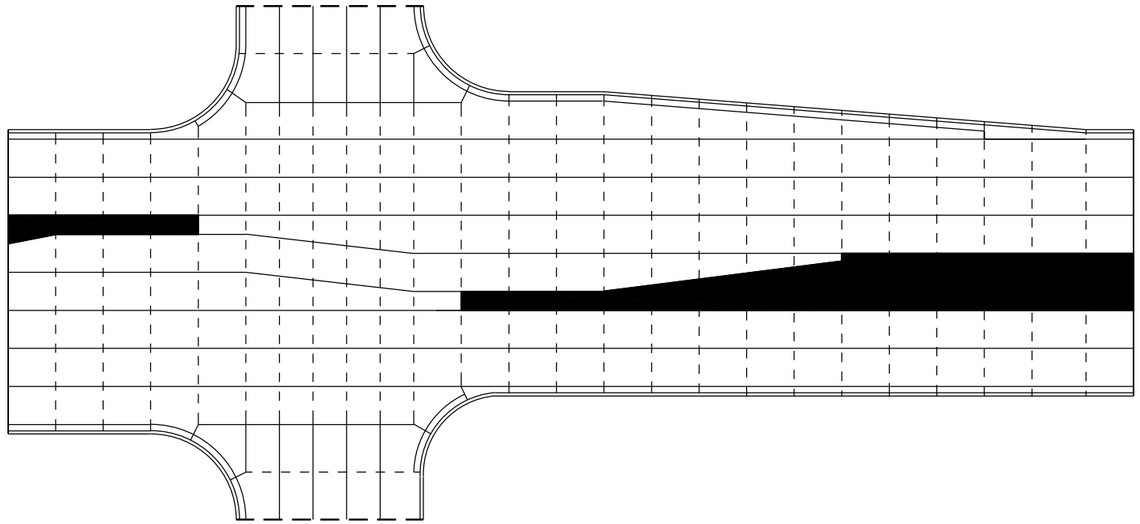
SDD 13C18 - 07a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

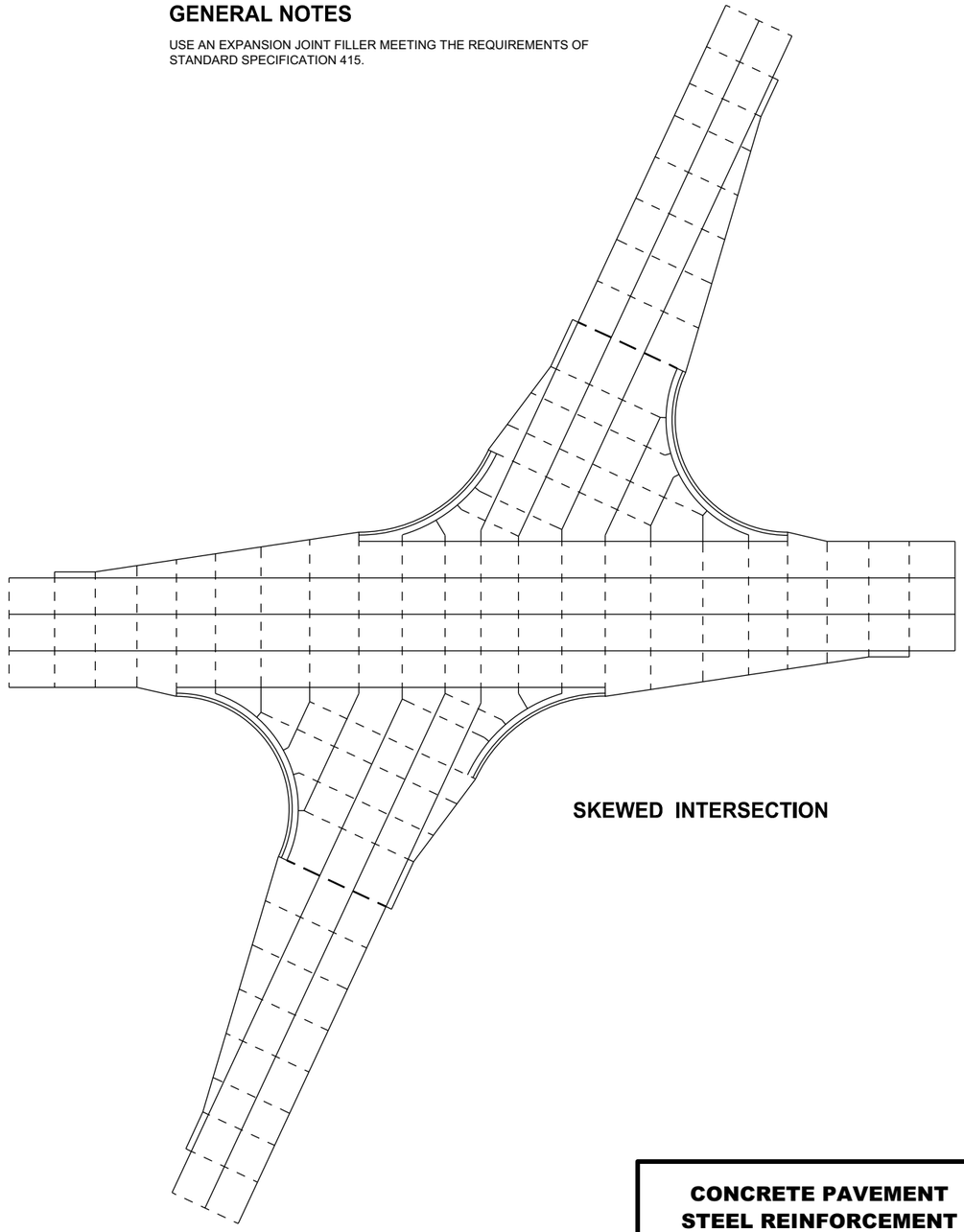
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

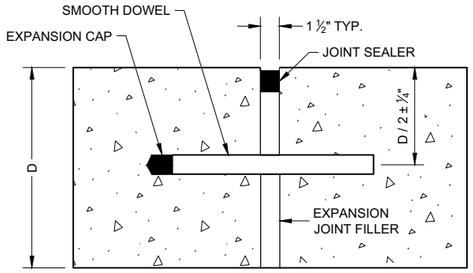
SDD 13C18 - 07b

CONCRETE PAVEMENT STEEL REINFORCEMENT

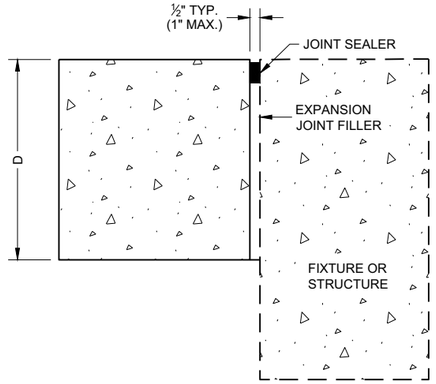
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

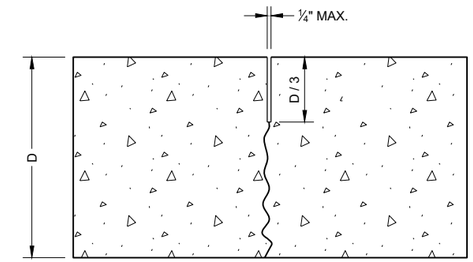
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

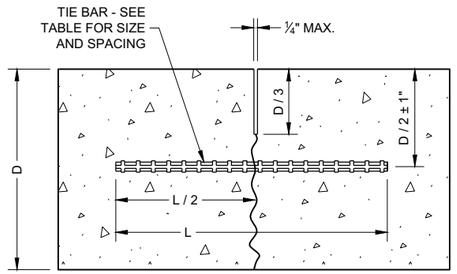
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

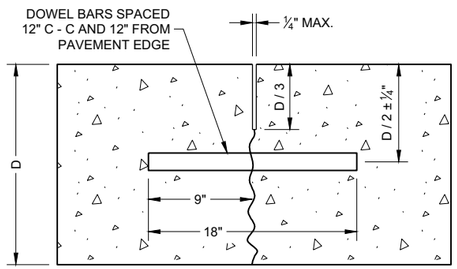
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

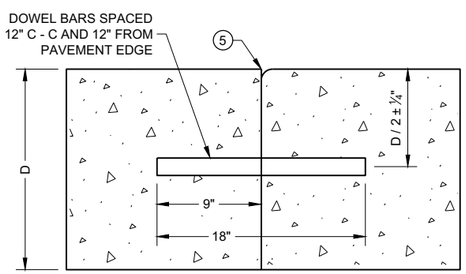


TIED LONGITUDINAL

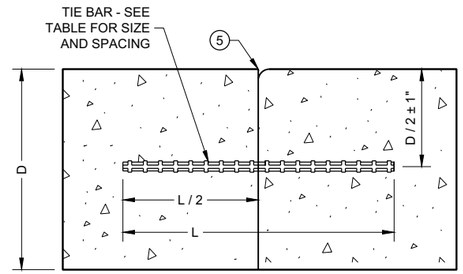


DOWELED TRANSVERSE

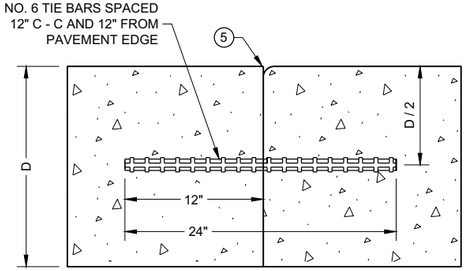
CONTRACTION JOINTS (2)



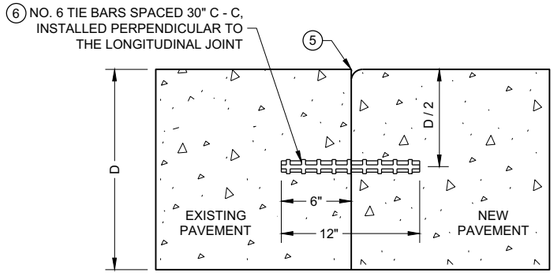
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

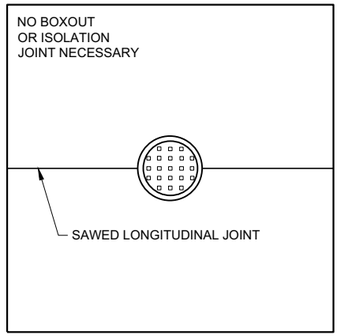
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

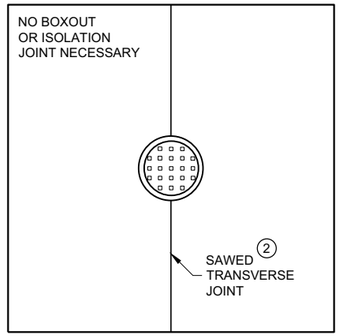
SDD 13C18 - 07c

6

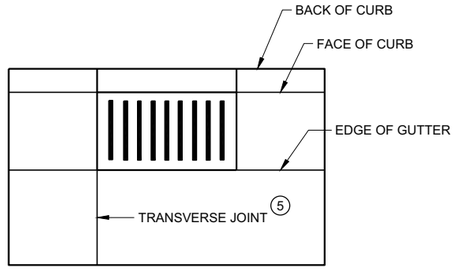
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



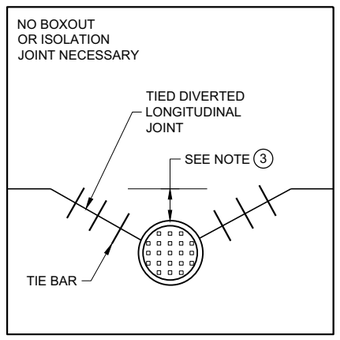
MANHOLE WITH TRANSVERSE JOINT



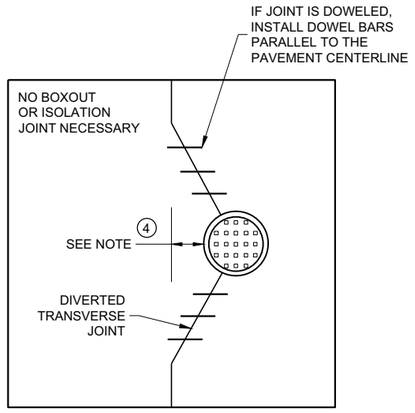
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

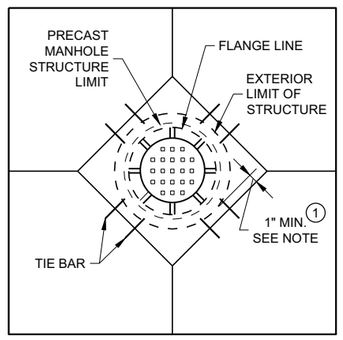
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

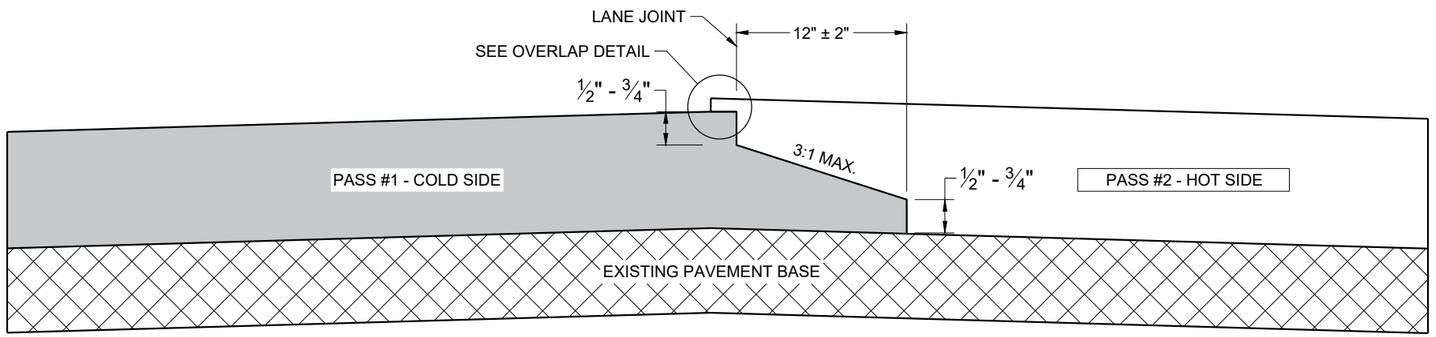
APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

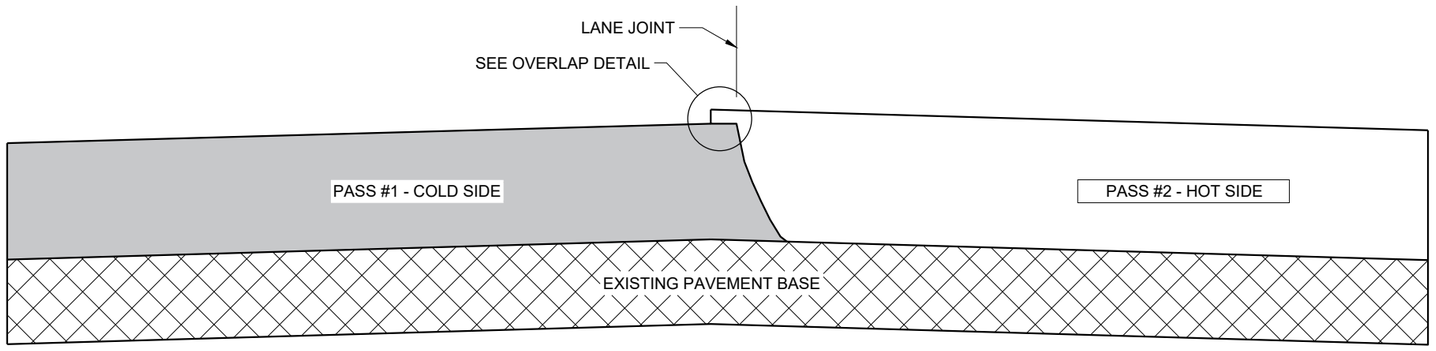
FHWA

6

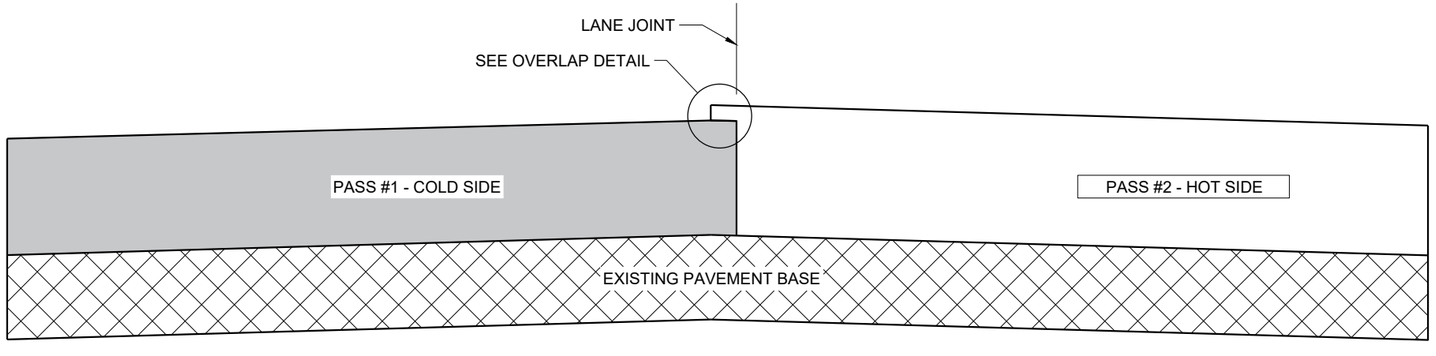
SDD 13C18 - 07d



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

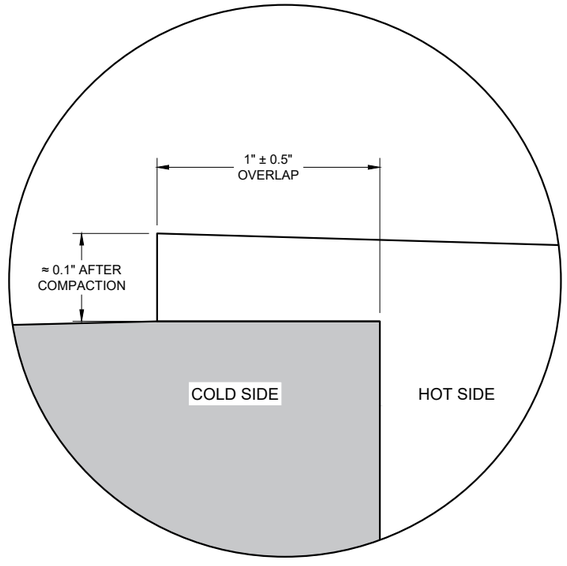
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

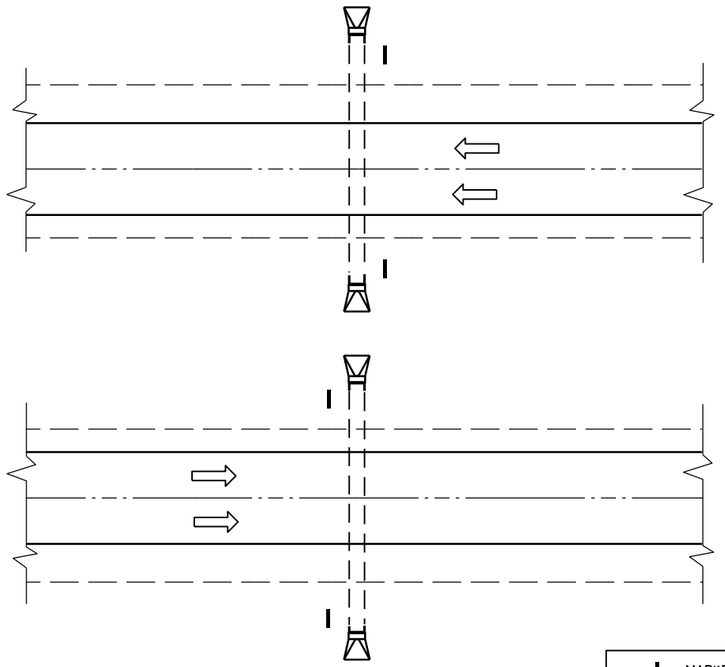
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

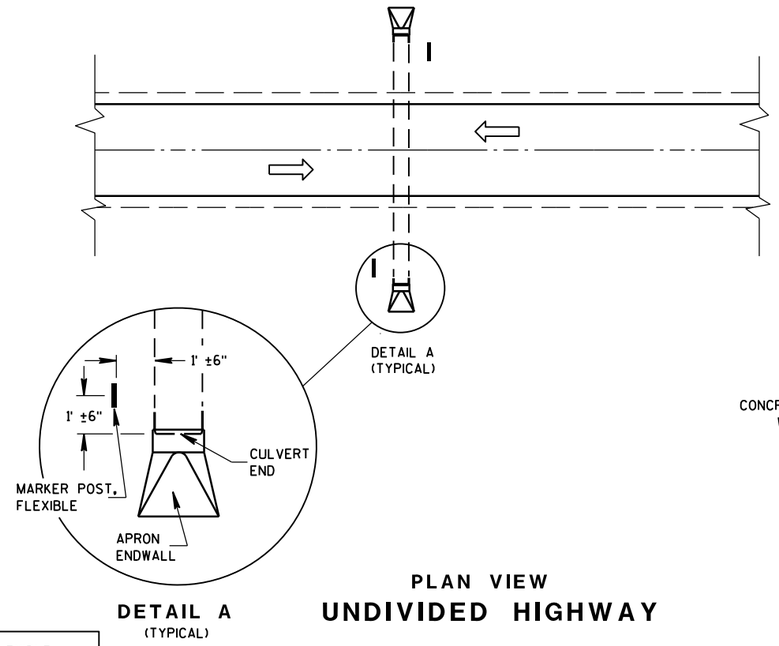
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

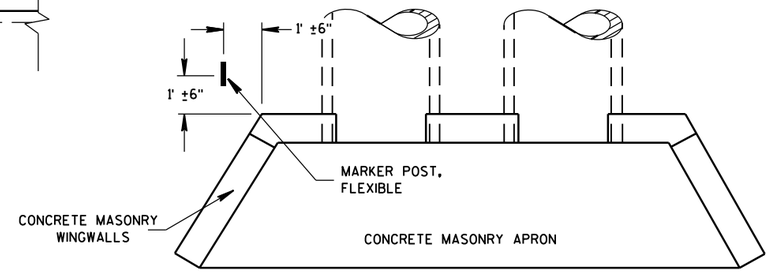
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

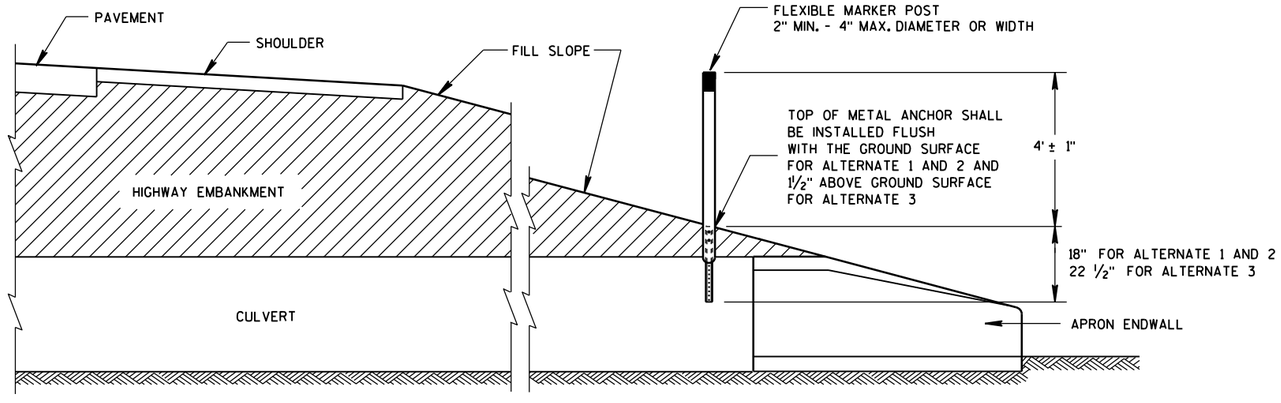
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

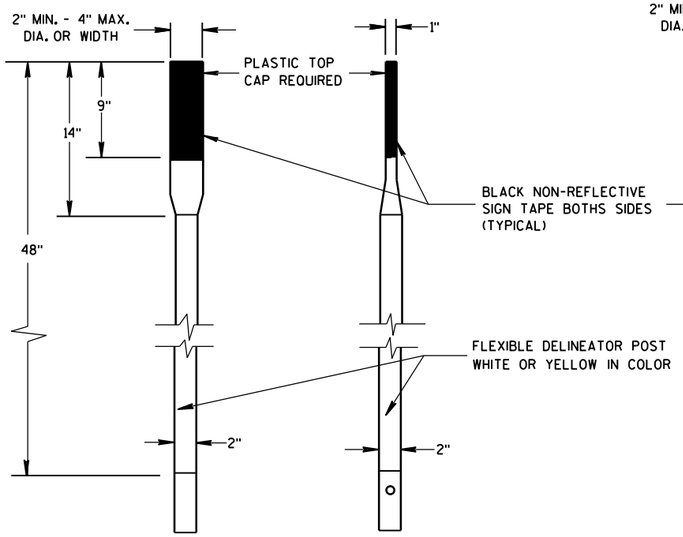
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

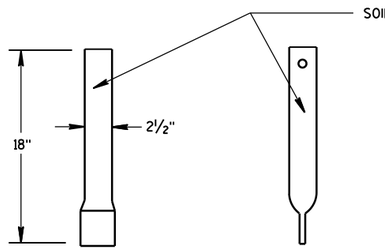
6

S.D.D. 15 A 3-2a

6

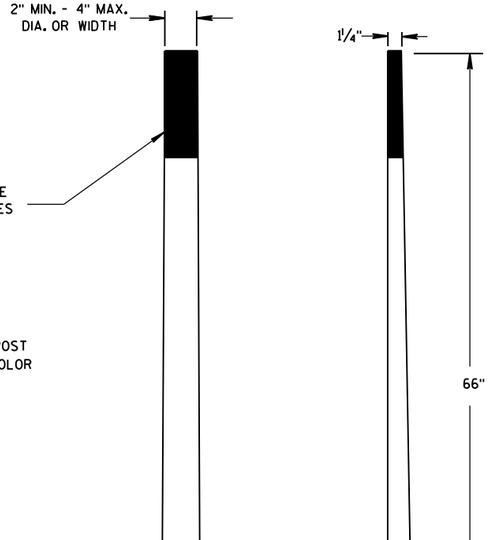
S.D.D. 15 A 3-2a





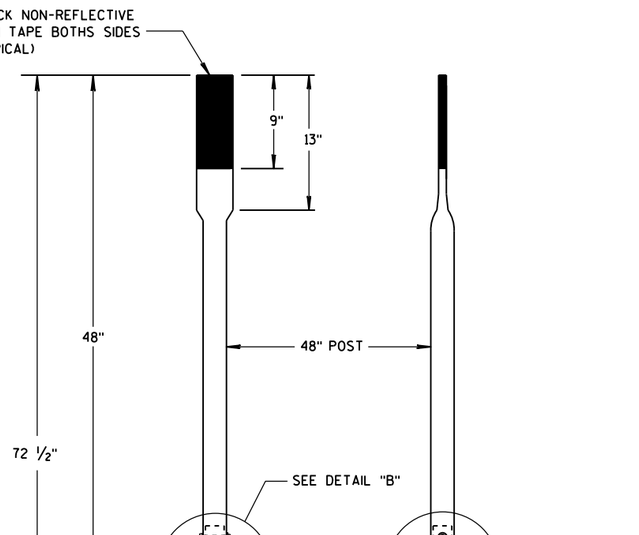
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

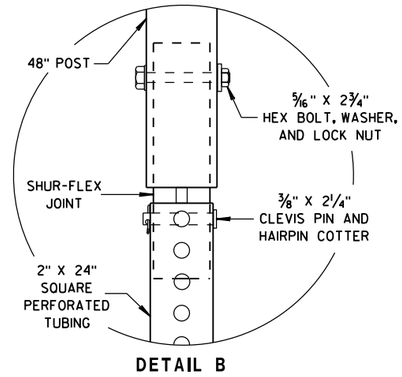
ALTERNATE 2



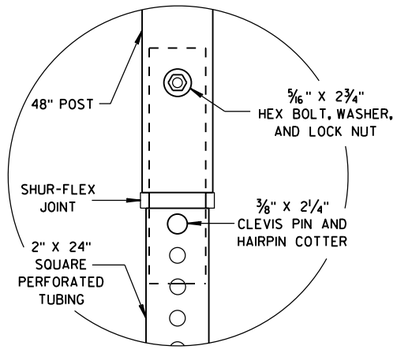
FRONT VIEW SIDE VIEW

ALTERNATE 3

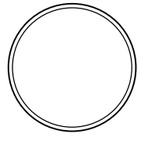
FLEXIBLE MARKER POSTS



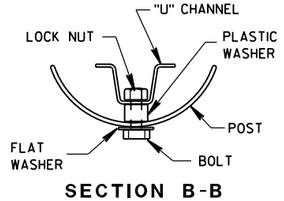
DETAIL B



DETAIL C



SECTION A-A



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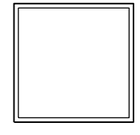
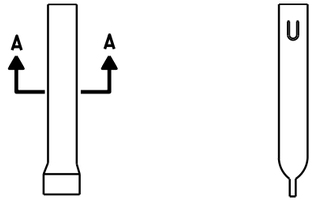
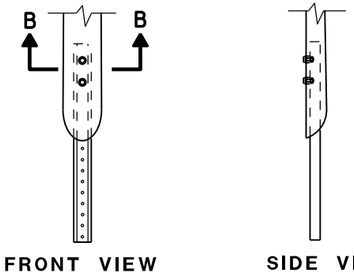


SECTION C-C



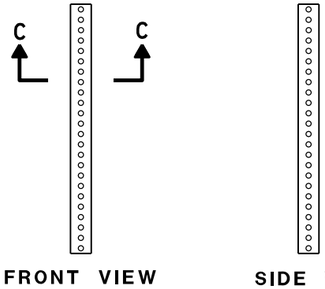
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

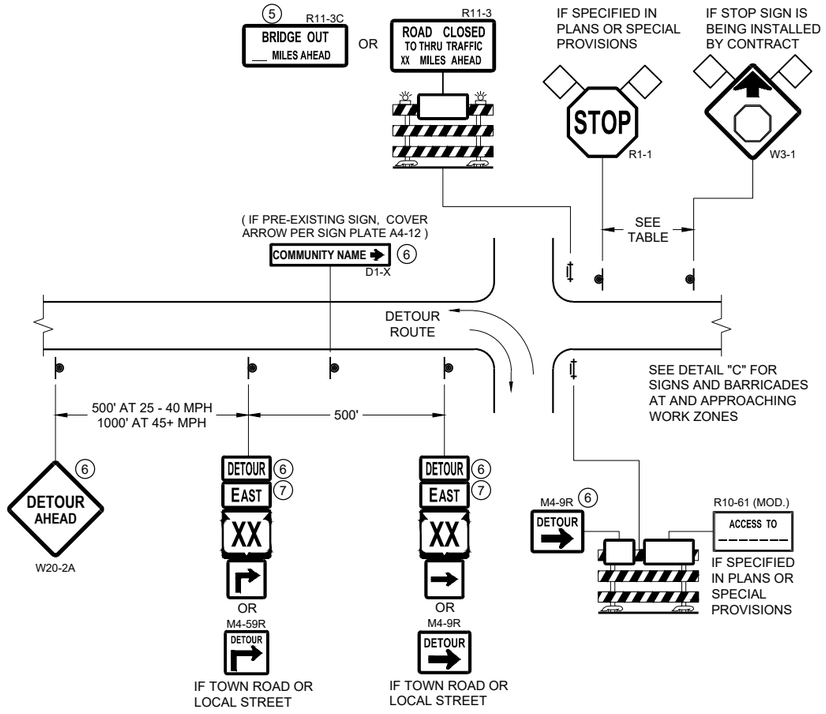
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

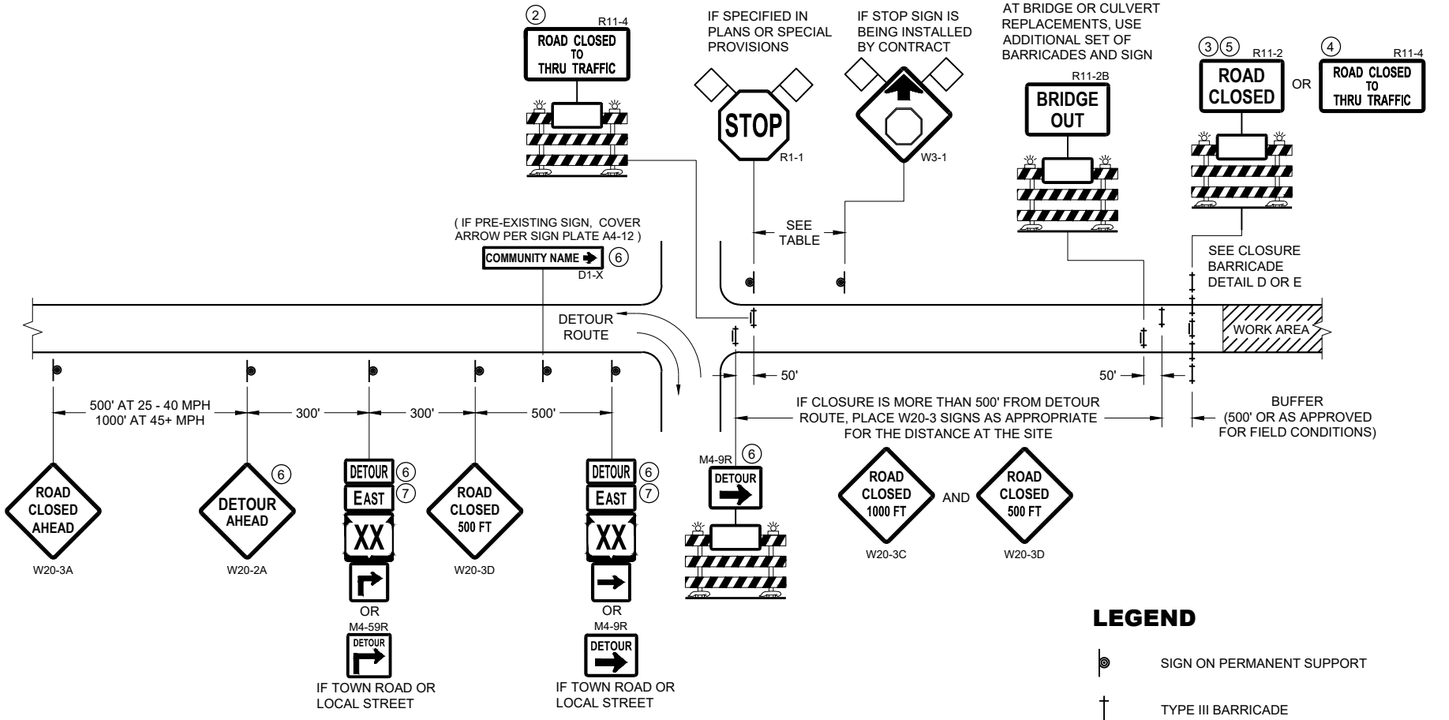
6

S.D.D. 15 A 3-2b



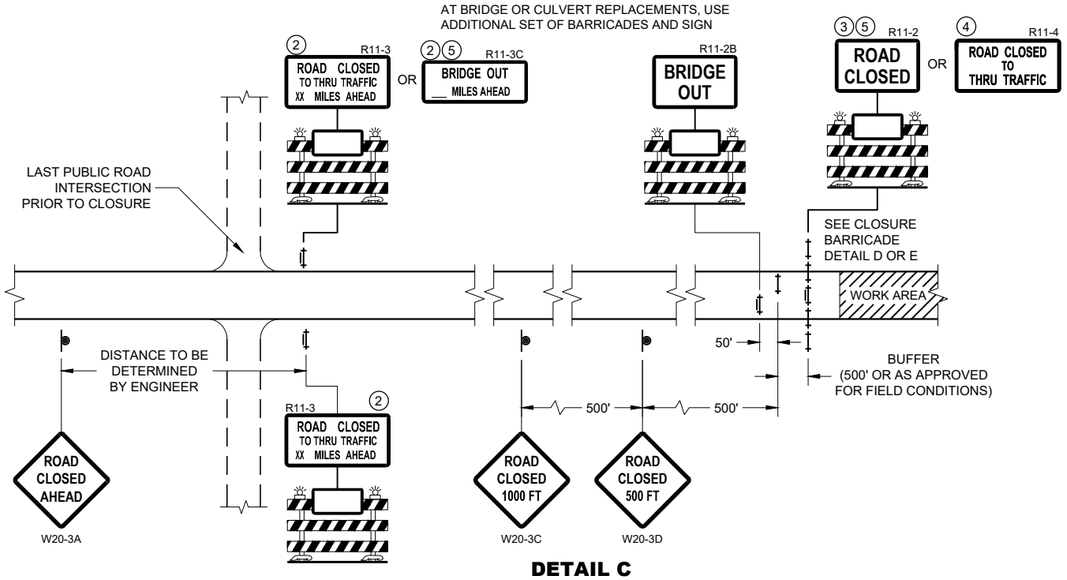
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

377

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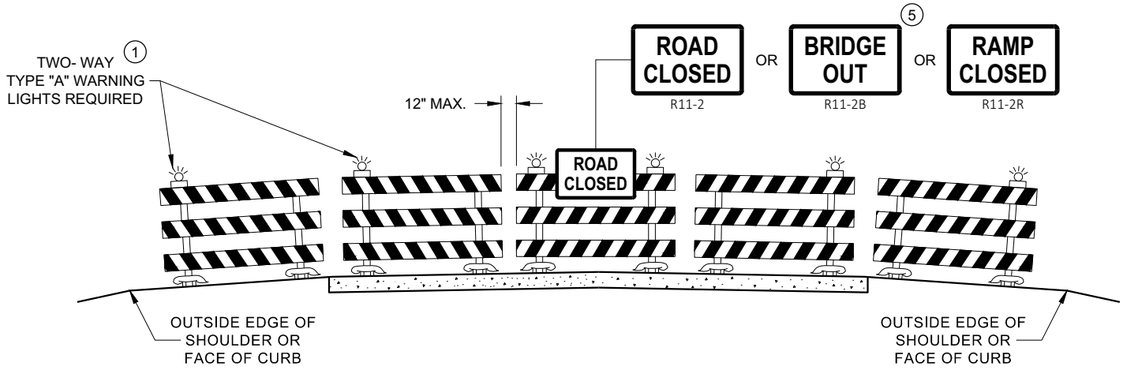
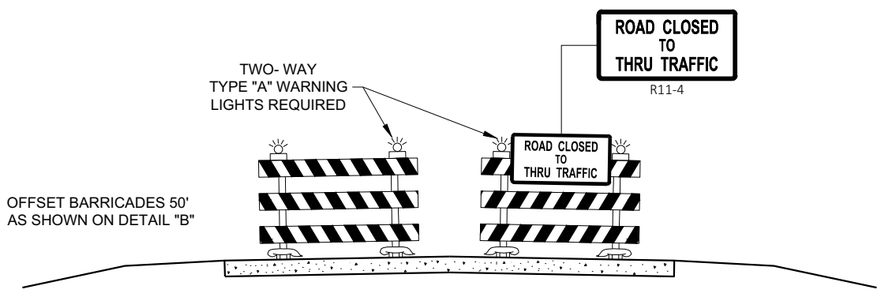
SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
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THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

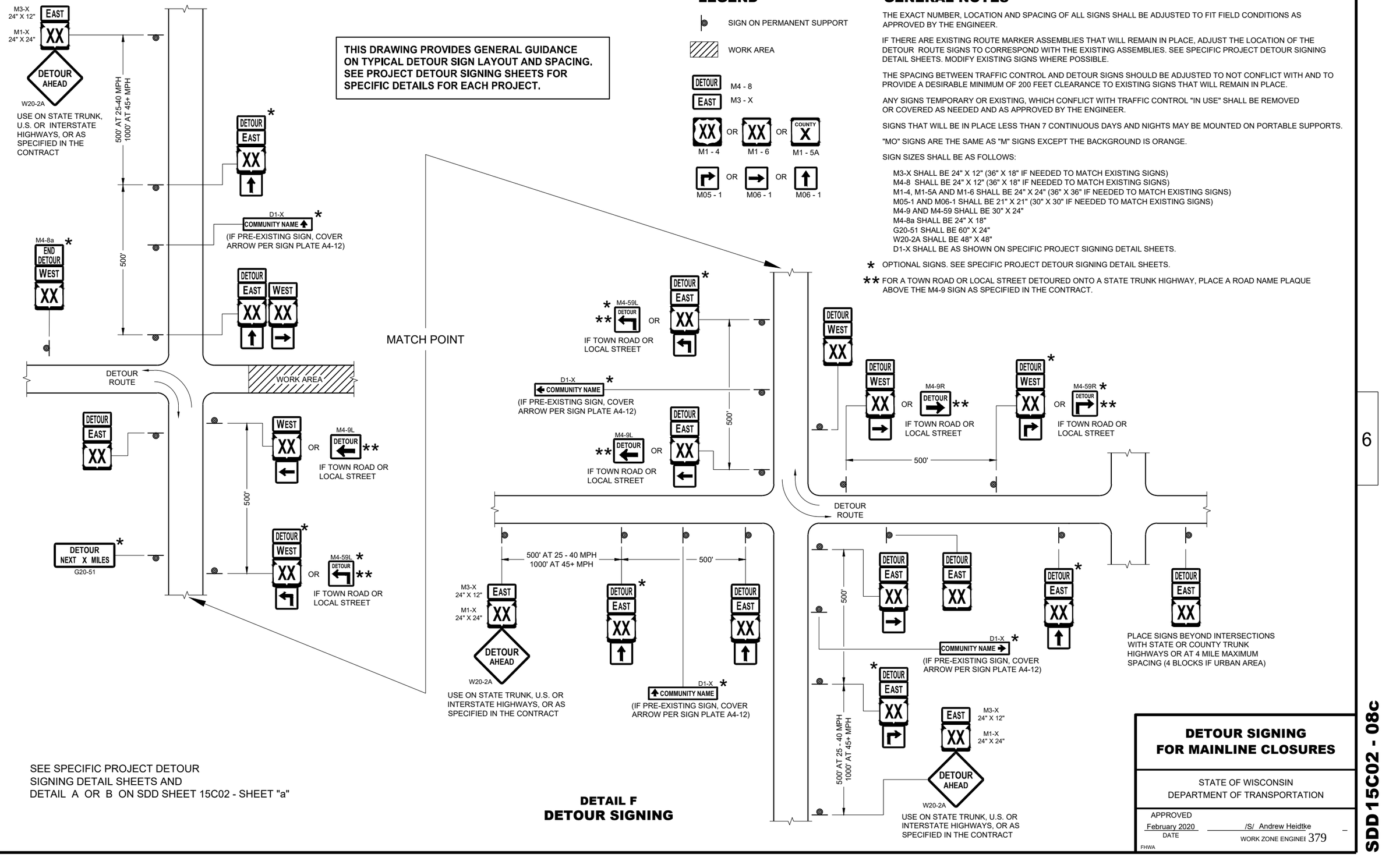
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15C02 - 08c

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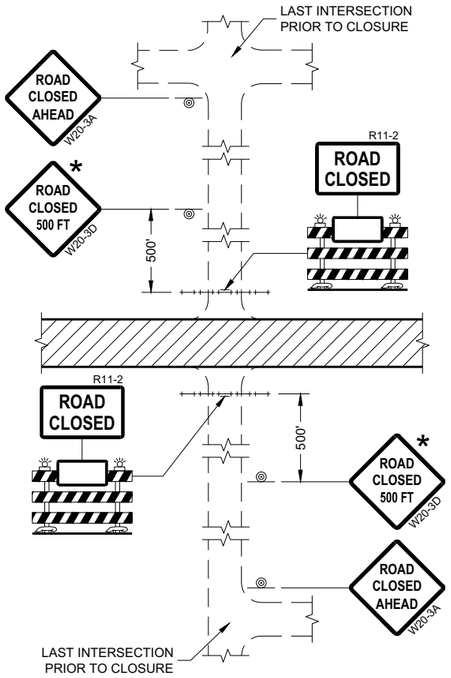
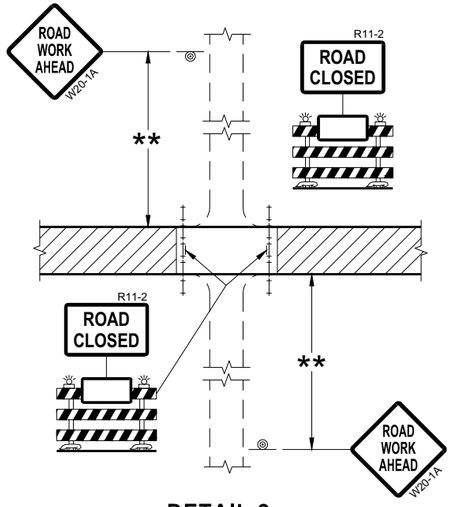


DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
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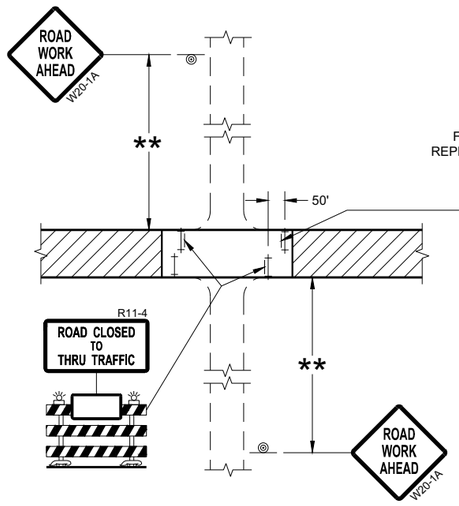
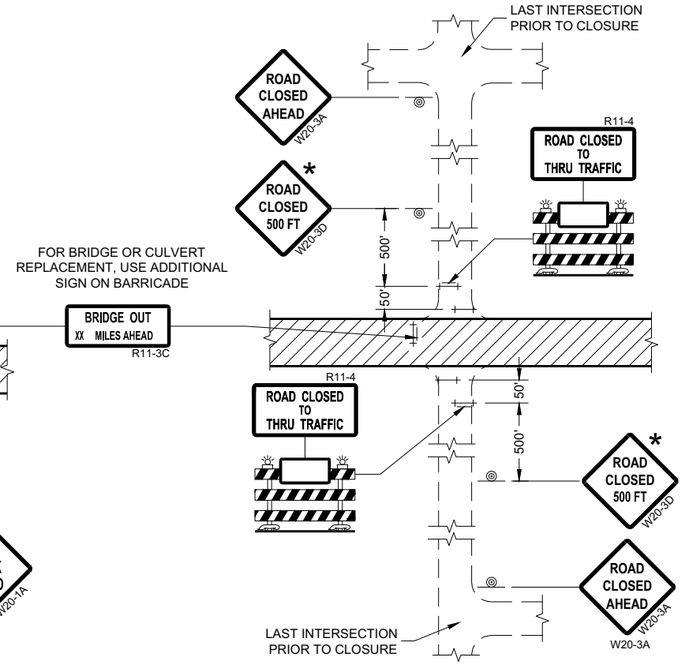
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15C03 - 05

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SDD 15C03 - 05

GENERAL NOTES

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

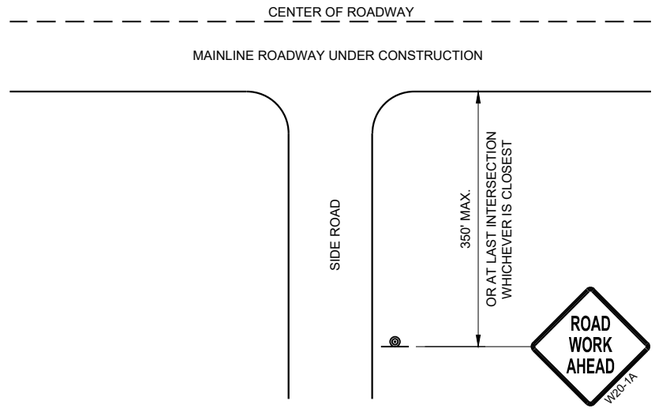
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN 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 REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



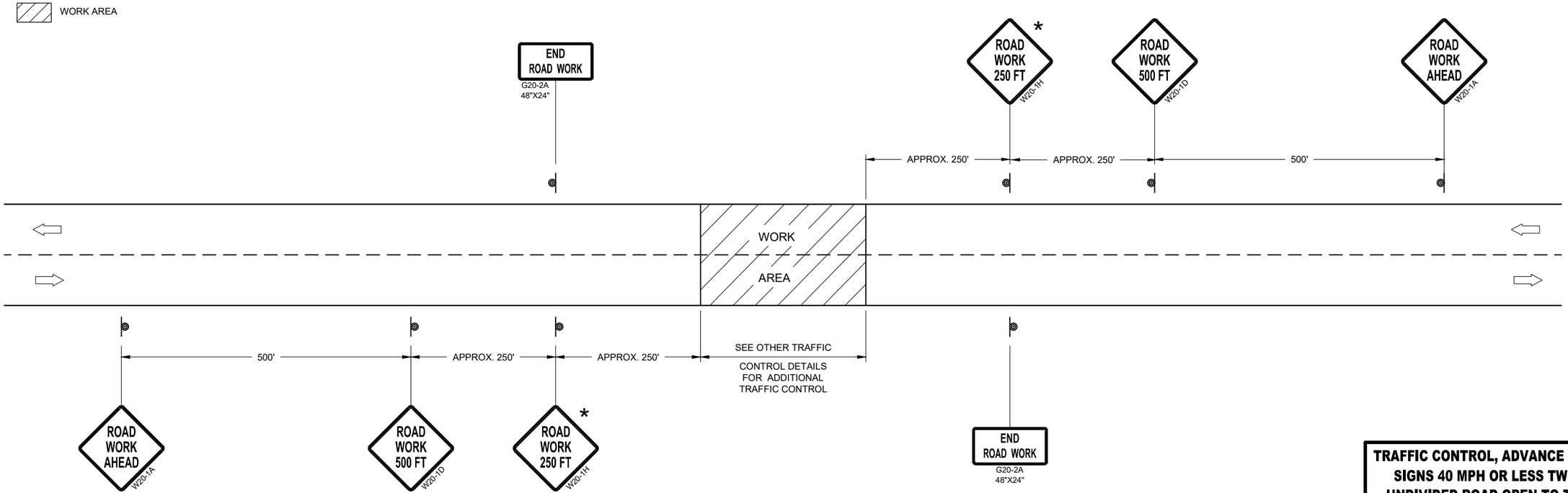
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

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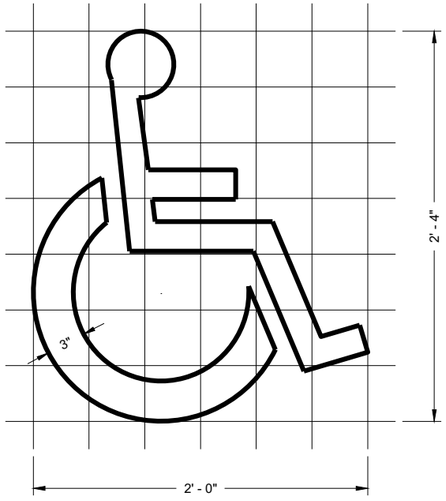
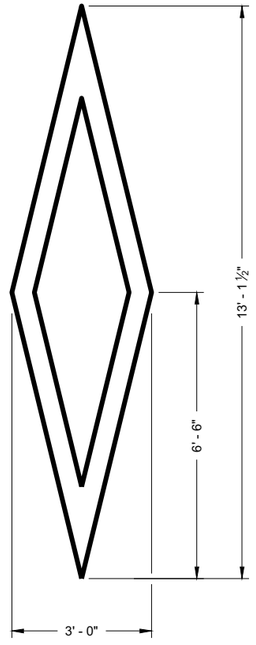
SDD 15C05 - 05

GENERAL NOTES

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



HANDICAP SYMBOL



PREFERENTIAL LANE SYMBOL

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SDD 15C07 - 15a

SDD 15C07 - 15a

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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November 2019
DATE

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STATE SIGNING AND MAR ENGINEER

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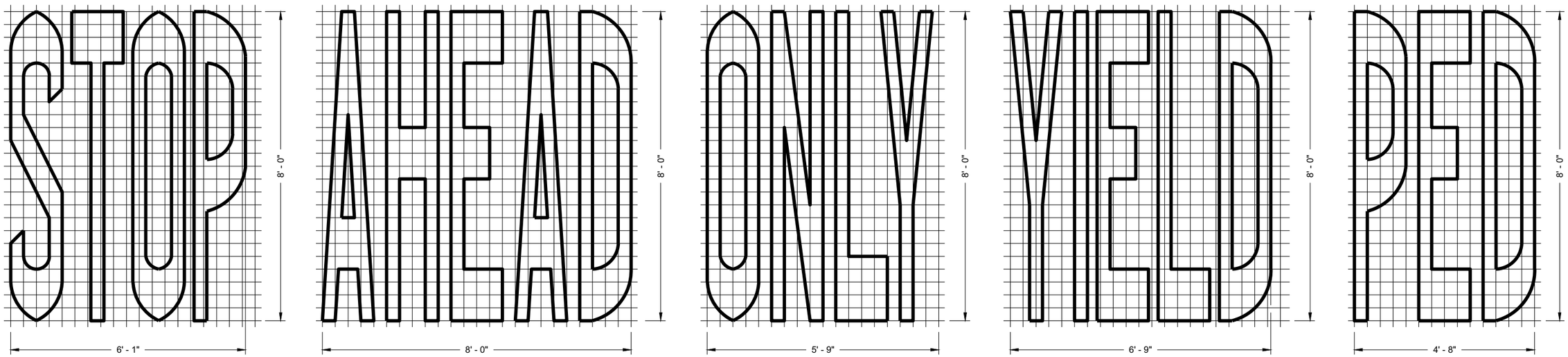
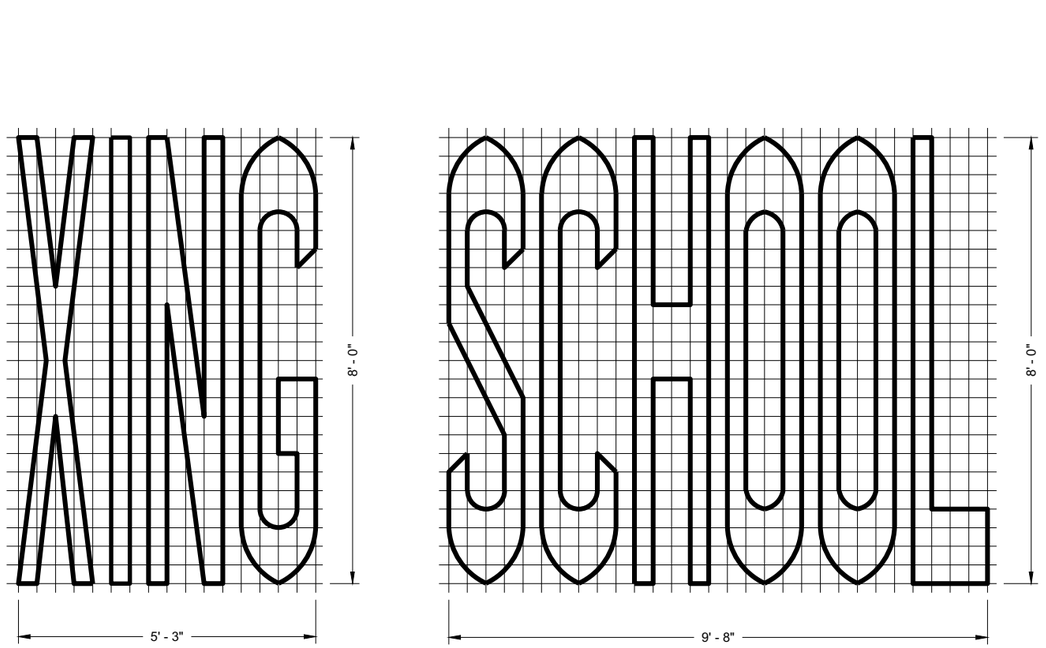
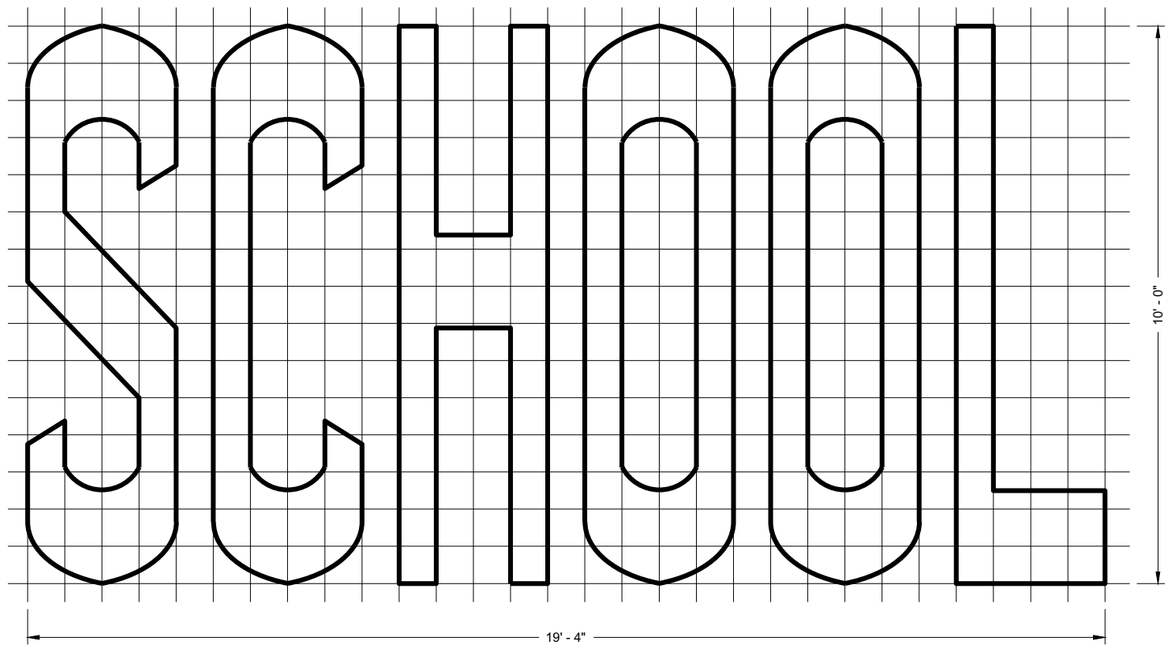




SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MARKING ENGINEER

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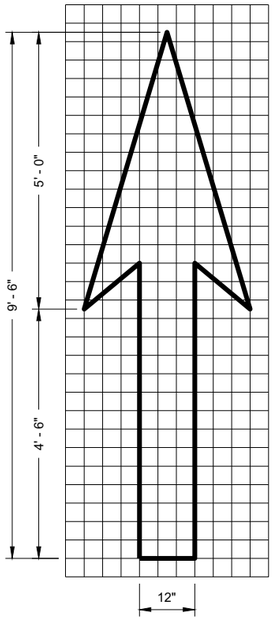
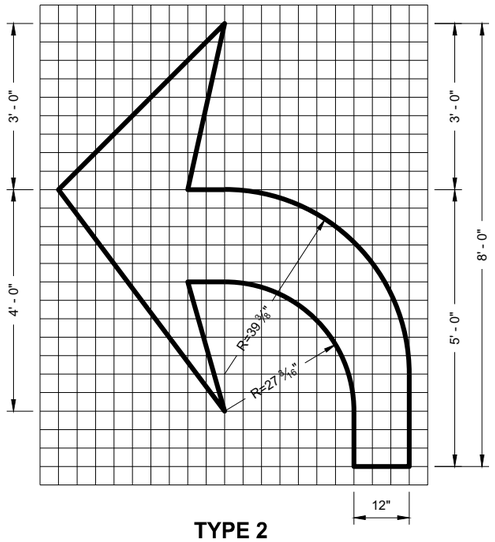
SDD 15C07 - 15b

GENERAL NOTES

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



TYPE 1



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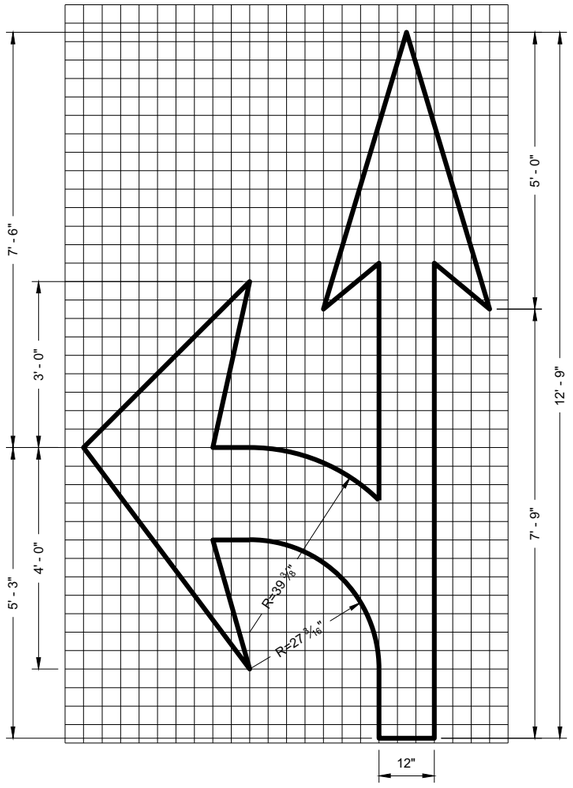

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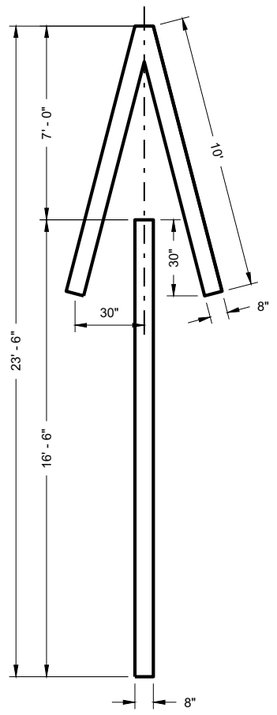

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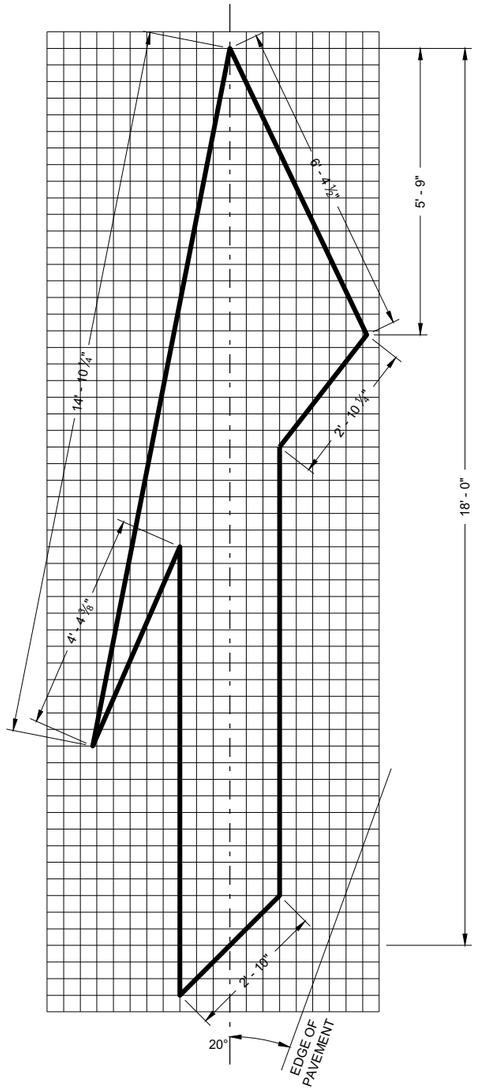
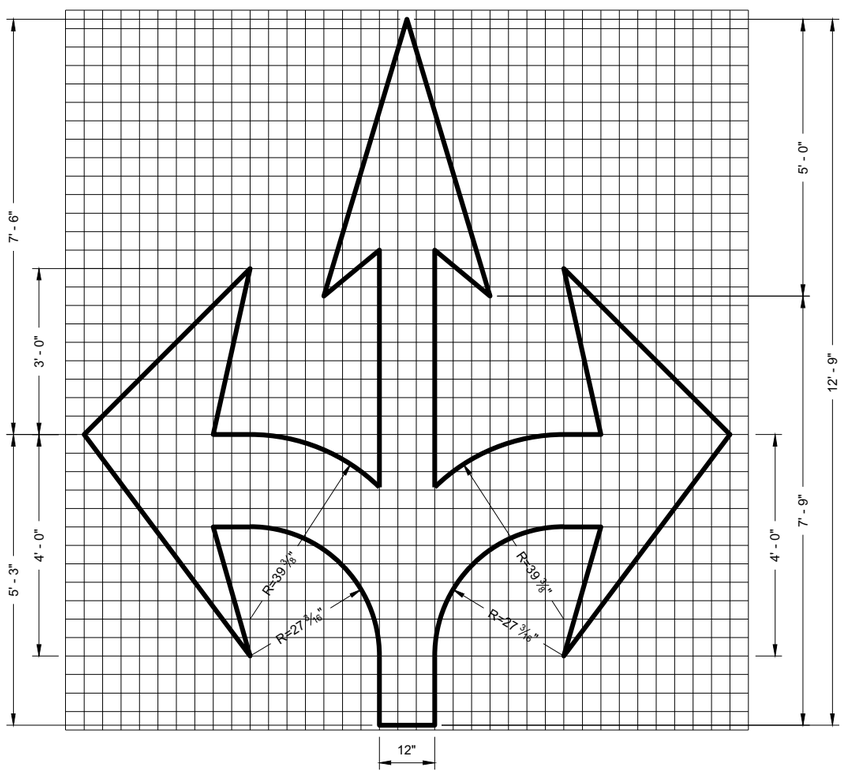


TYPE 5 LANE DROP ARROW



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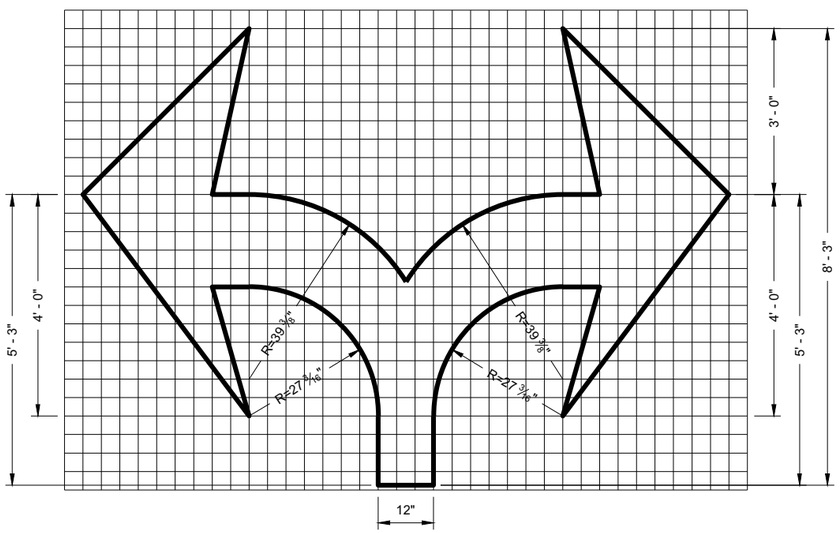

TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

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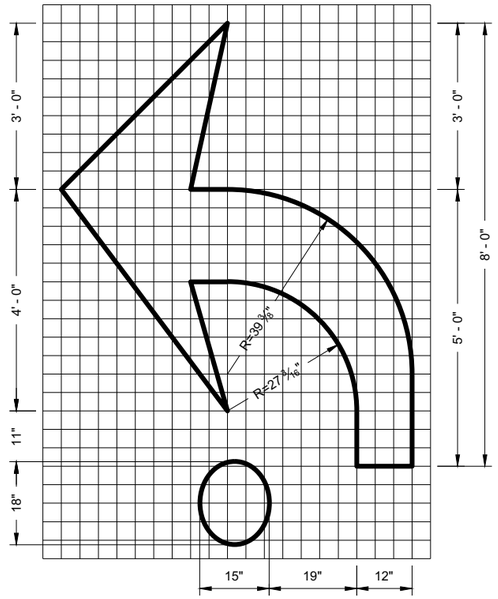
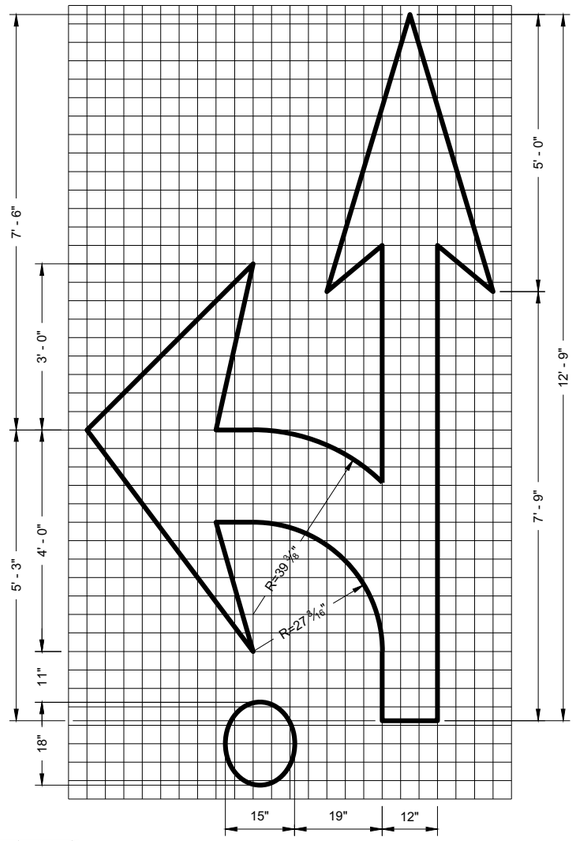
SDD 15C07 - 15c

GENERAL NOTES

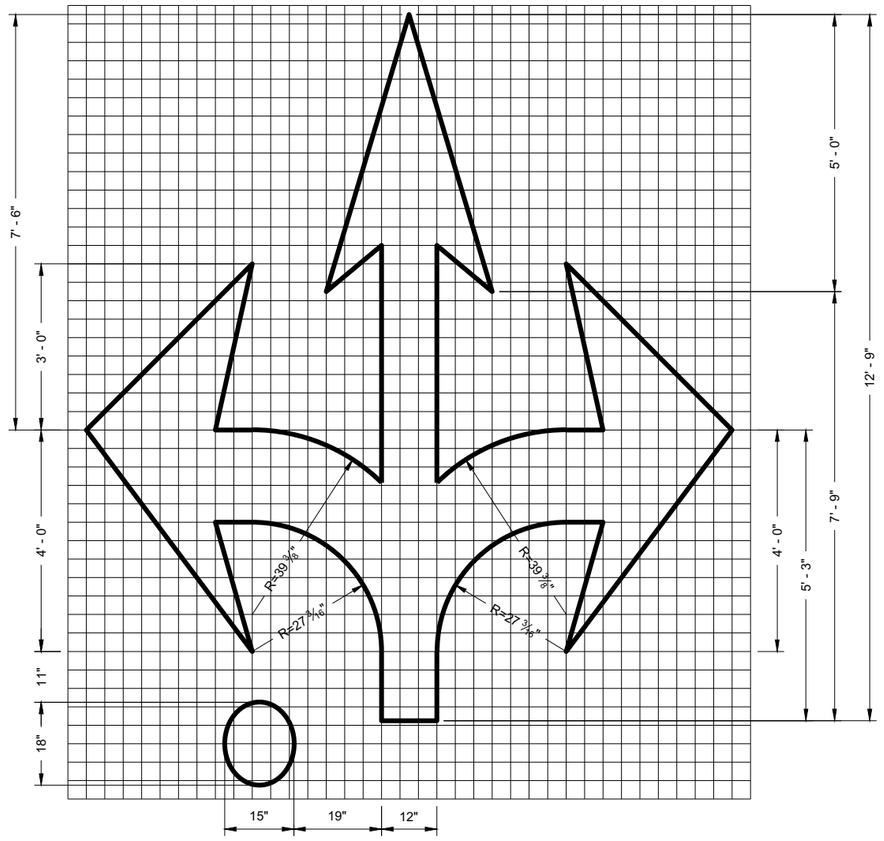
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



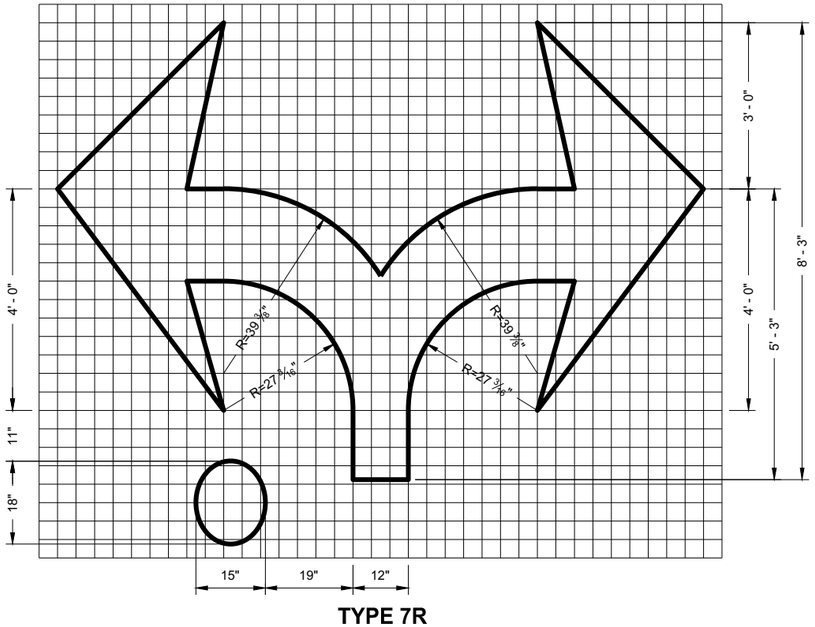
TYPE 2R



TYPE 3R



TYPE 6R



TYPE 7R

ROUNDABOUT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

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SDD 15C07 - 15d

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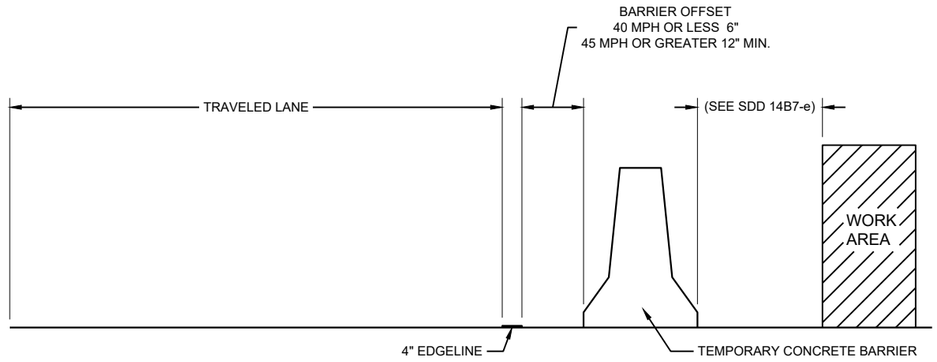
SDD 15C07 - 15d



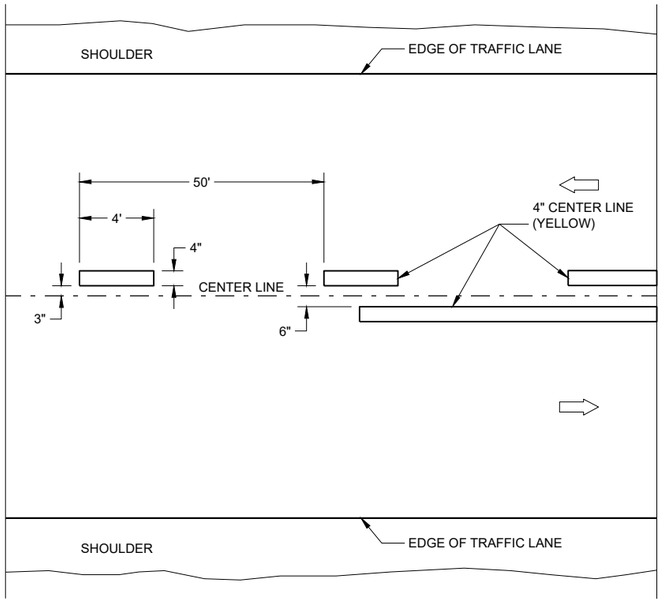
TEMPORARY BARRIER OFFSET FROM EDGELINE

GENERAL NOTES

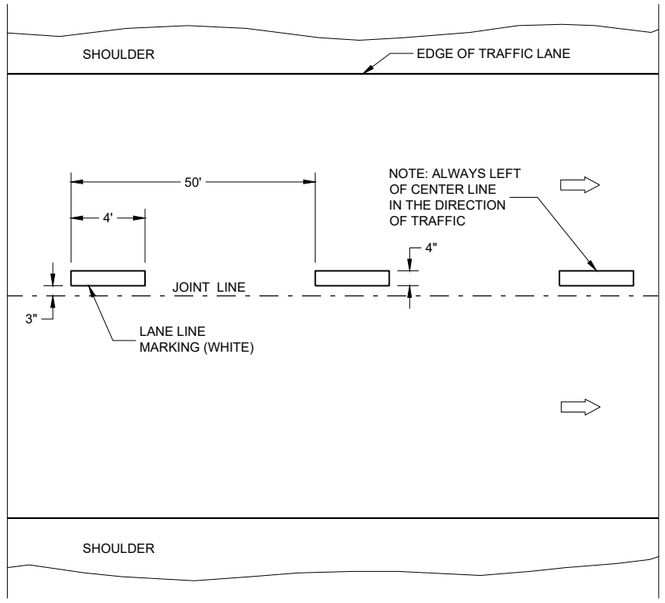
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

LEGEND

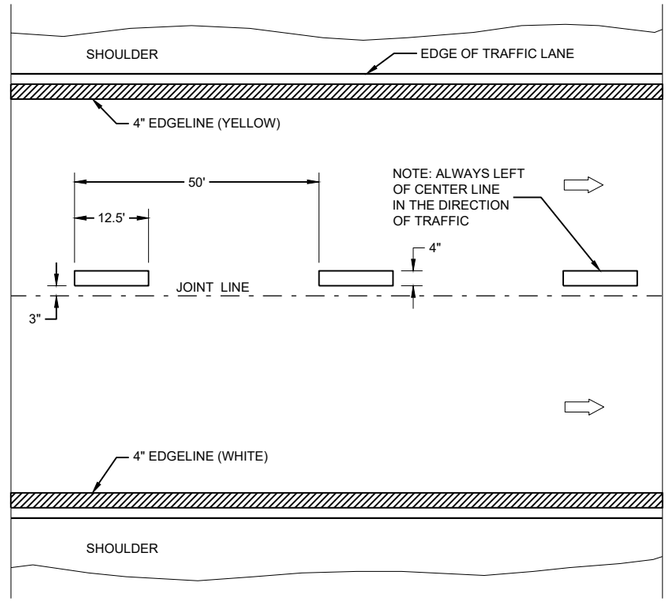
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

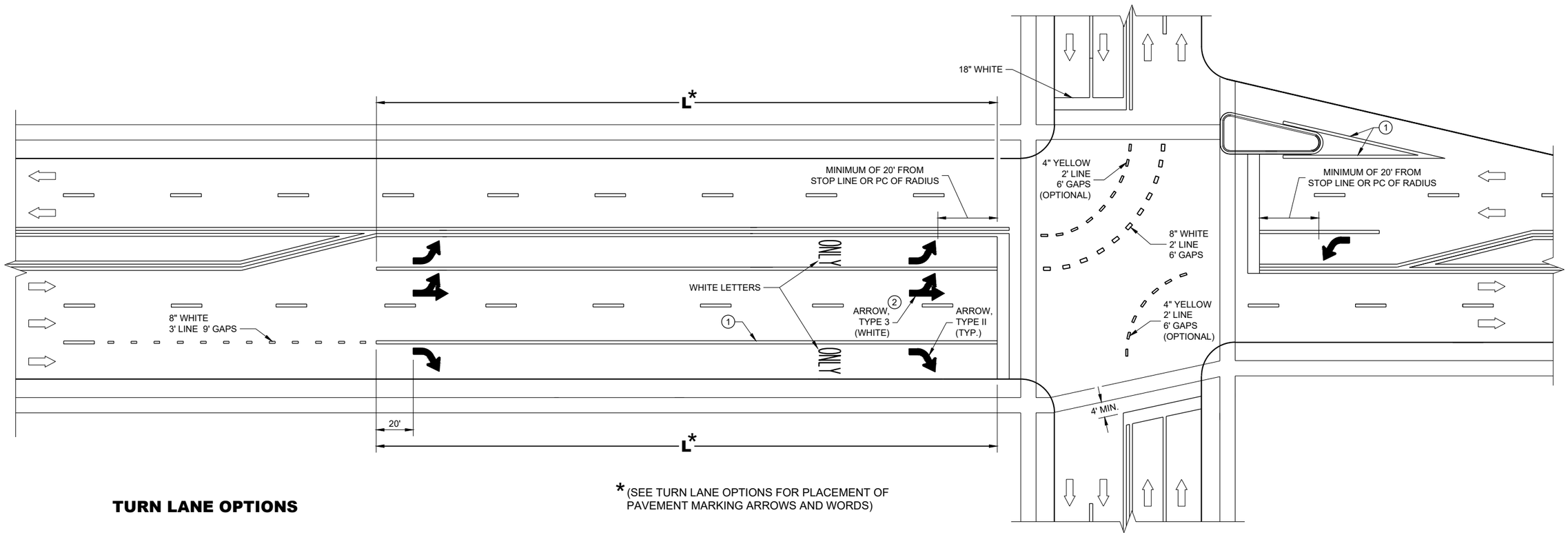
FHWA

6

SDD 15C08 - 22b

6

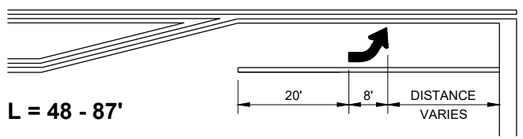
SDD 15C08 - 22b



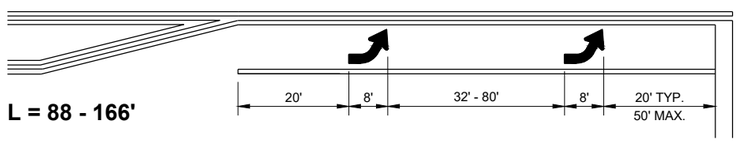
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

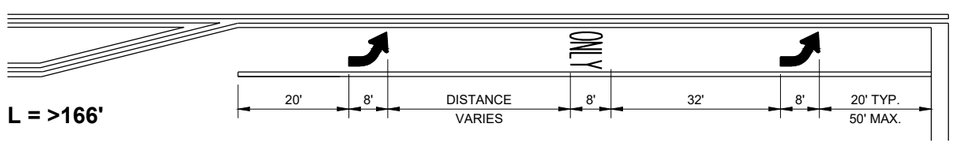
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

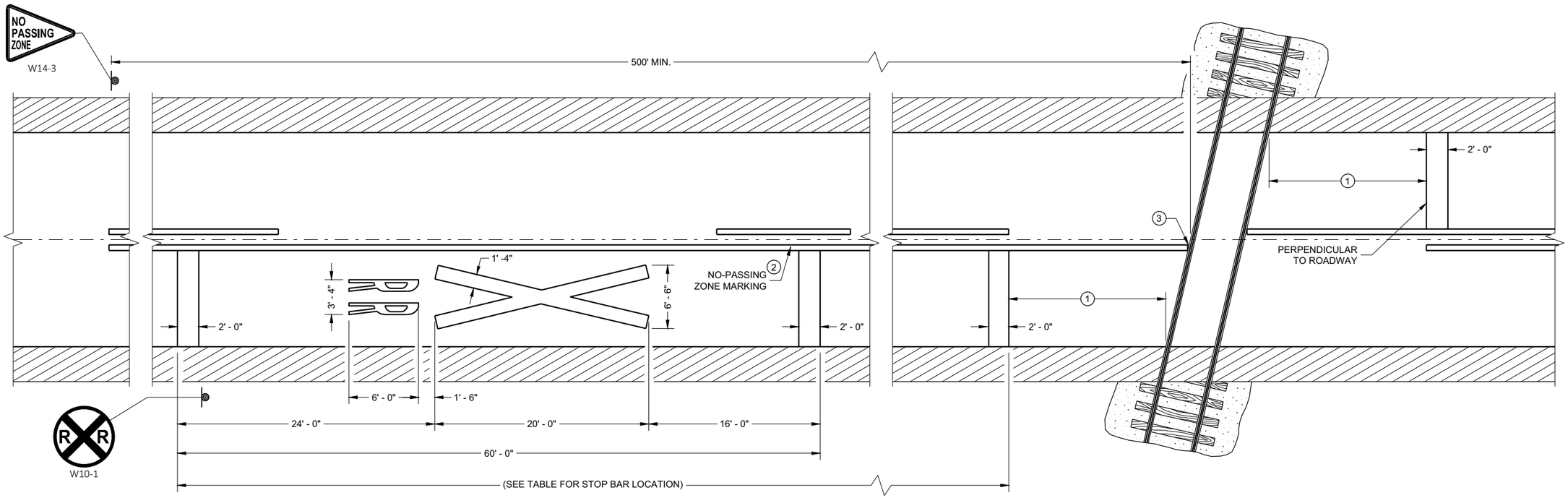
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08 - 22d



PAVEMENT MARKING

LEGEND

SIGN ON PERMANENT SUPPORT

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.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

TRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

(1) MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNAL , GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.

(2) 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.

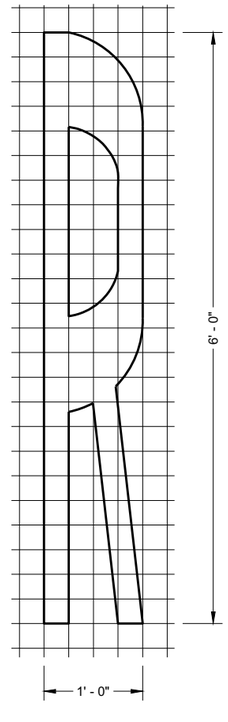
(3) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

DISTANCE TABLE

TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

POSTED SPEED (M.P.H.)	DIMENSION RANGE (FEET)
25	150* - 250'
30	200* - 300'
35	250* - 450'
40	300* - 500'
45	400* - 650'
50	550* - 800'
55	750* - 1000'
60	1000* - 1250'
65	1000* - 1250'

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSED PROXIMITY OF DRIVEWAYS, BRIDGES, SIDE ROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.



SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

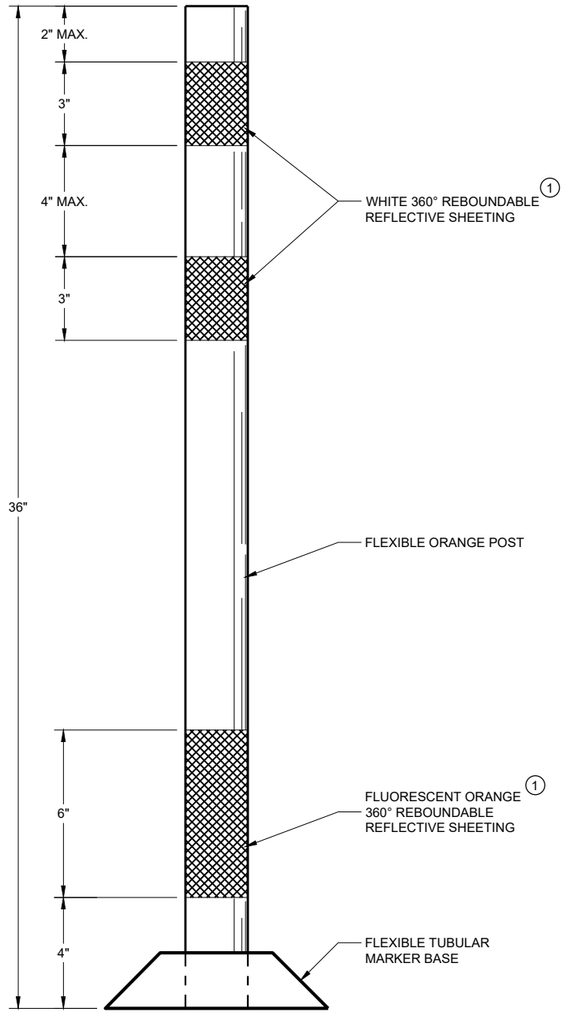
/S/ Matthew R. Rauch
STATE SIGNING AND MAR ENGINEER

FHWA

6

SDD 15C09 - 12a

SDD 15C09 - 12a



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 THE APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

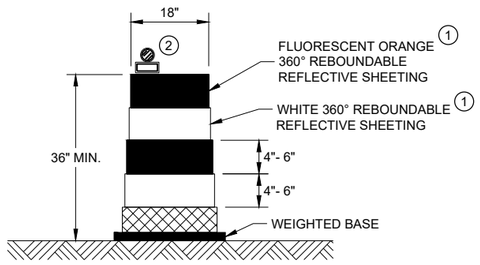
6

SDD 15C11 - 10a

SDD 15C11 - 10a

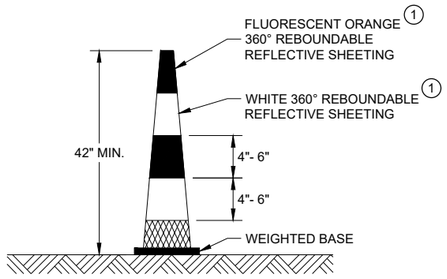
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

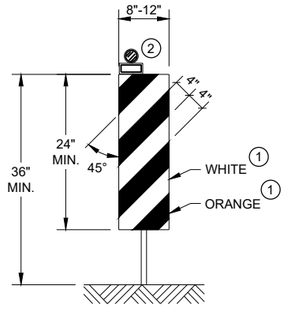
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

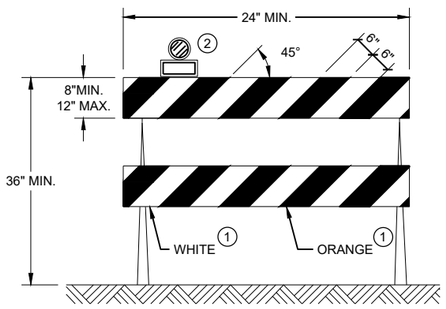
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



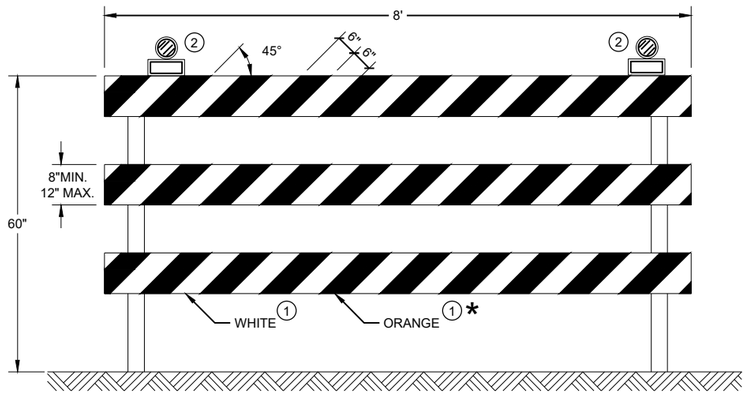
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C11 - 10b

6

SDD 15C11 - 10b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

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

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR 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.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

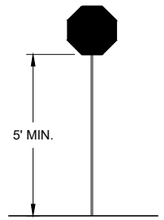
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



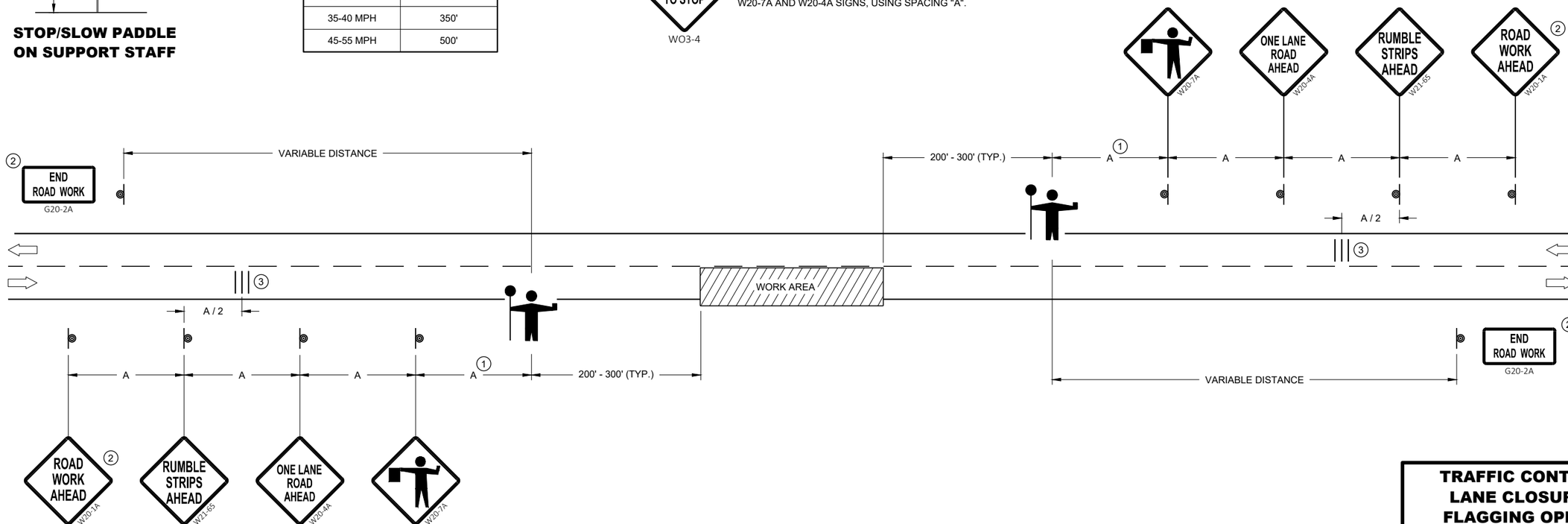
STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

SDD 15C12 - 09a

SDD 15C12 - 09a

GENERAL NOTES

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL CONE 42-INCH

TRAFFIC CONTROL DRUM

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

AFAD — AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

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

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR 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.

FLAGGING

IF THE AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) STOPS WORKING, FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

(1) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(2) IF FLAGGERS ARE PHYSICALLY NEEDED TO FLAG, REPLACE WO3-4 SIGNS WITH W20-7A SIGNS.

TEMPORARY PORTABLE RUMBLE STRIPS

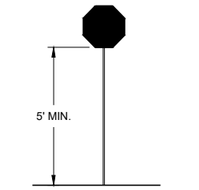
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

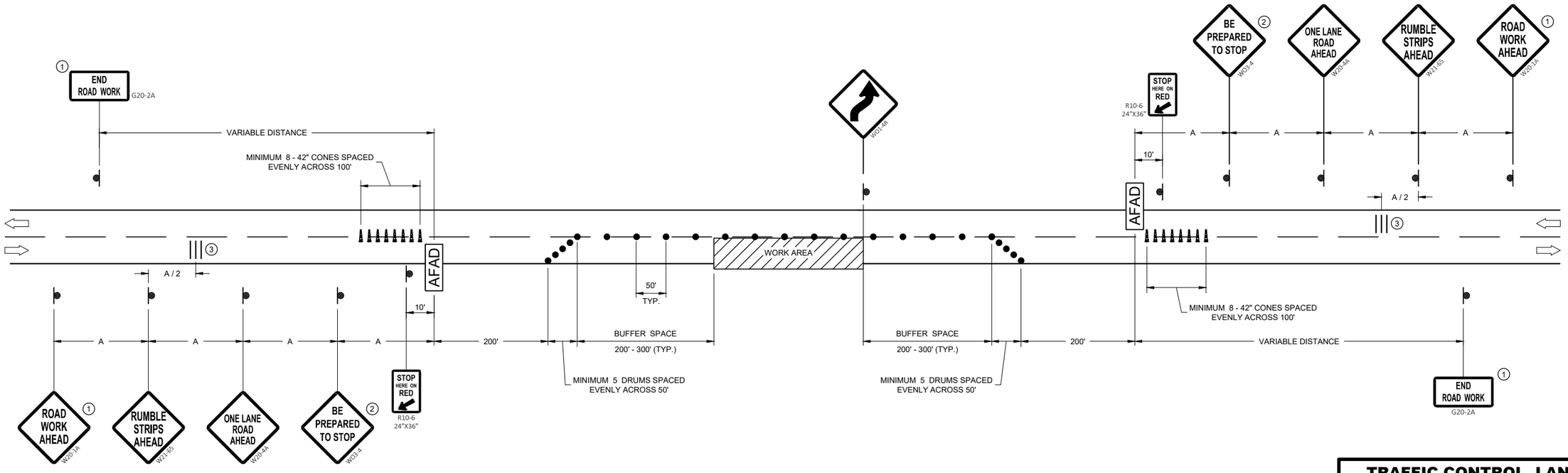
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSELY AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER.



STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



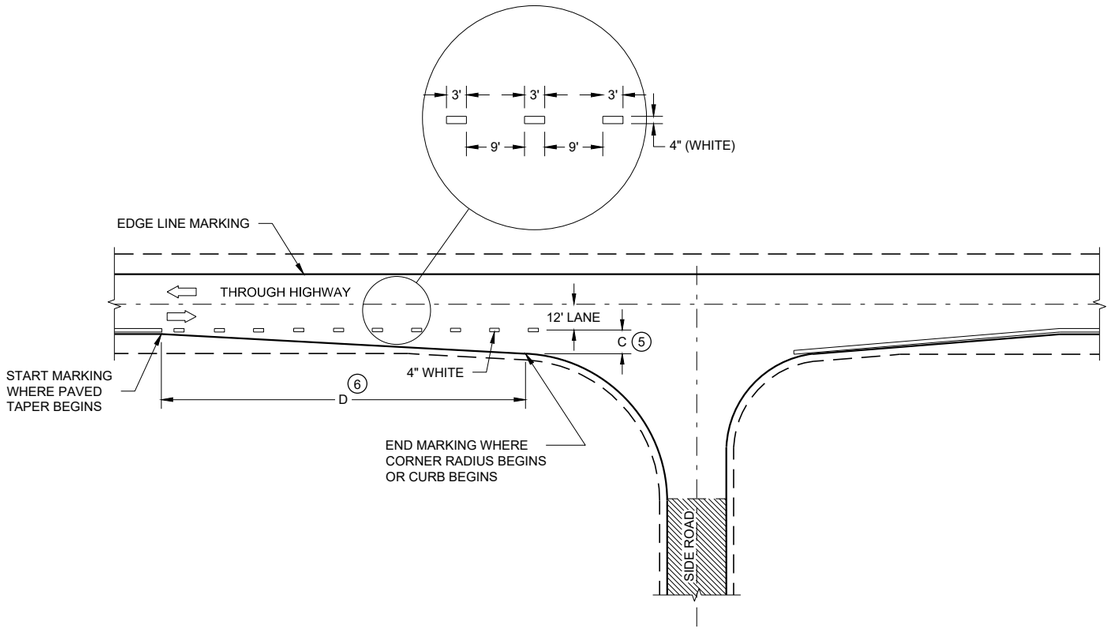
TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

SDD 15C12 - 09b

SDD 15C12 - 09b



MINOR INTERSECTION

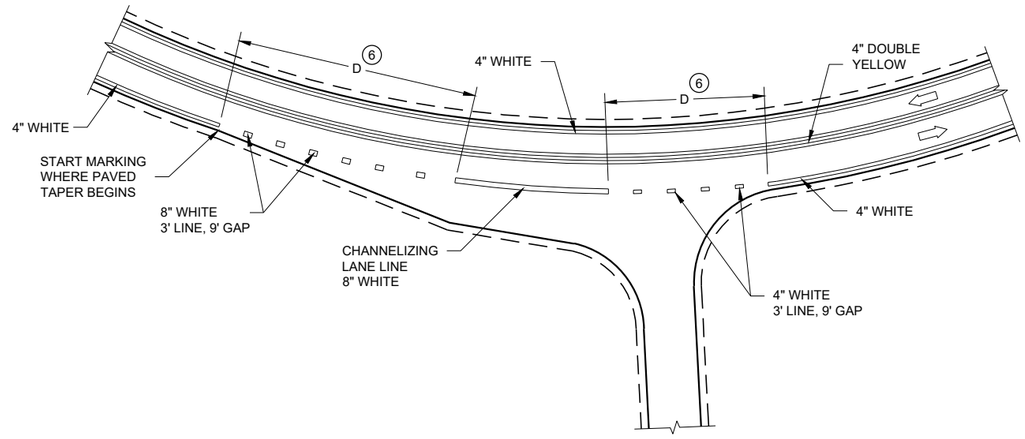
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

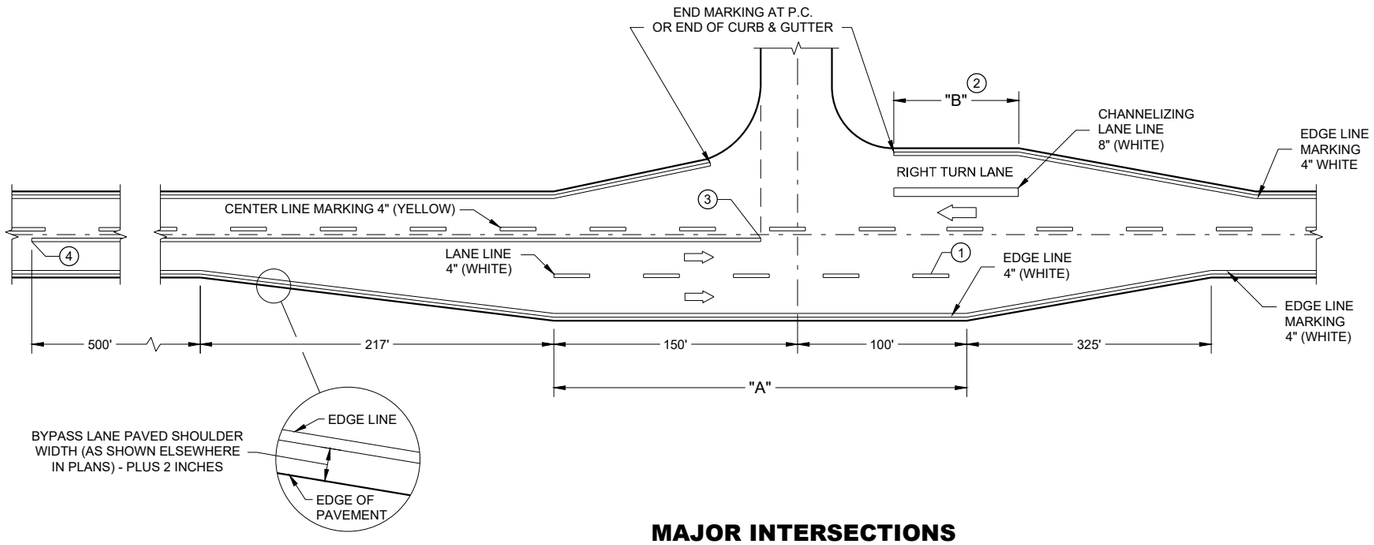
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

6

SDD 15C35 - 05a

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 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE 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 OR AS APPROVED BY THE ENGINEER.

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

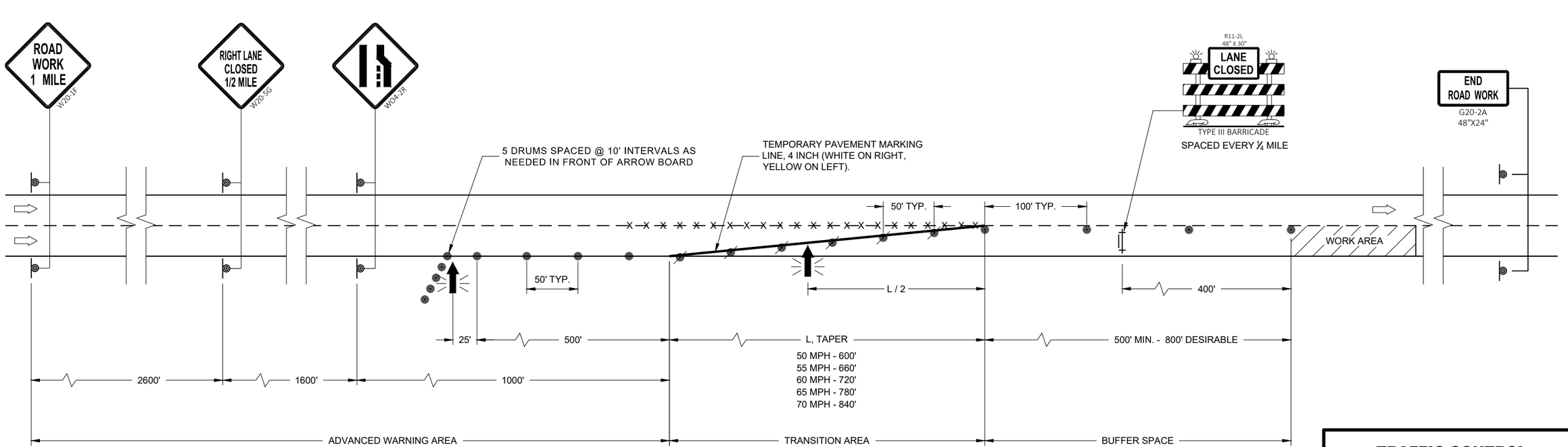
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF 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 ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D12 - 10a

6

SDD 15D12 - 10a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN 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.

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 TEMPORARY SUPPORTS.

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 TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

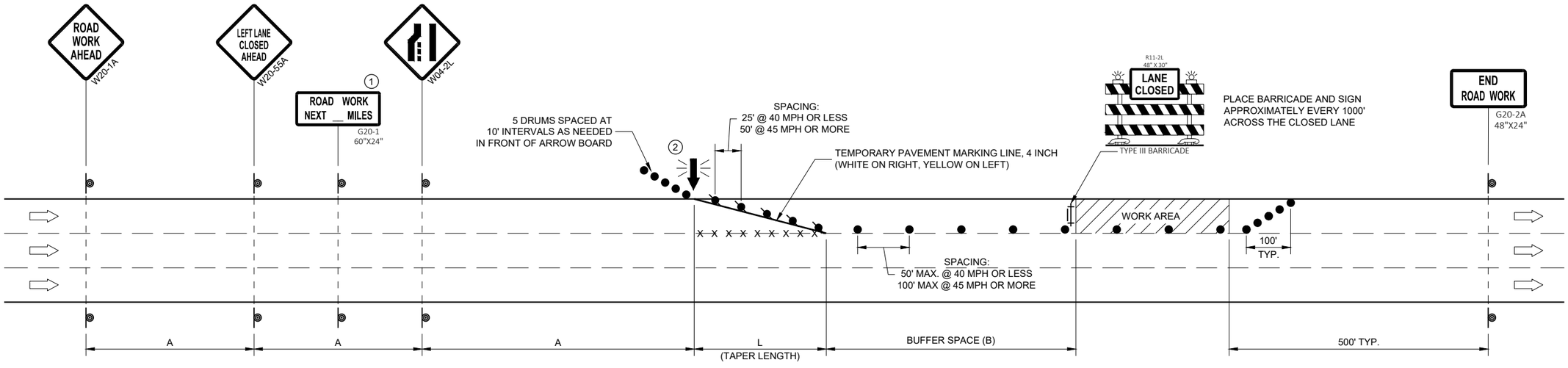
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

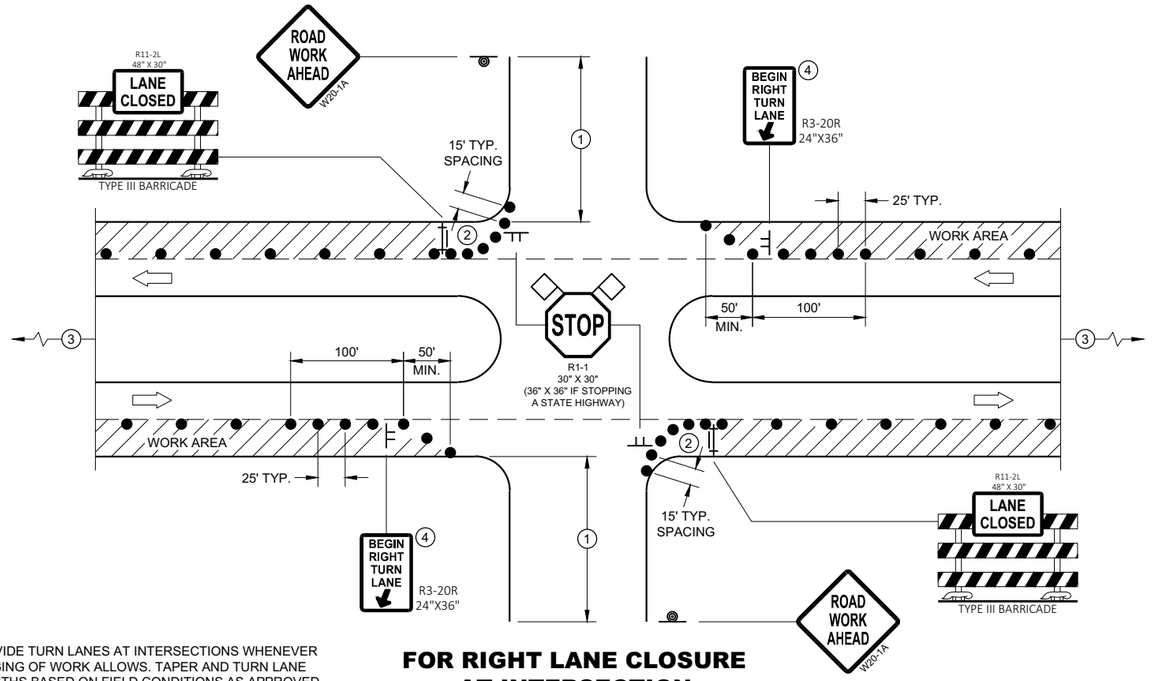
APPROVED
February 2022
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D20 - 06a

SDD15D20 - 06a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT LANE CLOSURE AT INTERSECTION

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN 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.

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 TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

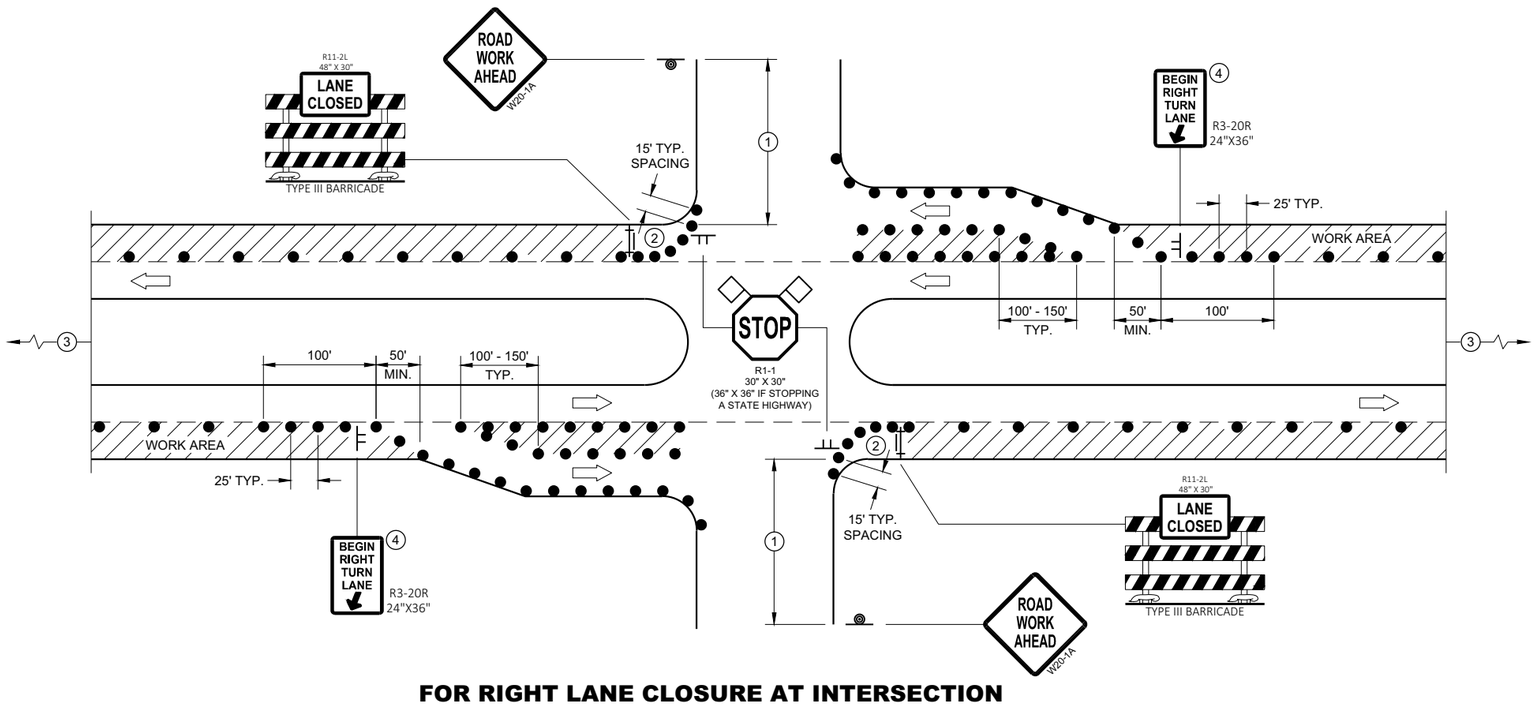
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

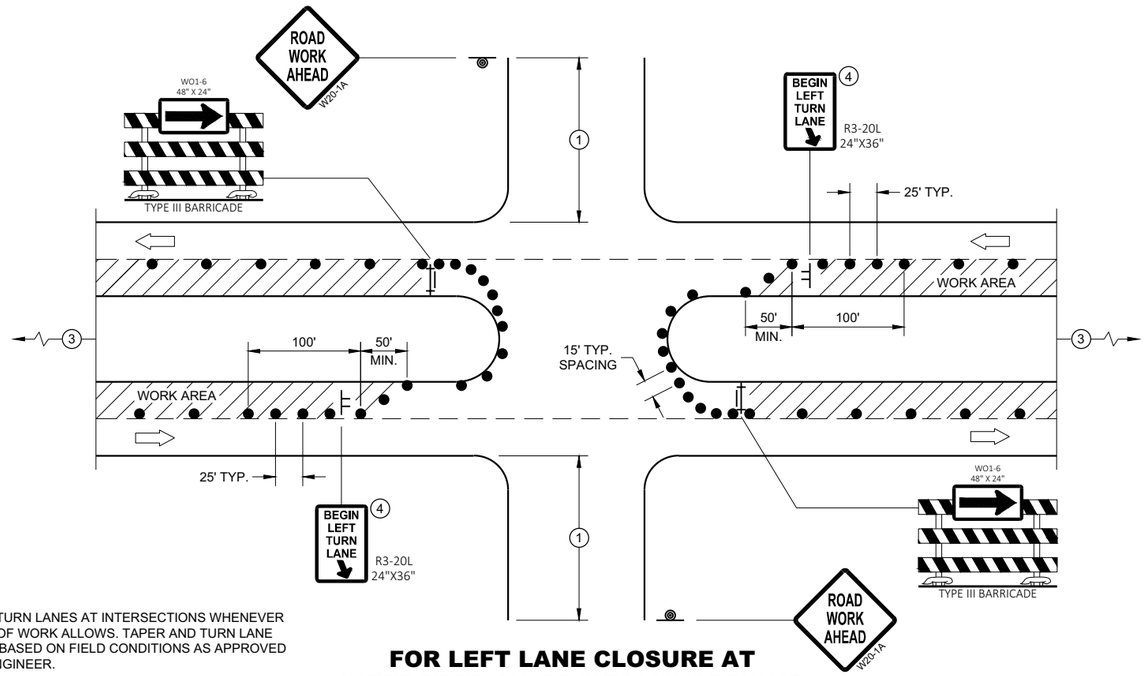
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN 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.

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 TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

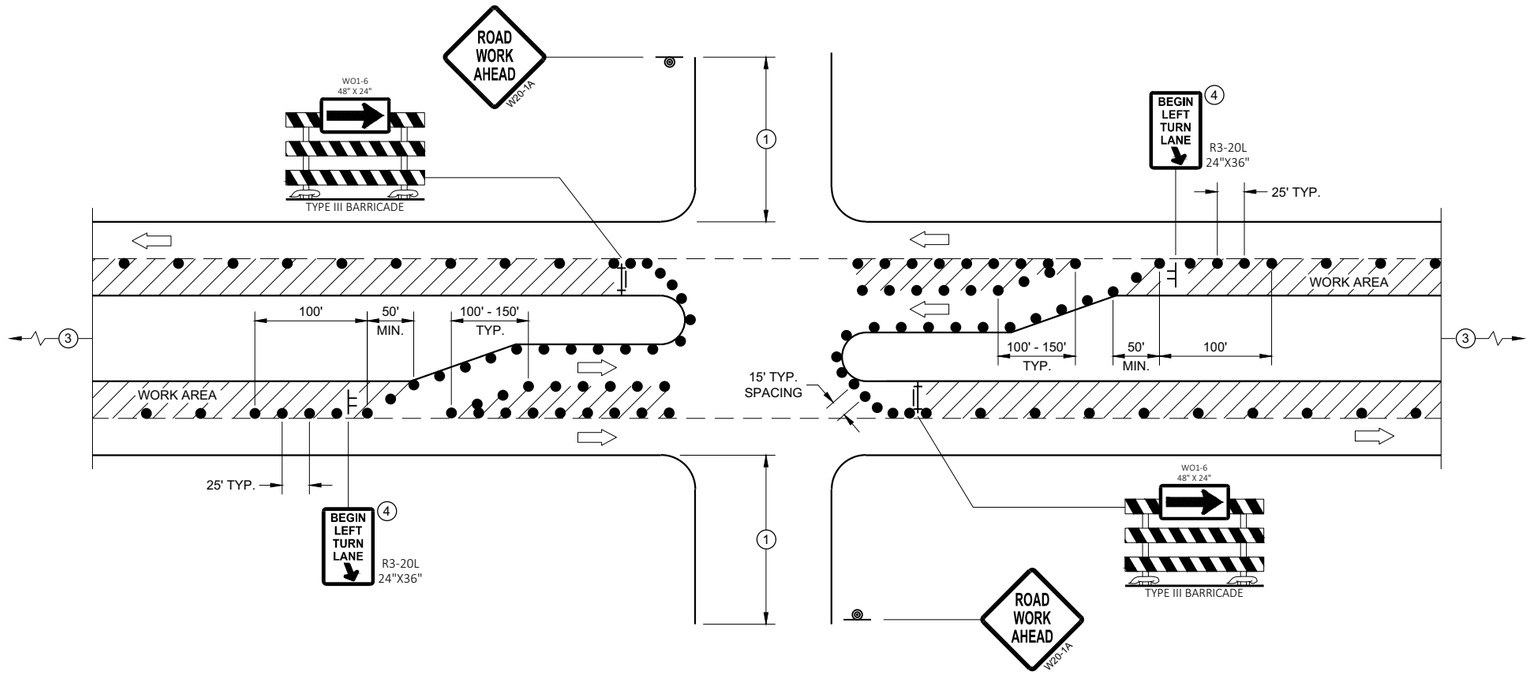
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

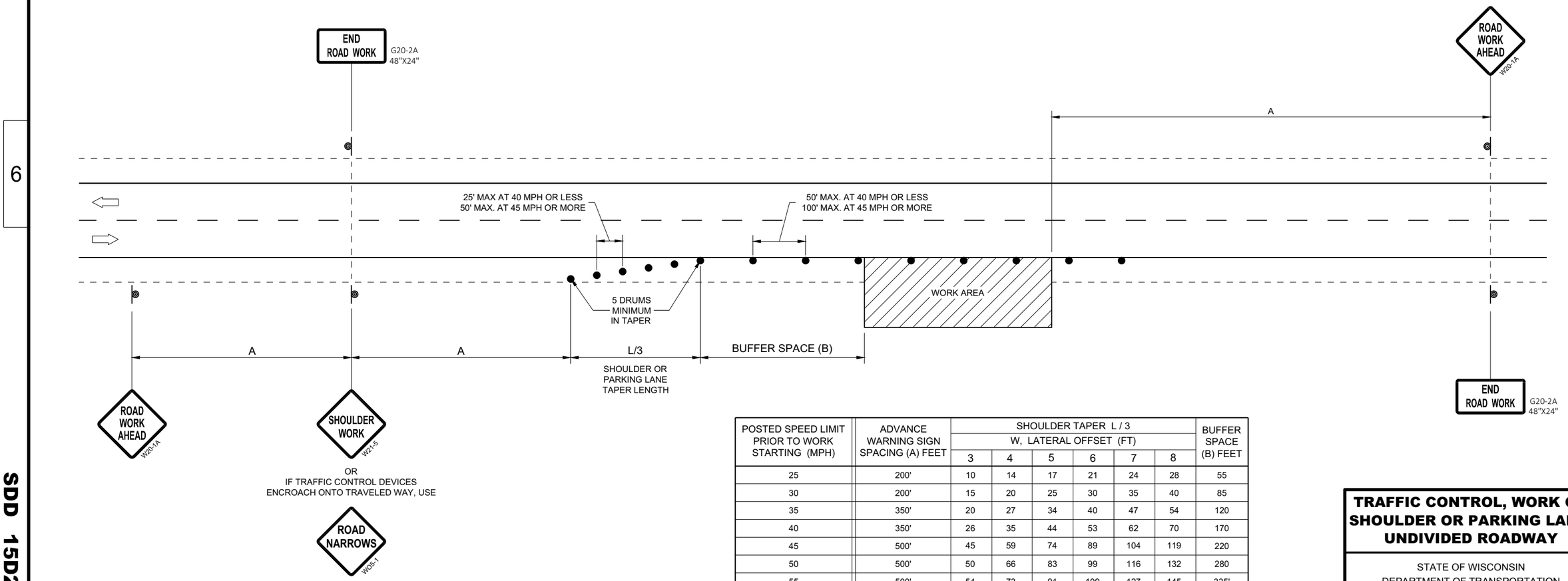
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

6

SDD 15D28 - 04

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

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 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 LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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 1500 FEET IN FRONT OF DRUMS.

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

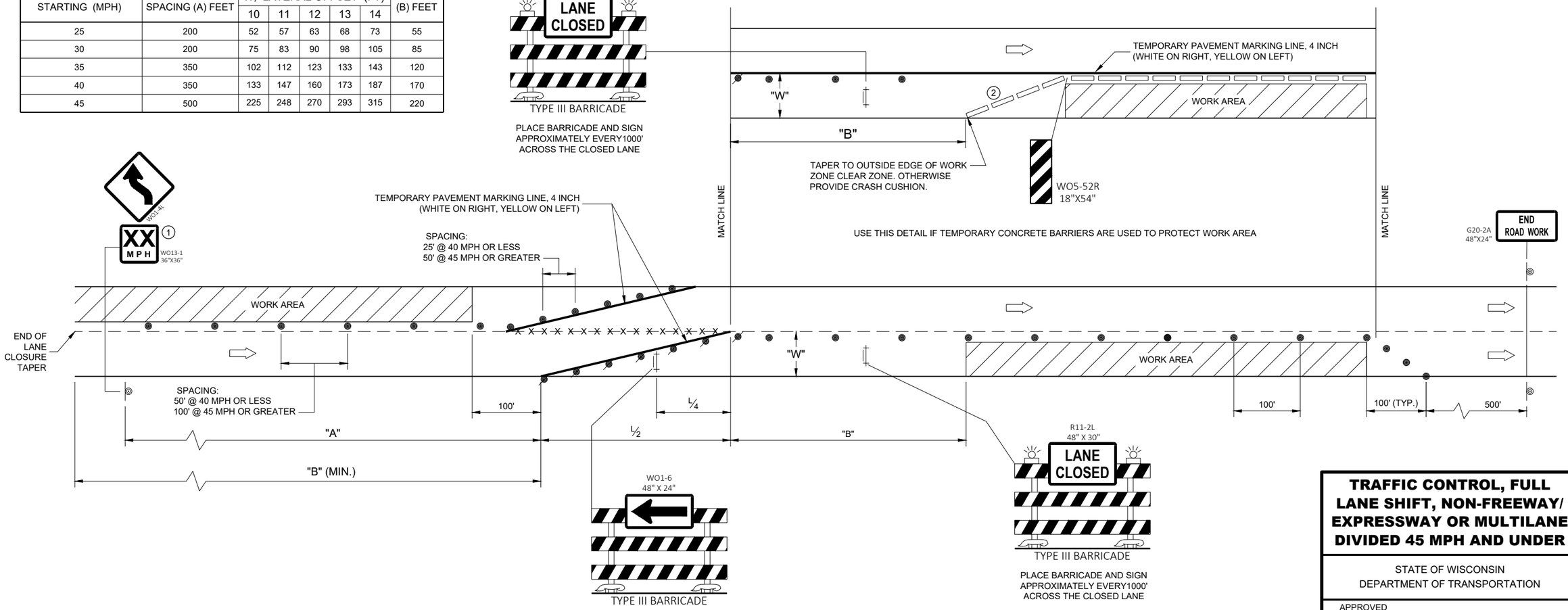
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER
SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP 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.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					BUFFER SPACE (B) FEET
		10	11	12	13	14	
25	200	52	57	63	68	73	55
30	200	75	83	90	98	105	85
35	350	102	112	123	133	143	120
40	350	133	147	160	173	187	170
45	500	225	248	270	293	315	220

PLACE BARRICADE AND SIGN APPROXIMATELY EVERY1000' ACROSS THE CLOSED LANE



TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D40 - 04a

6

SDD 15D40 - 04a

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)				
	10	11	12	13	14
50	250	275	300	325	350
55	275	303	330	358	385
60	300	330	360	390	420
65	325	358	390	423	455
70	350	385	420	455	490

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 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 LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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 1500 FEET IN FRONT OF DRUMS.

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

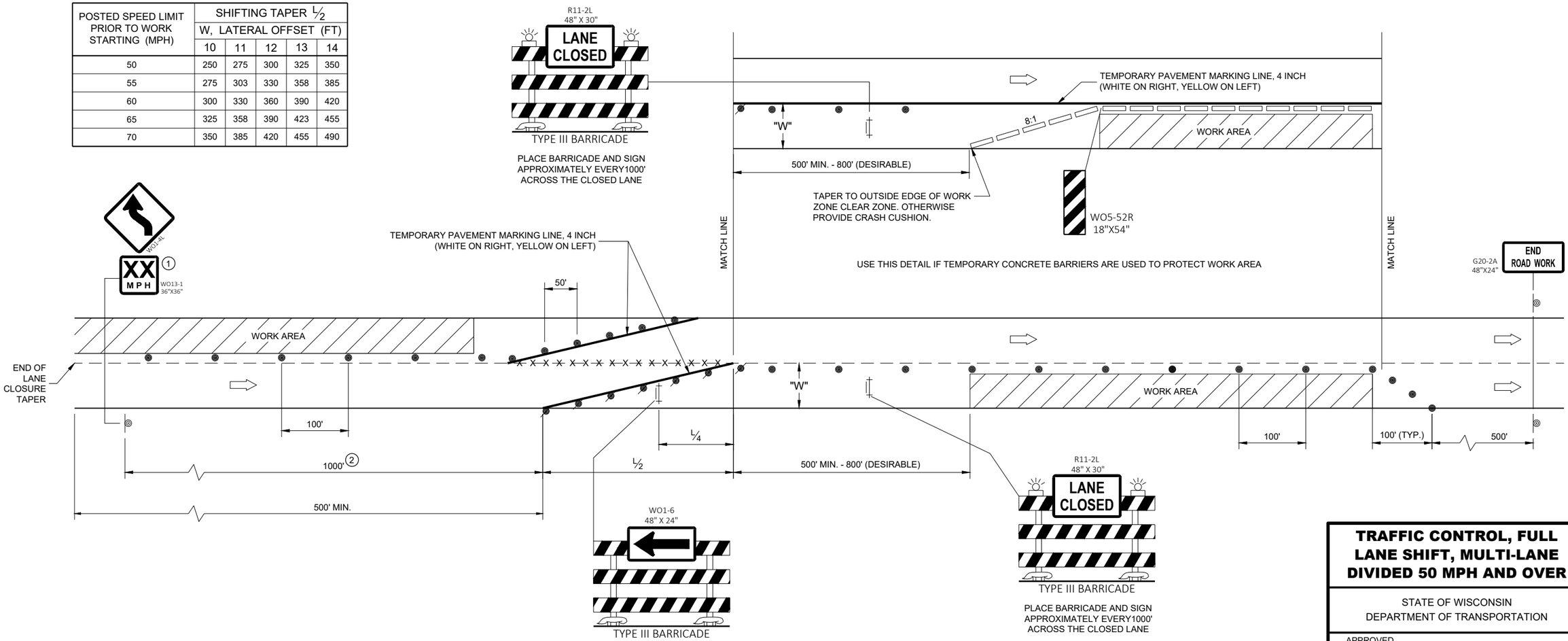
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT 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.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) IF BEGINNING OF LANE SHIFT IS 1200' OF LESS FROM THE END OF THE LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE LANE CLOSURE TAPER.



TRAFFIC CONTROL, FULL LANE SHIFT, MULTI-LANE DIVIDED 50 MPH AND OVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15D40 - 04b

6

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

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 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 LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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 1500 FEET IN FRONT OF DRUMS.

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

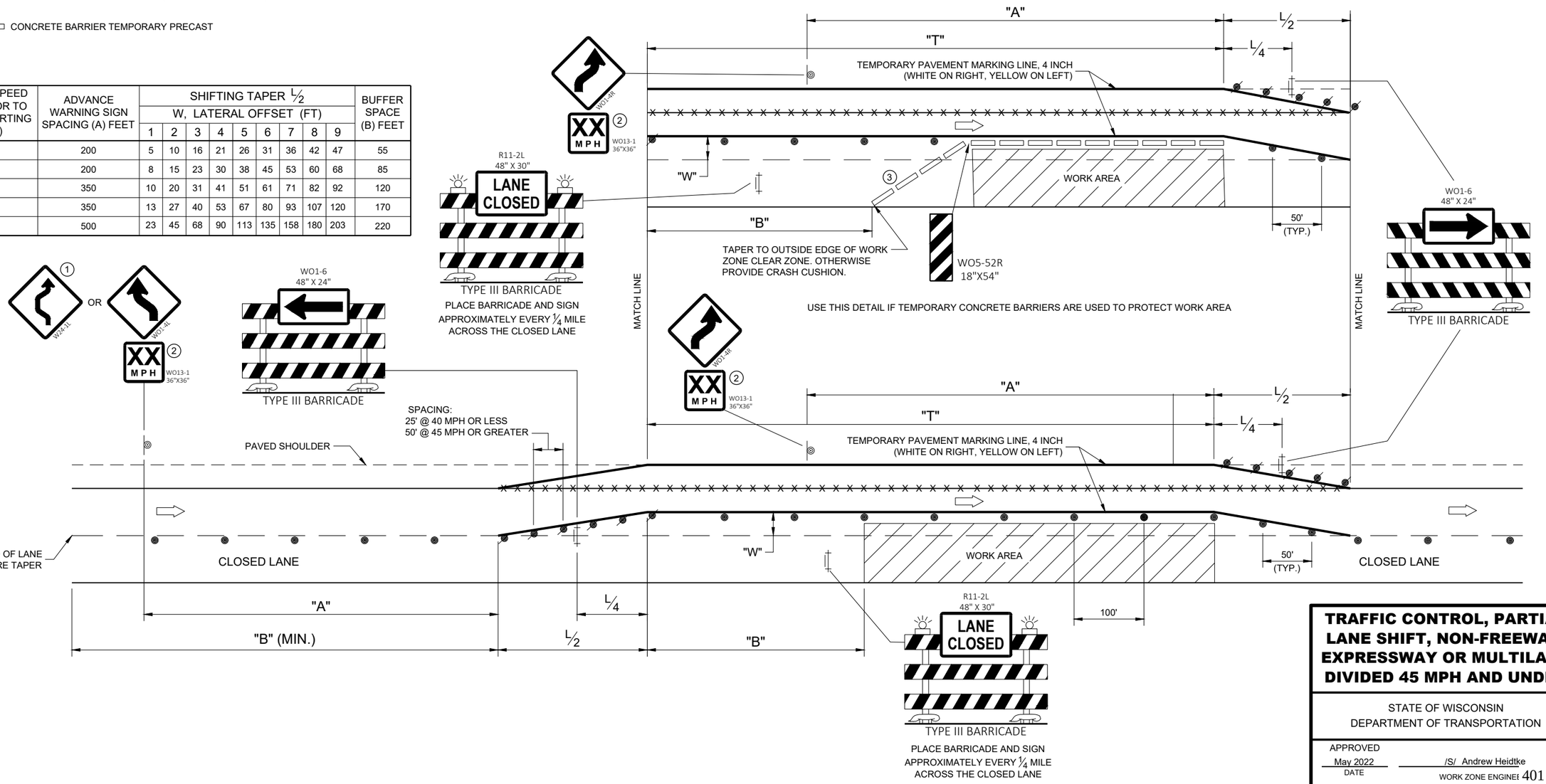
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP 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.

(1) USE ONLY WHEN T<600', OMIT WO1-4R.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(3) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)									BUFFER SPACE (B) FEET
		1	2	3	4	5	6	7	8	9	
25	200	5	10	16	21	26	31	36	42	47	55
30	200	8	15	23	30	38	45	53	60	68	85
35	350	10	20	31	41	51	61	71	82	92	120
40	350	13	27	40	53	67	80	93	107	120	170
45	500	23	45	68	90	113	135	158	180	203	220



TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

401

6

SDD 15D40 - 04c

6

SDD 15D40 - 04c

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)								
	1	2	3	4	5	6	7	8	9
50	25	50	75	100	125	150	175	200	225
55	28	55	83	110	138	165	193	220	248
60	30	60	90	120	150	180	210	240	270
65	33	65	98	130	163	195	228	260	293
70	35	70	105	140	175	210	245	280	315

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 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 LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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 1500 FEET IN FRONT OF DRUMS.

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

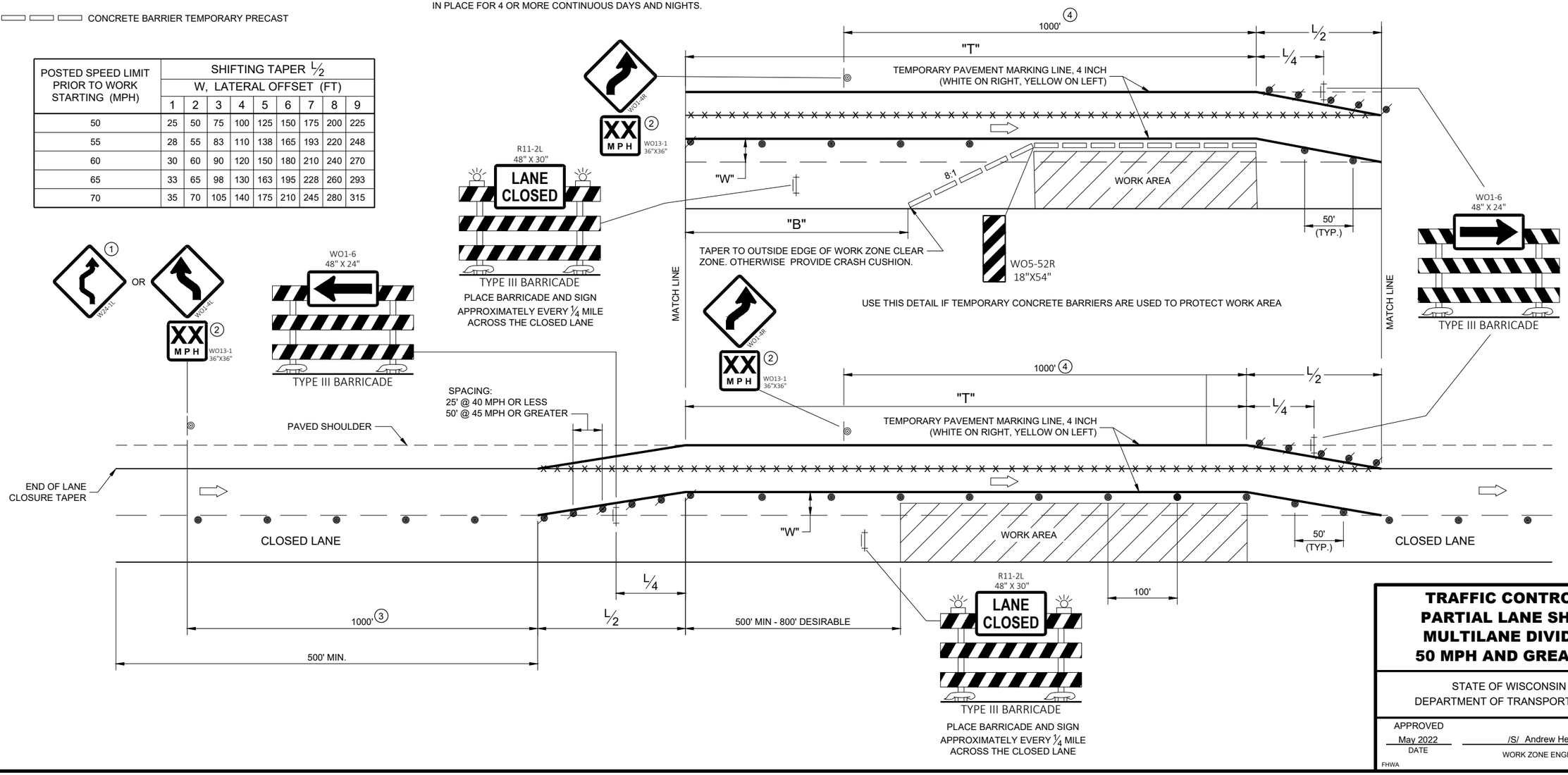
REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT 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.

1. USE ONLY WHEN T<600', OMIT WO1-4R.
2. IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.
3. IF THE BEGINNING OF LANE SHIFT TAPER IS 1200 FEET OR LESS FROM END OF LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE LANE CLOSURE TAPER.
4. IF THE BEGINNING OF THE SECOND LANE SHIFT TAPER IS 1200 FEET OR LESS FROM END OF THE FIRST LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE FIRST LANE CLOSURE TAPER.



TRAFFIC CONTROL, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D40 - 04d

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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

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

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

(1) PLACE SIGNS 350' IN ADVANCE OF CHIP SEALED OR LOOSE GRAVEL SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

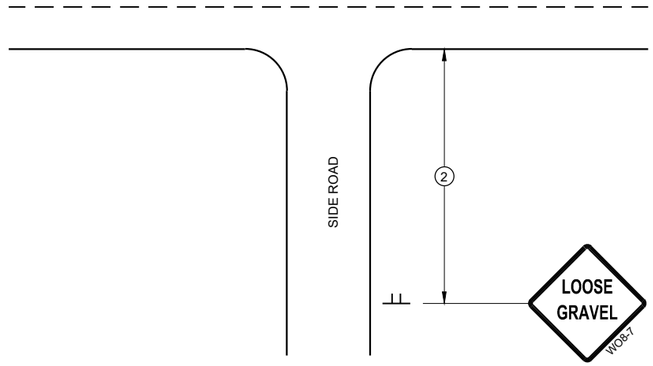
(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

(3) ADD WO8-1 OR WO8-2 SIGN WHEN THE CONDITION IS PRESENT.

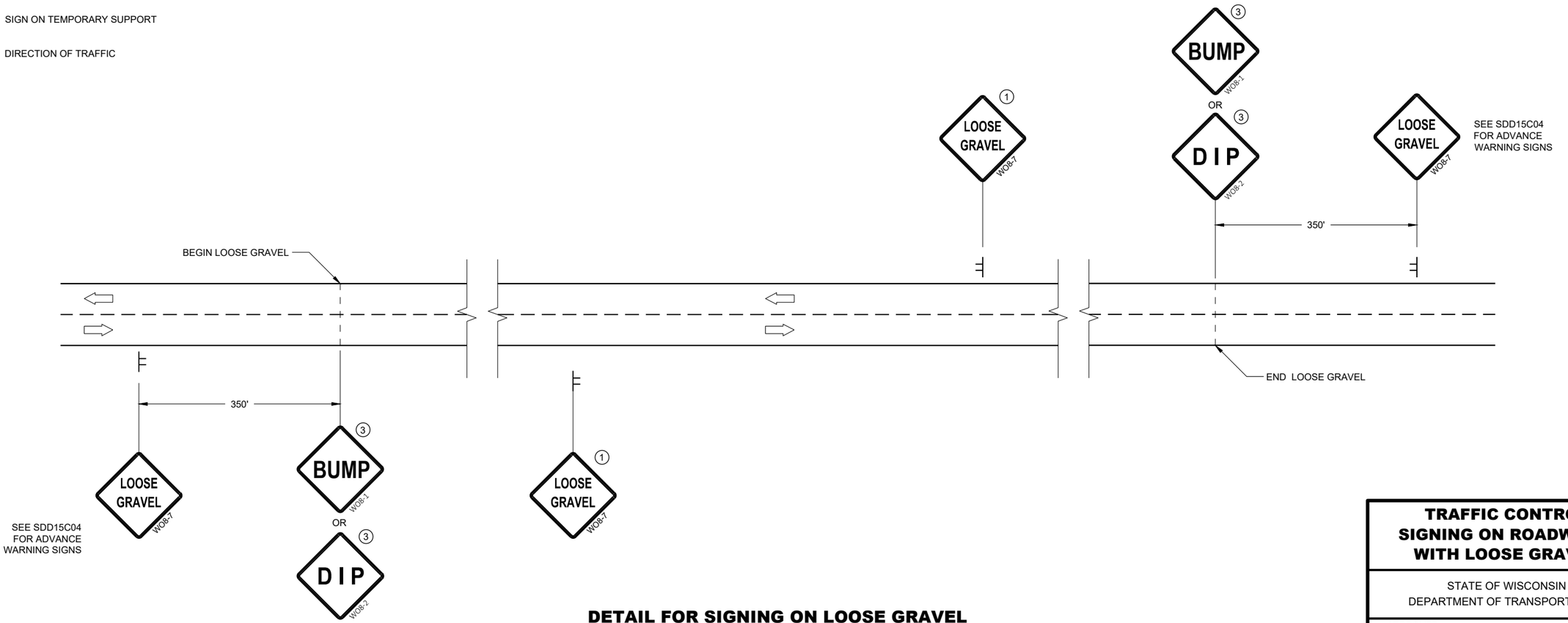
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON LOOSE GRAVEL OR CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 403

FHWA

6

SDD 15D45 - 03

6

SDD 15D45 - 03

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					
		3	4	5	6	7	8
25	200	10	14	17	21	24	28
30	200	15	20	25	30	35	40
35	350	20	27	34	40	47	54
40	350	26	35	44	53	62	70
45	500	45	59	74	89	104	119
50	500	50	66	83	99	116	132
55	500	54	73	91	109	127	145

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.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

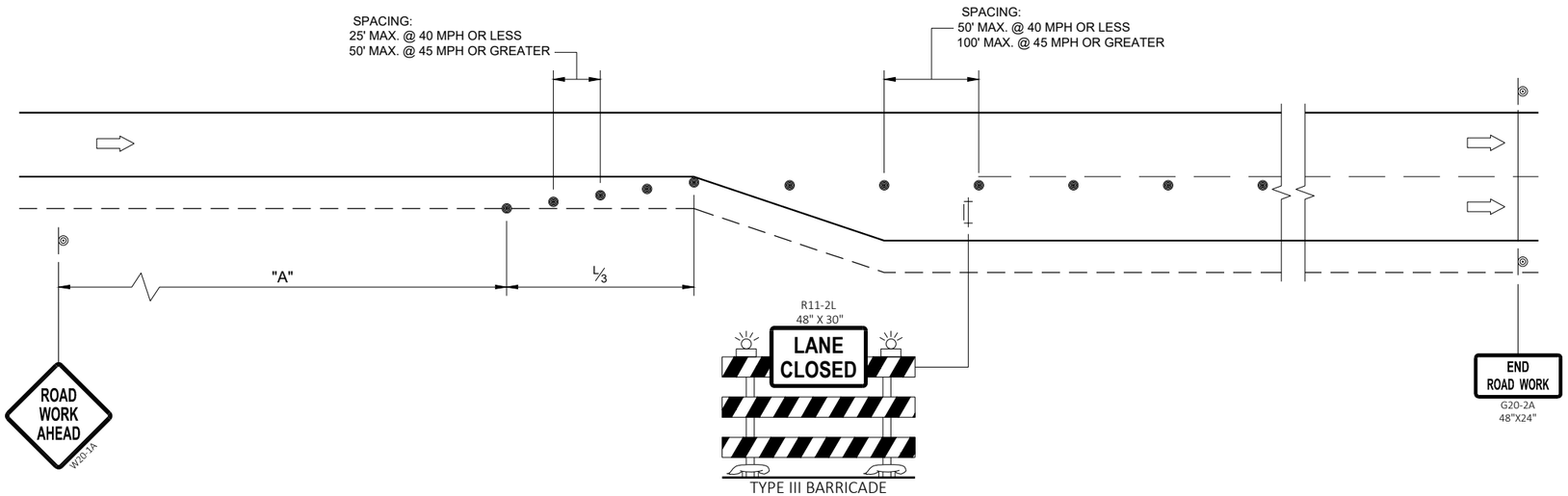
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.



PLACE BARRICADE AND SIGN APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE

TRAFFIC CONTROL
ADDED LANE CLOSURE
WITHOUT LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D50 - 02a

6

SDD 15D50 - 02a

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER (L/2) FEET
25	200	60
30	200	90
35	350	120
40	350	160
45	500	270
50	500	300
55	500	330

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.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

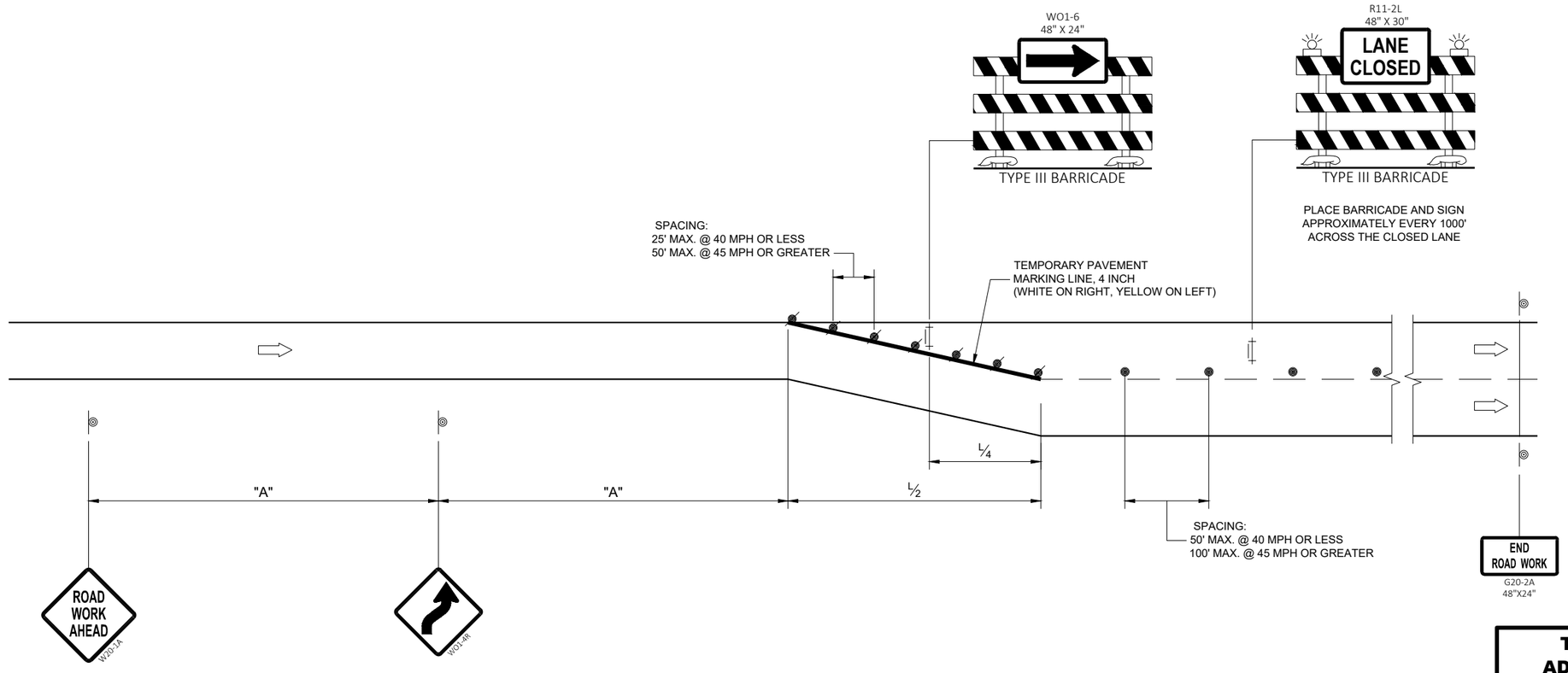
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

PLACE TEMPORARY PAVEMENT MARKING AND PLACE TEMPORARY PAVEMENT LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.



TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

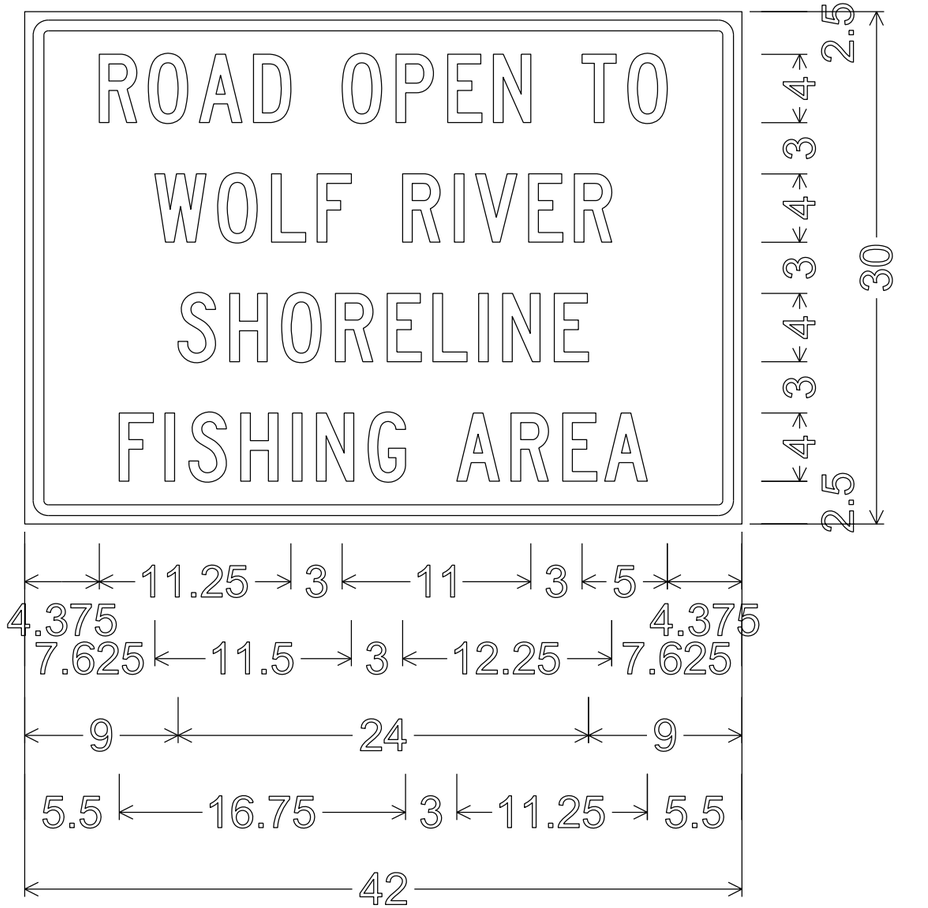
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE 405
FHWA

6
SDD15D50 - 02b

NOTES

1. Fixed Message Type II Sign - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C



1.375" Radius, 0.625" Border, 0.500" Indent

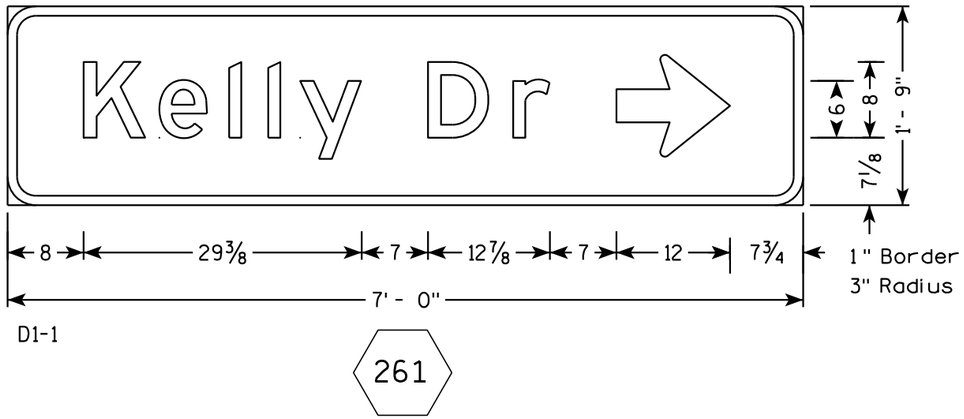
7

7

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	TEMPORARY SIGNING	SHEET NO: 406	E

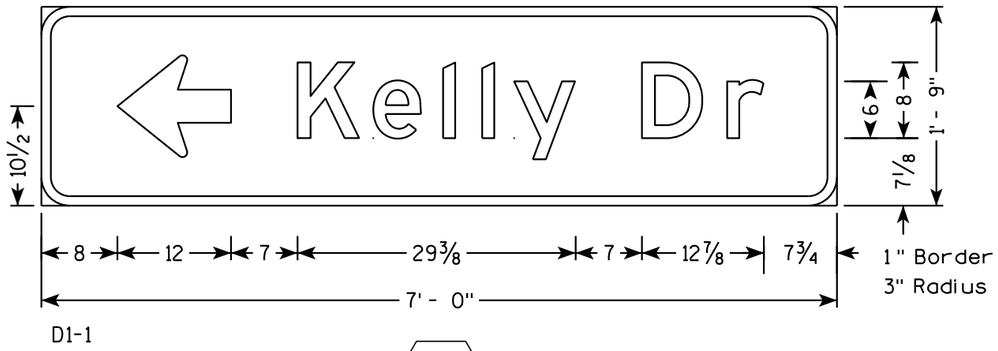
NOTES

1. All Sign Type II - Type H Reflective
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - E



D1-1

261



D1-1

271

7

7

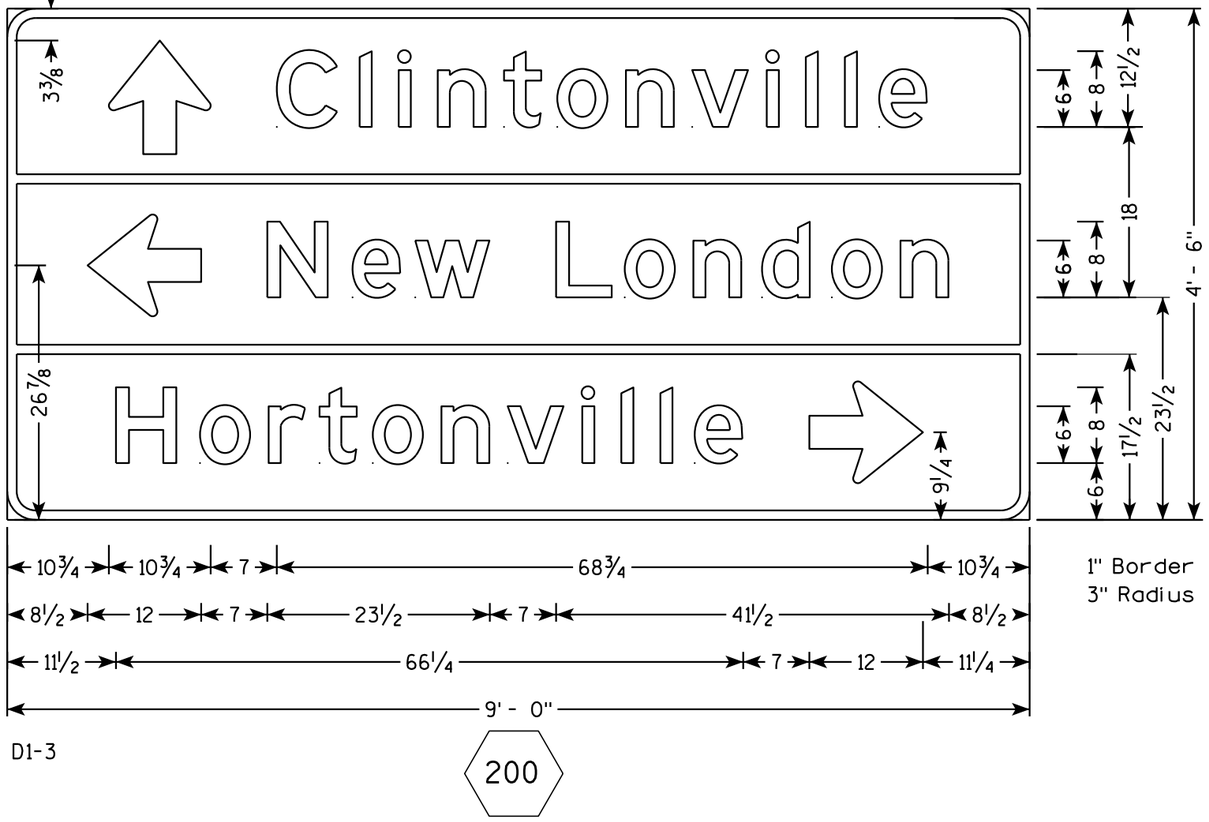
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET NO: 407	E

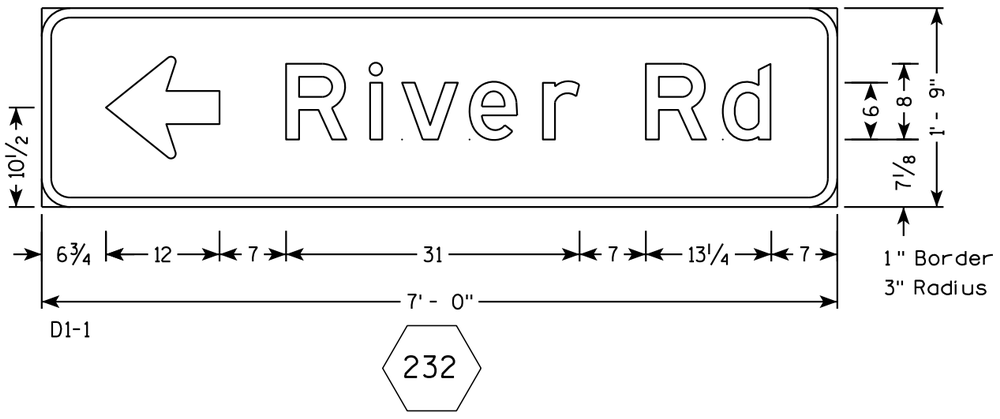
FILE NAME : N:\spo\traffic\SIGNING\Projects\1146-75-00 STH 15 Bypass\1146-75-73 West Segment\070101_sd.dgn PLOT DATE : 16-FEB-2017 13:50 PLOT BY : dotets PLOT NAME : PLOT SCALE : 16:1

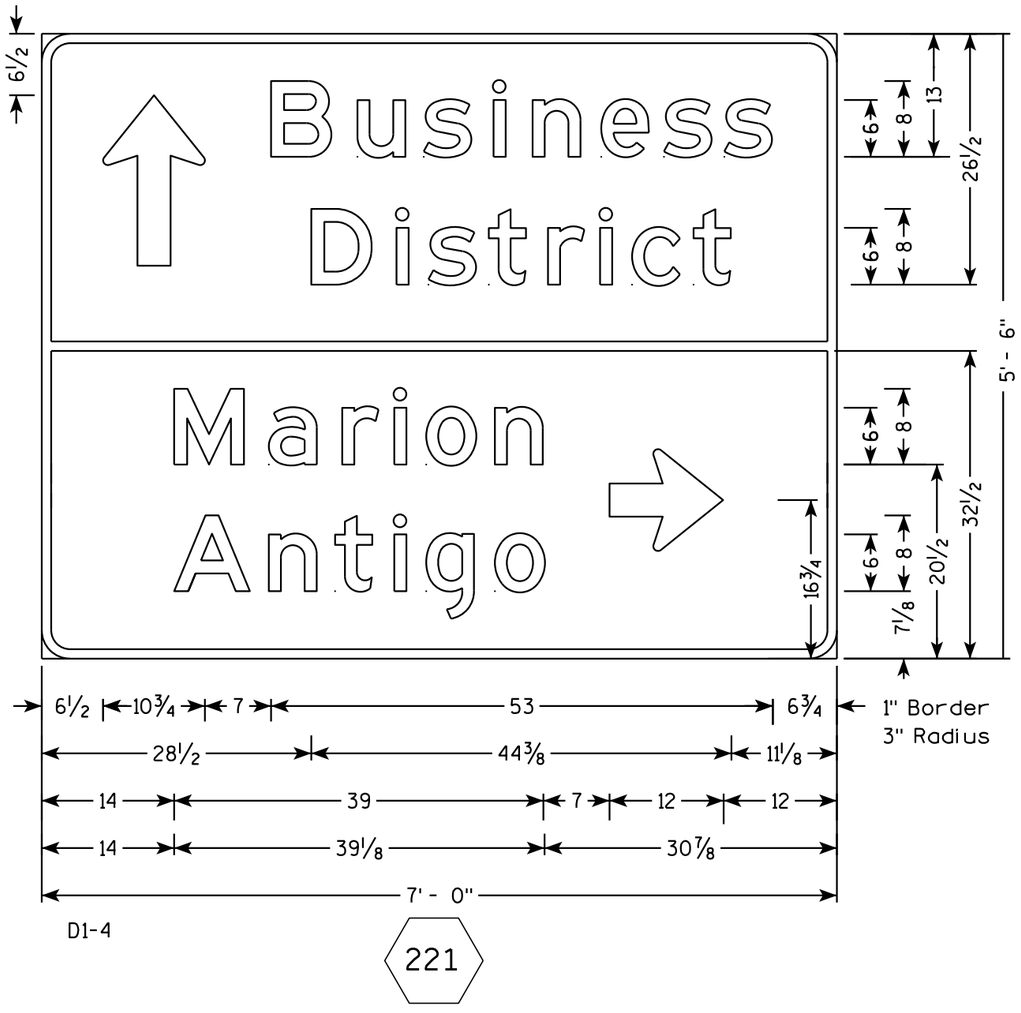
WISDOT/CADDS SHEET 42

NOTES

1. All Sign Type II - Type H Reflective
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - E







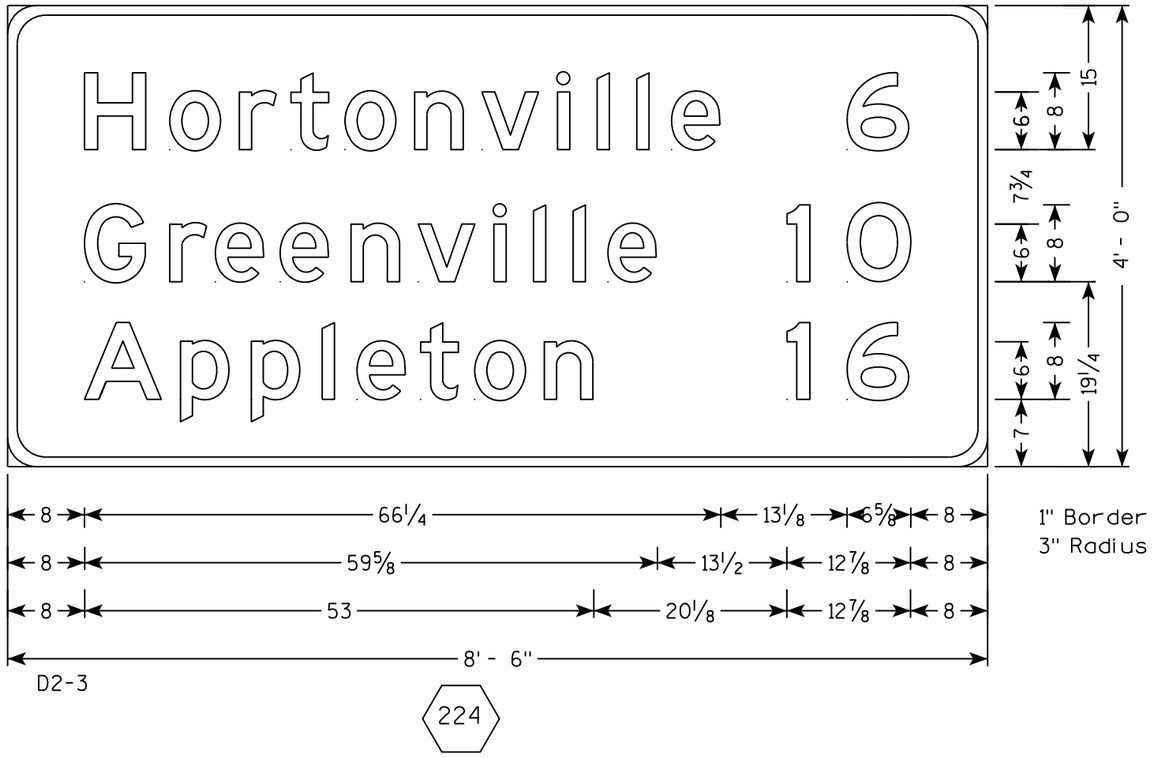
7

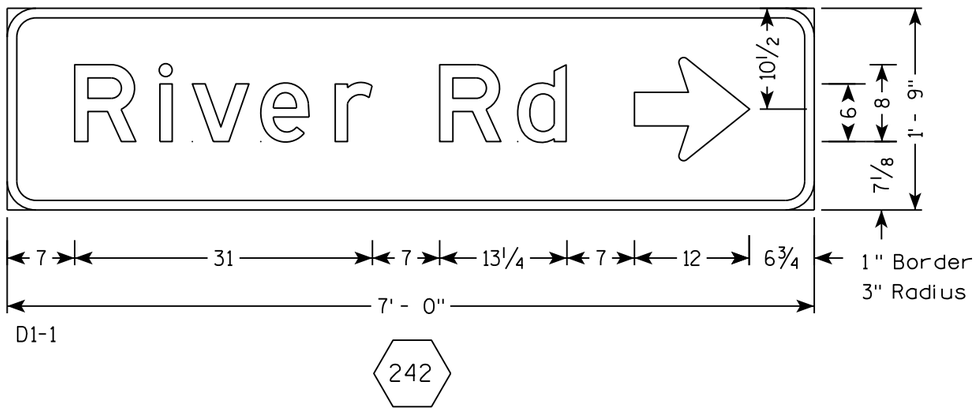
7

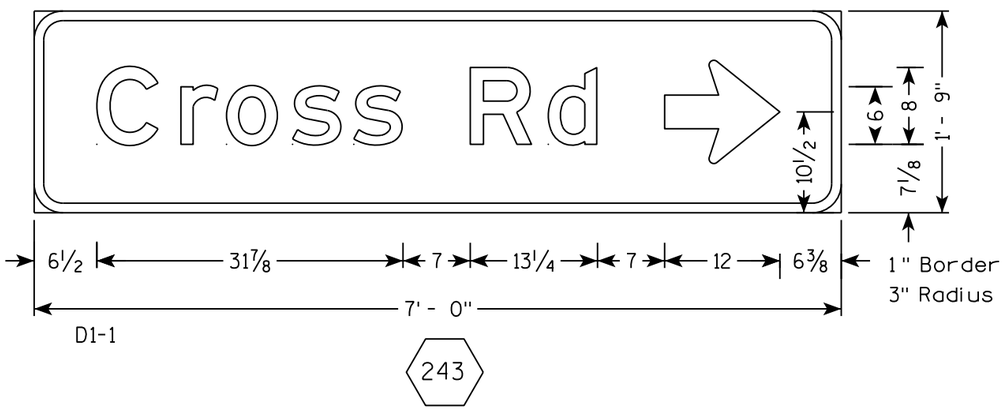
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	PERMANENT SIGNING	SHEET NO: 408	E

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - E





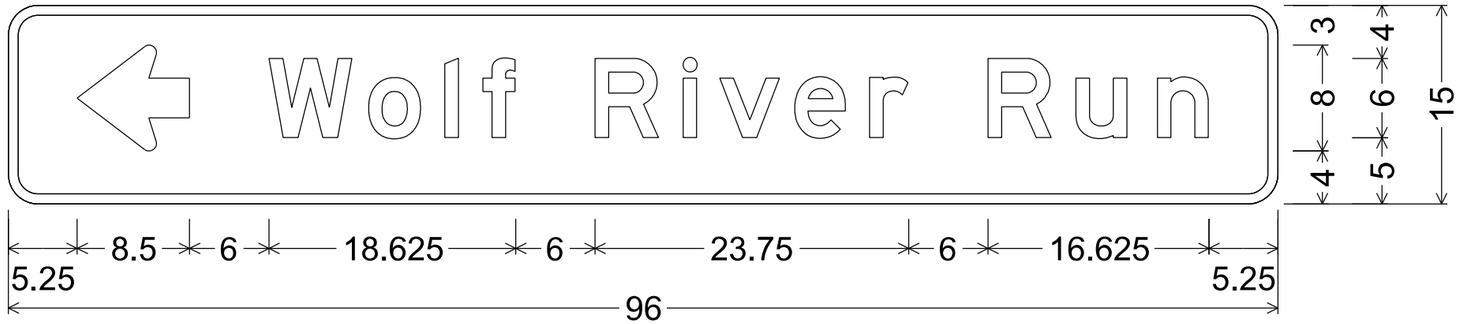


7

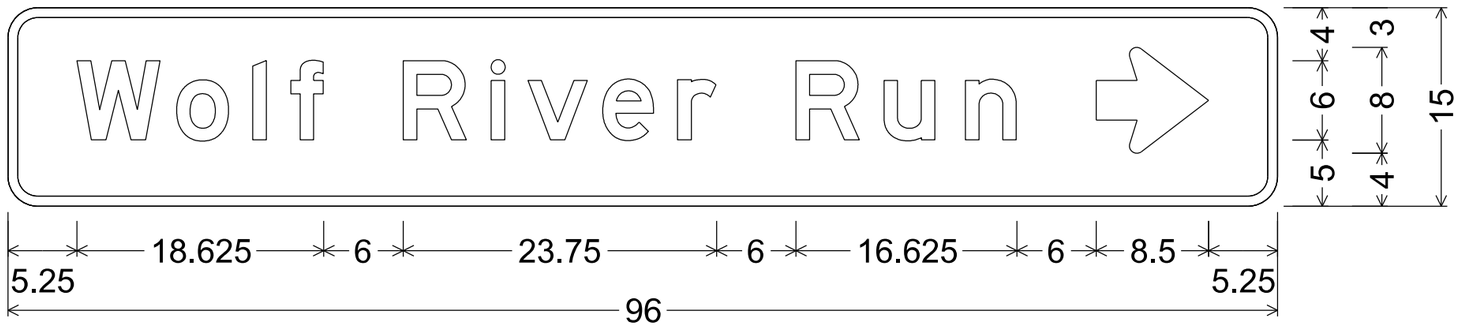
7

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E

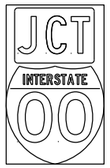


D1-1; 2.250" Radius, 0.750" Border

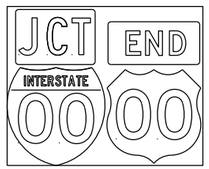


D1-1; 2.250" Radius, 0.750" Border

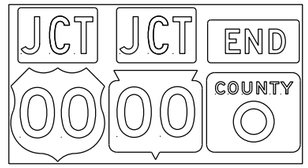
TYPICAL ASSEMBLIES



J1-1



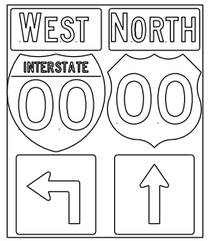
J1-2



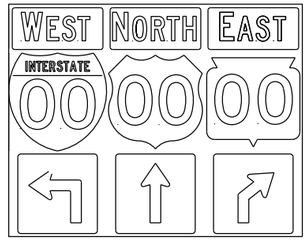
J1-3

JR1-1

J2-1

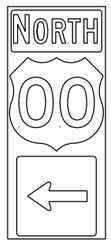


J2-2

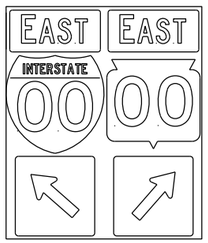


J2-3

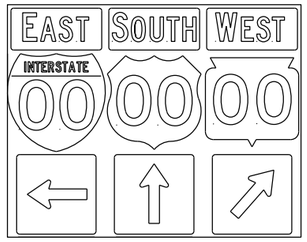
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



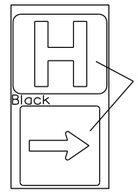
J3-1



J3-2

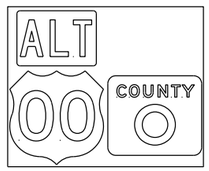


J3-3

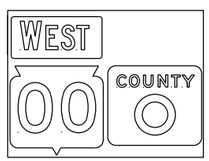


Blue Background
JH-1

J4-1

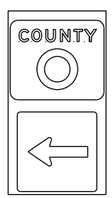


J4-2



J4-2

J12-1



J13-1

J32-1

J33-1

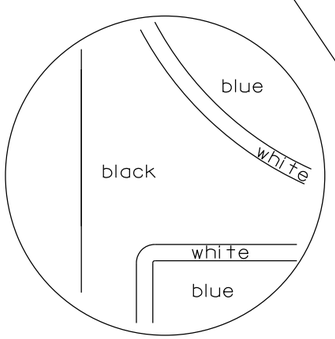
J22-1

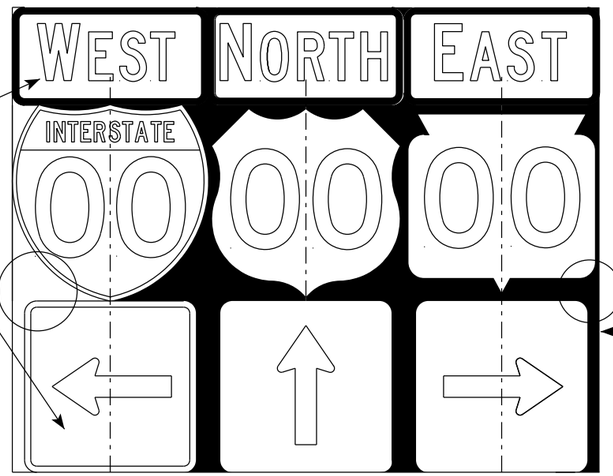
J23-1

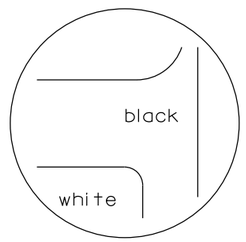
JR13-1

JR23-1

JR99-1







black background

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

PROJECT NO:

SHEET NO: 411 E

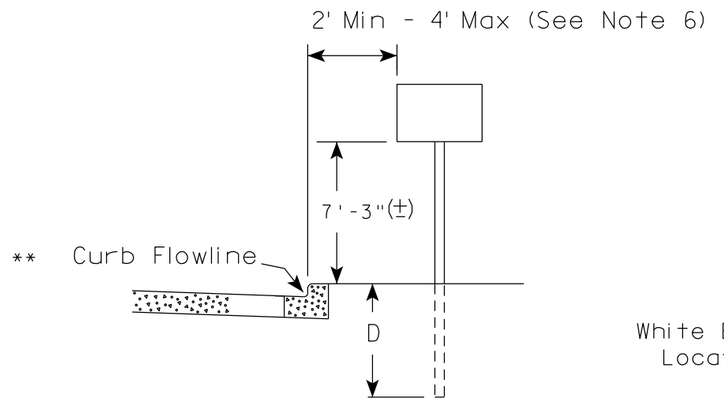
FILE NAME : C:\CAEfiles\Projects\tr_stdplate_A21S.dgn PLOT DATE : 18-MAR 2021 1:37 PLOT BY : mscj9h PLOT NAME :

WISDOT/CADDS SHEET 42

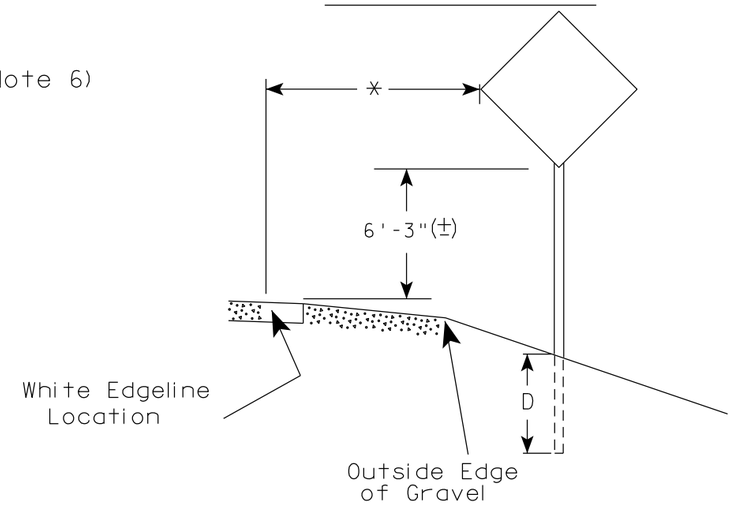
7

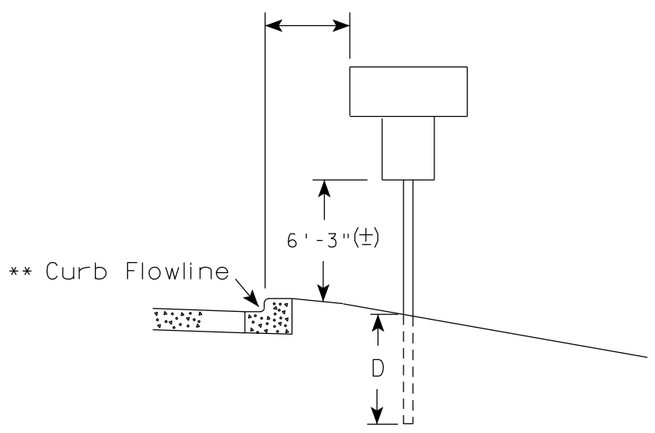
7

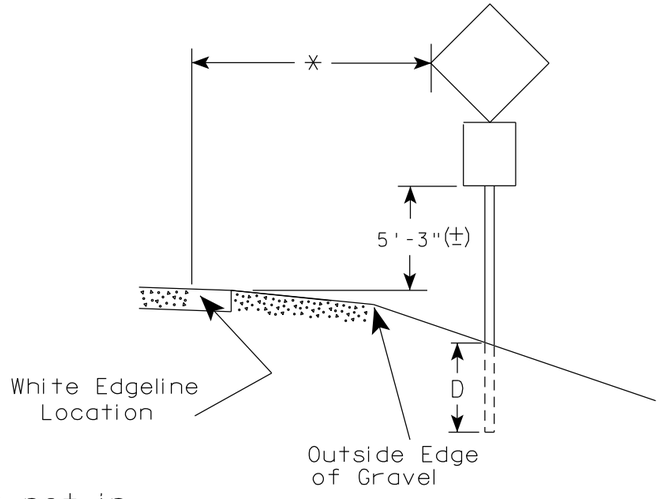
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) 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" (±).
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 signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

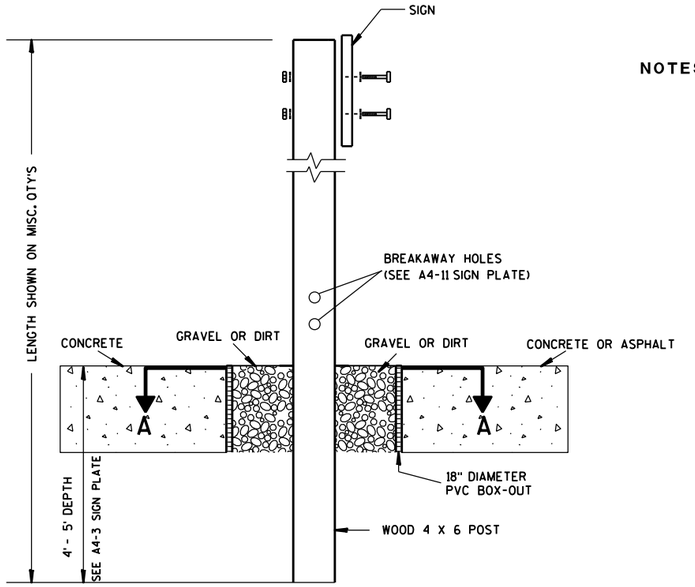
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

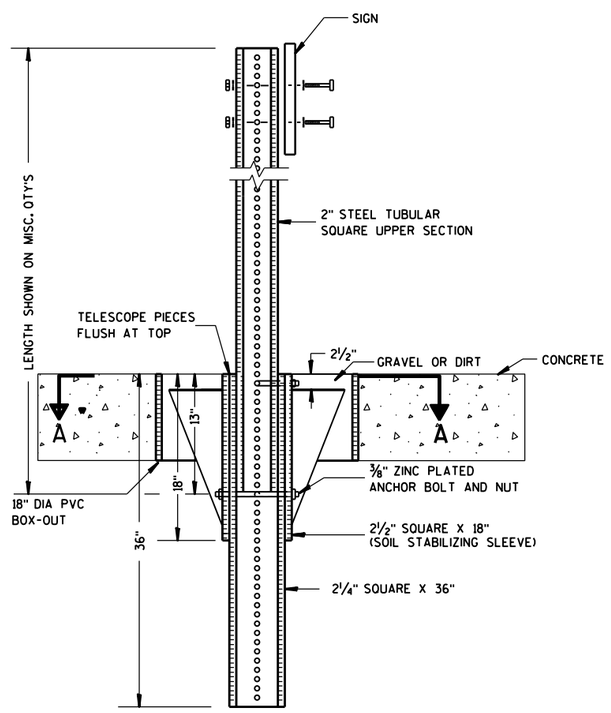
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 412	E



ELEVATION VIEW

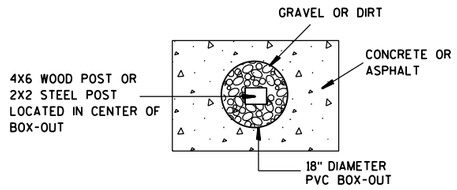
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

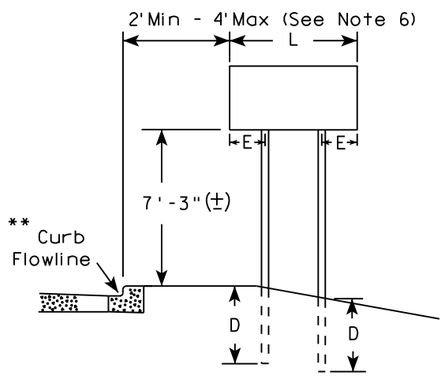
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

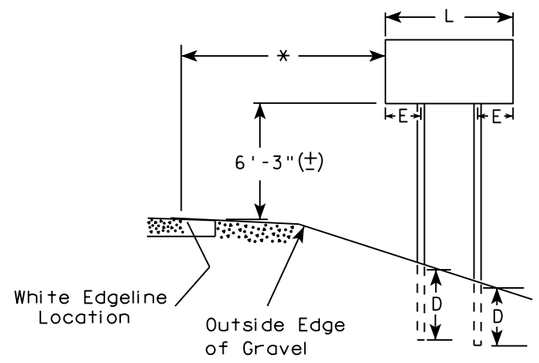
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

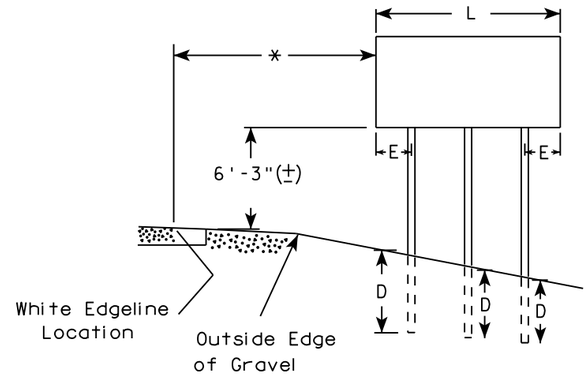
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

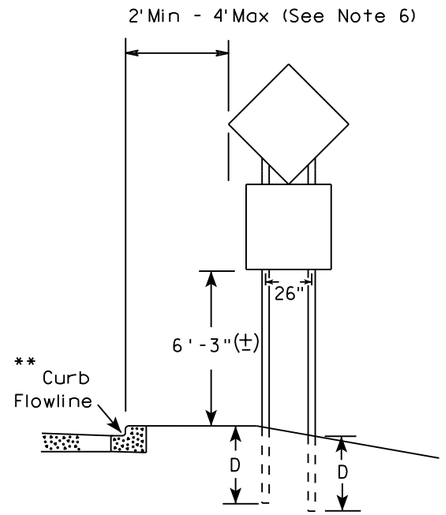
URBAN AREA



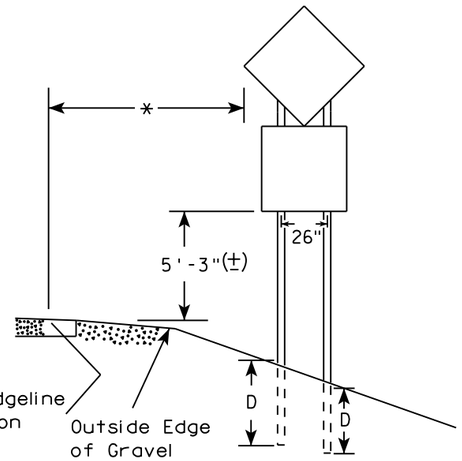
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

***	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
	L	E
	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

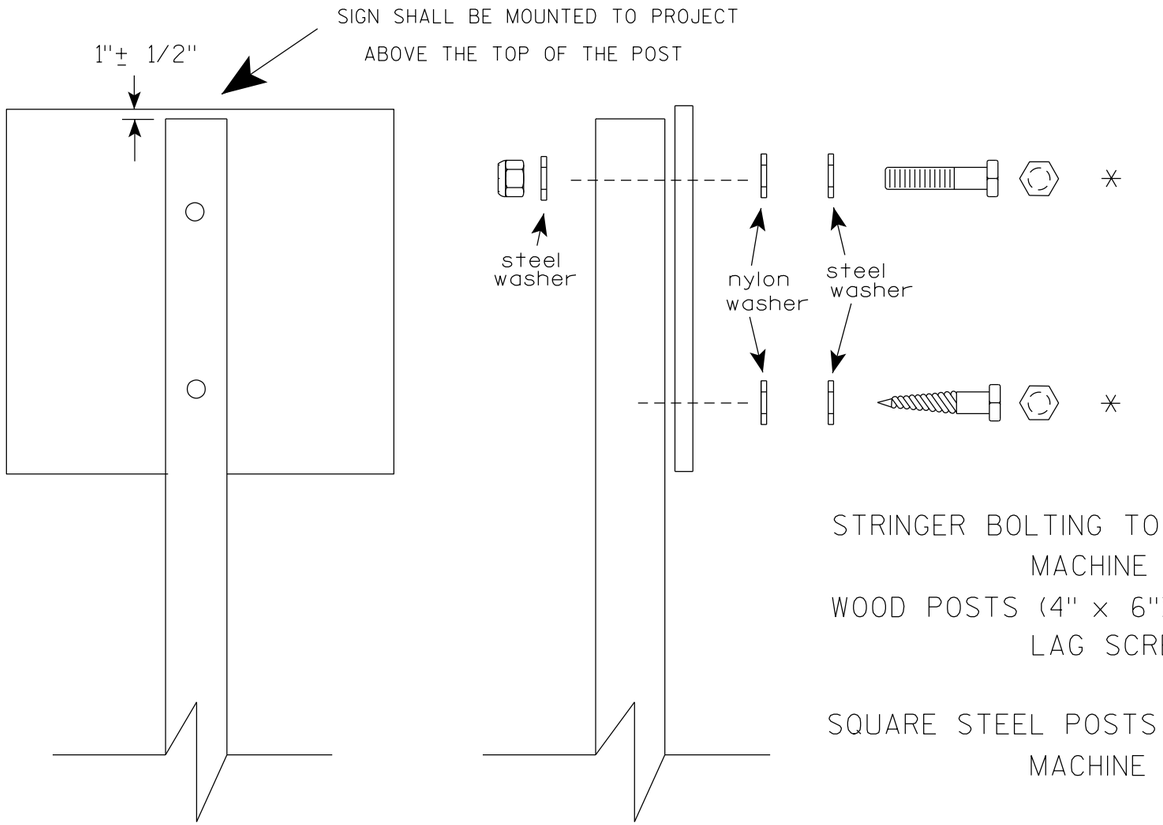
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 414	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

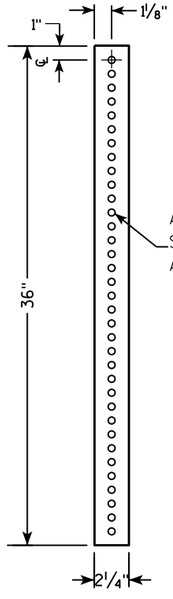
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

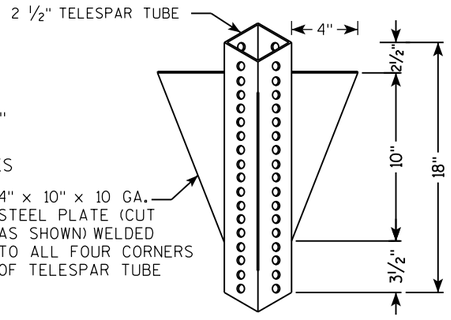
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

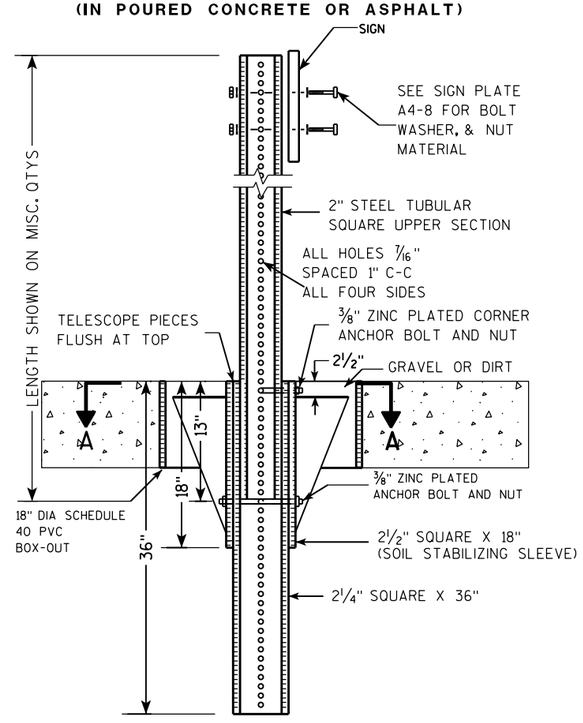
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



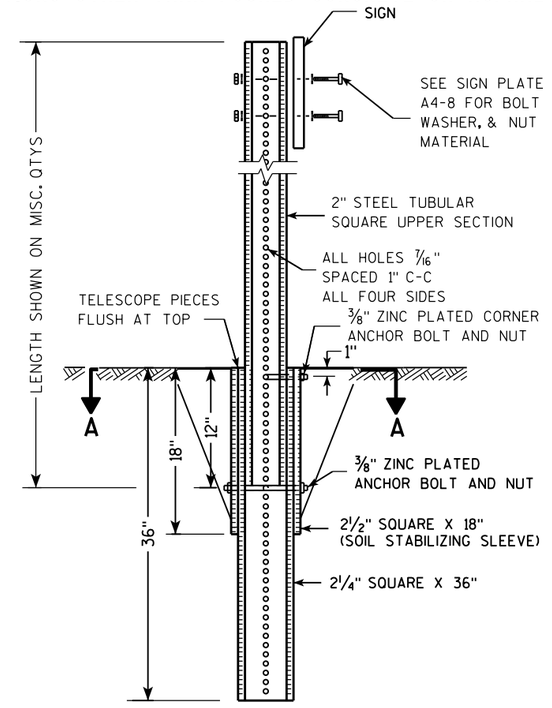
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

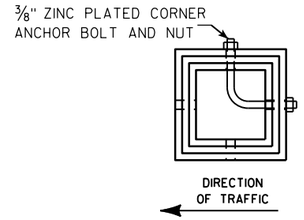


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

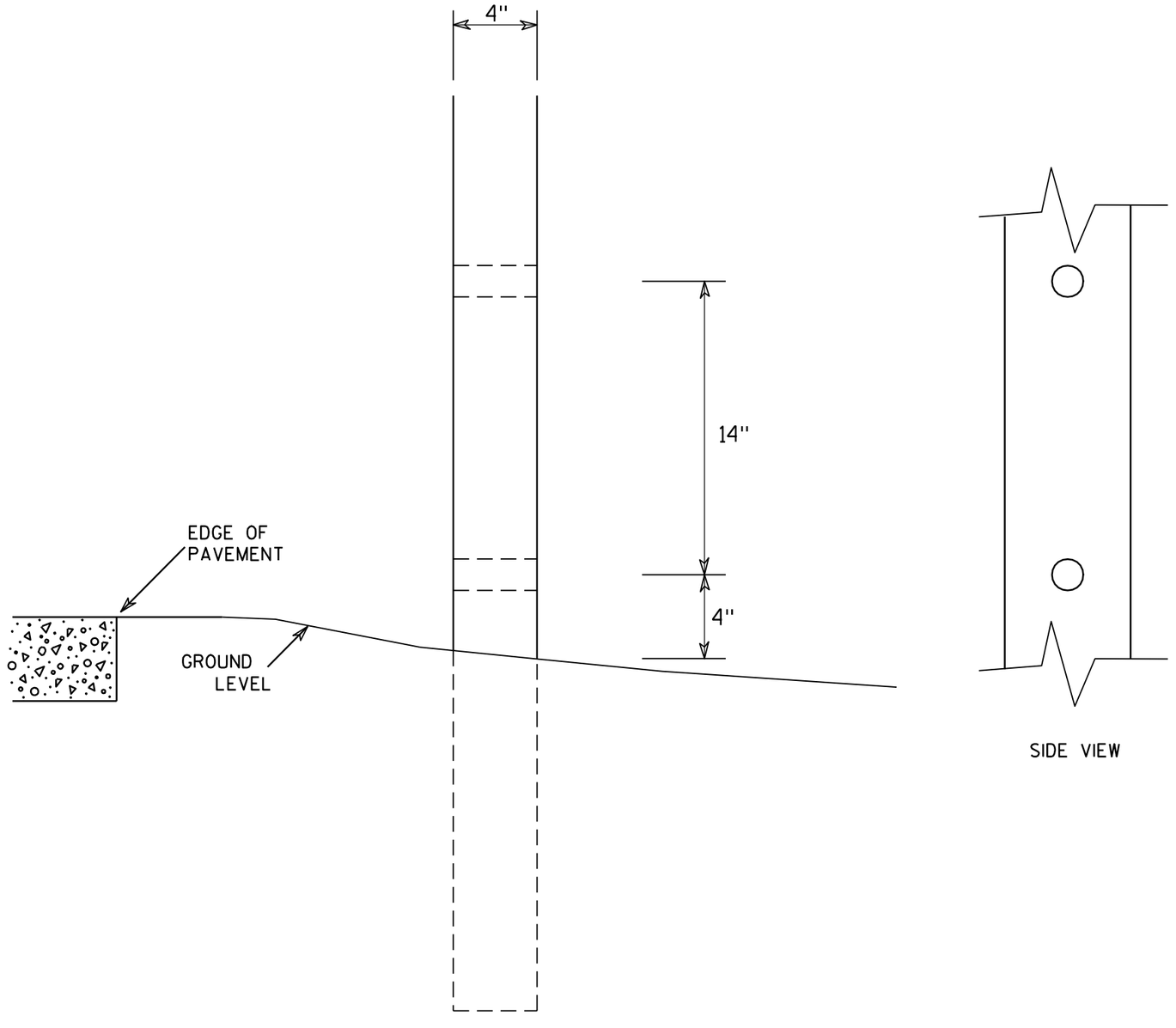
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 416 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.

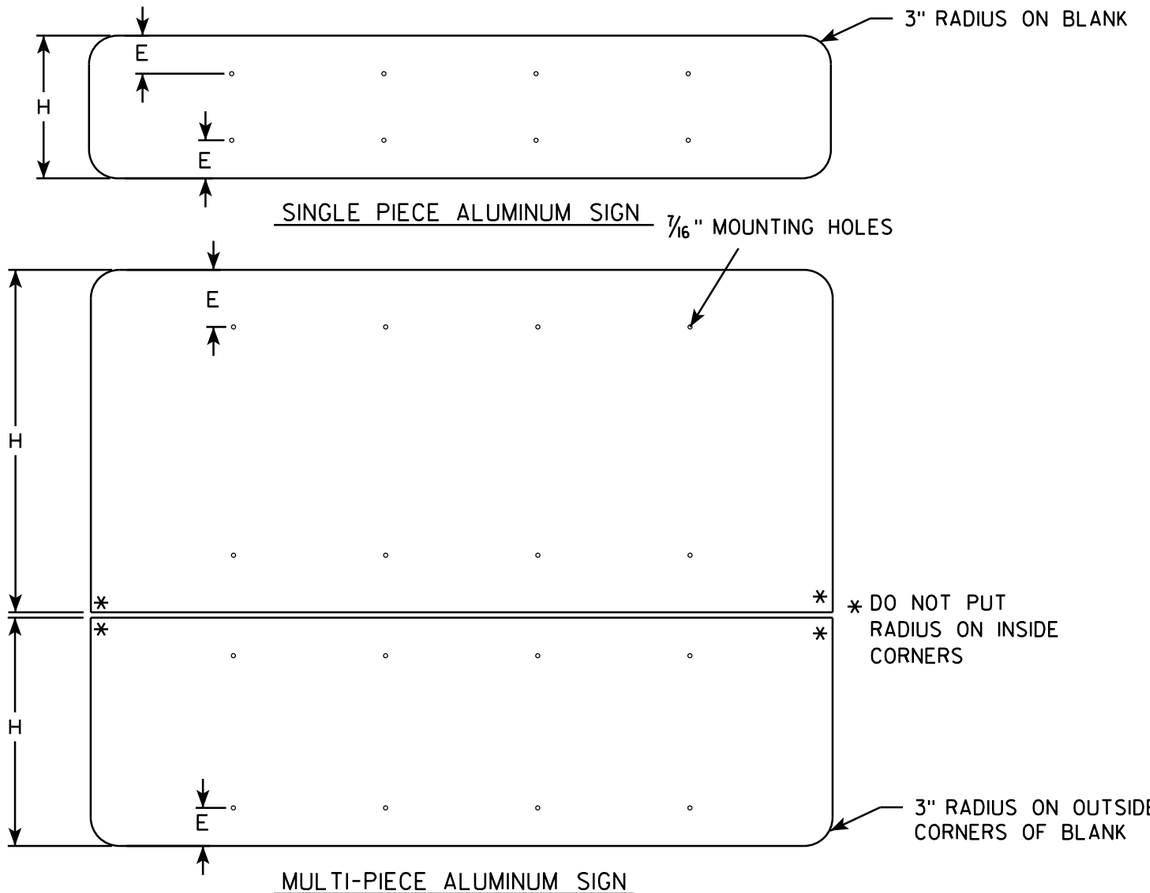
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

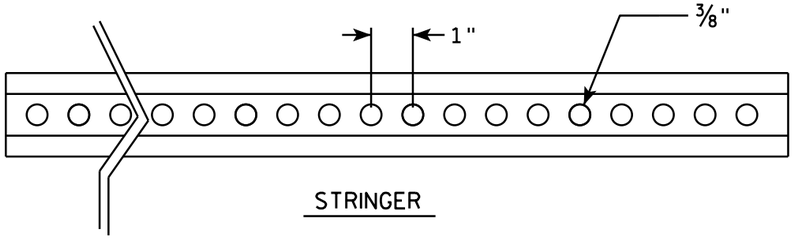
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 417	E



GENERAL NOTES

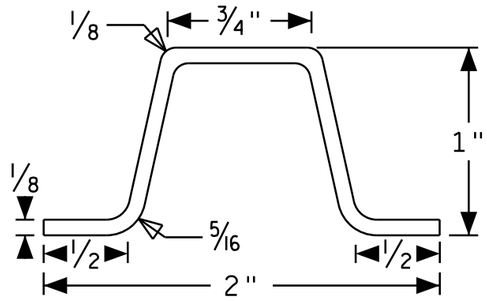
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

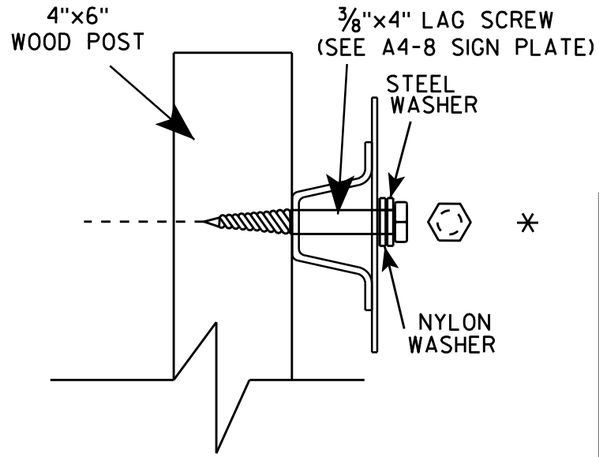


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

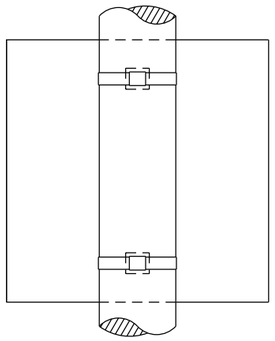
DATE 4/26/16 PLATE NO A4-18.1

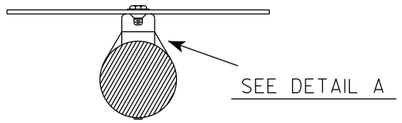
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

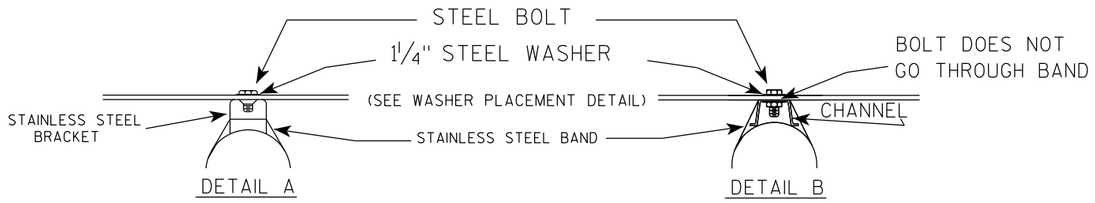
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

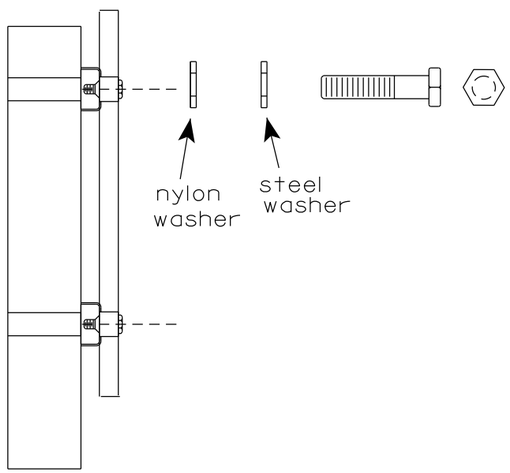
SINGLE SIGN







WASHER PLACEMENT

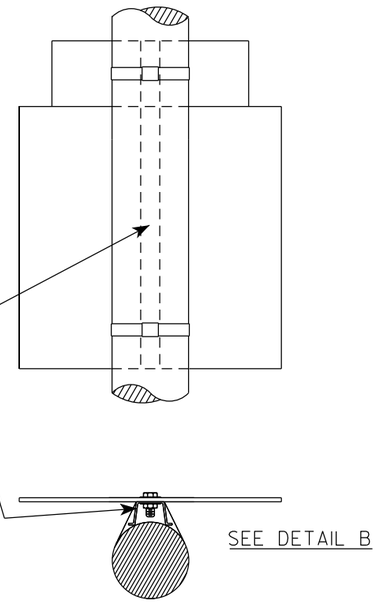


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

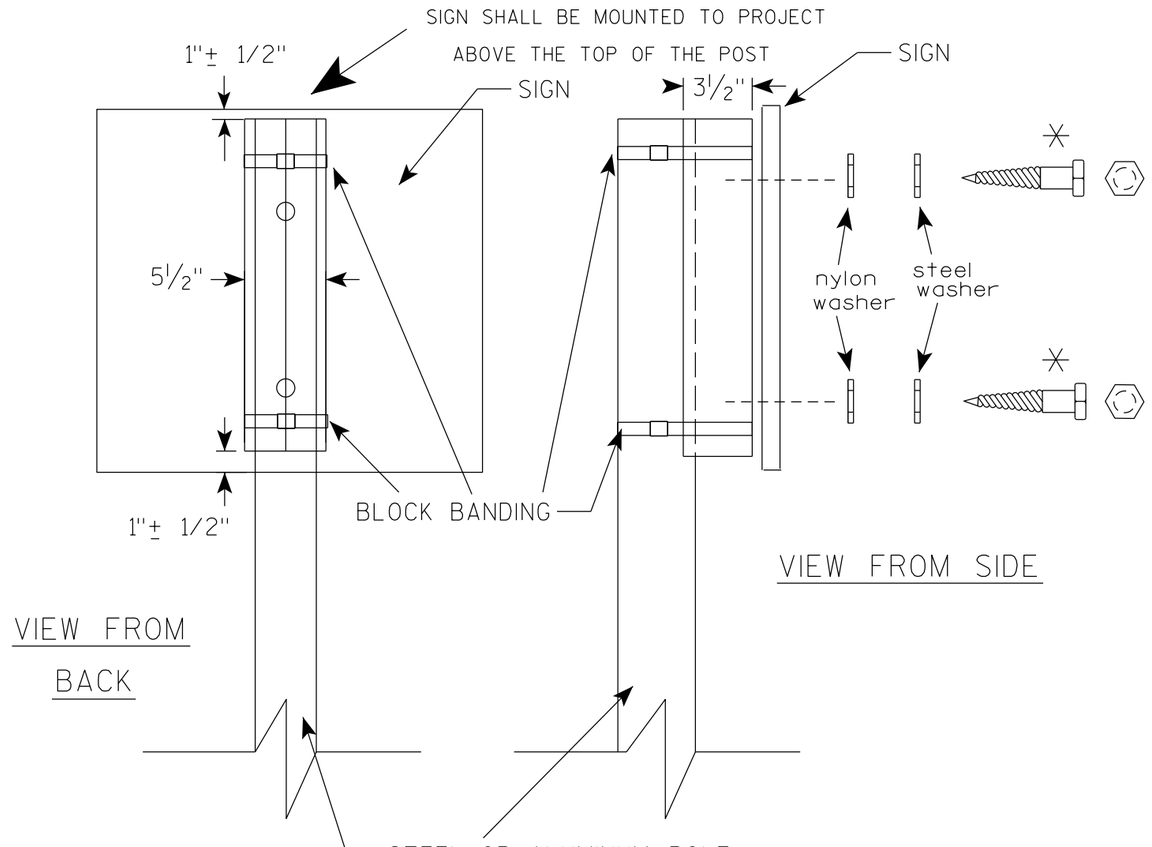
DATE 6/10/19 PLATE NO. A5-9.4

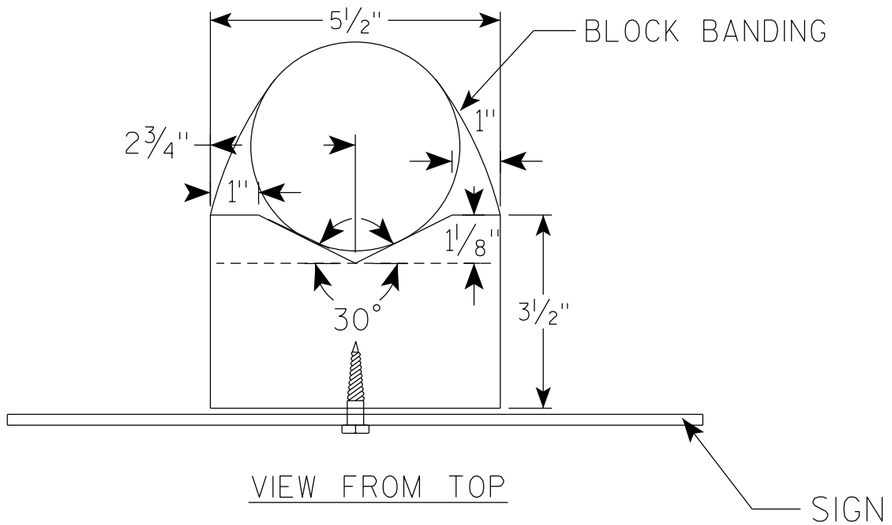
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 419	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

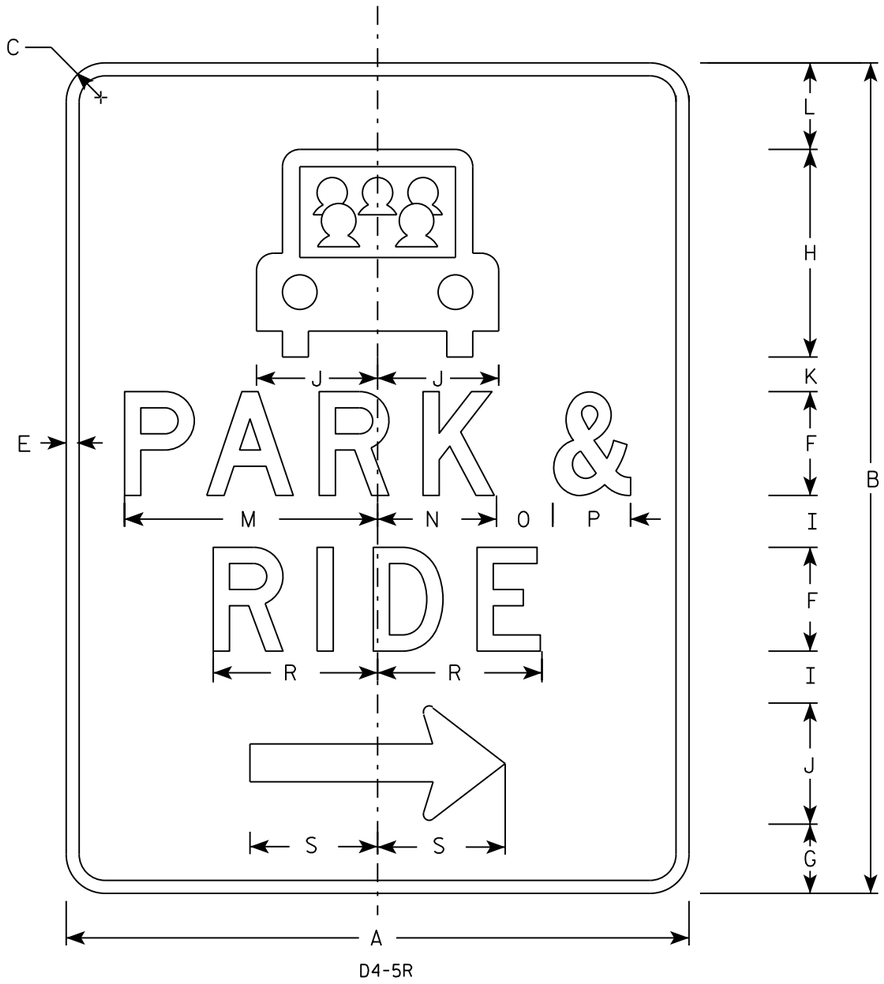
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

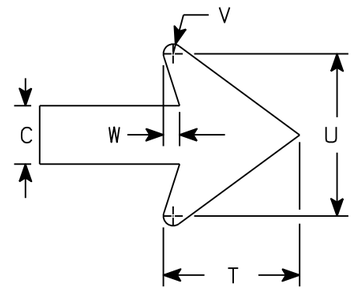
SHEET NO: 420 E



D4-5R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - D
4. The D4-5L is the same as a D4-5R except the arrow is reversed.



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																											
2	30	36	1 3/8		5/8	5	3 1/8	9	2	5	1 5/8	3 1/4	11 3/4	5 1/2	2 3/4	3 3/4		8	6 1/8	4	4 3/8	3/8	1/2				7.50
3	36	48	2 1/4		3/4	6	4	12	3	7	2	5	14 5/8	6 7/8	3 1/4	4 1/2		9 1/2	7 1/2	5 1/4	6 1/4	3/8	5/8				12.0
4																											
5																											

STANDARD SIGN
D4-5 L&R

WISCONSIN DEPT OF TRANSPORTATION

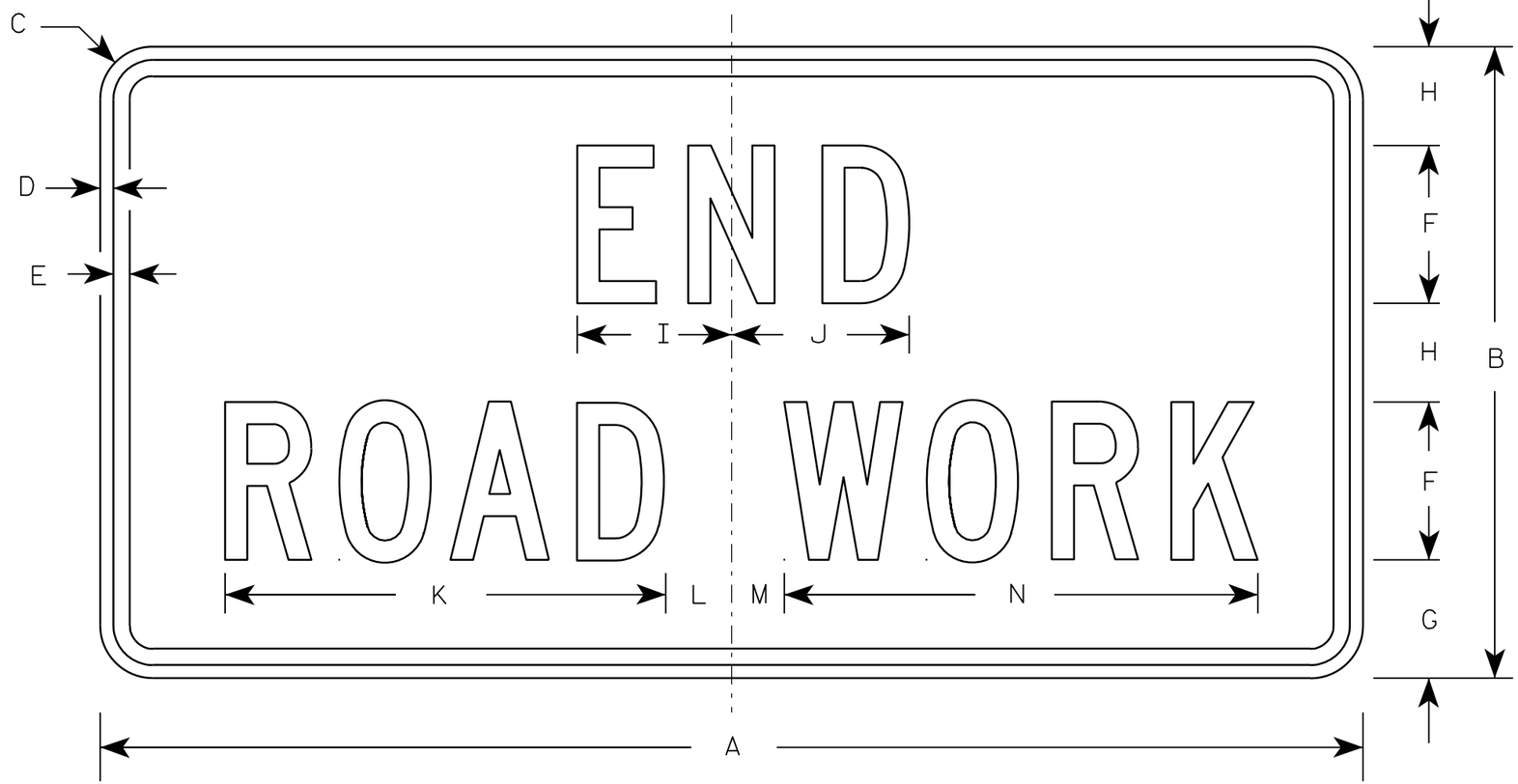
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/7/18 PLATE 421 D4-5.3

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\D45.DGN PLOT DATE : 07-MAY-2018 10:18 PLOT BY : $$ plotuser $$



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

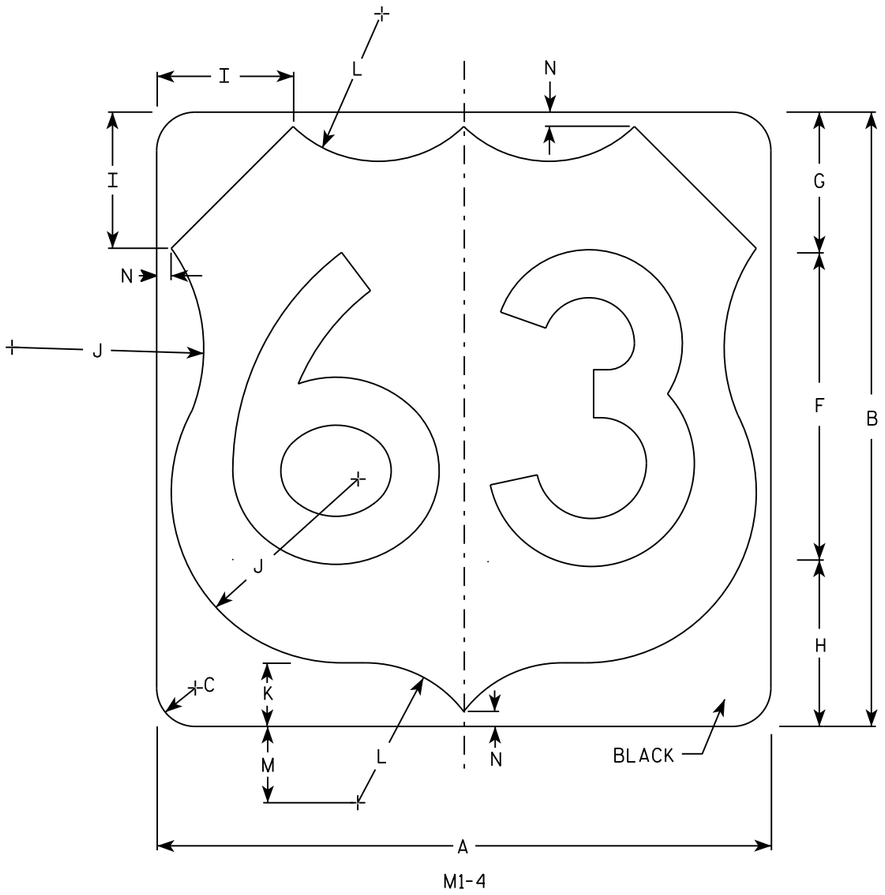
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 422	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\G202A.DGN PLOT DATE : 30-SEP-2009 09:31 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 5.561773:1.000000

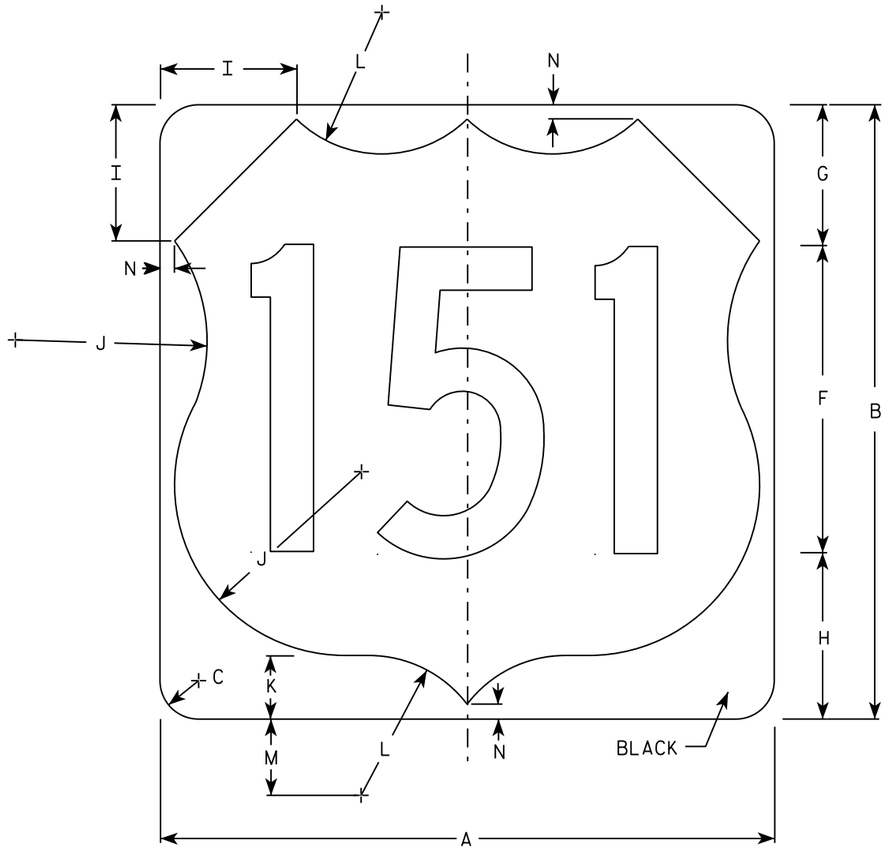
7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs 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.



M1-4



M1-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area Sq. ft.
1																											
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

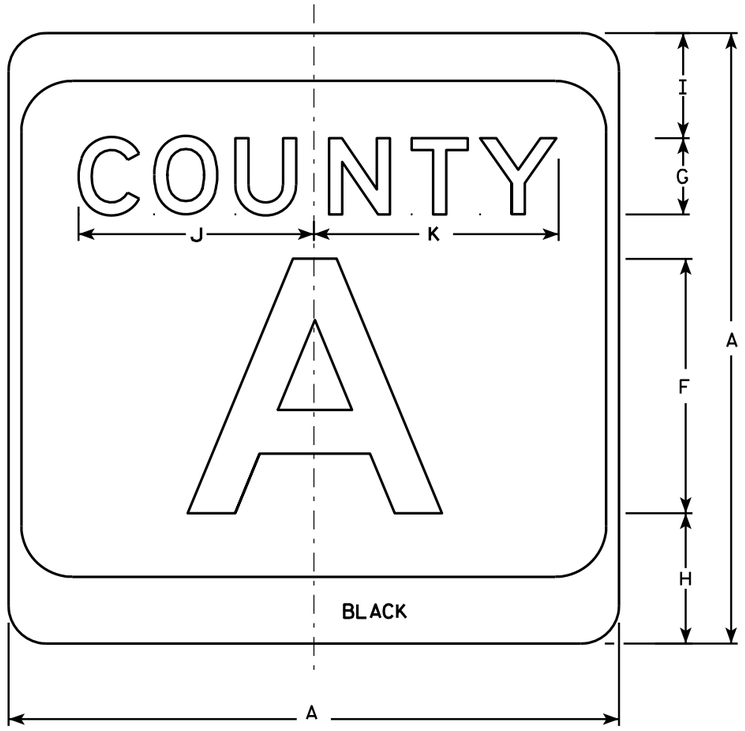
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

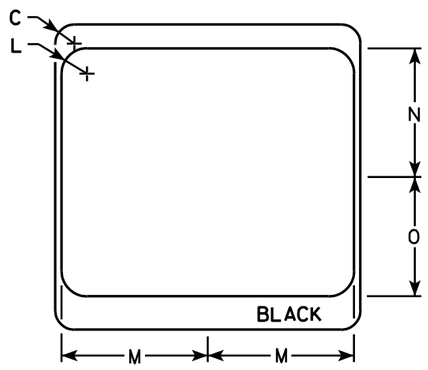
APPROVED Matthew R Rauch
for State Traffic Engineer

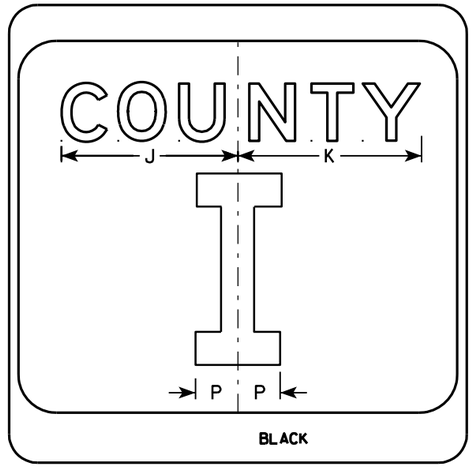
DATE 3/16/18 PLATE NO. M1-4.10

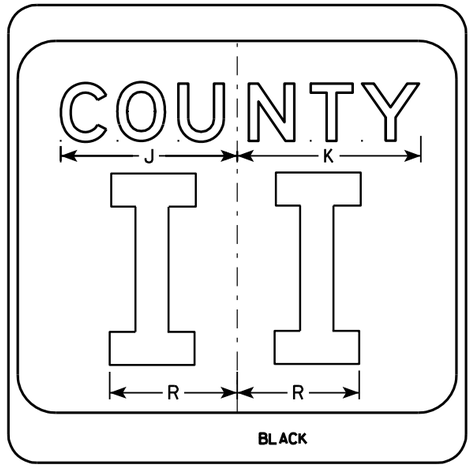
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 423 | E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

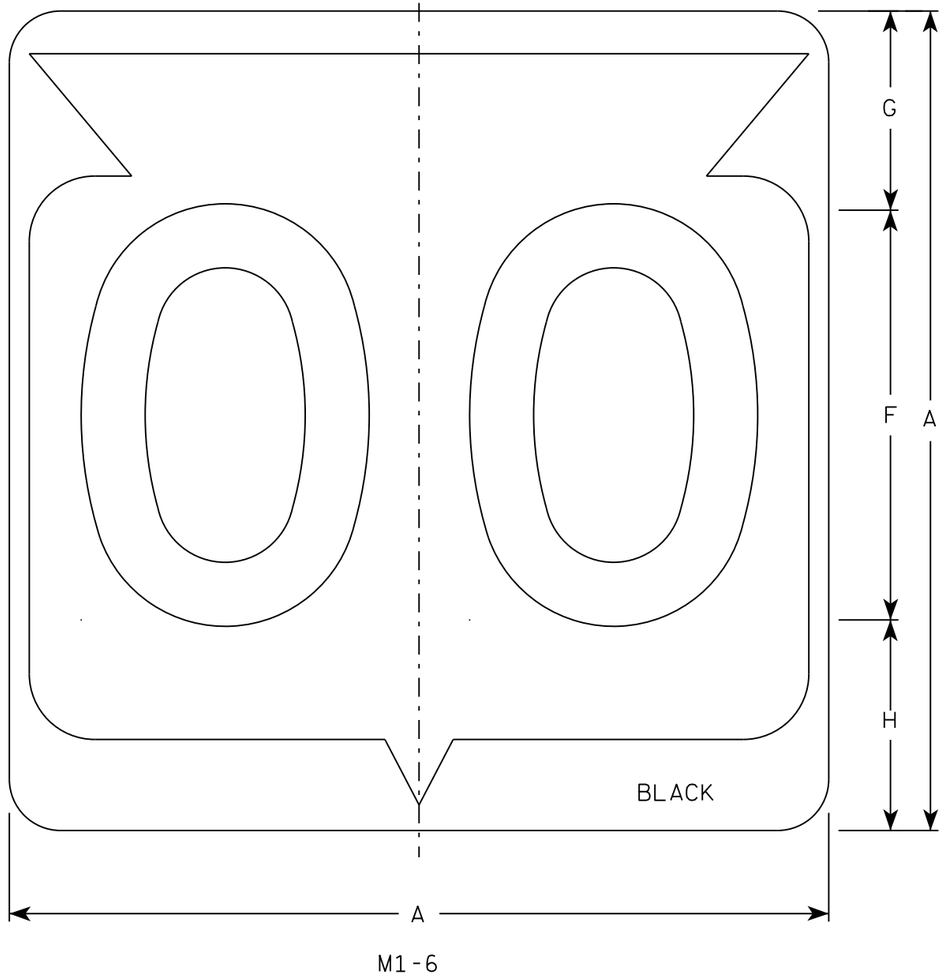
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

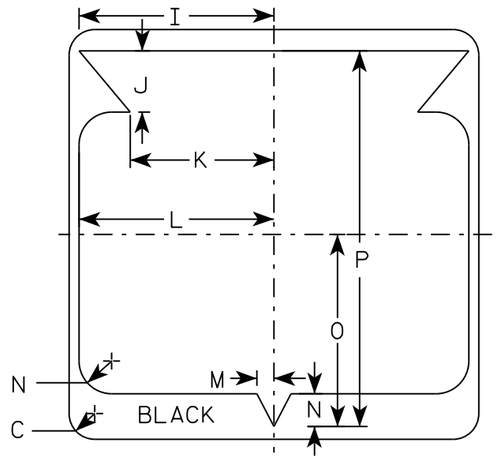
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 424	E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs 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																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

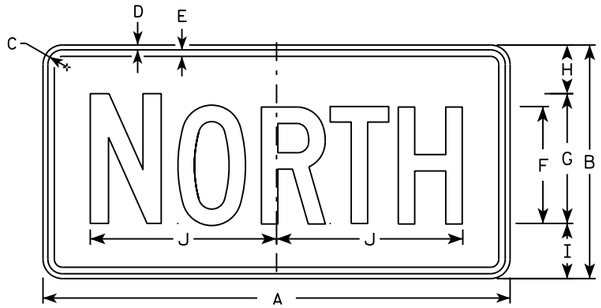
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

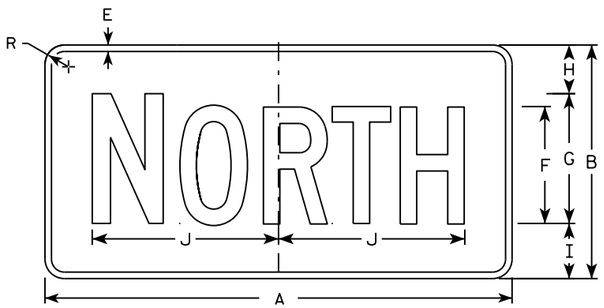
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 425	E



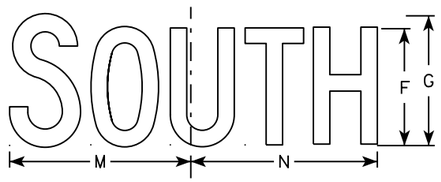
M3-1
MM3-1
MP3-1



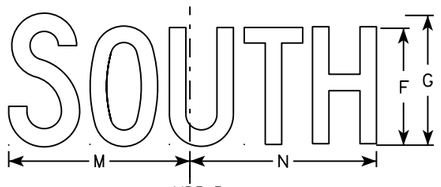
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

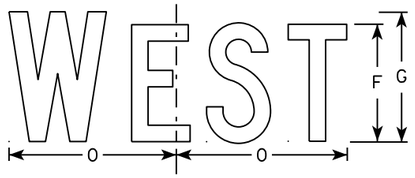
MB3-2
MK3-2
MN3-2



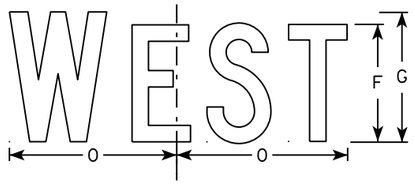
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

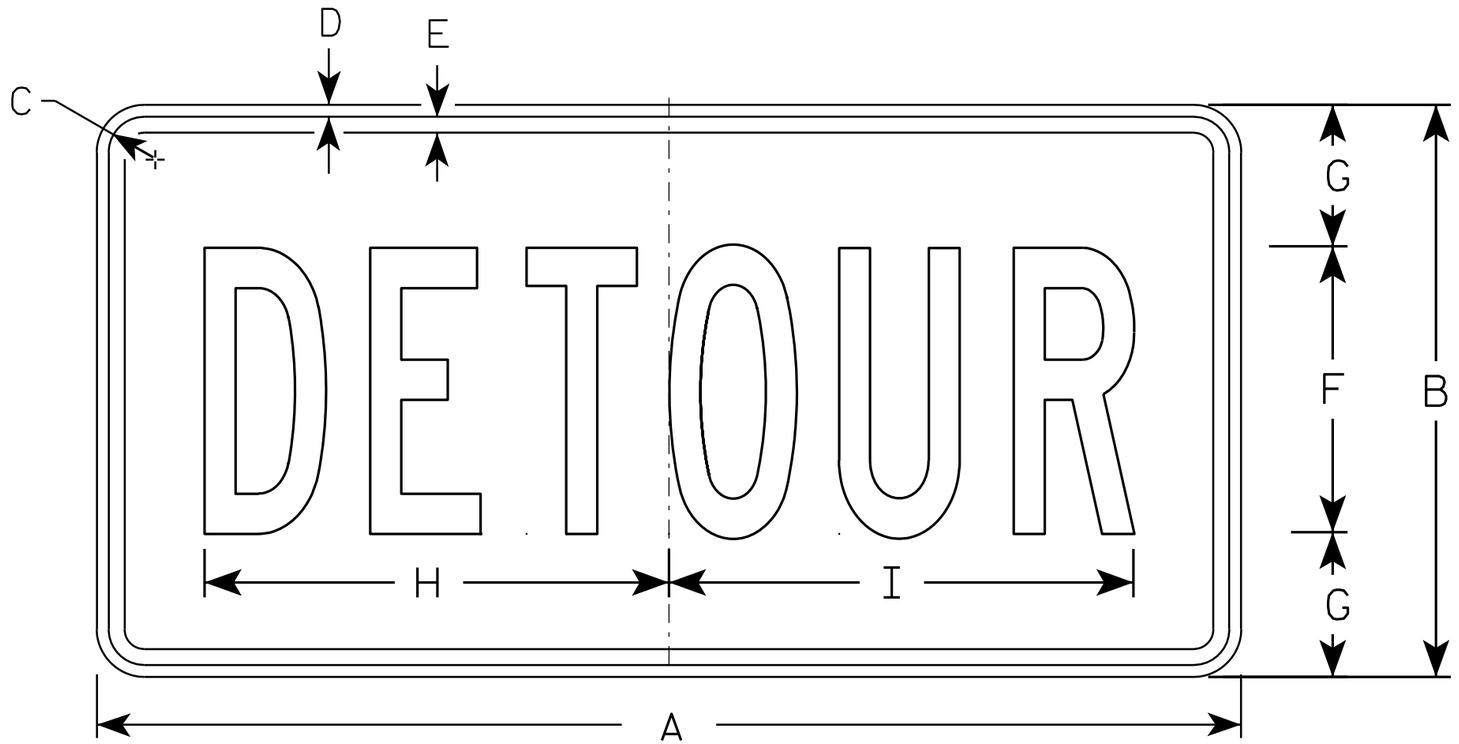
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

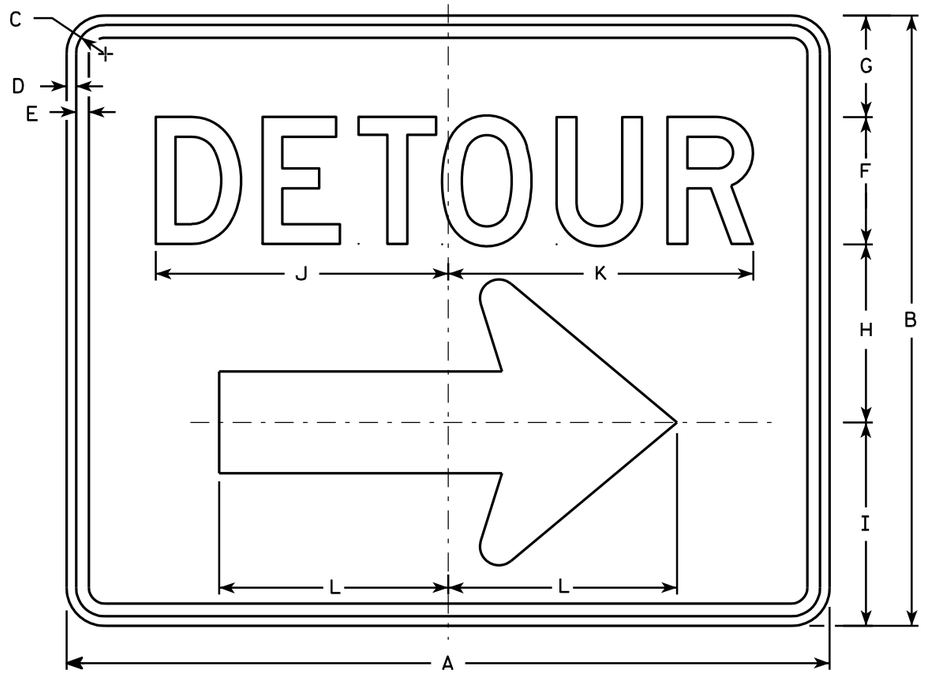
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

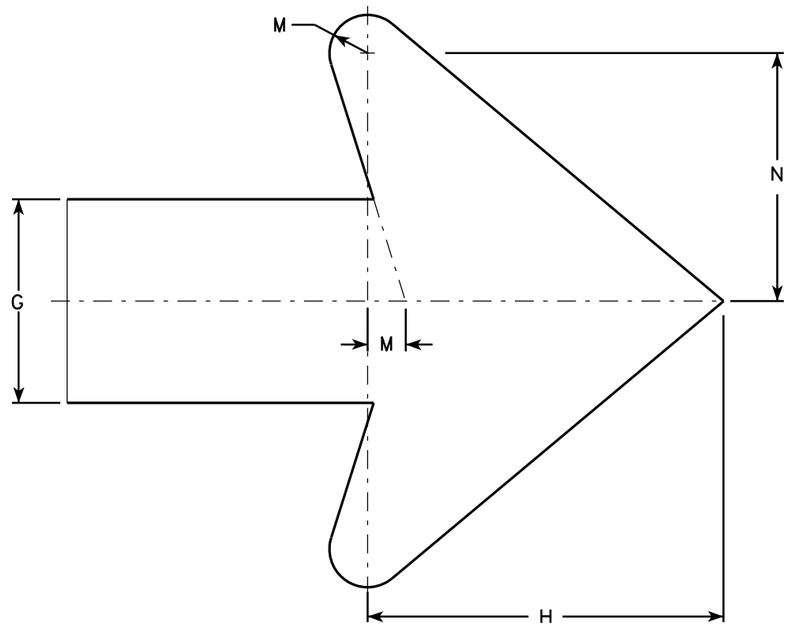
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 427	E



M4-9R

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.
5. M4-9L is the same as M4-9R except the arrow is reversed.



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																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

STANDARD SIGN
M4-9 R & L

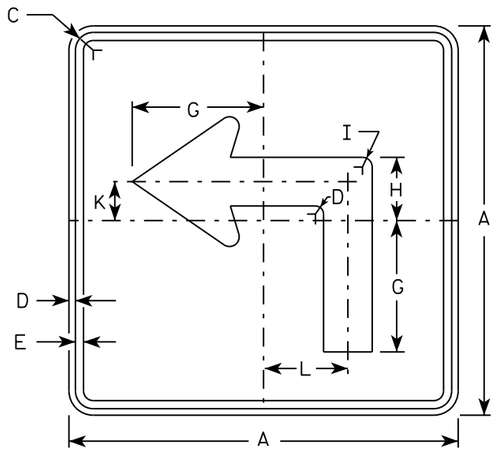
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

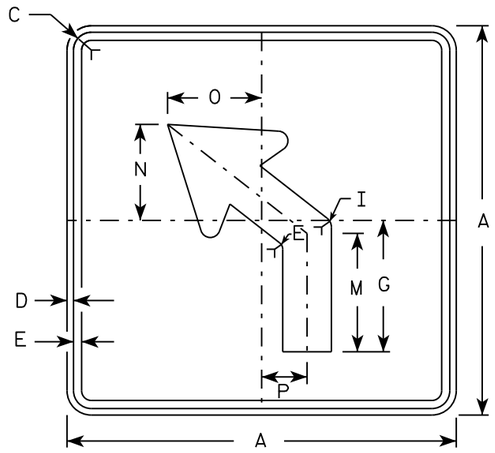
DATE 3/9/11 PLATE NO. M4-9R.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 428 | E

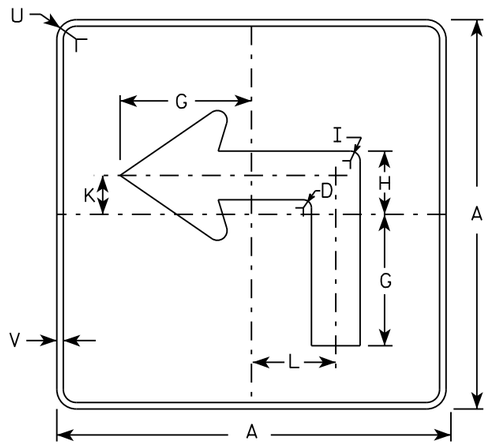
FILE NAME : C:\Users\PROJECTS\tr_stdplate\M49R.DGN PLOT DATE : 09-MAR-2011 11:17 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.959043:1.000000



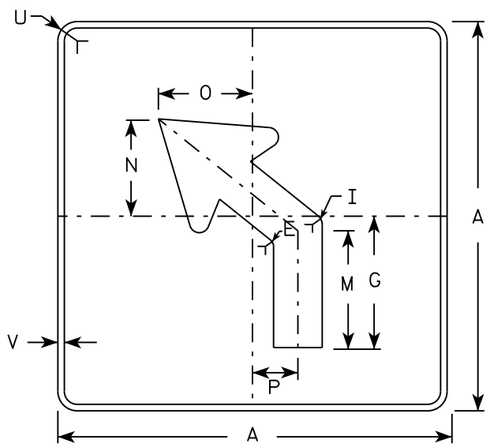
M5-1L
MM5-1L
MO5-1L
MP5-1L



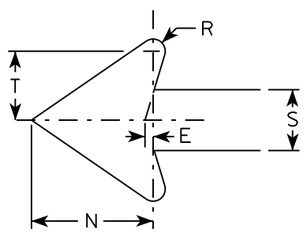
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

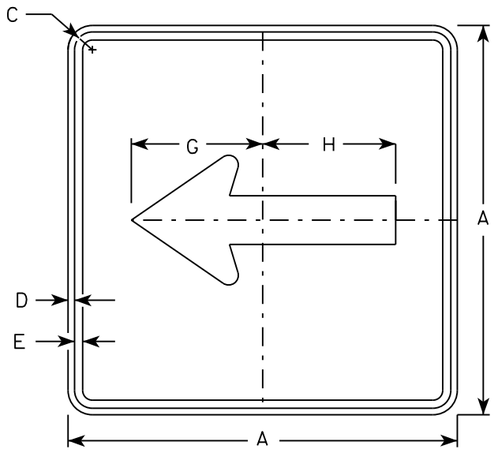
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

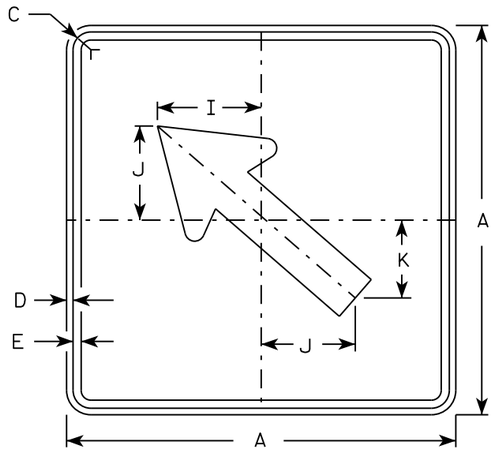
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



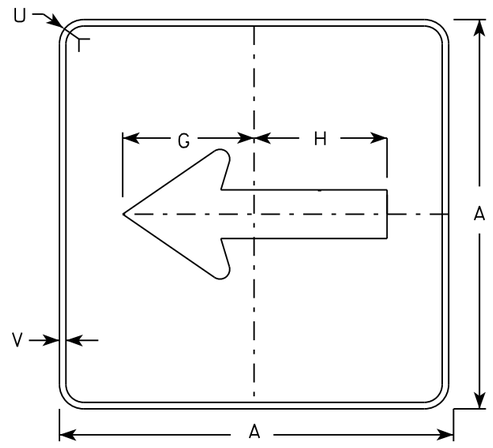
M6-1
MM6-1
MO6-1
MP6-1



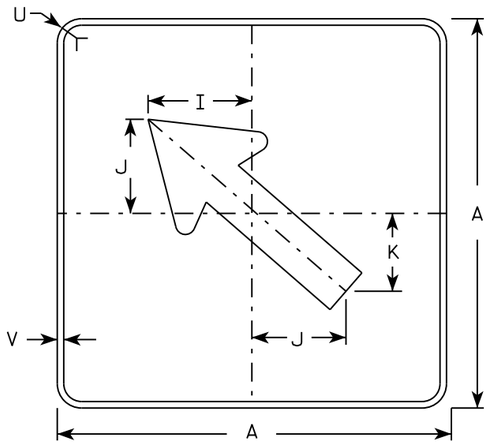
M6-2
MM6-2
MO6-2
MP6-2

NOTES

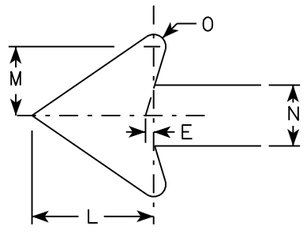
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN M6-1 & M6-2 SERIES

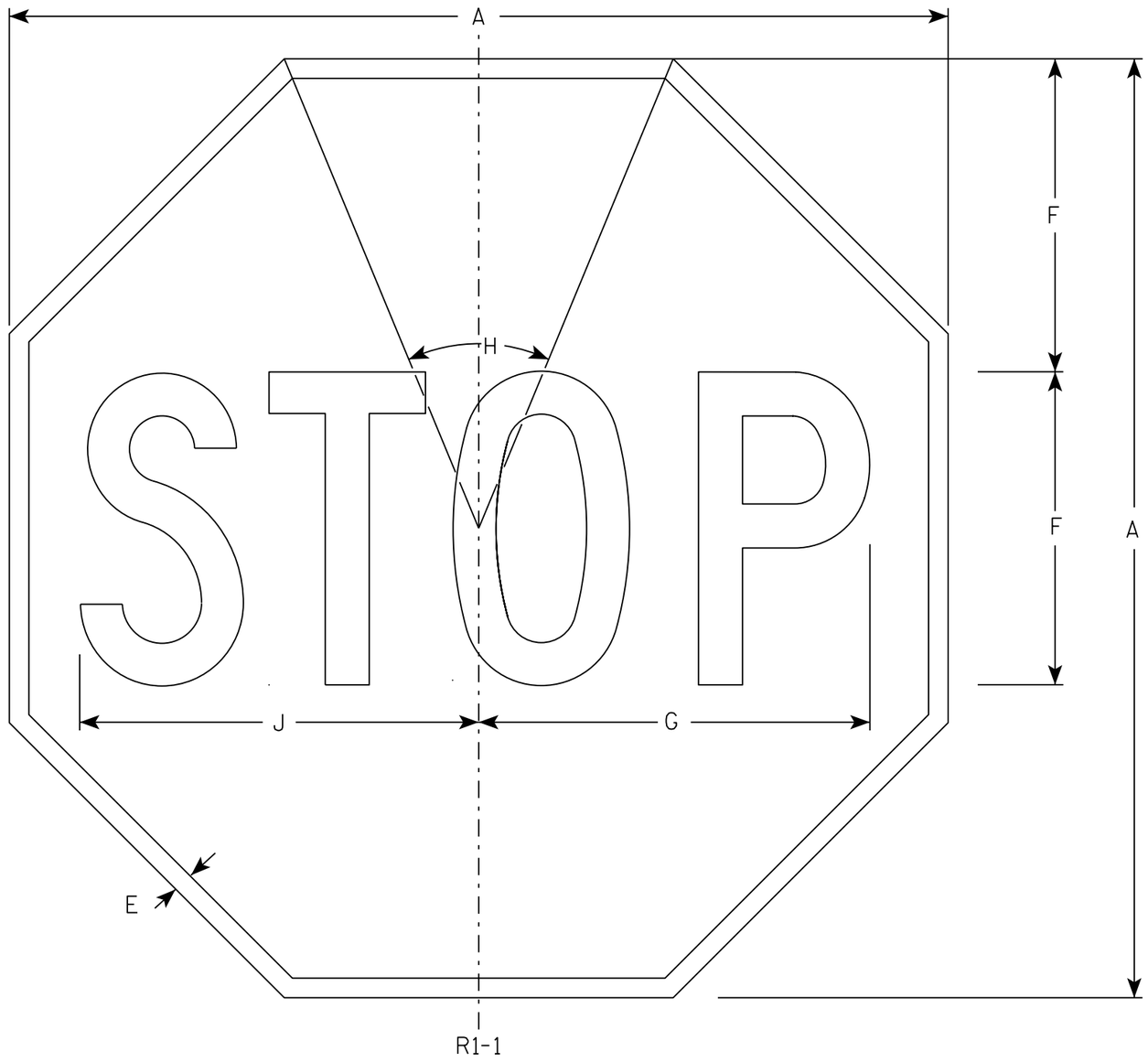
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 430 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message 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	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

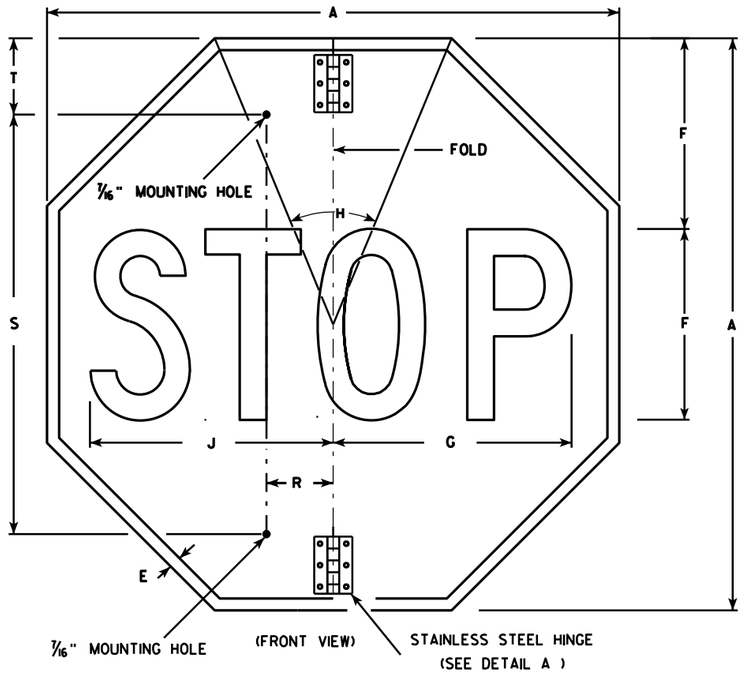
STANDARD SIGN
R1-1

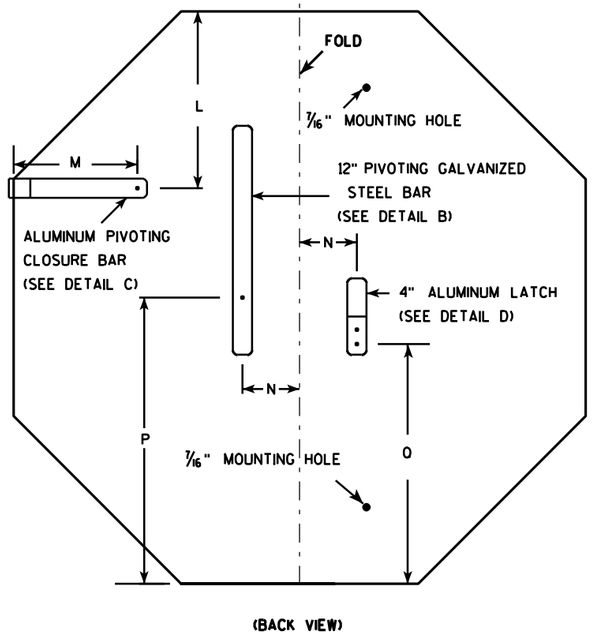
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

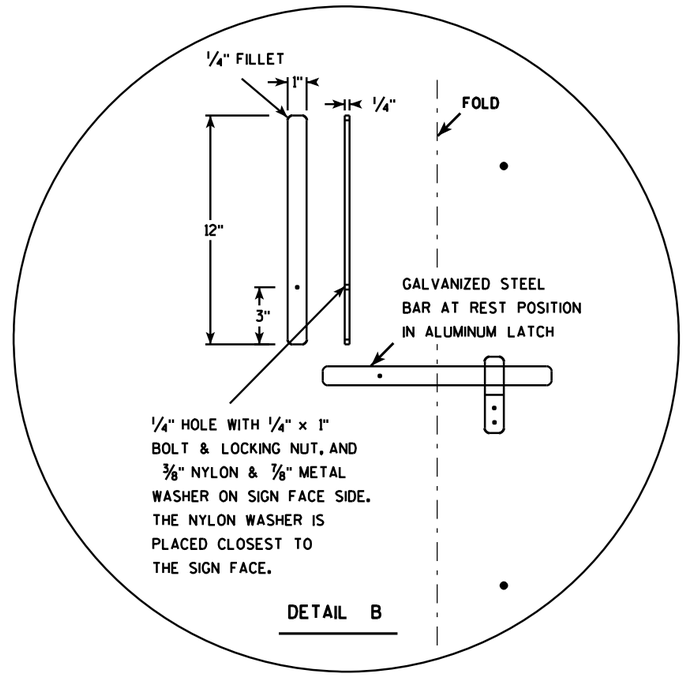
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 431	E

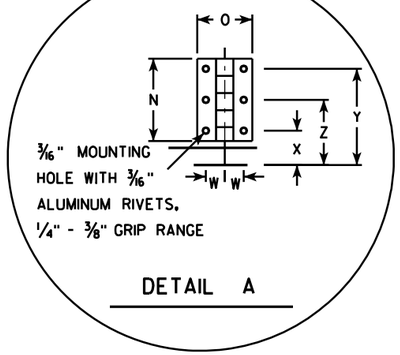


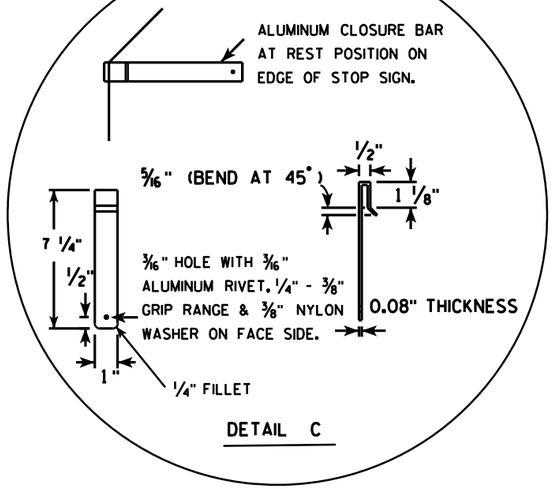


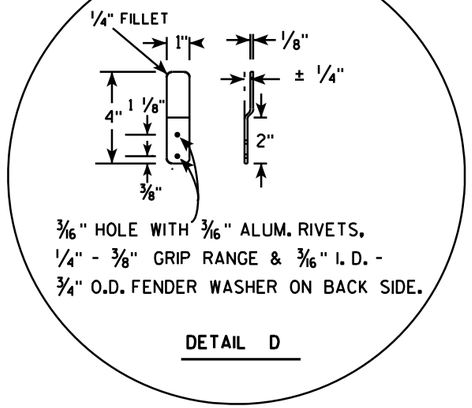
NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.









SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

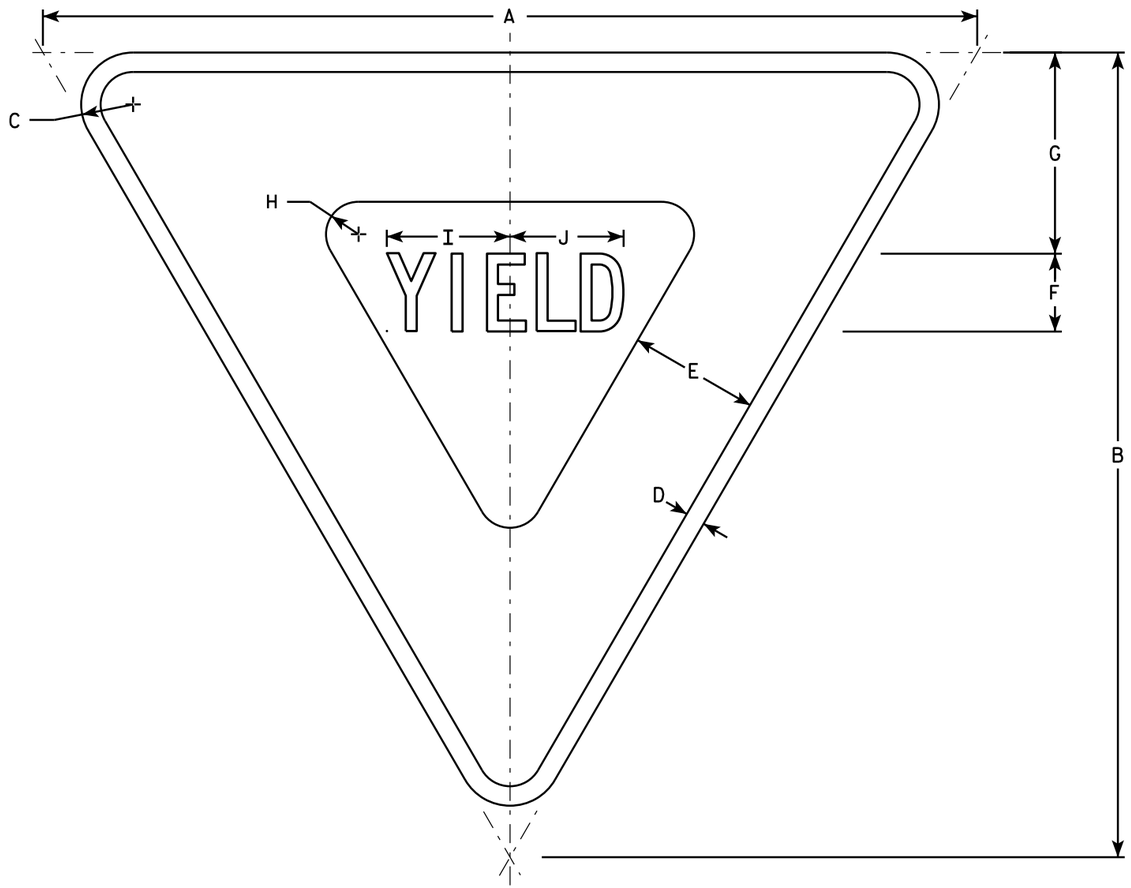
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 432	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

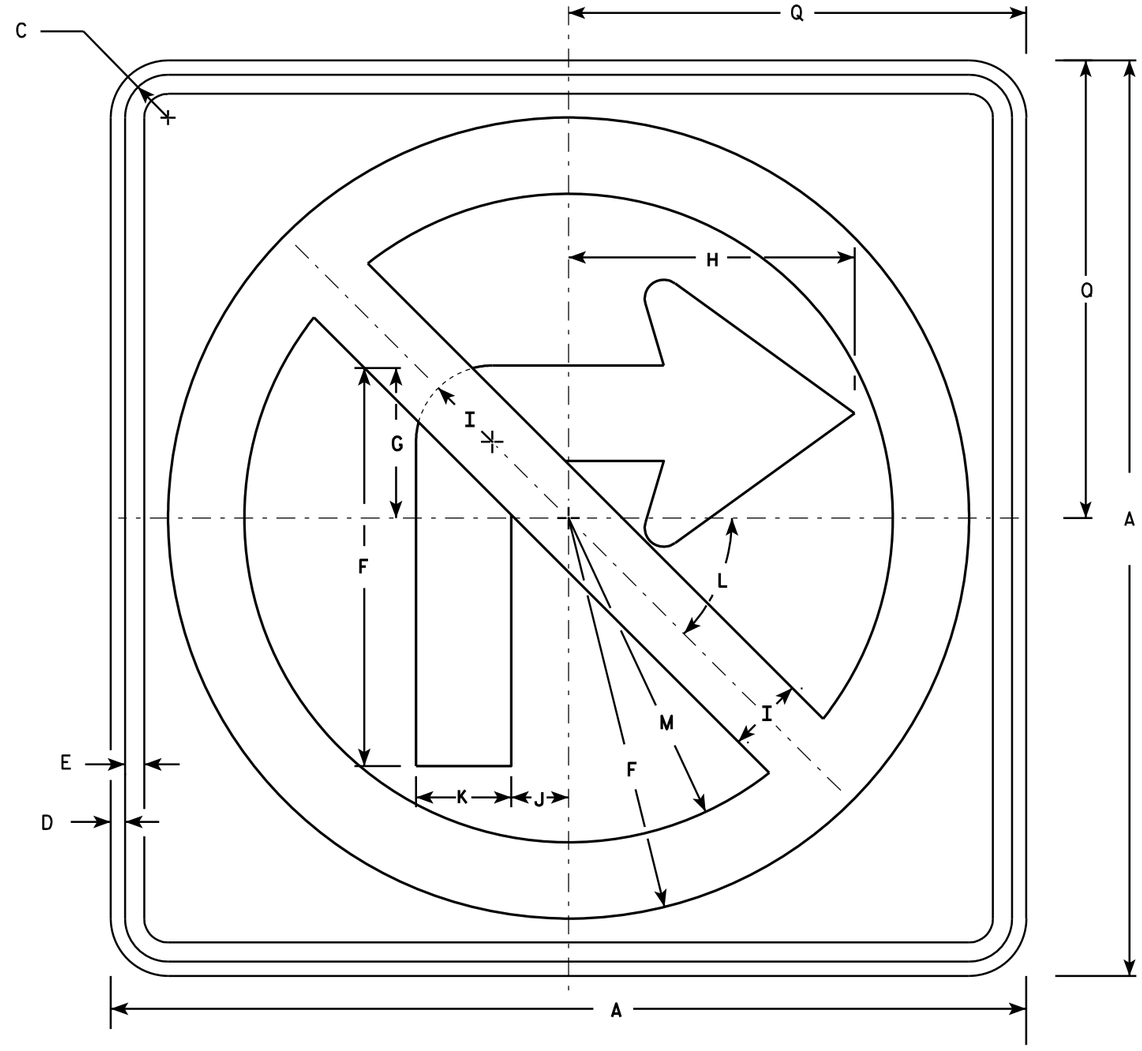
STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE P1-2.12

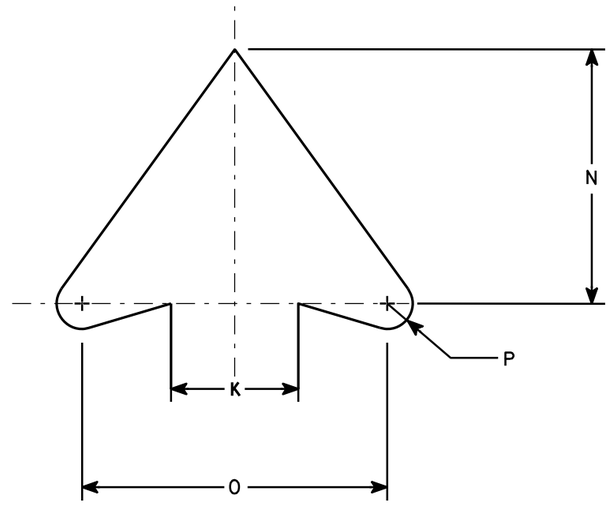
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



R3-1

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 - 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	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

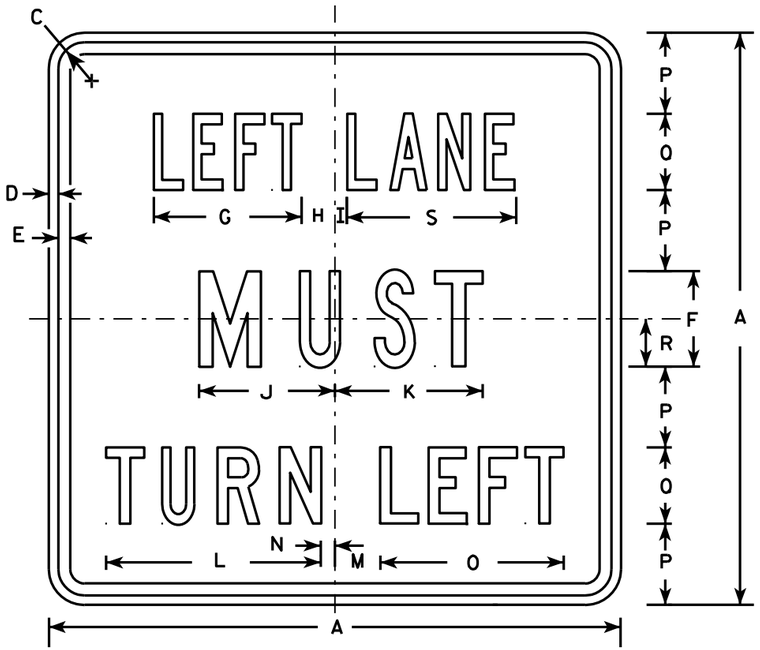
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

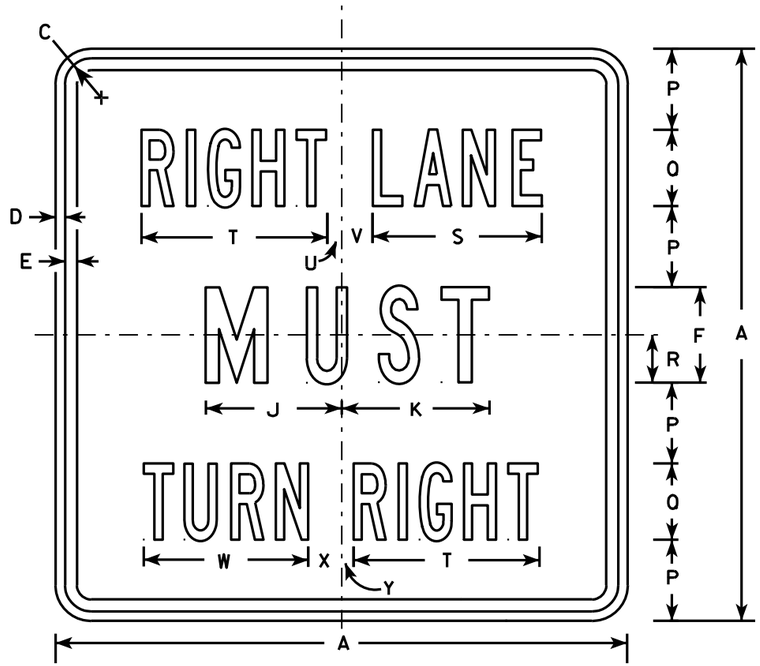
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 434	E



R3-7L



R3-7R

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 - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
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	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

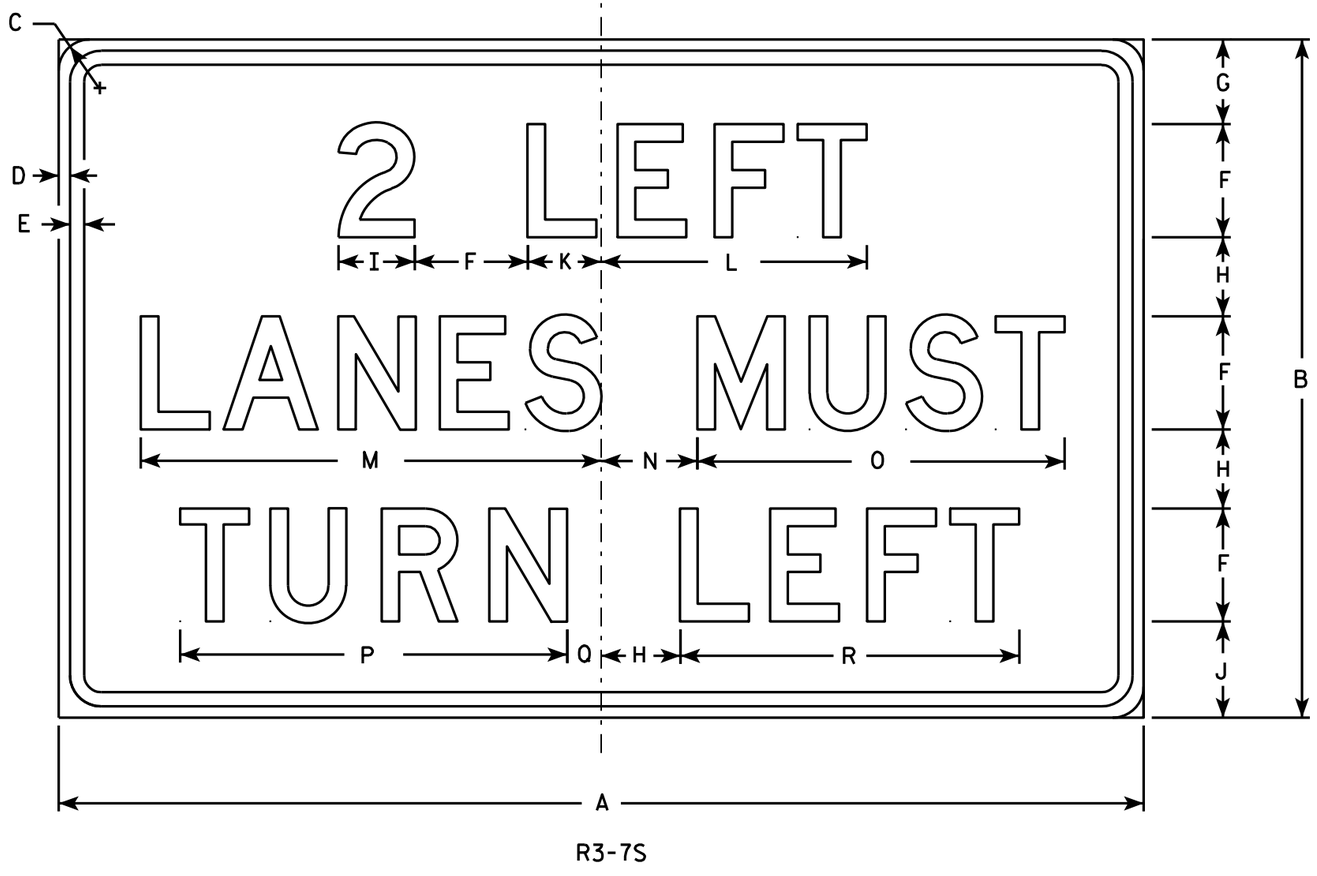
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 435 | E



R3-7S

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	48	30	1 3/8	1/2	5/8	5	3 3/4	3 1/2	3 3/8	4 1/4	3 1/4	11 3/4	20 3/8	4 1/4	16 1/4	17 1/8	1 1/2	15									10.0
2S	48	30	1 3/8	1/2	5/8	5	3 3/4	3 1/2	3 3/8	4 1/4	3 1/4	11 3/4	20 3/8	4 1/4	16 1/4	17 1/8	1 1/2	15									10.0
2M	48	30	1 3/8	1/2	5/8	5	3 3/4	3 1/2	3 3/8	4 1/4	3 1/4	11 3/4	20 3/8	4 1/4	16 1/4	17 1/8	1 1/2	15									10.0
3																											
4																											
5																											

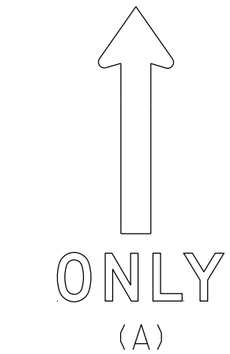
STANDARD SIGN
R3-7S

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

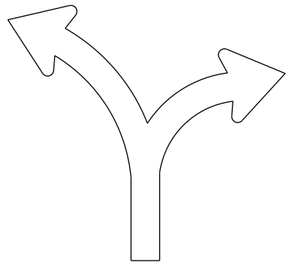
DATE 3/18/2011 PLATE NO. R3-7S.4

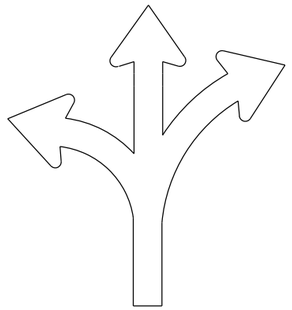
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 436 | E

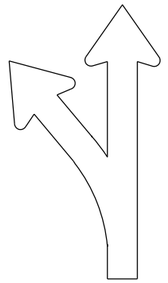


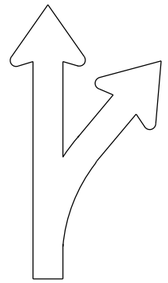
(A)

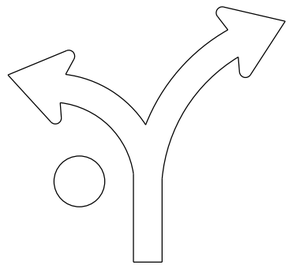
(B)

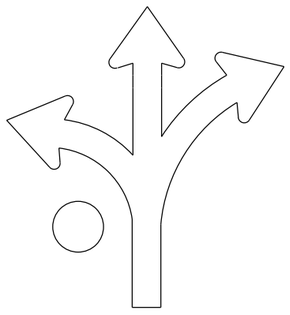

(C)

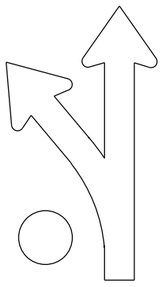

(D)


(E)

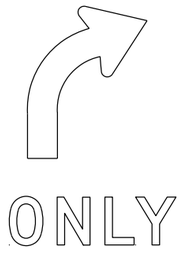

(F)


(G)

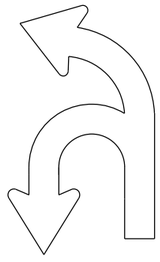

(H)


(I)

(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

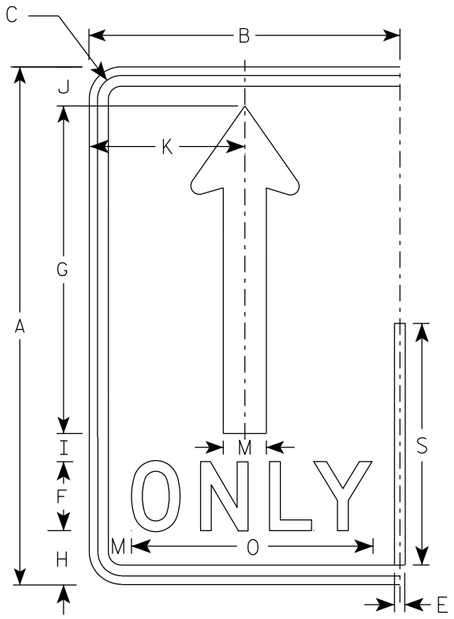
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

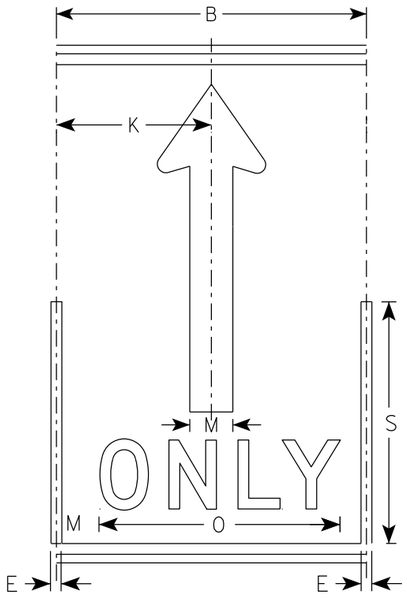
DATE 5/21/19 PLATE NO. R3-8.1

NOTES

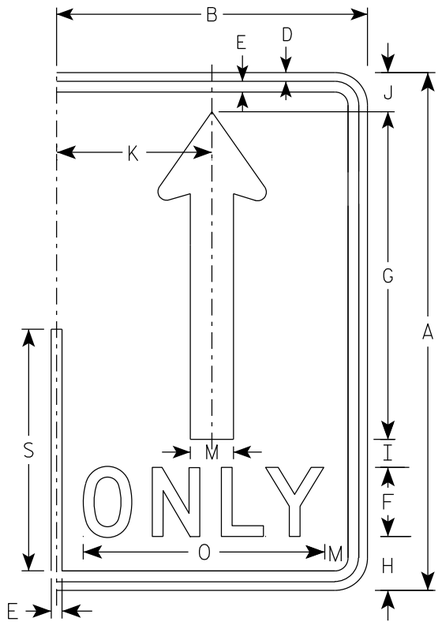
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



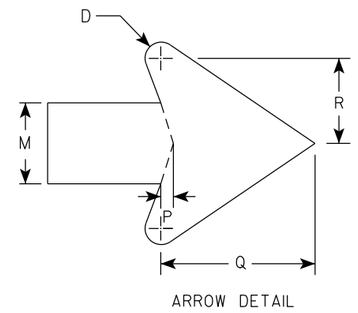
(A)



(A)



(A)



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	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

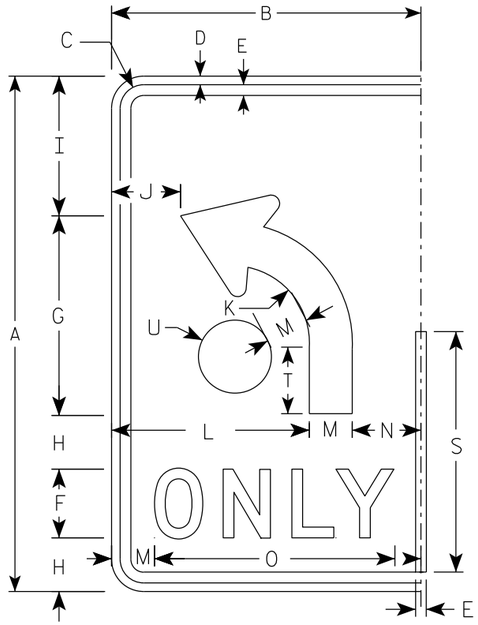
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

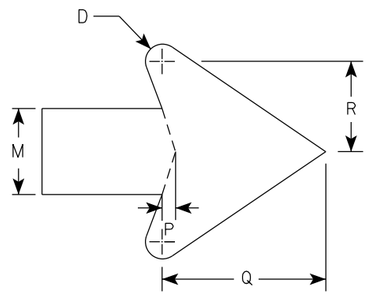
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 438 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



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	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

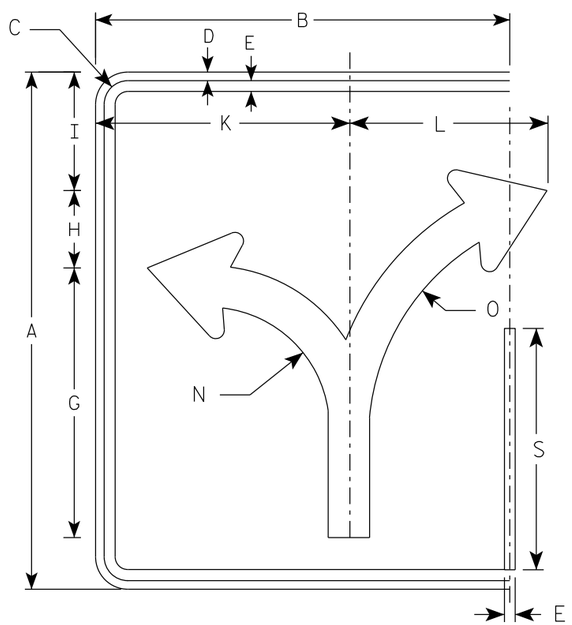
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

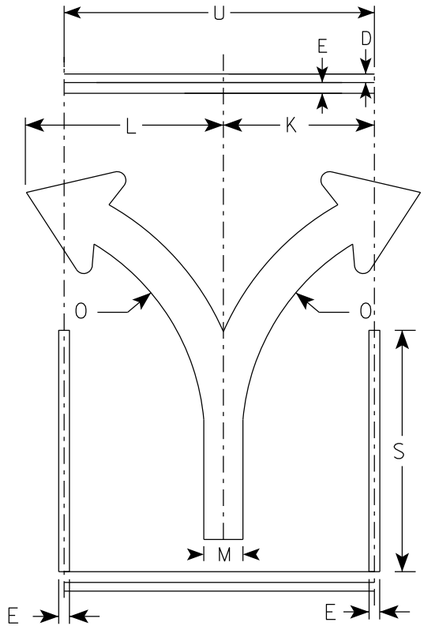
SHEET NO: 439 E

NOTES

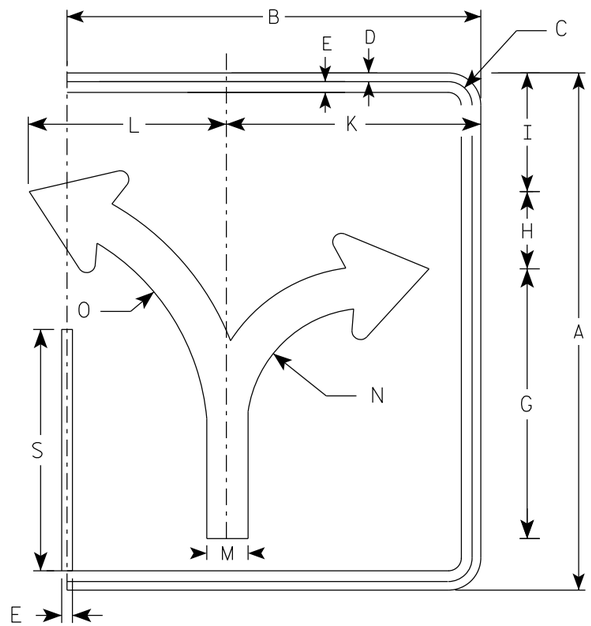
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



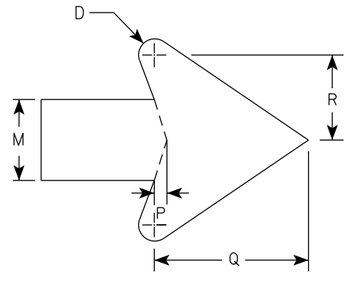
(C)



(C)



(C)



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	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

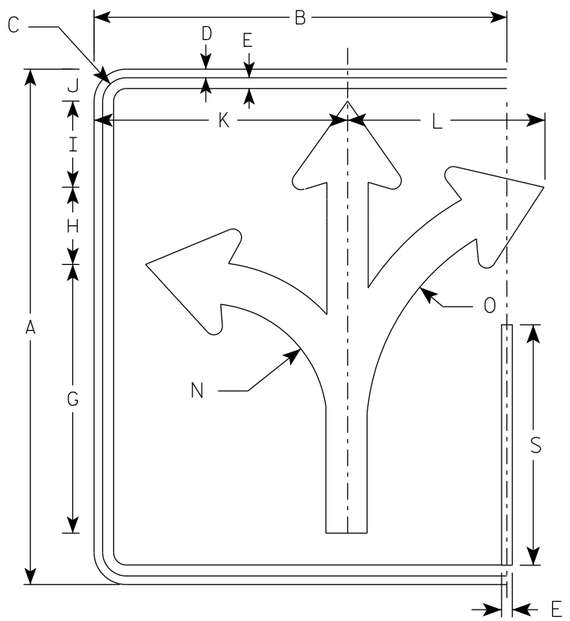
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

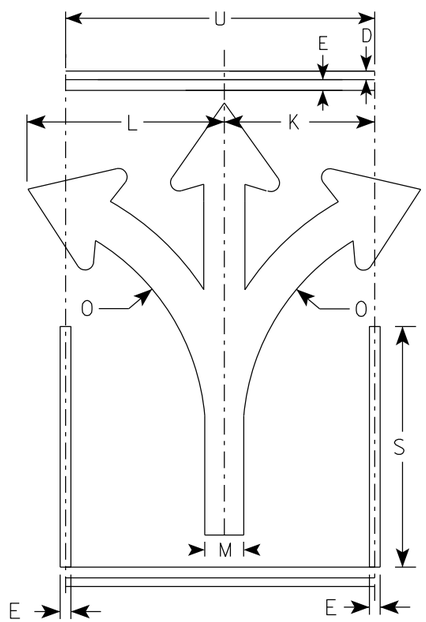
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 440 | E

NOTES

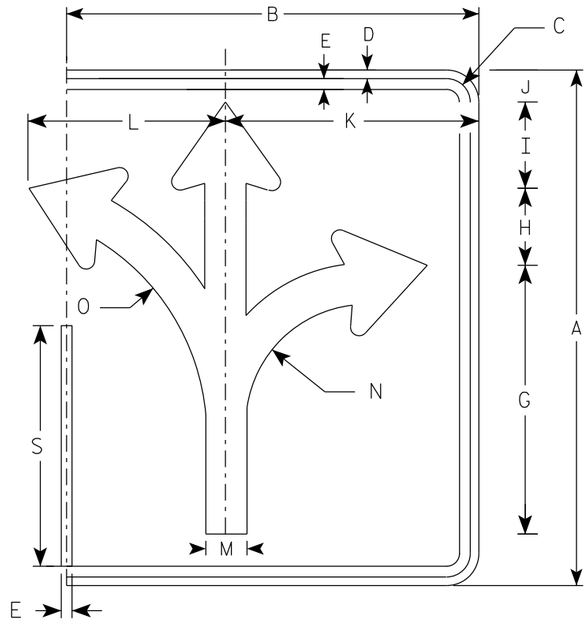
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



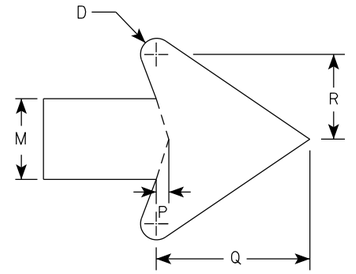
(D)



(D)



(D)



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	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

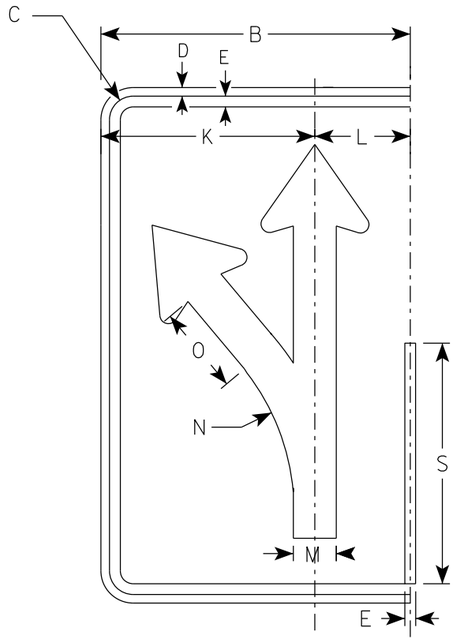
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

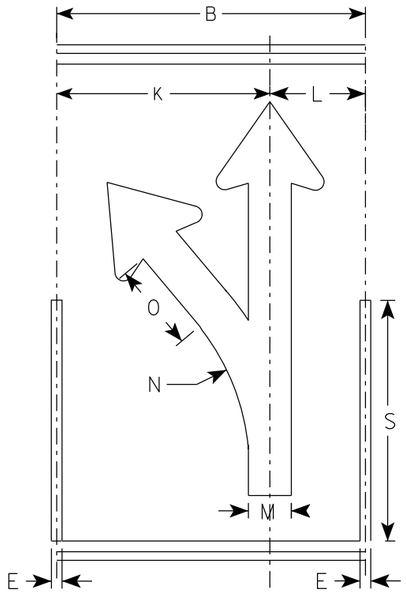
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 441 | E

NOTES

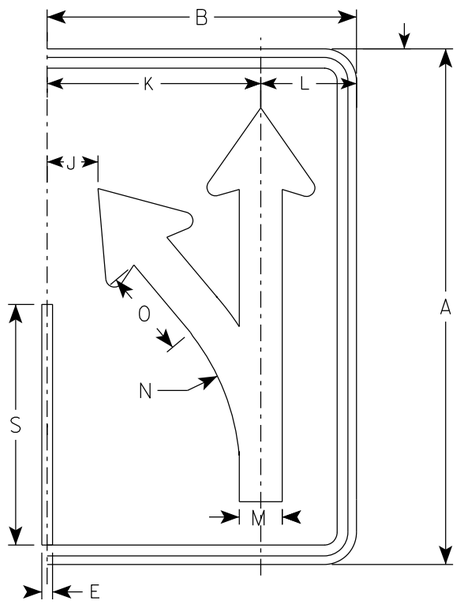
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



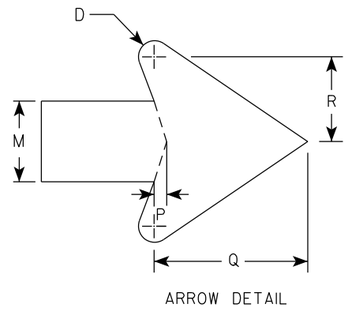
(E)



(E)



(E)



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	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

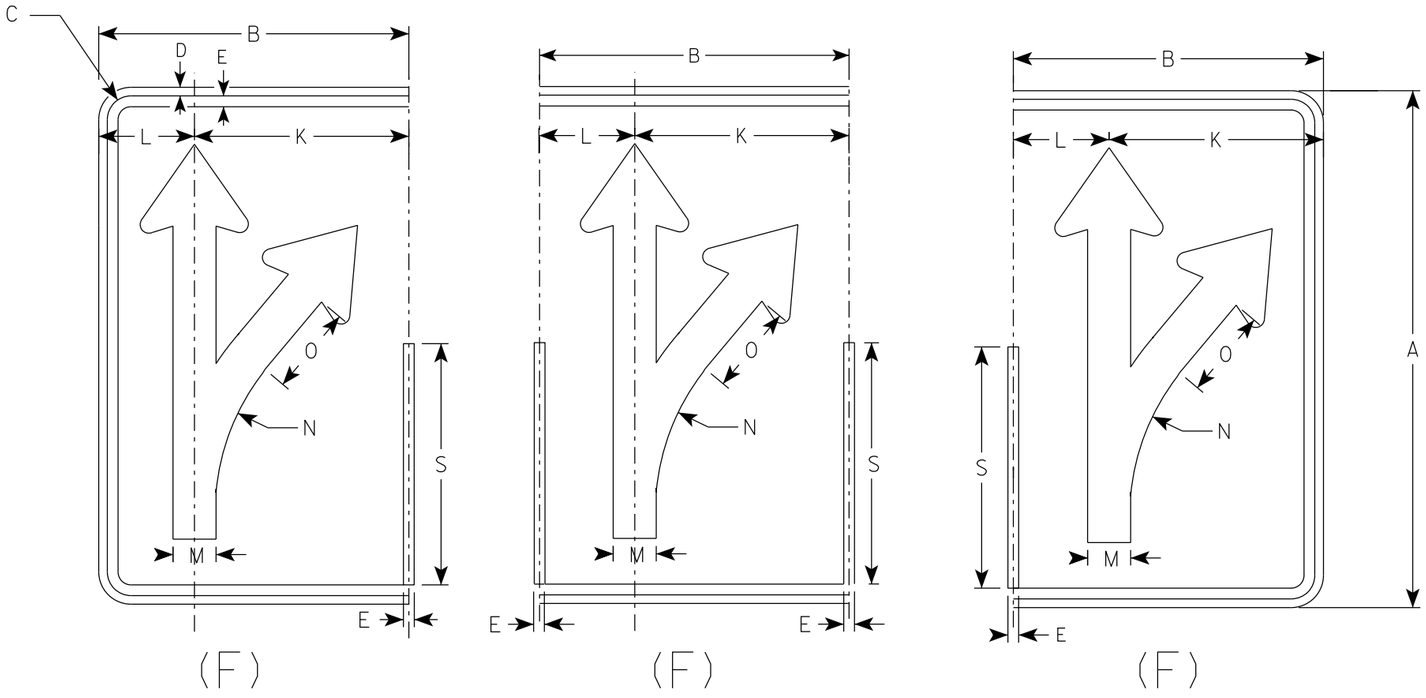
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

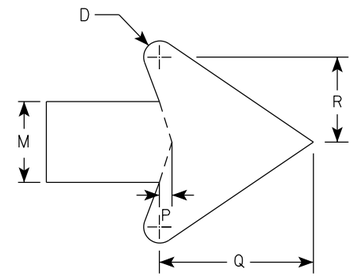
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 442 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(F) (F) (F)



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	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

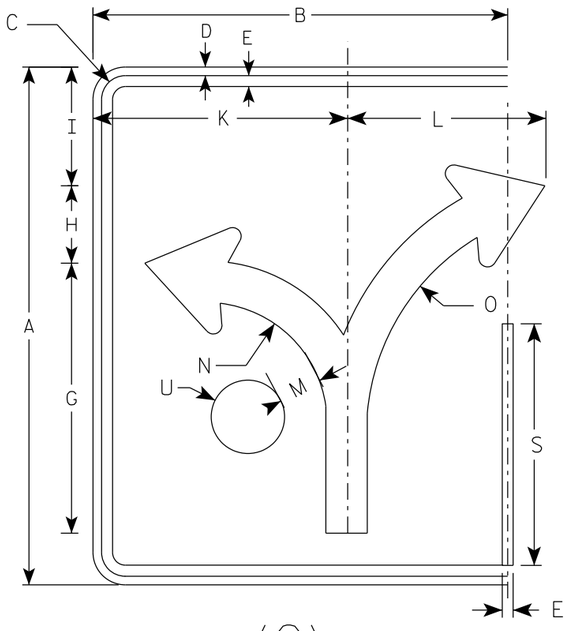
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

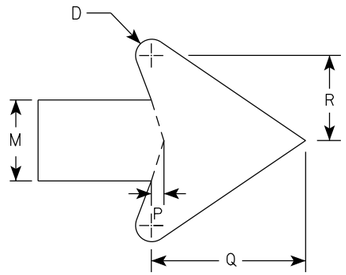
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 443 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



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	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

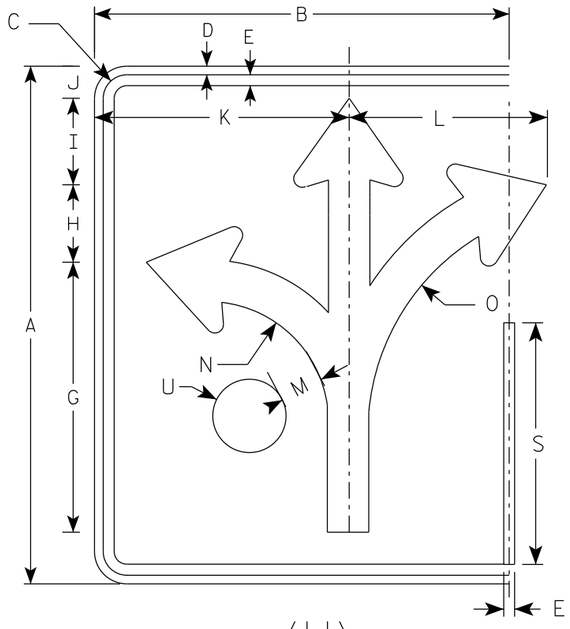
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

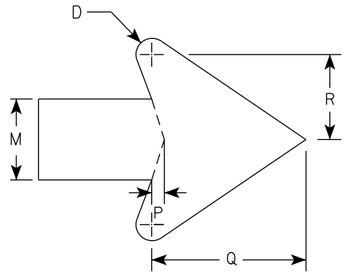
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 444 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



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	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

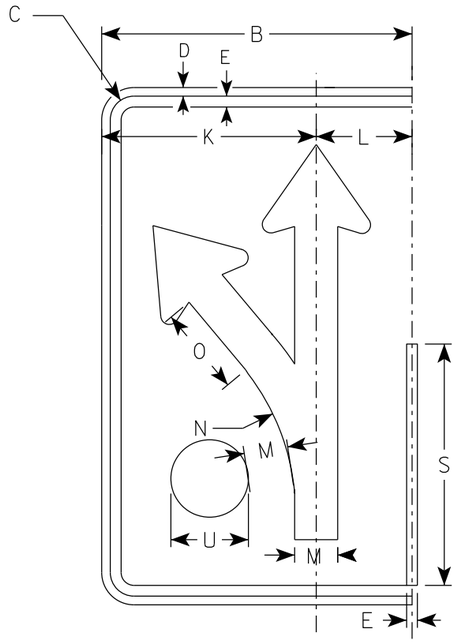
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

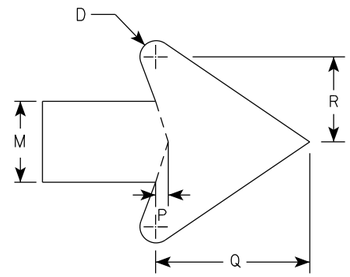
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 445	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



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	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

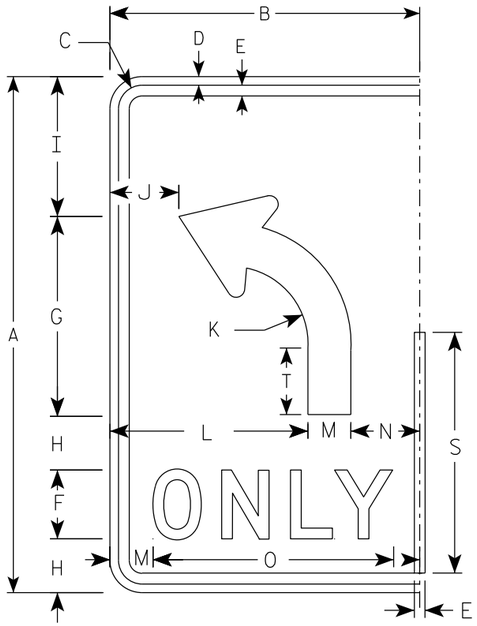
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

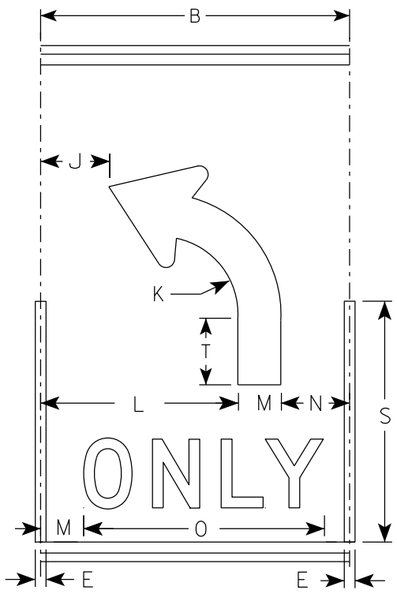
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 446 | E

NOTES

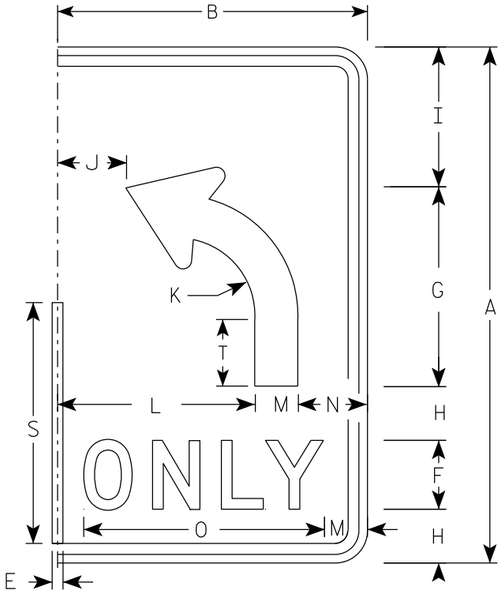
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



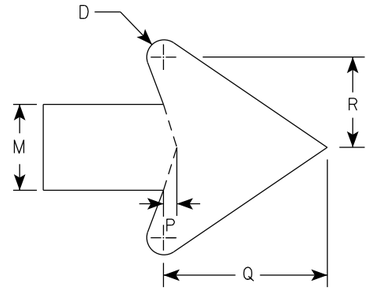
(L)



(L)



(L)



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	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

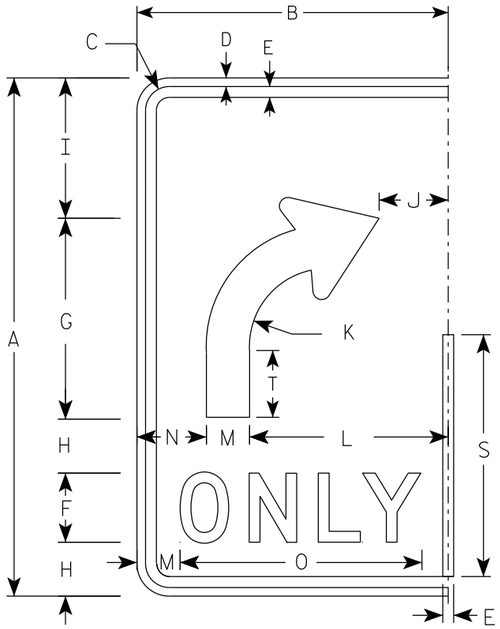
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

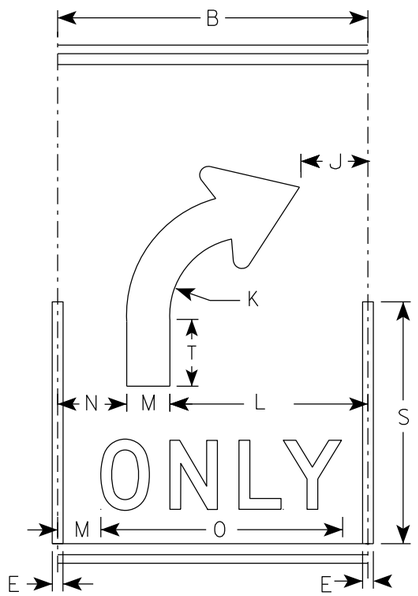
SHEET NO: 447 E

NOTES

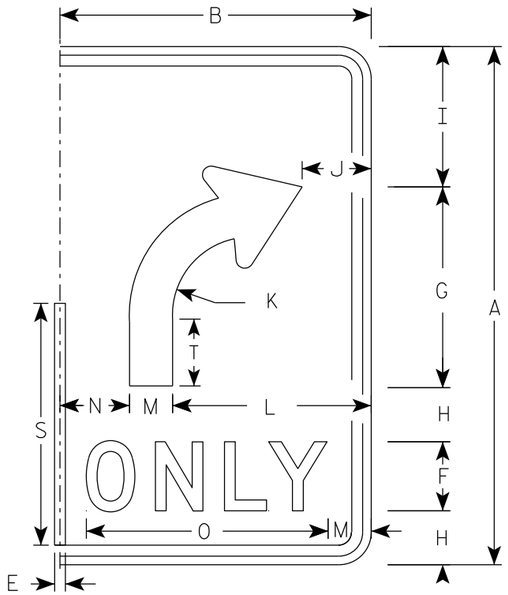
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



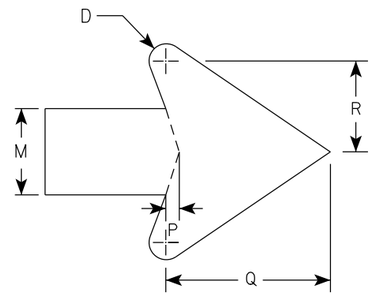
(R)



(R)



(R)



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	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN
R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

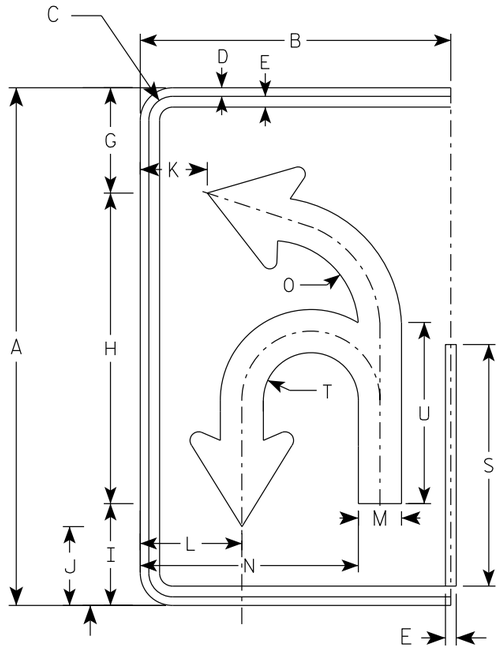
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

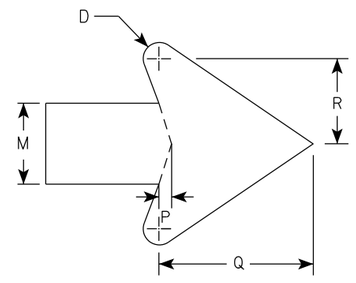
SHEET NO: 448 **E**

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



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	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

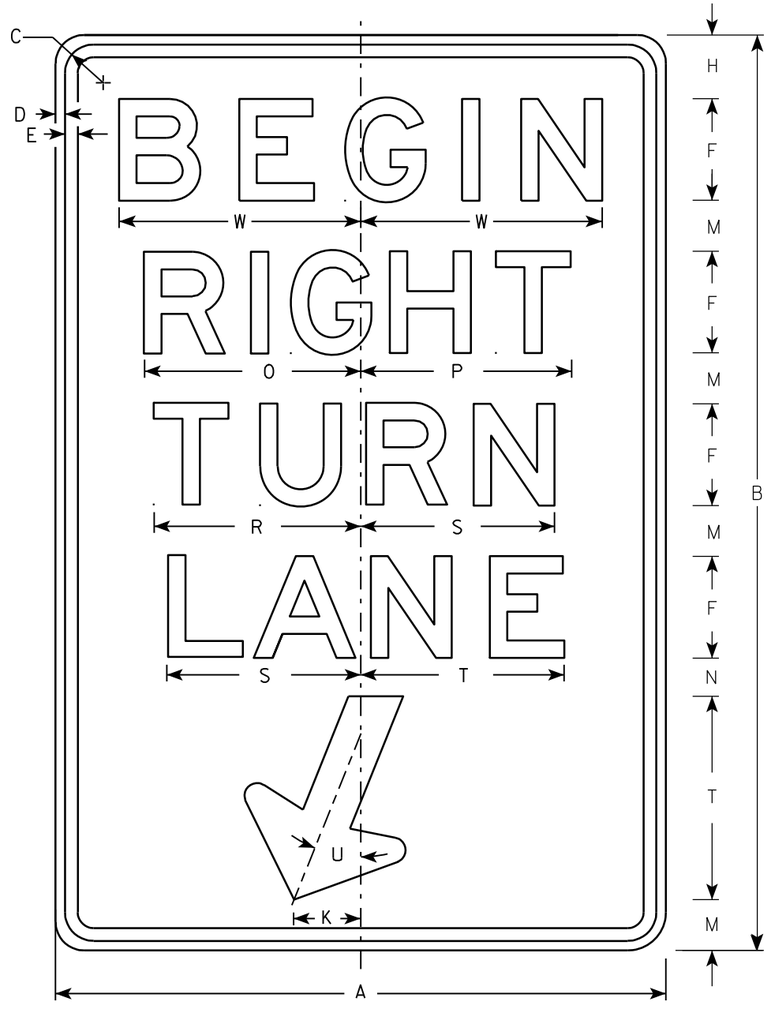
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

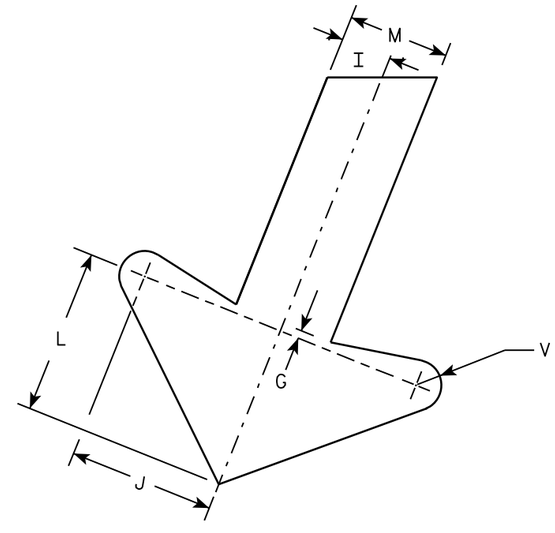
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 449 | E



R3-20R

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.



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	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

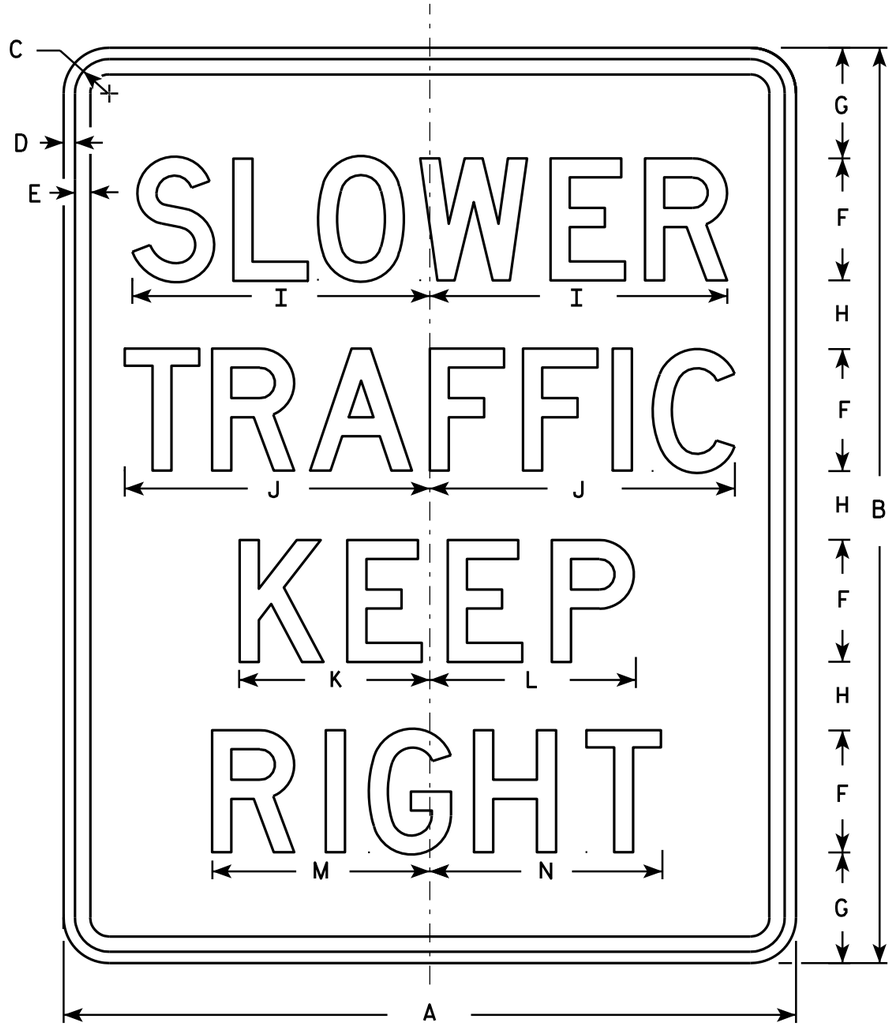
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 450 | E



R4-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
2M	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
3	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
4	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
5	48	60	2 1/4	3/4	1	8	7 1/4	4 1/2	19 1/2	20	12 1/2	13 1/2	14 1/4	15 1/4													20.0

STANDARD SIGN
R4-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-3.8

PROJECT NO:

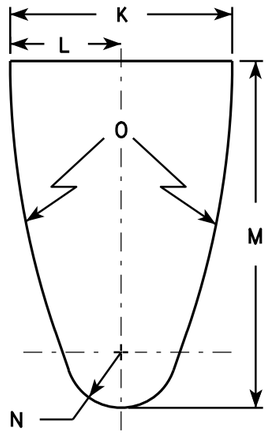
SHEET NO: 451 E

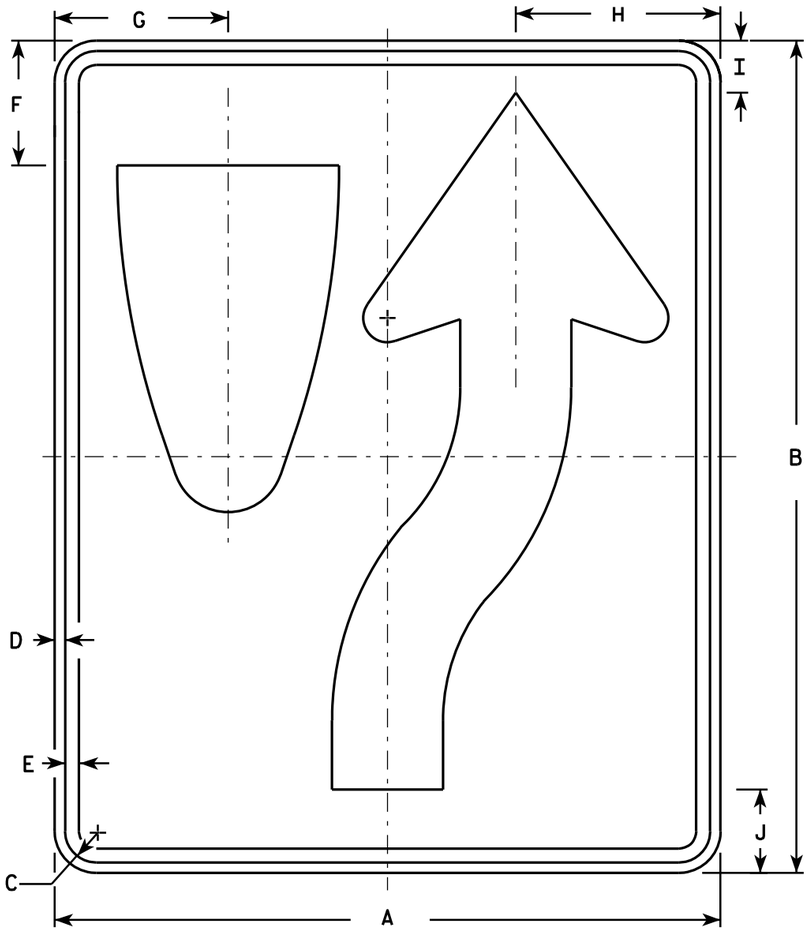
FILE NAME : C:\Users\PROJECTS\tr_stdplate\R43.DGN PLOT DATE : 25-MAR-2011 13:40 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

7

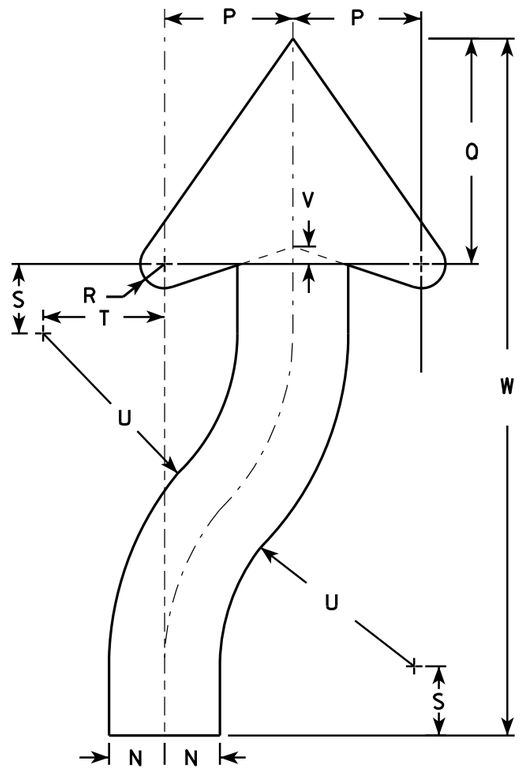




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



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	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

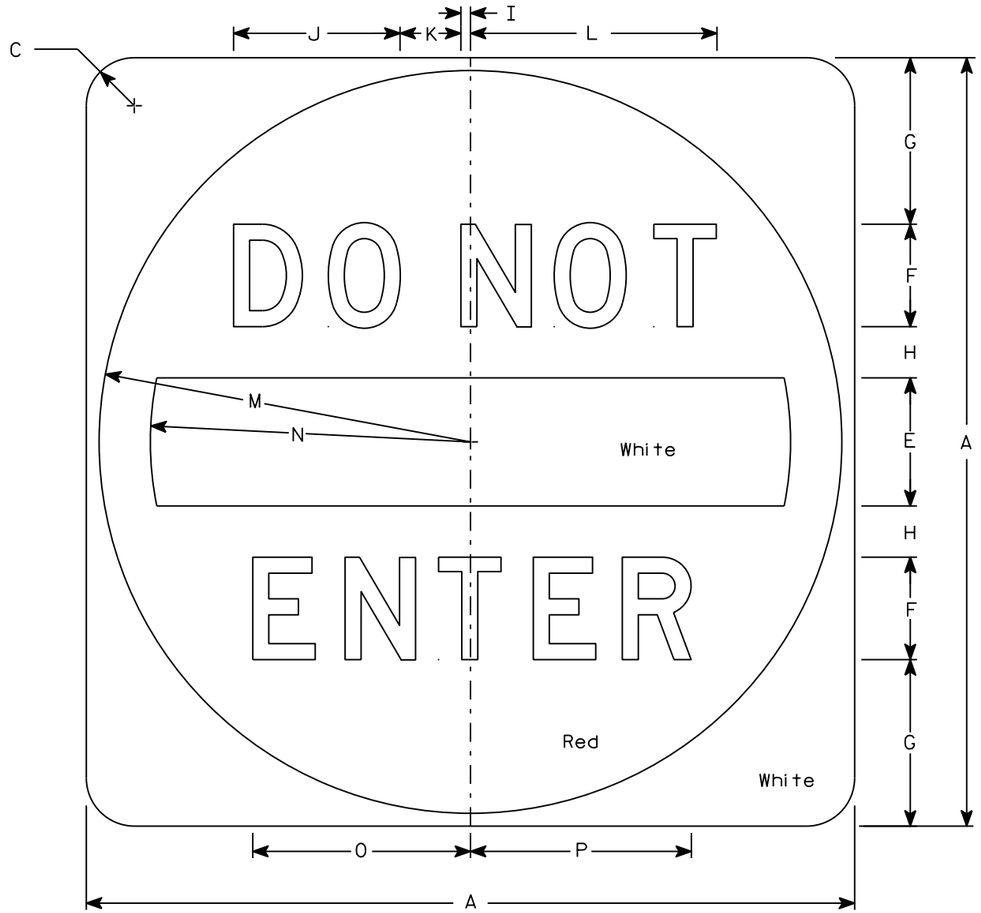
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 452	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
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	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

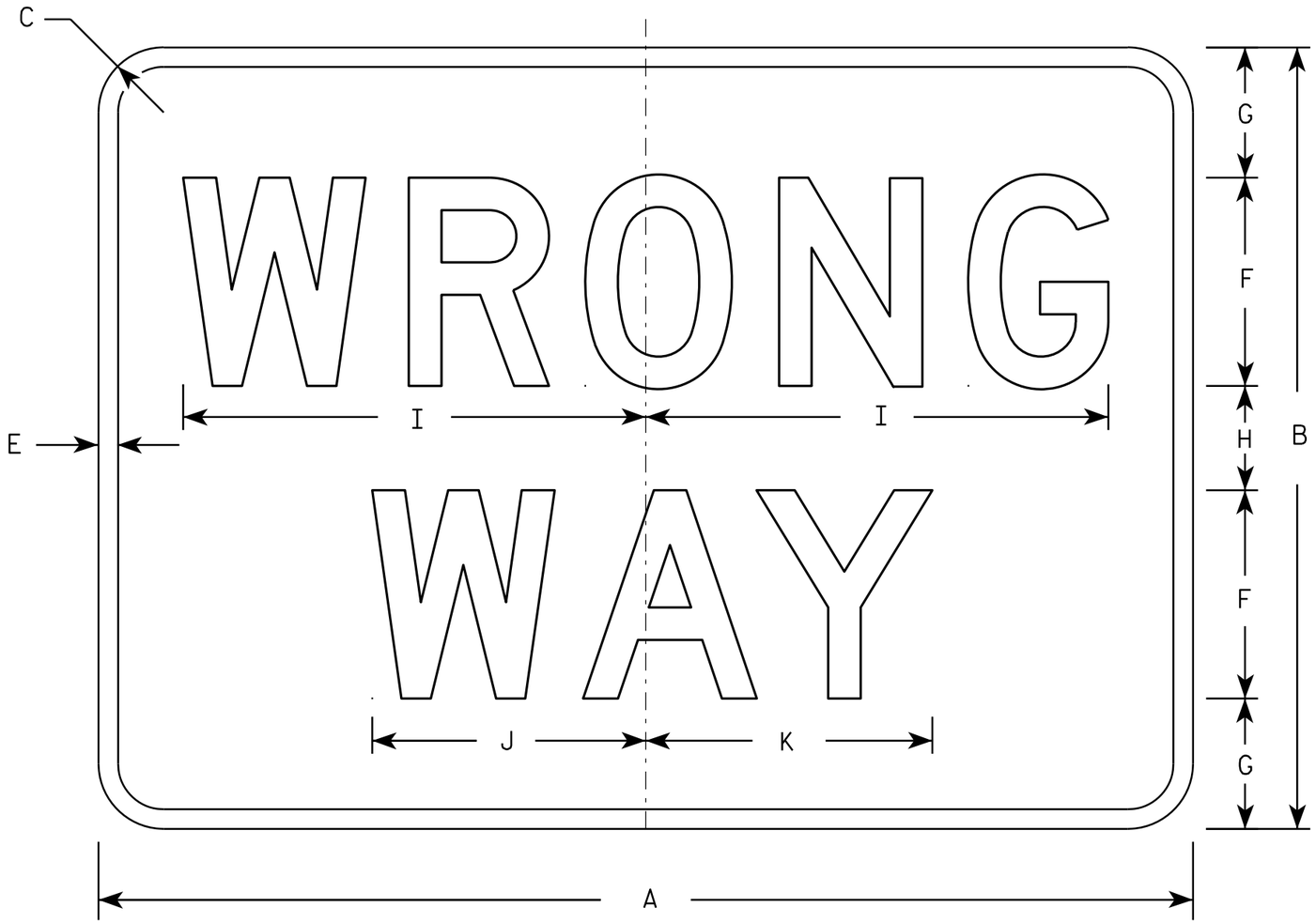
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 453 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
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	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

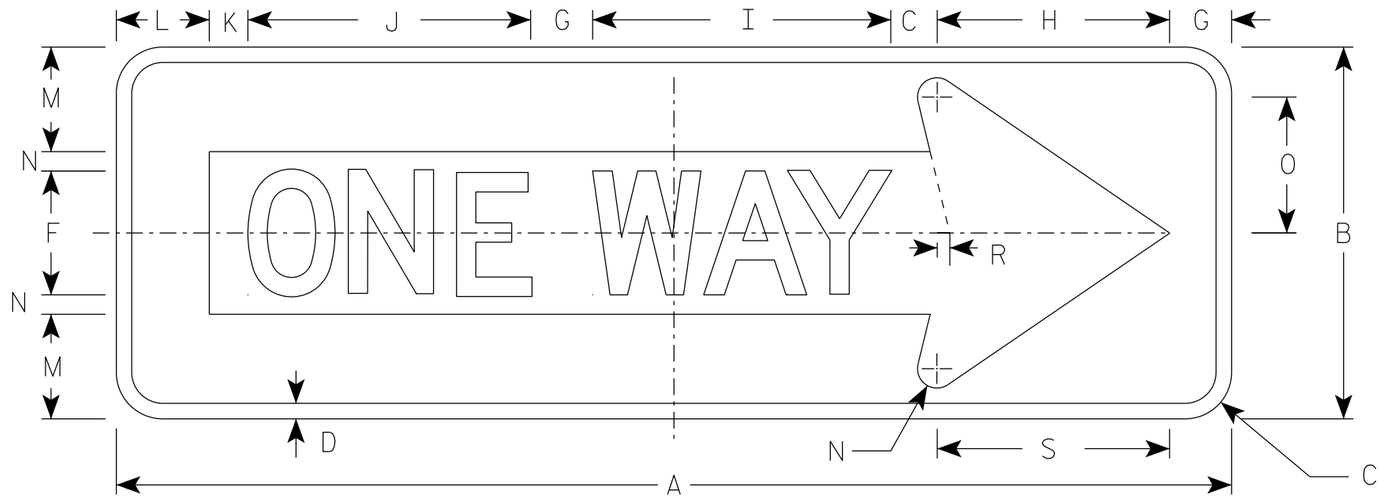
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

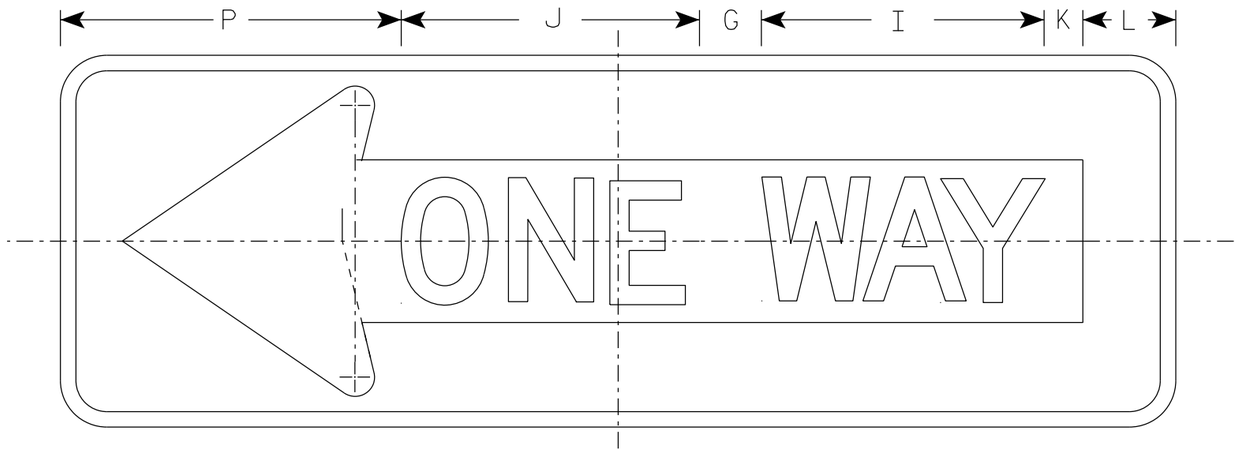
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 454 | E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



R6-1L

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	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

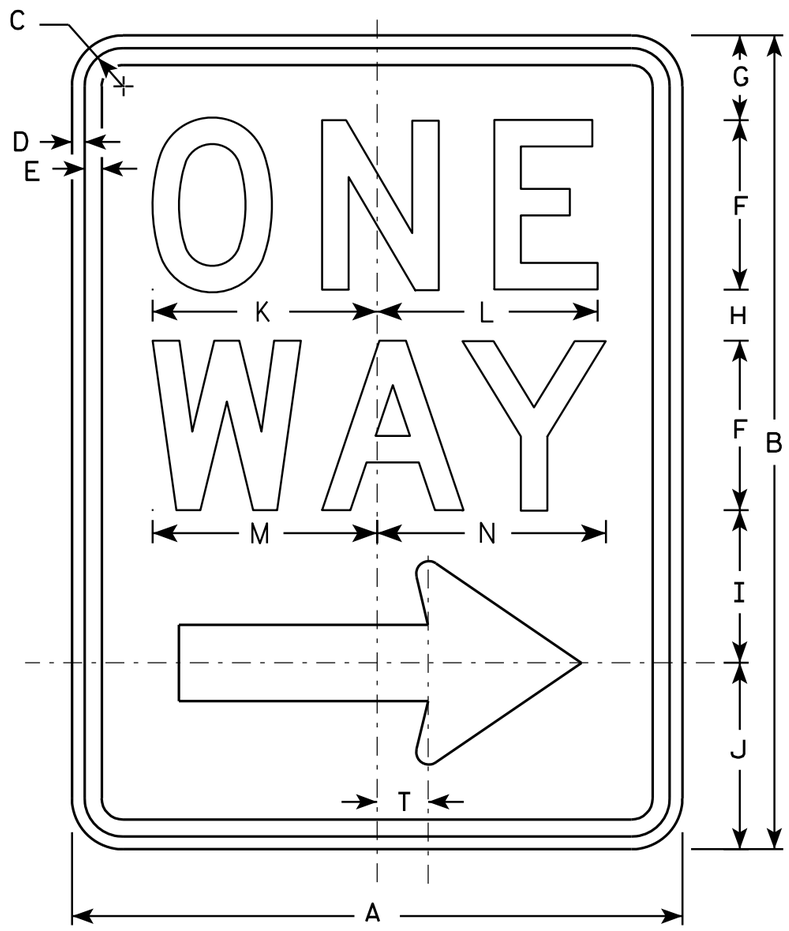
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

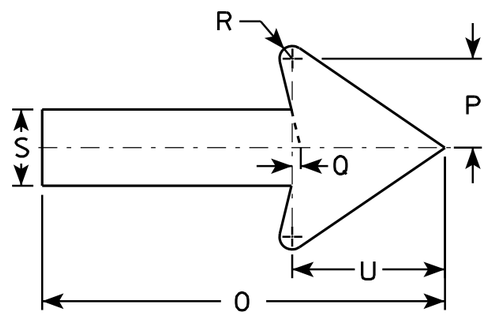
SHEET NO: 455 E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

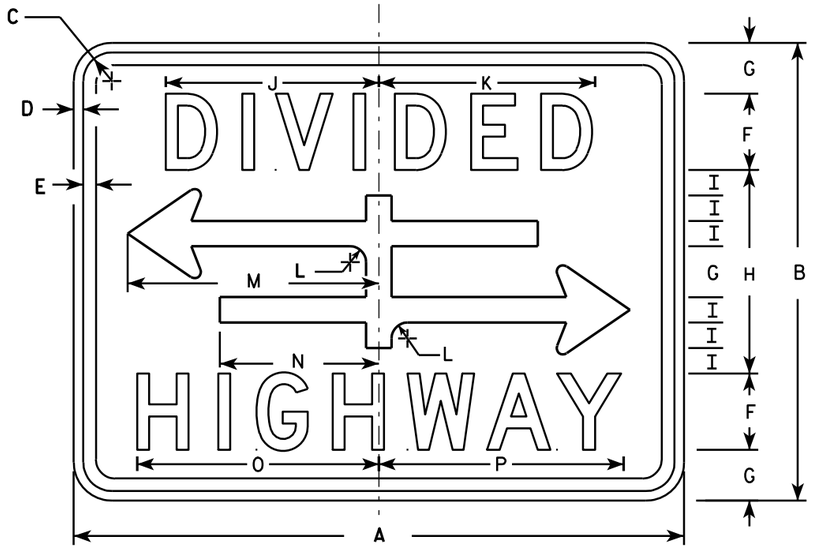
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

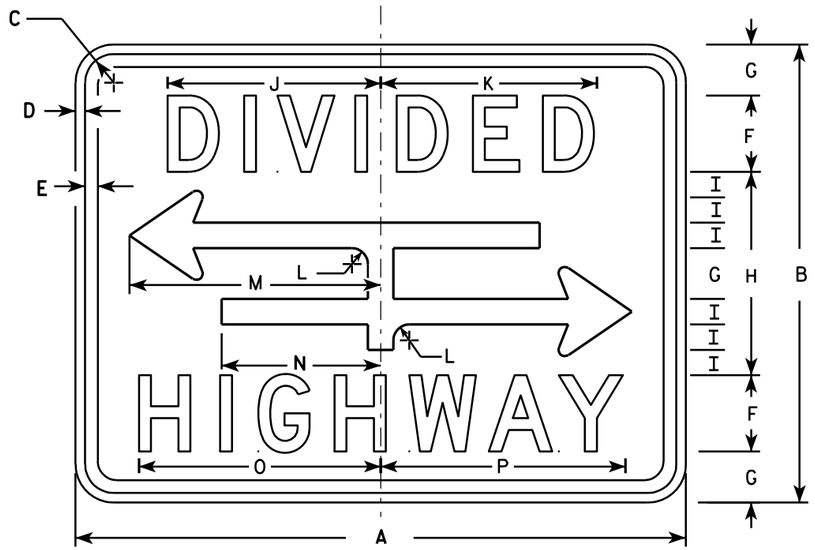
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 456	E



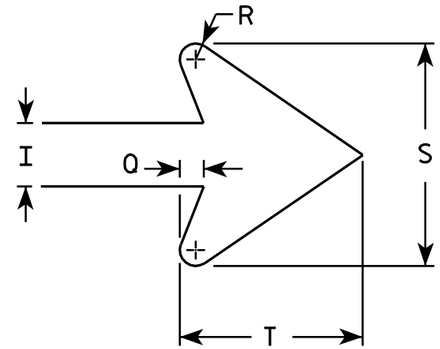
R6-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-3A



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	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

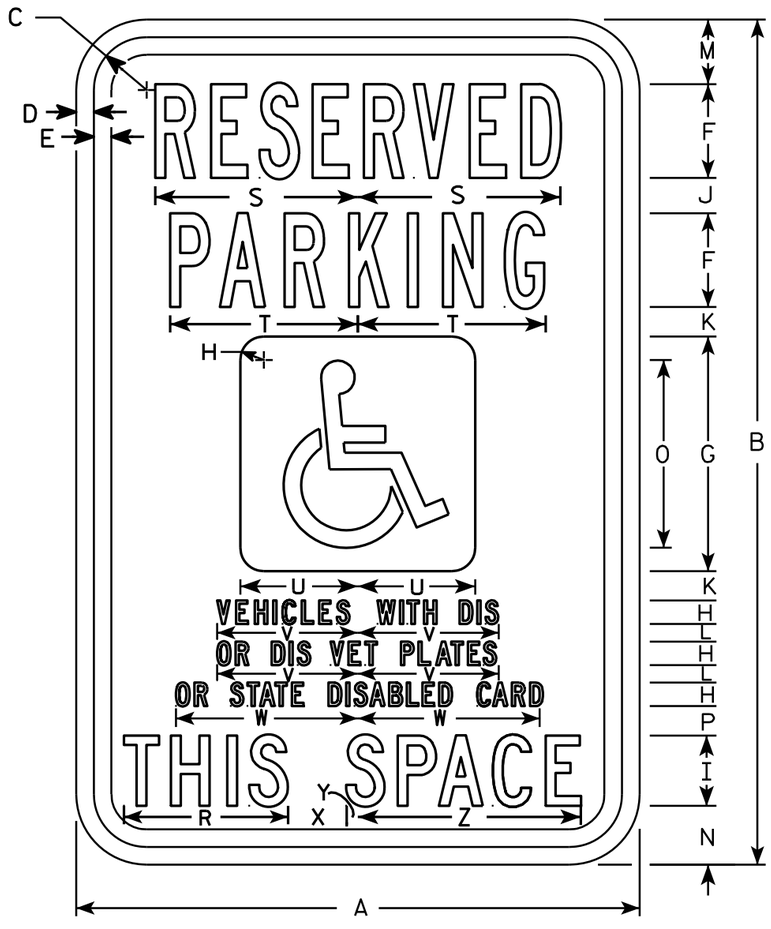
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

SHEET NO: 457 E



R7-8A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Sign is white Type H Reflective; paraplegic background is blue.
   Message - Legend and border are green; paraplegic symbol is white
3. Message Series - Lines 1 & 2 are Series B
   Lines 3, 4, 5 & 6 are Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	18	1 1/8	3/8	3/8	2	5	1/2	1 1/2	3/4	5/8	3/8	1 3/8	1 1/4	4	5/8		3 1/2	4 3/8	4	2 1/2	3	3 7/8	1 1/4	1/4	4 3/4	1.5
2M	18	24	1 1/8	3/8	1/2	3	6	3/4	2	7/8	5/8	1/2	1 7/8	2	5	3/4		4 5/8	6 1/2	5 3/8	3	4 1/2	5 7/8	1 1/2	1/4	6 3/8	3.0
3	18	24	1 1/8	3/8	1/2	3	6	3/4	2	7/8	5/8	1/2	1 7/8	2	5	3/4		4 5/8	6 1/2	5 3/8	3	4 1/2	5 7/8	1 1/2	1/4	6 3/8	3.0
4																											
5																											

STANDARD SIGN
R7-8A

WISCONSIN DEPT OF TRANSPORTATION

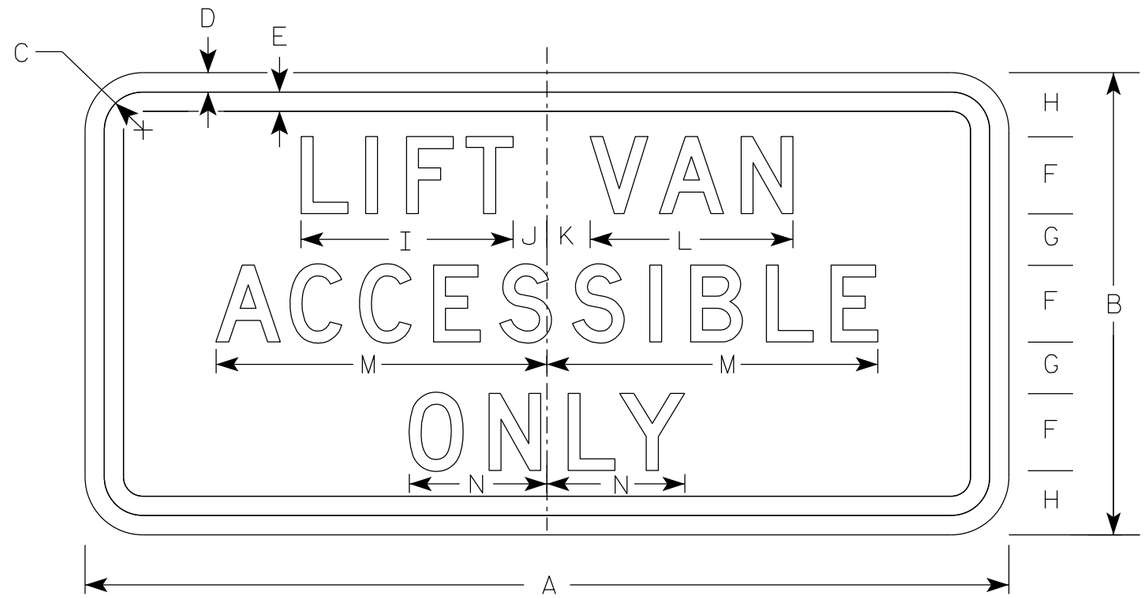
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/25/2011 PLATE NO. R7-8A.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 458 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Green
3. Message Series - D



R7-8V

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	6	1 1/8	3/8	3/8	1	1/2	1	2 3/4	1/2	1/2	2 5/8	4 1/4	1 3/4													0.50
2M	18	9	1 1/8	3/8	3/8	1 1/2	1	1 1/4	4 1/8	5/8	7/8	4	6 1/2	2 5/8													1.125
3	18	9	1 1/8	3/8	3/8	1 1/2	1	1 1/4	4 1/8	5/8	7/8	4	6 1/2	2 5/8													1.125
4																											
5																											

STANDARD SIGN
R7-8V

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2022 PLATE NO. R7-8V.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 459 E

R8-8

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 1/4	9 5/8	6 5/8	3 5/8	10														5.0
2M	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 1/4	9 5/8	6 5/8	3 5/8	10														5.0
3	36	48	1 3/8	1/2	5/8	6	6	4	13 7/8	14 3/8	9 7/8	5 3/8	15														12.0
4	48	60	2 1/4	3/4	1	8	7 1/4	4 1/2	18 1/2	19 1/4	13 1/4	7 1/4	20														20.0
5																											

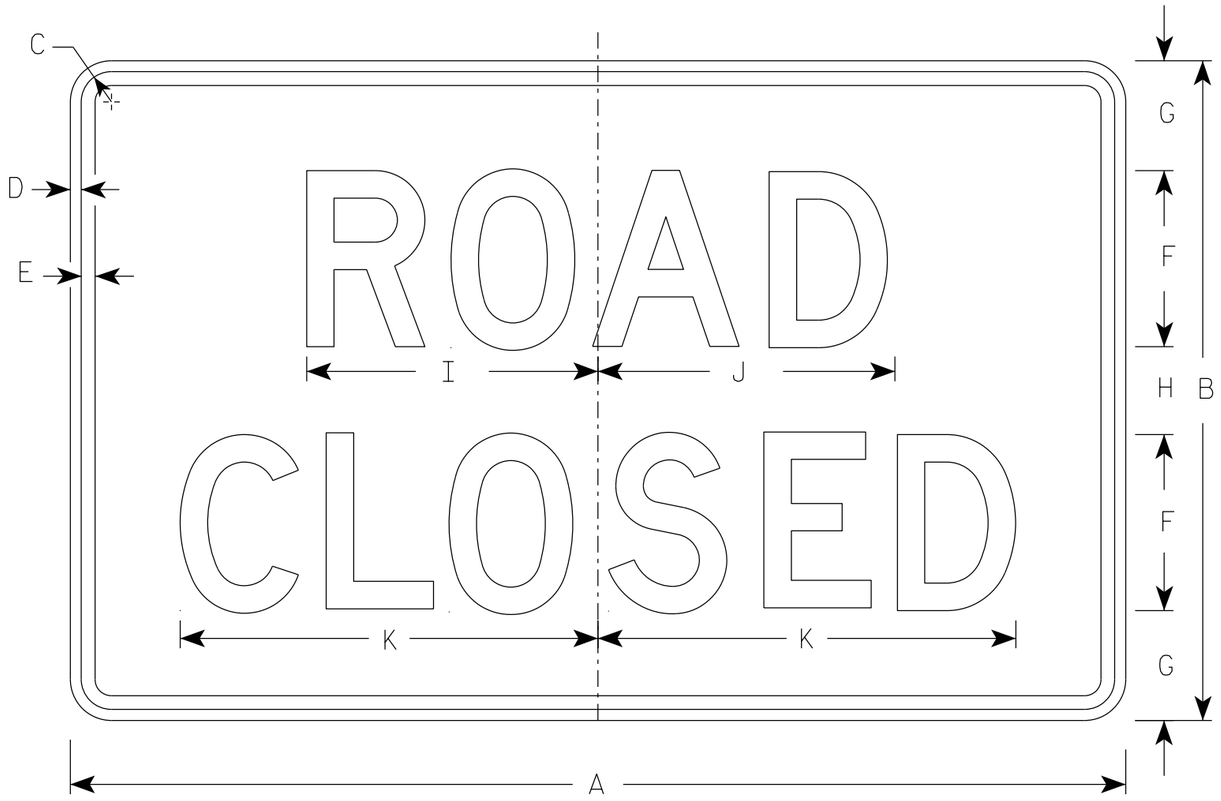
STANDARD SIGN
R8-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/31/2011 PLATE NO. R8-8.4

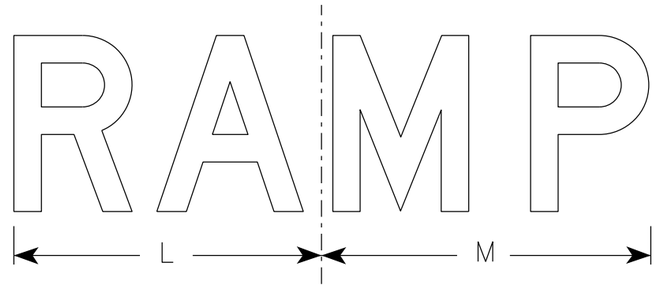
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 460	E



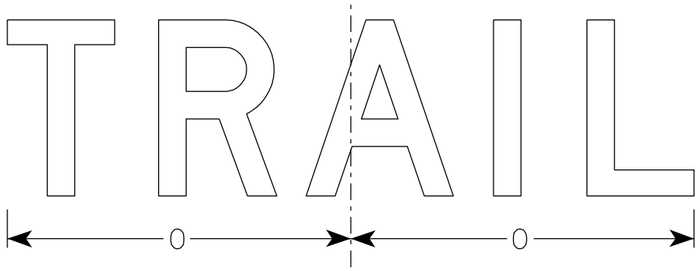
R11-2

NOTES

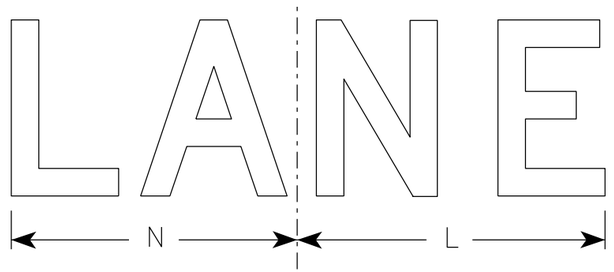
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

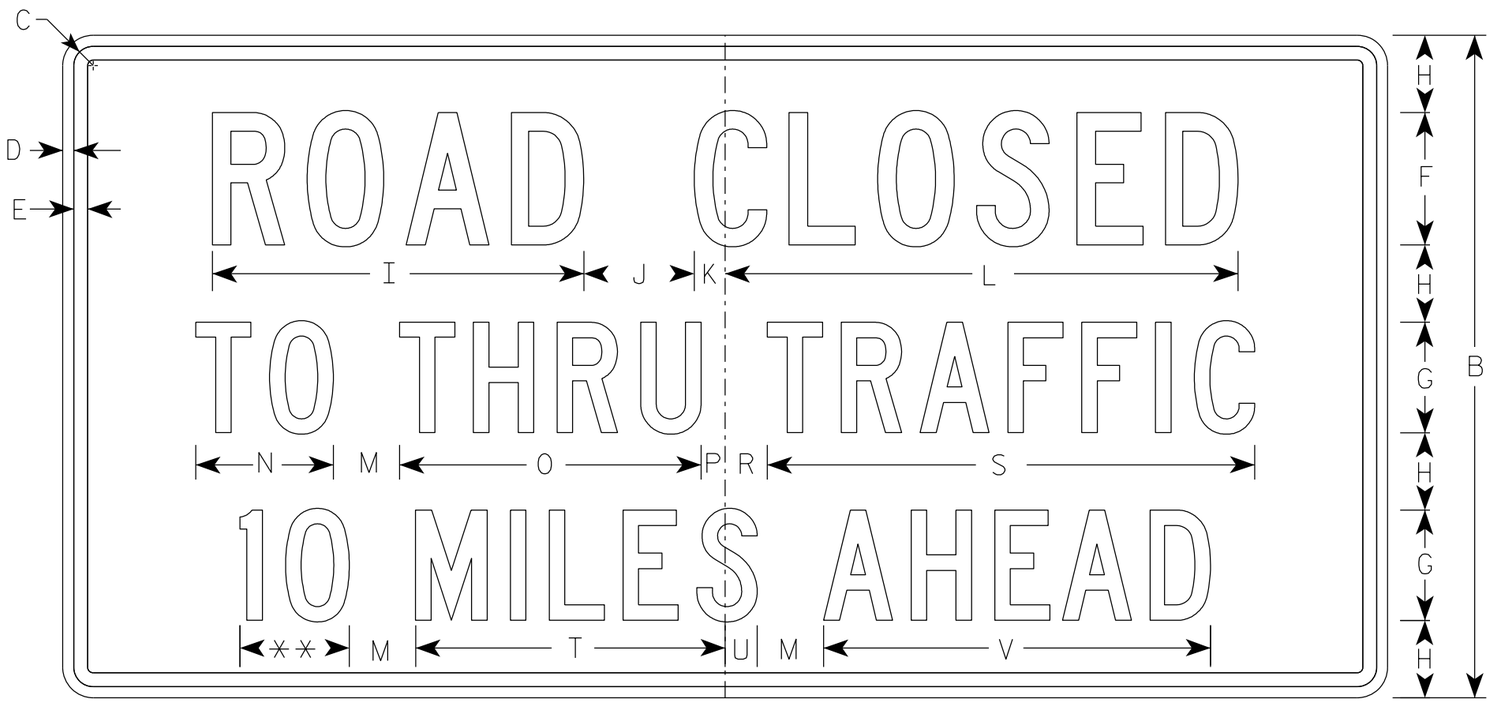
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 29-MAR 2021 8:15 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

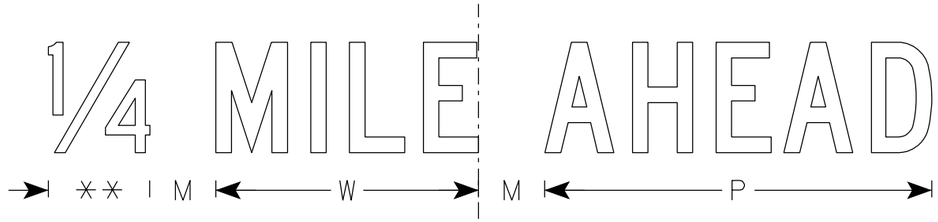
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



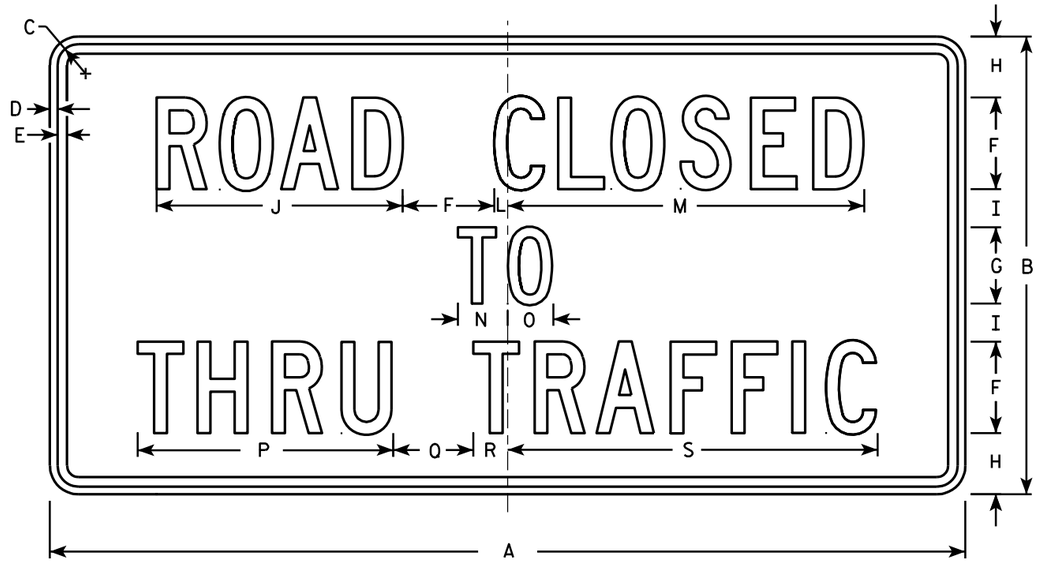
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/4	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 6/14/2021 PLATE NO. R11-3.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 462	E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

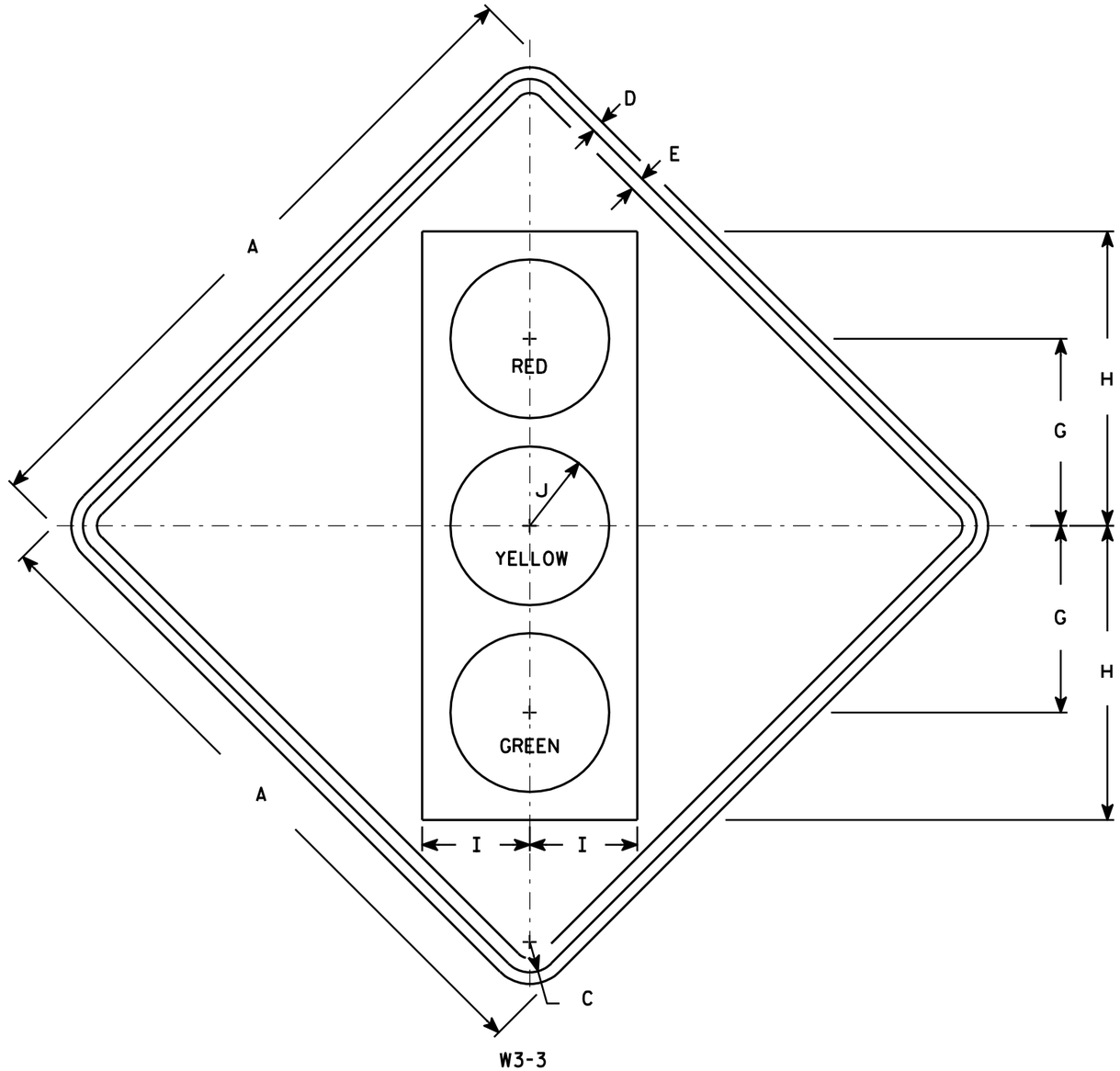
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 463 | 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 - Yellow
   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. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

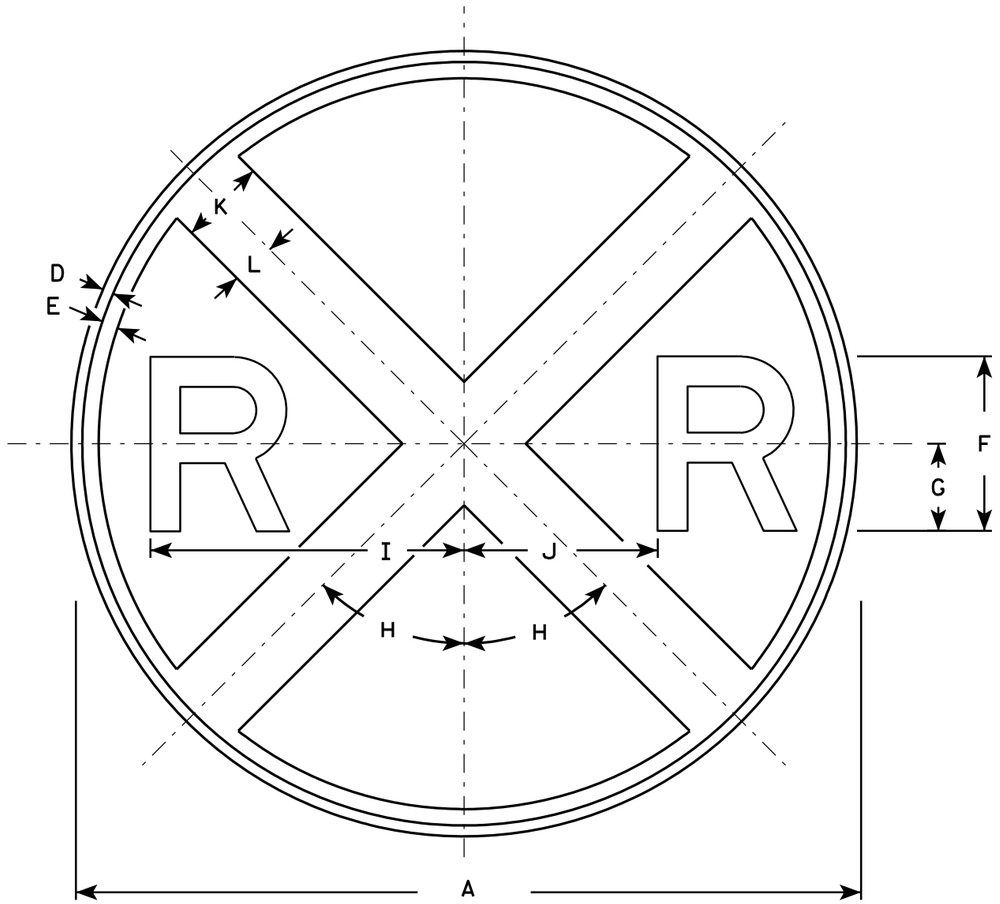
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 464 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN PLOT DATE : 07-JUN-2010 13:07 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 7.448805:1.000000

WISDOT/CADDS SHEET 42

7

7



W10-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

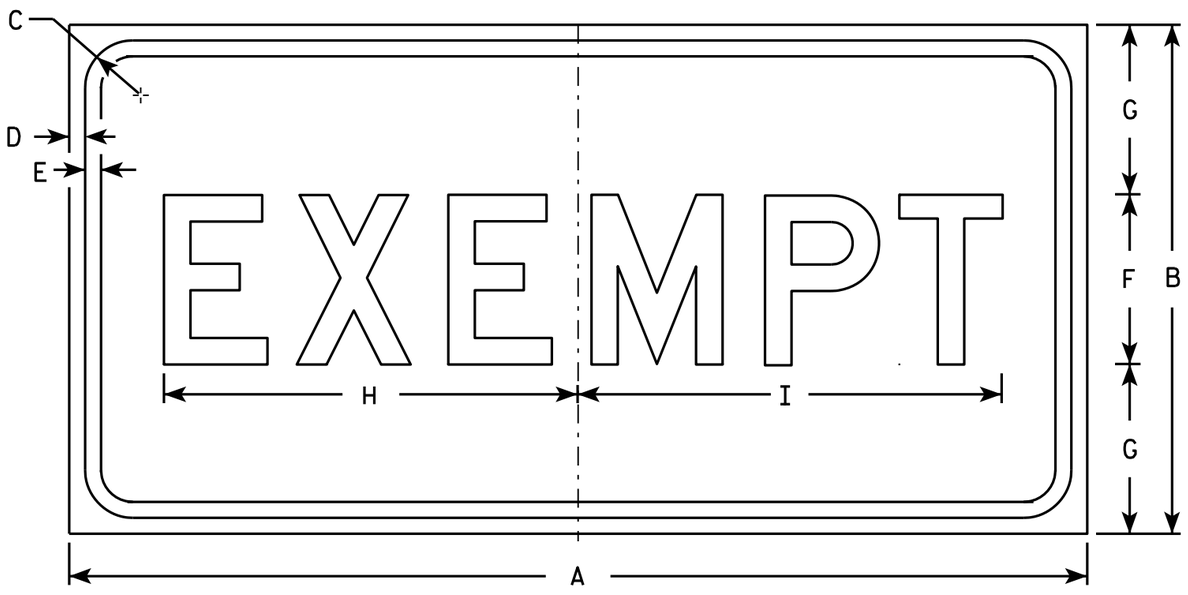
STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/13/13 PLATE NO. W10-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 465	E



R15-3
and
W10-1A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See Note 5
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Background - R15-3 is White Type H Reflective
   W10-1A is Yellow.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	4	4	9 3/4	10																		2
2M	24	12	1 1/8	3/8	3/8	4	4	9 3/4	10																		2
3																											
4																											
5																											

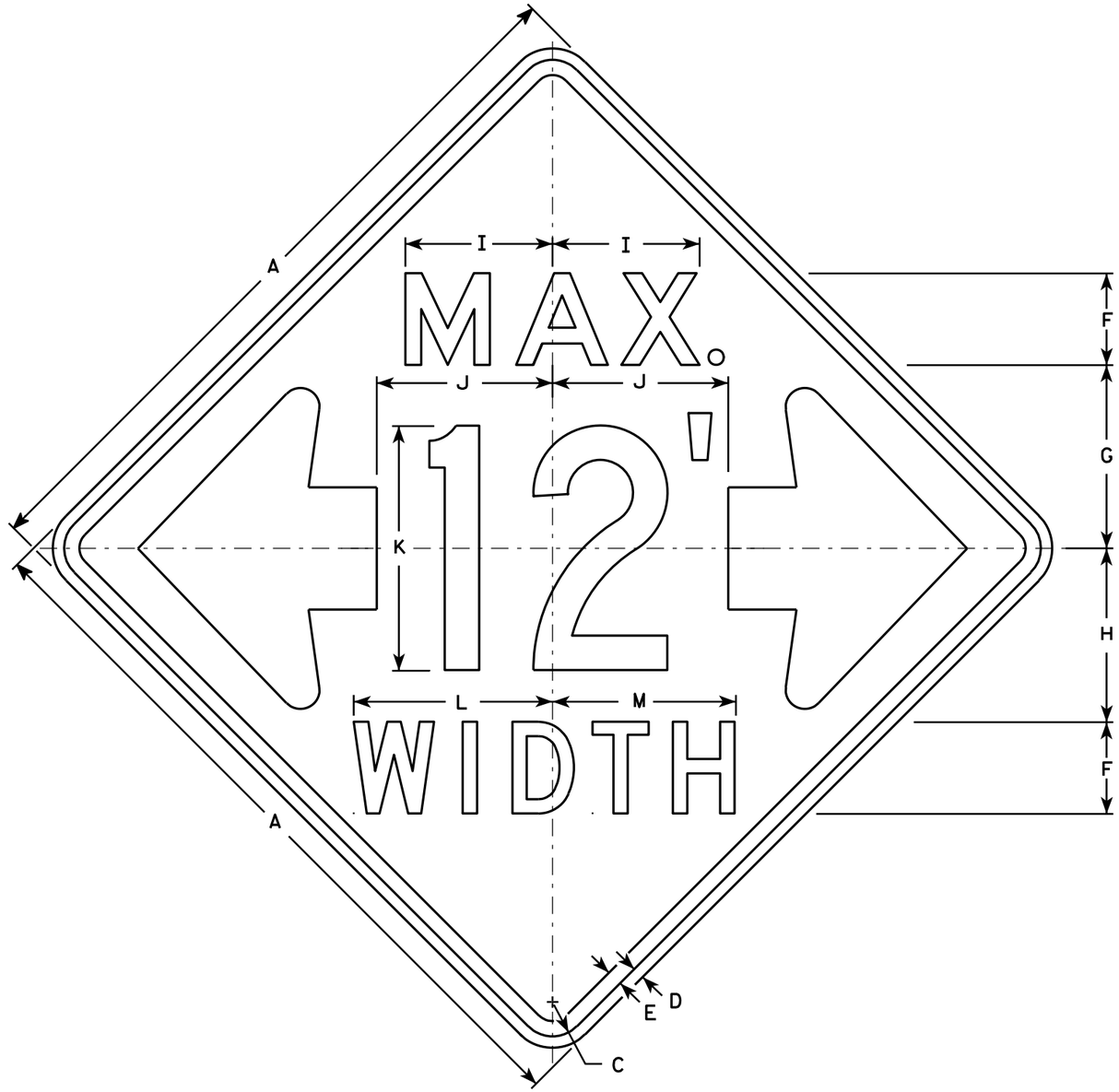
STANDARD SIGN
R15-3 & W10-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. R15-3.7

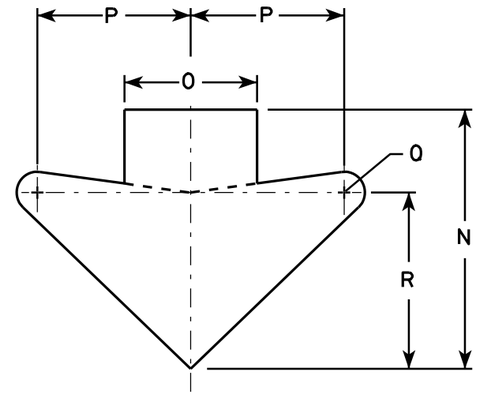
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 466 | E



W12-52

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. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.



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	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
3																											
4																											
5																											

STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

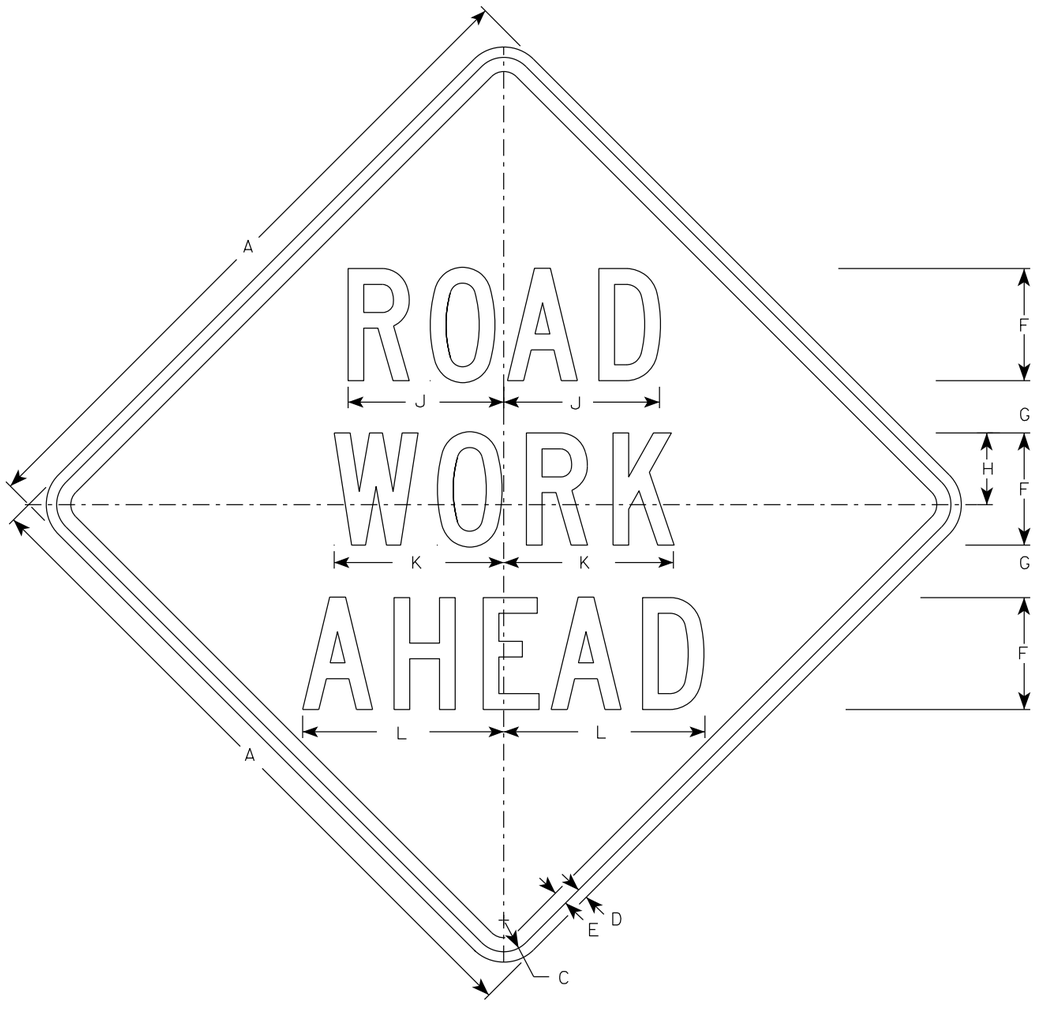
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

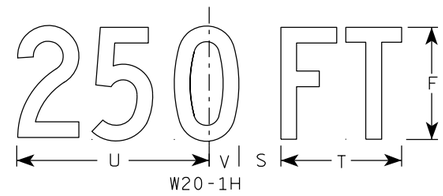
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 467 | E

7

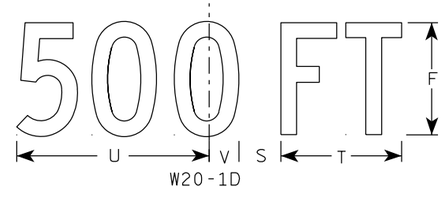
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000
WISDOT/CADDS SHEET 42



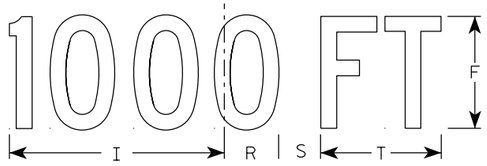
W20-1A



W20-1H



W20-1D

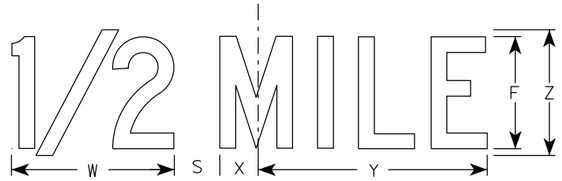


W20-1C

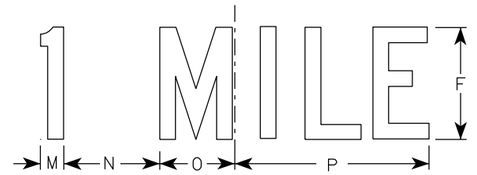
W20-1B

NOTES

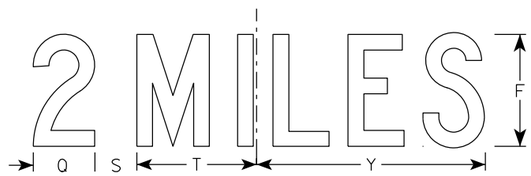
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

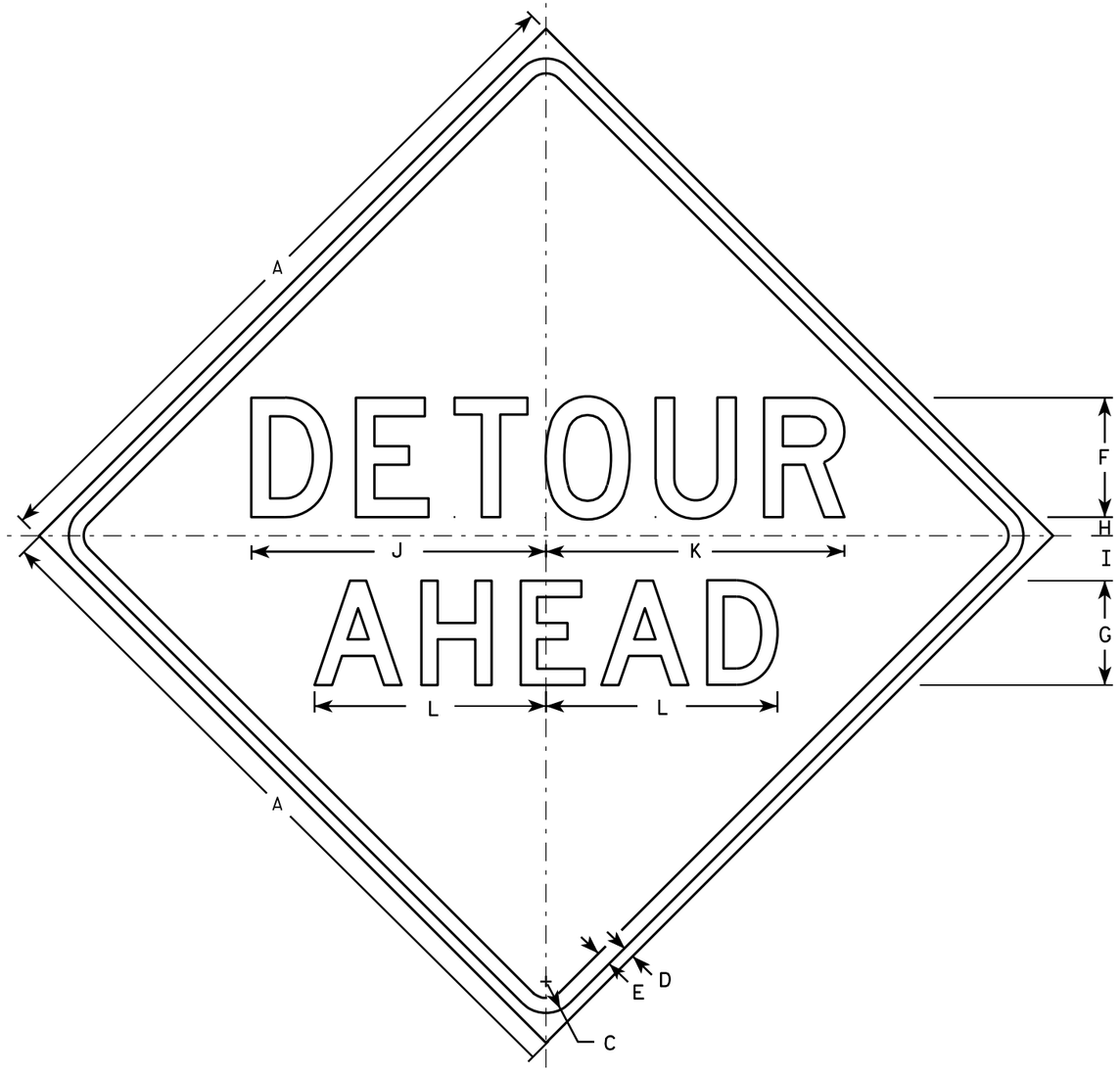
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

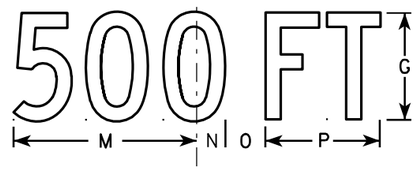
WISDOT/CADDS SHEET 42

7

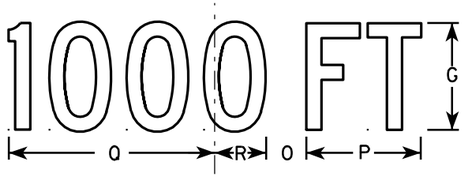
7



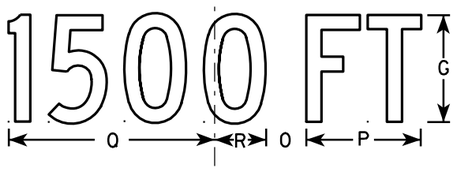
W20-2A



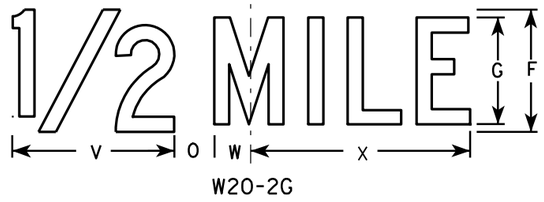
W20-2D



W20-2C



W20-2B



W20-2G

W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

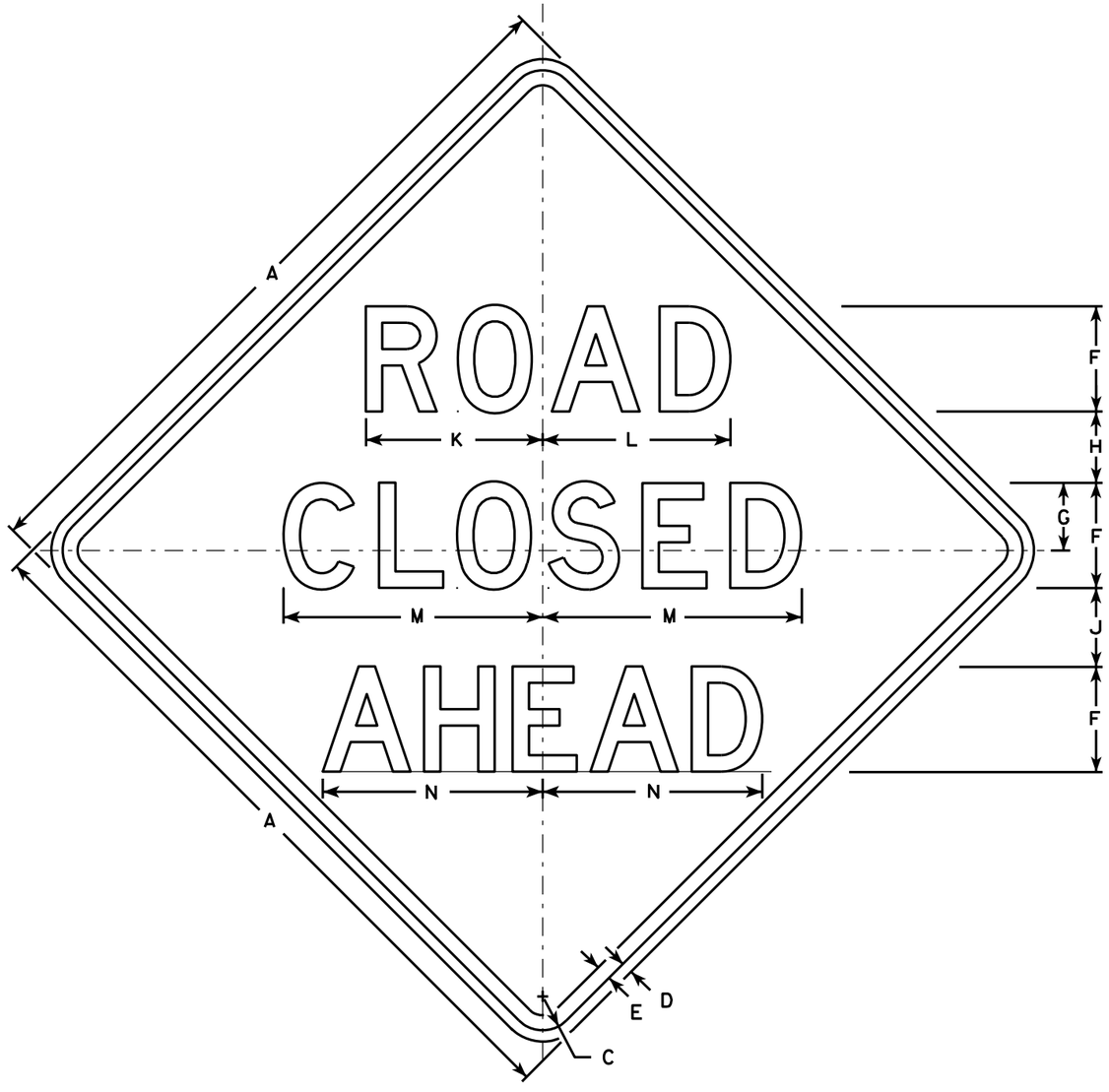
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

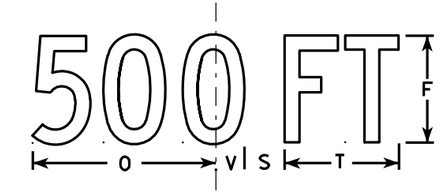
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

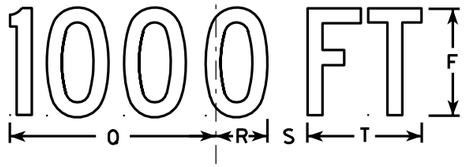
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 469	E



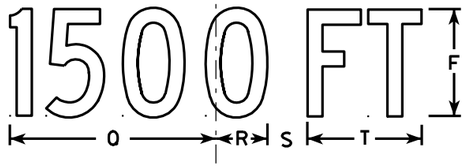
W20-3A



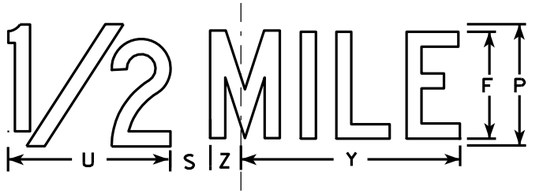
W20-3D



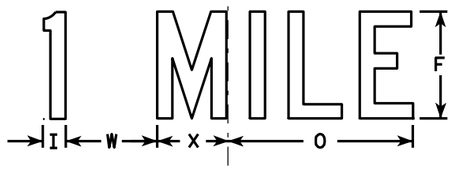
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 470 | E

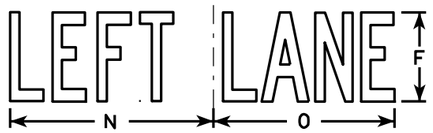
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000

WISDOT/CADDS SHEET 42

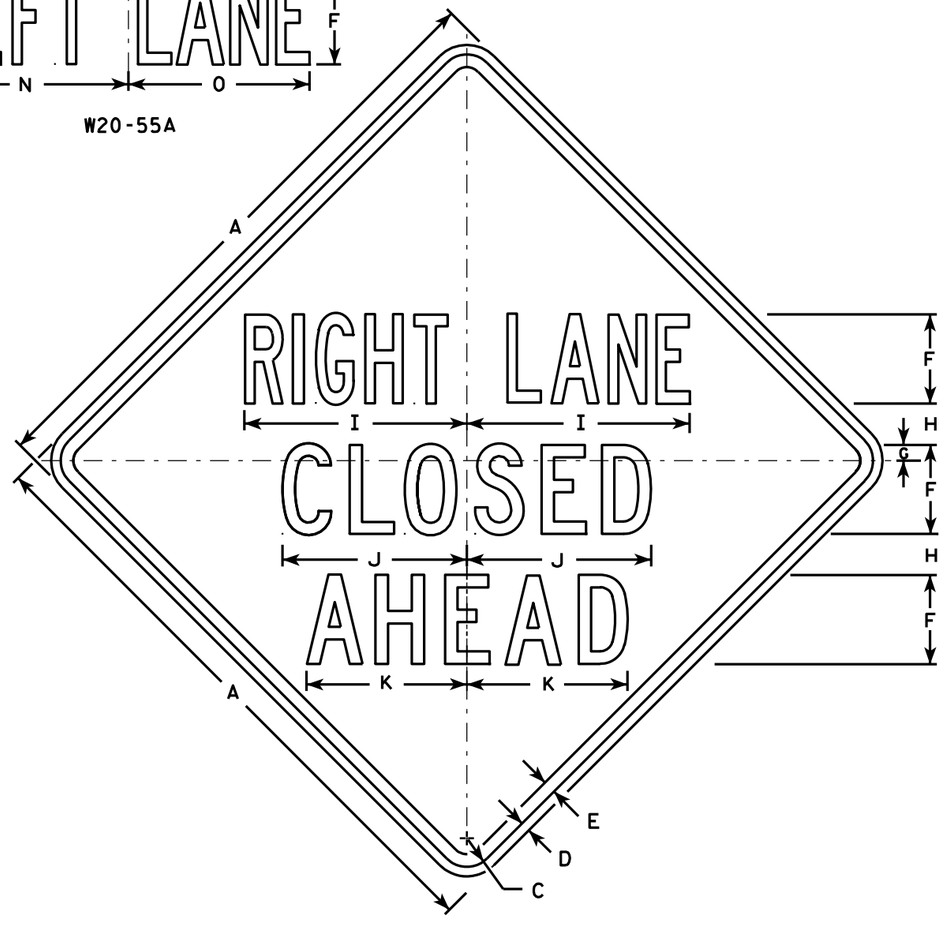
7

7

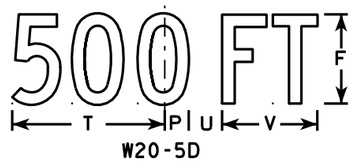
W20-56A



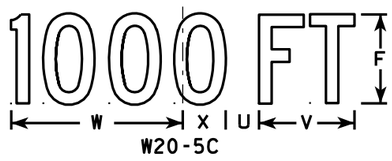
W20-55A



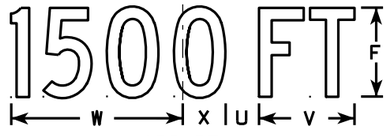
W20-5A



W20-5D



W20-5C



W20-5B

W20-5G

W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

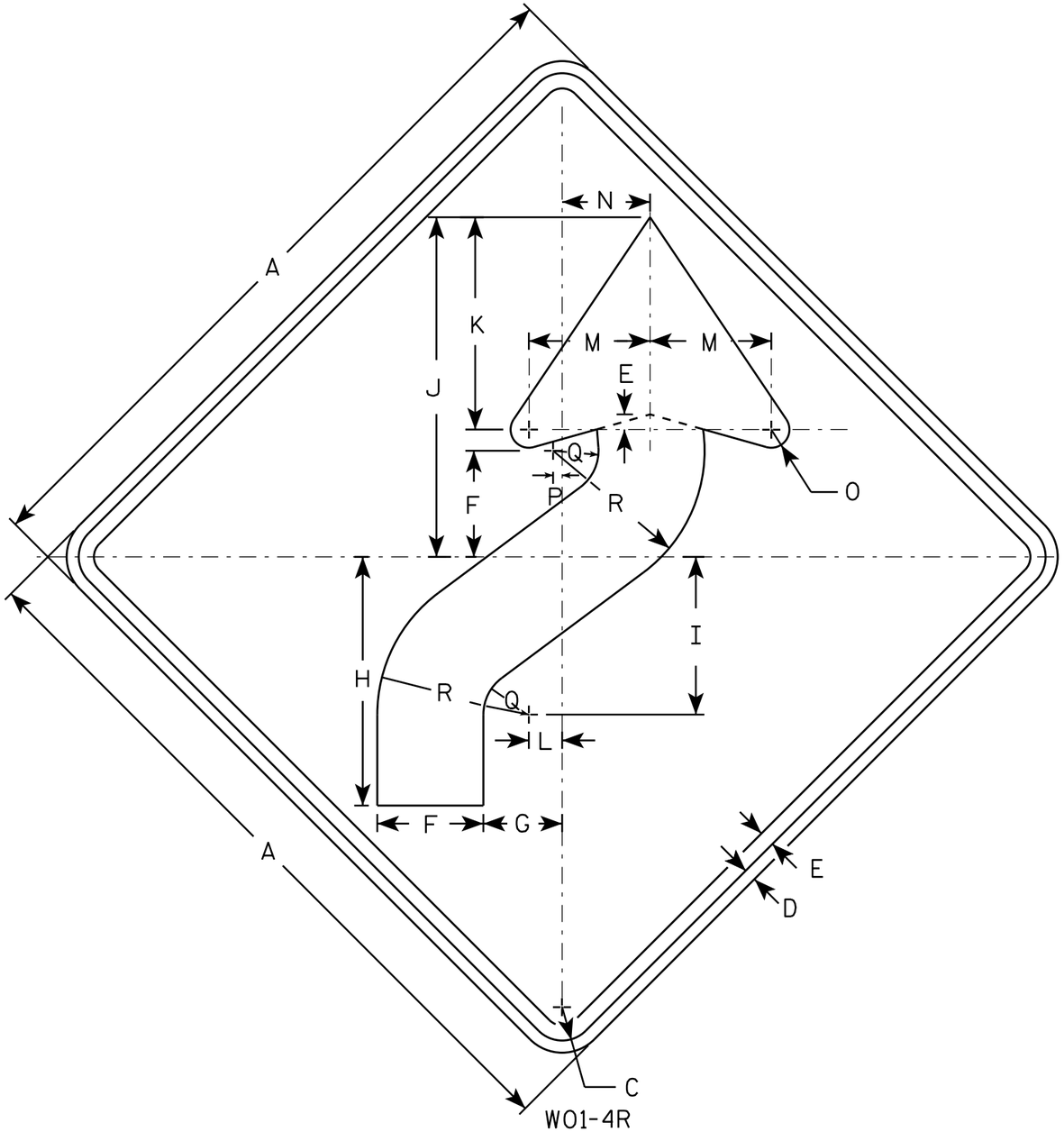
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 471	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



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

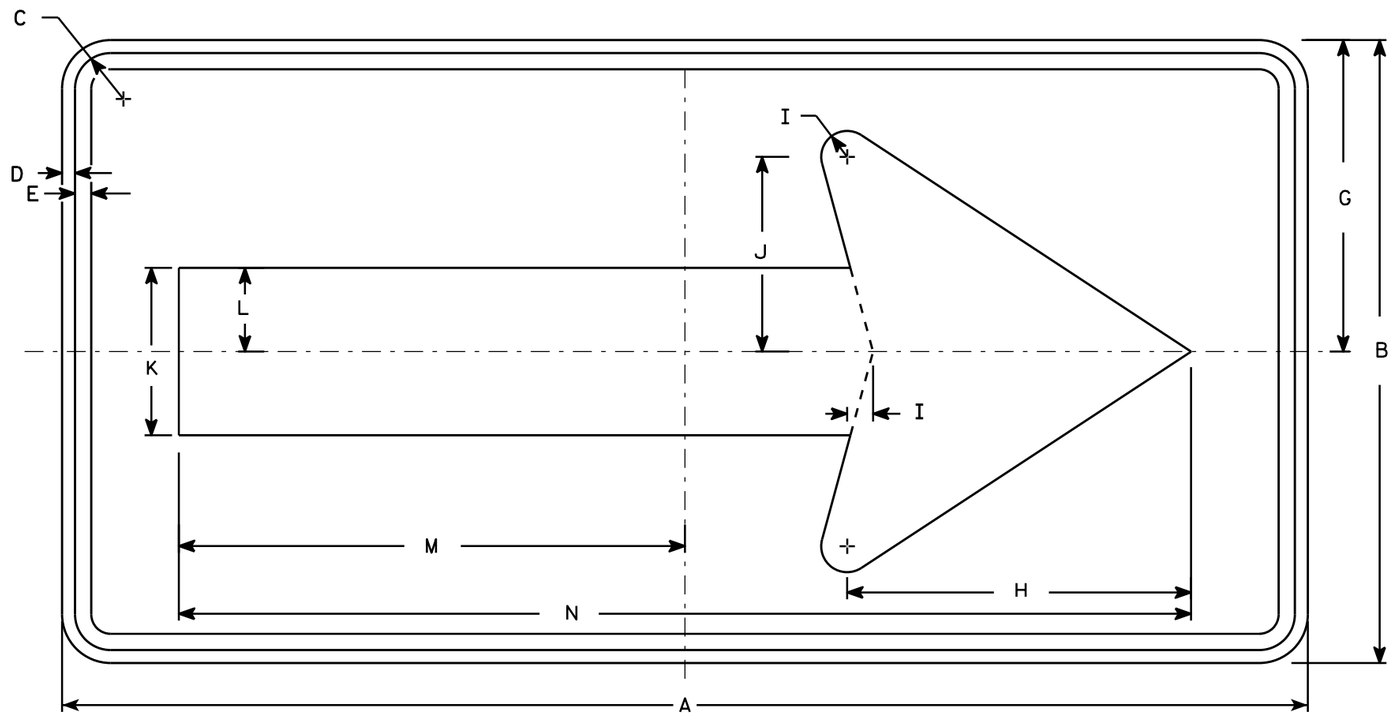
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000 WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

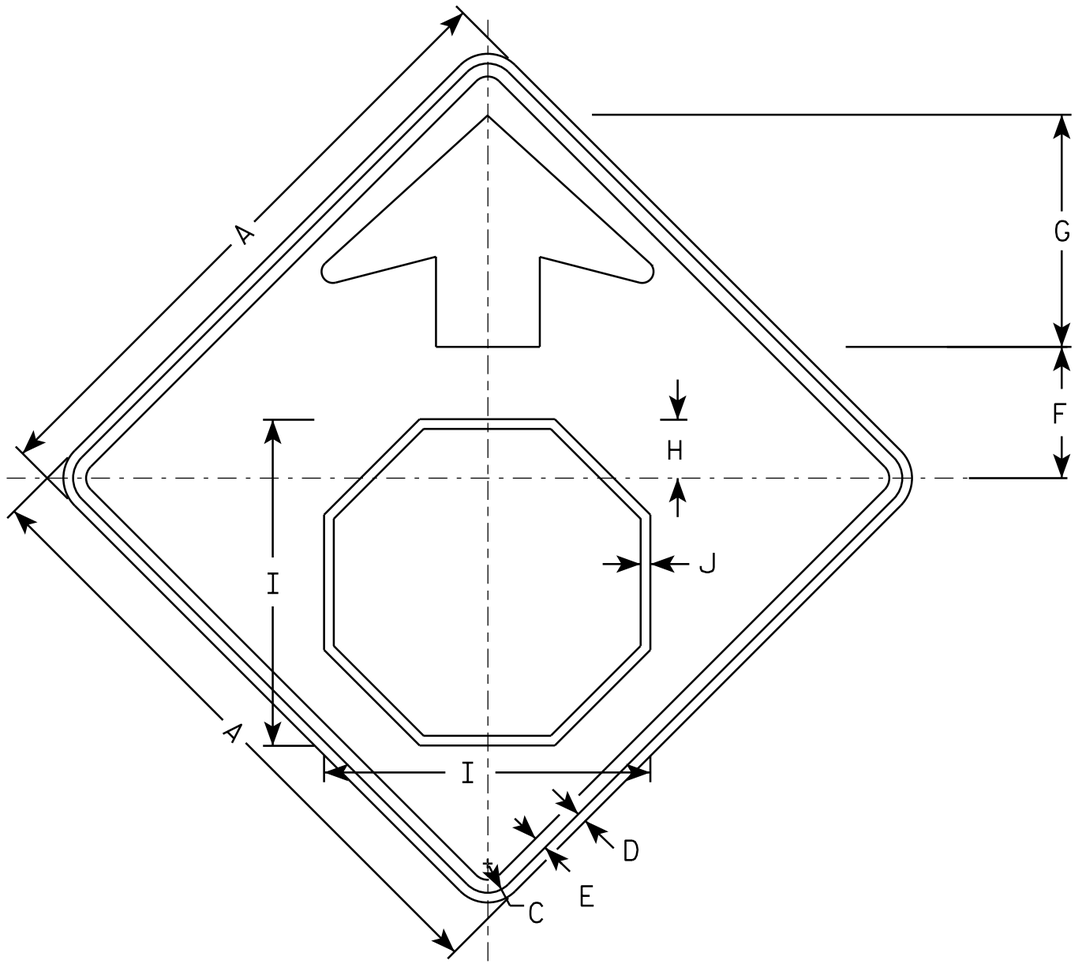
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE W01-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

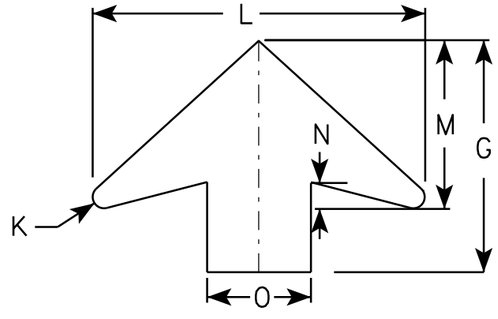
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W03-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2S	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
2M	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
3	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W03-1

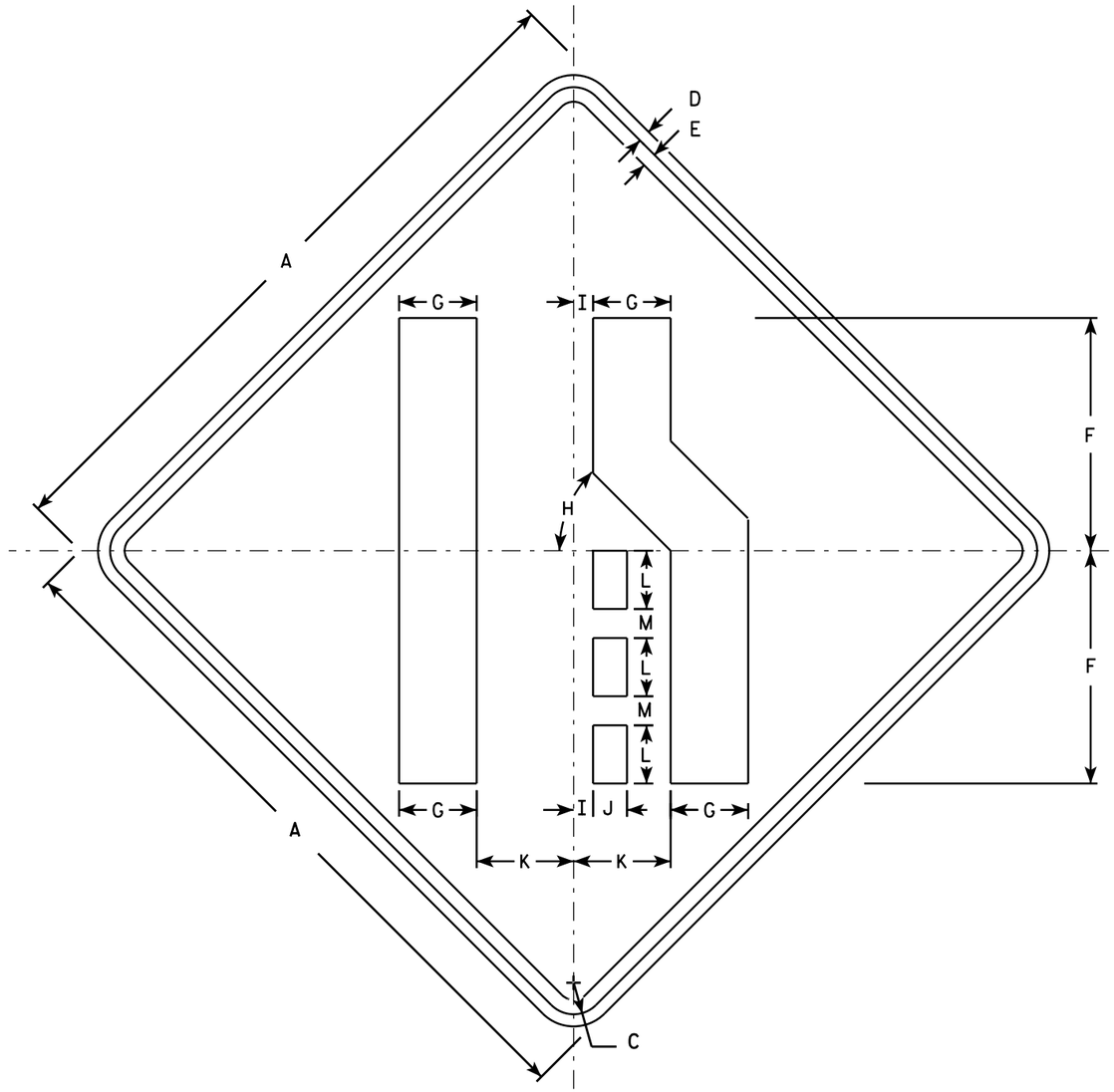
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 474 03-1.1

PROJECT NO: | SHEET NO: E

7 7



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

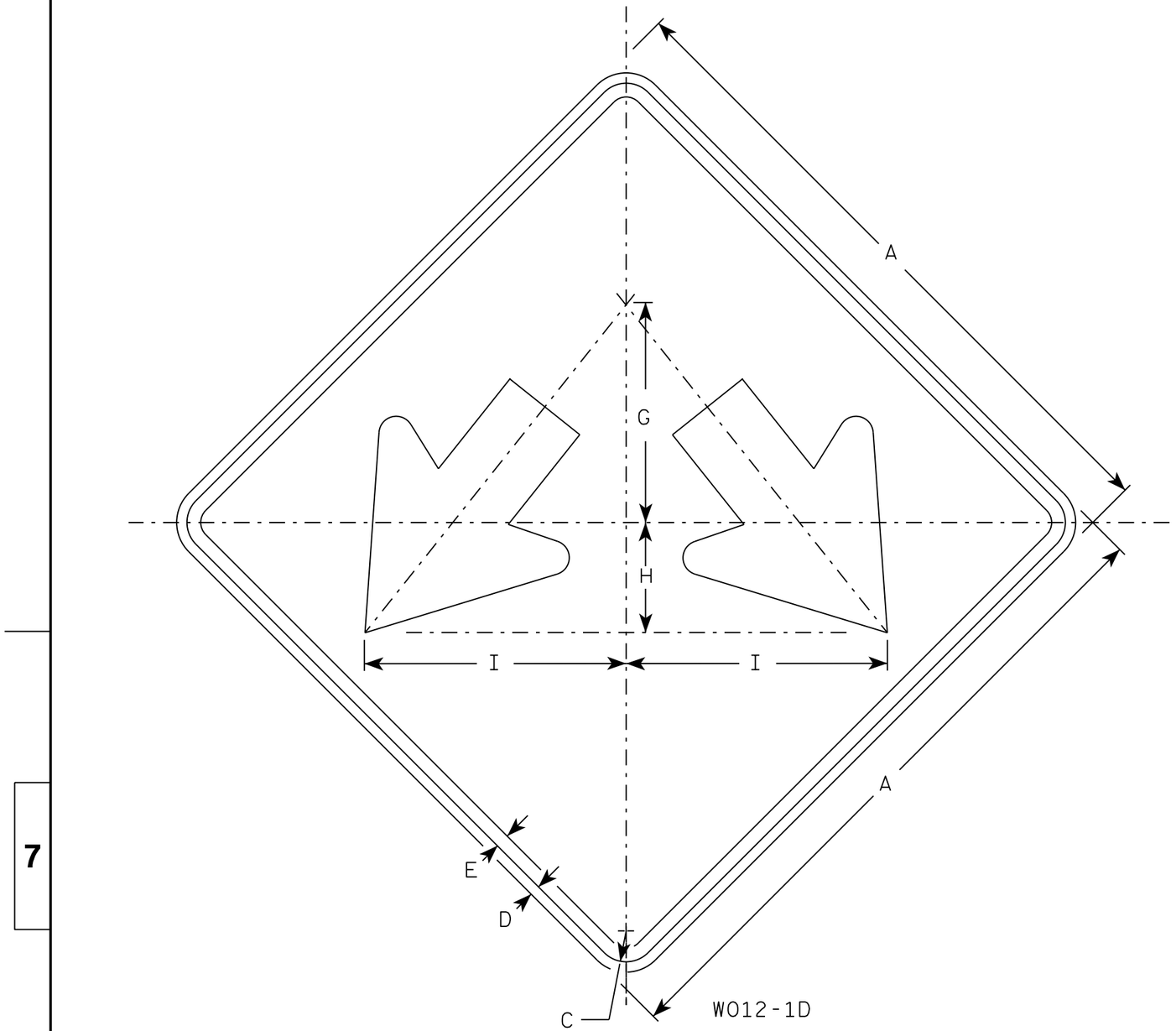
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 475 W04-2.1

PROJECT NO:

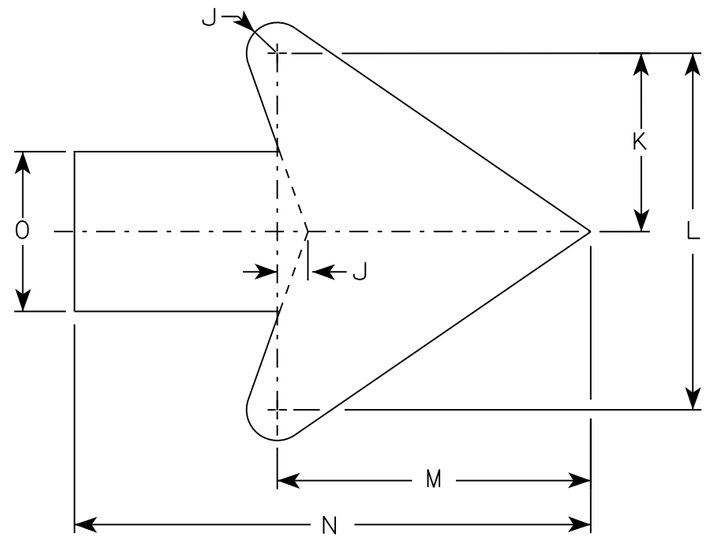
SHEET NO: E



W012-1D

NOTES

1. Sign is Type II - Type F Reflective
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.



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	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0

STANDARD SIGN
W012-1D

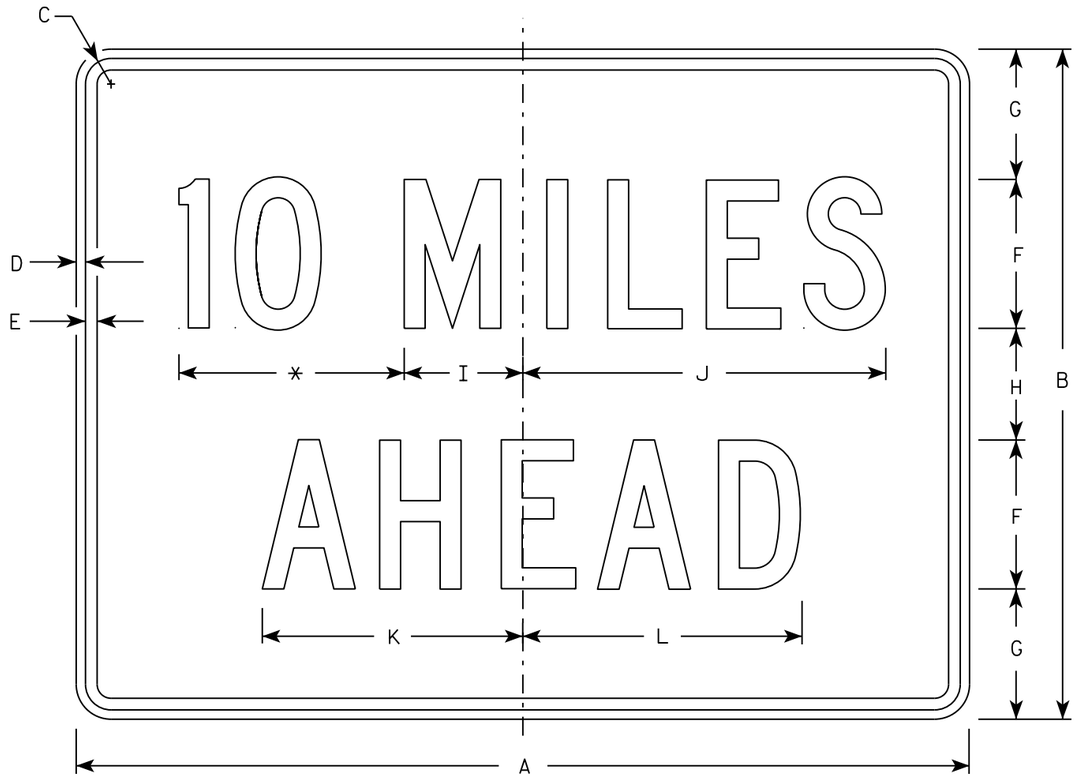
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

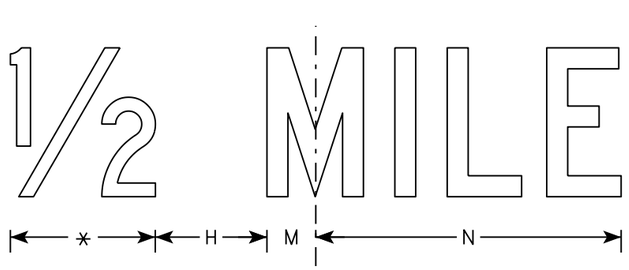
DATE 7/28/16 PLATE NO W012-1D.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CADfiles\Projects\tr_stdplate\W0121D.DGN PLOT DATE : 11-AUG-2016 11:28 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.621375:1.000000



W057-52



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

* See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
2M	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

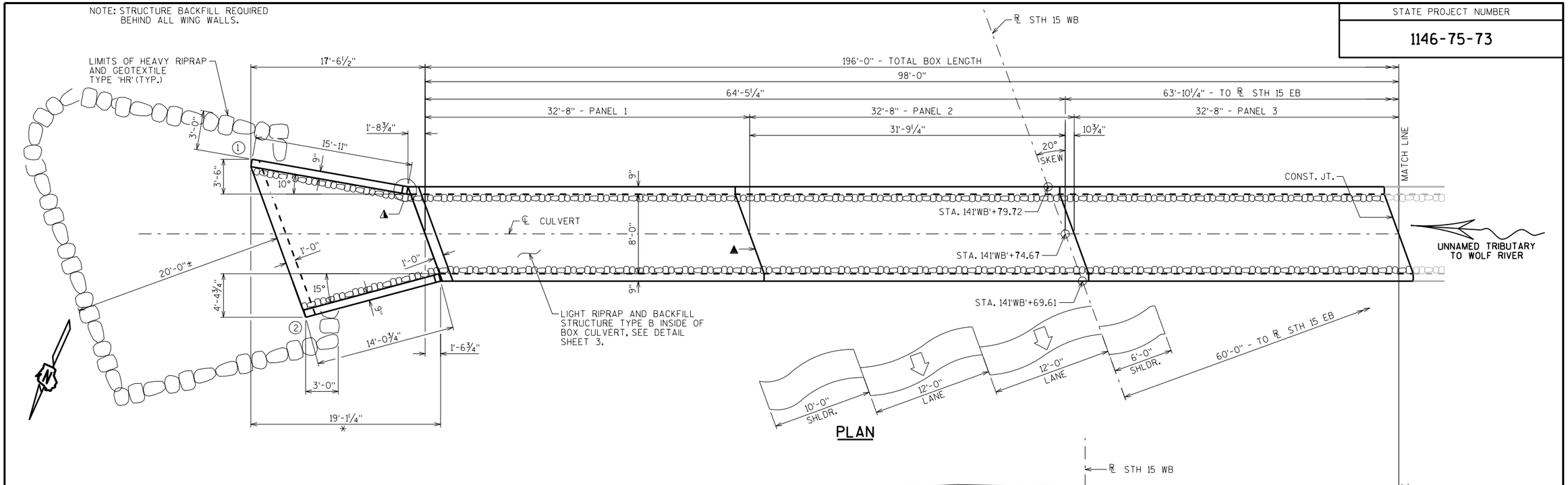
DATE 3/21/17 PLATE NO. W057-52.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 477	E

STATE PROJECT NUMBER

1146-75-73

NOTE: STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS.



STRUCTURE DESIGN CONTACTS:

EMILY KUEHNE	(608) 266-5089
AARON BONK	(608) 261-0261

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.05
OPERATING RATING FACTOR: RF = 1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 255(KIPS)

EARTH LOAD: DESIGNED FOR A 5.0 FT. - 7.0 FT. OF FILL.

MATERIAL PROPERTIES:
CONCRETE MASONRY ——— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT ——— fy = 60,000 P.S.I.

TRAFFIC VOLUME

STH 15
ADT = 20,000 (2040)
R.D.S. = 60 M.P.H.

HYDRAULIC DATA

100 YEAR FREQUENCY
Q_{100} = 325 C.F.S.
VEL. = 10.94 F.P.S.
$HW._{100}$ = EL. 764.81
DRAINAGE AREA = 2.4 SQ. MI.
ROADWAY OVERTOPPING = N/A

2 YEAR FREQUENCY
Q_2 = 55 C.F.S.
$HW._2$ = EL. 759.81

- ◭ CORNER DETAILS (SEE SHT 6)
- ✳ BUILD APRON AND END OF BOX LEVEL
- ▲ VERT. CONST. JOINT (TYP.)
- ◯ INDICATES WING NUMBER
- ⬟ LIGHT RIPRAP, SEE DETAIL SHEET 3

LIST OF DRAWINGS

1. LAYOUT 1
2. LAYOUT 2
3. QUANTITIES & NOTES
4. BOX DETAILS
5. APRON
6. APRON DETAILS
7. SUBSURFACE EXPLORATION

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED DMB 05/01/23
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-44-121

STH 15 OVER UNNAMED TRIBUTARY TO WOLF RIVER

COUNTY	TOWN
OUTAGAMIE	HORTONIA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
EMK	LMK	EMK	JJS

LAYOUT 1

SHEET 1 OF 7

478

I.D. 1146-75-00H

DATE: MARCH 2023

SCALE = 5.00

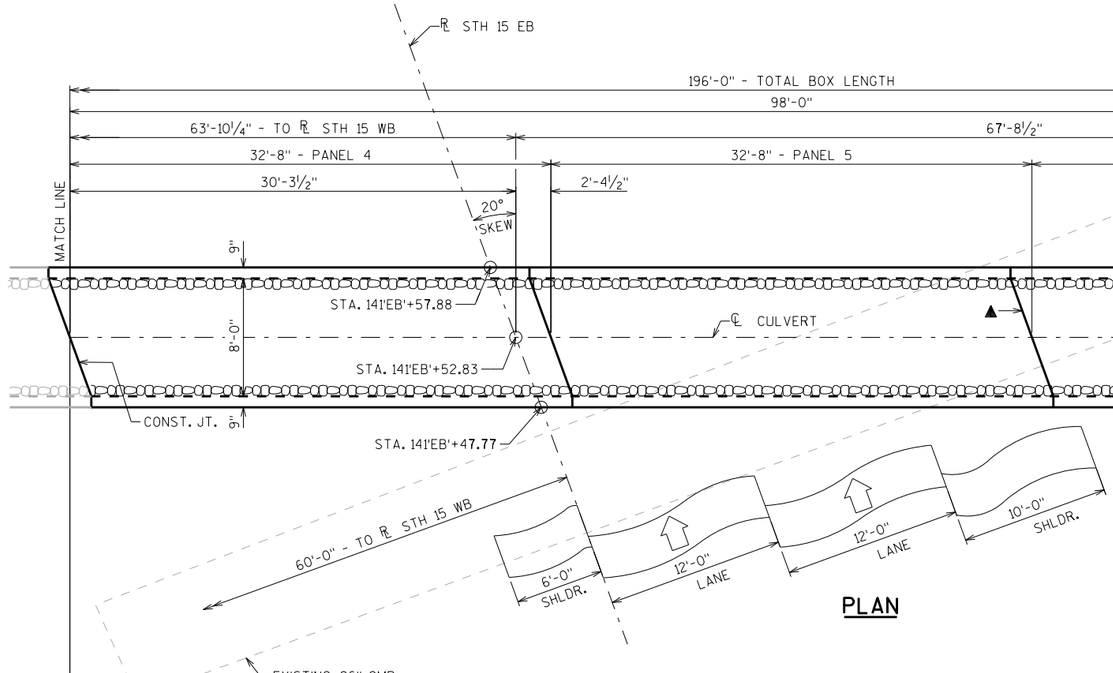
8

8

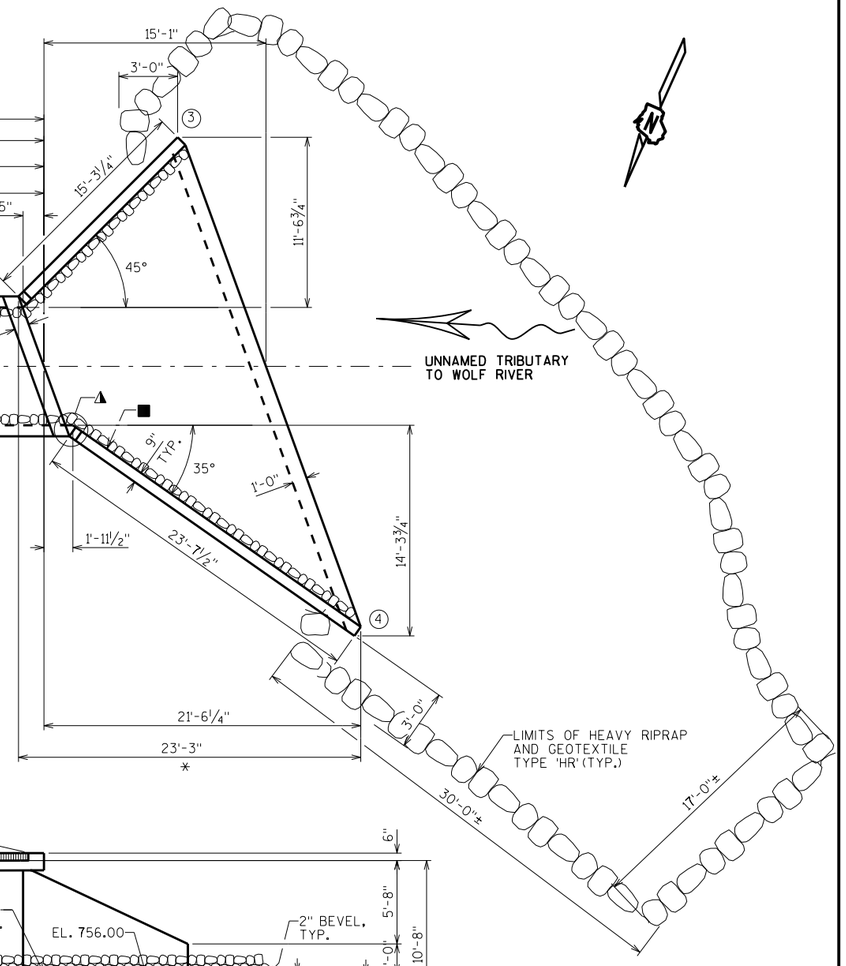
NOTE: STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS.

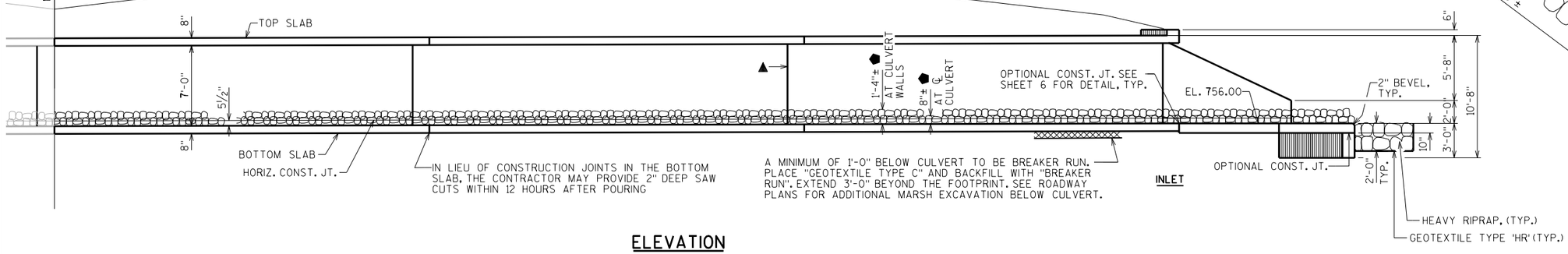
STATE PROJECT NUMBER

1146-75-73



PLAN





ELEVATION

▲ CORNER DETAILS (SEE SHT 6)
* BUILD APRON AND END OF BOX LEVEL
▲ VERT. CONST. JOINT (TYP.)
◯ INDICATES WING NUMBER
■ NAME PLATE LOCATION (SEE SHT 3)
⬟ LIGHT RIPRAP, SEE DETAIL SHEET 3

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-44-121

DRAWN BY EMK | PLANS CK'D. JJS

LAYOUT 2

SHEET 2

479

SCALE = 5.00

8

8

STATE PROJECT NUMBER

1146-75-73

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-44-121" SHALL BE THE EXISTING GROUNDLINE.

ALL VOLUME WHICH CANNOT BE PLACED BEFORE CULVERT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL WITHIN THE LENGTH OF THE CULVERT INCLUDING THE APRON WING WALLS.

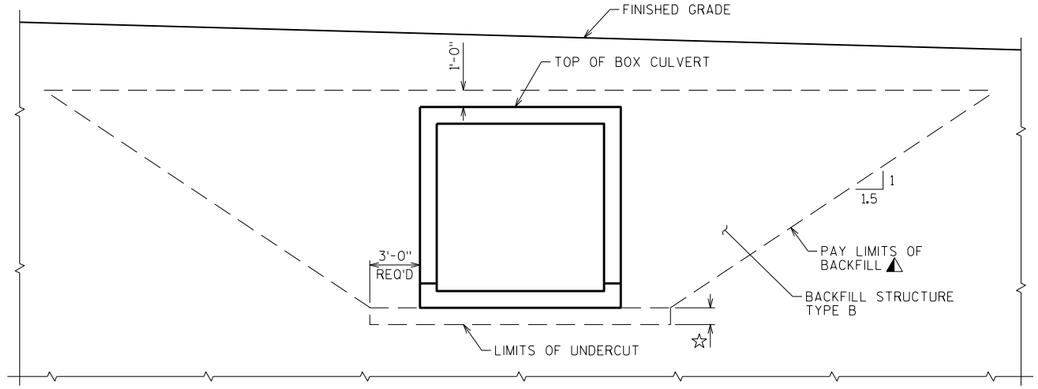
THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

PLACE 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".

ALL PRECAST BOX SECTIONS SHALL BE PLACED ON A BEDDING OF "STRUCTURE BACKFILL TYPE B" OF 6" MINIMUM DEPTH.



TYPICAL SECTION THRU BOX CULVERT

◭ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

☆ UNDER CUT 1'-0". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".

IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMINE IF "OTHER GRANULAR MATERIAL" IS ACCEPTABLE.

TOTAL ESTIMATED QUANTITIES

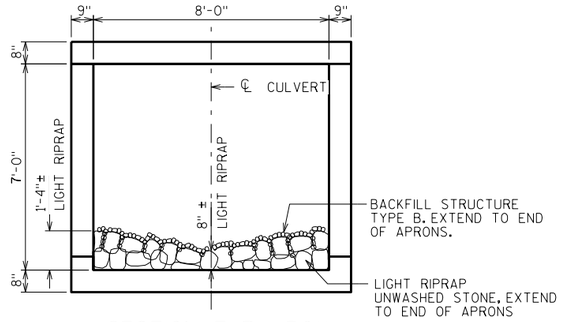
BID ITEMS

203.0220	REMOVING STRUCTURE 96" CMP	1	EACH
206.2001	EXCAVATION FOR STRUCTURES CULVERTS C-44-121	1	EACH
210.2500	BACKFILL STRUCTURE TYPE B	3,053	TON
311.0115	BREAKER RUN	150	CY
504.0100	CONCRETE MASONRY CULVERTS	201	CY
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	33,160	LB
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	1,910	LB
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	100	SY
◪ 606.0100	RIPRAP LIGHT	75	CY
606.0300	RIPRAP HEAVY	129	CY
645.0105	GEOTEXTILE TYPE C	465	SY
645.0120	GEOTEXTILE TYPE HR	204	SY
SPV.0180.01	STREAMBED PLACEMENT INSIDE CULVERT	227	SY

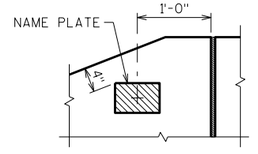
NON-BID ITEMS

FILLER	3/4"	SIZE

◪ LIGHT RIPRAP PLACED INSIDE BOX CULVERT AND BOTH APRONS TO BE UNWASHED STONE



SECTION THRU BOX STREAMBED PLACEMENT INSIDE CULVERT



NAME PLATE LOCATION WING 4

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-44-121

DRAWN BY EMK | PLANS CK'D. JJS

QUANTITIES & NOTES

SHEET 3

480

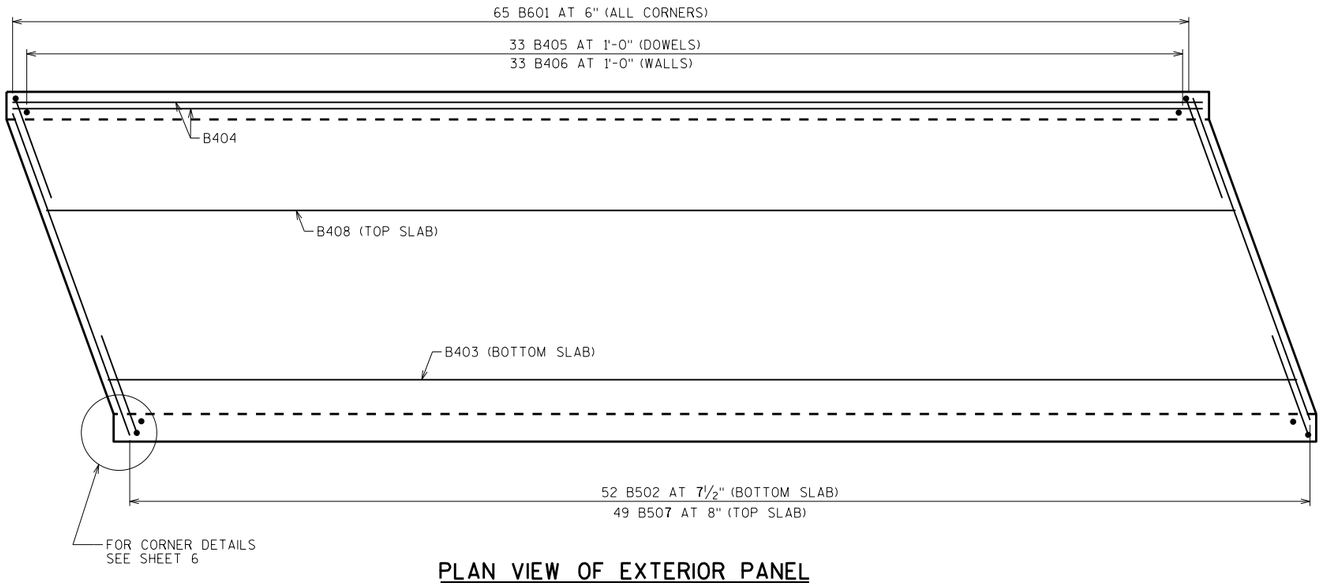
SCALE = 1.00

8

8

STATE PROJECT NUMBER

1146-75-73



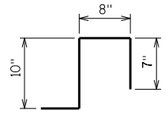
PLAN VIEW OF EXTERIOR PANEL

USE IDENTICAL STEEL IN OTHER PANELS
HEADER BARS & APRON NOT SHOWN FOR CLARITY.

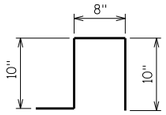
BILL OF BARS

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.

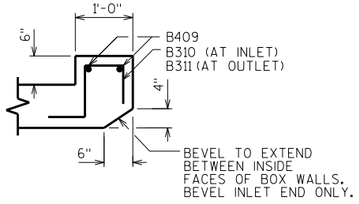
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
B601		1560	7'-9"	5'-0"	CORNERS
B502		312	9'-9"		BOTTOM SLAB - TRANS.
B403		42	32'-3"		BOTTOM SLAB - LONGIT.
B404		132	32'-4"		TOP AND BOTTOM SLAB AND WALL
B405		396	2'-2"		WALLS - DOWELS - VERT.
B406		396	7'-0"		WALLS - VERT.
B507		294	9'-9"		TOP SLAB - TRANS.
B408		42	32'-3"		TOP SLAB - LONGIT.
B409		8	9'-9"		HEADERS - HORIZ.
B310		14	2'-4"	X	HEADER STIRRUPS - VERT. - INLET
B311		14	2'-7"	X	HEADER STIRRUPS - VERT. - OUTLET
B512		180	4'-0"		VERT. CONST. JOINT



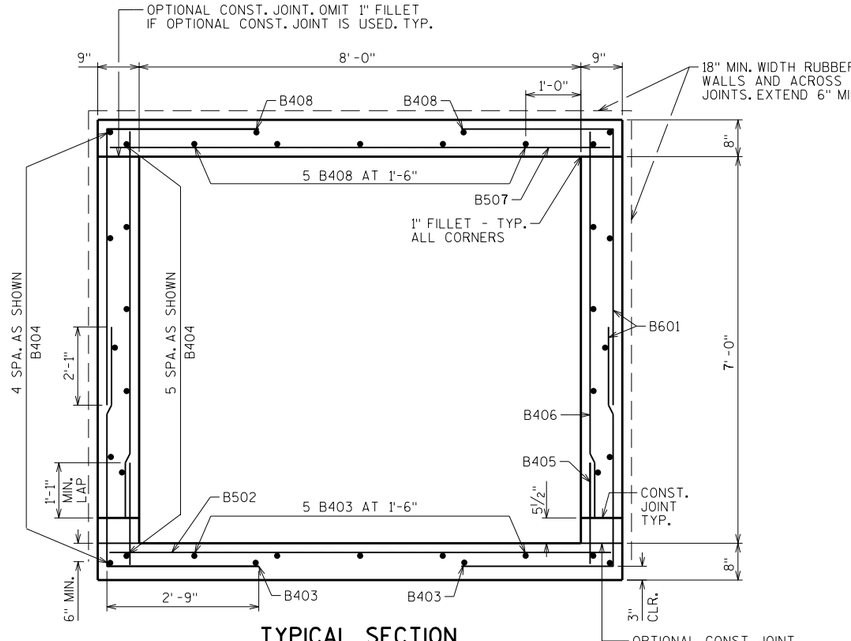
B310



B311

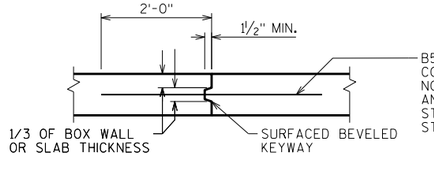


SECTION THRU
TOP HEADER



TYPICAL SECTION THRU BOX

ALL LONGITUDINAL BARS NOT IDENTIFIED
ARE B404 BARS AS SHOWN



VERTICAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-44-121

DRAWN BY EMK | PLANS CK'D. JJS

BOX DETAILS

SHEET 4

481

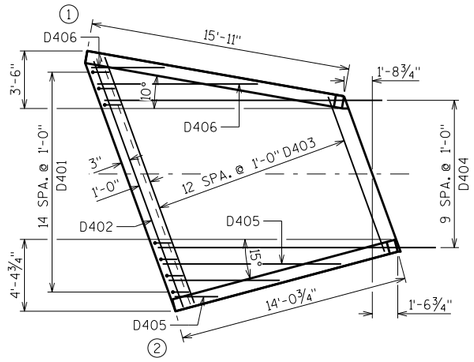
8

8

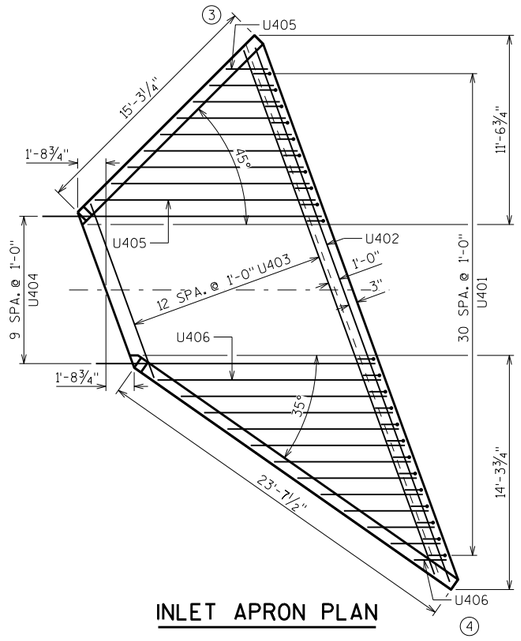
SCALE = 2.00

STATE PROJECT NUMBER

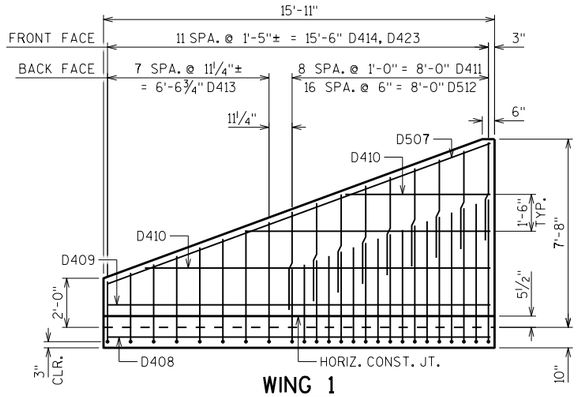
1146-75-73



OUTLET APRON PLAN

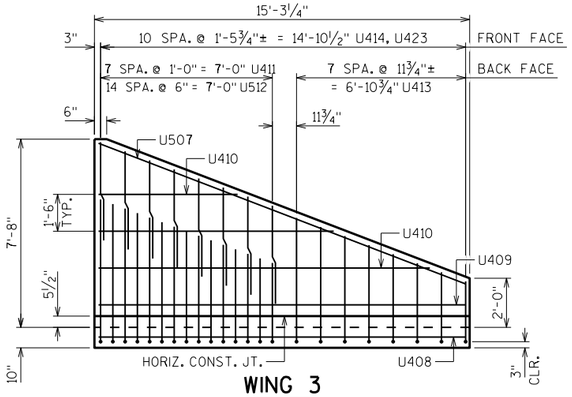


INLET APRON PLAN



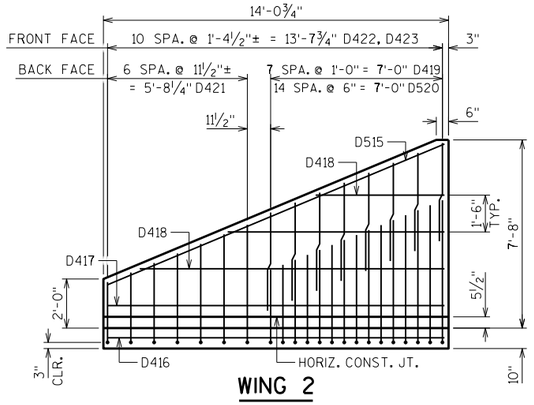
WING 1

SHOWING BACK FACE REINFORCEMENT



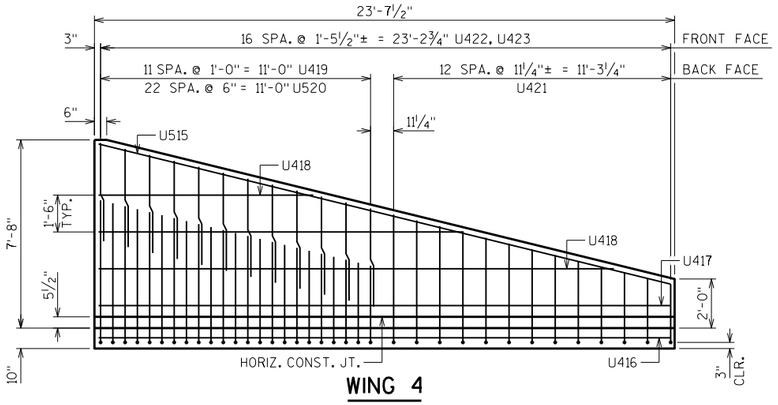
WING 3

SHOWING BACK FACE REINFORCEMENT



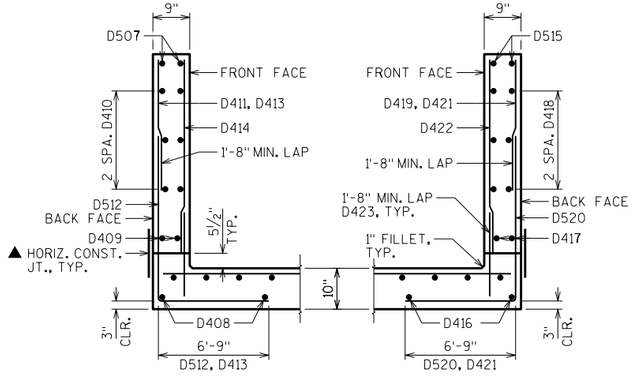
WING 2

SHOWING BACK FACE REINFORCEMENT



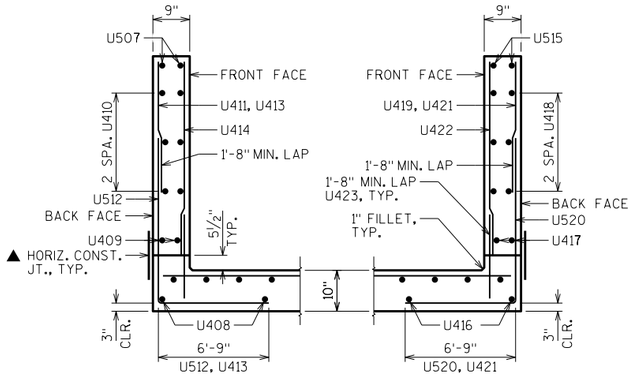
WING 4

SHOWING BACK FACE REINFORCEMENT



WING 1 SECTION

WING 2 SECTION



WING 3 SECTION

WING 4 SECTION

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING, PLACE ALONG HORIZ. CONST. JT. FOR ENTIRE WING LENGTH, TYP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-44-121

DRAWN BY EMK | PLANS CK'D. JJS

APRON

SHEET 5

482

SCALE = 4.50

8

8

STATE PROJECT NUMBER

1146-75-73

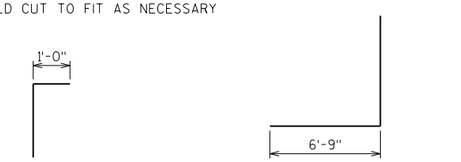
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
D401		15	5'-6"	X		OUTLET APRON AND CUTOFF WALL VERT.
D402		5	16'-0"			OUTLET APRON AND CUTOFF WALL HORIZ.
D403		13	13'-1"		⚠	OUTLET APRON SLAB HORIZ.
D404		10	17'-0"			OUTLET APRON AND BOX SLAB HORIZ.
D405		3	6'-9"		⚠	OUTLET APRON SLAB HORIZ.
D406		2	7'-2"		⚠	OUTLET APRON SLAB HORIZ.
D507	X	2	16'-3"			WING 1 HORIZ. TOP BOTH FACES
D408	X	2	15'-6"			WING 1 HORIZ. APRON SLAB
D409	X	2	15'-6"			WING 1 HORIZ. BOTTOM BOTH FACES
D410	X	6	10'-0"		⚠	WING 1 HORIZ.
D411	X	9	4'-0"			WING 1 VERT. BACK FACE
D512	X	17	11'-6"	X	⚠	WING 1 VERT. BACK FACE
D413	X	8	10'-4"	X	⚠	WING 1 VERT. BACK FACE
D414	X	12	4'-3"		⚠	WING 1 VERT. FRONT FACE
D515	X	2	14'-6"			WING 2 HORIZ. TOP BOTH FACES
D416	X	2	13'-7"			WING 2 HORIZ. APRON SLAB
D417	X	2	13'-7"			WING 2 HORIZ. BOTTOM BOTH FACES
D418	X	6	8'-10"		⚠	WING 2 HORIZ.
D419	X	8	4'-0"			WING 2 VERT. BACK FACE
D520	X	15	11'-0"	X	⚠	WING 2 VERT. BACK FACE
D421	X	7	10'-3"	X	⚠	WING 2 VERT. BACK FACE
D422	X	11	4'-3"		⚠	WING 2 VERT. FRONT FACE
D423	X	23	2'-9"			WINGS 1 & 2 DOWELS FRONT FACE ◐
U401		31	3'-6"	X		INLET APRON AND CUTOFF WALL VERT.
U402		3	34'-9"			INLET APRON AND CUTOFF WALL HORIZ.
U403		13	22'-9"		⚠	INLET APRON SLAB HORIZ.
U404		10	17'-1"			INLET APRON AND BOX SLAB HORIZ.
U405		9	8'-1"		⚠	INLET APRON SLAB HORIZ.
U406		12	7'-10"		⚠	INLET APRON SLAB HORIZ.
U507	X	2	15'-8"			WING 3 HORIZ. TOP BOTH FACES
U408	X	2	14'-10"			WING 3 HORIZ. APRON SLAB
U409	X	2	14'-10"			WING 3 HORIZ. BOTTOM BOTH FACES
U410	X	6	9'-7"		⚠	WING 3 HORIZ.
U411	X	8	4'-0"			WING 3 VERT. BACK FACE
U512	X	15	11'-2"	X	⚠	WING 3 VERT. BACK FACE
U413	X	8	10'-5"	X	⚠	WING 3 VERT. BACK FACE
U414	X	11	4'-3"		⚠	WING 3 VERT. FRONT FACE
U515	X	2	23'-8"			WING 4 HORIZ. TOP BOTH FACES
U416	X	2	23'-2"			WING 4 HORIZ. APRON SLAB
U417	X	2	23'-2"			WING 4 HORIZ. BOTTOM BOTH FACES
U418	X	6	14'-11"		⚠	WING 4 HORIZ.
U419	X	12	4'-0"			WING 4 VERT. BACK FACE
U520	X	23	11'-1"	X	⚠	WING 4 VERT. BACK FACE
U421	X	13	10'-5"	X	⚠	WING 4 VERT. BACK FACE
U422	X	17	4'-3"		⚠	WING 4 VERT. FRONT FACE
U423	X	28	2'-9"			WINGS 3 & 4 DOWELS FRONT FACE ◐

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

◐ FIELD CUT TO FIT AS NECESSARY



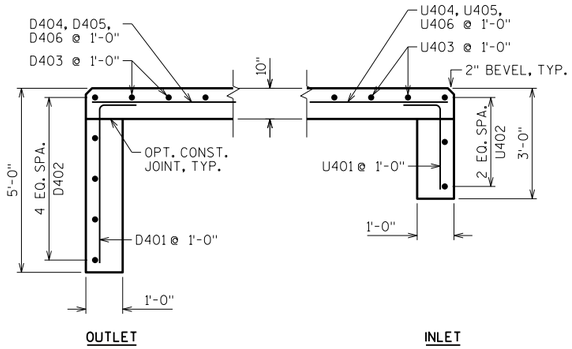
D401, U401

D512, D413, D520, D421, U512, U413, U520, U421

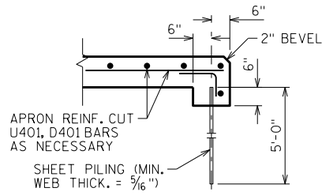
BAR SERIES TABLE

BAR MARK	NO. REQ'D	LENGTH
D403	1 SERIES OF 13	10'-1" TO 16'-0"
D405	1 SERIES OF 3	2'-8" TO 10'-11"
D406	1 SERIES OF 2	4'-6" TO 9'-10"
D410	2 SERIES OF 3	5'-11" TO 14'-1"
D512	1 SERIES OF 17	10'-7" TO 12'-5"
D413	1 SERIES OF 8	9'-1" TO 11'-6"
D414	1 SERIES OF 12	1'-5" TO 7'-0"
D418	2 SERIES OF 3	5'-3" TO 12'-5"
D520	1 SERIES OF 15	9'-7" TO 12'-5"
D421	1 SERIES OF 7	9'-1" TO 11'-5"
D422	1 SERIES OF 11	1'-5" TO 7'-0"
U403	1 SERIES OF 13	11'-4" TO 34'-2"
U405	1 SERIES OF 9	2'-7" TO 13'-6"
U406	1 SERIES OF 12	2'-0" TO 13'-8"
U410	2 SERIES OF 3	5'-8" TO 13'-6"
U512	1 SERIES OF 15	9'-10" TO 12'-5"
U413	1 SERIES OF 8	9'-1" TO 11'-8"
U414	1 SERIES OF 11	1'-5" TO 7'-0"
U418	2 SERIES OF 3	8'-9" TO 21'-0"
U520	1 SERIES OF 23	9'-9" TO 12'-5"
U421	1 SERIES OF 13	9'-0" TO 11'-10"
U422	1 SERIES OF 17	1'-5" TO 7'-0"

BUNDLE AND TAG EACH SERIES SEPARATELY

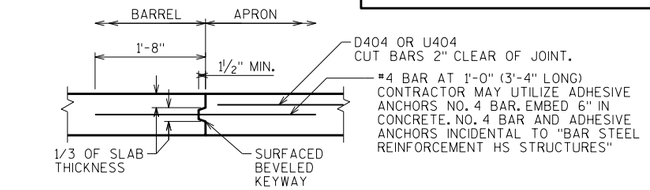


CUT-OFF WALLS



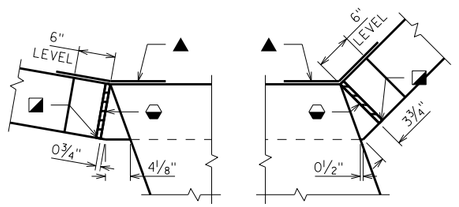
ALTERNATE CUT-OFF WALLS

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.

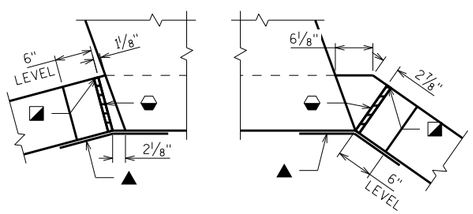


OPTIONAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.



CORNER 1 CORNER 3



CORNER 2 CORNER 4

CORNER DETAILS

◒ 3/4" FILLER, TYP. EXTEND FILLER FROM HORIZ. CONST. JT. TO TOP OF WING.

◪ 1" BEVEL, TYP.

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JT. TO TOP OF WALL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-44-121

DRAWN BY EMK | PLANS CK'D. JJS

APRON DETAILS

SHEET 6

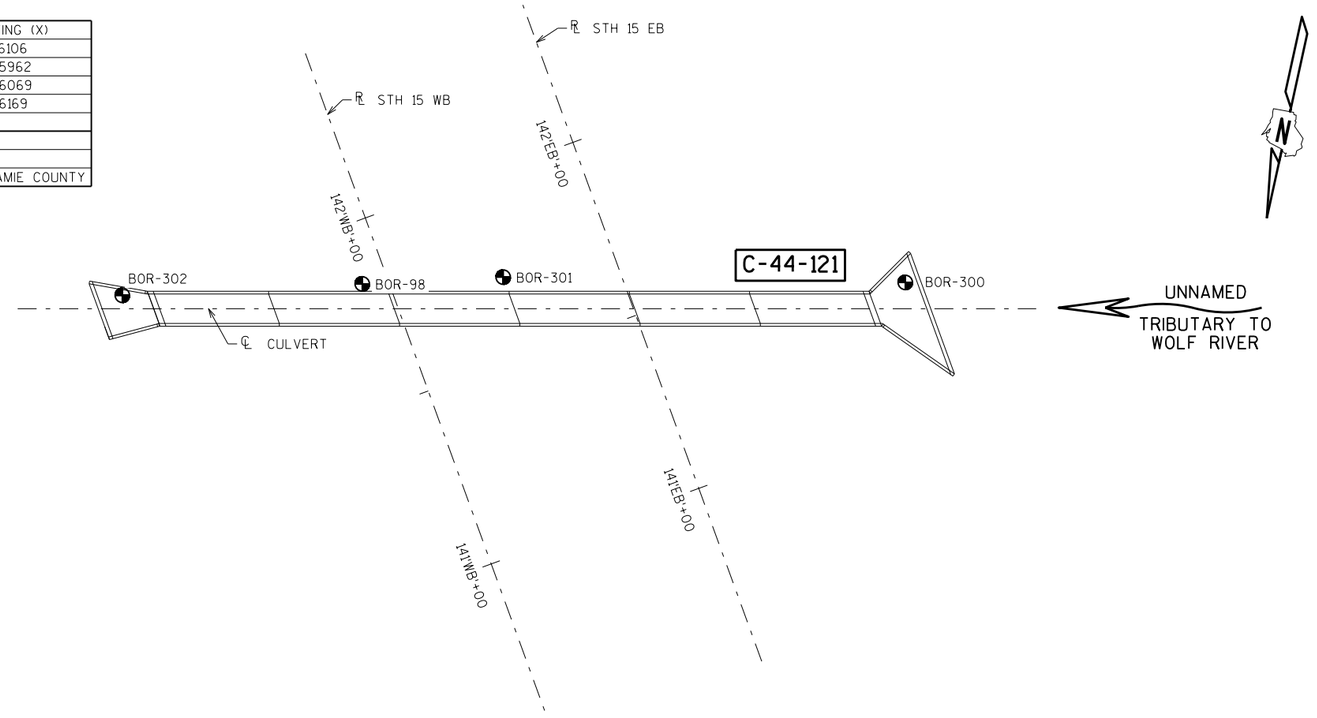
483

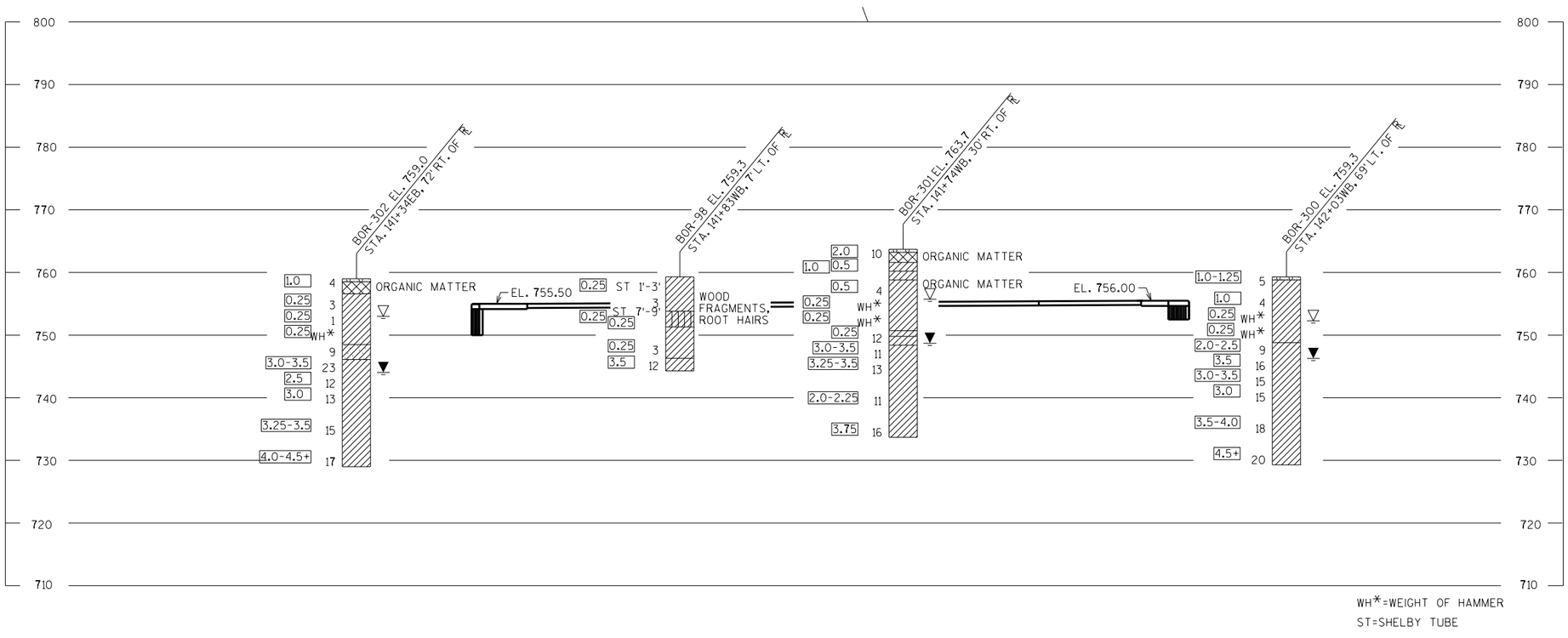
SCALE = 1.00

8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
98	7/11/2012	598752	746106
300	2/25/2014	598720	745962
301	2/24/2014	598742	746069
302	2/24/2014	598769	746169
BORINGS COMPLETED BY: GESTRA			
REPORT COMPLETED BY: CH2MHILL			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) OUTAGAMIE COUNTY			





WH*=WEIGHT OF HAMMER
ST=SHELBY TUBE

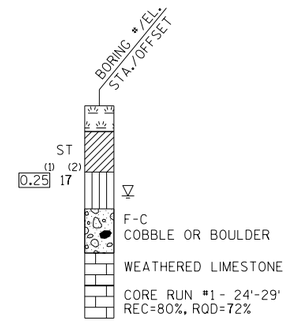
STATE PROJECT NUMBER

1146-75-73

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-44-121

DRAWN BY TLP/EMK | PLANS CK'D. JJS

SUBSURFACE EXPLORATION

SHEET 7

484

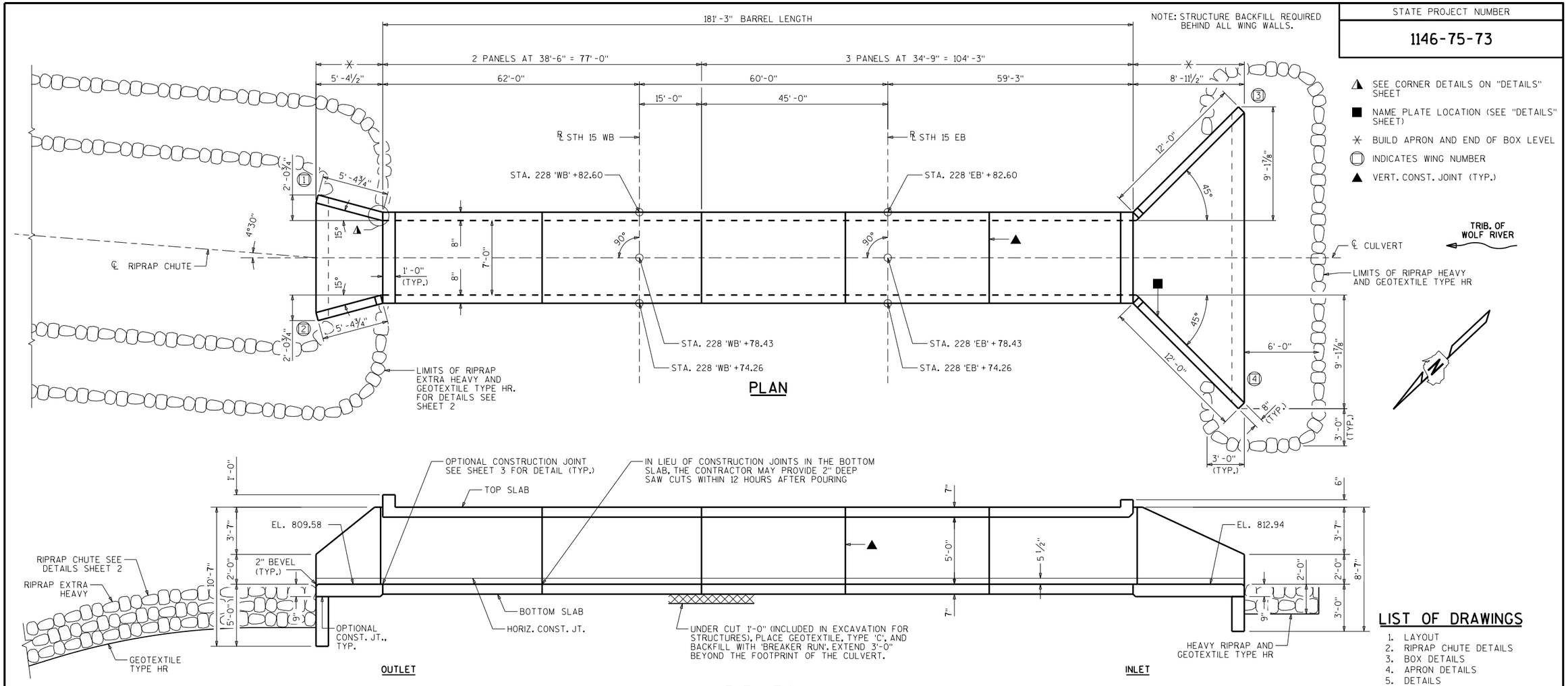
SCALE = 20.00

8

8

STATE PROJECT NUMBER

1146-75-73



PLAN

OUTLET

INLET

ELEVATION

NOTE: STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS.

▲ SEE CORNER DETAILS ON "DETAILS" SHEET

■ NAME PLATE LOCATION (SEE "DETAILS" SHEET)

✳ BUILD APRON AND END OF BOX LEVEL

⬭ INDICATES WING NUMBER

▲ VERT. CONST. JOINT (TYP.)

LIST OF DRAWINGS

1. LAYOUT
2. RIPRAP CHUTE DETAILS
3. BOX DETAILS
4. APRON DETAILS
5. DETAILS
6. SUBSURFACE EXPLORATION

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.05
OPERATING RATING FACTOR: RF = 1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 255(KIPS)

EARTHLOAD:
DESIGNED FOR 3.5 TO 7.0 FT. OF FILL.

MATERIAL PROPERTIES:
CONCRETE MASONRY: ——— f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT: ——— fy = 60,000 P.S.I.

HYDRAULIC DATA

100 YEAR FREQUENCY
Q_{100} = 200 C.F.S.
VEL. = 14.9 F.P.S.
$HW._{100}$ = EL. 817.88
DRAINAGE AREA = 0.7 SQ. MI.
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 8

2 YEAR FREQUENCY
Q_2 = 30.0 C.F.S.
$HW._2$ = EL. 815.14

TRAFFIC VOLUME

STH 15
ADT = 20,000 (2040)
R.D.S. = 60 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
203.0220	REMOVING STRUCTURE C-44-24	EACH	1
206.2001	EXCAVATION FOR STRUCTURES CULVERTS C-44-122	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	1724
311.0115	BREAKER RUN	CY	106
504.0100	CONCRETE MASONRY CULVERTS	CY	124
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	31,500
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	800
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	23
606.0300	RIPRAP HEAVY	CY	18
606.0400	RIPRAP EXTRA-HEAVY	CY	425
645.0105	GEOTEXTILE TYPE C	SY	365
645.0120	GEOTEXTILE TYPE HR	SY	485
	NON-BID ITEMS		
	FILLER	SIZE	¾"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-44-122" SHALL BE THE EXISTING GROUNDLINE.

ALL VOLUME WHICH CANNOT BE PLACED BEFORE CULVERT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL WITHIN THE LENGTH OF THE CULVERT INCLUDING THE APRON WING WALLS.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

PLACE 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".

THE 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.

STRUCTURE DESIGN CONTACTS:
DANIELLE DE TENNIS (608) 266-8689
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ DMB 05/01/23
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-44-122

STH 15 OVER TRIBUTARY TO WOLF RIVER

COUNTY	TOWN
OUTAGAMIE	HORTONIA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
DFD	SGN	DFD	JJS

LAYOUT

SHEET 1 OF 6

485

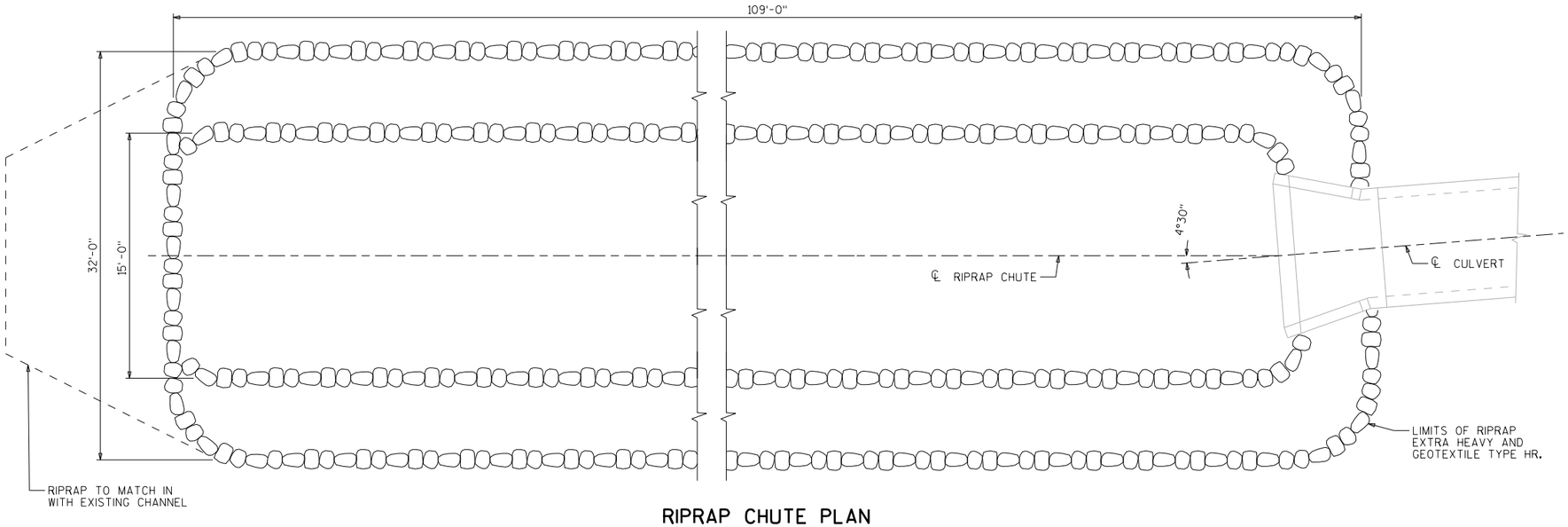
I.D. 1146-75-00D

DATE: MAR. 2023

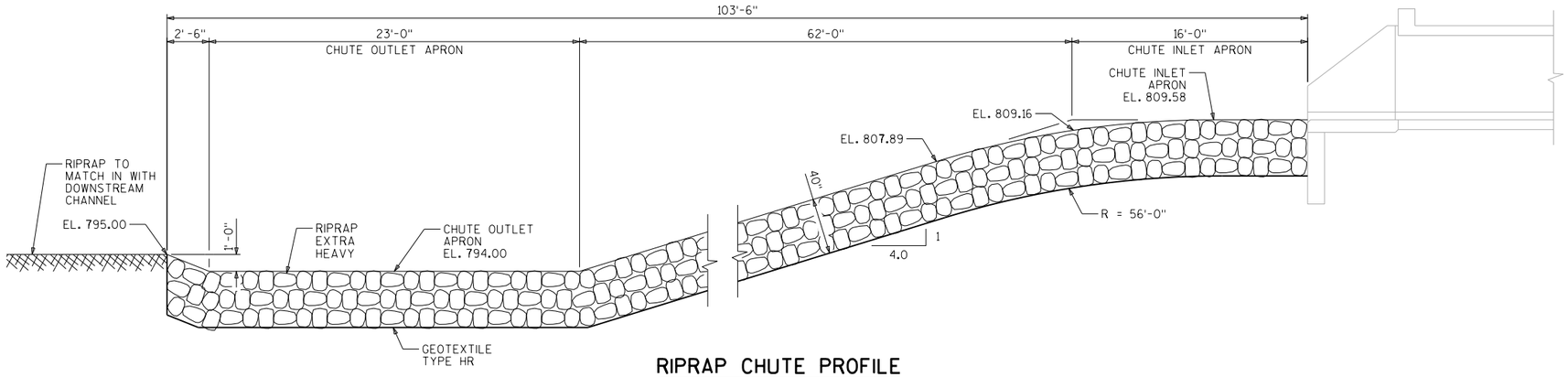
SCALE = 4.00

STATE PROJECT NUMBER

1146-75-73



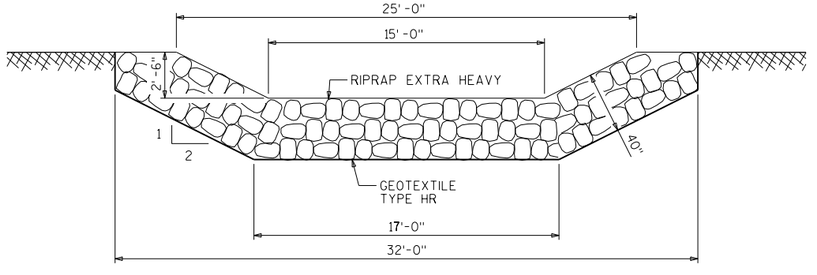
RIPRAP CHUTE PLAN



RIPRAP CHUTE PROFILE

ALONG ℄ CHUTE

NOTE:
USE ANGULAR (NOT ROUNDED) RIPRAP IN CHUTE



SECTION THRU CHUTE

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-44-122

DRAWN BY DFD | PLANS CK'D. JJS

RIPRAP CHUTE DETAILS

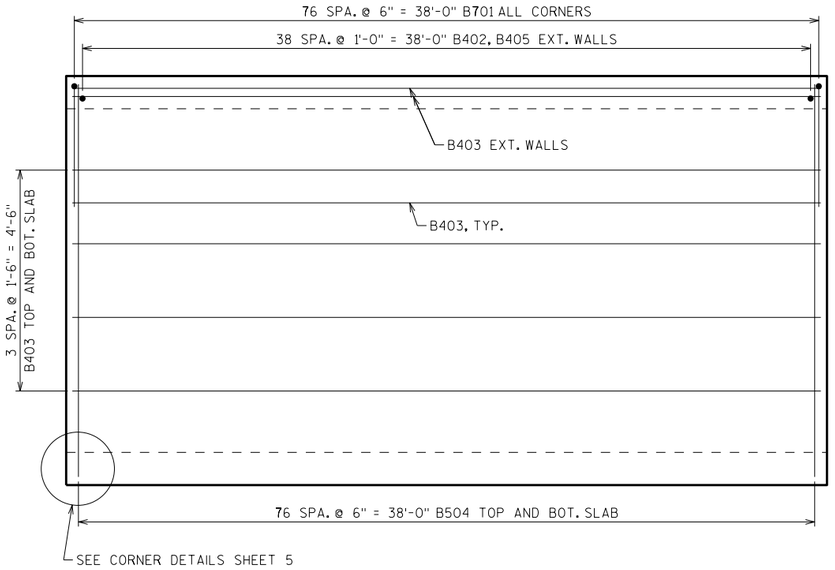
SHEET 2

486

SCALE = 4.00

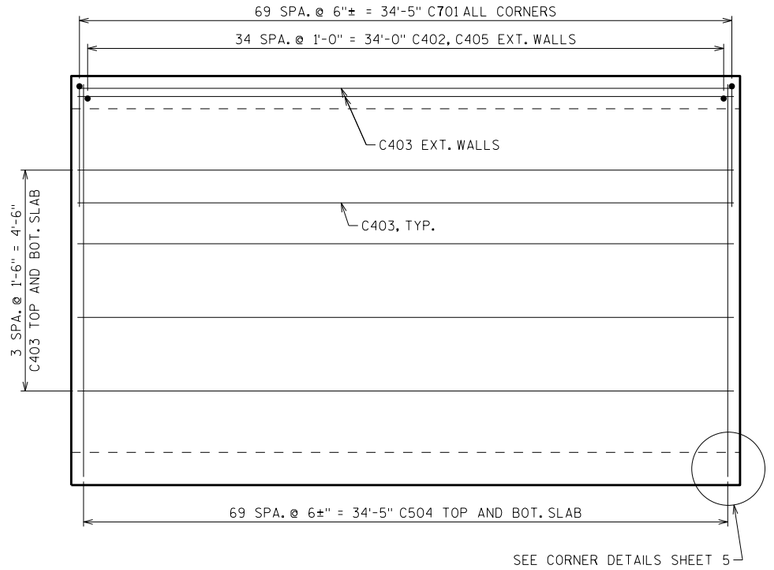
STATE PROJECT NUMBER

1146-75-73



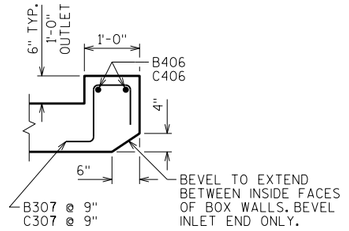
PLAN VIEW OF OUTLET PANEL

TYP. FOR 38'-6" PANELS

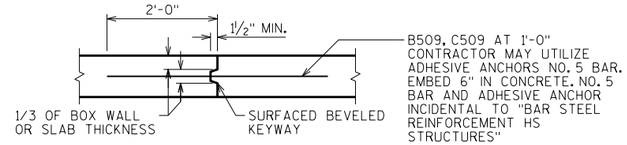


PLAN VIEW OF INLET PANEL

TYP. FOR 34'-9" PANELS

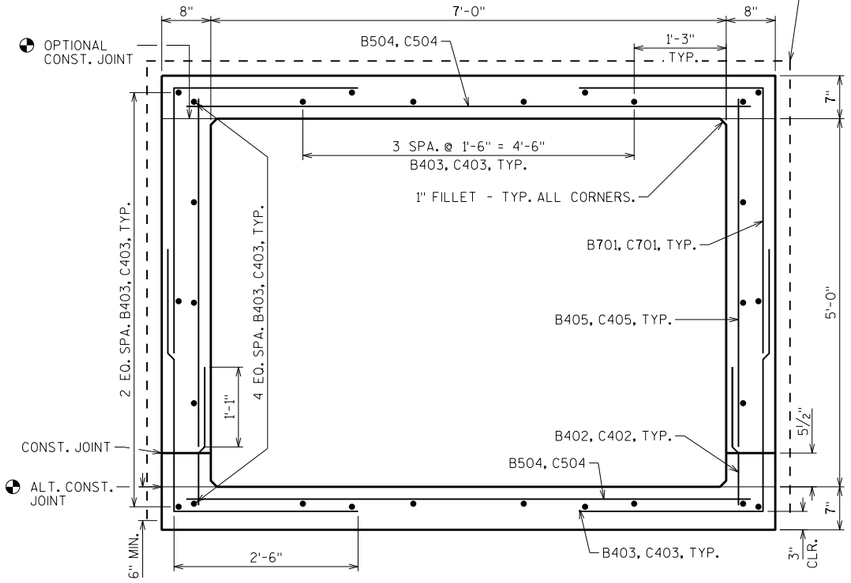


SECTION THRU HEADER



VERTICAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.



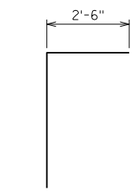
TYPICAL SECTION THRU BOX

OMIT 1" FILLET IF JOINT IS USED

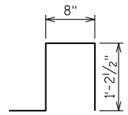
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

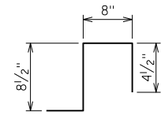
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B701		616	6'-7"	X		CORNERS
B402		156	1'-11"			EXTERIOR WALL DOWELS
B403		56	38'-0"			LONGITUDINAL
B504		308	8'-0"			TOP AND BOT. SLAB
B405		156	4'-10"			EXTERIOR WALLS VERTICAL
B406		2	8'-0"			OUTLET HEADER HORIZONTAL
B307		10	3'-4"	X		OUTLET HEADER STIRRUP
						NOT USED
B509		28	4'-0"			VERTICAL CONST. JOINT
C701		840	6'-7"	X		CORNERS
C402		210	1'-11"			EXTERIOR WALL DOWELS
C403		84	34'-3"			LONGITUDINAL
C504		420	8'-0"			TOP AND BOT. SLAB
C405		210	4'-10"			EXTERIOR WALLS VERTICAL
C406		2	8'-0"			INLET HEADER HORIZONTAL
C307		10	2'-0"	X		INLET HEADER STIRRUP
						NOT USED
C509		84	4'-0"			VERTICAL CONST. JOINT



B701, C701



B307



C307

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-44-122

DRAWN BY DFD | PLANS CK'D. JJS

BOX DETAILS

SHEET 3

487

8

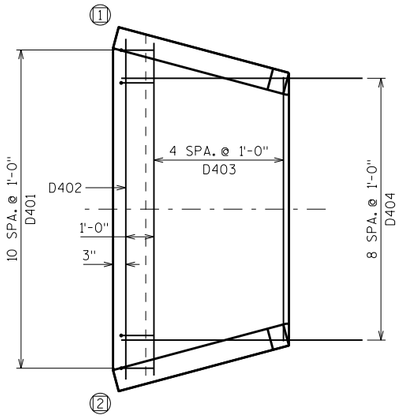
8

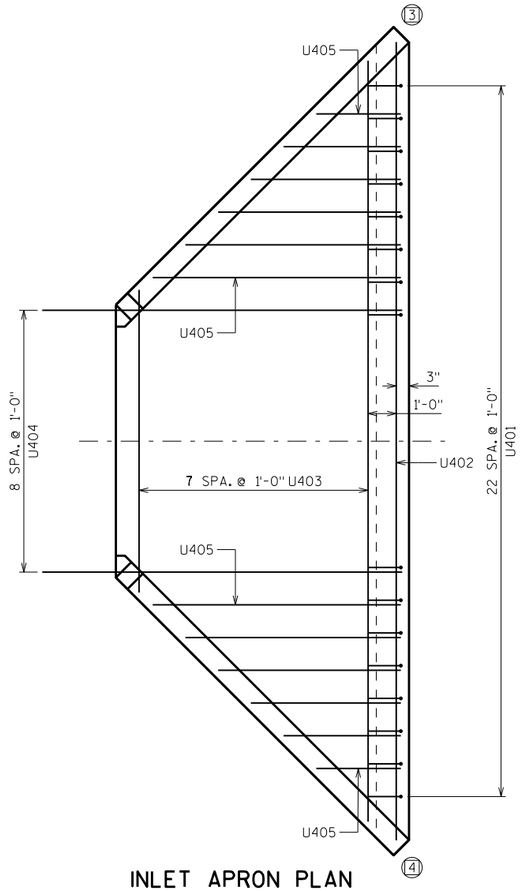
SCALE = 1.00

(1) INDICATES WING NUMBER

STATE PROJECT NUMBER

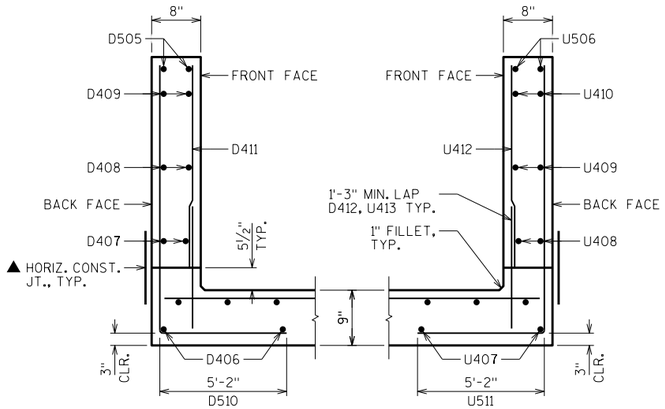
1146-75-73





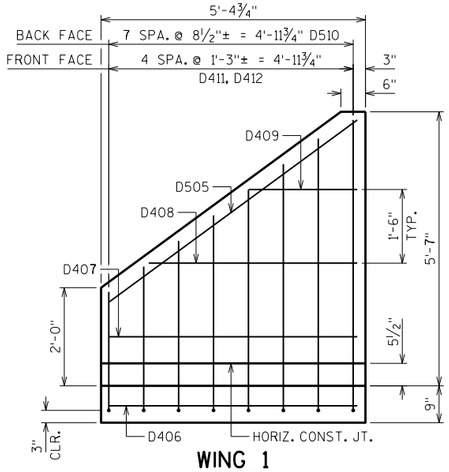
OUTLET APRON PLAN

INLET APRON PLAN



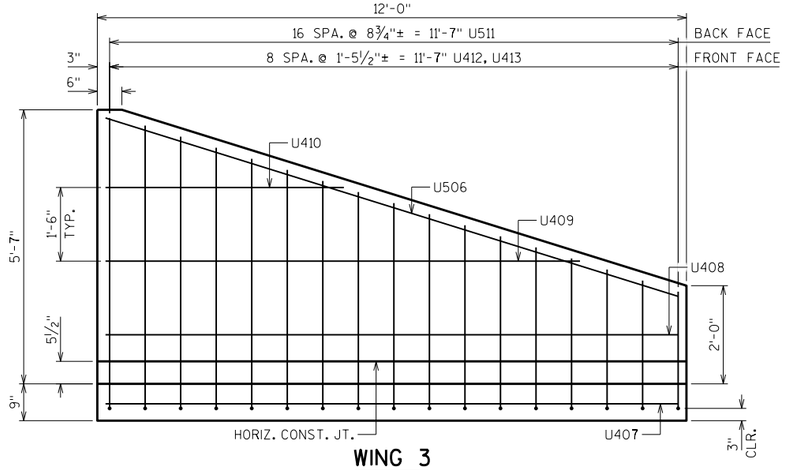
WINGS 1 & 2 SECTION

WINGS 3 & 4 SECTION



WING 1

WING 2 SIMILAR
SHOWING BACK FACE REINFORCEMENT



WING 3

WING 4 SIMILAR
SHOWING BACK FACE REINFORCEMENT

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING, PLACE ALONG HORIZ. CONST. JT. FOR ENTIRE WING LENGTH, TYP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-44-122

DRAWN BY DFD | PLANS CK'D. JJS

APRON DETAILS

SHEET 4

488

SCALE = 1.50

8

8

STATE PROJECT NUMBER

1146-75-73

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

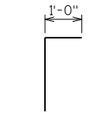
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
D401		11	5'-6"	X		OUTLET APRON AND CUTOFF WALL VERT.
D402		5	10'-5"			OUTLET APRON AND CUTOFF WALL HORIZ.
D403		5	9'-1"		⚠	OUTLET APRON SLAB HORIZ.
D404		9	7'-5"			OUTLET APRON AND BOX SLAB HORIZ.
D505	X	4	6'-1"			WINGS 1 & 2 HORIZ. TOP BOTH FACES
D406	X	4	5'-0"			WINGS 1 & 2 HORIZ. APRON SLAB
D407	X	4	5'-0"			WINGS 1 & 2 HORIZ. BOTTOM BOTH FACES
D408	X	4	4'-3"			WINGS 1 & 2 HORIZ.
D409	X	4	2'-2"			WINGS 1 & 2 HORIZ.
D510	X	16	9'-2"	X	⚠	WINGS 1 & 2 VERT. BACK FACE
D411	X	10	3'-2"		⚠	WINGS 1 & 2 VERT. FRONT FACE
D412	X	10	2'-3"			WINGS 1 & 2 DOWELS FRONT FACE
U401		23	3'-6"	X		INLET APRON AND CUTOFF WALL VERT.
U402		3	24'-3"			INLET APRON AND CUTOFF WALL HORIZ.
U403		8	16'-3"		⚠	INLET APRON SLAB HORIZ.
U404		9	11'-0"			INLET APRON AND BOX SLAB HORIZ.
U405		12	5'-1"		⚠	INLET APRON SLAB HORIZ.
U506	X	4	12'-2"			WINGS 3 & 4 HORIZ. TOP BOTH FACES
U407	X	4	11'-8"			WINGS 3 & 4 HORIZ. APRON SLAB
U408	X	4	11'-8"			WINGS 3 & 4 HORIZ. BOTTOM BOTH FACES
U409	X	4	9'-8"			WINGS 3 & 4 HORIZ.
U410	X	4	4'-10"			WINGS 3 & 4 HORIZ.
U511	X	34	9'-2"	X	⚠	WINGS 3 & 4 VERT. BACK FACE
U412	X	18	3'-2"		⚠	WINGS 3 & 4 VERT. FRONT FACE
U413	X	18	2'-3"			WINGS 3 & 4 DOWELS FRONT FACE

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

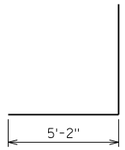
BAR SERIES TABLE

BAR MARK	NO. REQ'D	LENGTH
D403	1 SERIES OF 5	8'-0" TO 10'-2"
D510	2 SERIES OF 8	7'-4" TO 10'-11"
D411	2 SERIES OF 5	1'-5" TO 4'-11"
U403	1 SERIES OF 8	9'-3" TO 23'-3"
U405	2 SERIES OF 6	2'-7" TO 7'-7"
U511	2 SERIES OF 17	7'-4" TO 10'-11"
U412	2 SERIES OF 9	1'-5" TO 4'-11"

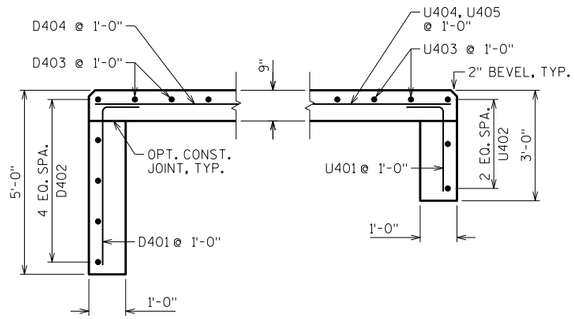
BUNDLE AND TAG EACH SERIES SEPARATELY



D401, U401

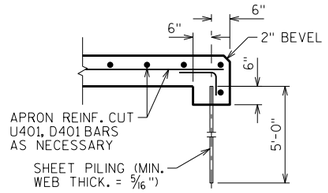


D510, U511



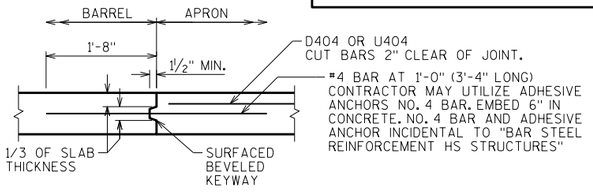
OUTLET INLET

CUT-OFF WALLS



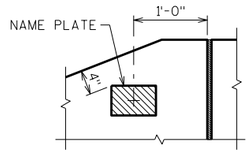
ALTERNATE CUT-OFF WALLS

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.

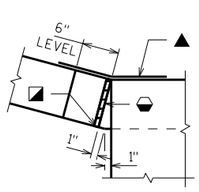


OPTIONAL CONSTRUCTION JOINT

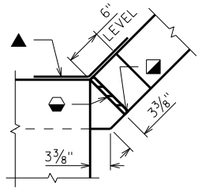
2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.



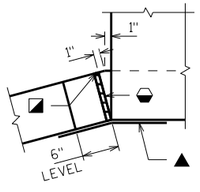
NAME PLATE LOCATION WING 4



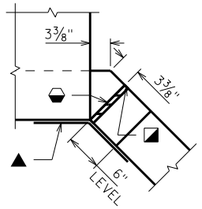
CORNER 1



CORNER 3



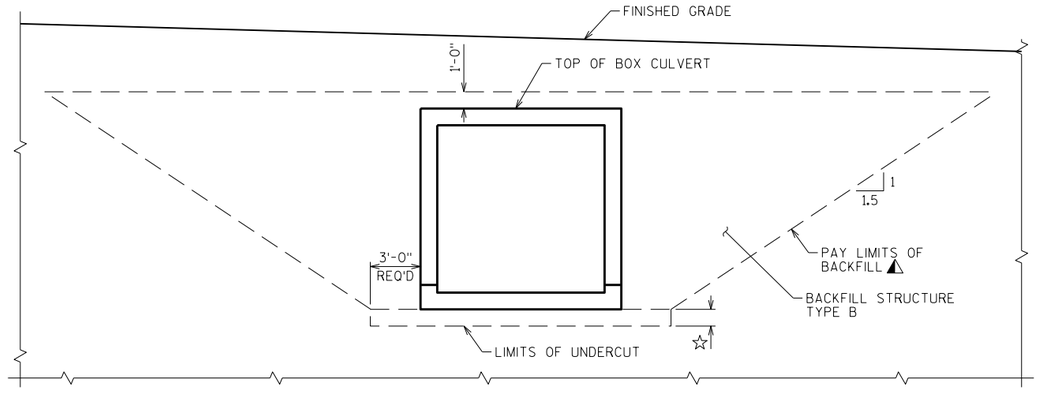
CORNER 2



CORNER 4

CORNER DETAILS

- 3/4" FILLER, TYP. EXTEND FILLER FROM HORIZ. CONST. JT. TO TOP OF WING.
- 1" BEVEL, TYP.
- 18" RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JT. TO TOP OF WALL.



TYPICAL SECTION THRU BOX CULVERT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

☆ UNDER CUT 1'-0". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".

IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMINE IF "OTHER GRANULAR MATERIAL" IS ACCEPTABLE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-44-122

DRAWN BY DFD | PLANS CK'D. JJS

DETAILS

SHEET 5

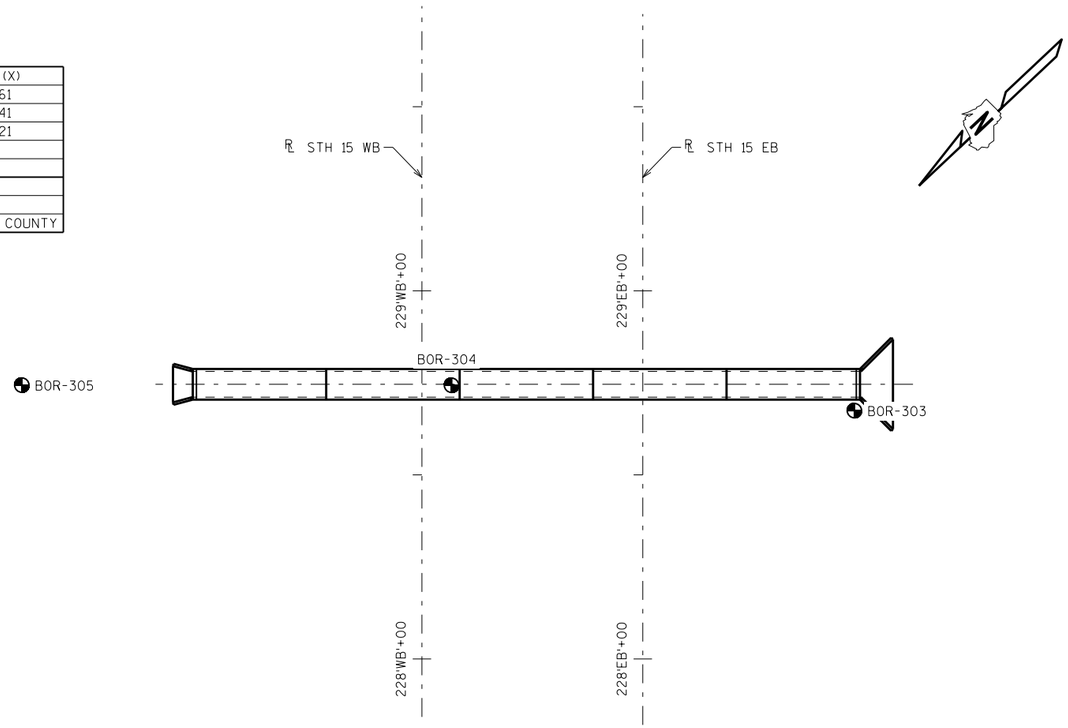
489

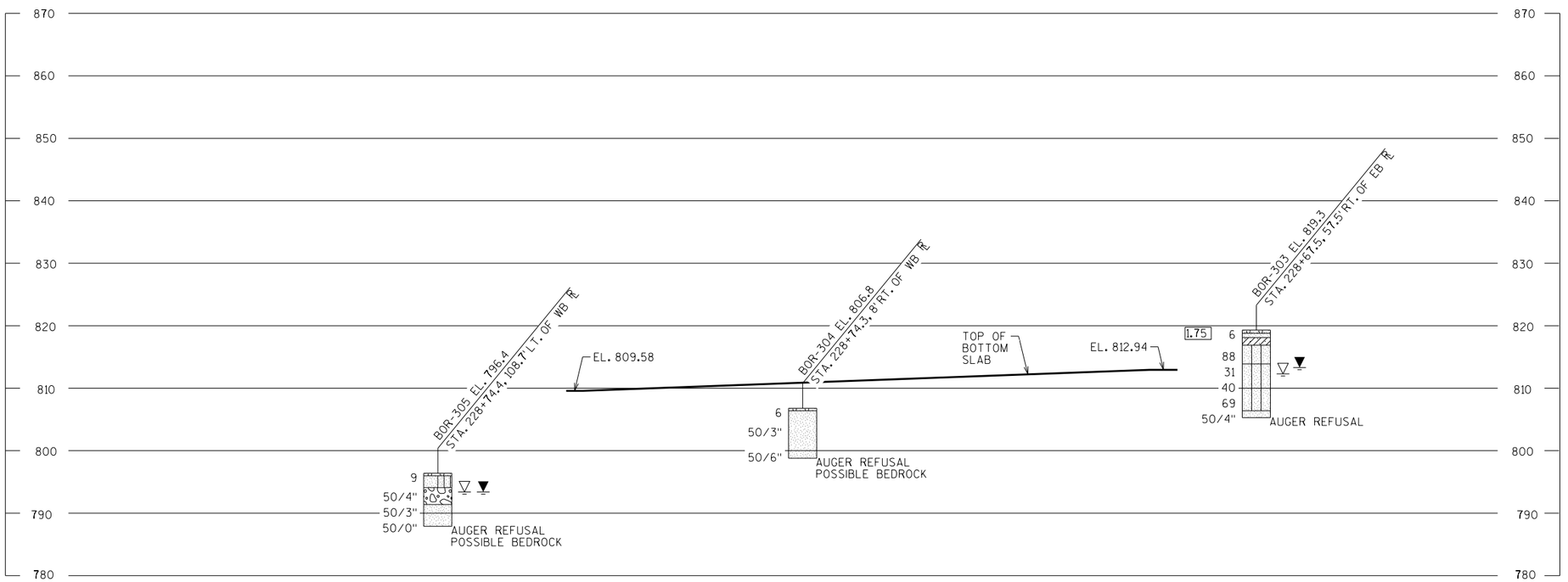
SCALE = 1.00

8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
303	4/03/2014	595570	753761
304	4/03/2014	595645	753841
305	4/03/2014	595730	753921
BORINGS COMPLETED BY: GESTRA			
REPORT COMPLETED BY: CH2M HILL			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) OUTAGAMIE COUNTY			





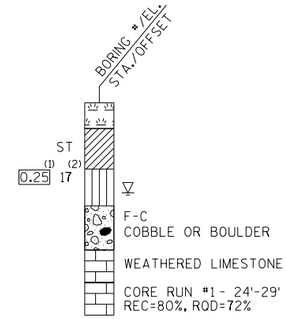
STATE PROJECT NUMBER

1146-75-73

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-44-122

DRAWN BY TLP/DFD | PLANS CK'D. JJS

SUBSURFACE EXPLORATION

SHEET 6

490

SCALE = 20.00

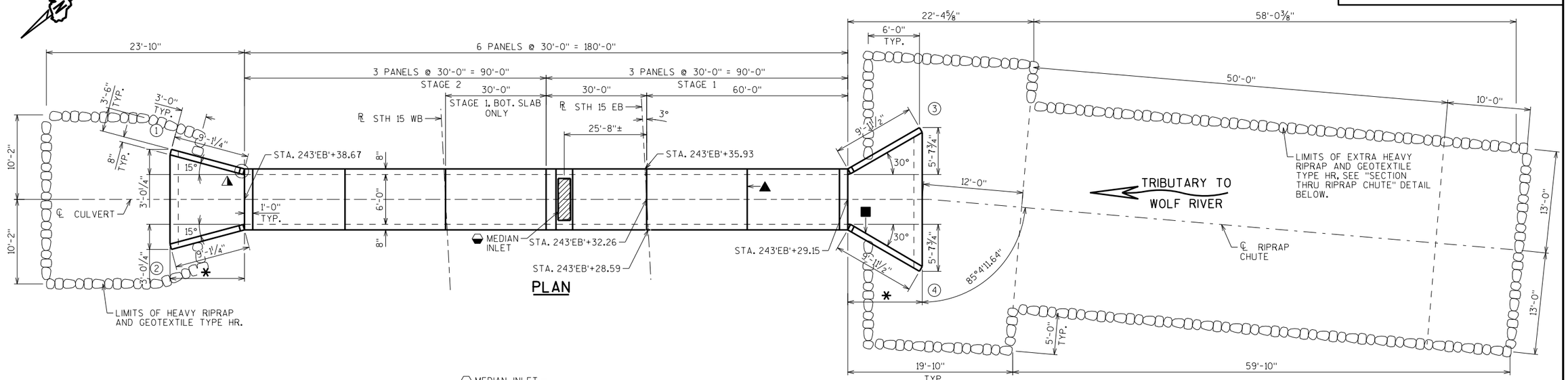
8

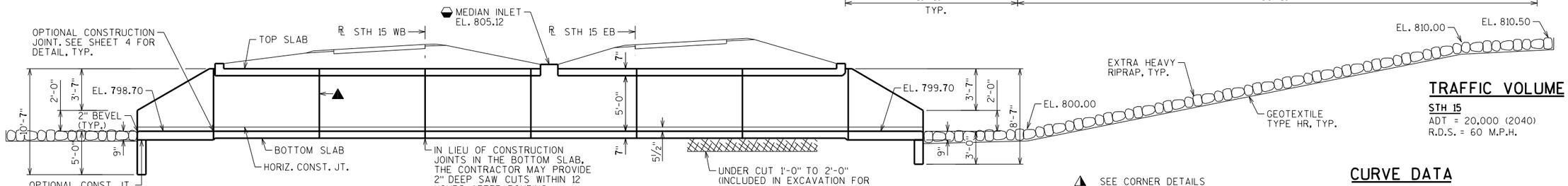
8

NOTE: STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS.

STATE PROJECT NUMBER

1146-75-73





TRAFFIC VOLUME

STH 15
ADT = 20,000 (2040)
R.D.S. = 60 M.P.H.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-44-123" SHALL BE THE EXISTING GROUND LINE.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ALL VOLUME WHICH CANNOT BE PLACED BEFORE CULVERT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL WITHIN THE LENGTH OF THE CULVERT INCLUDING APRON WING WALLS.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

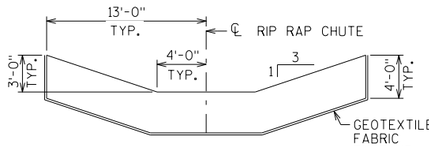
PLACE 18" (MIN.) WIDE SHEET OF "RUBBERIZED MEMBRANE WATERPROOFING" ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO BOTTOM OF OUTSIDE WALLS.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS ON CHAPTER 36 STANDARDS OF THE CURRENT WISC. DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES".

THE 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.

APPLY BRIDGE SEAT PROTECTION PER STANDARD SPECIFICATION SECTION 502.3.12 TO THE SURFACES SHOWN ON SHEET 2.

SECTION THRU RIP RAP CHUTE



HYDRAULIC DATA

100 YEAR FREQUENCY
Q_{100} = 280 C.F.S.
VEL. = 11.5 F.P.S.
$HW._{100}$ = EL. 807.0
WATERWAY AREA = 30 SQ. FT.
DRAINAGE AREA = 0.8 SQ. MI.
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 8

2 YEAR FREQUENCY
Q_2 = 50 C.F.S.
$HW._2$ = EL. 801.9

TOTAL ESTIMATED QUANTITIES

BID ITEMS

203.0220	REMOVING STRUCTURE C-44-23	1	EACH
206.2001	EXCAVATION FOR STRUCTURES CULVERTS C-44-123	1	EACH
210.2500	BACKFILL STRUCTURE TYPE B	1,696	TON
311.0115	BREAKER RUN	200	CY
504.0100	CONCRETE MASONRY CULVERTS	114	CY
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	400	LB
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	22,055	LB
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	27	SY
606.0300	RIPRAP HEAVY	33	CY
606.0400	EXTRA RIPRAP HEAVY	327	CY
611.0642	INLET COVERS TYPE MS	2	EACH
645.0105	GEOTEXTILE TYPE C	405	SY
645.0120	GEOTEXTILE TYPE HR	385	SY

NON-BID ITEMS

FILLER	3/4"	SIZE
BRIDGE SEAT PROTECTION	1	LS

- △ SEE CORNER DETAILS
- ■ NAME PLATE LOCATION (SEE SHT 4)
- ✱ BUILD APRON AND END OF BOX LEVEL
- ▲ VERT. CONST. JOINT (TYP.)
- ◯ INDICATES WING NUMBER
- ⬙ MEDIAN INLET SEE SHEET 2 FOR DETAILS.

CURVE DATA

STH 15 EB	STH 15 WB
P.I. = 245'EB'+38.39	P.I. = 245'WB'+26.67
△ = 22°06'05"	△ = 22°06'05"
D = 0°56'44"	D = 0°57'18"
T = 1183.51'	T = 1171.80'
L = 2337.60'	L = 2314.46'
R = 6060.00'	R = 6000.00'
S.E. = 2.6%	S.E. = 2.6%
P.C. = 233'EB'+54.88	P.C. = 233'EB'+54.88
P.T. = 256'EB'+92.48	P.T. = 256'EB'+69.34

STRUCTURE DESIGN CONTACTS:
STEVE DOOCY (608) 261-6063
AARON BONK (608) 261-0261

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.05
OPERATING RATING FACTOR: RF = 1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 255(KIPS)

EARTHLOAD:
DESIGNED FOR 2.5 TO 5.0 FT. OF FILL.

MATERIAL PROPERTIES:
CONCRETE MASONRY: f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT: fy = 60,000 P.S.I.

LIST OF DRAWINGS

1. GENERAL PLAN
2. BOX DETAILS
3. APRON DETAILS
4. DETAILS
5. STAGING DETAILS
6. SUBSURFACE EXPLORATION

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES
ACCEPTED DMB 05/01/23
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-44-123

STH 15 OVER TRIBUTARY TO WOLF RIVER

COUNTY	TOWN
OUTAGAMIE	HORTONIA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
SAD	LMK	SAD	JJS

GENERAL PLAN

SHEET 1 OF 6

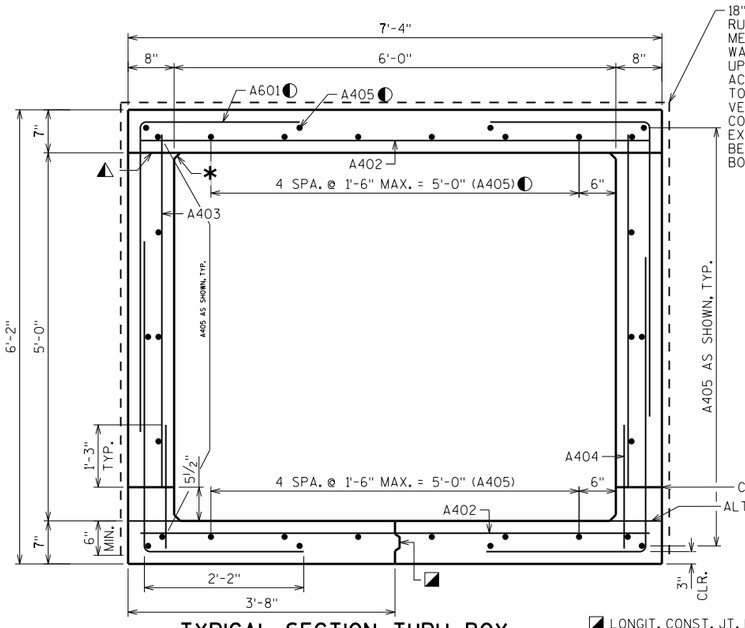
491

I.D. 1146-75-00E

DATE: MAR. 2023

SCALE = 6.00

PLAN VIEW
TYPICAL PANEL



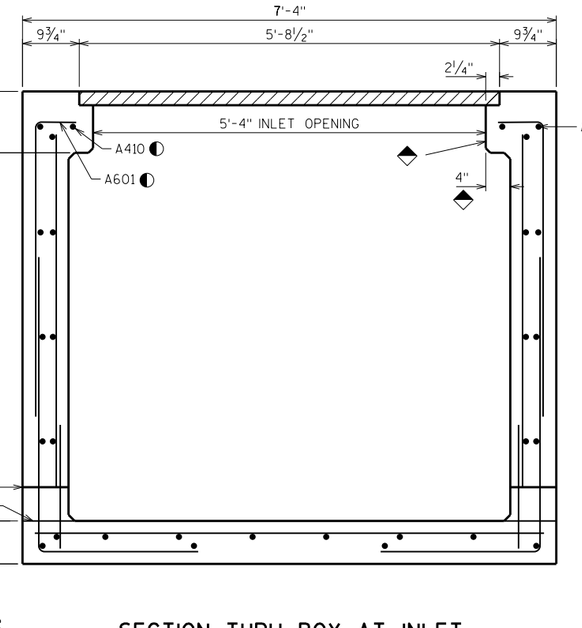
TYPICAL SECTION THRU BOX

* 1" FILLET - TYPICAL ALL CORNERS.

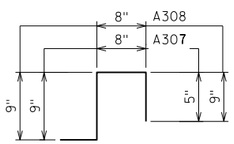
▲ OPTIONAL CONST. JOINT. OMIT 1" FILLET IF OPTIONAL CONST. JOINT IS USED.

◪ LONGIT. CONST. JT. LOCATED IN STAGE 2 PANEL ADJACENT TO STAGE 1 CONST. JT. KEYWAY FORMED BY BEVELED 2X4.

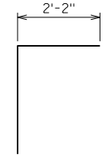
◓ OMIT 1" FILLET IF ALTERNATE CONSTRUCTION JOINT IS USED.



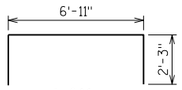
SECTION THRU BOX AT INLET



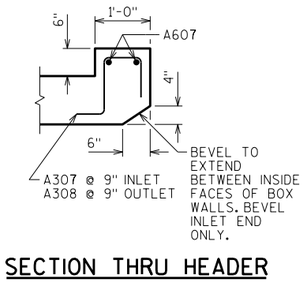
A307, A308



A601



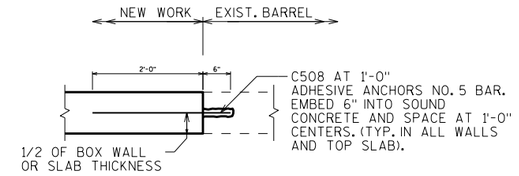
A411



BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

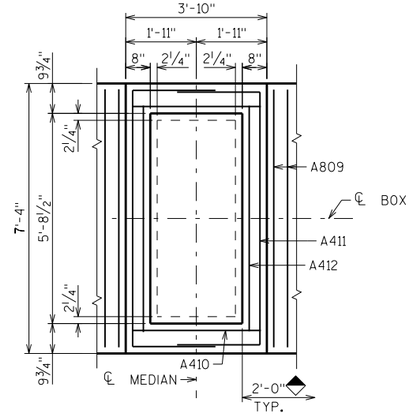
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A601	X	1248	6'-6"	X		ALL CORNERS
A402	X	672	7'-0"			TRANS. - TOP AND BOTTOM SLAB
A403	X	360	4'-10"			VERT. - WALL
A404	X	360	2'-1"			VERT. - DOWEL
A405	X	192	29'-8"			LONGIT. - WALL, TOP AND BOT. SLAB
A406	X	4	6'-10"			HORIZ. - HEADERS
A307	X	10	2'-1"	X		STIRRUP - INLET HEADER
A308	X	10	2'-5"	X		STIRRUP - OUTLET HEADER
A809	X	4	6'-10"			LONGIT. - AT MEDIAN INLET
A410	X	2	11'-3"			TRANS. - AT MEDIAN INLET
A411	X	2	3'-6"	X		LONGIT. - AT MEDIAN INLET
A412	X	2	6'-4"			LONGIT. - AT MEDIAN INLET



VERTICAL CONSTRUCTION JOINT

TYP. WALLS AND TOP SLAB

SECTION THRU HEADER



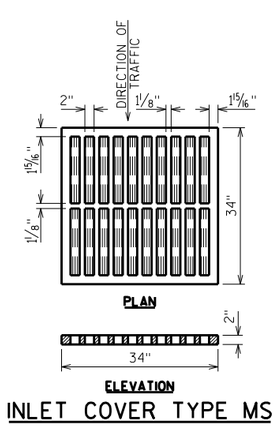
PLAN AT INLET

SEE SHEET 1 FOR LOCATION

◐ FIELD CUT BAR STEEL REINFORCEMENT IN TOP SLAB 2" CLEAR OF OPENING PROVIDED FOR MEDIAN INLET.

ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK. MAXIMUM ADJUSTMENT SHALL BE 8".

◈ APPLY BRIDGE SEAT PROTECTION TO INSIDE FACES AND BOTTOM OF TOP SLAB AS SHOWN. BRIDGE SEAT PROTECTION TO BE INCIDENTAL TO "CONCRETE MASONRY CULVERTS".



INLET COVER TYPE MS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-44-123

DRAWN BY SAD | PLANS CK'D. JJS

BOX DETAILS

SHEET 2

492

STATE PROJECT NUMBER

1146-75-73

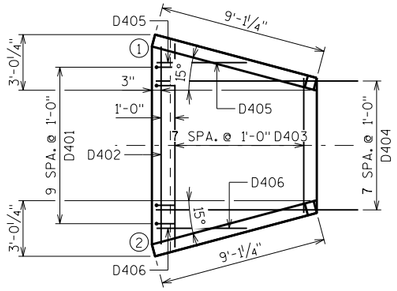
8

8

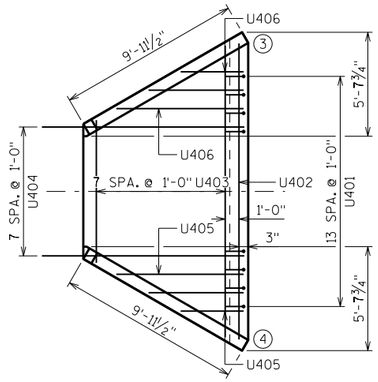
SCALE = 2.00

STATE PROJECT NUMBER

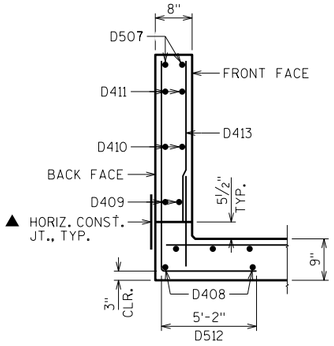
1146-75-73



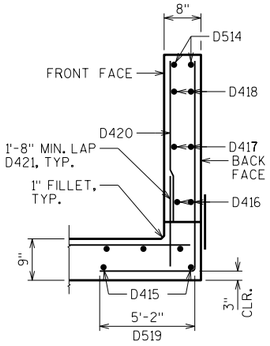
OUTLET APRON PLAN



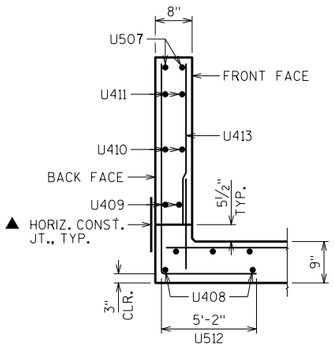
INLET APRON PLAN



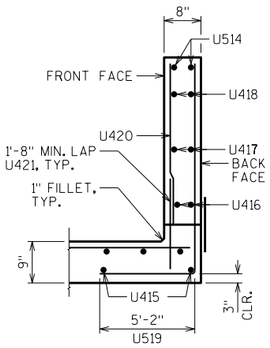
WING 2 SECTION



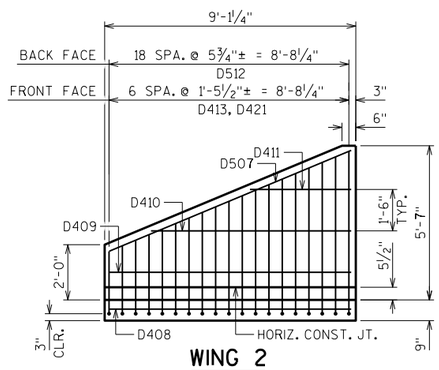
WING 1 SECTION



WING 3 SECTION

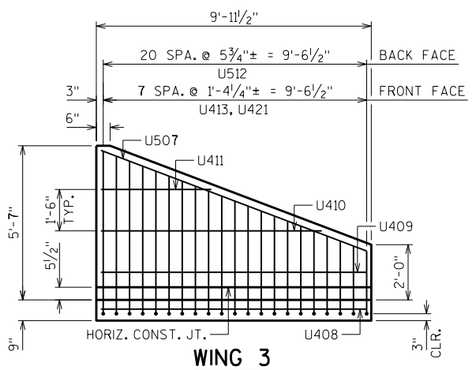


WING 4 SECTION



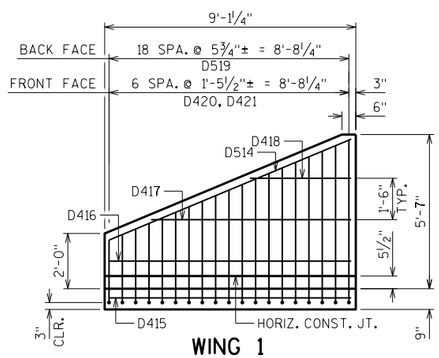
WING 2

SHOWING BACK FACE REINFORCEMENT



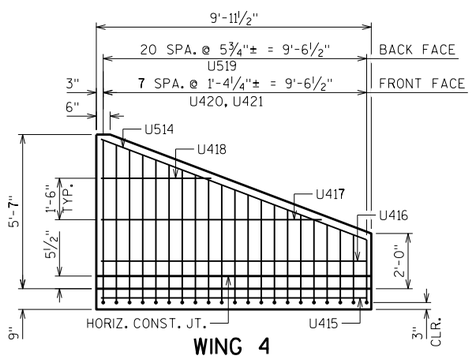
WING 3

SHOWING BACK FACE REINFORCEMENT



WING 1

SHOWING BACK FACE REINFORCEMENT



WING 4

SHOWING BACK FACE REINFORCEMENT

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING, PLACE ALONG HORIZ. CONST. JT. FOR ENTIRE WING LENGTH, TYP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-44-123

DRAWN BY SAD | PLANS CK'D. JJS

APRON DETAILS

SHEET 3

493

SCALE = 4.00

8

8

STATE PROJECT NUMBER

1146-75-73

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
U401		14	3'-6"	X		INLET APRON AND CUTOFF WALL VERT.
U402		3	16'-1"			INLET APRON AND CUTOFF WALL HORIZ.
U403		8	11'-9.5"		⚠	INLET APRON SLAB HORIZ.
U404		8	11'-0"			INLET APRON AND BOX SLAB HORIZ.
U405		3	5'-2"		⚠	INLET APRON SLAB HORIZ.
U406		3	5'-2"		⚠	INLET APRON SLAB HORIZ.
U507	X	2	9'-11"			WING 3 HORIZ. TOP BOTH FACES
U408	X	2	9'-6"			WING 3 HORIZ. APRON SLAB
U409	X	2	9'-6"			WING 3 HORIZ. BOTTOM BOTH FACES
U410	X	2	8'-0"			WING 3 HORIZ.
U411	X	2	4'-0"			WING 3 HORIZ.
U512	X	21	9'-2"	X	⚠	WING 3 VERT. BACK FACE
U413	X	8	3'-2"		⚠	WING 3 VERT. FRONT FACE
U514	X	2	9'-11"			WING 4 HORIZ. TOP BOTH FACES
U415	X	2	9'-6"			WING 4 HORIZ. APRON SLAB
U416	X	2	9'-6"			WING 4 HORIZ. BOTTOM BOTH FACES
U417	X	2	8'-0"			WING 4 HORIZ.
U418	X	2	4'-0"			WING 4 HORIZ.
U519	X	21	9'-2"	X	⚠	WING 4 VERT. BACK FACE
U420	X	8	3'-2"		⚠	WING 4 VERT. FRONT FACE
U421	X	16	2'-8"			WINGS 3 & 4 DOWELS FRONT FACE
D401		10	5'-6"	X		OUTLET APRON AND CUTOFF WALL VERT.
D402		5	10'-9"			OUTLET APRON AND CUTOFF WALL HORIZ.
D403		8	9'-3"		⚠	OUTLET APRON SLAB HORIZ.
D404		8	11'-0"			OUTLET APRON AND BOX SLAB HORIZ.
D405		1	4'-11"			OUTLET APRON SLAB HORIZ.
D406		1	4'-11"			OUTLET APRON SLAB HORIZ.
D507	X	2	9'-2"			WING 1 HORIZ. TOP BOTH FACES
D408	X	2	8'-8"			WING 1 HORIZ. APRON SLAB
D409	X	2	8'-8"			WING 1 HORIZ. BOTTOM BOTH FACES
D410	X	2	7'-3"			WING 1 HORIZ.
D411	X	2	3'-8"			WING 1 HORIZ.
D512	X	19	9'-2"	X	⚠	WING 1 VERT. BACK FACE
D413	X	7	3'-2"		⚠	WING 1 VERT. FRONT FACE
D514	X	2	9'-2"			WING 2 HORIZ. TOP BOTH FACES
D415	X	2	8'-8"			WING 2 HORIZ. APRON SLAB
D416	X	2	8'-8"			WING 2 HORIZ. BOTTOM BOTH FACES
D417	X	2	7'-3"			WING 2 HORIZ.
D418	X	2	3'-8"			WING 2 HORIZ.
D519	X	19	9'-2"	X	⚠	WING 2 VERT. BACK FACE
D420	X	7	3'-2"		⚠	WING 2 VERT. FRONT FACE
D421	X	14	2'-8"			WINGS 1 & 2 DOWELS FRONT FACE

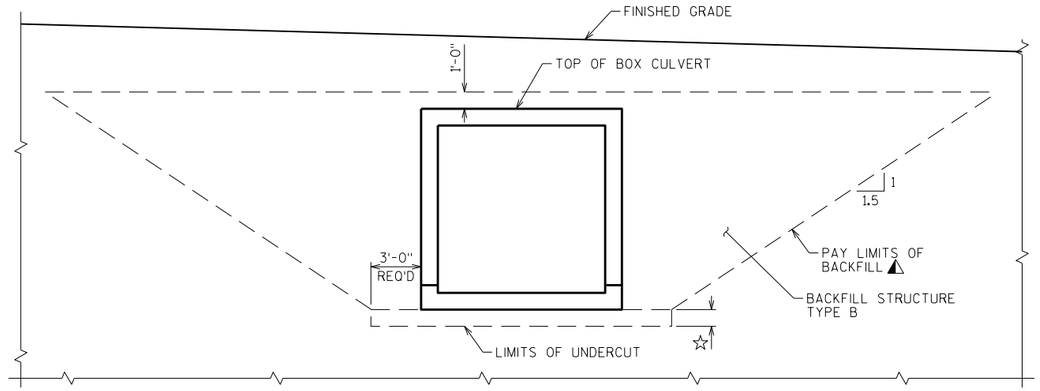
⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

◨ CUT TO FIT TO MAINTAIN 2" CLEAR

BAR SERIES TABLE

BAR MARK	NO. REQ'D	LENGTH
U403	1 SERIES OF 8	7'-9" TO 15'-10"
U405	1 SERIES OF 3	3'-5" TO 6'-11"
U406	1 SERIES OF 3	3'-5" TO 6'-11"
U512	1 SERIES OF 21	7'-4" TO 10'-11"
U413	1 SERIES OF 8	1'-5" TO 4'-11"
U519	1 SERIES OF 21	7'-4" TO 10'-11"
U420	1 SERIES OF 8	1'-5" TO 4'-11"
D403	1 SERIES OF 7	7'-4" TO 11'-1"
D512	1 SERIES OF 19	7'-4" TO 10'-11"
D413	1 SERIES OF 7	1'-5" TO 4'-11"
D519	1 SERIES OF 19	7'-4" TO 10'-11"
D420	1 SERIES OF 7	1'-5" TO 4'-11"

BUNDLE AND TAG EACH SERIES SEPARATELY

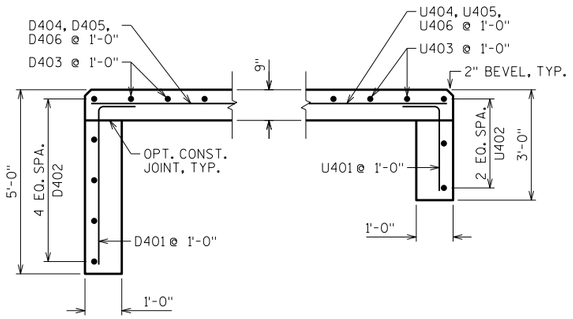


TYPICAL SECTION THRU BOX CULVERT

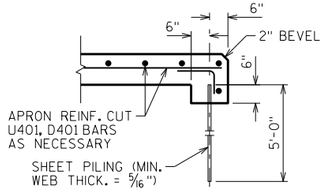
⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

☆ UNDER CUT 1'-0" TO 2'-0". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".

IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMINE IF "OTHER GRANULAR MATERIAL" IS ACCEPTABLE.

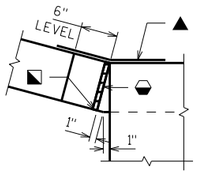


CUT-OFF WALLS

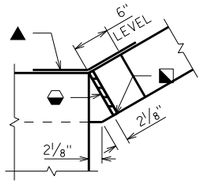


ALTERNATE CUT-OFF WALLS

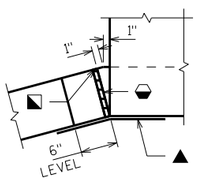
THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.



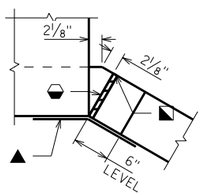
CORNER 1



CORNER 3



CORNER 2



CORNER 4

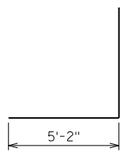
CORNER DETAILS

◒ 3/4" FILLER, TYP. EXTEND FILLER FROM HORIZ. CONST. JT. TO TOP OF WING.

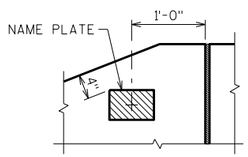
◪ 1" BEVEL, TYP.

▲ 18" RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JT. TO TOP OF WALL.

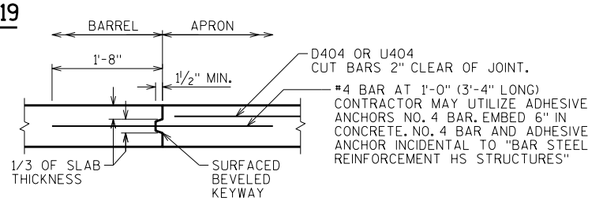
U401, D401



U512, U519, D512, D519



NAME PLATE LOCATION WING 4



OPTIONAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-44-123

DRAWN BY SAD | PLANS CK'D. JJS

DETAILS

SHEET 4

494

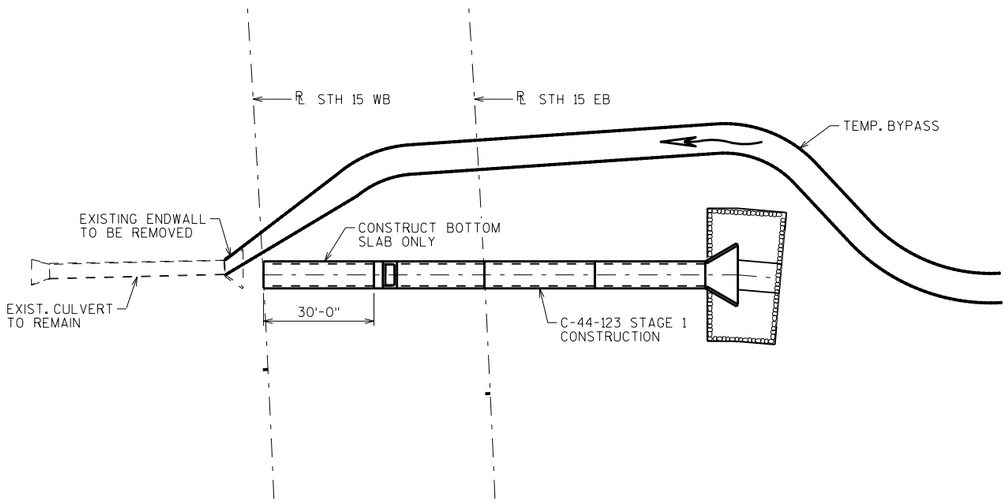
SCALE = 1.00

8

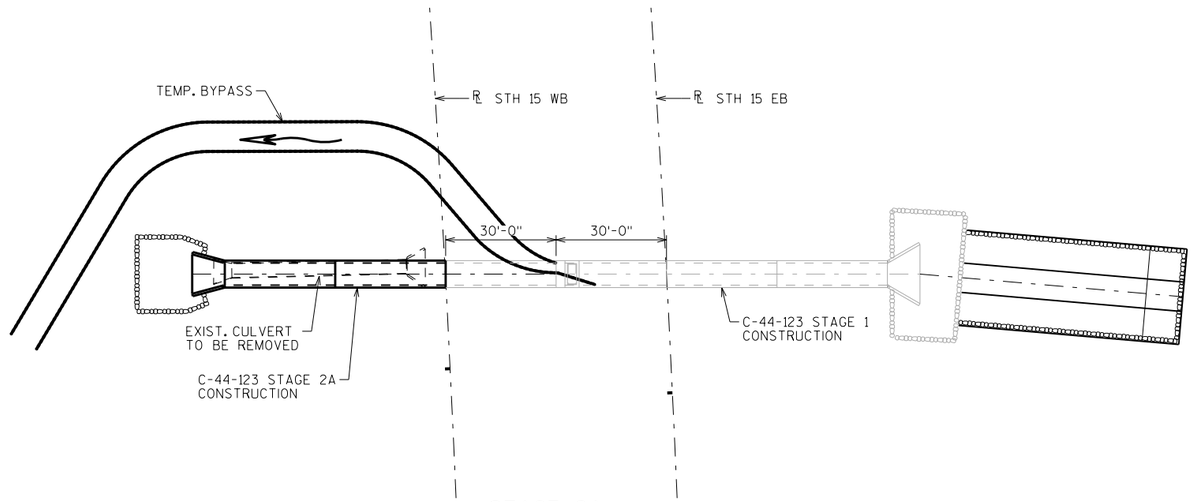
8

STATE PROJECT NUMBER

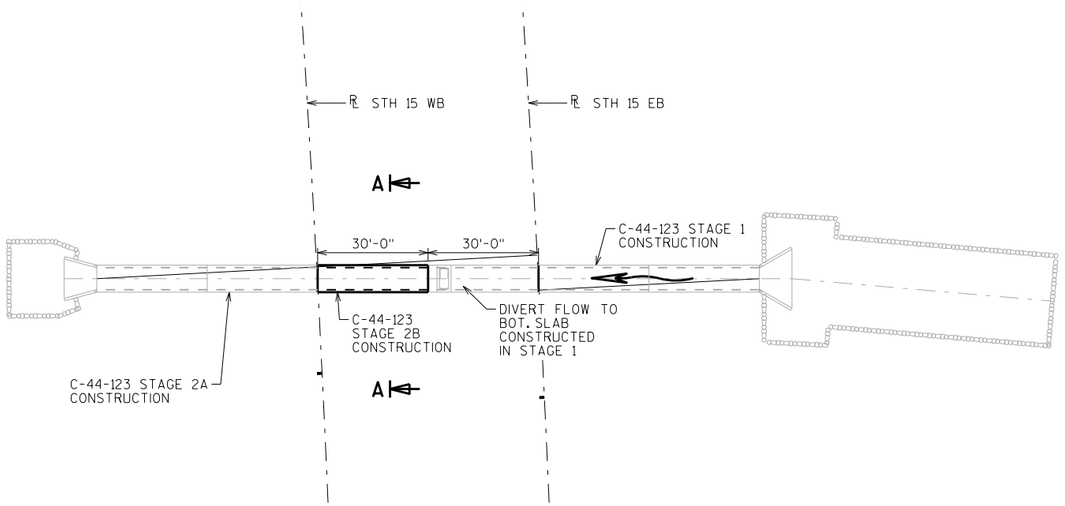
1146-75-73



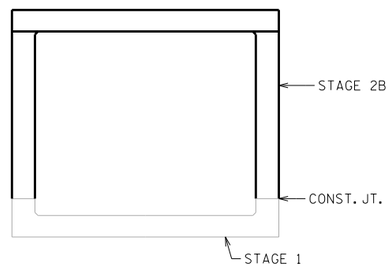
STAGE 1



STAGE 2A



STAGE 2B



SECTION A-A

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-44-123

DRAWN BY SAD | PLANS CK'D. JJS

STAGING DETAILS

SHEET 5

495

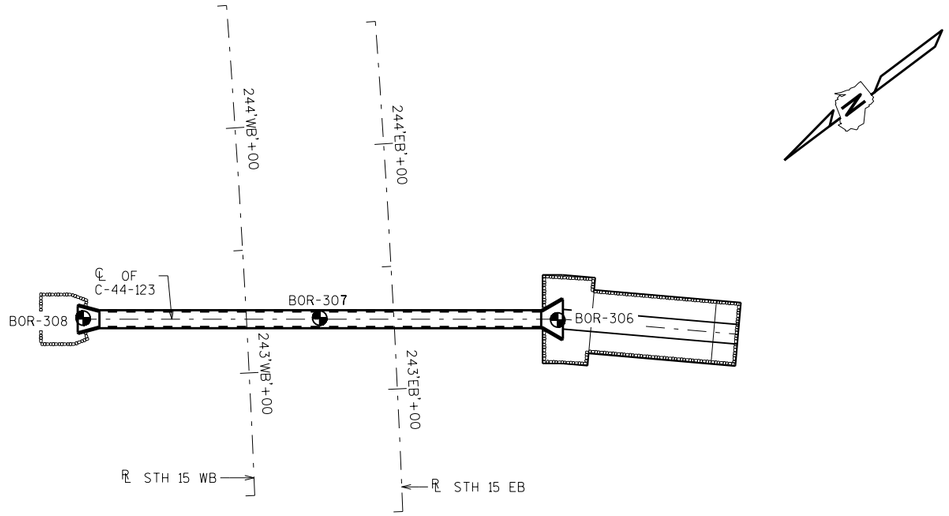
SCALE = 20.00

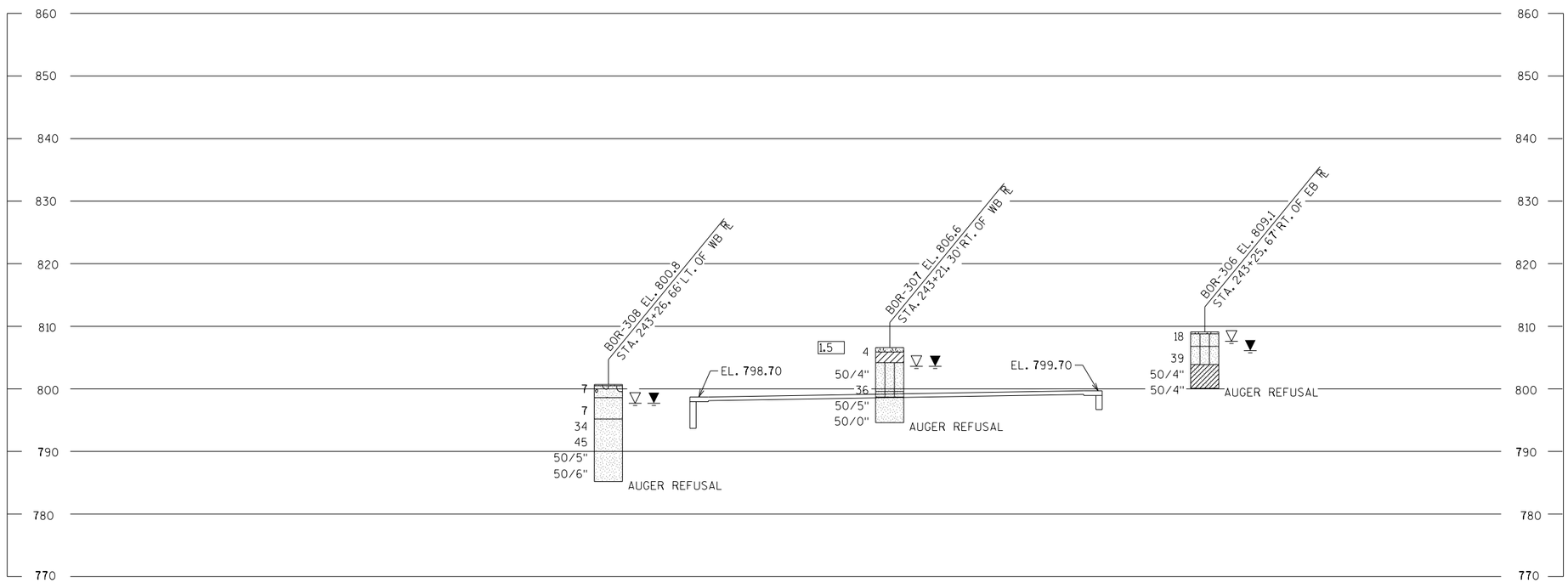
BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
306	4/04/2014	594618	754875
307	4/04/2014	594695	754934
308	4/04/2014	594772	754992

BORINGS COMPLETED BY: GESTRA

REPORT COMPLETED BY: CH2MHILL

ALL COORDINATES REFERENCED TO WCCS NAD 83(91) OUTAGAMIE COUNTY





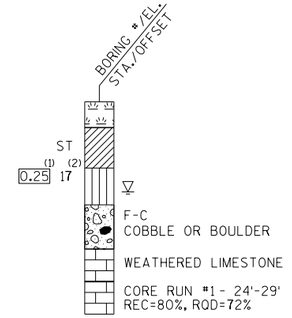
STATE PROJECT NUMBER

1146-75-73

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-44-123

DRAWN BY TLP/SAD | PLANS CK'D. JJS

SUBSURFACE EXPLORATION

SHEET 6

496

SCALE = 30.00

8

8

EB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			NCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT 1.00	EXPANDED FILL 1.00	EXPANDED ROCK 1.00
100+78.57	10078.57	0.00	68.27	0.00	0.00	0	0	0	0	0	0
100+80.00	10080.00	1.43	69.74	0.00	0.00	4	0	0	4	0	0
100+85.00	10085.00	5.00	75.06	0.00	0.00	13	0	0	17	0	0
100+90.00	10090.00	5.00	80.69	0.00	0.00	14	0	0	31	0	0
100+95.00	10095.00	5.00	84.01	0.00	0.00	15	0	0	46	0	0
101+00.00	10100.00	5.00	82.65	0.00	0.00	15	0	0	61	0	0
101+05.00	10105.00	5.00	81.13	0.00	0.00	15	0	0	76	0	0
101+10.00	10110.00	5.00	82.98	0.00	0.00	15	0	0	91	0	0
101+15.00	10115.00	5.00	85.12	0.00	0.00	16	0	0	107	0	0
101+20.00	10120.00	5.00	87.99	0.00	0.00	16	0	0	123	0	0
101+25.00	10125.00	5.00	93.97	0.00	0.00	17	0	0	140	0	0
101+30.00	10130.00	5.00	90.78	0.00	0.00	17	0	0	157	0	0
101+35.00	10135.00	5.00	75.77	2.08	0.00	15	0	0	172	0	0
101+40.00	10140.00	5.00	66.02	26.49	0.00	13	3	0	185	3	0
101+45.00	10145.00	5.00	59.16	83.66	0.00	12	10	0	197	13	0
101+50.00	10150.00	5.00	55.19	94.38	0.00	11	16	0	208	29	0
101+55.00	10155.00	5.00	53.43	112.33	0.00	10	19	0	218	48	0
101+60.00	10160.00	5.00	50.81	88.64	0.00	10	19	0	228	67	0
101+65.00	10165.00	5.00	61.02	60.58	0.00	10	14	0	238	81	0
101+70.00	10170.00	5.00	89.46	41.25	0.00	14	9	0	252	90	0
101+75.00	10175.00	5.00	121.44	28.02	0.00	20	6	0	272	96	0
101+80.00	10180.00	5.00	149.86	38.12	0.00	25	6	0	297	102	0
101+80.22	10180.22	0.22	171.69	39.94	0.00	1	0	0	298	102	0
102+00.00	10200.00	19.78	231.33	23.05	0.00	148	23	0	446	125	0
103+00.00	10300.00	100.00	209.71	14.40	0.00	817	69	0	1,263	194	0
104+00.00	10400.00	100.00	235.28	0.93	0.00	824	28	0	2,087	222	0
105+00.00	10500.00	100.00	250.67	0.00	0.00	900	2	0	2,987	224	0
106+00.00	10600.00	100.00	380.73	0.00	0.00	1,169	0	0	4,156	224	0
107+00.00	10700.00	100.00	353.78	0.00	0.00	1,360	0	0	5,516	224	0
108+00.00	10800.00	100.00	331.84	0.00	0.00	1,270	0	0	6,786	224	0
108+55.81	10855.81	55.81	309.66	0.00	0.00	663	0	0	7,449	224	0
108+60.00	10860.00	4.19	308.61	0.00	0.00	48	0	0	7,497	224	0
108+65.00	10865.00	5.00	306.90	0.00	0.00	57	0	0	7,554	224	0
108+70.00	10870.00	5.00	305.19	0.00	0.00	57	0	0	7,611	224	0
108+75.00	10875.00	5.00	303.37	0.00	0.00	56	0	0	7,667	224	0
108+80.00	10880.00	5.00	301.76	0.00	0.00	56	0	0	7,723	224	0
108+85.00	10885.00	5.00	300.58	0.00	0.00	56	0	0	7,779	224	0
108+90.00	10890.00	5.00	300.06	0.00	0.00	56	0	0	7,835	224	0
108+95.00	10895.00	5.00	300.15	0.00	0.00	56	0	0	7,891	224	0
109+00.00	10900.00	5.00	300.38	0.00	0.00	56	0	0	7,947	224	0

9

9

PROJECT NO: 1146-75-73 | HWY: STH 15 | COUNTY: OUTAGAMIE | EARTHWORK DATA - STH 15 EB | SHEET 497 | E

EB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT 1.00	EXPANDED FILL 1.00	EXPANDED ROCK 1.00
109+05.00	10905.00	5.00	300.66	0.00	0.00	56	0	0	8,003	224	0
109+10.00	10910.00	5.00	300.85	0.00	0.00	56	0	0	8,059	224	0
109+15.00	10915.00	5.00	300.86	0.00	0.00	56	0	0	8,115	224	0
109+20.00	10920.00	5.00	301.92	0.00	0.00	56	0	0	8,171	224	0
109+25.00	10925.00	5.00	304.30	0.00	0.00	56	0	0	8,227	224	0
109+30.00	10930.00	5.00	307.79	0.00	0.00	57	0	0	8,284	224	0
109+35.00	10935.00	5.00	308.73	0.00	0.00	57	0	0	8,341	224	0
109+40.00	10940.00	5.00	312.16	0.00	0.00	57	0	0	8,398	224	0
109+45.00	10945.00	5.00	316.06	0.00	0.00	58	0	0	8,456	224	0
109+50.00	10950.00	5.00	313.64	0.00	0.00	58	0	0	8,514	224	0
109+55.00	10955.00	5.00	310.17	0.00	0.00	58	0	0	8,572	224	0
109+60.00	10960.00	5.00	308.20	0.00	0.00	57	0	0	8,629	224	0
109+65.00	10965.00	5.00	309.53	0.00	0.00	57	0	0	8,686	224	0
109+70.00	10970.00	5.00	307.32	0.00	0.00	57	0	0	8,743	224	0
109+75.00	10975.00	5.00	304.58	0.00	0.00	57	0	0	8,800	224	0
109+80.00	10980.00	5.00	303.26	0.00	0.00	56	0	0	8,856	224	0
109+85.00	10985.00	5.00	303.43	0.00	0.00	56	0	0	8,912	224	0
109+85.83	10985.83	0.83	303.61	0.00	0.00	9	0	0	8,921	224	0
110+00.00	11000.00	14.17	310.53	0.00	0.00	161	0	0	9,082	224	0
111+00.00	11100.00	100.00	378.92	0.00	0.00	1,277	0	0	10,359	224	0
112+00.00	11200.00	100.00	442.77	0.00	0.00	1,522	0	0	11,881	224	0
112+91.35	11291.35	91.35	428.23	0.00	0.00	1,473	0	0	13,354	224	0
113+00.00	11300.00	8.65	417.95	0.00	0.00	136	0	0	13,490	224	0
114+00.00	11400.00	100.00	307.62	0.00	0.00	1,344	0	0	14,834	224	0
115+00.00	11500.00	100.00	197.76	4.50	0.00	936	8	0	15,770	232	0
116+00.00	11600.00	100.00	178.55	75.60	0.00	697	148	0	16,467	380	0
117+00.00	11700.00	100.00	191.93	97.31	0.00	686	320	0	17,153	700	0
118+00.00	11800.00	100.00	173.30	152.69	0.00	676	463	0	17,829	1,163	0
118+35.19	11835.19	35.19	169.91	190.14	0.00	224	223	0	18,053	1,386	0
119+00.00	11900.00	64.81	112.49	139.72	0.00	339	396	0	18,392	1,782	0
120+00.00	12000.00	100.00	194.49	152.37	0.00	568	541	0	18,960	2,323	0
120+93.90	12093.90	93.90	225.10	13.69	0.00	730	289	0	19,690	2,612	0
120+95.00	12095.00	1.10	225.88	12.38	0.00	9	1	0	19,699	2,613	0
121+00.00	12100.00	5.00	228.81	6.72	0.00	42	2	0	19,741	2,615	0
121+05.00	12105.00	5.00	231.24	2.29	0.00	43	1	0	19,784	2,616	0
121+10.00	12110.00	5.00	233.03	0.14	0.00	43	0	0	19,827	2,616	0
121+15.00	12115.00	5.00	234.03	0.00	0.00	43	0	0	19,870	2,616	0
121+20.00	12120.00	5.00	234.37	0.00	0.00	43	0	0	19,913	2,616	0
121+25.00	12125.00	5.00	234.29	0.00	0.00	43	0	0	19,956	2,616	0
121+30.00	12130.00	5.00	227.17	0.00	0.00	43	0	0	19,999	2,616	0

EB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			NCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT 1.00	EXPANDED FILL 1.00	EXPANDED ROCK 1.00
121+35.00	12135.00	5.00	226.76	0.00	0.00	42	0	0	20,041	2,616	0
121+40.00	12140.00	5.00	227.27	0.00	0.00	42	0	0	20,083	2,616	0
121+45.00	12145.00	5.00	228.02	0.00	0.00	42	0	0	20,125	2,616	0
121+50.00	12150.00	5.00	228.41	0.00	0.00	42	0	0	20,167	2,616	0
121+55.00	12155.00	5.00	229.54	0.00	0.00	42	0	0	20,209	2,616	0
121+60.00	12160.00	5.00	231.07	0.00	0.00	43	0	0	20,252	2,616	0
121+65.00	12165.00	5.00	232.60	0.00	0.00	43	0	0	20,295	2,616	0
121+70.00	12170.00	5.00	234.77	0.00	0.00	43	0	0	20,338	2,616	0
121+75.00	12175.00	5.00	241.86	0.00	0.00	44	0	0	20,382	2,616	0
121+80.00	12180.00	5.00	245.47	0.00	0.00	45	0	0	20,427	2,616	0
121+85.00	12185.00	5.00	244.52	0.00	0.00	45	0	0	20,472	2,616	0
121+90.00	12190.00	5.00	241.41	0.11	0.00	45	0	0	20,517	2,616	0
121+95.00	12195.00	5.00	238.53	1.65	0.00	44	0	0	20,561	2,616	0
122+00.00	12200.00	5.00	236.67	4.63	0.00	44	1	0	20,605	2,617	0
122+05.00	12205.00	5.00	240.81	7.99	0.00	44	1	0	20,649	2,618	0
122+10.00	12210.00	5.00	245.97	9.51	0.00	45	2	0	20,694	2,620	0
122+15.00	12215.00	5.00	249.55	9.79	0.00	46	2	0	20,740	2,622	0
122+20.00	12220.00	5.00	250.99	9.53	0.00	46	2	0	20,786	2,624	0
122+23.90	12223.90	3.90	253.10	8.91	0.00	36	1	0	20,822	2,625	0
123+00.00	12300.00	76.10	265.74	2.05	0.00	731	15	0	21,553	2,640	0
124+00.00	12400.00	100.00	213.30	2.13	0.00	887	8	0	22,440	2,648	0
125+00.00	12500.00	100.00	193.14	74.88	0.00	753	143	0	23,193	2,791	0
126+00.00	12600.00	100.00	299.76	10.80	0.00	913	159	0	24,106	2,950	0
127+00.00	12700.00	100.00	356.65	0.00	0.00	1,216	20	0	25,322	2,970	0
128+00.00	12800.00	100.00	453.11	0.00	0.00	1,500	0	0	26,822	2,970	0
129+00.00	12900.00	100.00	595.33	0.00	0.00	1,942	0	0	28,764	2,970	0
129+15.55	12915.55	15.55	628.98	0.00	0.00	353	0	0	29,117	2,970	0
130+00.00	13000.00	84.45	721.36	0.00	0.00	2,112	0	0	31,229	2,970	0
131+00.00	13100.00	100.00	749.64	0.00	0.00	2,724	0	0	33,953	2,970	0
132+00.00	13200.00	100.00	641.74	0.00	0.00	2,577	0	0	36,530	2,970	0
133+00.00	13300.00	100.00	517.47	0.00	0.00	2,147	0	0	38,677	2,970	0
134+00.00	13400.00	100.00	420.64	3.45	0.00	1,737	6	0	40,414	2,976	0
135+00.00	13500.00	100.00	389.22	0.00	0.00	1,500	6	0	41,914	2,982	0
136+00.00	13600.00	100.00	502.20	0.00	0.00	1,651	0	0	43,565	2,982	0
137+00.00	13700.00	100.00	357.18	0.00	0.00	1,591	0	0	45,156	2,982	0
138+00.00	13800.00	100.00	213.55	5.02	0.00	1,057	9	0	46,213	2,991	0
139+00.00	13900.00	100.00	154.27	31.54	0.00	681	68	0	46,894	3,059	0
140+00.00	14000.00	100.00	156.35	39.92	0.00	575	132	0	47,469	3,191	0
141+00.00	14100.00	100.00	144.31	68.27	0.00	557	200	0	48,026	3,391	0
141+29.67	14129.67	29.67	136.67	107.77	0.00	154	97	0	48,180	3,488	0

9

9

PROJECT NO: 1146-75-73 | HWY: STH 15 | COUNTY: OUTAGAMIE | EARTHWORK DATA - STH 15 EB | SHEET 499 | E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090101_EW.DWG
LAYOUT NAME - 03

PLOT DATE : 4/20/2023 2:55 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1" = 1'

EB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT	EXPANDED FILL	EXPANDED ROCK
									1.00	1.00	1.00
142+00.00	14200.00	70.33	173.66	58.32	0.00	404	216	0	48,584	3,704	0
143+00.00	14300.00	100.00	279.95	17.45	0.00	840	140	0	49,424	3,844	0
144+00.00	14400.00	100.00	307.89	13.13	0.00	1,089	57	0	50,513	3,901	0
145+00.00	14500.00	100.00	250.81	6.71	0.00	1,035	37	0	51,548	3,938	0
146+00.00	14600.00	100.00	235.47	0.03	0.00	901	12	0	52,449	3,950	0
146+93.42	14693.42	93.42	212.19	13.99	0.00	774	24	0	53,223	3,974	0
146+95.00	14695.00	1.58	200.41	14.25	0.00	12	1	0	53,235	3,975	0
147+00.00	14700.00	5.00	205.29	14.98	0.00	38	3	0	53,273	3,978	0
147+05.00	14705.00	5.00	206.18	16.41	0.00	38	3	0	53,311	3,981	0
147+10.00	14710.00	5.00	196.83	16.80	0.00	37	3	0	53,348	3,984	0
147+15.00	14715.00	5.00	169.58	15.85	0.00	34	3	0	53,382	3,987	0
147+20.00	14720.00	5.00	138.47	13.34	0.00	29	3	0	53,411	3,990	0
147+25.00	14725.00	5.00	118.67	8.80	0.00	24	2	0	53,435	3,992	0
147+30.00	14730.00	5.00	112.33	0.65	0.00	21	1	0	53,456	3,993	0
147+35.00	14735.00	5.00	98.25	0.73	0.00	19	0	0	53,475	3,993	0
147+40.00	14740.00	5.00	80.91	0.84	0.00	17	0	0	53,492	3,993	0
147+45.00	14745.00	5.00	65.91	0.95	0.00	14	0	0	53,506	3,993	0
147+50.00	14750.00	5.00	53.36	1.10	0.00	11	0	0	53,517	3,993	0
147+55.00	14755.00	5.00	43.89	1.49	0.00	9	0	0	53,526	3,993	0
147+60.00	14760.00	5.00	38.69	2.24	0.00	8	0	0	53,534	3,993	0
147+65.00	14765.00	5.00	38.13	1.94	0.00	7	0	0	53,541	3,993	0
147+70.00	14770.00	5.00	38.02	4.31	0.00	7	1	0	53,548	3,994	0
147+75.00	14775.00	5.00	41.61	5.38	0.00	7	1	0	53,555	3,995	0
147+80.00	14780.00	5.00	49.37	6.38	0.00	8	1	0	53,563	3,996	0
147+85.00	14785.00	5.00	62.58	7.13	0.00	10	1	0	53,573	3,997	0
147+90.00	14790.00	5.00	77.87	7.97	0.00	13	1	0	53,586	3,998	0
147+95.00	14795.00	5.00	85.79	9.32	0.00	15	2	0	53,601	4,000	0
148+00.00	14800.00	5.00	112.33	11.15	0.00	18	2	0	53,619	4,002	0
148+05.00	14805.00	5.00	157.08	12.61	0.00	25	2	0	53,644	4,004	0
148+10.00	14810.00	5.00	185.47	14.19	0.00	32	2	0	53,676	4,006	0
148+15.00	14815.00	5.00	191.10	19.78	0.00	35	3	0	53,711	4,009	0
148+18.24	14818.24	3.24	189.30	18.00	0.00	23	2	0	53,734	4,011	0
149+00.00	14900.00	81.76	331.24	18.21	0.00	788	55	0	54,522	4,066	0
150+00.00	15000.00	100.00	437.29	0.00	0.00	1,423	34	0	55,945	4,100	0
151+00.00	15100.00	100.00	501.40	0.00	0.00	1,738	0	0	57,683	4,100	0
152+00.00	15200.00	100.00	935.86	0.00	0.00	2,662	0	0	60,345	4,100	0
153+00.00	15300.00	100.00	535.31	0.00	0.00	2,724	0	0	63,069	4,100	0
154+00.00	15400.00	100.00	444.15	0.00	0.00	1,814	0	0	64,883	4,100	0
155+00.00	15500.00	100.00	333.05	5.47	0.00	1,439	10	0	66,322	4,110	0
156+00.00	15600.00	100.00	213.32	170.32	0.00	1,012	326	0	67,334	4,436	0

EB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			NCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT	EXPANDED FILL	EXPANDED ROCK
									1.00	1.00	1.00
157+00.00	15700.00	100.00	224.04	155.63	0.00	810	604	0	68,144	5,040	0
158+00.00	15800.00	100.00	185.32	87.91	0.00	758	451	0	68,902	5,491	0
158+98.74	15898.74	98.74	153.39	76.89	0.00	619	301	0	69,521	5,792	0
159+00.00	15900.00	1.26	151.56	75.31	0.00	7	4	0	69,528	5,796	0
160+00.00	16000.00	100.00	115.28	86.96	0.00	494	300	0	70,022	6,096	0
160+94.68	16094.68	94.68	65.85	141.27	0.00	318	400	0	70,340	6,496	0
161+00.00	16100.00	5.32	65.43	136.10	0.00	13	27	0	70,353	6,523	0
162+00.00	16200.00	100.00	76.50	92.97	0.00	263	424	0	70,616	6,947	0
163+00.00	16300.00	100.00	82.62	80.84	0.00	295	322	0	70,911	7,269	0
164+00.00	16400.00	100.00	101.66	51.41	0.00	341	245	0	71,252	7,514	0
165+00.00	16500.00	100.00	138.00	27.63	0.00	444	146	0	71,696	7,660	0
166+00.00	16600.00	100.00	179.52	21.87	0.00	588	92	0	72,284	7,752	0
167+00.00	16700.00	100.00	250.41	7.08	0.00	796	54	0	73,080	7,806	0
167+99.99	16799.99	99.99	271.69	2.00	0.00	967	17	0	74,047	7,823	0
169+00.00	16900.00	100.01	297.84	1.07	0.00	1,055	6	0	75,102	7,829	0
170+00.00	17000.00	100.00	297.45	0.01	0.00	1,102	2	0	76,204	7,831	0
171+00.00	17100.00	100.00	265.83	0.34	0.00	1,043	1	0	77,247	7,832	0
172+00.00	17200.00	100.00	238.26	3.78	0.00	934	8	0	78,181	7,840	0
173+00.00	17300.00	100.00	224.00	8.57	0.00	856	23	0	79,037	7,863	0
173+66.95	17366.95	66.95	293.99	6.79	0.00	642	19	0	79,679	7,882	0
174+00.00	17400.00	33.05	220.14	6.96	0.00	315	8	0	79,994	7,890	0
175+00.00	17500.00	100.00	190.31	17.08	0.00	760	45	0	80,754	7,935	0
176+00.00	17600.00	100.00	178.69	25.57	0.00	683	79	0	81,437	8,014	0
177+00.00	17700.00	100.00	156.75	32.47	0.00	621	107	0	82,058	8,121	0
177+88.35	17788.35	88.35	189.62	8.61	0.00	567	67	0	82,625	8,188	0
178+00.00	17800.00	11.65	176.87	34.08	0.00	79	9	0	82,704	8,197	0
179+00.00	17900.00	100.00	126.29	43.93	0.00	561	144	0	83,265	8,341	0
180+00.00	18000.00	100.00	104.37	58.57	0.00	427	190	0	83,692	8,531	0
181+00.00	18100.00	100.00	82.36	70.88	0.00	346	240	0	84,038	8,771	0
182+00.00	18200.00	100.00	75.34	95.81	0.00	292	309	0	84,330	9,080	0
182+75.83	18275.83	75.83	68.12	117.50	0.00	201	300	0	84,531	9,380	0
183+00.00	18300.00	24.17	61.58	116.09	0.00	58	105	0	84,589	9,485	0
184+00.00	18400.00	100.00	53.37	126.31	0.00	213	449	0	84,802	9,934	0
185+00.00	18500.00	100.00	45.27	133.70	0.00	183	481	0	84,985	10,415	0
186+00.00	18600.00	100.00	96.95	138.47	0.00	263	504	0	85,248	10,919	0
186+06.63	18606.63	6.63	96.97	137.35	0.00	24	34	0	85,272	10,953	0
187+00.00	18700.00	93.37	17.43	143.04	0.00	198	485	0	85,470	11,438	0
188+00.00	18800.00	100.00	8.92	140.44	0.00	49	525	0	85,519	11,963	0
189+00.00	18900.00	100.00	6.62	141.49	0.00	29	522	0	85,548	12,485	0
190+00.00	19000.00	100.00	4.37	115.48	0.00	20	476	0	85,568	12,961	0

EB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			NCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT	EXPANDED FILL	EXPANDED ROCK
									1.00	1.00	1.00
191+00.00	19100.00	100.00	11.48	86.87	0.00	29	375	0	85,597	13,336	0
192+00.00	19200.00	100.00	70.78	67.61	0.00	152	286	0	85,749	13,622	0
193+00.00	19300.00	100.00	73.33	81.16	0.00	267	276	0	86,016	13,898	0
194+00.00	19400.00	100.00	49.57	106.20	0.00	228	347	0	86,244	14,245	0
194+86.59	19486.59	86.59	59.49	60.82	0.00	175	268	0	86,419	14,513	0
194+99.50	19499.50	12.91	50.51	54.89	0.00	26	28	0	86,445	14,541	0
196+00.00	19600.00	100.50	18.25	90.97	0.00	128	271	0	86,573	14,812	0
196+88.85	19688.85	88.85	34.74	221.65	0.00	87	514	0	86,660	15,326	0
197+00.00	19700.00	11.15	40.46	216.52	0.00	16	90	0	86,676	15,416	0
198+00.00	19800.00	100.00	2.57	250.81	0.00	80	865	0	86,756	16,281	0
199+00.00	19900.00	100.00	0.00	306.31	0.00	5	1,032	0	86,761	17,313	0
200+00.00	20000.00	100.00	6.34	390.54	0.00	12	1,290	0	86,773	18,603	0
201+00.00	20100.00	100.00	0.00	498.39	0.00	12	1,646	0	86,785	20,249	0
202+00.00	20200.00	100.00	3.31	476.97	0.00	6	1,806	0	86,791	22,055	0
203+00.00	20300.00	100.00	45.76	442.31	34.84	91	1,702	65	86,882	23,692	65
204+00.00	20400.00	100.00	59.36	387.86	145.42	195	1,537	334	87,077	24,895	399
205+00.00	20500.00	100.00	115.55	318.43	580.59	324	1,308	1,344	87,401	24,859	1,743
206+00.00	20600.00	100.00	117.49	268.53	1054.38	432	1,087	3,028	87,833	22,918	4,771
207+00.00	20700.00	100.00	135.13	163.70	1650.50	468	800	5,009	88,301	18,709	9,780
208+00.00	20800.00	100.00	145.34	105.70	1769.53	519	499	6,333	88,820	12,875	16,113
209+00.00	20900.00	100.00	151.63	43.81	1491.48	550	277	6,039	89,370	7,113	22,152
210+00.00	21000.00	100.00	146.90	14.72	1053.24	553	108	4,712	89,923	2,509	26,864
211+00.00	21100.00	100.00	147.06	2.53	740.50	544	32	3,322	90,467	-781	30,186
212+00.00	21200.00	100.00	143.77	3.06	552.39	539	10	2,394	91,006	-3,165	32,580
213+00.00	21300.00	100.00	144.03	0.00	468.95	533	6	1,891	91,539	-5,050	34,471
214+00.00	21400.00	100.00	210.16	0.00	504.16	656	0	1,802	92,195	-6,852	36,273
215+00.00	21500.00	100.00	179.68	0.00	824.16	722	0	2,460	92,917	-9,312	38,733
216+00.00	21600.00	100.00	150.30	0.00	572.41	611	0	2,586	93,528	-11,898	41,319
216+65.54	21665.54	65.54	149.93	0.00	536.56	364	0	1,346	93,892	-13,244	42,665
217+00.00	21700.00	34.46	148.61	0.00	491.20	191	0	656	94,083	-13,900	43,321
218+00.00	21800.00	100.00	357.11	0.00	361.80	937	0	1,580	95,020	-15,480	44,901
218+40.00	21840.00	40.00	696.87	0.00	51.04	781	0	306	95,801	-15,786	45,207
219+00.00	21900.00	60.00	653.84	0.00	0.00	1,501	0	57	97,302	-15,843	45,264
220+00.00	22000.00	100.00	871.88	0.00	0.00	2,825	0	0	100,127	-15,843	45,264
221+00.00	22100.00	100.00	542.94	0.00	0.00	2,620	0	0	102,747	-15,843	45,264
222+00.00	22200.00	100.00	213.27	0.00	0.00	1,400	0	0	104,147	-15,843	45,264
223+00.00	22300.00	100.00	198.88	0.00	0.00	763	0	0	104,910	-15,843	45,264
224+00.00	22400.00	100.00	86.28	9.19	0.00	528	17	0	105,438	-15,826	45,264
225+00.00	22500.00	100.00	45.78	42.90	0.00	245	96	0	105,683	-15,730	45,264
226+00.00	22600.00	100.00	109.61	11.80	0.00	288	101	0	105,971	-15,629	45,264

EB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT	EXPANDED FILL	EXPANDED ROCK
									1.00	1.00	1.00
227+00.00	22700.00	100.00	130.42	81.99	0.00	445	174	0	106,416	-15,455	45,264
228+00.00	22800.00	100.00	174.05	123.20	0.00	564	380	0	106,980	-15,075	45,264
228+78.43	22878.43	78.43	303.29	138.91	0.00	693	381	0	107,673	-14,694	45,264
229+00.00	22900.00	21.57	284.13	77.05	0.00	235	86	0	107,908	-14,608	45,264
230+00.00	23000.00	100.00	334.27	7.69	0.00	1,145	157	0	109,053	-14,451	45,264
231+00.00	23100.00	100.00	524.21	0.06	0.00	1,590	14	0	110,643	-14,437	45,264
231+37.85	23137.85	37.85	451.32	0.53	0.00	684	0	0	111,327	-14,437	45,264
231+40.00	23140.00	2.15	444.09	0.53	0.00	36	0	0	111,363	-14,437	45,264
231+45.00	23145.00	5.00	421.80	0.65	0.00	80	0	0	111,443	-14,437	45,264
231+50.00	23150.00	5.00	403.52	5.46	0.00	76	1	0	111,519	-14,436	45,264
231+55.00	23155.00	5.00	379.72	4.81	0.00	73	1	0	111,592	-14,435	45,264
231+60.00	23160.00	5.00	346.20	4.00	0.00	67	1	0	111,659	-14,434	45,264
231+65.00	23165.00	5.00	316.10	2.98	0.00	61	1	0	111,720	-14,433	45,264
231+70.00	23170.00	5.00	295.52	1.86	0.00	57	0	0	111,777	-14,433	45,264
231+75.00	23175.00	5.00	279.48	0.87	0.00	53	0	0	111,830	-14,433	45,264
231+80.00	23180.00	5.00	269.09	0.37	0.00	51	0	0	111,881	-14,433	45,264
231+85.00	23185.00	5.00	249.88	0.00	0.00	48	0	0	111,929	-14,433	45,264
231+90.00	23190.00	5.00	241.98	0.00	0.00	46	0	0	111,975	-14,433	45,264
231+95.00	23195.00	5.00	237.65	0.00	0.00	44	0	0	112,019	-14,433	45,264
232+00.00	23200.00	5.00	219.73	0.00	0.00	42	0	0	112,061	-14,433	45,264
232+05.00	23205.00	5.00	204.83	0.00	0.00	39	0	0	112,100	-14,433	45,264
232+10.00	23210.00	5.00	189.82	0.00	0.00	37	0	0	112,137	-14,433	45,264
232+15.00	23215.00	5.00	172.59	0.00	0.00	34	0	0	112,171	-14,433	45,264
232+20.00	23220.00	5.00	190.47	0.00	0.00	34	0	0	112,205	-14,433	45,264
232+25.00	23225.00	5.00	215.69	0.00	0.00	38	0	0	112,243	-14,433	45,264
232+30.00	23230.00	5.00	237.83	0.00	0.00	42	0	0	112,285	-14,433	45,264
232+35.00	23235.00	5.00	231.82	0.00	0.00	43	0	0	112,328	-14,433	45,264
232+40.00	23240.00	5.00	207.73	0.00	0.00	41	0	0	112,369	-14,433	45,264
232+45.00	23245.00	5.00	232.34	0.00	0.00	41	0	0	112,410	-14,433	45,264
232+50.00	23250.00	5.00	288.05	0.00	0.00	48	0	0	112,458	-14,433	45,264
232+55.00	23255.00	5.00	303.02	0.00	0.00	55	0	0	112,513	-14,433	45,264
232+60.00	23260.00	5.00	298.29	0.00	0.00	56	0	0	112,569	-14,433	45,264
232+65.00	23265.00	5.00	293.39	0.00	0.00	55	0	0	112,624	-14,433	45,264
232+70.00	23270.00	5.00	290.43	0.00	0.00	54	0	0	112,678	-14,433	45,264
232+70.68	23270.68	0.68	293.25	0.00	0.00	7	0	0	112,685	-14,433	45,264
233+00.00	23300.00	29.32	335.80	0.00	0.00	342	0	0	113,027	-14,433	45,264
234+00.00	23400.00	100.00	419.25	0.00	0.00	1,398	0	0	114,425	-14,433	45,264
235+00.00	23500.00	100.00	811.50	0.00	0.00	2,279	0	0	116,704	-14,433	45,264
236+00.00	23600.00	100.00	733.78	0.00	0.00	2,862	0	0	119,566	-14,433	45,264
237+00.00	23700.00	100.00	721.24	0.00	0.00	2,694	0	0	122,260	-14,433	45,264

EB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT 1.00	EXPANDED FILL 1.00	EXPANDED ROCK 1.00
238+00.00	23800.00	100.00	488.11	0.00	0.00	2,240	0	0	124,500	-14,433	45,264
239+00.00	23900.00	100.00	327.81	0.00	0.00	1,511	0	0	126,011	-14,433	45,264
240+00.00	24000.00	100.00	274.86	0.00	0.00	1,116	0	0	127,127	-14,433	45,264
241+00.00	24100.00	100.00	344.06	0.00	0.00	1,146	0	0	128,273	-14,433	45,264
242+00.00	24200.00	100.00	363.92	0.00	0.00	1,311	0	0	129,584	-14,433	45,264
243+00.00	24300.00	100.00	472.39	0.00	0.00	1,549	0	0	131,133	-14,433	45,264
243+29.12	24329.12	29.12	497.35	0.00	0.00	523	0	0	131,656	-14,433	45,264
244+00.00	24400.00	70.88	391.91	0.78	0.00	1,167	1	0	132,823	-14,432	45,264
245+00.00	24500.00	100.00	420.80	0.00	0.00	1,505	1	0	134,328	-14,431	45,264
245+42.20	24542.20	42.20	382.59	0.00	0.00	628	0	0	134,956	-14,431	45,264
246+00.00	24600.00	57.80	417.41	0.00	0.00	856	0	0	135,812	-14,431	45,264
247+00.00	24700.00	100.00	412.72	3.92	0.00	1,537	7	0	137,349	-14,424	45,264
248+00.00	24800.00	100.00	408.18	5.64	0.00	1,520	18	0	138,869	-14,406	45,264
249+00.00	24900.00	100.00	426.23	0.07	0.00	1,545	11	0	140,414	-14,395	45,264
250+00.00	25000.00	100.00	416.56	0.00	0.00	1,561	0	0	141,975	-14,395	45,264
250+44.53	25044.53	44.53	322.95	0.01	0.00	610	0	0	142,585	-14,395	45,264
251+00.00	25100.00	55.47	316.54	0.57	0.00	657	1	0	143,242	-14,394	45,264
252+00.00	25200.00	100.00	252.70	10.30	0.00	1,054	20	0	144,296	-14,374	45,264
253+00.00	25300.00	100.00	168.76	23.42	0.00	780	62	0	145,076	-14,312	45,264
254+00.00	25400.00	100.00	152.82	38.40	0.00	596	114	0	145,672	-14,198	45,264
255+00.00	25500.00	100.00	174.95	31.55	0.00	607	130	0	146,279	-14,068	45,264
255+99.99	25599.99	99.99	98.22	0.42	0.00	506	59	0	146,785	-14,009	45,264

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PROJECT NO: 1146-75-73 | HWY: STH 15 | COUNTY: OUTAGAMIE | EARTHWORK DATA - STH 15 EB | SHEET 504 | E

WB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT 1.00	EXPANDED FILL 1.00	EXPANDED ROCK 1.00
100+90.00	10090.00	0.00	35.22	0.00	0.00	0	0	0	0	0	0
100+95.00	10095.00	5.00	48.65	0.00	0.00	8	0	0	8	0	0
101+00.00	10100.00	5.00	61.00	0.00	0.00	10	0	0	18	0	0
101+05.00	10105.00	5.00	73.18	0.00	0.00	12	0	0	30	0	0
101+10.00	10110.00	5.00	85.12	0.00	0.00	15	0	0	45	0	0
101+15.00	10115.00	5.00	99.01	0.00	0.00	17	0	0	62	0	0
101+20.00	10120.00	5.00	100.33	0.46	0.00	18	0	0	80	0	0
101+25.00	10125.00	5.00	107.68	0.51	0.00	19	0	0	99	0	0
101+30.00	10130.00	5.00	120.77	0.55	0.00	21	0	0	120	0	0
101+35.00	10135.00	5.00	127.60	0.59	0.00	23	0	0	143	0	0
101+40.00	10140.00	5.00	128.19	0.63	0.00	24	0	0	167	0	0
101+45.00	10145.00	5.00	125.72	0.68	0.00	24	0	0	191	0	0
101+50.00	10150.00	5.00	121.10	0.73	0.00	23	0	0	214	0	0
101+55.00	10155.00	5.00	117.55	0.77	0.00	22	0	0	236	0	0
101+60.00	10160.00	5.00	112.70	0.83	0.00	21	0	0	257	0	0
101+65.00	10165.00	5.00	107.13	0.89	0.00	20	0	0	277	0	0
101+70.00	10170.00	5.00	103.42	0.95	0.00	19	0	0	296	0	0
101+75.00	10175.00	5.00	99.96	1.03	0.00	19	0	0	315	0	0
101+80.00	10180.00	5.00	98.56	1.14	0.00	18	0	0	333	0	0
101+80.22	10180.22	0.22	98.51	1.15	0.00	1	0	0	334	0	0
102+00.00	10200.00	19.78	114.35	2.14	0.00	78	1	0	412	1	0
103+00.00	10300.00	100.00	109.18	9.51	0.00	414	22	0	826	23	0
104+00.00	10400.00	100.00	129.25	0.00	0.00	442	18	0	1,268	41	0
105+00.00	10500.00	100.00	132.50	0.00	0.00	485	0	0	1,753	41	0
105+92.09	10592.09	92.09	144.40	0.00	0.00	472	0	0	2,225	41	0
106+00.00	10600.00	7.91	150.50	0.00	0.00	43	0	0	2,268	41	0
107+00.00	10700.00	100.00	128.23	0.00	0.00	516	0	0	2,784	41	0
108+00.00	10800.00	100.00	114.38	0.00	0.00	449	0	0	3,233	41	0
108+55.81	10855.81	55.81	108.21	8.63	0.00	230	9	0	3,463	50	0
108+60.00	10860.00	4.19	102.07	10.91	0.00	16	2	0	3,479	52	0
108+65.00	10865.00	5.00	100.44	11.24	0.00	19	2	0	3,498	54	0
108+70.00	10870.00	5.00	87.21	13.52	0.00	17	2	0	3,515	56	0
108+75.00	10875.00	5.00	86.70	18.67	0.00	16	3	0	3,531	59	0
108+80.00	10880.00	5.00	89.19	14.24	0.00	16	3	0	3,547	62	0
108+85.00	10885.00	5.00	89.99	0.00	0.00	17	1	0	3,564	63	0
108+90.00	10890.00	5.00	91.80	0.00	0.00	17	0	0	3,581	63	0
108+95.00	10895.00	5.00	91.56	0.00	0.00	17	0	0	3,598	63	0
109+00.00	10900.00	5.00	91.71	0.00	0.00	17	0	0	3,615	63	0
109+05.00	10905.00	5.00	90.07	0.00	0.00	17	0	0	3,632	63	0
109+10.00	10910.00	5.00	87.17	0.00	0.00	16	0	0	3,648	63	0

WB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT 1.00	EXPANDED FILL 1.00	EXPANDED ROCK 1.00
109+15.00	10915.00	5.00	84.12	0.00	0.00	16	0	0	3,664	63	0
109+20.00	10920.00	5.00	86.81	0.00	0.00	16	0	0	3,680	63	0
109+25.00	10925.00	5.00	91.71	0.00	0.00	17	0	0	3,697	63	0
109+30.00	10930.00	5.00	96.54	0.00	0.00	17	0	0	3,714	63	0
109+35.00	10935.00	5.00	103.07	0.00	0.00	18	0	0	3,732	63	0
109+40.00	10940.00	5.00	110.35	0.00	0.00	20	0	0	3,752	63	0
109+45.00	10945.00	5.00	118.00	0.00	0.00	21	0	0	3,773	63	0
109+50.00	10950.00	5.00	121.38	6.62	0.00	22	1	0	3,795	64	0
109+55.00	10955.00	5.00	121.56	15.74	0.00	22	2	0	3,817	66	0
109+60.00	10960.00	5.00	122.98	8.62	0.00	23	2	0	3,840	68	0
109+65.00	10965.00	5.00	141.90	7.11	0.00	25	1	0	3,865	69	0
109+70.00	10970.00	5.00	153.91	6.67	0.00	27	1	0	3,892	70	0
109+75.00	10975.00	5.00	155.59	6.69	0.00	29	1	0	3,921	71	0
109+80.00	10980.00	5.00	158.17	6.10	0.00	29	1	0	3,950	72	0
109+85.00	10985.00	5.00	165.99	5.78	0.00	30	1	0	3,980	73	0
109+85.55	10985.55	0.55	172.85	5.24	0.00	3	0	0	3,983	73	0
110+00.00	11000.00	14.45	193.10	0.00	0.00	98	1	0	4,081	74	0
110+01.21	11001.21	1.21	193.12	0.00	0.00	9	0	0	4,090	74	0
111+00.00	11100.00	98.79	234.28	0.00	0.00	782	0	0	4,872	74	0
112+00.00	11200.00	100.00	294.67	0.00	0.00	980	0	0	5,852	74	0
113+00.00	11300.00	100.00	316.46	0.00	0.00	1,132	0	0	6,984	74	0
113+02.44	11302.44	2.44	310.35	0.00	0.00	28	0	0	7,012	74	0
113+48.69	11348.69	46.25	234.86	0.00	0.00	467	0	0	7,479	74	0
114+00.00	11400.00	51.31	184.73	0.00	0.00	399	0	0	7,878	74	0
115+00.00	11496.48	96.48	76.23	10.18	0.00	466	18	0	8,344	92	0
116+00.00	11596.48	100.00	12.10	230.84	0.00	164	446	0	8,508	538	0
116+68.16	11664.64	68.16	24.46	78.59	0.00	46	391	0	8,554	929	0
117+00.00	11696.48	31.84	0.00	422.38	0.00	14	295	0	8,568	1,224	0
118+00.00	11796.48	100.00	0.00	1027.20	0.00	0	2,684	0	8,568	3,908	0
118+36.07	11832.55	36.07	0.00	1018.32	0.00	0	1,366	0	8,568	5,274	0
119+00.00	11896.48	63.93	0.00	1048.15	0.00	0	2,446	0	8,568	7,720	0
120+00.00	11996.48	100.00	0.00	1169.72	0.00	0	4,107	0	8,568	11,827	0
120+68.90	12065.38	68.90	0.00	671.67	0.00	0	2,349	0	8,568	14,176	0
120+93.90	12090.39	25.01	0.00	417.13	0.00	0	504	0	8,568	14,680	0
120+95.00	12091.48	1.09	0.00	409.51	0.00	0	17	0	8,568	14,697	0
121+00.00	12096.48	5.00	0.00	385.13	0.00	0	74	0	8,568	14,771	0
121+05.00	12101.48	5.00	0.00	349.85	0.00	0	68	0	8,568	14,839	0
121+10.00	12106.48	5.00	0.00	314.79	0.00	0	62	0	8,568	14,901	0
121+15.00	12111.48	5.00	0.18	276.09	0.00	0	55	0	8,568	14,956	0
121+20.00	12116.48	5.00	2.19	225.18	0.00	0	46	0	8,568	15,002	0

WB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT 1.00	EXPANDED FILL 1.00	EXPANDED ROCK 1.00
121+25.00	12121.48	5.00	6.97	162.84	0.00	1	36	0	8,569	15,038	0
121+30.00	12126.48	5.00	10.59	107.99	0.00	2	25	0	8,571	15,063	0
121+35.00	12131.48	5.00	5.34	68.96	0.00	1	16	0	8,572	15,079	0
121+40.00	12136.48	5.00	6.39	36.85	0.00	1	10	0	8,573	15,089	0
121+45.00	12141.48	5.00	7.50	24.21	0.00	1	6	0	8,574	15,095	0
121+48.90	12145.39	3.91	42.57	436.51	0.00	4	33	0	8,578	15,128	0
121+50.00	12146.48	1.09	8.49	17.91	0.00	1	9	0	8,579	15,137	0
121+55.00	12151.48	5.00	8.11	20.78	0.00	2	4	0	8,581	15,141	0
121+60.00	12156.48	5.00	8.37	28.22	0.00	2	5	0	8,583	15,146	0
121+65.00	12161.48	5.00	9.28	40.99	0.00	2	6	0	8,585	15,152	0
121+70.00	12166.48	5.00	17.66	57.45	0.00	2	9	0	8,587	15,161	0
121+75.00	12171.48	5.00	17.19	79.65	0.00	3	13	0	8,590	15,174	0
121+80.00	12176.48	5.00	13.16	109.55	0.00	3	18	0	8,593	15,192	0
121+85.00	12181.48	5.00	7.42	145.60	0.00	2	24	0	8,595	15,216	0
121+90.00	12186.48	5.00	1.32	138.41	0.00	1	26	0	8,596	15,242	0
121+95.00	12191.48	5.00	4.77	109.11	0.00	1	23	0	8,597	15,265	0
122+00.00	12196.48	5.00	34.80	85.95	0.00	4	18	0	8,601	15,283	0
122+05.00	12201.48	5.00	63.08	65.38	0.00	9	14	0	8,610	15,297	0
122+10.00	12206.48	5.00	86.11	51.18	0.00	14	11	0	8,624	15,308	0
122+15.00	12211.48	5.00	96.06	48.97	0.00	17	9	0	8,641	15,317	0
122+20.00	12216.48	5.00	112.38	60.72	0.00	19	10	0	8,660	15,327	0
122+23.90	12220.39	3.91	128.17	63.33	0.00	17	9	0	8,677	15,336	0
123+00.00	12296.48	76.09	64.30	30.88	0.00	271	133	0	8,948	15,469	0
124+00.00	12396.48	100.00	0.03	152.84	0.00	119	340	0	9,067	15,809	0
125+00.00	12496.48	100.00	0.00	579.72	0.00	0	1,357	0	9,067	17,166	0
126+00.00	12596.48	100.00	0.00	262.48	0.00	0	1,560	0	9,067	18,726	0
127+00.00	12696.48	100.00	16.91	45.52	0.00	31	570	0	9,098	19,296	0
128+00.00	12796.48	100.00	126.83	3.96	0.00	266	92	0	9,364	19,388	0
129+00.00	12896.48	100.00	413.17	0.00	0.00	1,000	7	0	10,364	19,395	0
130+00.00	12996.48	100.00	826.19	0.00	0.00	2,295	0	0	12,659	19,395	0
131+00.00	13096.48	100.00	946.10	0.00	0.00	3,282	0	0	15,941	19,395	0
132+00.00	13196.48	100.00	788.02	0.00	0.00	3,211	0	0	19,152	19,395	0
133+00.00	13296.48	100.00	623.12	0.00	0.00	2,613	0	0	21,765	19,395	0
134+00.00	13396.48	100.00	579.70	0.00	0.00	2,227	0	0	23,992	19,395	0
135+00.00	13496.48	100.00	523.88	0.00	0.00	2,044	0	0	26,036	19,395	0
135+63.54	13560.02	63.54	575.54	0.00	0.00	1,294	0	0	27,330	19,395	0
136+00.00	13596.48	36.46	767.18	0.00	0.00	907	0	0	28,237	19,395	0
137+00.00	13696.48	100.00	262.88	0.00	0.00	1,908	0	0	30,145	19,395	0
138+00.00	13796.48	100.00	36.18	54.42	0.00	554	101	0	30,699	19,496	0
139+00.00	13896.48	100.00	7.69	272.48	0.00	81	605	0	30,780	20,101	0

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PROJECT NO: 1146-75-73 | HWY: STH 15 | COUNTY: OUTAGAMIE | EARTHWORK DATA | SHEET 507 | E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090101_EW.DWG
LAYOUT NAME - 11

PLOT DATE : 4/20/2023 2:55 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

WB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT 1.00	EXPANDED FILL 1.00	EXPANDED ROCK 1.00
140+00.00	13996.48	100.00	2.57	379.68	0.00	19	1,208	0	30,799	21,309	0
141+00.00	14096.48	100.00	0.00	552.47	0.00	5	1,726	0	30,804	23,035	0
141+96.71	14193.19	96.71	0.00	605.34	0.00	0	2,074	0	30,804	25,109	0
142+00.00	14196.48	3.29	0.00	601.76	0.00	0	74	0	30,804	25,183	0
142+20.00	14216.48	20.00	0.00	589.44	0.00	0	441	0	30,804	25,624	0
143+00.00	14296.48	80.00	0.00	272.59	0.00	0	1,277	0	30,804	26,901	0
144+00.00	14396.48	100.00	90.21	0.27	0.00	167	505	0	30,971	27,406	0
145+00.00	14496.48	100.00	143.24	2.00	0.00	432	4	0	31,403	27,410	0
146+00.00	14596.48	100.00	105.27	5.10	0.00	460	13	0	31,863	27,423	0
146+82.62	14679.10	82.62	81.64	16.15	0.00	286	33	0	32,149	27,456	0
146+85.00	14681.48	2.38	80.90	16.93	0.00	7	1	0	32,156	27,457	0
146+90.00	14686.48	5.00	79.53	17.21	0.00	15	3	0	32,171	27,460	0
146+95.00	14691.48	5.00	77.88	18.13	0.00	15	3	0	32,186	27,463	0
147+00.00	14696.48	5.00	76.05	17.86	0.00	14	3	0	32,200	27,466	0
147+05.00	14701.48	5.00	73.90	16.29	0.00	14	3	0	32,214	27,469	0
147+10.00	14706.48	5.00	71.94	12.74	0.00	14	3	0	32,228	27,472	0
147+15.00	14711.48	5.00	70.46	6.63	0.00	13	2	0	32,241	27,474	0
147+20.00	14716.48	5.00	68.83	0.00	0.00	13	1	0	32,254	27,475	0
147+25.00	14721.48	5.00	70.16	0.00	0.00	13	0	0	32,267	27,475	0
147+30.00	14726.48	5.00	70.51	0.00	0.00	13	0	0	32,280	27,475	0
147+35.00	14731.48	5.00	71.69	0.00	0.00	13	0	0	32,293	27,475	0
147+40.00	14736.48	5.00	73.04	0.00	0.00	13	0	0	32,306	27,475	0
147+45.00	14741.48	5.00	74.76	0.00	0.00	14	0	0	32,320	27,475	0
147+50.00	14746.48	5.00	76.58	0.00	0.00	14	0	0	32,334	27,475	0
147+55.00	14751.48	5.00	80.72	0.00	0.00	15	0	0	32,349	27,475	0
147+60.00	14756.48	5.00	87.73	0.00	0.00	16	0	0	32,365	27,475	0
147+65.00	14761.48	5.00	97.90	0.00	0.00	17	0	0	32,382	27,475	0
147+70.00	14766.48	5.00	108.44	0.00	0.00	19	0	0	32,401	27,475	0
147+75.00	14771.48	5.00	113.80	0.00	0.00	21	0	0	32,422	27,475	0
147+80.00	14776.48	5.00	113.06	0.00	0.00	21	0	0	32,443	27,475	0
147+85.00	14781.48	5.00	101.58	7.00	0.00	20	1	0	32,463	27,476	0
147+90.00	14786.48	5.00	95.38	28.74	0.00	18	3	0	32,481	27,479	0
147+95.00	14791.48	5.00	87.56	40.65	0.00	17	6	0	32,498	27,485	0
148+00.00	14796.48	5.00	81.87	44.81	0.00	16	8	0	32,514	27,493	0
148+03.87	14800.36	3.88	81.06	48.65	0.00	12	7	0	32,526	27,500	0
148+91.00	14887.48	87.12	319.10	0.00	0.00	646	78	0	33,172	27,578	0
149+00.00	14896.48	9.00	336.60	0.00	0.00	109	0	0	33,281	27,578	0
150+00.00	14996.48	100.00	419.79	0.00	0.00	1,401	0	0	34,682	27,578	0
151+00.00	15096.48	100.00	606.03	0.00	0.00	1,900	0	0	36,582	27,578	0
152+00.00	15196.48	100.00	641.93	0.00	0.00	2,311	0	0	38,893	27,578	0

WB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT 1.00	EXPANDED FILL 1.00	EXPANDED ROCK 1.00
152+96.15	15292.64	96.16	437.14	0.00	0.00	1,922	0	0	40,815	27,578	0
153+00.00	15296.48	3.84	429.57	0.00	0.00	62	0	0	40,877	27,578	0
154+00.00	15396.48	100.00	332.05	0.00	0.00	1,410	0	0	42,287	27,578	0
155+00.00	15496.48	100.00	44.43	16.50	0.00	697	31	0	42,984	27,609	0
156+00.00	15596.48	100.00	0.29	224.52	0.00	83	446	0	43,067	28,055	0
157+00.00	15696.48	100.00	0.00	207.29	0.00	1	800	0	43,068	28,855	0
158+00.00	15796.48	100.00	1.93	160.08	0.00	4	680	0	43,072	29,535	0
158+40.11	15836.60	40.12	0.00	342.15	0.00	1	373	0	43,073	29,908	0
159+00.00	15896.48	59.88	140.04	8.89	0.00	155	389	0	43,228	30,297	0
160+00.00	15996.48	100.00	78.06	187.86	0.00	404	364	0	43,632	30,661	0
160+27.00	16023.48	27.00	65.28	199.23	0.00	72	194	0	43,704	30,855	0
160+45.43	16041.91	18.43	59.57	223.04	0.00	43	144	0	43,747	30,999	0
161+00.00	16096.48	54.57	37.94	301.14	0.00	99	530	0	43,846	31,529	0
162+00.00	16143.78	47.30	19.71	319.50	0.00	50	544	0	43,896	32,073	0
163+00.00	16243.78	100.00	1.07	444.84	0.00	38	1,415	0	43,934	33,488	0
164+00.00	16343.78	100.00	4.07	416.36	0.00	10	1,595	0	43,944	35,083	0
165+00.00	16443.78	100.00	45.92	256.96	0.00	93	1,247	0	44,037	36,330	0
166+00.00	16543.78	100.00	96.52	86.29	0.00	264	636	0	44,301	36,966	0
167+00.00	16643.78	100.00	170.41	8.77	0.00	494	176	0	44,795	37,142	0
168+00.00	16743.78	100.00	263.54	0.00	0.00	804	16	0	45,599	37,158	0
168+50.00	16793.78	50.00	248.03	0.00	0.00	474	0	0	46,073	37,158	0
169+00.00	16843.78	50.00	430.84	0.00	0.00	629	0	0	46,702	37,158	0
170+00.00	16943.78	100.00	243.29	0.00	0.00	1,248	0	0	47,950	37,158	0
171+00.00	17043.78	100.00	210.00	0.00	0.00	839	0	0	48,789	37,158	0
172+00.00	17143.78	100.00	122.75	2.76	0.00	616	5	0	49,405	37,163	0
173+00.00	17243.78	100.00	37.35	81.59	0.00	296	156	0	49,701	37,319	0
174+00.00	17343.78	100.00	52.29	44.93	0.00	166	234	0	49,867	37,553	0
175+00.00	17443.78	100.00	17.53	127.81	0.00	129	320	0	49,996	37,873	0
175+60.76	17504.54	60.76	11.27	168.15	0.00	32	333	0	50,028	38,206	0
176+00.00	17543.78	39.24	0.21	283.81	0.00	8	328	0	50,036	38,534	0
177+00.00	17643.78	100.00	11.45	267.64	0.00	22	1,021	0	50,058	39,555	0
178+00.00	17743.78	100.00	0.00	417.96	0.00	21	1,270	0	50,079	40,825	0
179+00.00	17843.78	100.00	0.00	399.51	0.00	0	1,514	0	50,079	42,339	0
180+00.00	17943.78	100.00	0.00	514.86	0.00	0	1,693	0	50,079	44,032	0
181+00.00	18043.78	100.00	0.00	618.89	0.00	0	2,100	0	50,079	46,132	0
182+00.00	18143.78	100.00	0.00	708.86	0.00	0	2,459	0	50,079	48,591	0
182+46.73	18190.51	46.73	0.00	761.16	0.00	0	1,272	0	50,079	49,863	0
183+00.00	18243.78	53.27	0.00	730.04	0.00	0	1,471	0	50,079	51,334	0
184+00.00	18343.78	100.00	0.00	764.15	0.00	0	2,767	0	50,079	54,101	0
185+00.00	18443.78	100.00	0.00	765.15	0.00	0	2,832	0	50,079	56,933	0

WB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT 1.00	EXPANDED FILL 1.00	EXPANDED ROCK 1.00
185+50.00	18493.78	50.00	0.00	808.27	0.00	0	1,457	0	50,079	58,390	0
186+00.00	18543.78	50.00	0.00	778.05	0.00	0	1,469	0	50,079	59,859	0
187+00.00	18643.78	100.00	0.00	796.28	0.00	0	2,915	0	50,079	62,774	0
188+00.00	18743.78	100.00	0.00	755.53	0.00	0	2,874	0	50,079	65,648	0
189+00.00	18843.78	100.00	0.00	631.11	0.00	0	2,568	0	50,079	68,216	0
190+00.00	18943.78	100.00	0.85	290.74	0.00	2	1,707	0	50,081	69,923	0
191+00.00	19043.78	100.00	0.00	515.78	0.00	2	1,494	0	50,083	71,417	0
192+00.00	19143.78	100.00	0.00	515.20	0.00	0	1,909	0	50,083	73,326	0
192+84.53	19228.32	84.54	0.00	581.41	0.00	0	1,717	0	50,083	75,043	0
193+00.00	19243.78	15.46	0.00	603.45	0.00	0	339	0	50,083	75,382	0
194+00.00	19343.78	100.00	0.00	736.65	0.00	0	2,482	0	50,083	77,864	0
194+99.50	19443.28	99.50	0.00	674.86	0.00	0	2,601	0	50,083	80,465	0
196+00.00	19543.78	100.50	0.00	617.93	0.00	0	2,406	0	50,083	82,871	0
196+21.90	19565.69	21.91	0.00	746.72	0.00	0	554	0	50,083	83,425	0
197+00.00	19643.78	78.09	0.00	1073.70	0.00	0	2,633	0	50,083	86,058	0
198+00.00	19743.78	100.00	0.00	1296.21	0.00	0	4,389	0	50,083	90,447	0
199+00.00	19843.78	100.00	0.00	1121.21	0.00	0	4,477	0	50,083	94,924	0
200+00.00	19943.78	100.00	0.00	1218.95	0.00	0	4,334	0	50,083	99,258	0
201+00.00	20043.78	100.00	0.00	1741.12	0.00	0	5,482	0	50,083	104,740	0
201+50.00	20093.78	50.00	0.00	1973.36	0.00	0	3,439	0	50,083	108,179	0
202+00.00	20143.78	50.00	0.00	1683.75	0.00	0	3,386	0	50,083	111,565	0
203+00.00	20243.78	100.00	0.00	2198.28	0.00	0	7,189	0	50,083	118,754	0
204+00.00	20343.78	100.00	0.00	2182.51	0.00	0	8,113	0	50,083	126,867	0
205+00.00	20443.78	100.00	0.00	2105.95	0.00	0	7,942	0	50,083	134,809	0
206+00.00	20543.78	100.00	0.00	1962.50	0.00	0	7,534	0	50,083	142,343	0
207+00.00	20643.78	100.00	0.00	1802.48	0.00	0	6,972	0	50,083	149,315	0
208+00.00	20743.78	100.00	0.00	1666.67	0.00	0	6,424	0	50,083	155,739	0
209+00.00	20843.78	100.00	0.00	1615.22	0.00	0	6,078	0	50,083	161,817	0
210+00.00	20943.78	100.00	21.42	1539.43	0.00	40	5,842	0	50,123	167,659	0
211+00.00	21043.78	100.00	60.53	930.88	6.90	152	4,575	13	50,275	172,221	13
212+00.00	21143.78	100.00	80.07	434.95	46.91	260	2,529	100	50,535	174,650	113
213+00.00	21243.78	100.00	97.47	137.60	95.99	329	1,060	265	50,864	175,445	378
214+00.00	21343.78	100.00	104.15	4.92	160.90	373	264	476	51,237	175,233	854
215+00.00	21443.78	100.00	120.25	2.22	203.65	416	13	675	51,653	174,571	1,529
216+00.00	21543.78	100.00	163.85	0.00	308.62	526	4	949	52,179	173,626	2,478
216+07.45	21551.23	7.45	164.24	0.00	317.06	45	0	86	52,224	173,540	2,564
217+00.00	21643.78	92.55	149.77	0.00	229.98	538	0	938	52,762	172,602	3,502
218+00.00	21743.78	100.00	153.57	0.00	167.16	562	0	735	53,324	171,867	4,237
218+18.75	21762.54	18.76	149.57	0.00	189.77	105	0	124	53,429	171,743	4,361
219+00.00	21881.42	118.88	282.58	0.00	0.00	951	0	418	54,380	171,325	4,779

WB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT 1.00	EXPANDED FILL 1.00	EXPANDED ROCK 1.00
220+00.00	21981.42	100.00	204.07	0.00	0.00	901	0	0	55,281	171,325	4,779
221+00.00	22081.42	100.00	254.68	0.00	0.00	850	0	0	56,131	171,325	4,779
222+00.00	22181.42	100.00	93.27	11.38	0.00	644	21	0	56,775	171,346	4,779
222+79.53	22260.96	79.54	103.11	3.99	0.00	289	23	0	57,064	171,369	4,779
223+00.00	22281.42	20.46	80.60	4.97	0.00	70	3	0	57,134	171,372	4,779
224+00.00	22381.42	100.00	78.81	3.62	0.00	295	16	0	57,429	171,388	4,779
225+00.00	22481.42	100.00	34.05	59.09	0.00	209	116	0	57,638	171,504	4,779
226+00.00	22581.42	100.00	15.20	118.09	0.00	91	328	0	57,729	171,832	4,779
226+31.88	22613.30	31.88	16.91	123.82	0.00	19	143	0	57,748	171,975	4,779
227+00.00	22681.42	68.12	23.98	157.88	0.00	52	355	0	57,800	172,330	4,779
227+51.15	22732.58	51.16	0.00	262.44	0.00	23	398	0	57,823	172,728	4,779
228+00.00	22781.42	48.84	0.00	688.82	0.00	0	860	0	57,823	173,588	4,779
228+78.43	22859.85	78.43	0.00	1953.98	0.00	0	3,838	0	57,823	177,426	4,779
229+00.00	22881.42	21.57	0.00	1157.95	0.00	0	1,243	0	57,823	178,669	4,779
230+00.00	22981.42	100.00	4.09	545.56	0.00	8	3,155	0	57,831	181,824	4,779
230+38.60	23020.02	38.60	10.52	347.14	0.00	10	638	0	57,841	182,462	4,779
231+00.00	23081.42	61.40	26.89	137.51	0.00	43	551	0	57,884	183,013	4,779
231+27.50	23108.92	27.50	25.38	81.08	0.00	27	111	0	57,911	183,124	4,779
231+34.88	23116.31	7.39	24.23	70.27	0.00	7	21	0	57,918	183,145	4,779
231+37.85	23119.27	2.96	22.70	68.21	0.00	3	8	0	57,921	183,153	4,779
231+40.00	23121.42	2.15	20.95	67.46	0.00	2	5	0	57,923	183,158	4,779
231+45.00	23126.42	5.00	16.35	67.08	0.00	3	12	0	57,926	183,170	4,779
231+50.00	23131.42	5.00	18.63	64.19	0.00	3	12	0	57,929	183,182	4,779
231+55.00	23136.42	5.00	22.26	56.39	0.00	4	11	0	57,933	183,193	4,779
231+60.00	23141.42	5.00	27.01	53.17	0.00	5	10	0	57,938	183,203	4,779
231+65.00	23146.42	5.00	32.85	50.23	0.00	6	10	0	57,944	183,213	4,779
231+70.00	23151.42	5.00	39.69	47.49	0.00	7	9	0	57,951	183,222	4,779
231+75.00	23156.42	5.00	47.77	44.62	0.00	8	9	0	57,959	183,231	4,779
231+80.00	23161.42	5.00	56.57	41.31	0.00	10	8	0	57,969	183,239	4,779
231+85.00	23166.42	5.00	67.80	38.13	0.00	12	7	0	57,981	183,246	4,779
231+90.00	23171.42	5.00	71.60	35.19	0.00	13	7	0	57,994	183,253	4,779
231+95.00	23176.42	5.00	77.91	32.57	0.00	14	6	0	58,008	183,259	4,779
232+00.00	23181.42	5.00	87.26	30.12	0.00	15	6	0	58,023	183,265	4,779
232+05.00	23186.42	5.00	98.02	27.31	0.00	17	5	0	58,040	183,270	4,779
232+10.00	23191.42	5.00	110.19	23.78	0.00	19	5	0	58,059	183,275	4,779
232+15.00	23196.42	5.00	122.57	20.17	0.00	22	4	0	58,081	183,279	4,779
232+20.00	23201.42	5.00	130.51	16.36	0.00	23	3	0	58,104	183,282	4,779
232+25.00	23206.42	5.00	139.41	13.82	0.00	25	3	0	58,129	183,285	4,779
232+30.00	23211.42	5.00	146.19	13.57	0.00	26	3	0	58,155	183,288	4,779
232+35.00	23216.42	5.00	152.39	12.60	0.00	28	2	0	58,183	183,290	4,779

WB STH 15

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)		
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT 1.00	EXPANDED FILL 1.00	EXPANDED ROCK 1.00
232+40.00	23221.42	5.00	158.56	11.49	0.00	29	2	0	58,212	183,292	4,779
232+45.00	23226.42	5.00	165.00	8.19	0.00	30	2	0	58,242	183,294	4,779
232+50.00	23231.42	5.00	172.80	4.15	0.00	31	1	0	58,273	183,295	4,779
232+55.00	23236.42	5.00	179.27	1.98	0.00	33	1	0	58,306	183,296	4,779
232+60.00	23241.42	5.00	189.40	0.52	0.00	34	0	0	58,340	183,296	4,779
232+65.00	23246.42	5.00	194.03	0.00	0.00	36	0	0	58,376	183,296	4,779
232+70.00	23251.42	5.00	186.26	1.51	0.00	35	0	0	58,411	183,296	4,779
232+70.68	23252.10	0.68	186.49	1.80	0.00	5	0	0	58,416	183,296	4,779
233+00.00	23281.42	29.32	206.28	2.89	0.00	213	3	0	58,629	183,299	4,779
234+00.00	23381.42	100.00	288.99	2.25	0.00	917	10	0	59,546	183,309	4,779
235+00.00	23481.42	100.00	313.91	0.00	0.00	1,116	4	0	60,662	183,313	4,779
235+75.26	23556.68	75.26	303.92	0.00	0.00	861	0	0	61,523	183,313	4,779
236+00.00	23581.42	24.74	296.92	0.00	0.00	275	0	0	61,798	183,313	4,779
237+00.00	23681.42	100.00	220.47	1.82	0.00	958	3	0	62,756	183,316	4,779
237+50.00	23731.42	50.00	199.05	6.73	0.00	388	8	0	63,144	183,324	4,779
238+00.00	23781.42	50.00	183.78	11.87	0.00	354	17	0	63,498	183,341	4,779
239+00.00	23881.42	100.00	153.64	24.35	0.00	625	67	0	64,123	183,408	4,779
240+00.00	23981.42	100.00	126.70	32.13	0.00	519	105	0	64,642	183,513	4,779
241+00.00	24081.42	100.00	106.02	46.07	0.00	431	145	0	65,073	183,658	4,779
242+00.00	24181.42	100.00	70.55	80.97	0.00	327	235	0	65,400	183,893	4,779
243+00.00	24281.42	100.00	30.82	141.39	0.00	188	412	0	65,588	184,305	4,779
243+28.90	24310.33	28.91	16.83	240.54	0.00	26	204	0	65,614	184,509	4,779
244+00.00	24381.42	71.09	52.54	91.50	0.00	91	437	0	65,705	184,946	4,779
244+90.00	24471.42	90.00	120.74	5.27	0.00	289	161	0	65,994	185,107	4,779
245+00.00	24481.42	10.00	116.63	16.77	0.00	44	4	0	66,038	185,111	4,779
246+00.00	24581.42	100.00	116.38	21.72	0.00	432	71	0	66,470	185,182	4,779
247+00.00	24681.42	100.00	179.24	0.00	0.00	547	40	0	67,017	185,222	4,779
248+00.00	24781.42	100.00	225.62	0.00	0.00	750	0	0	67,767	185,222	4,779
249+00.00	24881.42	100.00	225.22	0.07	0.00	835	0	0	68,602	185,222	4,779
250+00.00	24981.42	100.00	254.84	0.00	0.00	889	0	0	69,491	185,222	4,779
250+27.80	25009.23	27.81	211.81	0.00	0.00	240	0	0	69,731	185,222	4,779
251+00.00	25081.42	72.19	186.03	3.41	0.00	532	5	0	70,263	185,227	4,779
251+10.45	25091.87	10.45	178.85	2.88	0.00	71	1	0	70,334	185,228	4,779
251+43.00	25124.42	32.55	168.57	5.32	0.00	209	5	0	70,543	185,233	4,779
252+00.00	25181.42	57.00	164.14	17.44	0.00	351	24	0	70,894	185,257	4,779
252+76.54	25257.96	76.54	159.99	17.89	0.00	459	50	0	71,353	185,307	4,779
253+00.00	25281.42	23.46	158.77	20.52	0.00	138	17	0	71,491	185,324	4,779
254+00.00	25381.42	100.00	150.03	16.46	0.00	572	68	0	72,063	185,392	4,779
255+00.00	25481.42	100.00	128.39	11.36	0.00	516	52	0	72,579	185,444	4,779
255+77.76	25559.18	77.76	100.57	0.62	0.00	330	17	0	72,909	185,461	4,779

USH 45

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)	
			CUT	FILL	CUT	FILL	MARSH EXC	CUT 1.00	EXPANDED FILL 1.00
33+36.03	3336.03	0.00	38.46	0.02	0	0	0	0	0
33+50.00	3350.00	13.97	131.56	0.00	44	0	0	44	0
34+00.00	3400.00	50.00	215.17	0.00	321	0	0	365	0
34+50.00	3450.00	50.00	186.13	0.00	372	0	0	737	0
35+00.00	3500.00	50.00	153.49	0.00	314	0	0	1,051	0
35+50.00	3550.00	50.00	126.32	0.37	259	0	0	1,310	0
36+00.00	3600.00	50.00	116.55	1.88	225	2	0	1,535	2
36+50.00	3650.00	50.00	122.66	1.09	221	3	0	1,756	5
37+00.00	3700.00	50.00	140.93	4.73	244	5	0	2,000	10
37+50.00	3750.00	50.00	168.67	6.32	287	10	0	2,287	20
38+00.00	3800.00	50.00	343.57	36.43	474	40	0	2,761	60
38+18.69	3818.69	18.69	269.78	76.56	212	39	0	2,973	99
38+44.67	3844.67	25.98	140.62	71.28	197	71	0	3,170	170
38+45.00	3845.00	0.33	137.99	73.84	2	1	0	3,172	171
38+50.00	3850.00	5.00	99.55	61.63	22	13	0	3,194	184
38+55.00	3855.00	5.00	69.50	69.96	16	12	0	3,210	196
38+60.00	3860.00	5.00	55.78	79.08	12	14	0	3,222	210
38+65.00	3865.00	5.00	61.63	85.47	11	15	0	3,233	225
38+70.00	3870.00	5.00	68.69	71.94	12	15	0	3,245	240
38+75.00	3875.00	5.00	81.11	36.66	14	10	0	3,259	250
38+80.00	3880.00	5.00	88.16	3.62	16	4	0	3,275	254
38+85.00	3885.00	5.00	92.32	0.00	17	0	0	3,292	254
38+90.00	3890.00	5.00	88.34	0.00	17	0	0	3,309	254
38+95.00	3895.00	5.00	75.11	0.00	15	0	0	3,324	254
39+00.00	3900.00	5.00	67.24	0.00	13	0	0	3,337	254
39+05.00	3905.00	5.00	63.29	0.00	12	0	0	3,349	254
39+10.00	3910.00	5.00	58.00	0.00	11	0	0	3,360	254
39+15.00	3915.00	5.00	52.55	0.00	10	0	0	3,370	254
39+20.00	3920.00	5.00	43.93	0.00	9	0	0	3,379	254
39+25.00	3925.00	5.00	32.95	0.00	7	0	0	3,386	254
39+30.00	3930.00	5.00	23.64	0.00	5	0	0	3,391	254
39+35.00	3935.00	5.00	14.80	0.00	4	0	0	3,395	254
39+40.00	3940.00	5.00	6.76	0.00	2	0	0	3,397	254
39+45.00	3945.00	5.00	1.47	0.00	1	0	0	3,398	254
39+50.00	3950.00	5.00	14.81	0.00	2	0	0	3,400	254
39+55.00	3955.00	5.00	27.89	0.00	4	0	0	3,404	254
39+60.00	3960.00	5.00	41.25	0.00	6	0	0	3,410	254
39+65.00	3965.00	5.00	56.94	0.00	9	0	0	3,419	254
39+70.00	3970.00	5.00	70.73	0.00	12	0	0	3,431	254
39+75.00	3975.00	5.00	83.99	0.00	14	0	0	3,445	254

USH 45

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED			CUMULATIVE VOL (CY)	
			CUT	FILL	CUT	FILL	MARSH EXC	CUT 1.00	EXPANDED FILL 1.00
39+80.00	3980.00	5.00	96.05	0.00	17	0	0	3,462	254
39+85.00	3985.00	5.00	106.92	0.00	19	0	0	3,481	254
39+90.00	3990.00	5.00	116.20	0.00	21	0	0	3,502	254
39+95.00	3995.00	5.00	128.76	0.00	23	0	0	3,525	254
40+00.00	4000.00	5.00	147.90	0.00	26	0	0	3,551	254
40+05.00	4005.00	5.00	151.72	0.97	28	0	0	3,579	254
40+10.00	4010.00	5.00	151.84	1.36	28	0	0	3,607	254
40+15.00	4015.00	5.00	159.71	0.69	29	0	0	3,636	254
40+20.00	4020.00	5.00	174.67	0.14	31	0	0	3,667	254
40+25.00	4025.00	5.00	184.31	0.54	33	0	0	3,700	254
40+30.00	4030.00	5.00	197.46	0.31	35	0	0	3,735	254
40+35.00	4035.00	5.00	204.97	0.19	37	0	0	3,772	254
40+40.00	4040.00	5.00	217.28	0.07	39	0	0	3,811	254
40+45.00	4045.00	5.00	233.49	0.06	42	0	0	3,853	254
40+50.00	4050.00	5.00	247.82	0.11	45	0	0	3,898	254
40+55.00	4055.00	5.00	253.60	0.19	46	0	0	3,944	254
40+60.00	4060.00	5.00	253.84	0.01	47	0	0	3,991	254
40+65.00	4065.00	5.00	279.36	0.43	49	0	0	4,040	254
40+65.07	4065.07	0.07	285.42	0.43	1	0	0	4,041	254
41+00.00	4100.00	34.93	197.41	0.00	312	0	0	4,353	254
41+50.00	4150.00	50.00	157.65	0.00	329	0	0	4,682	254
42+00.00	4200.00	50.00	141.72	0.00	277	0	0	4,959	254
42+50.00	4250.00	50.00	142.36	0.09	263	0	0	5,222	254
43+00.00	4300.00	50.00	131.48	0.58	254	1	0	5,476	255
43+17.82	4317.82	17.82	127.08	42.00	85	14	0	5,561	269
43+25.73	4325.73	7.91	124.09	43.72	37	13	0	5,598	282
43+50.00	4350.00	24.27	126.86	1.70	113	20	0	5,711	302
44+00.00	4400.00	50.00	96.79	49.71	207	48	0	5,918	350
44+50.00	4450.00	50.00	87.29	40.77	170	84	0	6,088	434
45+00.00	4500.00	50.00	92.35	52.97	166	87	0	6,254	521
45+50.00	4550.00	50.00	102.45	51.47	180	97	0	6,434	618
46+00.00	4600.00	50.00	91.70	37.86	180	83	0	6,614	701
46+50.00	4650.00	50.00	106.82	21.00	184	55	0	6,798	756
47+00.00	4700.00	50.00	105.43	7.39	197	26	0	6,995	782
47+50.00	4750.00	50.00	95.82	2.01	186	9	0	7,181	791
48+00.00	4800.00	50.00	83.28	0.00	166	2	0	7,347	793
48+50.00	4850.00	50.00	86.67	0.00	157	0	0	7,504	793
49+00.00	4900.00	50.00	88.79	0.00	162	0	0	7,666	793
49+50.00	4950.00	50.00	91.82	0.00	167	0	0	7,833	793
50+00.00	5000.00	50.00	84.14	2.18	163	2	0	7,996	795
50+50.00	5050.00	50.00	0.00	0.00	78	2	0	8,074	797

WOLF RIVER RUN

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)	
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.00
80+50.00	8050.00	0.00	4.85	0.00	0	0	0	0
80+55.00	8055.00	5.00	12.51	0.00	2	0	2	0
80+60.00	8060.00	5.00	11.47	0.00	2	0	4	0
80+65.00	8065.00	5.00	10.68	0.00	2	0	6	0
80+70.00	8070.00	5.00	11.18	0.00	2	0	8	0
80+75.00	8075.00	5.00	14.06	0.07	2	0	10	0
80+80.00	8080.00	5.00	10.01	14.39	2	1	12	1
80+85.00	8085.00	5.00	5.67	36.09	1	5	13	6
80+90.00	8090.00	5.00	3.27	48.83	1	8	14	14
80+95.00	8095.00	5.00	1.69	50.43	0	9	14	23
81+00.00	8100.00	5.00	1.01	40.66	0	8	14	31
81+05.00	8105.00	5.00	0.74	28.08	0	6	14	37
81+10.00	8110.00	5.00	0.00	32.26	0	6	14	43
81+11.06	8111.06	1.06	0.00	36.13	0	1	14	44
81+25.00	8125.00	13.94	0.00	52.39	0	23	14	67
81+50.00	8150.00	25.00	0.00	79.70	0	61	14	128
81+75.00	8175.00	25.00	0.00	93.78	0	80	14	208
82+00.00	8200.00	25.00	0.00	119.68	0	99	14	307
82+25.00	8225.00	25.00	0.00	103.95	0	104	14	411
82+50.00	8250.00	25.00	0.00	264.38	0	171	14	582
82+75.00	8275.00	25.00	2.14	376.75	1	297	15	879
83+00.00	8300.00	25.00	4.31	439.44	3	378	18	1,257
83+25.00	8325.00	25.00	1.79	344.56	3	363	21	1,620
83+50.00	8350.00	25.00	0.00	214.17	1	259	22	1,879
83+61.17	8361.17	11.17	0.00	174.63	0	80	22	1,959

RIVER ROAD

STATION	REAL STATION	DISTANCE	AREA (SF)		NCREMENTAL VOL (CY) (UNADJUSTED		CUMULATIVE VOL (CY)	
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.00
20+85.00	2085.00	0.00	0.00	1.58	0	0	0	0
20+90.00	2090.00	5.00	0.00	15.77	0	2	0	2
20+95.00	2095.00	5.00	0.00	34.38	0	5	0	7
21+00.00	2100.00	5.00	0.00	58.15	0	9	0	16
21+05.00	2105.00	5.00	0.00	84.88	0	13	0	29
21+10.00	2110.00	5.00	0.00	110.90	0	18	0	47
21+15.00	2115.00	5.00	0.00	140.28	0	23	0	70
21+20.00	2120.00	5.00	0.00	169.78	0	29	0	99
21+25.00	2125.00	5.00	0.00	187.82	0	33	0	132
21+30.00	2130.00	5.00	0.00	196.63	0	36	0	168
21+35.00	2135.00	5.00	5.40	207.27	0	37	0	205
21+40.00	2140.00	5.00	14.57	249.83	2	42	2	247
21+45.00	2145.00	5.00	19.84	258.72	3	47	5	294
21+50.00	2150.00	5.00	22.10	268.17	4	49	9	343
21+55.00	2155.00	5.00	22.06	303.17	4	53	13	396
21+56.00	2156.00	1.00	21.92	306.59	1	11	14	407
22+00.00	2200.00	44.00	3.54	307.66	21	501	35	908
22+50.00	2250.00	50.00	10.28	212.25	13	481	48	1,389
23+00.00	2300.00	50.00	21.45	109.13	29	298	77	1,687
23+50.00	2350.00	50.00	14.94	139.14	34	230	111	1,917
24+00.00	2400.00	50.00	19.56	188.81	32	304	143	2,221
24+50.00	2450.00	50.00	30.64	429.64	46	573	189	2,794
25+00.00	2500.00	50.00	65.92	370.91	89	741	278	3,535
25+50.00	2550.00	50.00	70.92	258.02	127	582	405	4,117
25+52.24	2552.24	2.24	67.53	250.69	6	21	411	4,138
25+74.96	2574.96	22.72	41.93	189.54	46	185	457	4,323
26+00.00	2600.00	25.04	21.47	138.74	29	152	486	4,475
26+50.00	2650.00	50.00	10.76	55.57	30	180	516	4,655
27+00.00	2700.00	50.00	27.30	13.43	35	64	551	4,719
27+50.00	2750.00	50.00	38.11	8.21	61	20	612	4,739
28+00.00	2800.00	50.00	35.14	2.56	68	10	680	4,749
28+38.55	2838.55	38.55	47.76	0.00	59	2	739	4,751
28+50.00	2850.00	11.45	44.27	0.00	20	0	759	4,751
29+00.00	2900.00	50.00	0.00	0.00	41	0	800	4,751

CROSS ROAD

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)	
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.00
17+00.00	1700.00	0.00	43.72	0.13	0	0	0	0
17+50.00	1750.00	50.00	41.96	15.17	79	14	79	14
18+00.00	1800.00	50.00	42.45	17.00	78	30	157	44
18+50.00	1850.00	50.00	49.04	14.71	85	29	242	73
18+83.47	1883.47	33.47	64.39	12.18	70	17	312	90
19+00.00	1900.00	16.53	52.71	11.12	36	7	348	97
19+50.00	1950.00	50.00	55.45	12.28	100	22	448	119
20+00.00	2000.00	50.00	79.05	10.03	125	21	573	140
20+50.00	2050.00	50.00	96.49	6.64	163	15	736	155
21+00.00	2100.00	50.00	101.06	0.29	183	6	919	161
21+50.00	2150.00	50.00	124.94	0.83	209	1	1,128	162
22+00.00	2200.00	50.00	156.01	1.31	260	2	1,388	164
22+50.00	2250.00	50.00	176.15	5.45	308	6	1,696	170
22+93.49	2293.49	43.49	196.35	5.69	300	9	1,996	179
23+00.00	2300.00	6.51	196.34	4.91	47	1	2,043	180
23+50.00	2350.00	50.00	183.99	8.89	352	13	2,395	193
24+00.00	2400.00	50.00	202.50	6.49	358	14	2,753	207
24+50.00	2450.00	50.00	191.86	22.92	365	27	3,118	234
25+00.00	2500.00	50.00	172.92	42.45	338	61	3,456	295
25+02.72	2502.72	2.72	172.37	43.41	17	4	3,473	299
25+12.53	2512.53	9.81	172.01	48.14	63	17	3,536	316
25+15.00	2515.00	2.47	171.11	49.87	16	4	3,552	320
25+20.00	2520.00	5.00	169.48	53.84	32	10	3,584	330
25+25.00	2525.00	5.00	166.60	56.24	31	10	3,615	340
25+30.00	2530.00	5.00	156.35	59.59	30	11	3,645	351
25+35.00	2535.00	5.00	135.25	64.03	27	11	3,672	362
25+40.00	2540.00	5.00	128.97	68.54	24	12	3,696	374
25+45.00	2545.00	5.00	128.86	59.93	24	12	3,720	386
25+50.00	2550.00	5.00	128.98	42.76	24	10	3,744	396
25+55.00	2555.00	5.00	128.73	37.00	24	7	3,768	403
25+60.00	2560.00	5.00	126.79	31.81	24	6	3,792	409
25+65.00	2565.00	5.00	123.09	26.73	23	5	3,815	414
25+70.00	2570.00	5.00	119.28	21.57	22	4	3,837	418
25+75.00	2575.00	5.00	115.58	16.38	22	4	3,859	422
25+80.00	2580.00	5.00	112.84	11.31	21	3	3,880	425
25+85.00	2585.00	5.00	111.33	16.82	21	3	3,901	428
25+90.00	2590.00	5.00	110.70	26.04	21	4	3,922	432
25+95.00	2595.00	5.00	110.93	37.48	21	6	3,943	438
26+00.00	2600.00	5.00	111.70	51.00	21	8	3,964	446
26+05.00	2605.00	5.00	112.81	66.45	21	11	3,985	457

CROSS ROAD

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)	
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.00
26+10.00	2610.00	5.00	114.34	86.78	21	14	4,006	471
26+15.00	2615.00	5.00	118.47	77.44	22	15	4,028	486
26+20.00	2620.00	5.00	139.59	69.61	24	14	4,052	500
26+25.00	2625.00	5.00	156.86	63.39	27	12	4,079	512
26+30.00	2630.00	5.00	159.81	57.70	29	11	4,108	523
26+31.94	2631.94	1.94	158.76	55.60	11	4	4,119	527
26+50.00	2650.00	18.06	161.43	33.90	107	30	4,226	557
27+00.00	2700.00	50.00	168.37	6.91	305	38	4,531	595
27+50.00	2750.00	50.00	135.39	0.96	281	7	4,812	602
28+00.00	2800.00	50.00	127.71	0.00	244	1	5,056	603
28+47.11	2847.11	47.11	126.68	0.00	222	0	5,278	603
28+50.00	2850.00	2.89	94.09	6.79	12	0	5,290	603
28+55.00	2855.00	5.00	125.47	5.47	20	1	5,310	604
28+60.00	2860.00	5.00	238.01	5.93	34	1	5,344	605
28+65.00	2865.00	5.00	299.68	0.00	50	1	5,394	606
28+70.00	2870.00	5.00	310.21	0.00	56	0	5,450	606
28+75.00	2875.00	5.00	257.62	0.00	53	0	5,503	606
28+80.00	2880.00	5.00	202.63	0.00	43	0	5,546	606
28+85.00	2885.00	5.00	168.52	0.00	34	0	5,580	606
28+90.00	2890.00	5.00	146.76	0.00	29	0	5,609	606
28+95.00	2895.00	5.00	116.18	0.00	24	0	5,633	606
29+00.00	2900.00	5.00	84.89	0.00	19	0	5,652	606
29+05.00	2905.00	5.00	48.02	0.00	12	0	5,664	606
29+10.00	2910.00	5.00	23.18	0.00	7	0	5,671	606
29+15.00	2915.00	5.00	3.84	0.00	3	0	5,674	606
29+20.00	2920.00	5.00	0.24	0.00	0	0	5,674	606

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PROJECT NO: 1146-75-73 | HWY: STH 15 | COUNTY: OUTAGAMIE | EARTHWORK DATA - CROSS ROAD | SHEET 515 | E

LEDGE HILL ROAD

STATION	REAL STATION	DISTANCE	AREA (SF)		NCREMENTAL VOL (CY) (UNADJUSTED		CUMULATIVE VOL (CY)	
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.00
42+00.00	4200.00	0.00	40.67	2.08	0	0	0	0
42+50.00	4250.00	50.00	42.97	13.88	77	15	77	15
43+00.00	4300.00	50.00	40.89	24.25	78	35	155	50
43+50.00	4350.00	50.00	41.83	36.09	77	56	232	106
44+00.00	4400.00	50.00	35.57	42.53	72	73	304	179
44+50.00	4450.00	50.00	25.49	49.00	57	85	361	264
45+00.00	4500.00	50.00	13.64	48.68	36	90	397	354
45+50.00	4550.00	50.00	26.03	70.28	37	110	434	464
46+00.00	4600.00	50.00	61.56	100.68	81	158	515	622
46+50.00	4650.00	50.00	30.57	127.26	85	211	600	833
47+00.00	4700.00	50.00	8.17	138.37	36	246	636	1,079
47+50.00	4750.00	50.00	44.35	35.30	49	161	685	1,240
48+00.00	4800.00	50.00	11.78	237.80	52	253	737	1,493
48+50.00	4850.00	50.00	8.38	267.74	19	468	756	1,961
49+00.00	4900.00	50.00	3.55	276.18	11	504	767	2,465
49+15.81	4915.81	15.81	8.26	235.96	3	150	770	2,615
49+18.96	4918.96	0.00	10.27	234.06	0	0	770	2,615
49+20.00	4920.00	1.04	11.13	230.49	0	9	770	2,624
49+25.00	4925.00	5.00	16.14	188.05	3	39	773	2,663
49+30.00	4930.00	5.00	21.81	189.27	4	35	777	2,698
49+35.00	4935.00	5.00	27.44	197.33	5	36	782	2,734
49+40.00	4940.00	5.00	14.40	168.17	4	34	786	2,768
49+45.00	4945.00	5.00	1.23	159.33	1	30	787	2,798
49+50.00	4950.00	5.00	0.00	149.77	0	29	787	2,827
49+55.00	4955.00	5.00	0.00	117.97	0	25	787	2,852
49+60.00	4960.00	5.00	0.00	89.71	0	19	787	2,871
49+65.00	4965.00	5.00	0.00	71.14	0	15	787	2,886
49+70.00	4970.00	5.00	0.00	52.99	0	11	787	2,897
49+75.00	4975.00	5.00	0.00	35.52	0	8	787	2,905
49+80.00	4980.00	5.00	0.00	20.04	0	5	787	2,910
49+85.00	4985.00	5.00	0.00	7.10	0	3	787	2,913

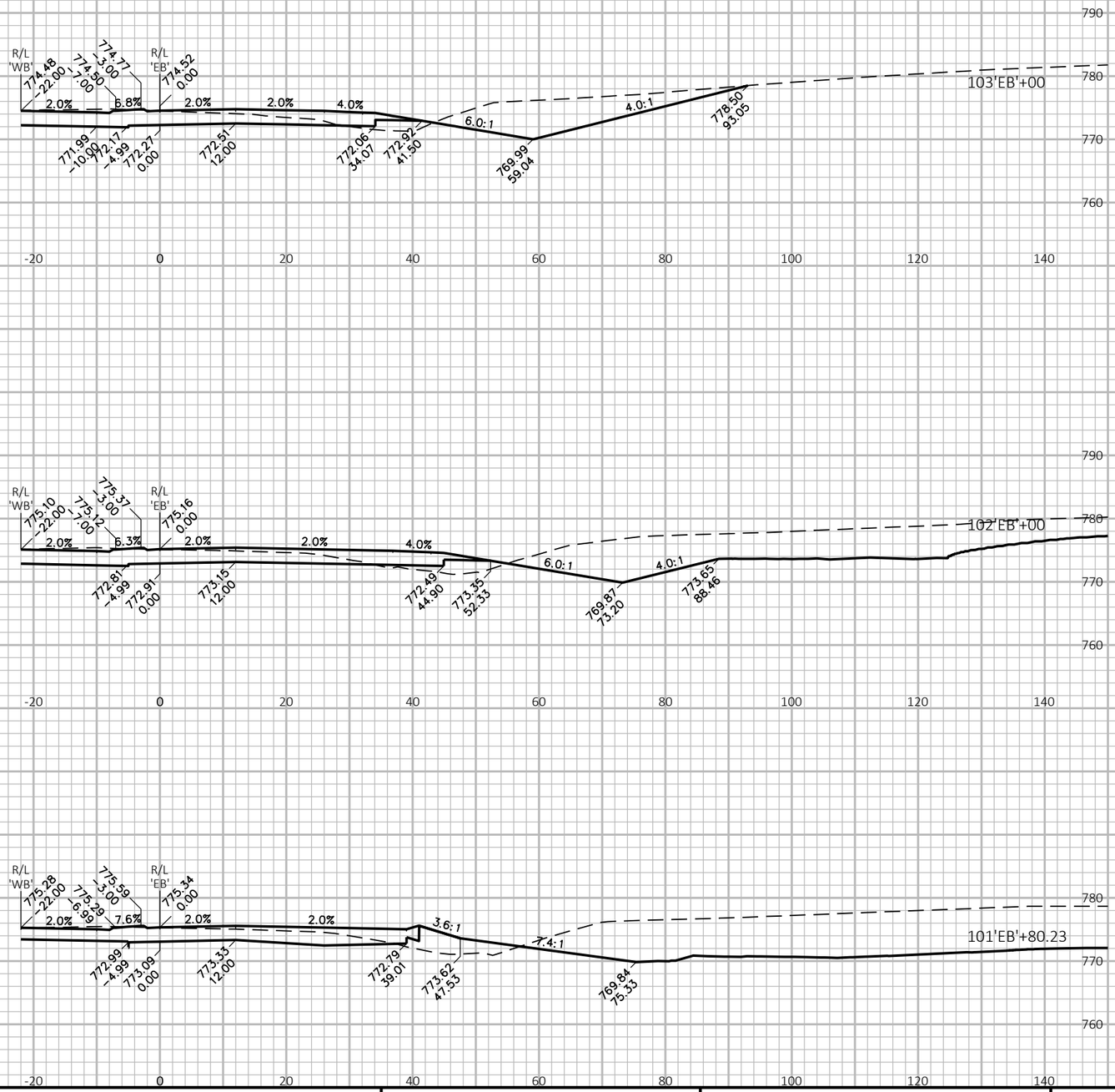
KELLY DRIVE

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)	
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.00
16+00.10	1600.10	0.00	0.00	0.00	0	0	0	0
16+41.74	1641.74	41.64	138.84	0.00	107	0	107	0
16+50.00	1650.00	8.26	147.46	0.00	44	0	151	0
17+00.00	1700.00	50.00	191.50	0.00	314	0	465	0
17+50.00	1750.00	50.00	193.04	0.00	356	0	821	0
17+62.20	1762.20	12.20	202.05	0.00	89	0	910	0
18+00.00	1800.00	37.80	166.08	0.00	258	0	1,168	0
18+27.33	1827.33	27.33	219.57	0.00	195	0	1,363	0
18+29.65	1829.65	2.32	224.64	0.00	19	0	1,382	0
18+30.00	1830.00	0.35	225.54	0.00	3	0	1,385	0
18+35.00	1835.00	5.00	232.46	0.00	42	0	1,427	0
18+40.00	1840.00	5.00	250.47	0.00	45	0	1,472	0
18+45.00	1845.00	5.00	269.01	0.00	48	0	1,520	0
18+50.00	1850.00	5.00	288.74	0.00	52	0	1,572	0
18+55.00	1855.00	5.00	284.00	0.00	53	0	1,625	0
18+60.00	1860.00	5.00	268.86	0.00	51	0	1,676	0
18+65.00	1865.00	5.00	243.44	0.00	47	0	1,723	0
18+70.00	1870.00	5.00	224.02	0.00	43	0	1,766	0
18+75.00	1875.00	5.00	221.00	0.00	41	0	1,807	0
18+80.00	1880.00	5.00	212.69	0.00	40	0	1,847	0
18+85.00	1885.00	5.00	193.16	0.00	38	0	1,885	0
18+90.00	1890.00	5.00	162.67	0.00	33	0	1,918	0
18+95.00	1895.00	5.00	136.95	0.00	28	0	1,946	0
19+00.00	1900.00	5.00	104.80	0.00	22	0	1,968	0
19+05.00	1905.00	5.00	70.86	0.00	16	0	1,984	0
19+10.00	1910.00	5.00	37.06	0.00	10	0	1,994	0
19+15.00	1915.00	5.00	7.03	0.00	4	0	1,998	0

9

9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	EARTHWORK DATA - LEDGE HILL ROAD & KELLY DRIVE	SHEET 516	E



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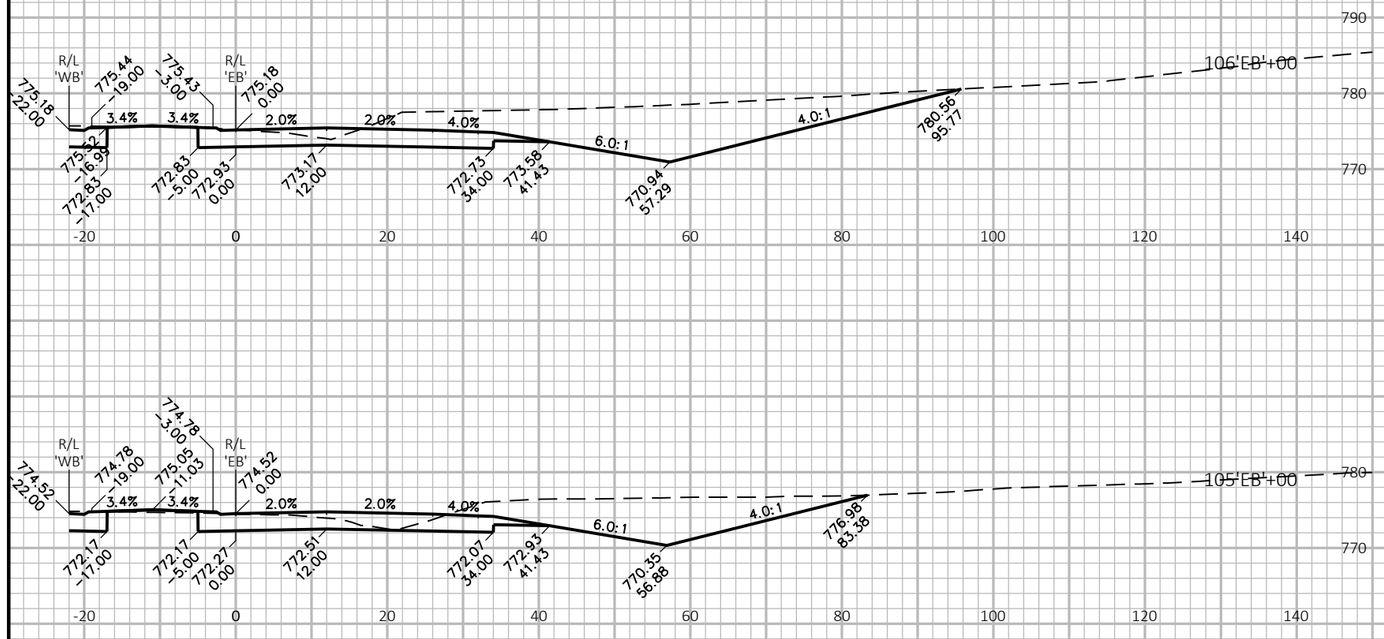
9

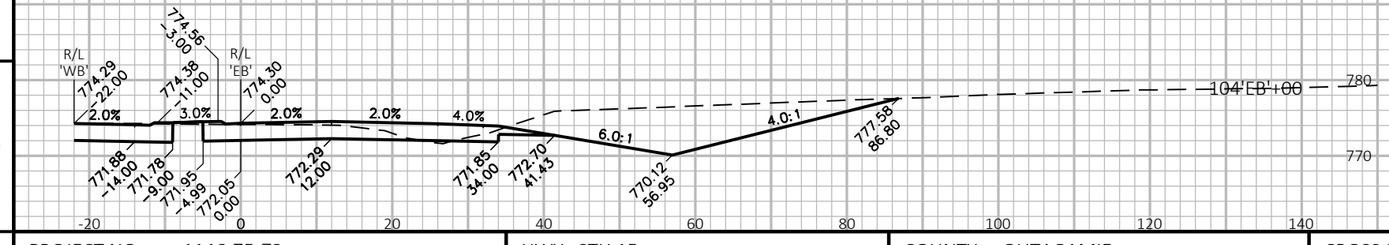
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 517	E

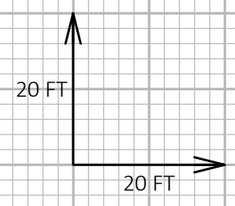
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(01).DWG
LAYOUT NAME - 090201_xs(01)

PLOT DATE : 3/31/2023 2:37 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 518	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(01).DWG
LAYOUT NAME - 090202_xs(01)

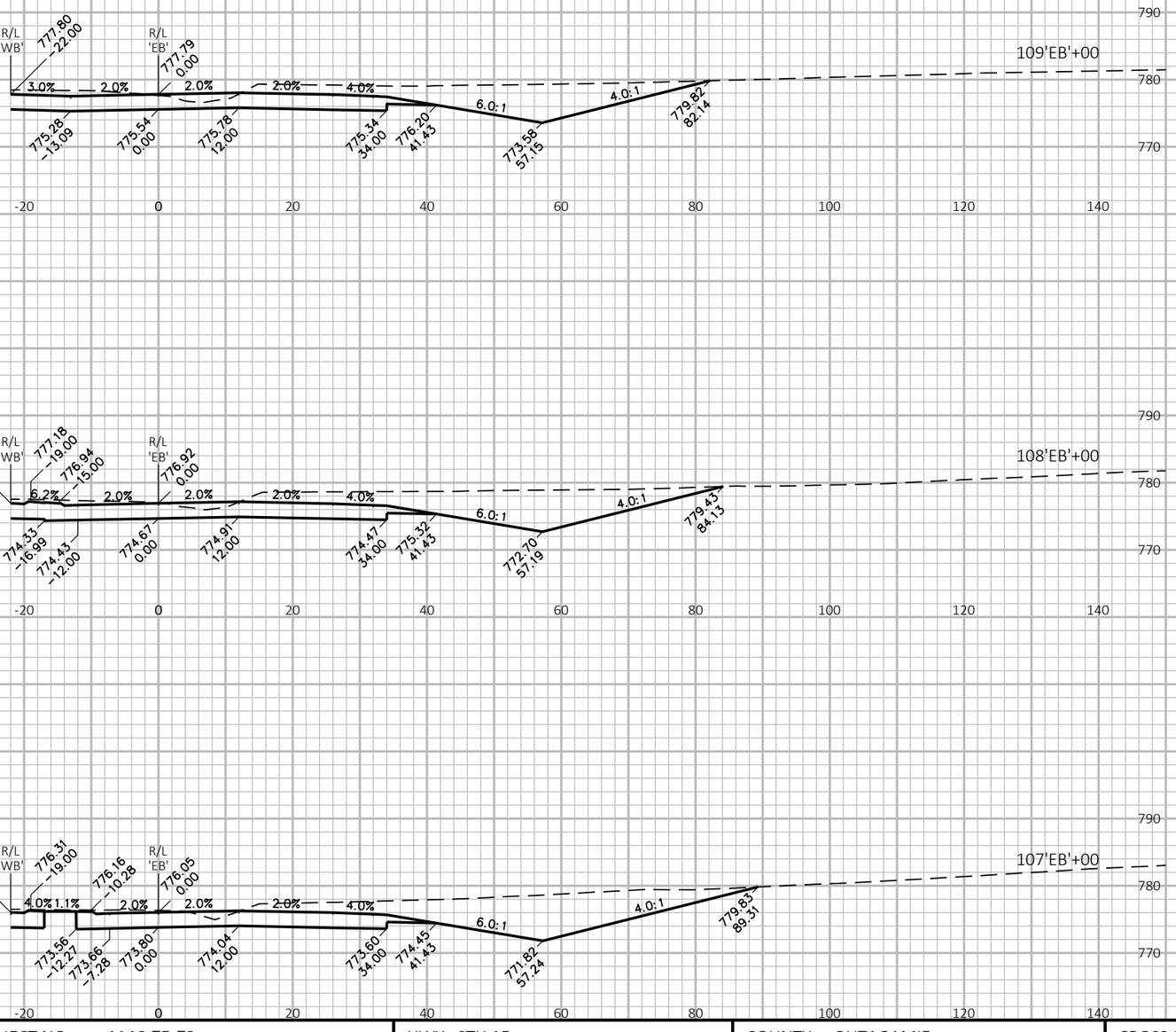
PLOT DATE : 3/31/2023 2:37 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 519	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(01).DWG
LAYOUT NAME - 090203_xs(01)

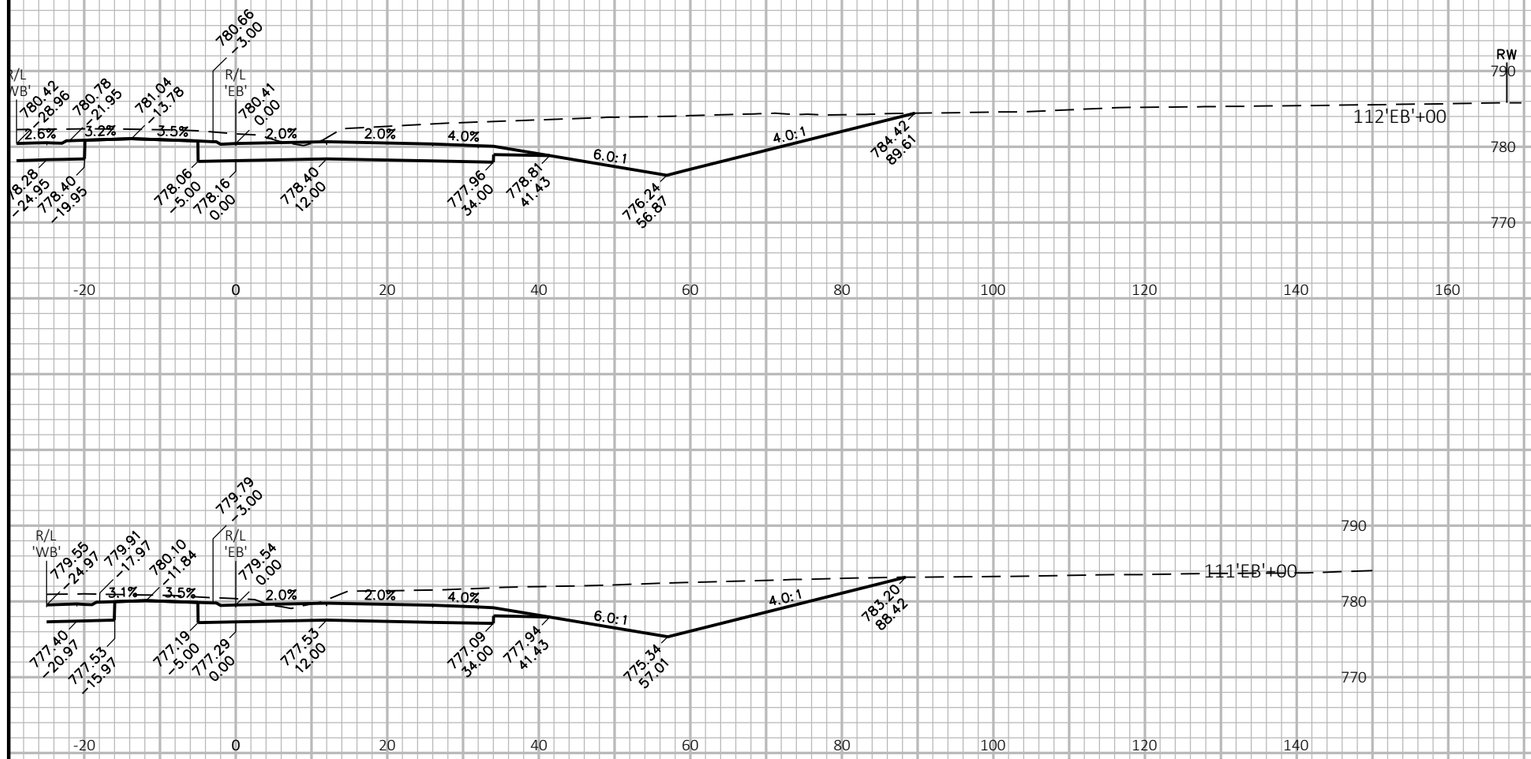
PLOT DATE : 3/31/2023 2:37 PM

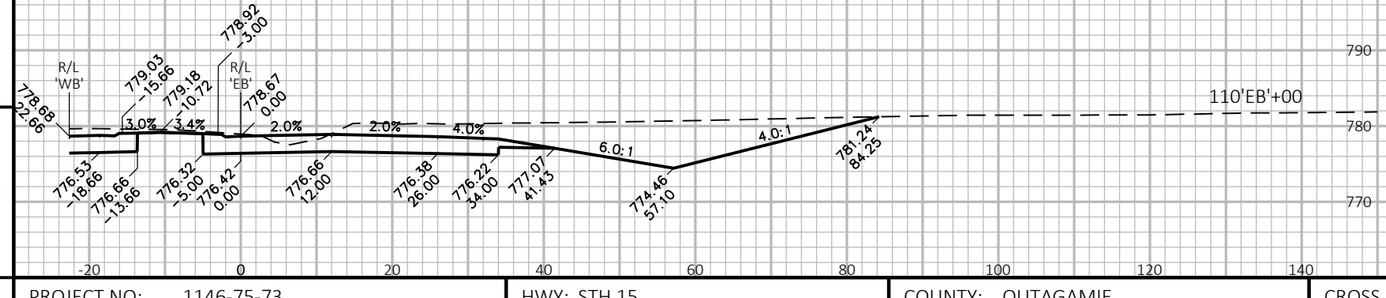
PLOT BY : DANA, SHARON T

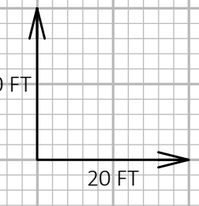
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 520	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(01).DWG
LAYOUT NAME - 090204_xs(01)

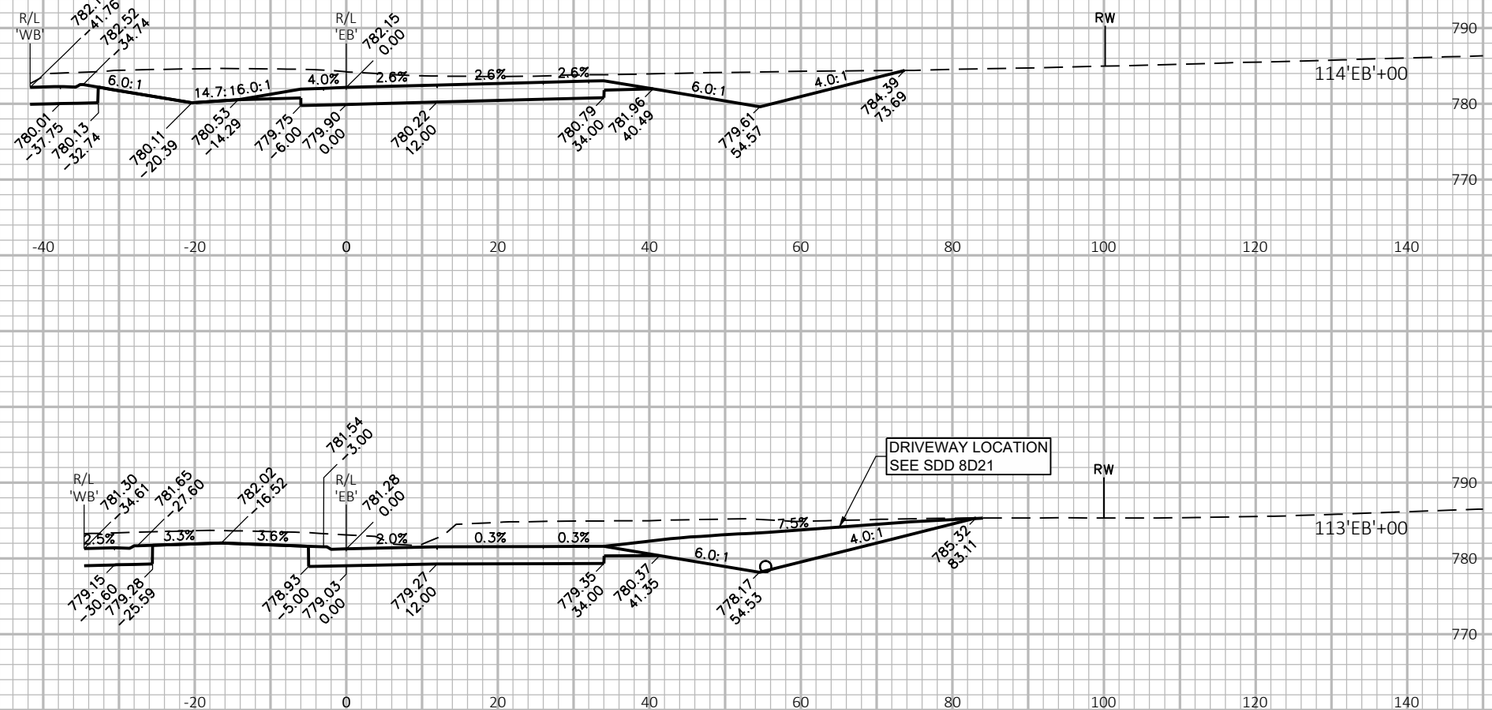
PLOT DATE : 3/31/2023 2:38 PM

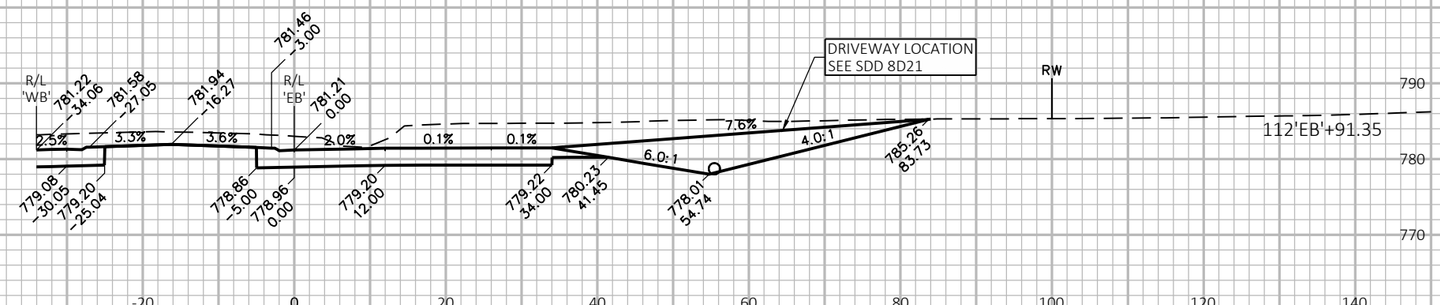
PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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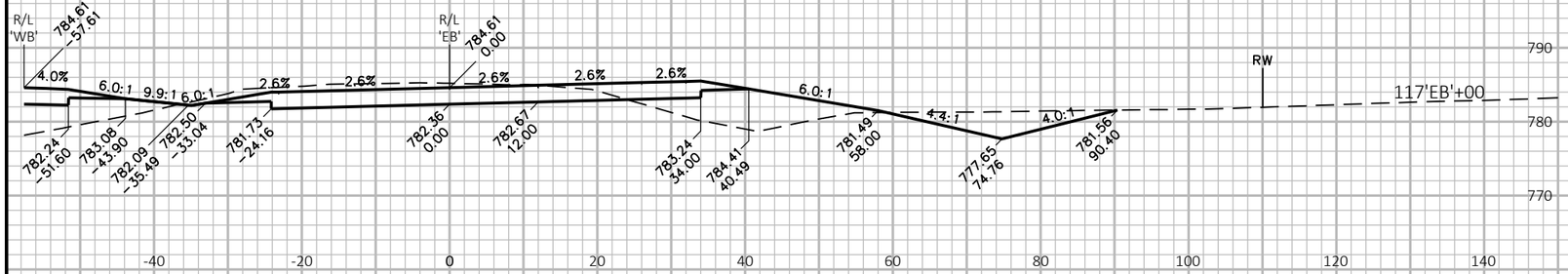
9

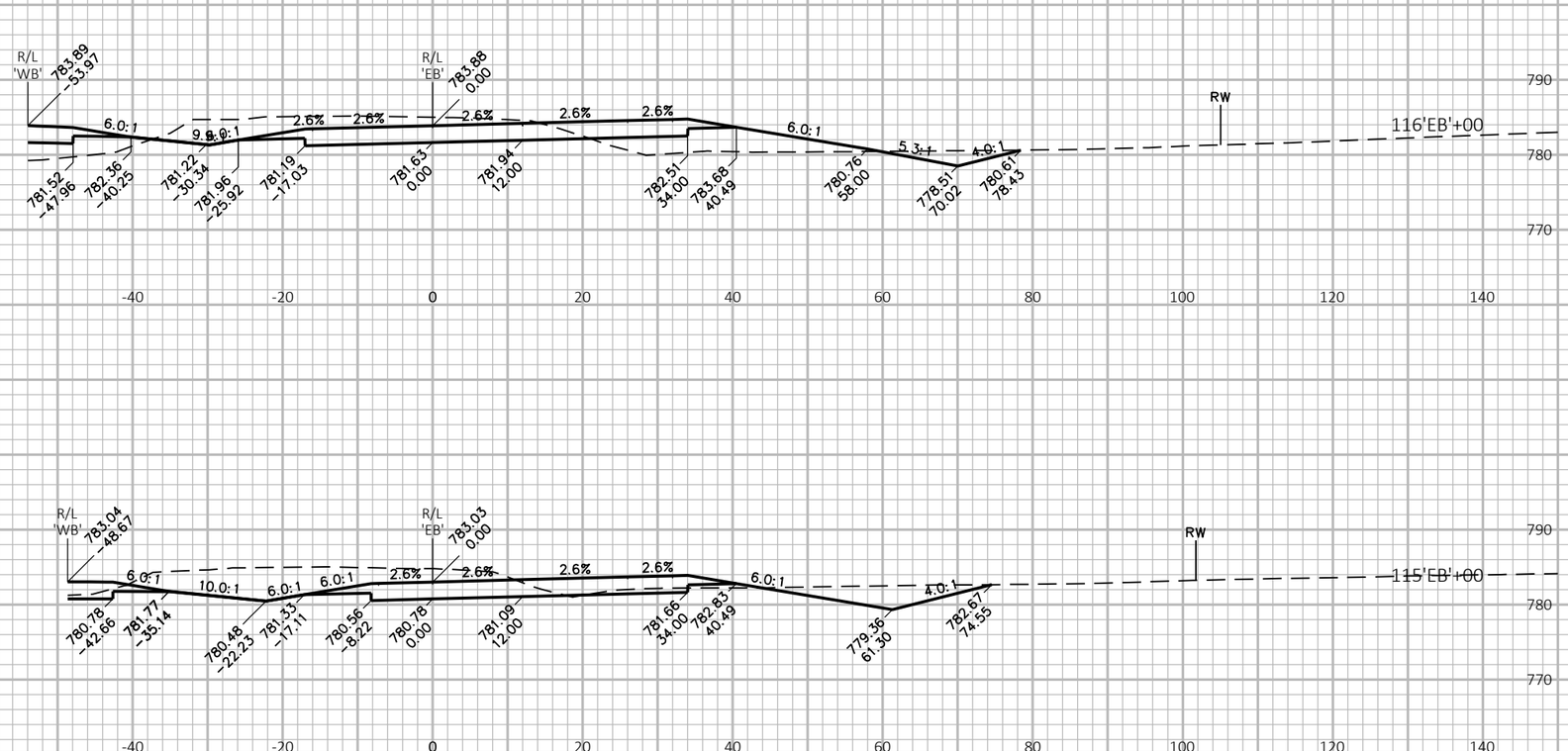
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 521	E

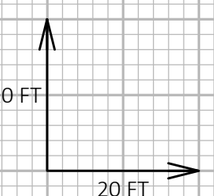
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(01).DWG
LAYOUT NAME - 090205_xs(01)

PLOT DATE : 3/31/2023 2:38 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 522	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(01).DWG
LAYOUT NAME - 090206_xs(01)

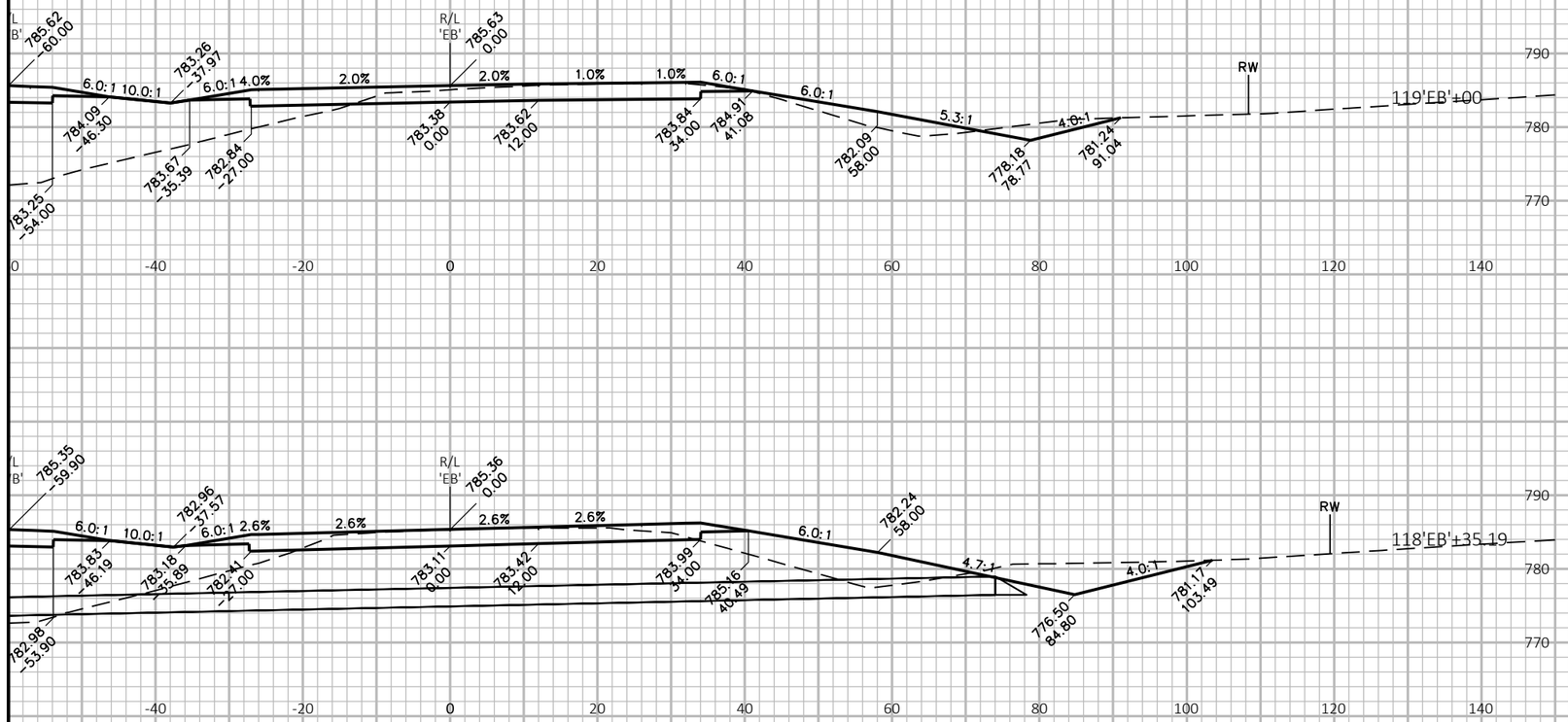
PLOT DATE : 3/31/2023 2:38 PM

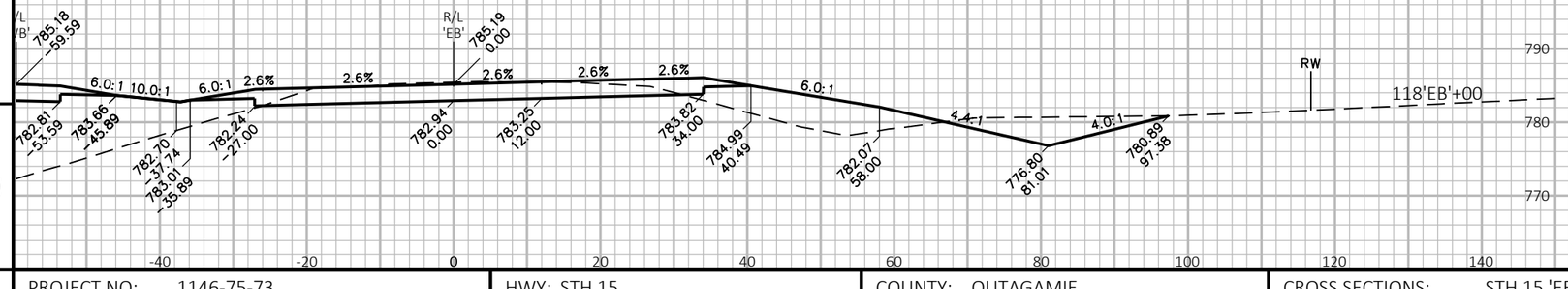
PLOT BY : DANA, SHARON T

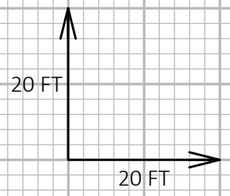
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 523	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(01).DWG
LAYOUT NAME - 090207_xs(01)

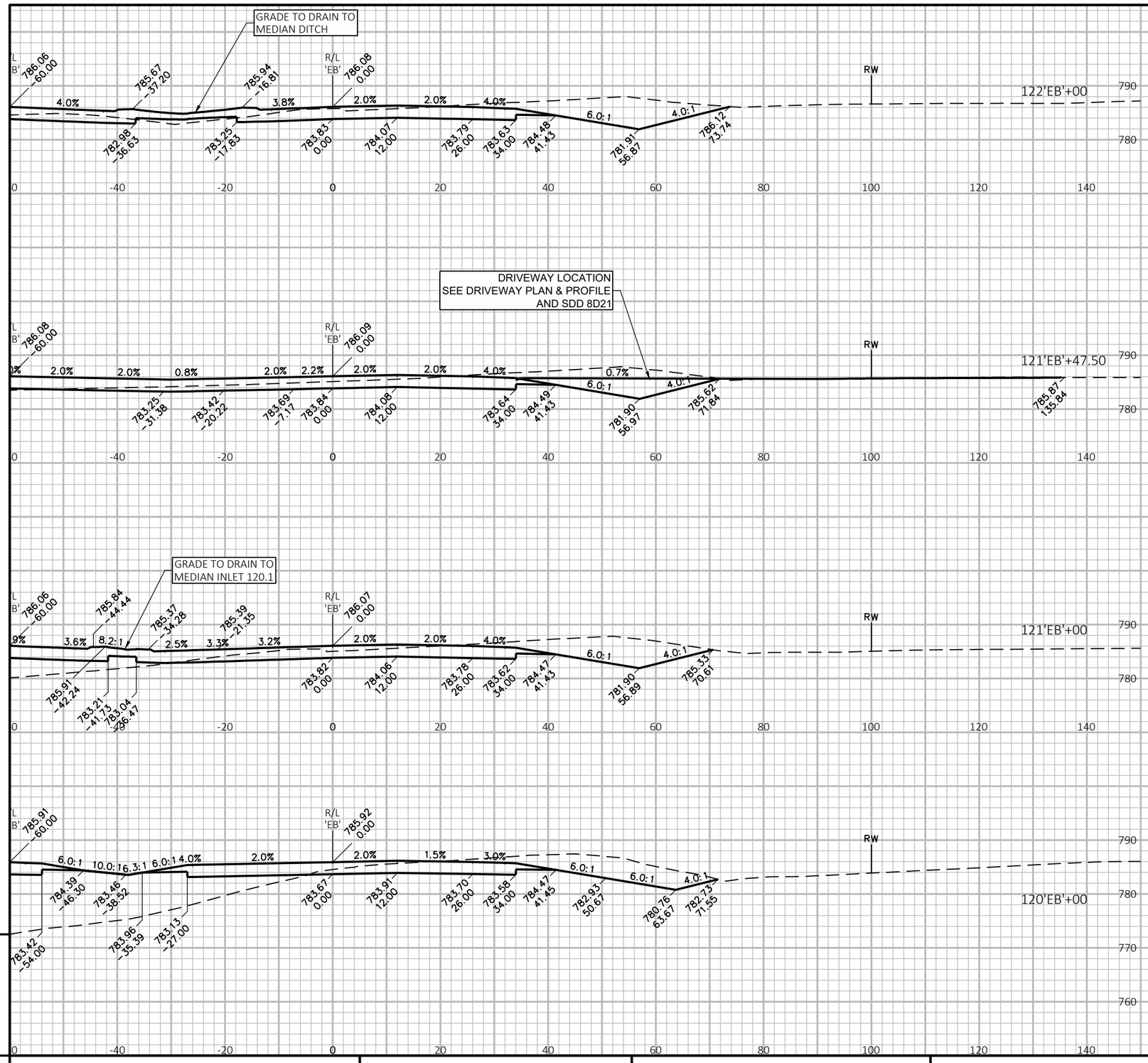
PLOT DATE : 3/31/2023 2:39 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 524	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(01).DWG
LAYOUT NAME - 090208_xs(01)

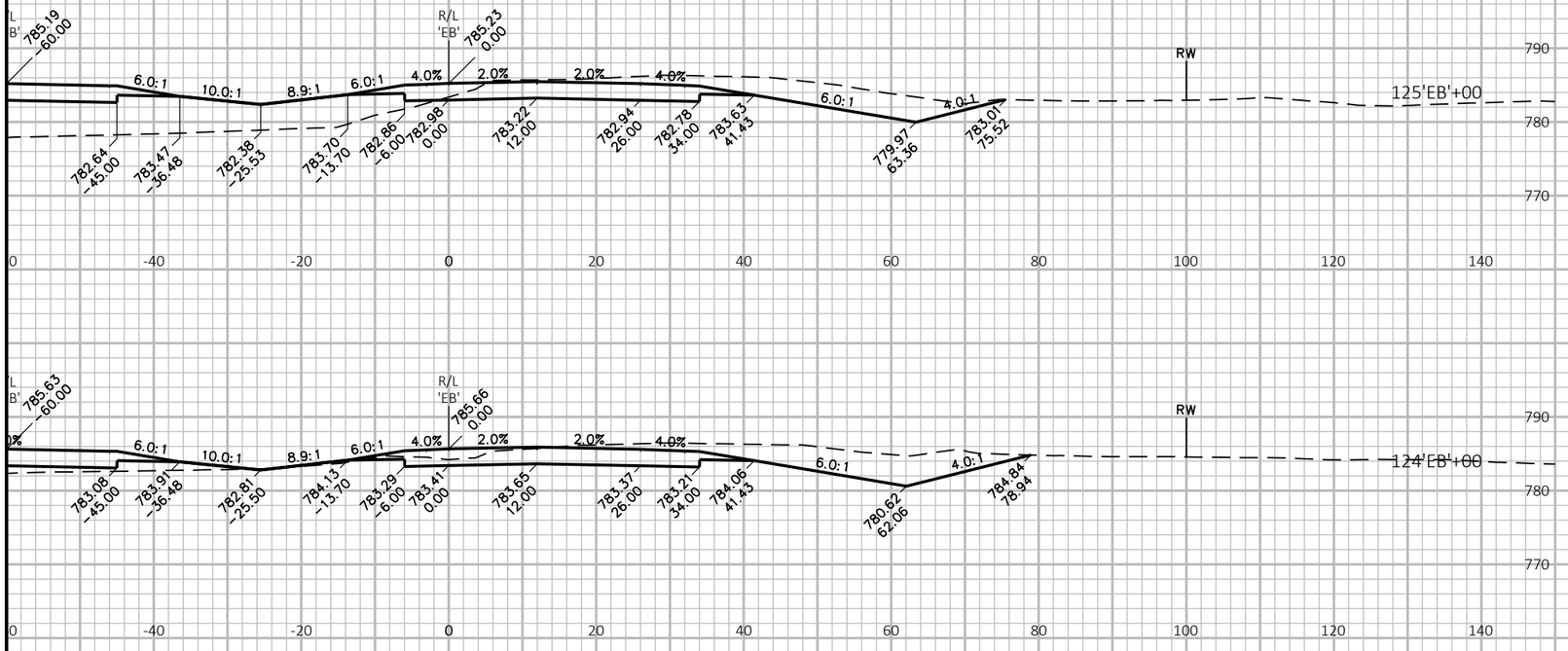
PLOT DATE : 3/31/2023 2:39 PM

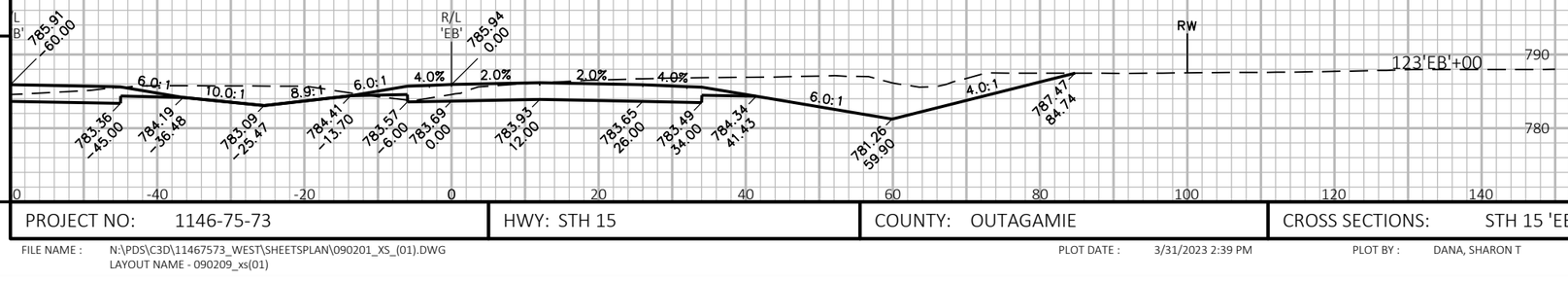
PLOT BY : DANA, SHARON T

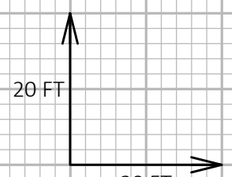
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 525	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(01).DWG
LAYOUT NAME - 090209_xs(01)

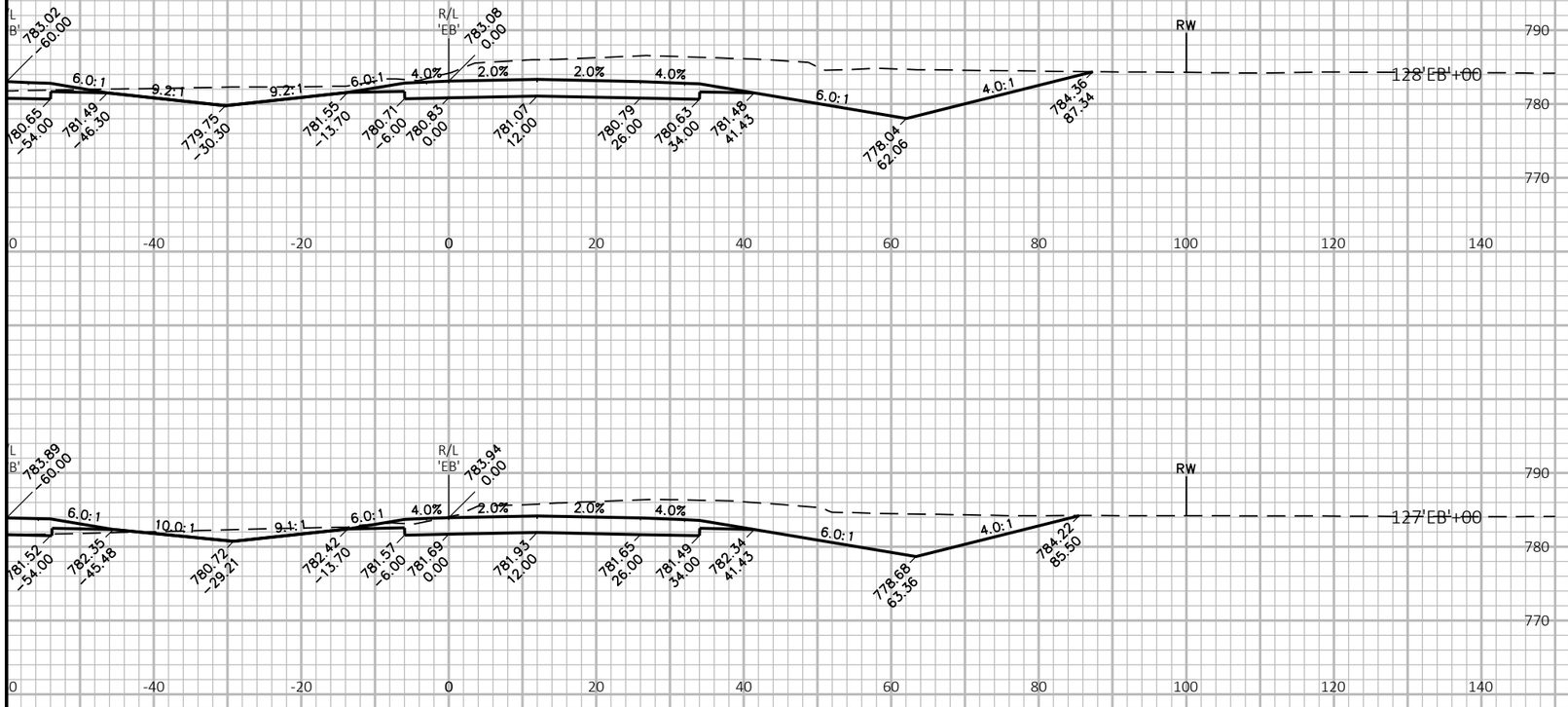
PLOT DATE : 3/31/2023 2:39 PM

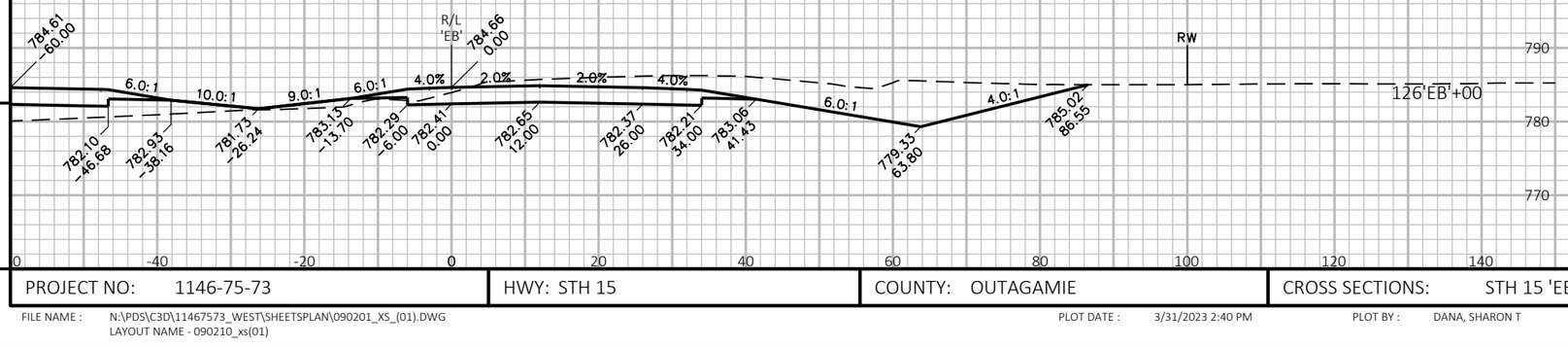
PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 526	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(01).DWG
LAYOUT NAME - 090210_xs(01)

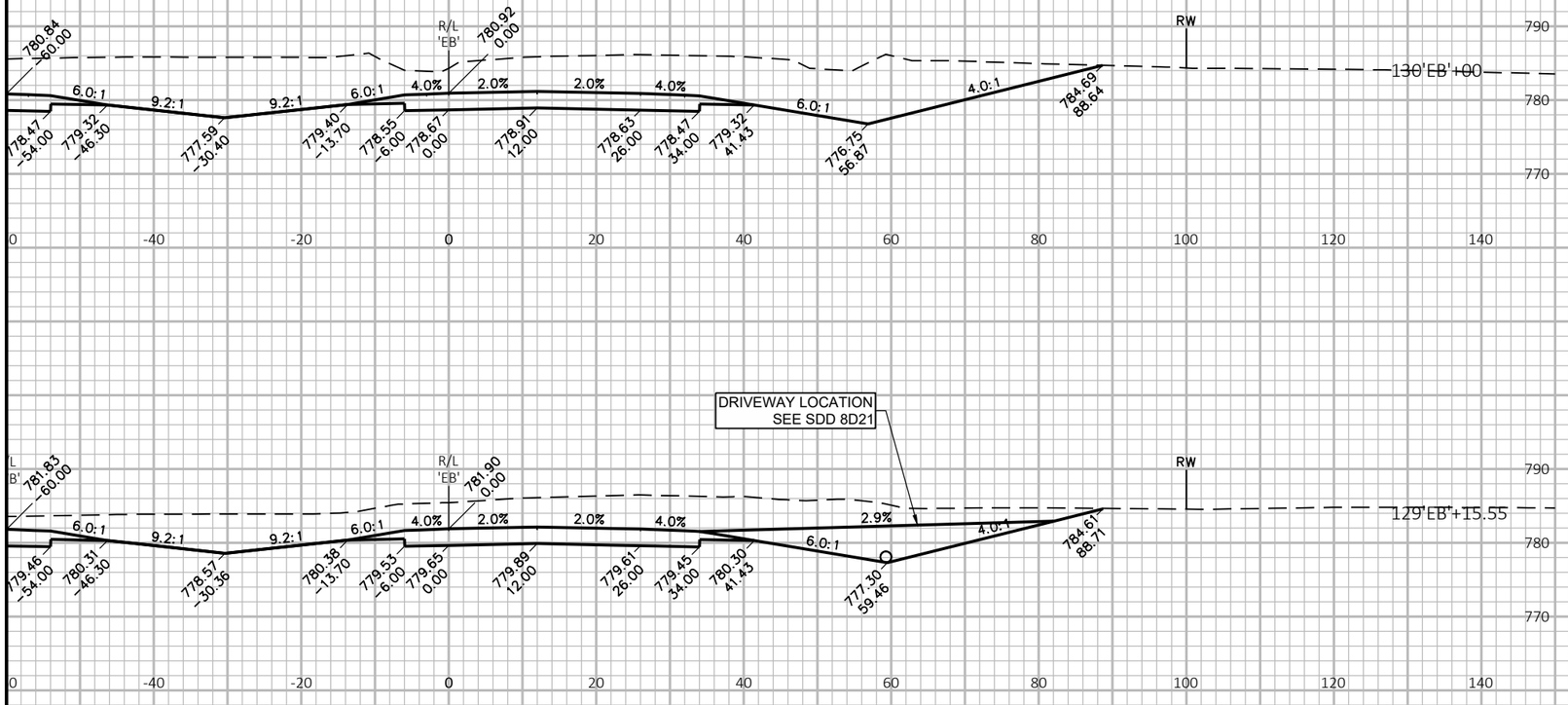
PLOT DATE : 3/31/2023 2:40 PM

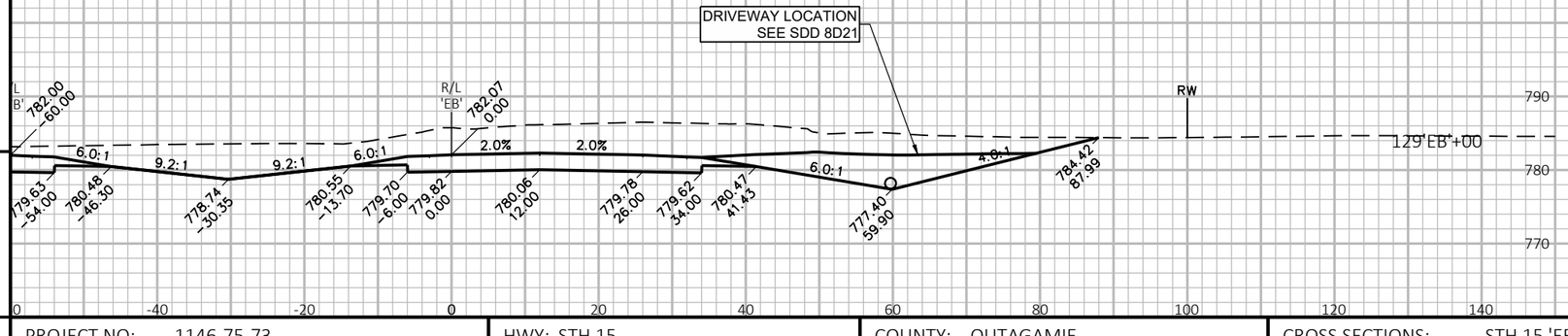
PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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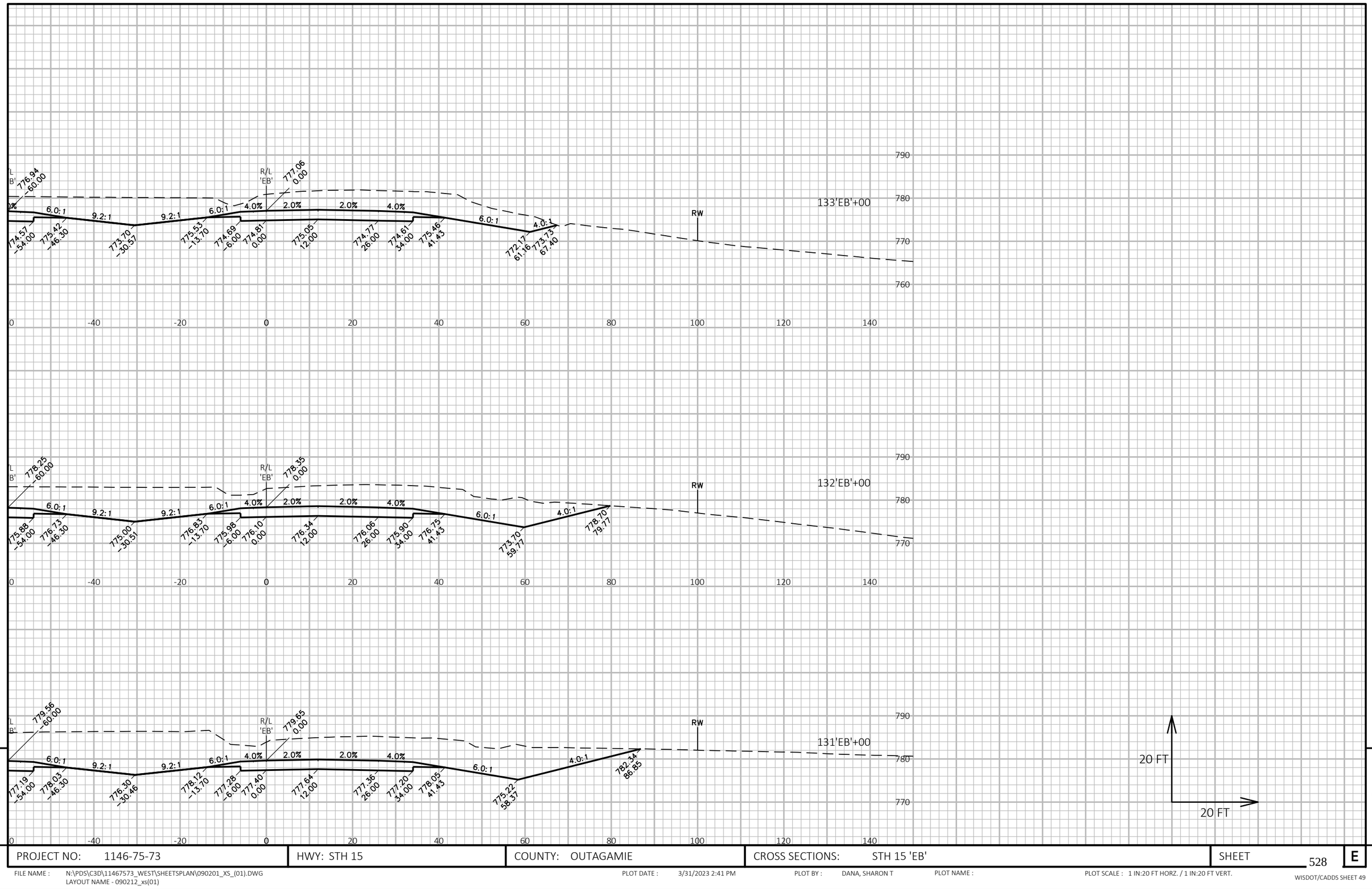
9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 527	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(01).DWG
LAYOUT NAME - 090211_xs(01)
PLOT DATE : 3/31/2023 2:40 PM
PLOT BY : DANA, SHARON T
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 528	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(01).DWG
LAYOUT NAME - 090212_xs(01)

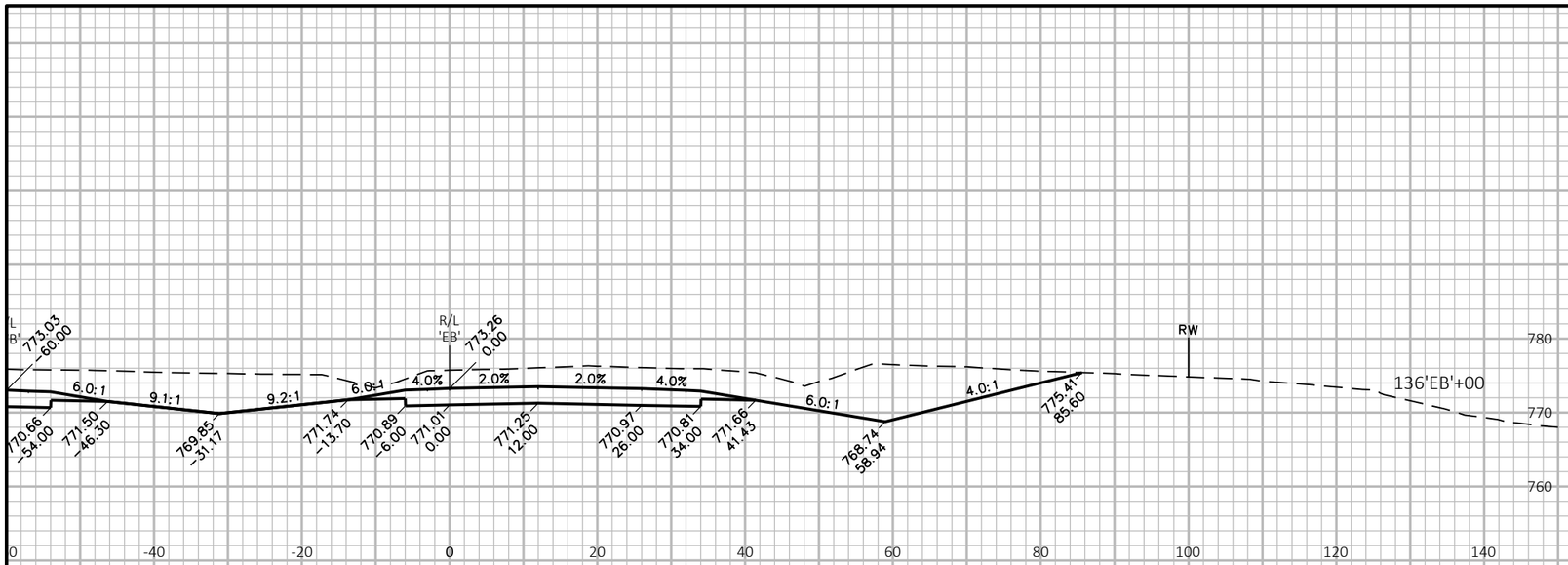
PLOT DATE : 3/31/2023 2:41 PM

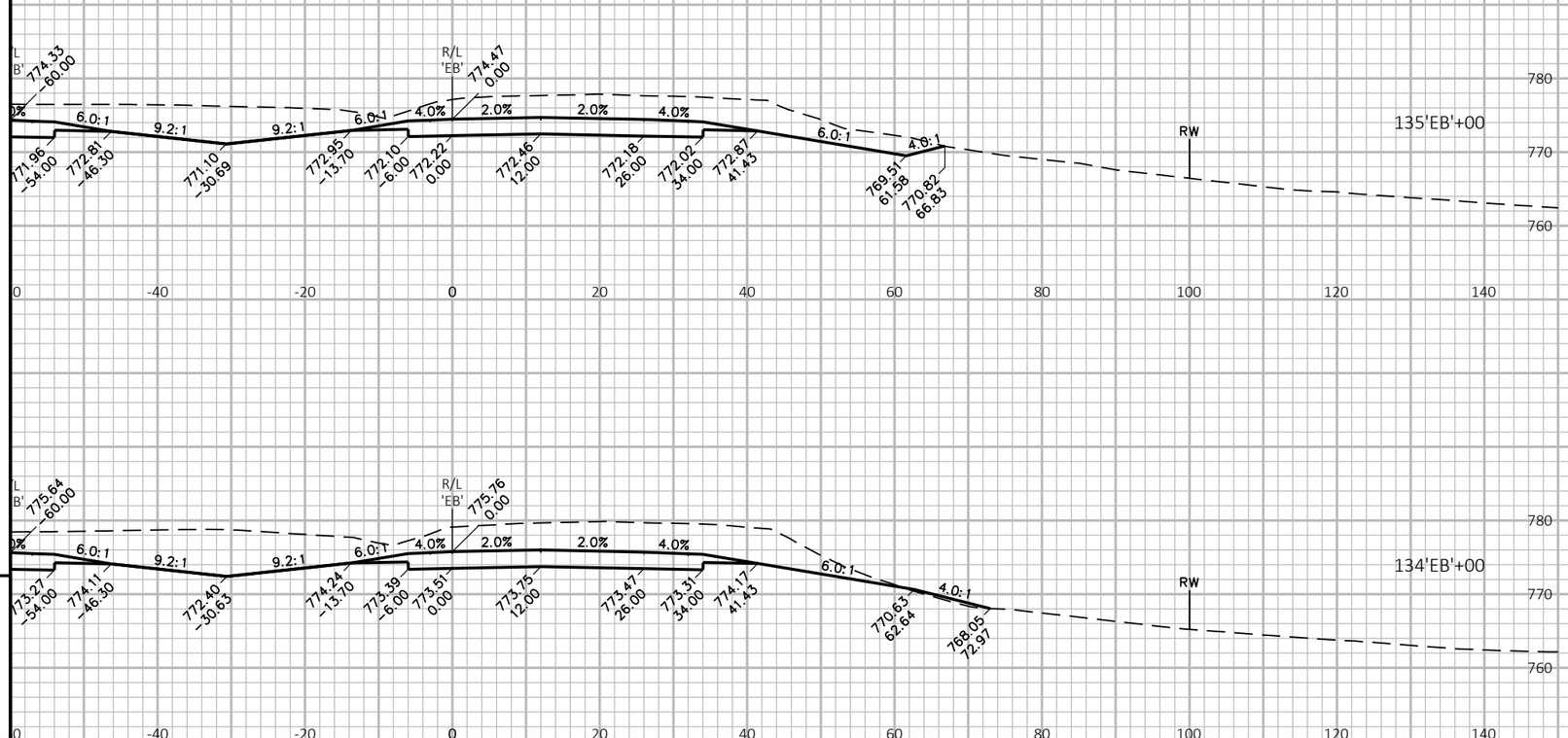
PLOT BY : DANA, SHARON T

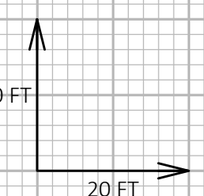
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 529	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(01).DWG
LAYOUT NAME - 090213_xs(01)

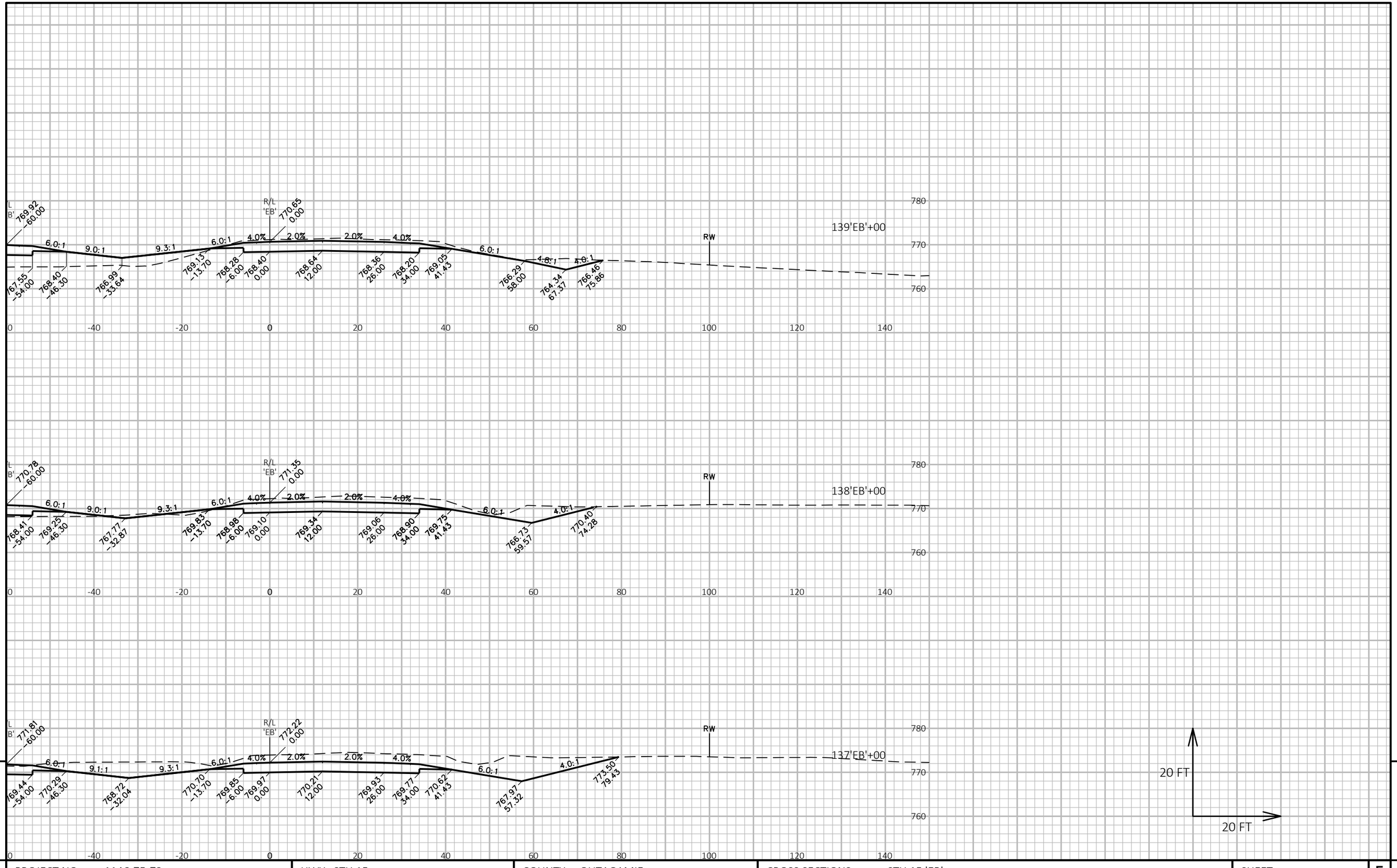
PLOT DATE : 3/31/2023 2:41 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

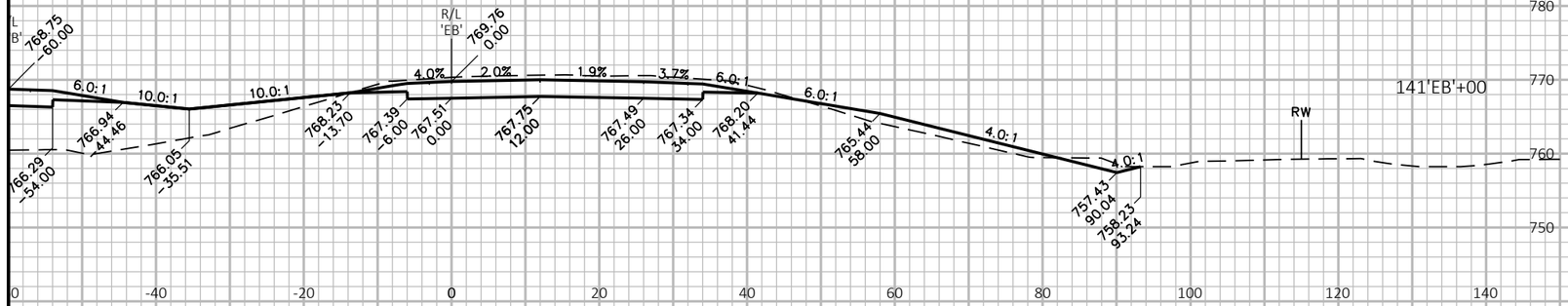


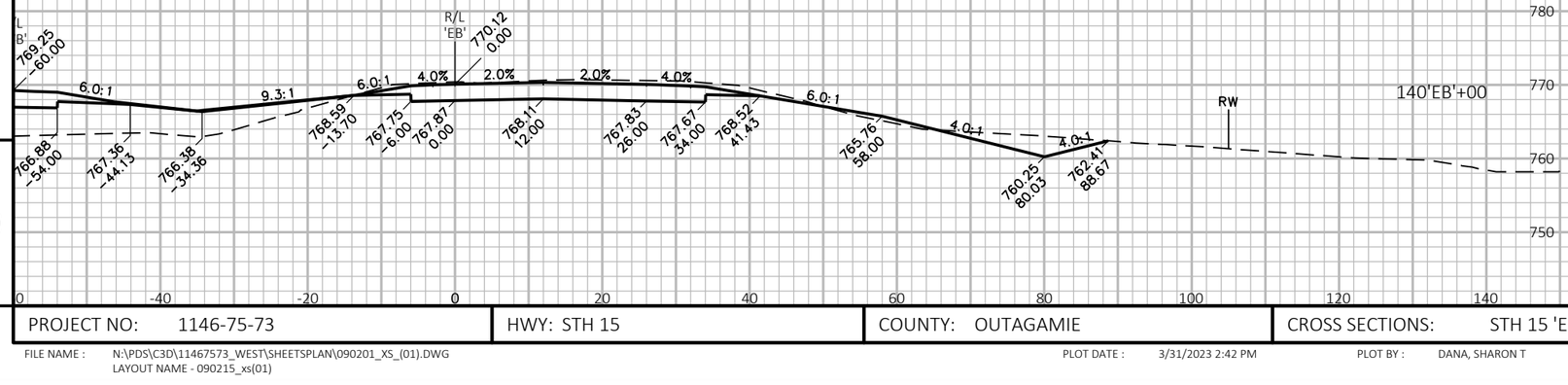
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 530	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(01).DWG
LAYOUT NAME - 090214_xs(01)

PLOT DATE : 3/31/2023 2:41 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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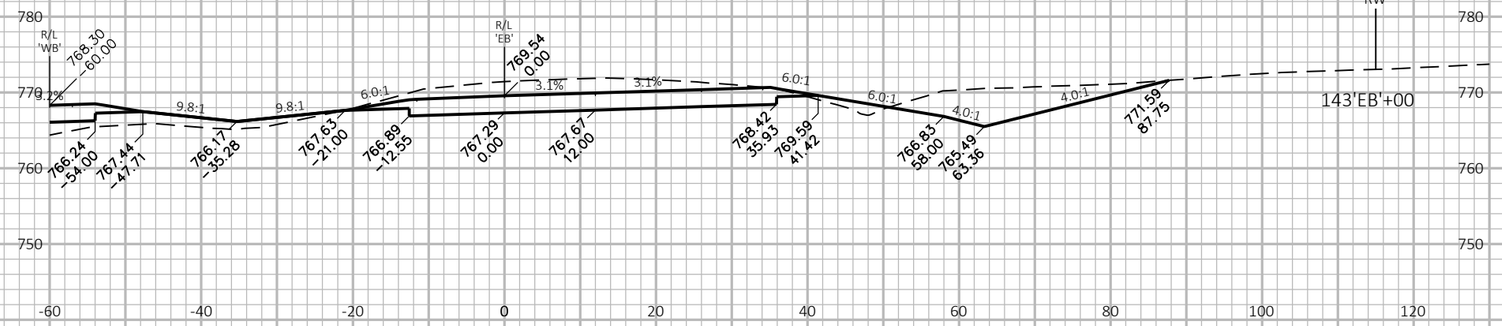
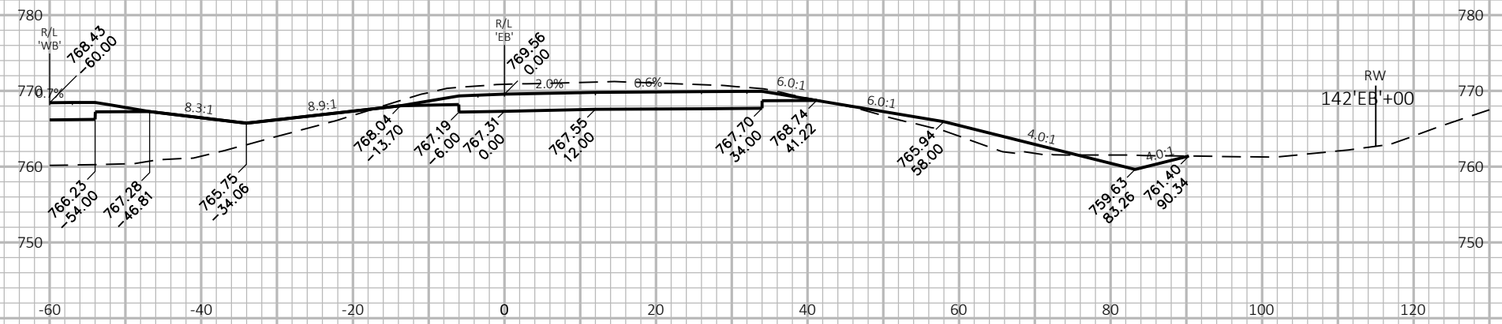
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 531	E

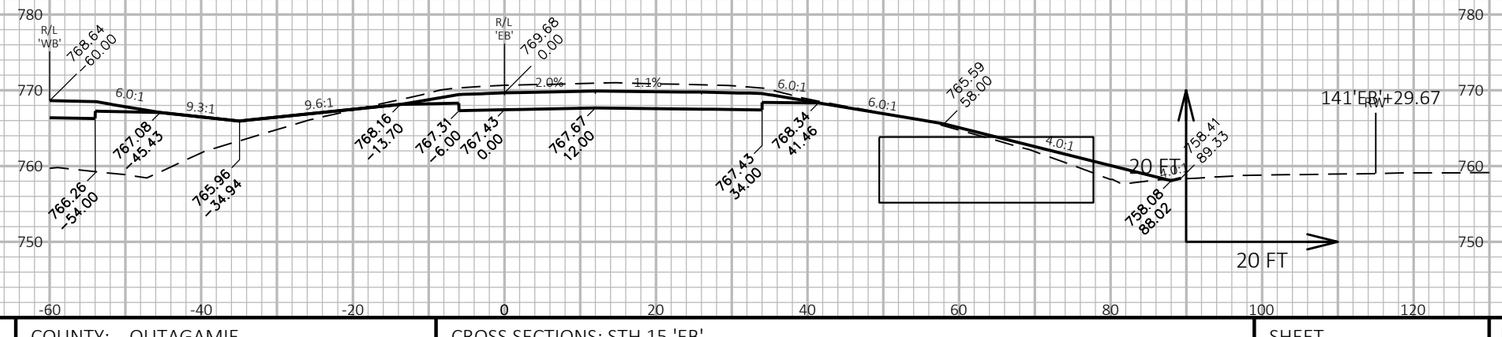
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(01).DWG
LAYOUT NAME - 090215_xs(01)

PLOT DATE : 3/31/2023 2:42 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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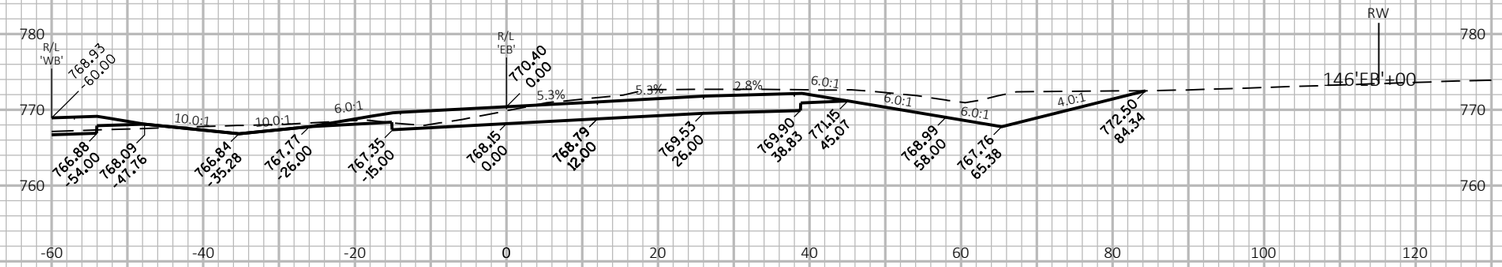
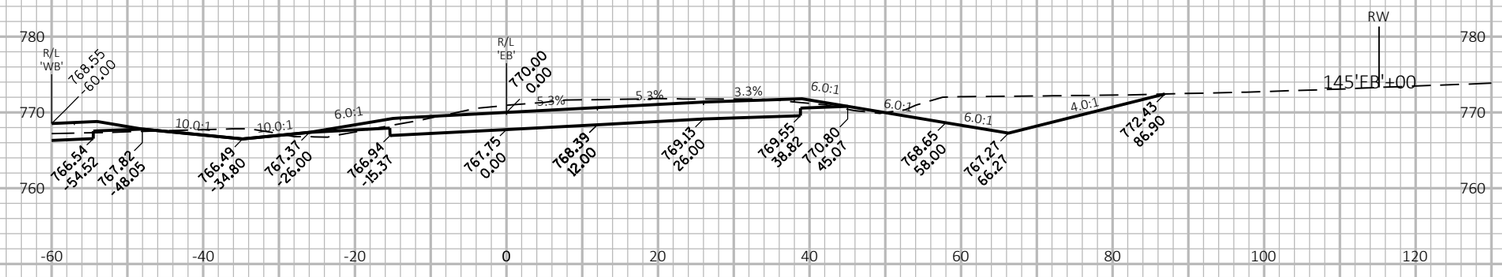
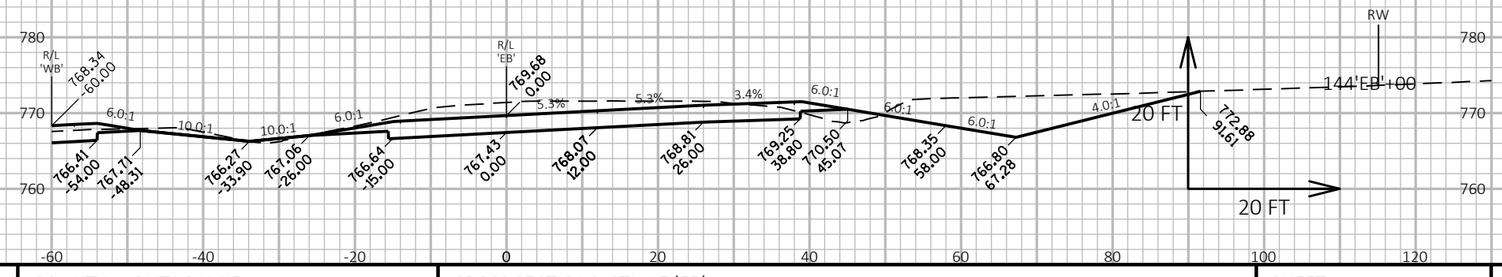
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 532	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090201_xs(02)

PLOT DATE : 3/31/2023 2:48 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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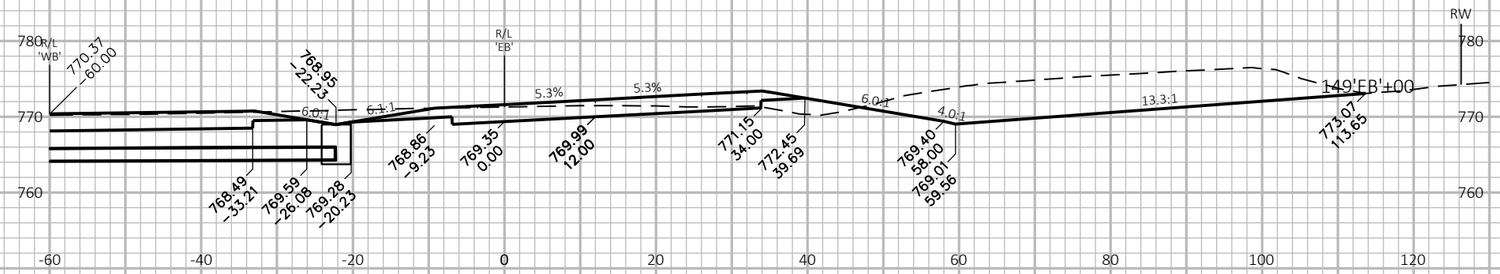
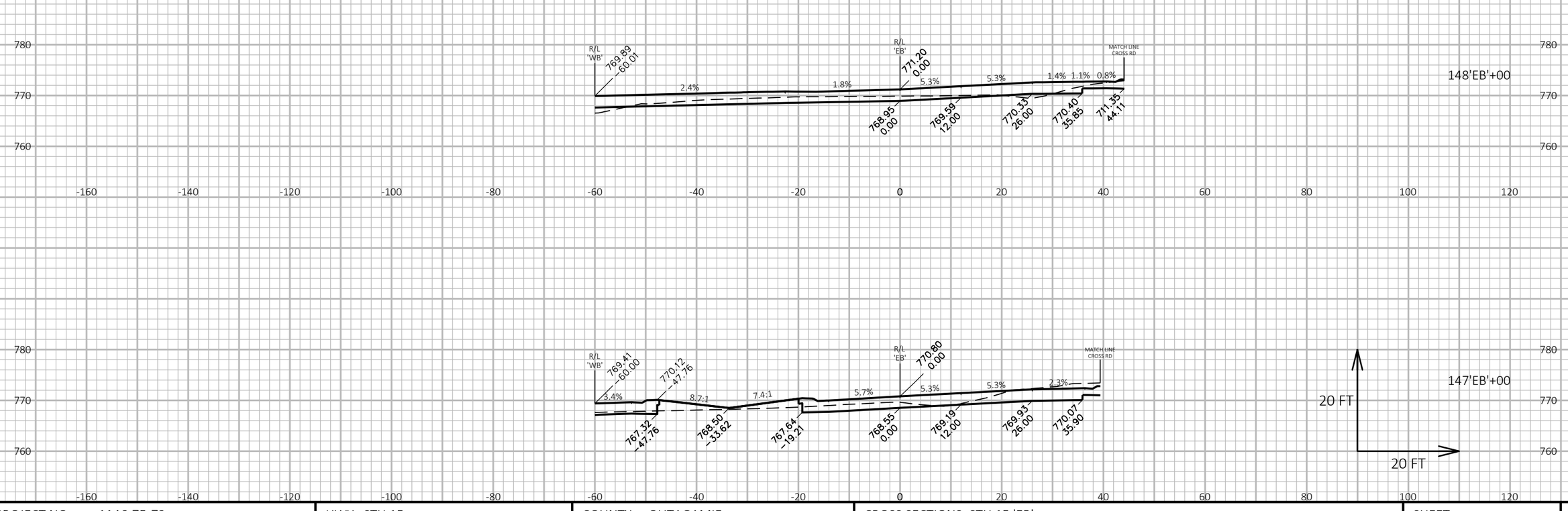
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 533	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090202_xs(02)

PLOT DATE : 4/27/2023 8:06 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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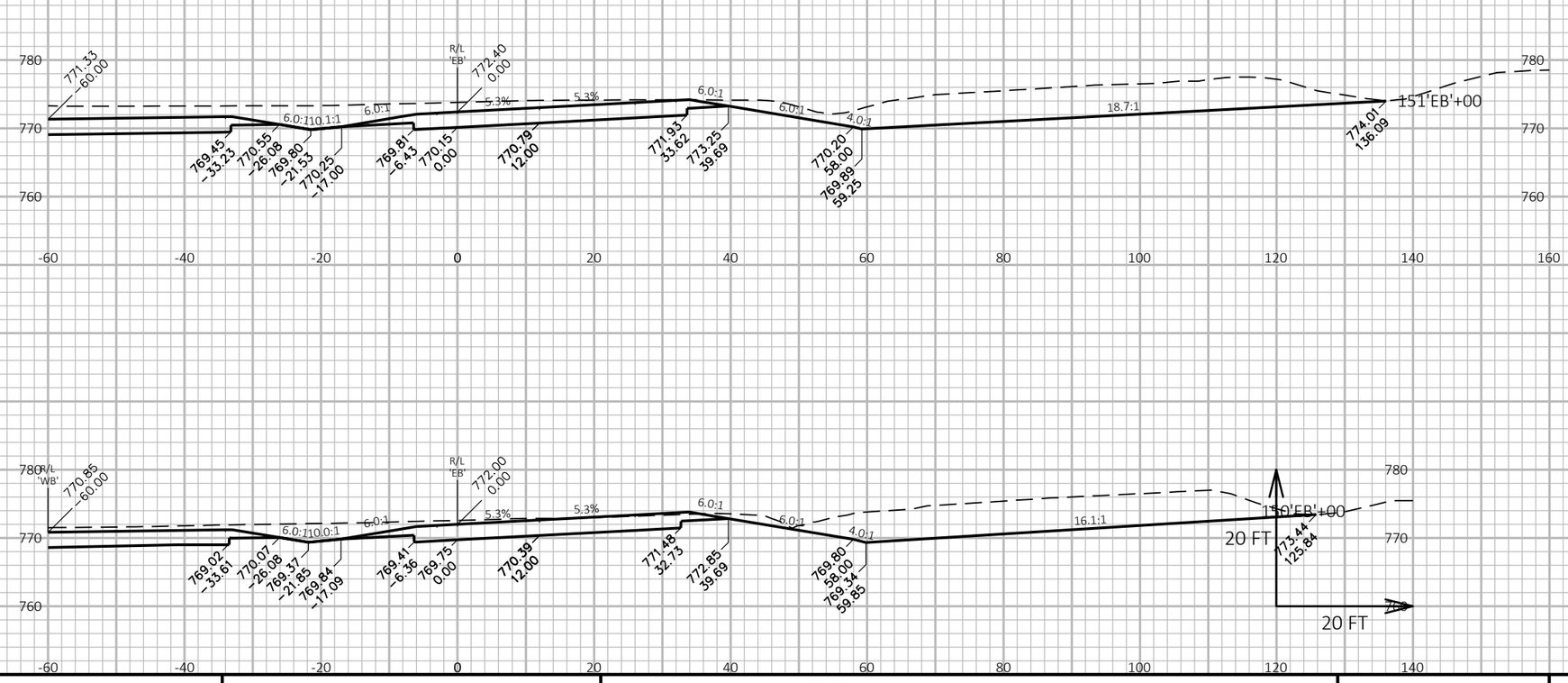
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 534	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090203_xs(02)

PLOT DATE : 3/31/2023 2:48 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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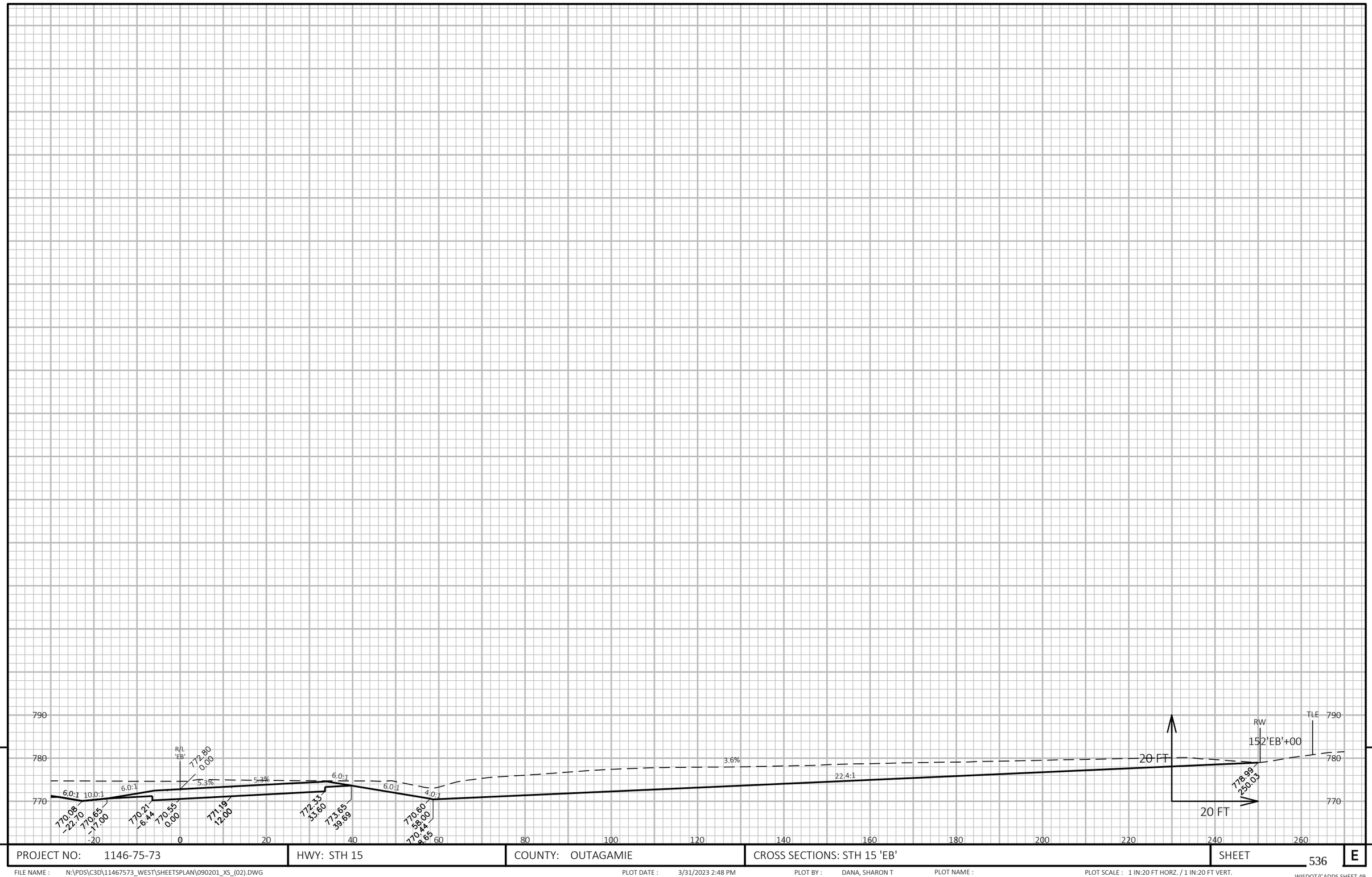
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 535	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090204_xs(02)

PLOT DATE : 3/31/2023 2:48 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 536	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090205_xs(02)

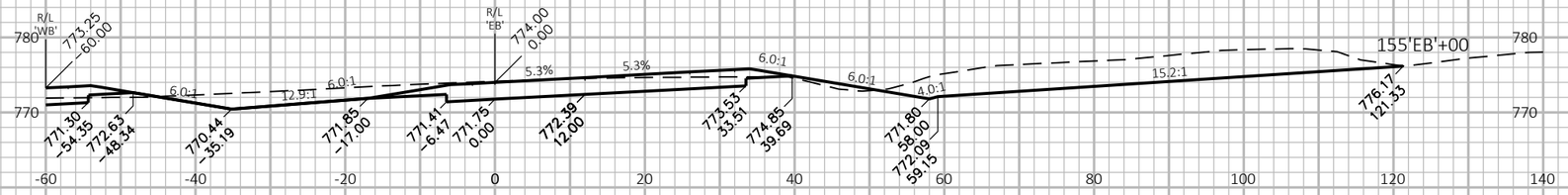
PLOT DATE : 3/31/2023 2:48 PM

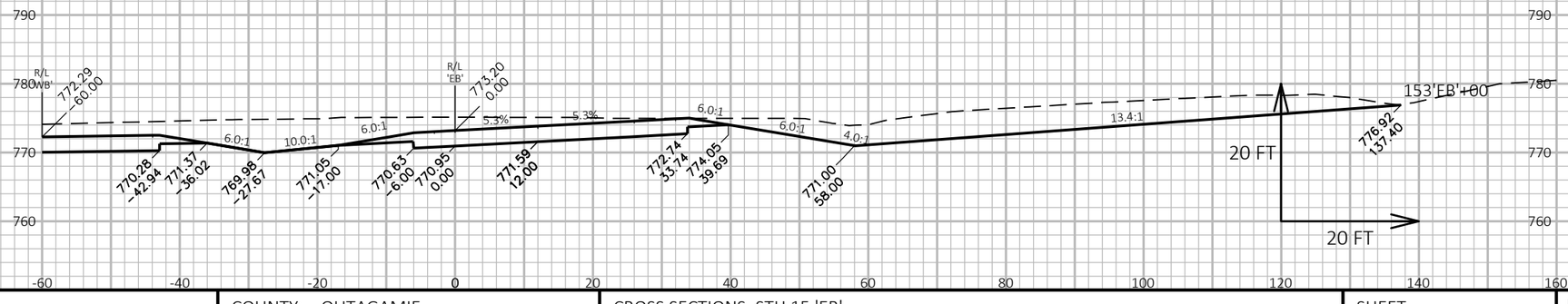
PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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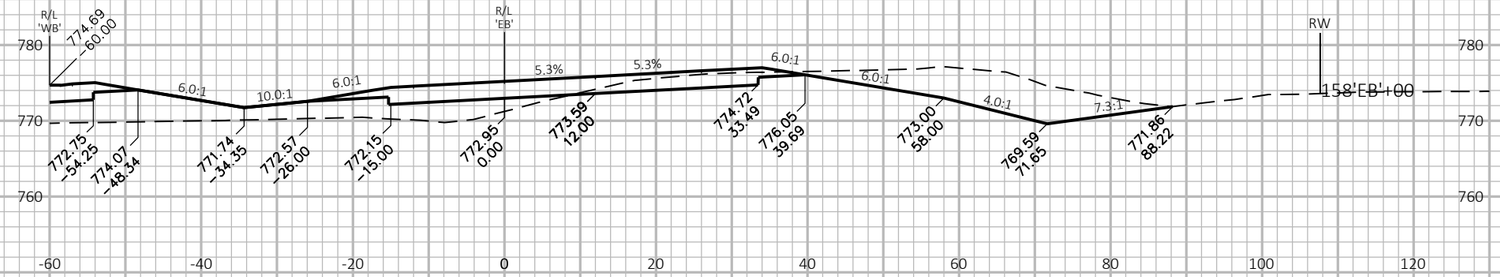
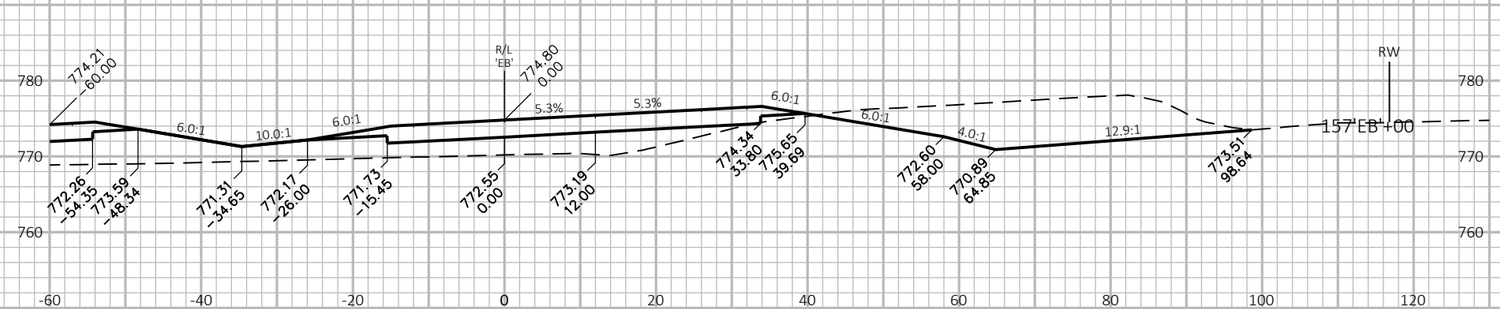
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 537	E

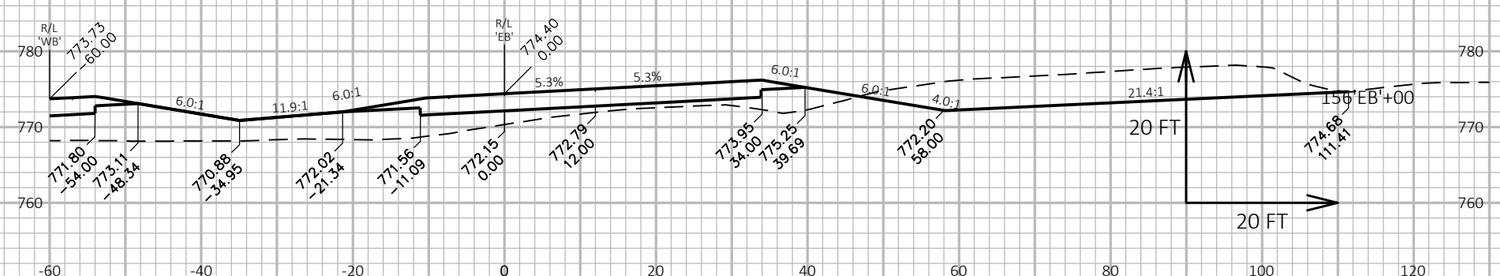
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090206_xs(02)

PLOT DATE : 3/31/2023 2:48 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 538	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090207_xs(02)

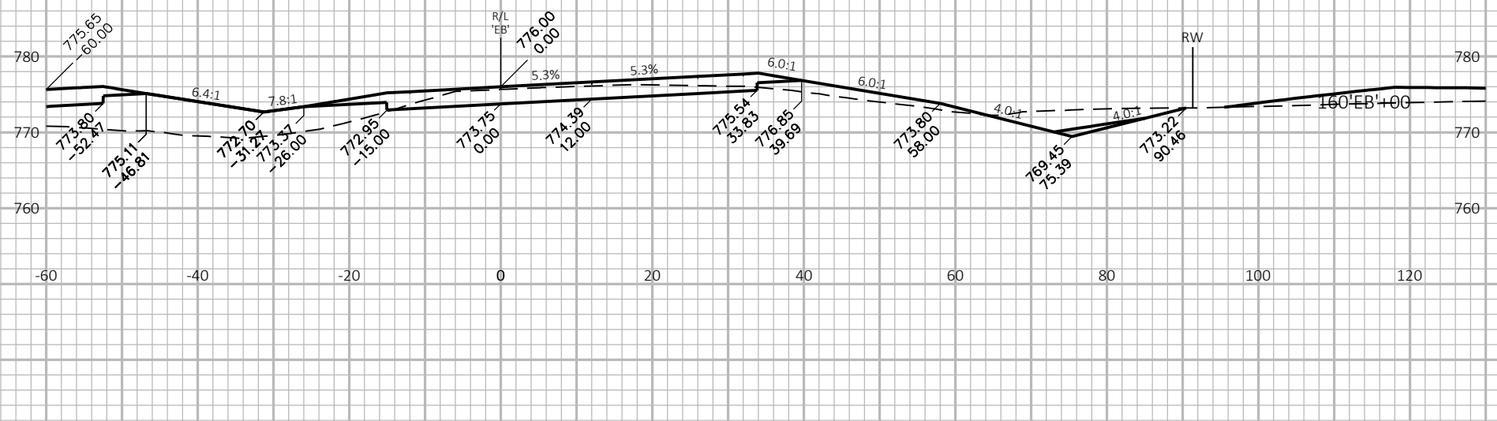
PLOT DATE : 3/31/2023 2:49 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 539	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090208_xs(02)

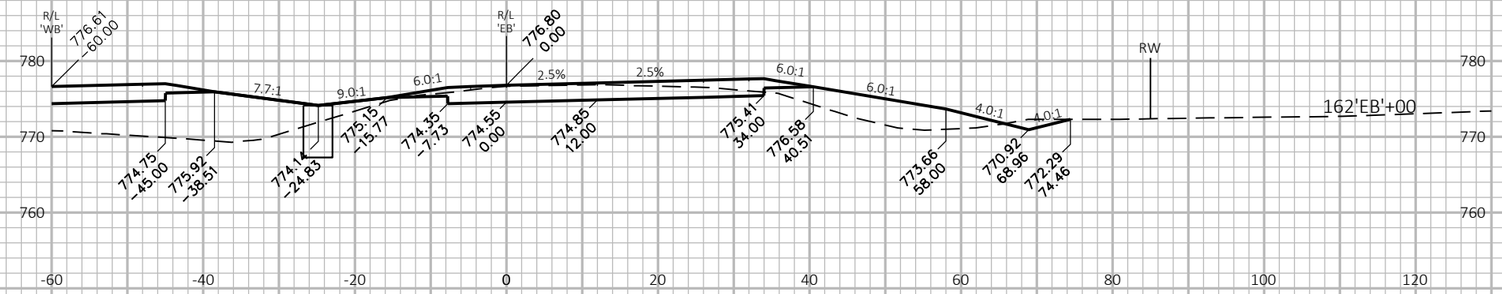
PLOT DATE : 3/31/2023 2:49 PM

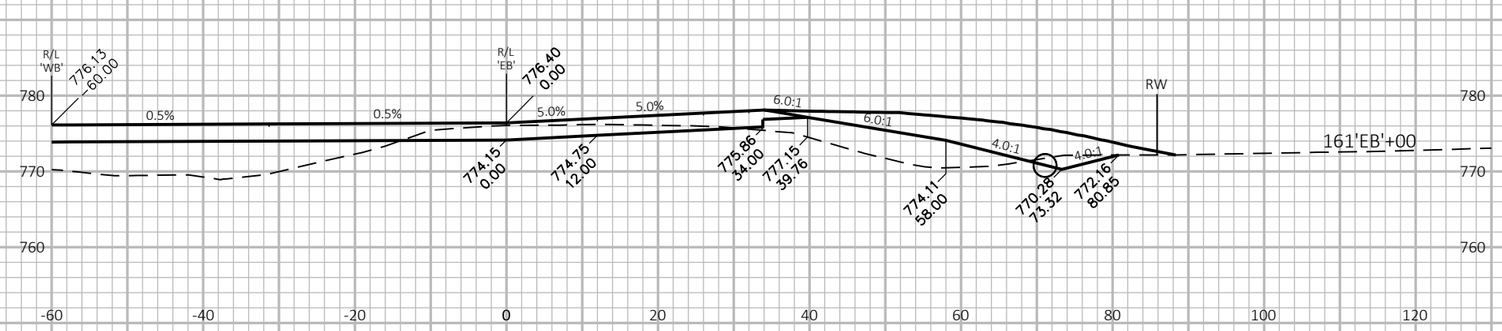
PLOT BY : DANA, SHARON T

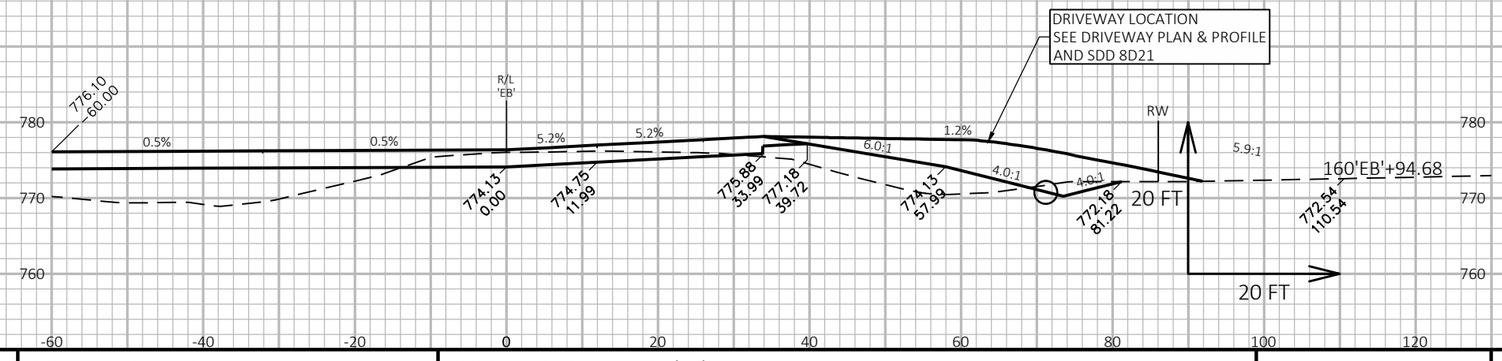
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





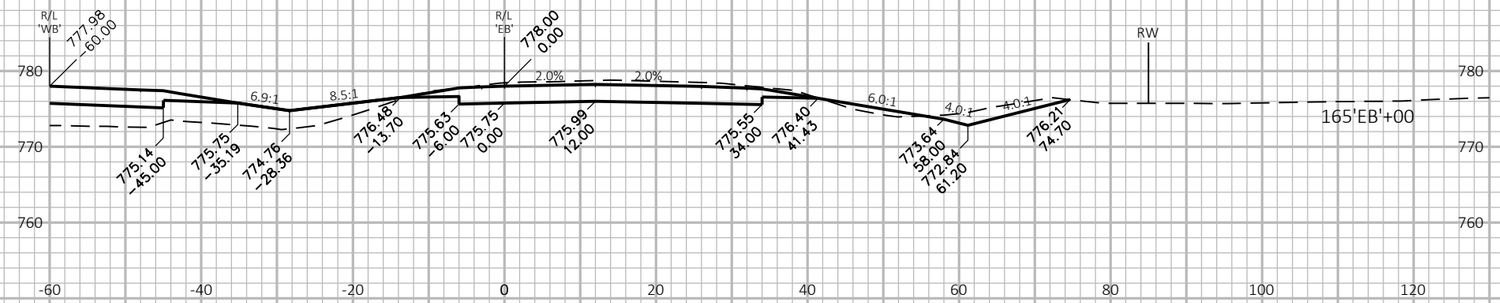


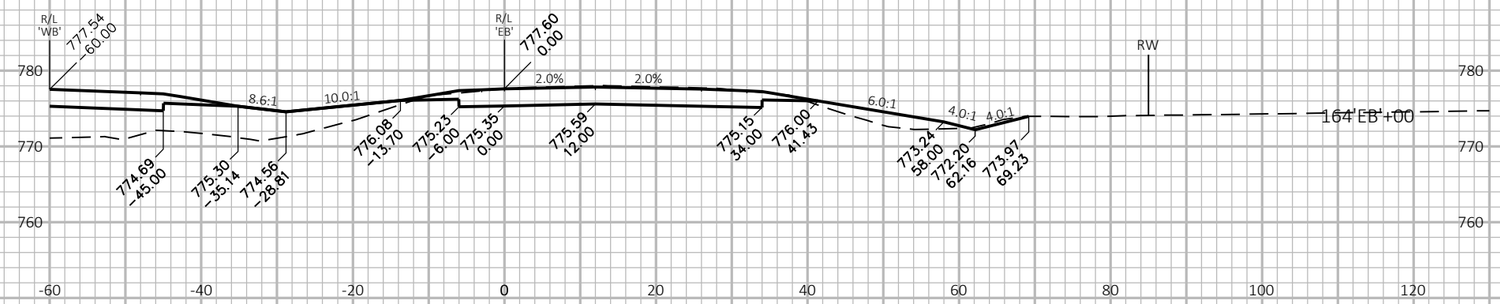
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 540	E

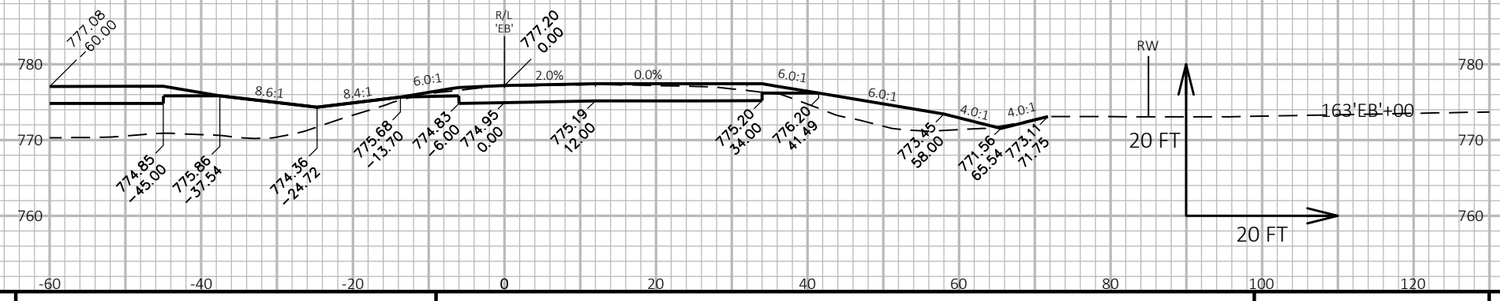
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090209_xs(02)

PLOT DATE : 3/31/2023 2:49 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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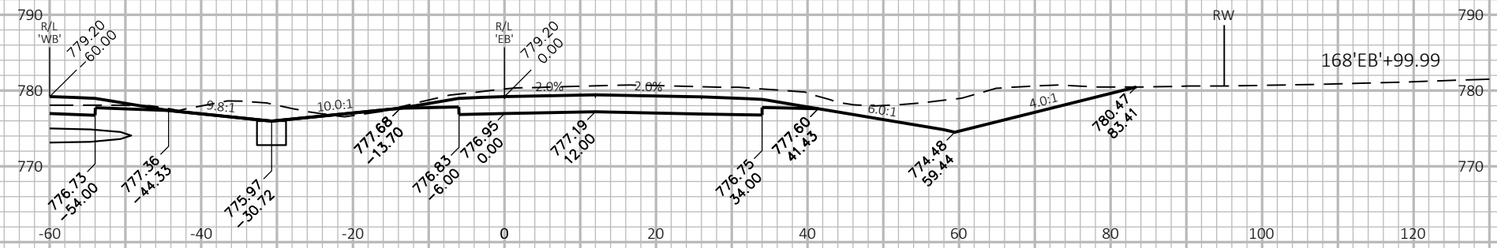
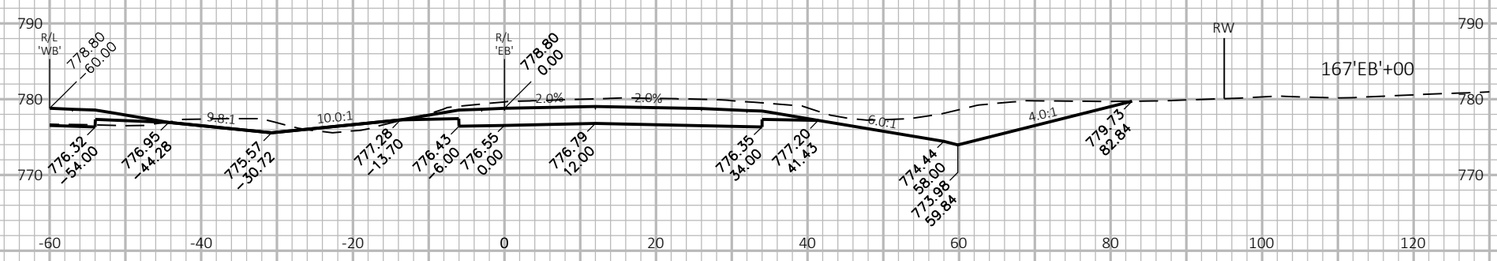
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 541	E

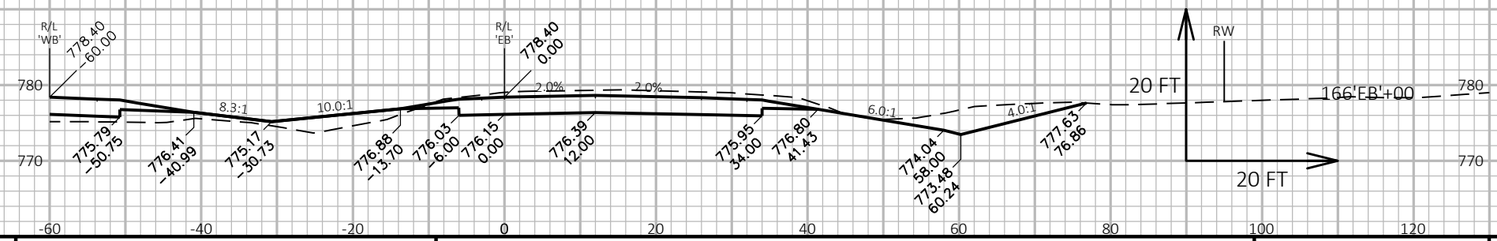
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090210_xs(02)

PLOT DATE : 3/31/2023 2:49 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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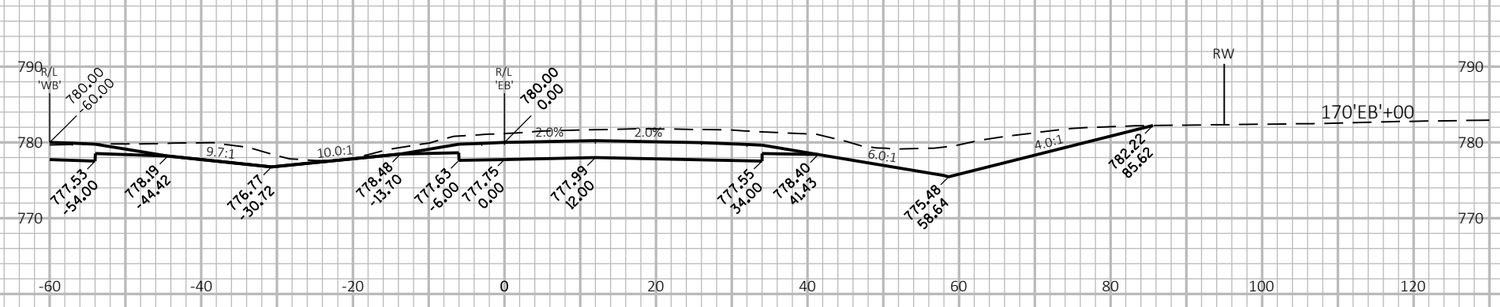
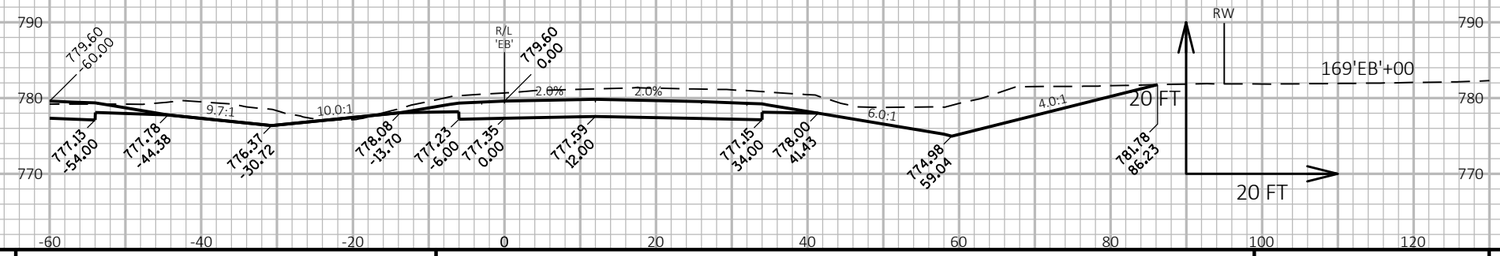
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 542	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090211_xs(02)

PLOT DATE : 3/31/2023 2:49 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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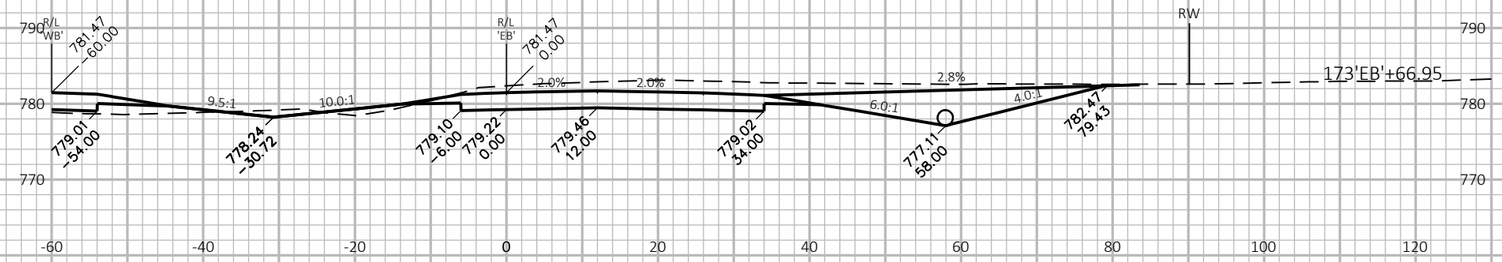
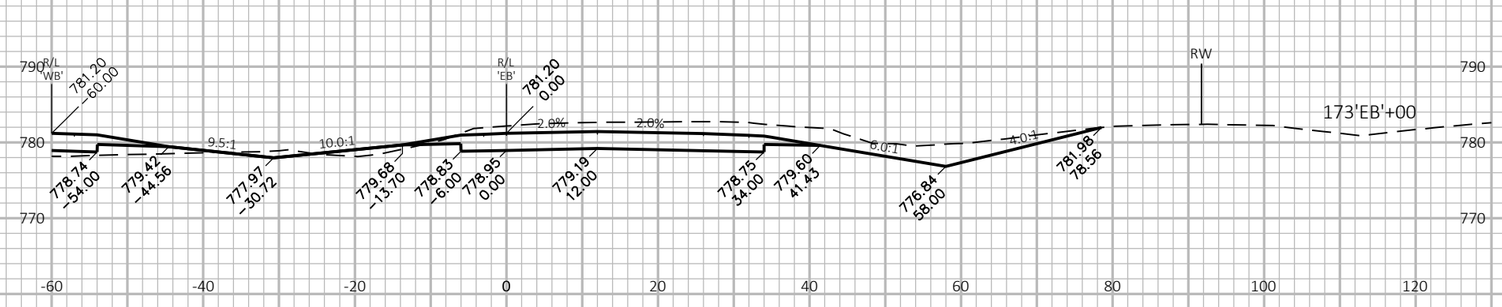
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 543	E

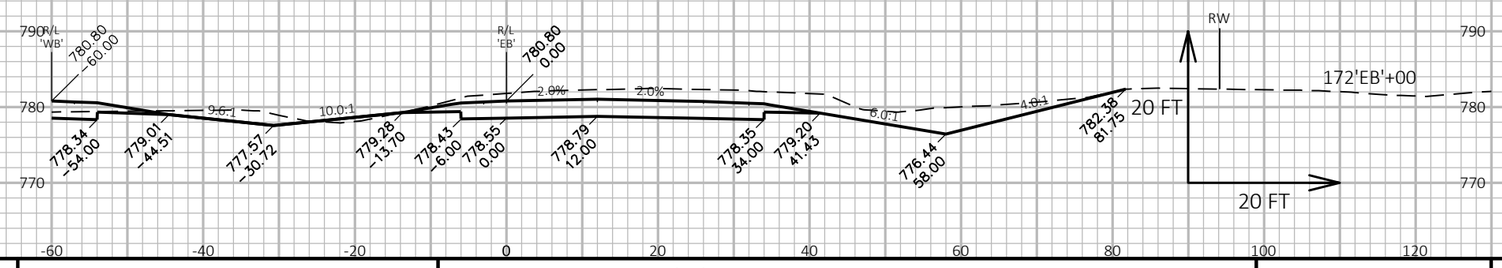
FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090212_xs(02)

PLOT DATE : 4/27/2023 8:08 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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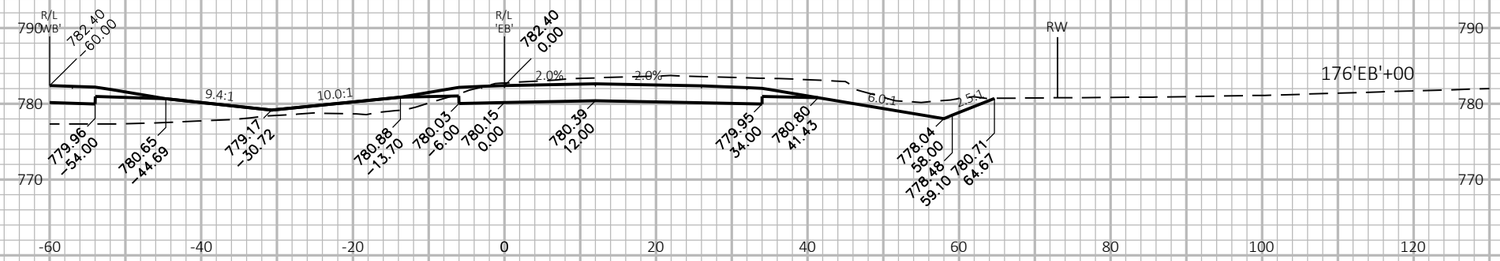
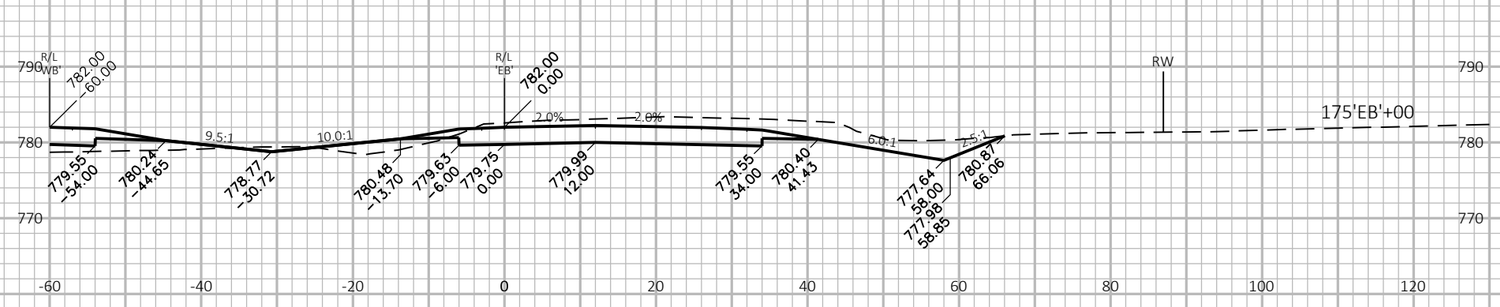
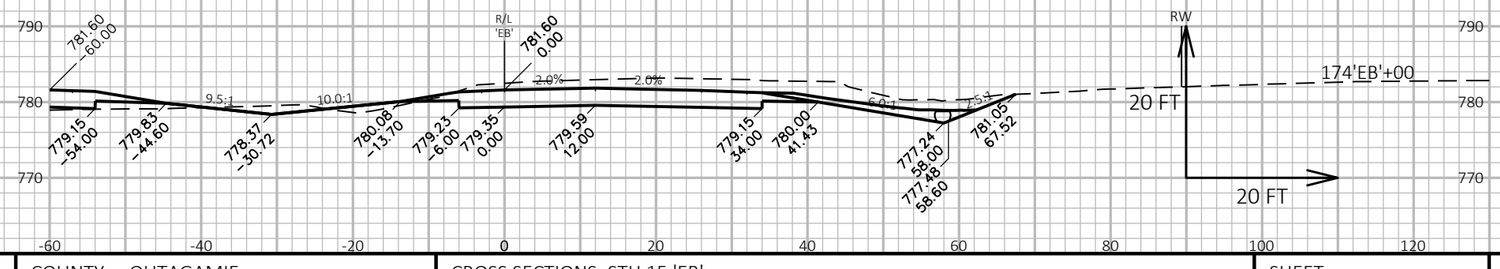
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 544	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090213_xs(02)

PLOT DATE : 3/31/2023 2:50 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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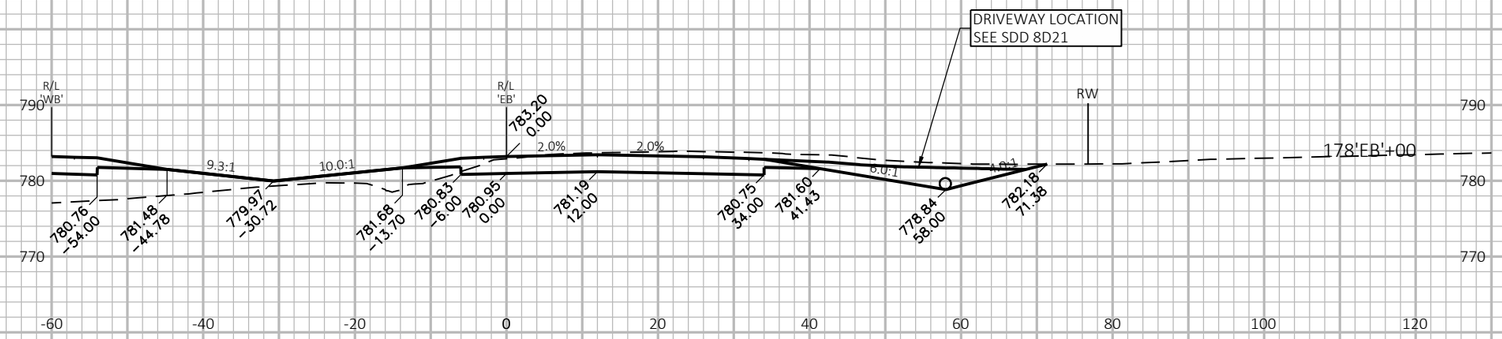
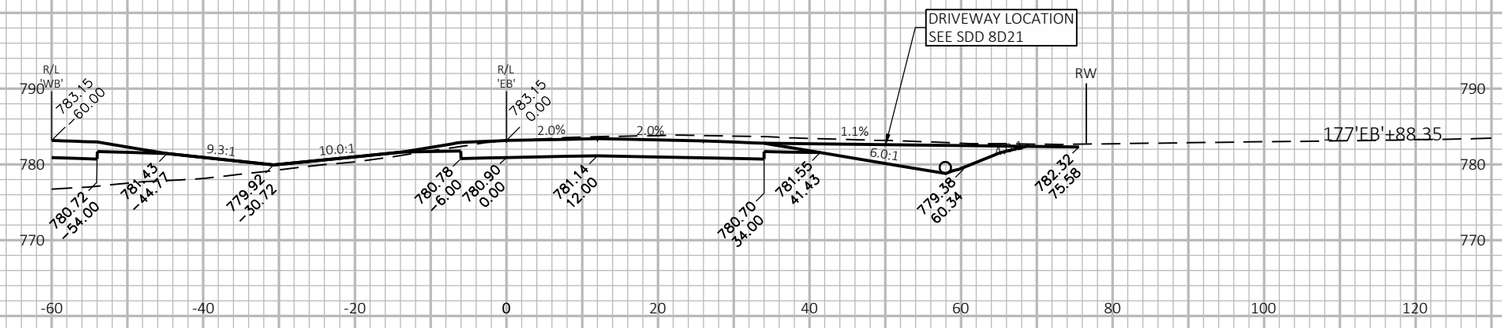
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 545	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090214_xs(02)

PLOT DATE : 3/31/2023 2:50 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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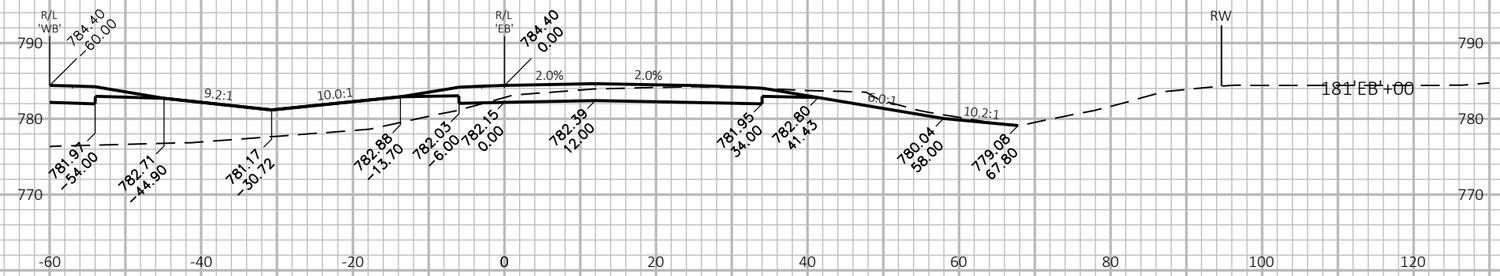
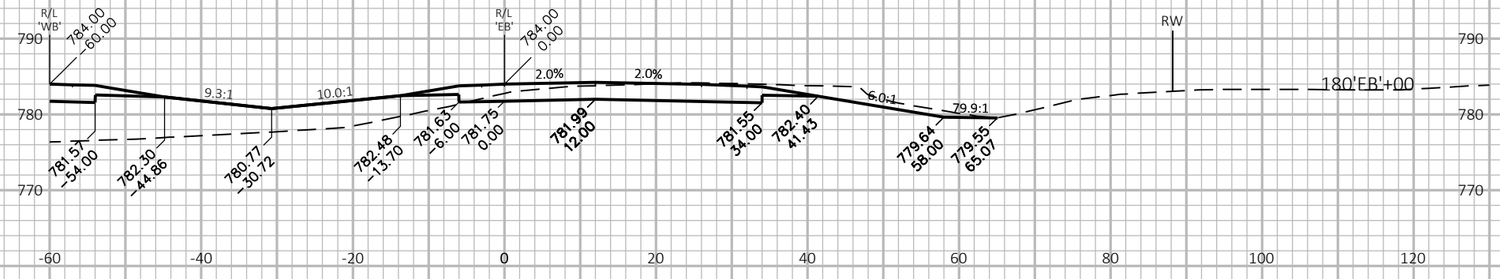
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 546	E

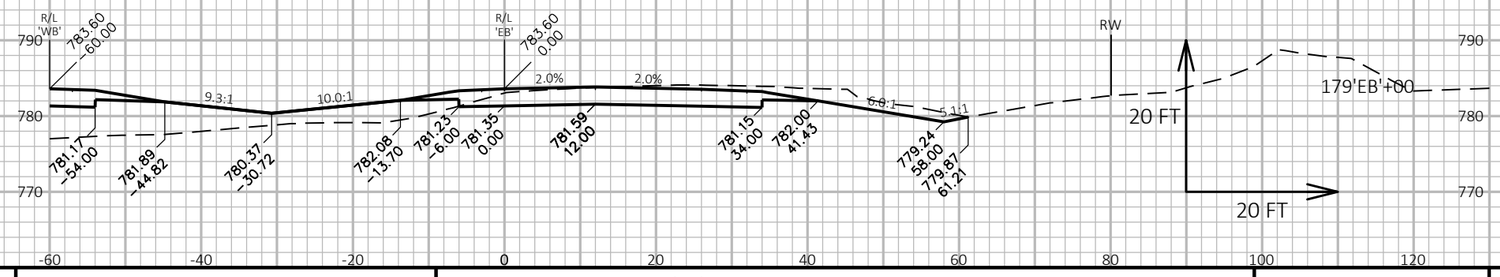
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090215_xs(02)

PLOT DATE : 3/31/2023 2:50 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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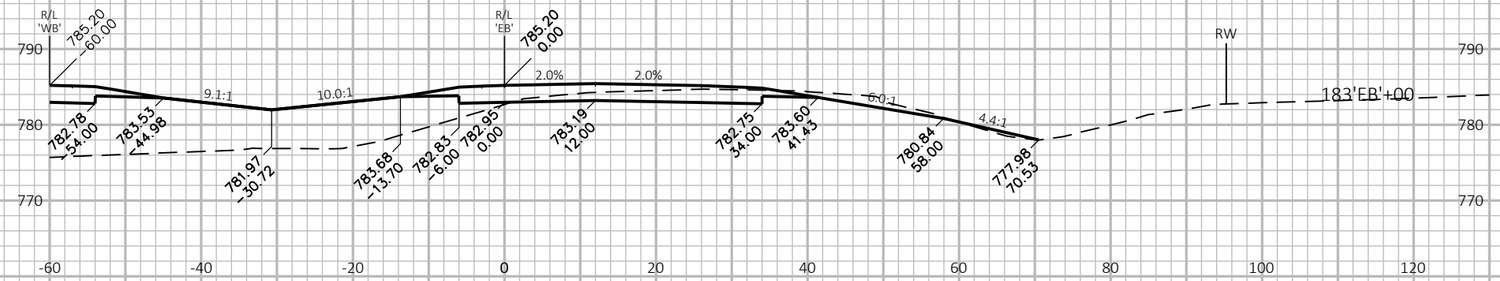
9

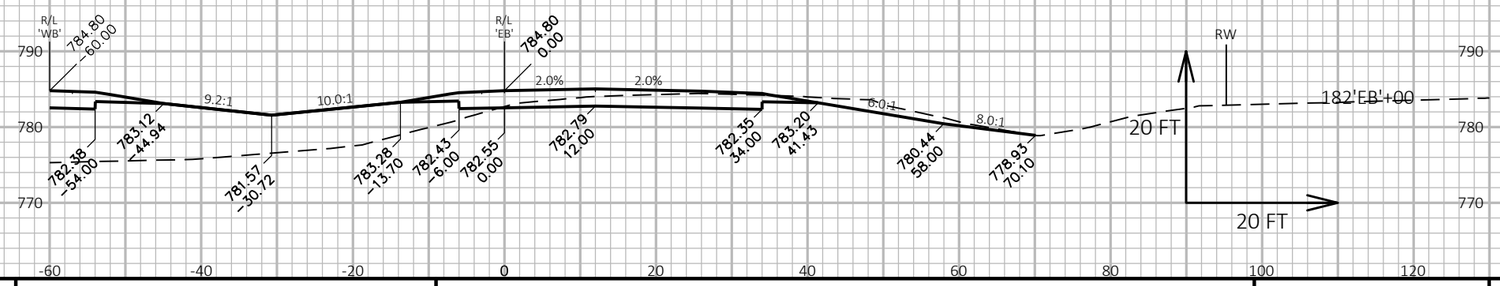
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 547	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090216_xs(02)

PLOT DATE : 3/31/2023 2:50 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 548	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090217_xs(02)

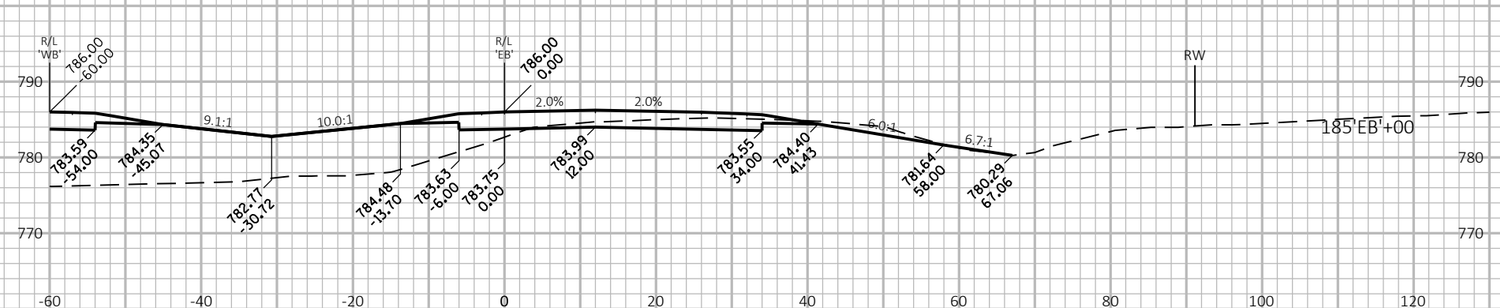
PLOT DATE : 3/31/2023 2:50 PM

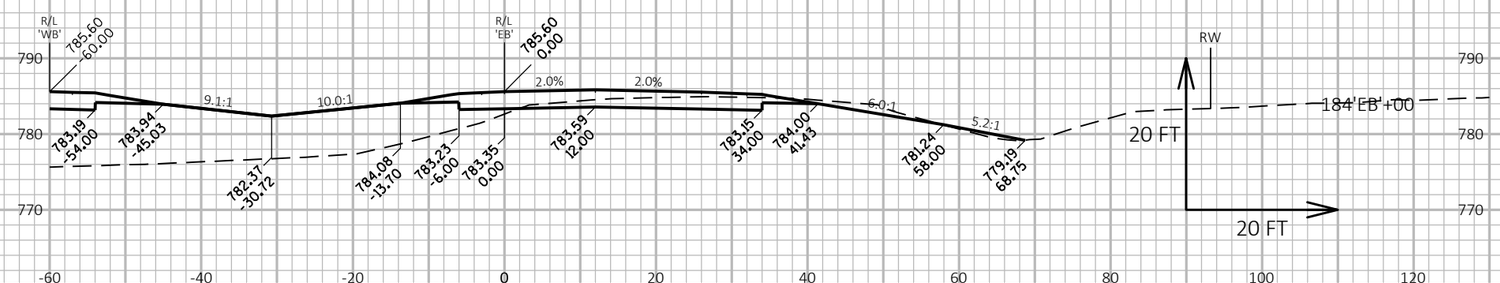
PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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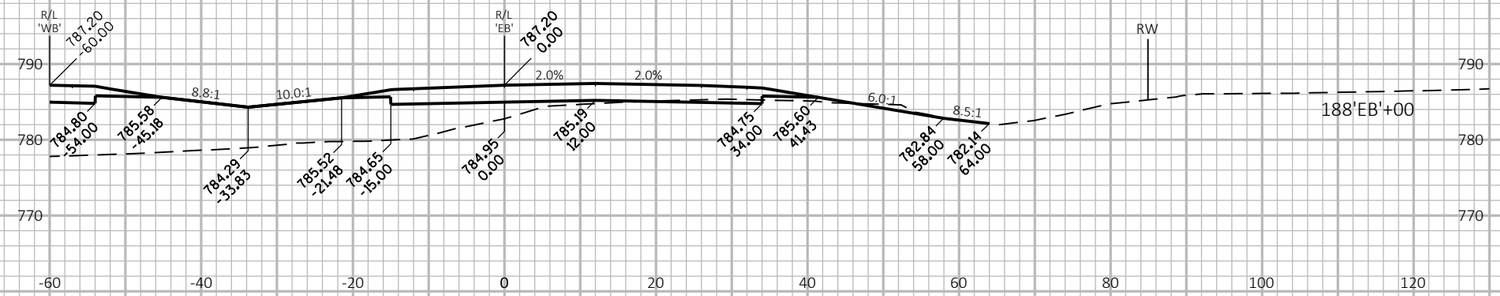
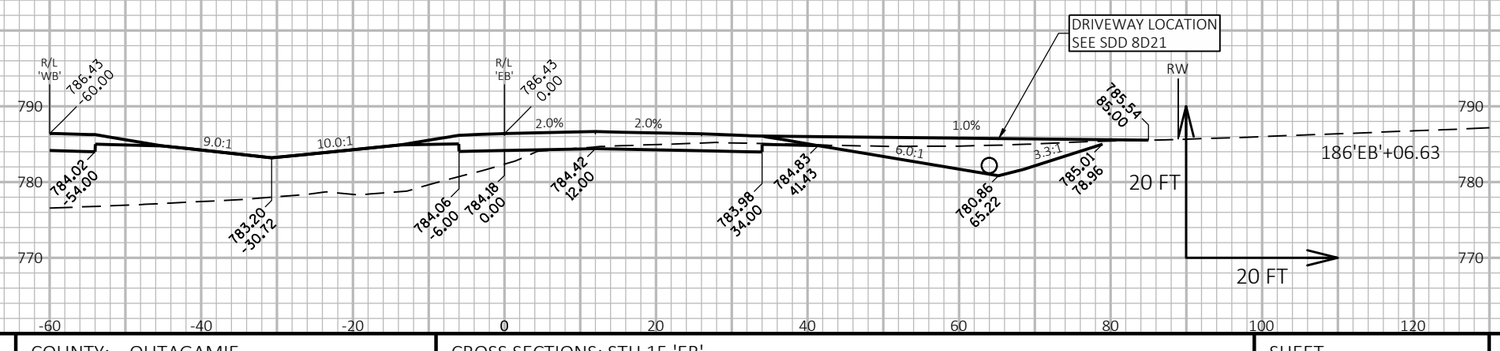
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 549	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090218_xs(02)

PLOT DATE : 4/28/2023 8:16 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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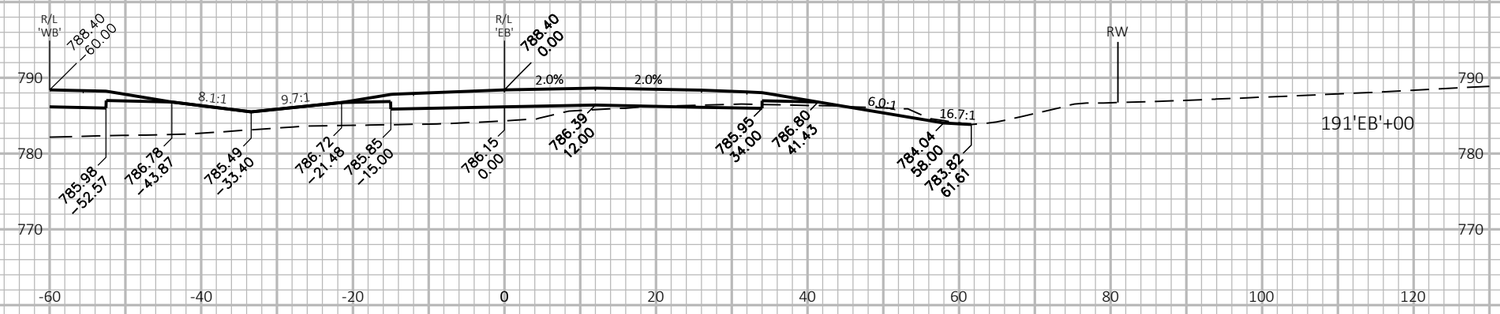
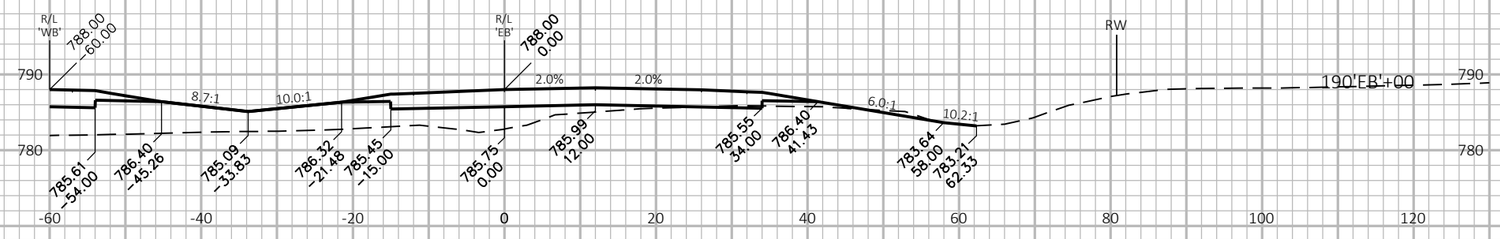
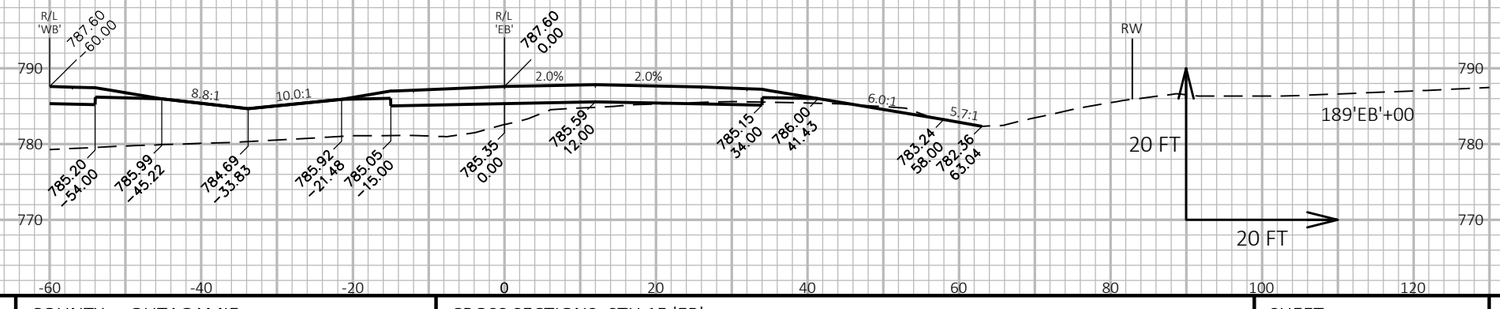
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 550	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090219_xs(02)

PLOT DATE : 4/27/2023 8:25 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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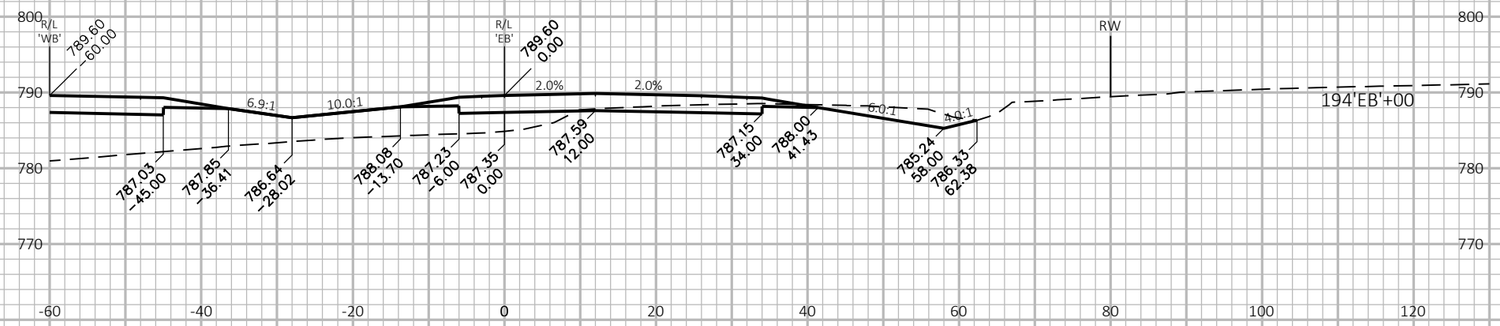
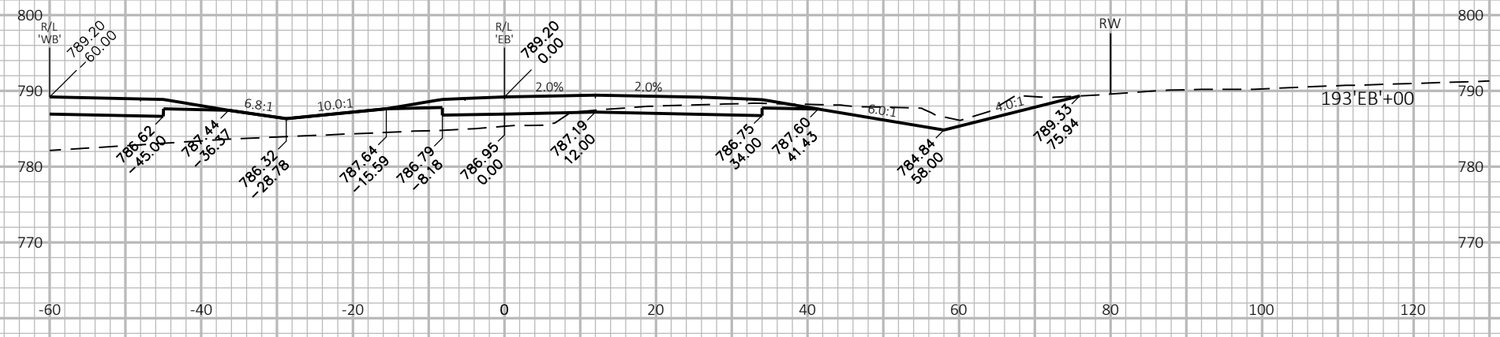
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 551	E

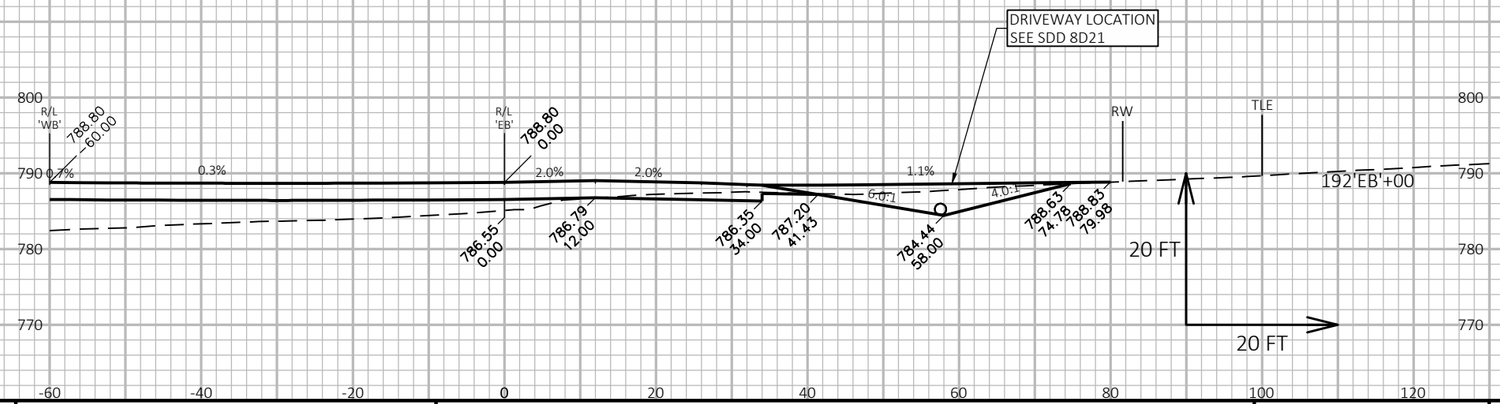
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090220_xs(02)

PLOT DATE : 3/31/2023 2:51 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 552	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090221_xs(02)

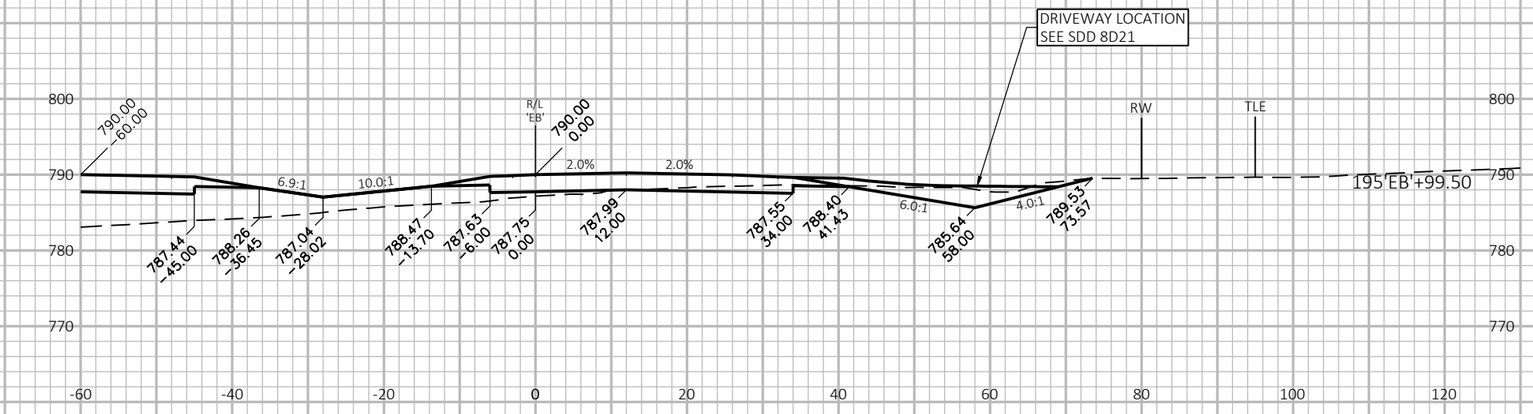
PLOT DATE : 3/31/2023 2:51 PM

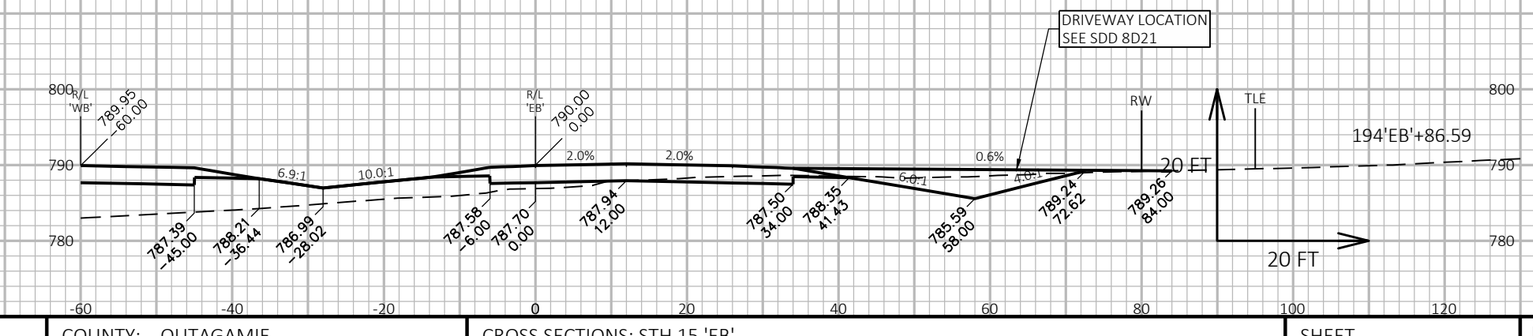
PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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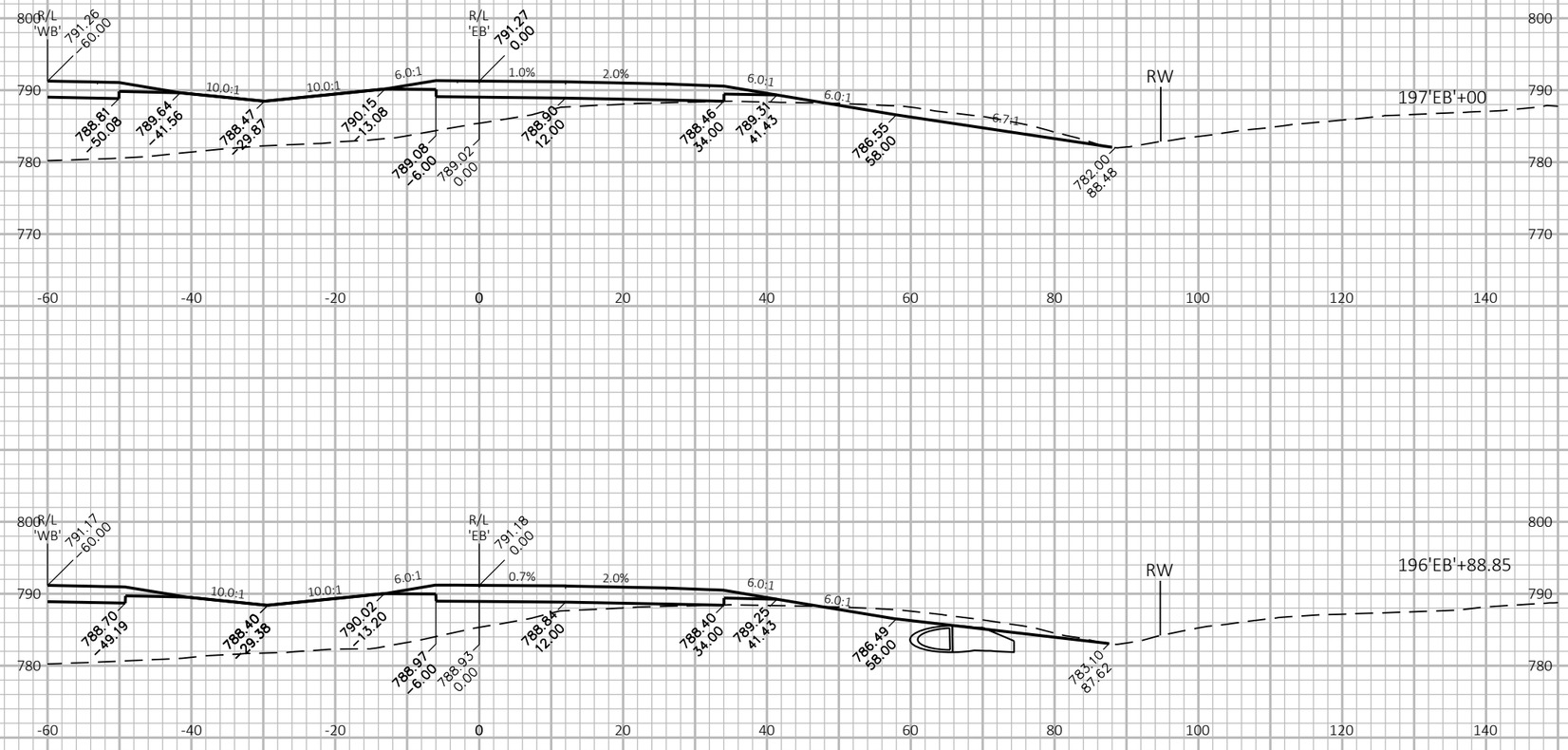
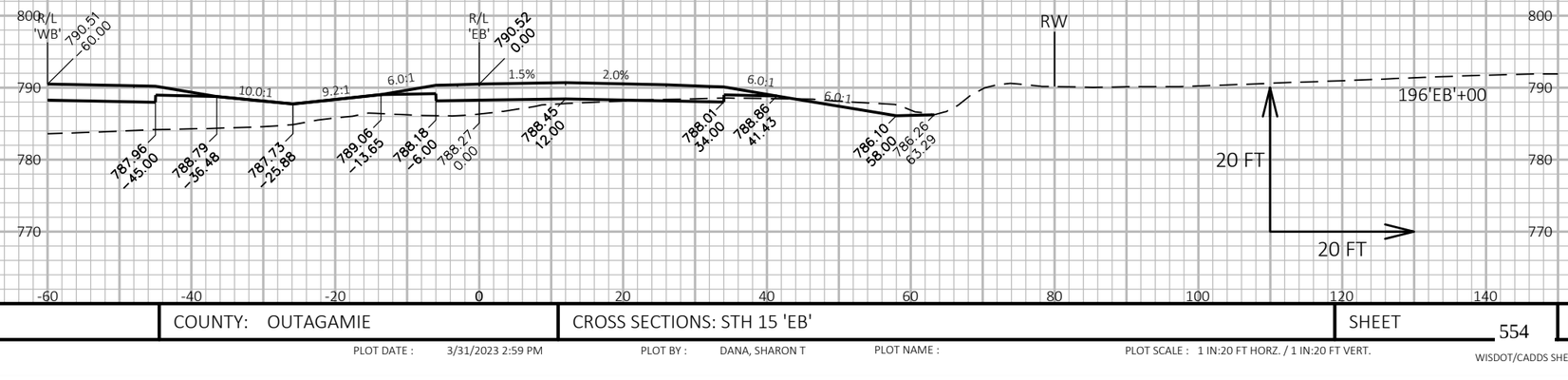
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 553	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(02).DWG
LAYOUT NAME - 090222_xs(02)

PLOT DATE : 3/31/2023 2:51 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 554	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090201_xs(03)

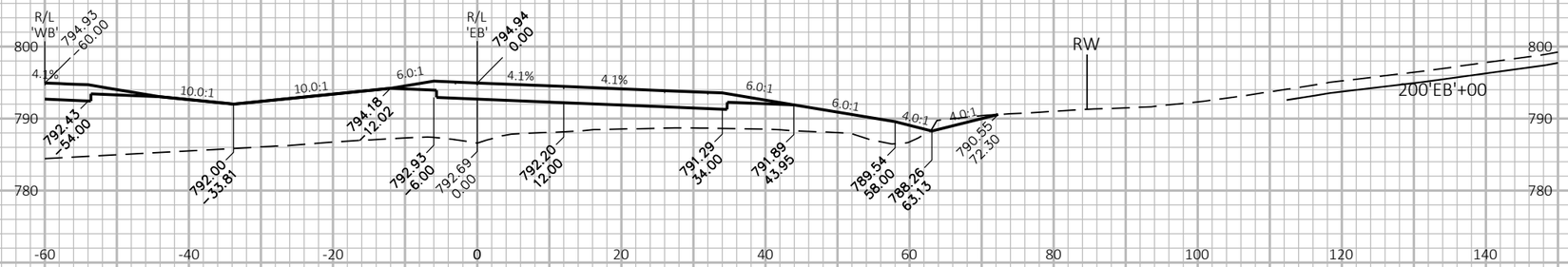
PLOT DATE : 3/31/2023 2:59 PM

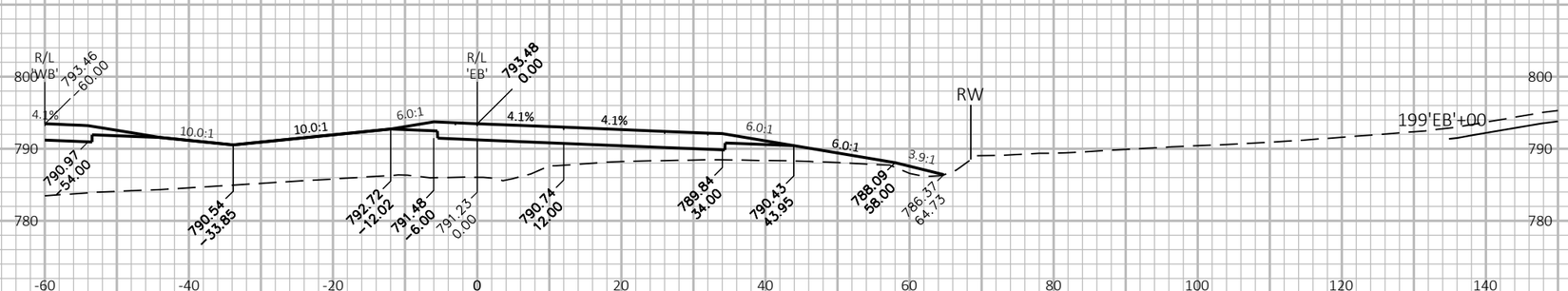
PLOT BY : DANA, SHARON T

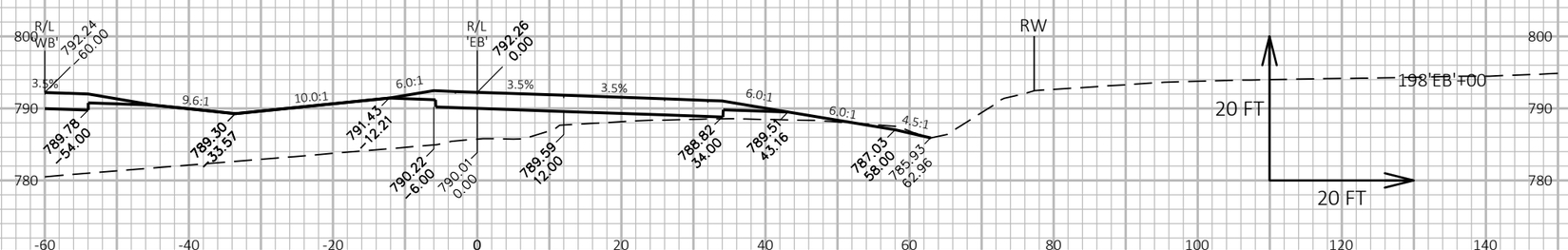
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 555 E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090202_xs(03)

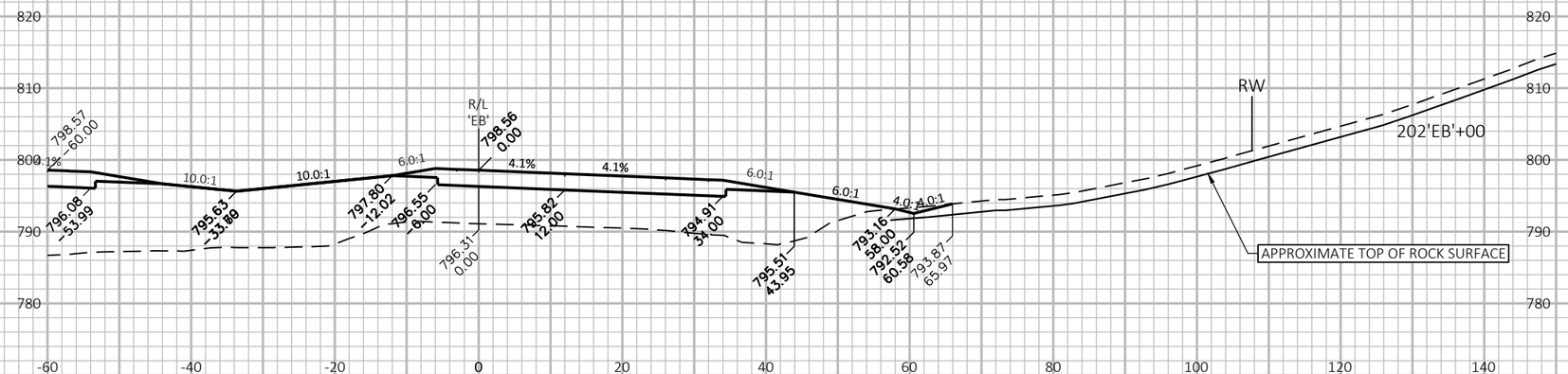
PLOT DATE : 3/31/2023 2:59 PM

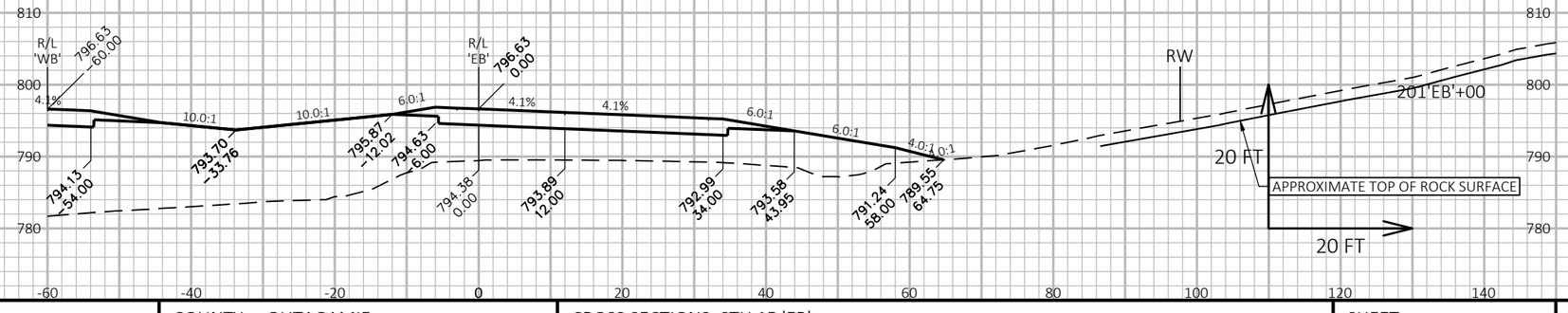
PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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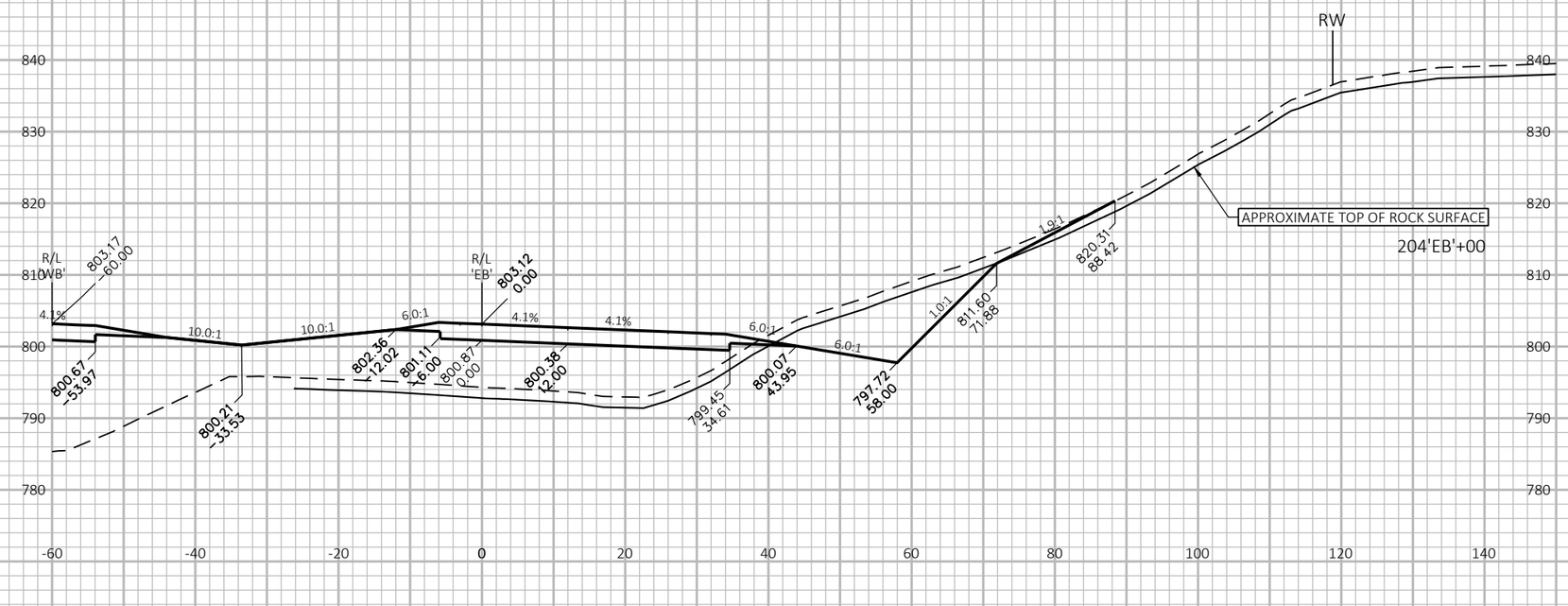
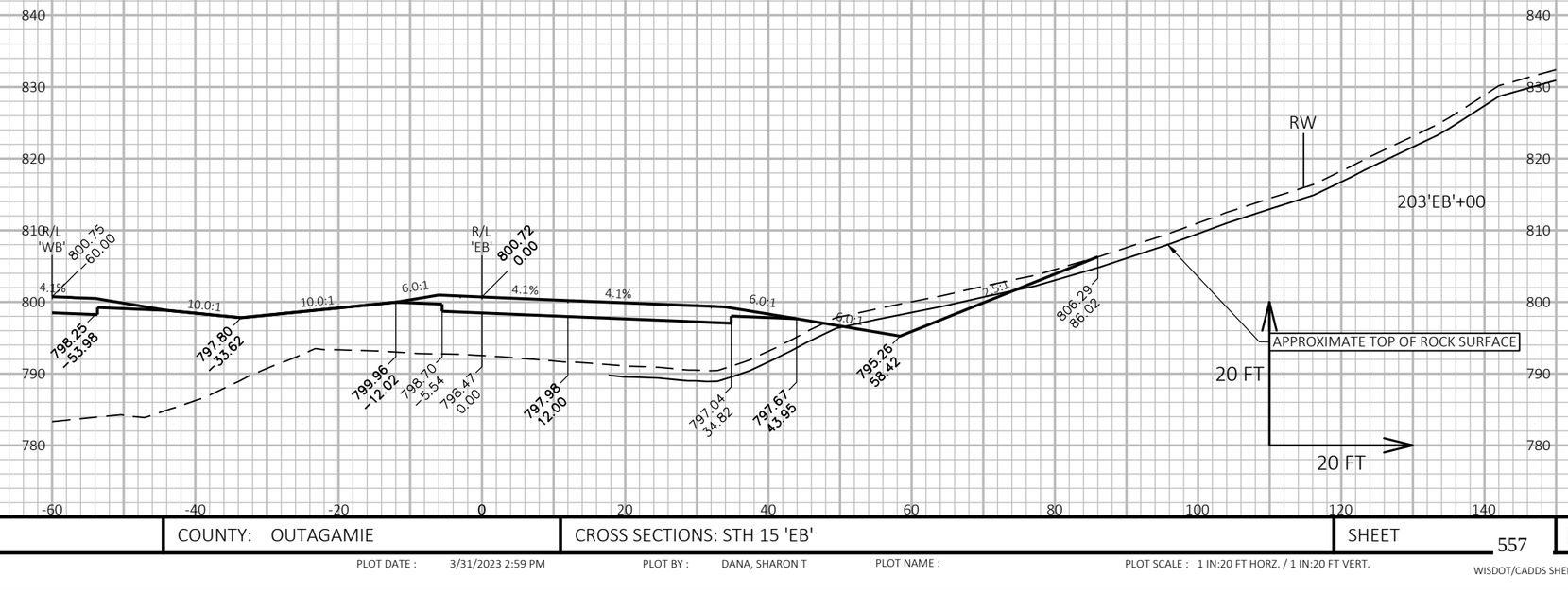
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 556	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090203_xs(03)

PLOT DATE : 3/31/2023 2:59 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 557	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090204_xs(03)

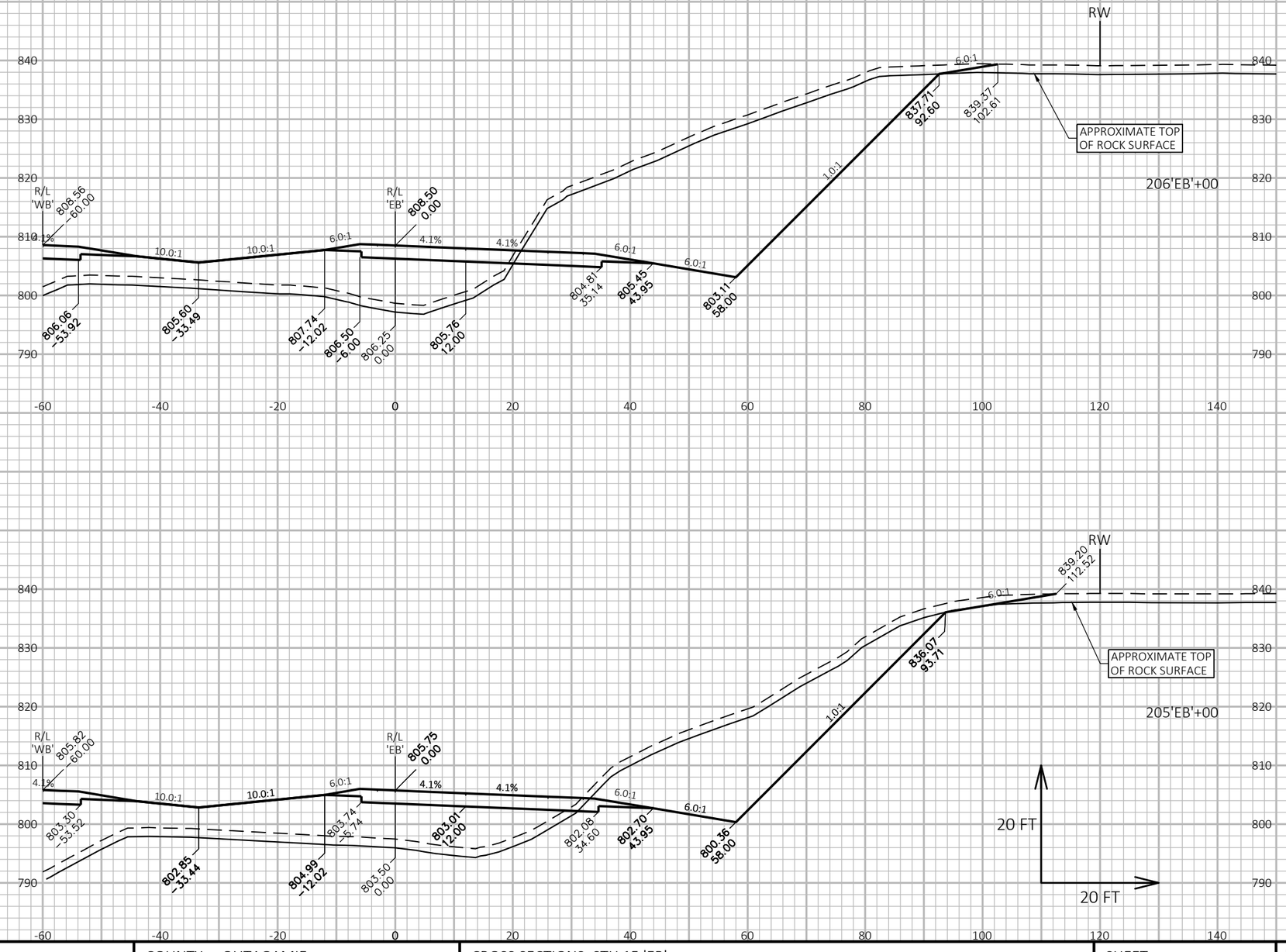
PLOT DATE : 3/31/2023 2:59 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

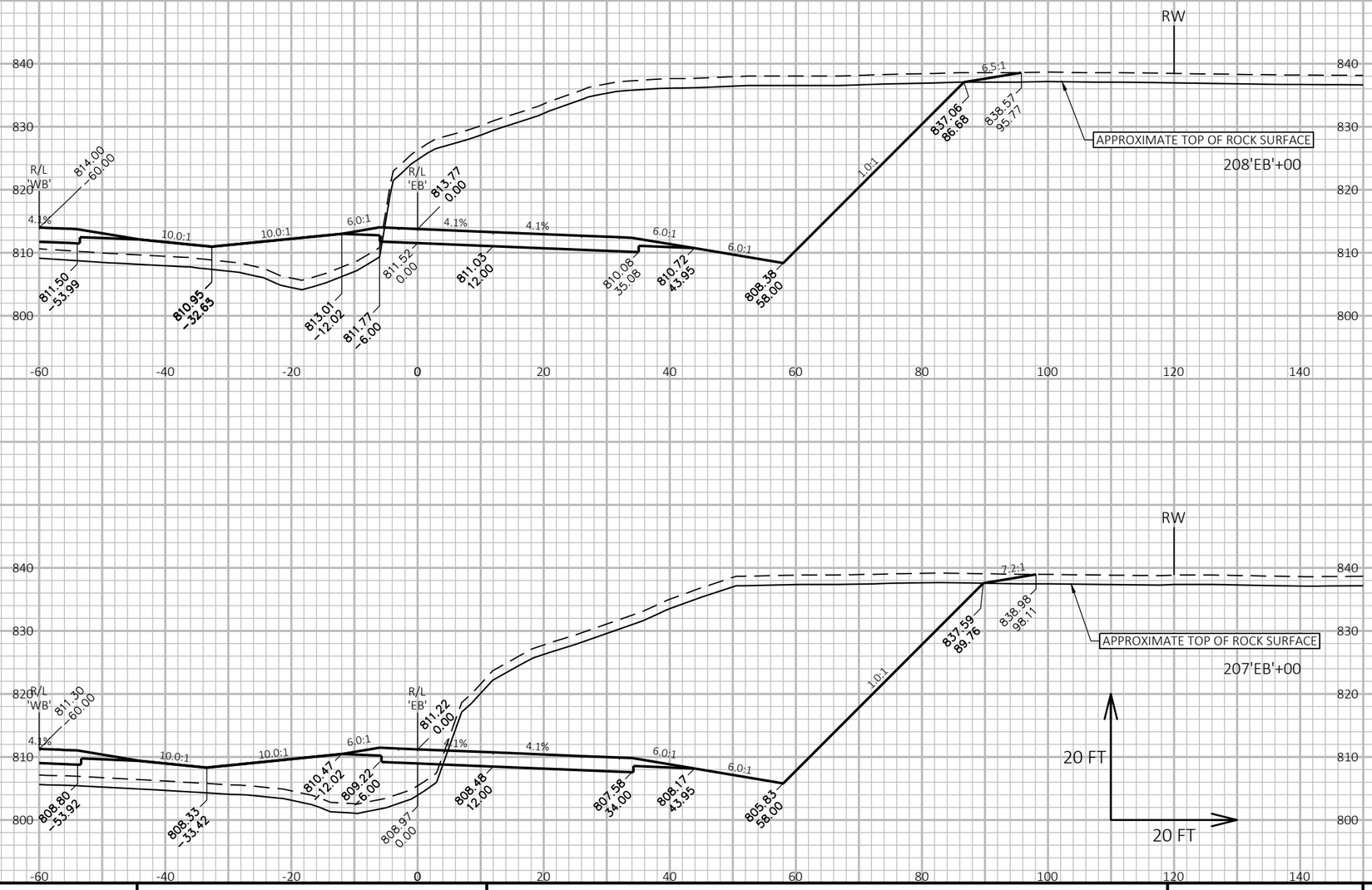


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 558	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090205_xs(03)

PLOT DATE : 3/31/2023 3:00 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 559	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090206_xs(03)

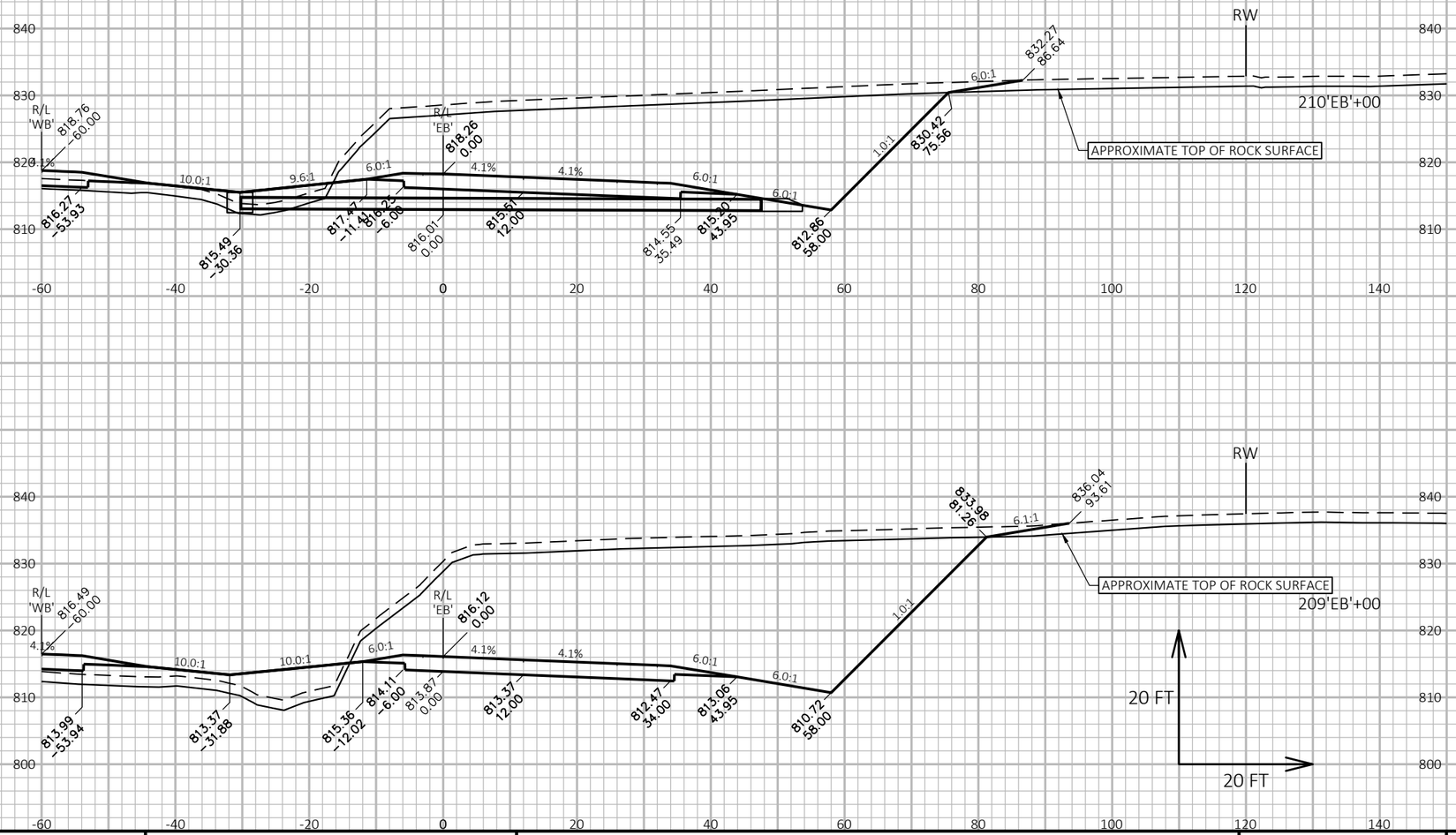
PLOT DATE : 3/31/2023 3:00 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 560	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090207_xs(03)

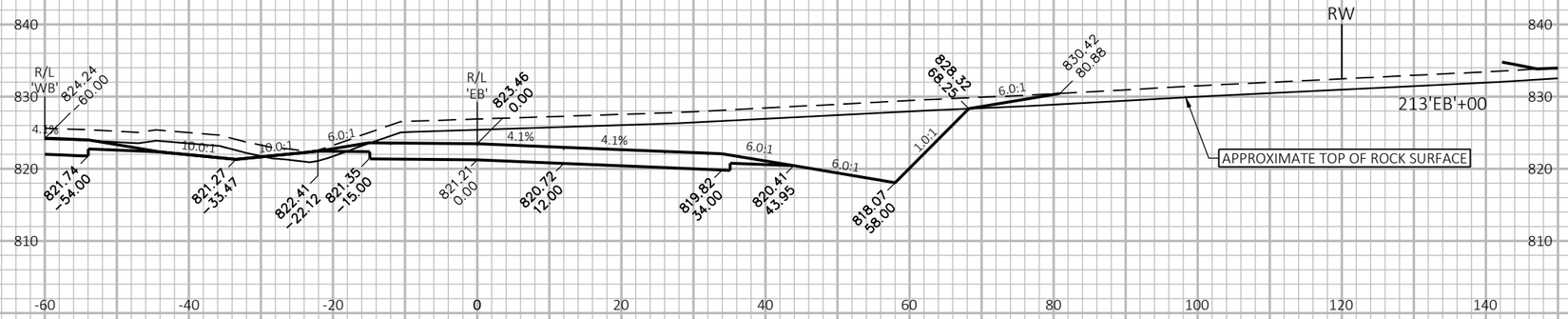
PLOT DATE : 3/31/2023 3:00 PM

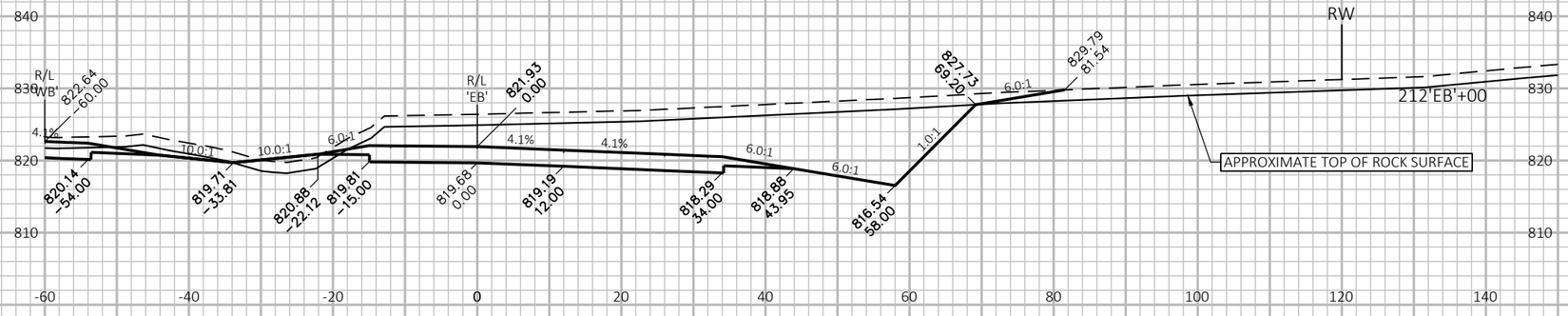
PLOT BY : DANA, SHARON T

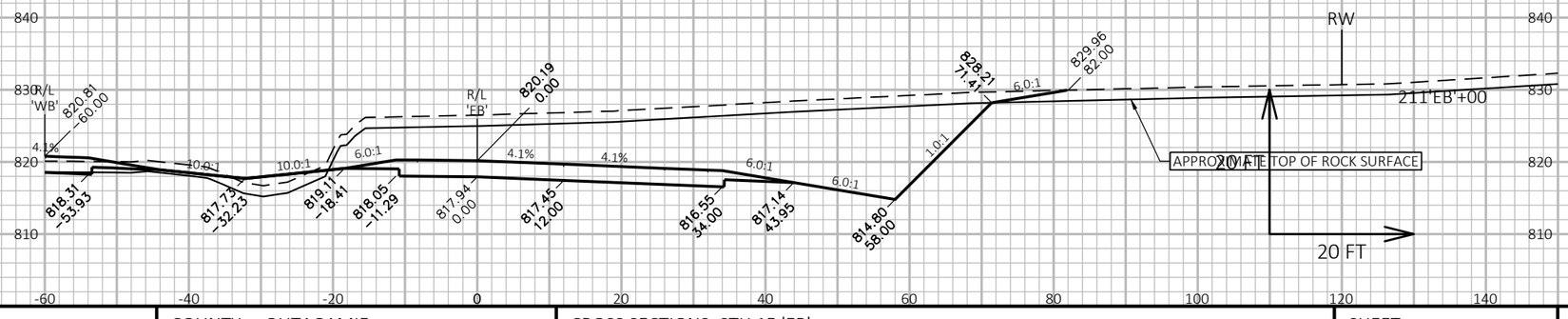
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





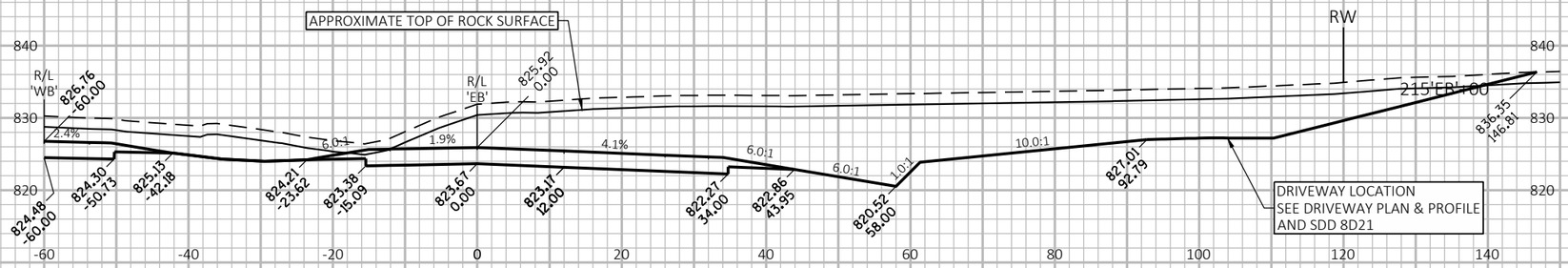


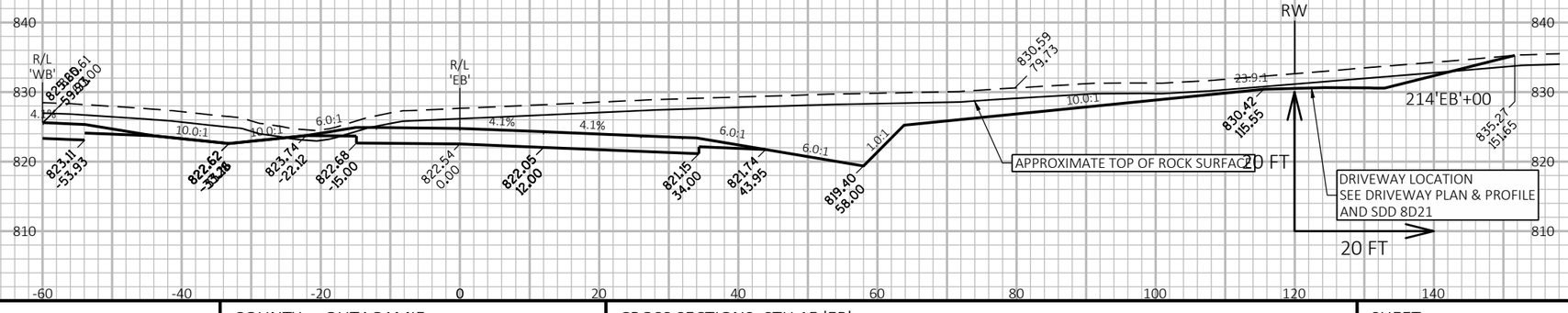
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 561	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090208_xs(03)

PLOT DATE : 3/31/2023 3:00 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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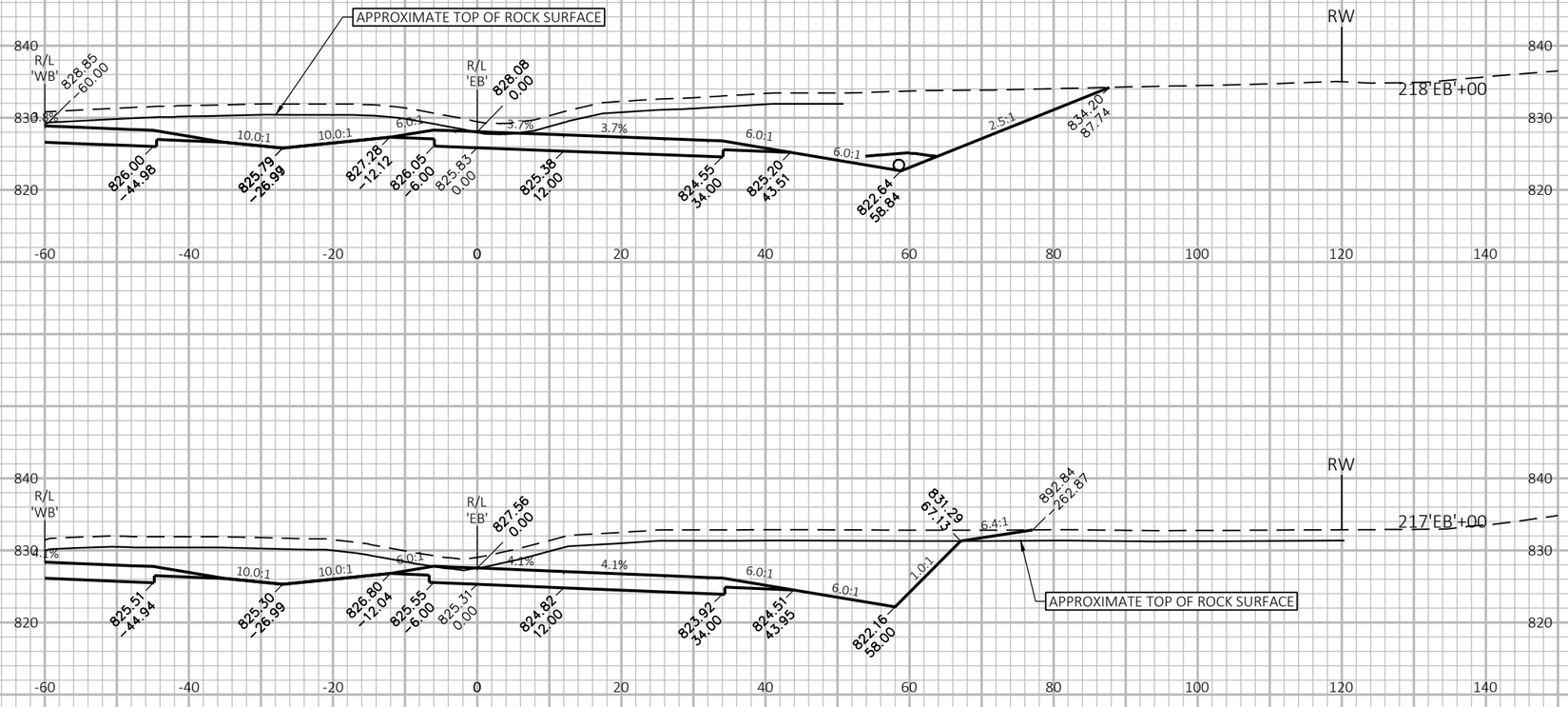
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 562	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090209_xs(03)
PLOT DATE : 4/28/2023 8:41 AM
PLOT BY : DANA, SHARON T
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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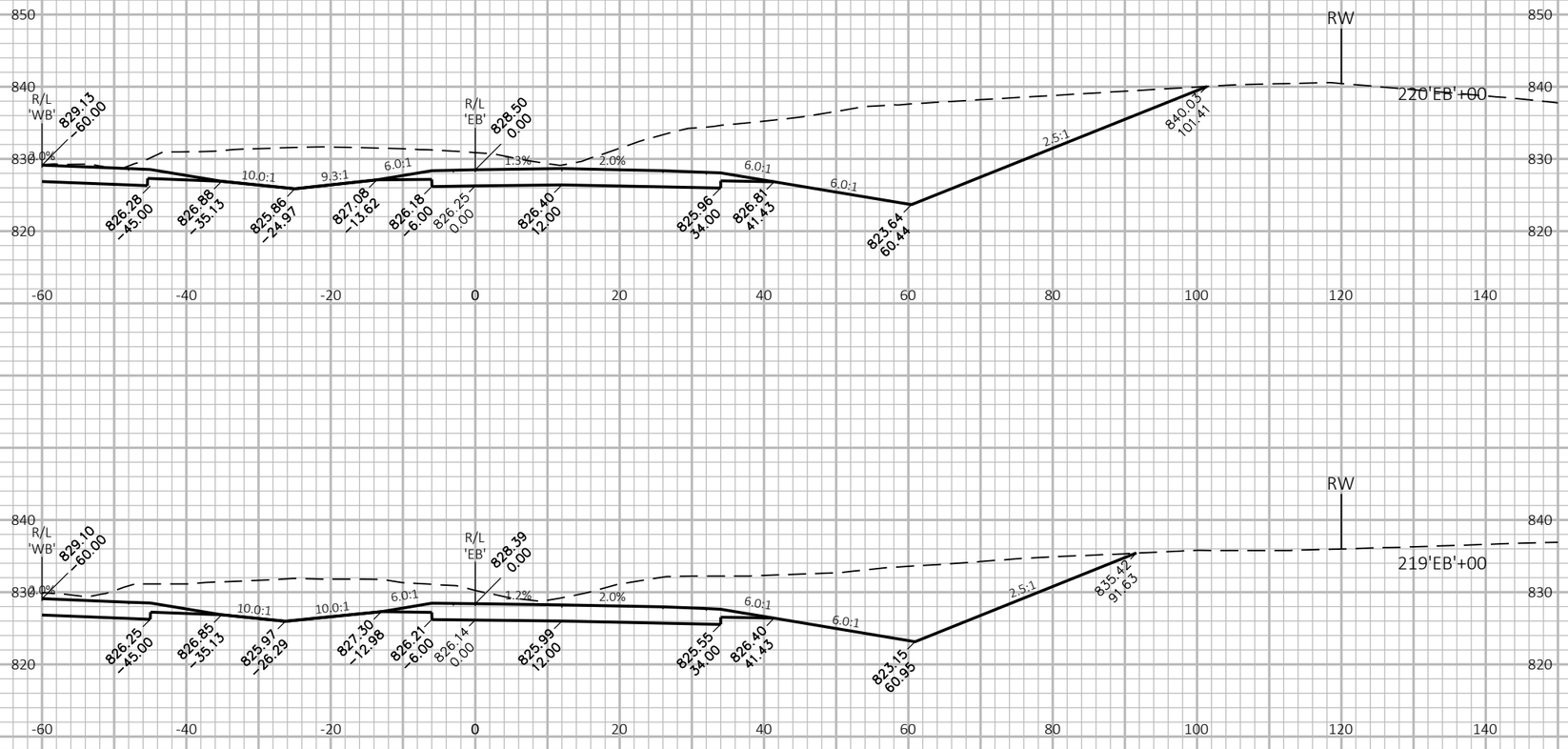
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 563	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090210_xs(03)

PLOT DATE : 3/31/2023 3:01 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

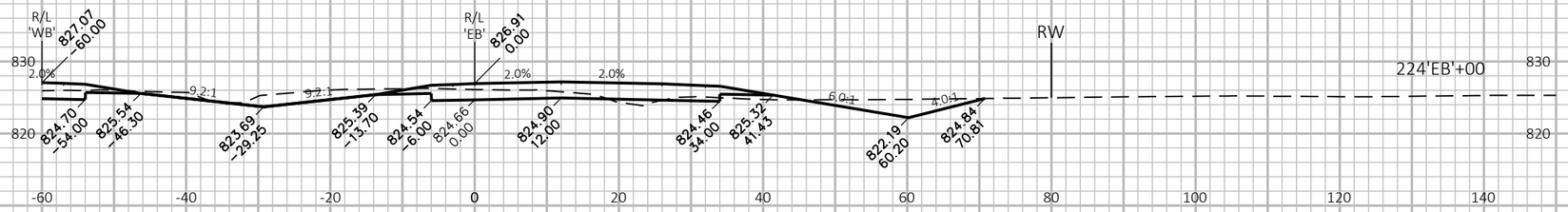


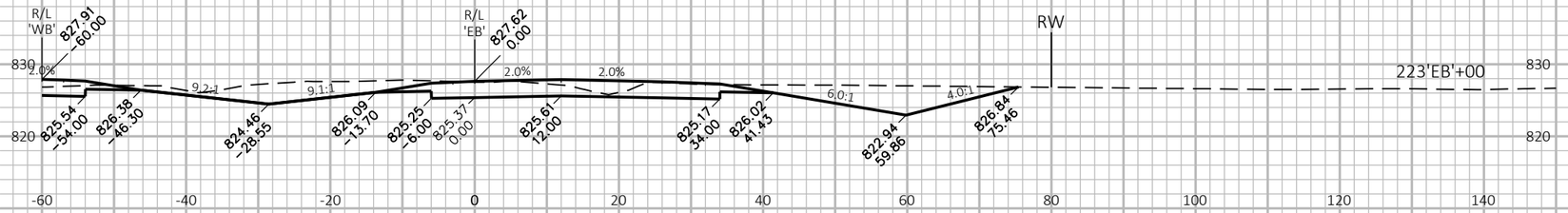
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 564	E

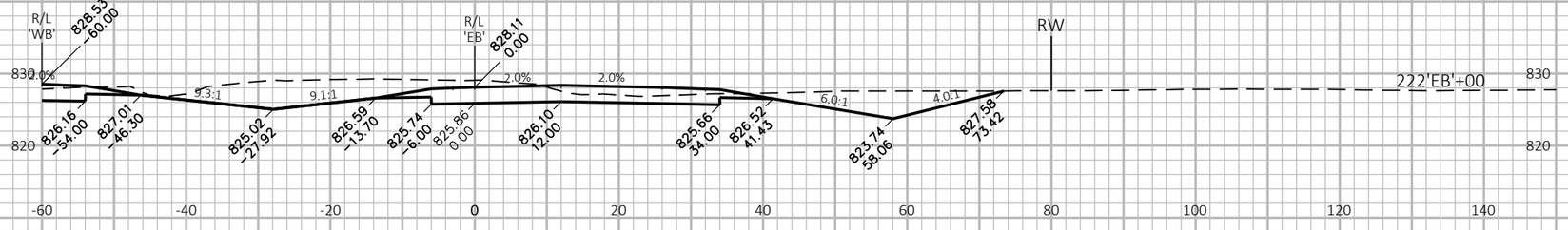
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090211_xs(03)

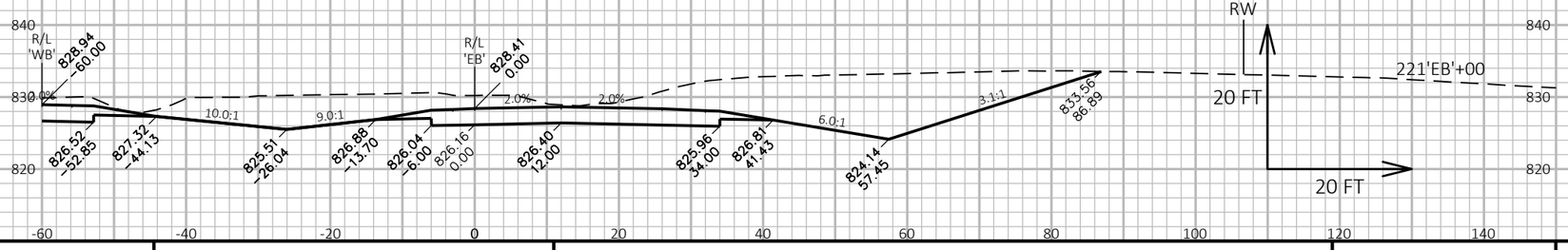
PLOT DATE : 3/31/2023 3:01 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49









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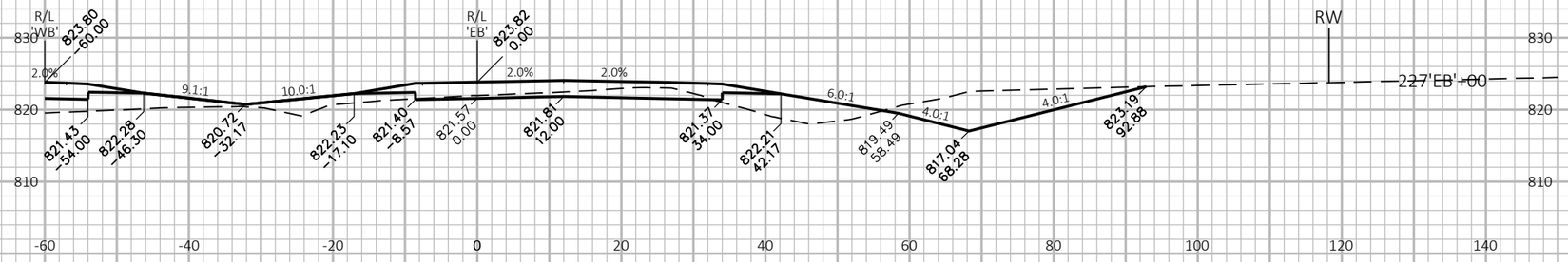
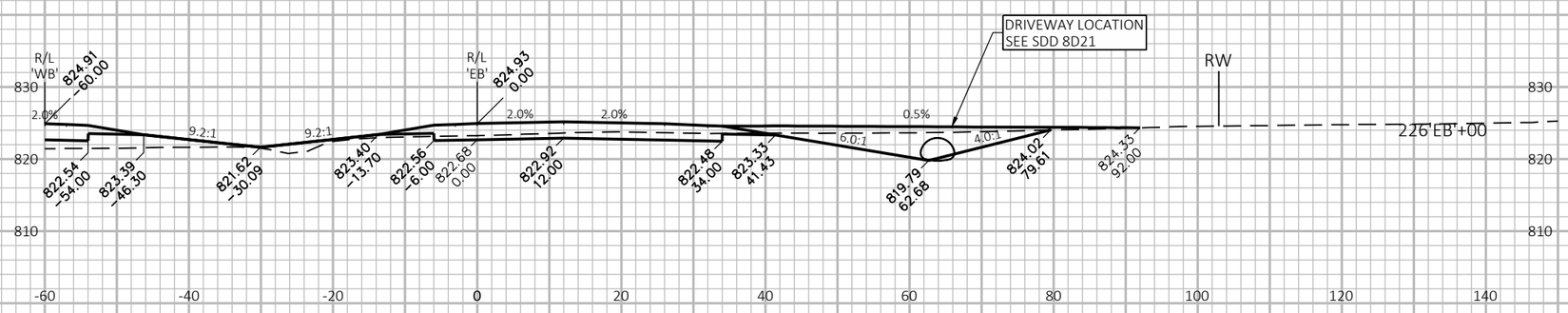
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 565	E

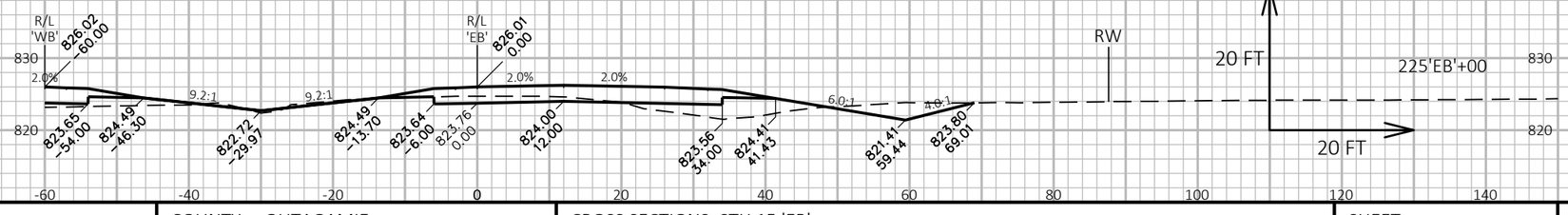
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090212_xs(03)

PLOT DATE : 3/31/2023 3:01 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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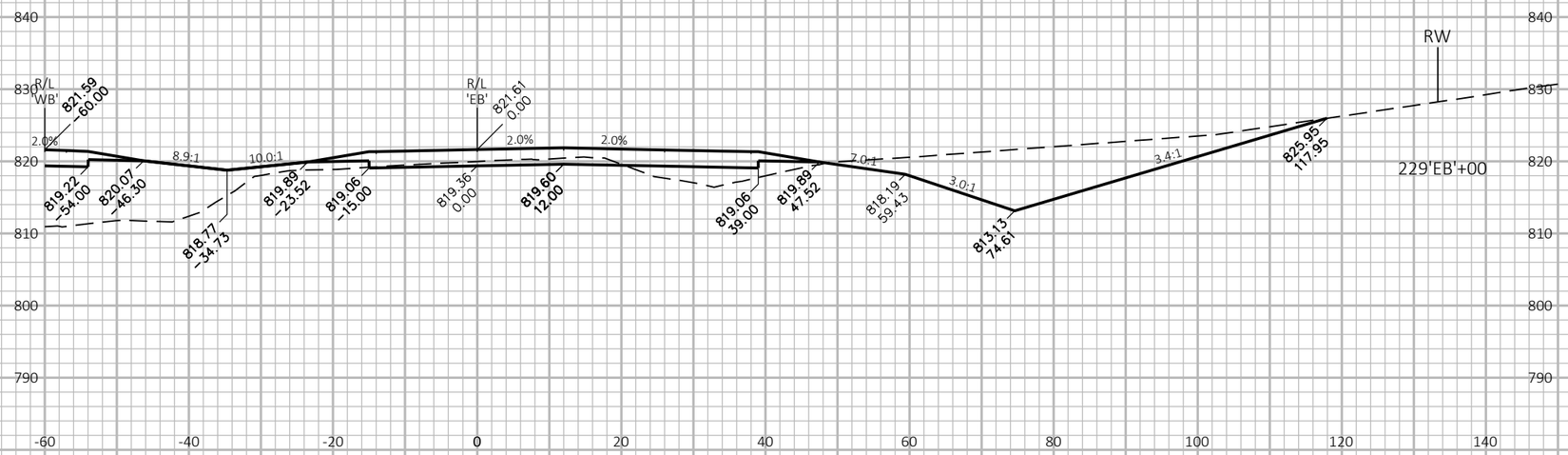
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 566	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090213_xs(03)

PLOT DATE : 3/31/2023 3:01 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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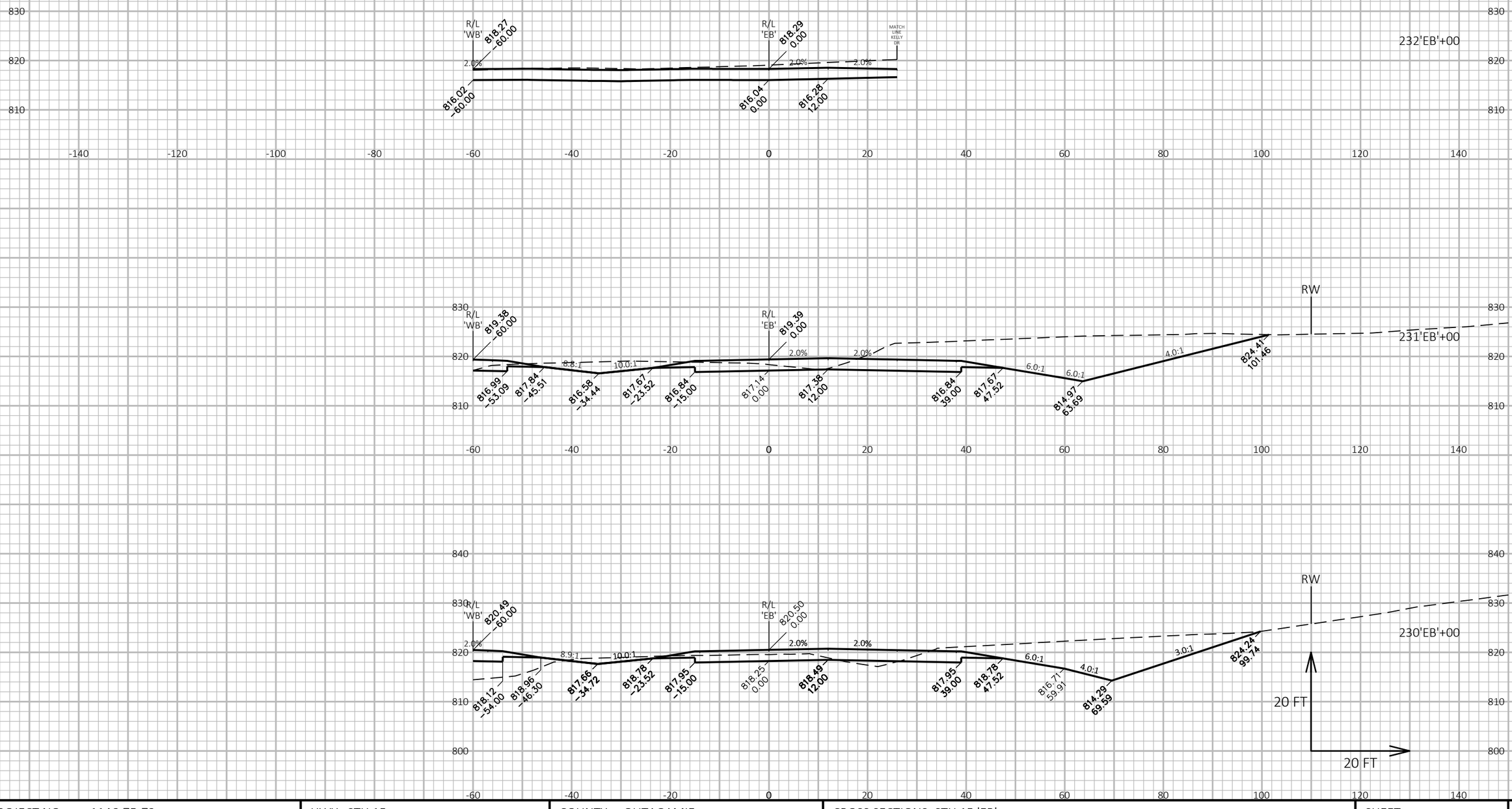
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 567	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090214_xs(03)

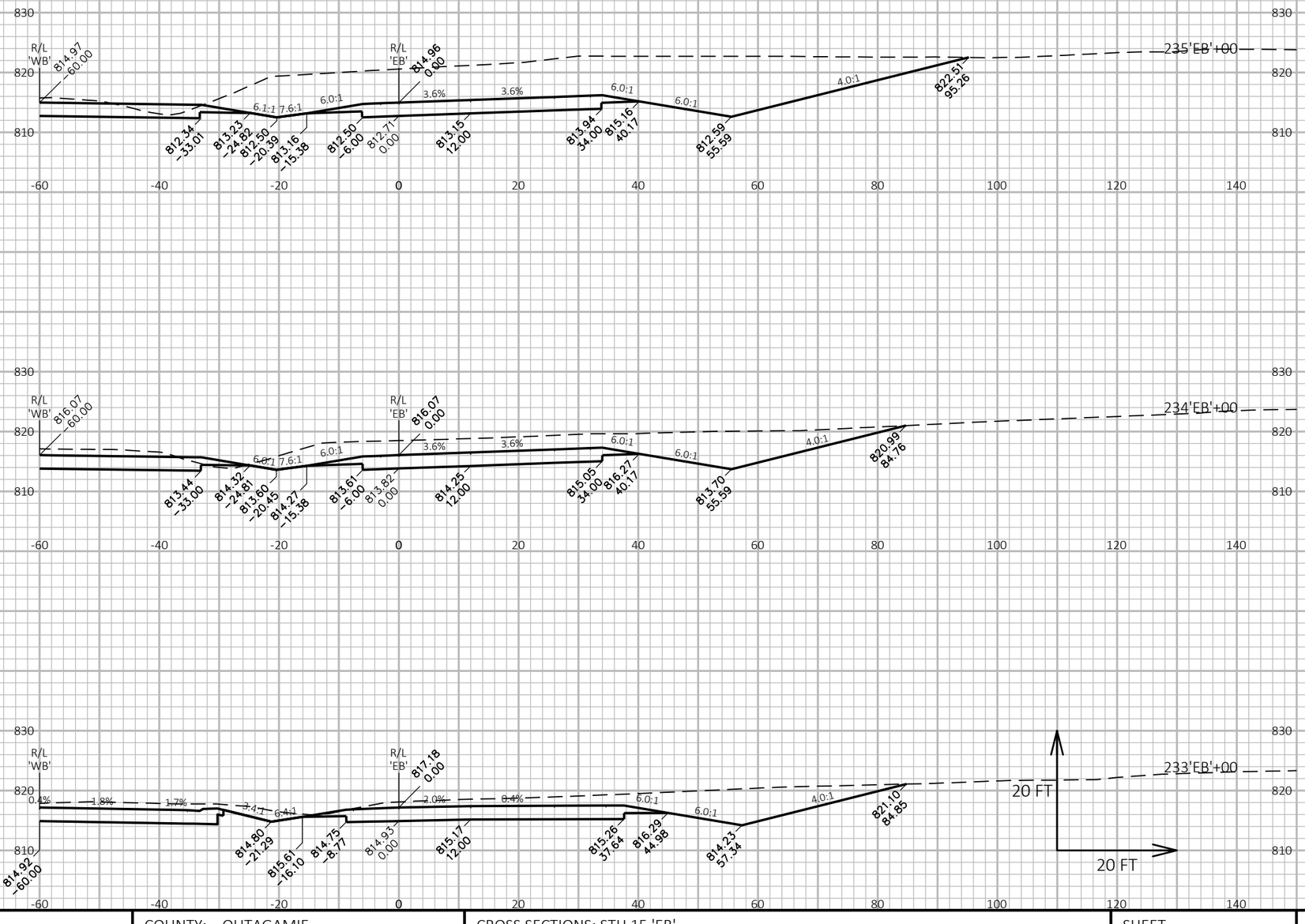
PLOT DATE : 3/31/2023 3:01 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 568	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090215_xs(03)
PLOT DATE : 3/31/2023 3:02 PM
PLOT BY : DANA, SHARON T
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



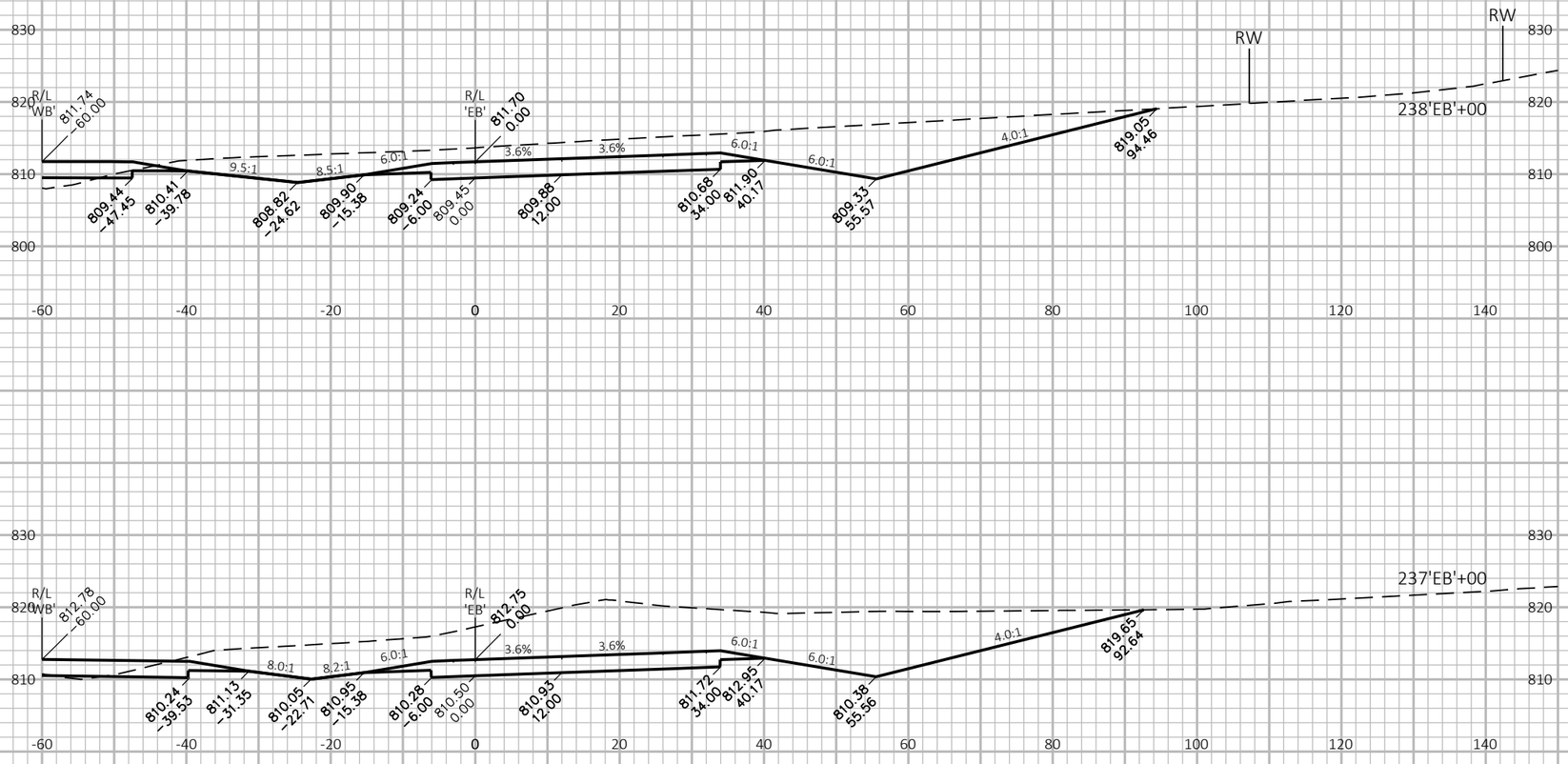
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 569 E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090216_xs(03)

PLOT DATE : 3/31/2023 3:02 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9



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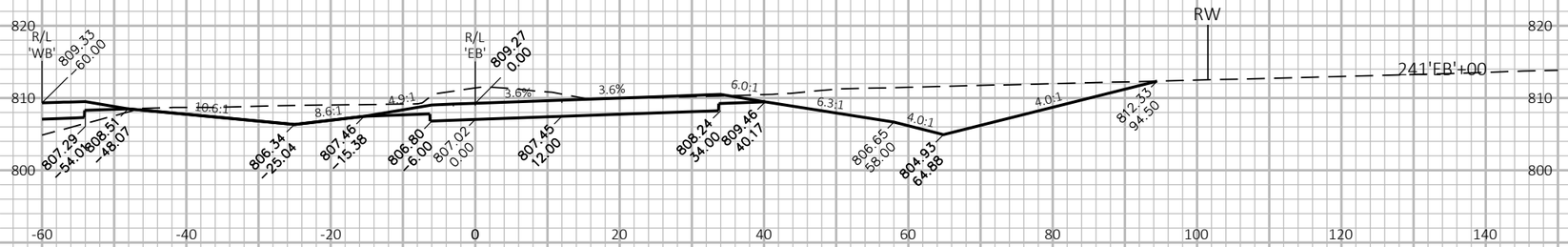
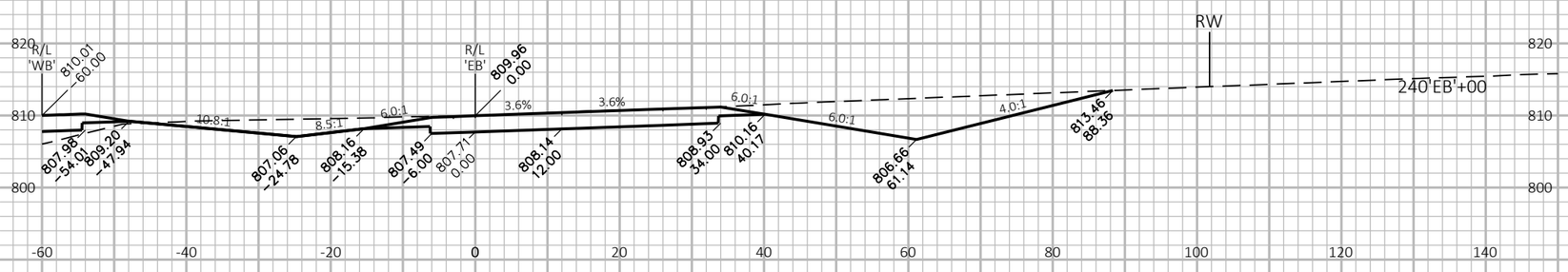
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 570	E

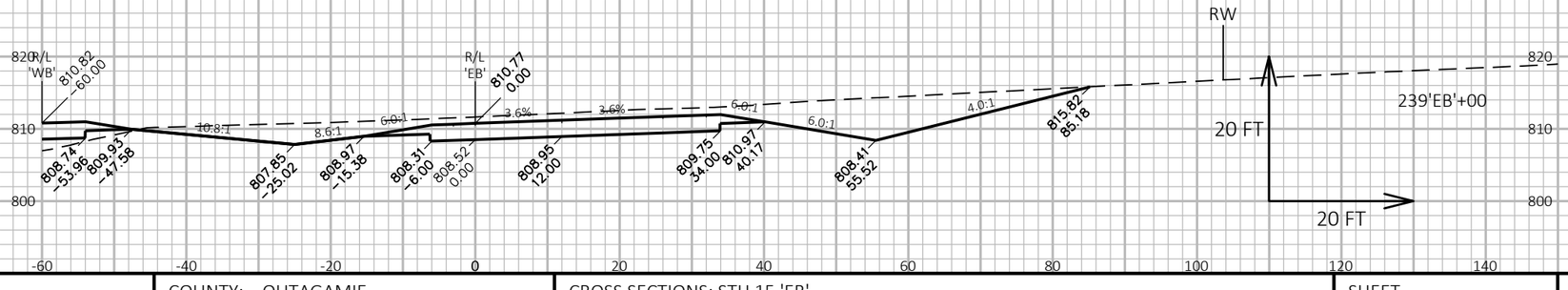
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090217_xs(03)

PLOT DATE : 3/31/2023 3:02 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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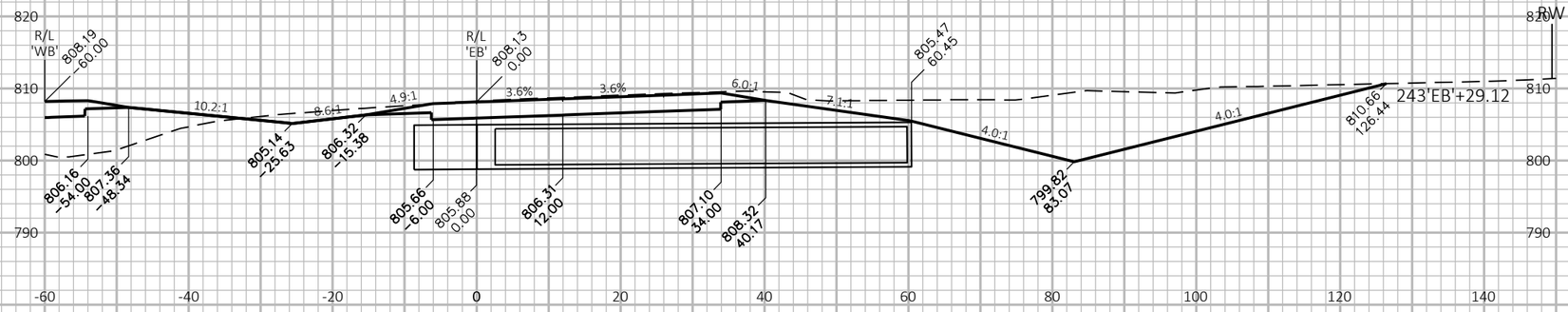
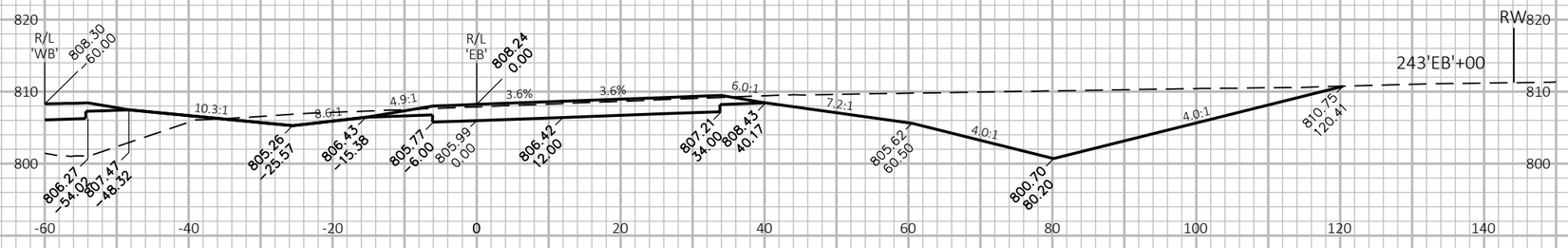
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 571	E

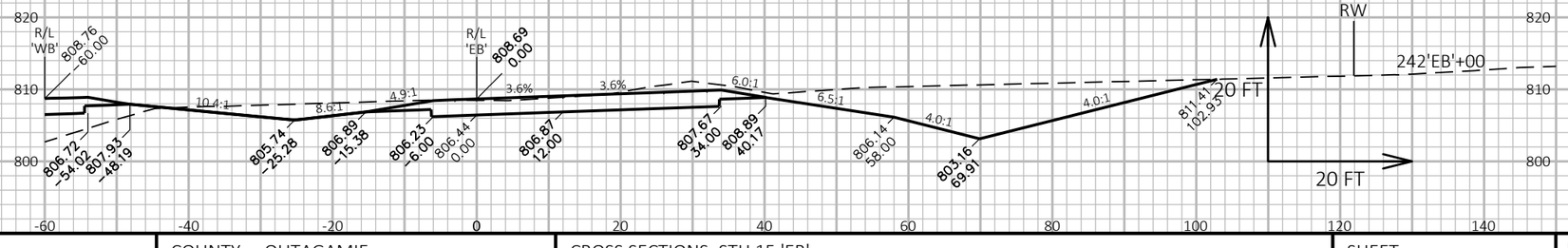
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090218_xs(03)

PLOT DATE : 3/31/2023 3:02 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 572	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090219_xs(03)

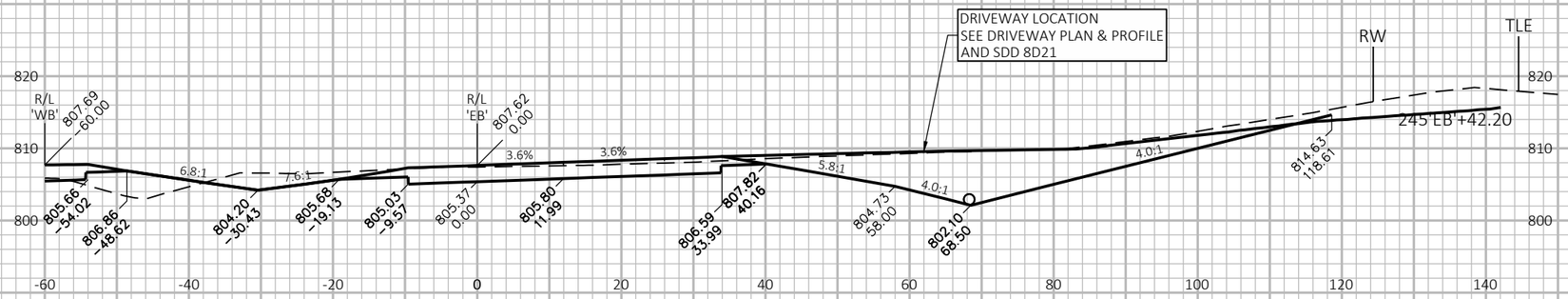
PLOT DATE : 3/31/2023 3:02 PM

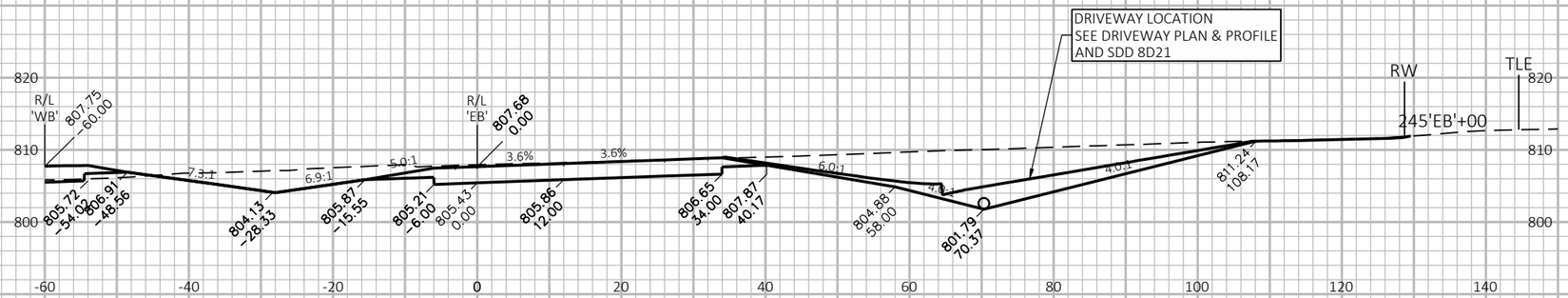
PLOT BY : DANA, SHARON T

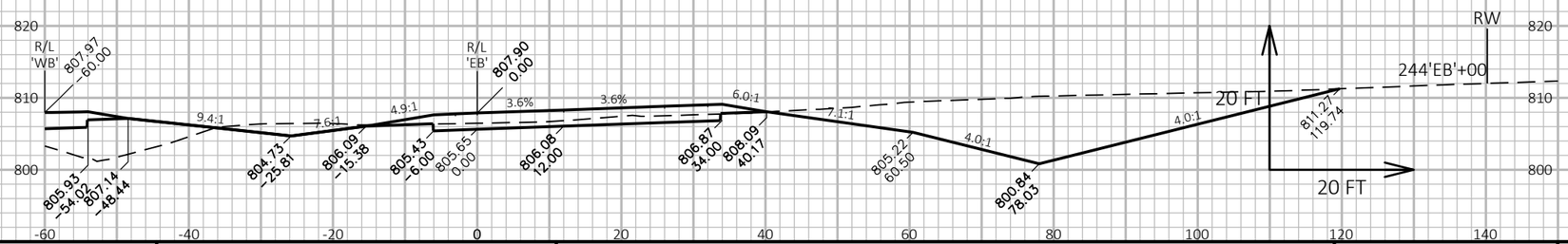
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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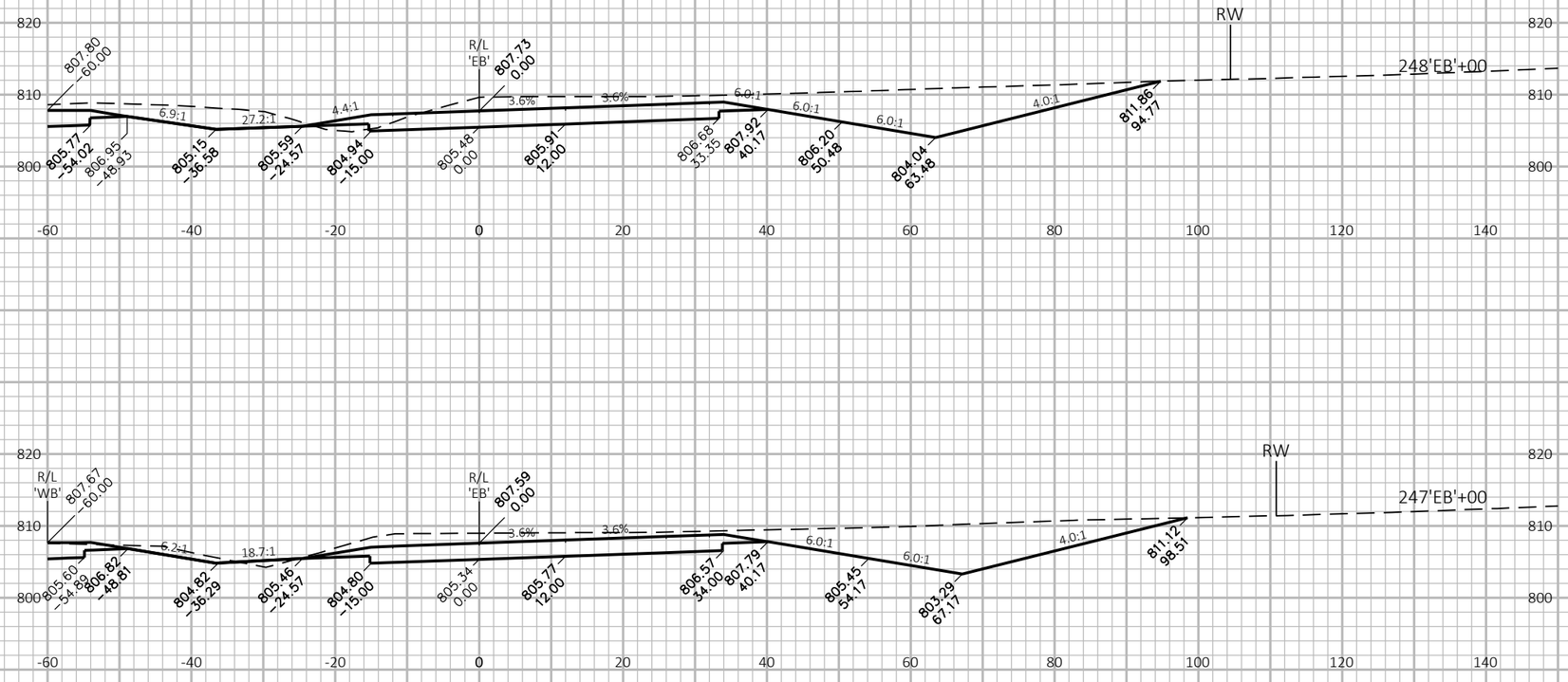
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 573	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090220_xs(03)

PLOT DATE : 3/31/2023 3:03 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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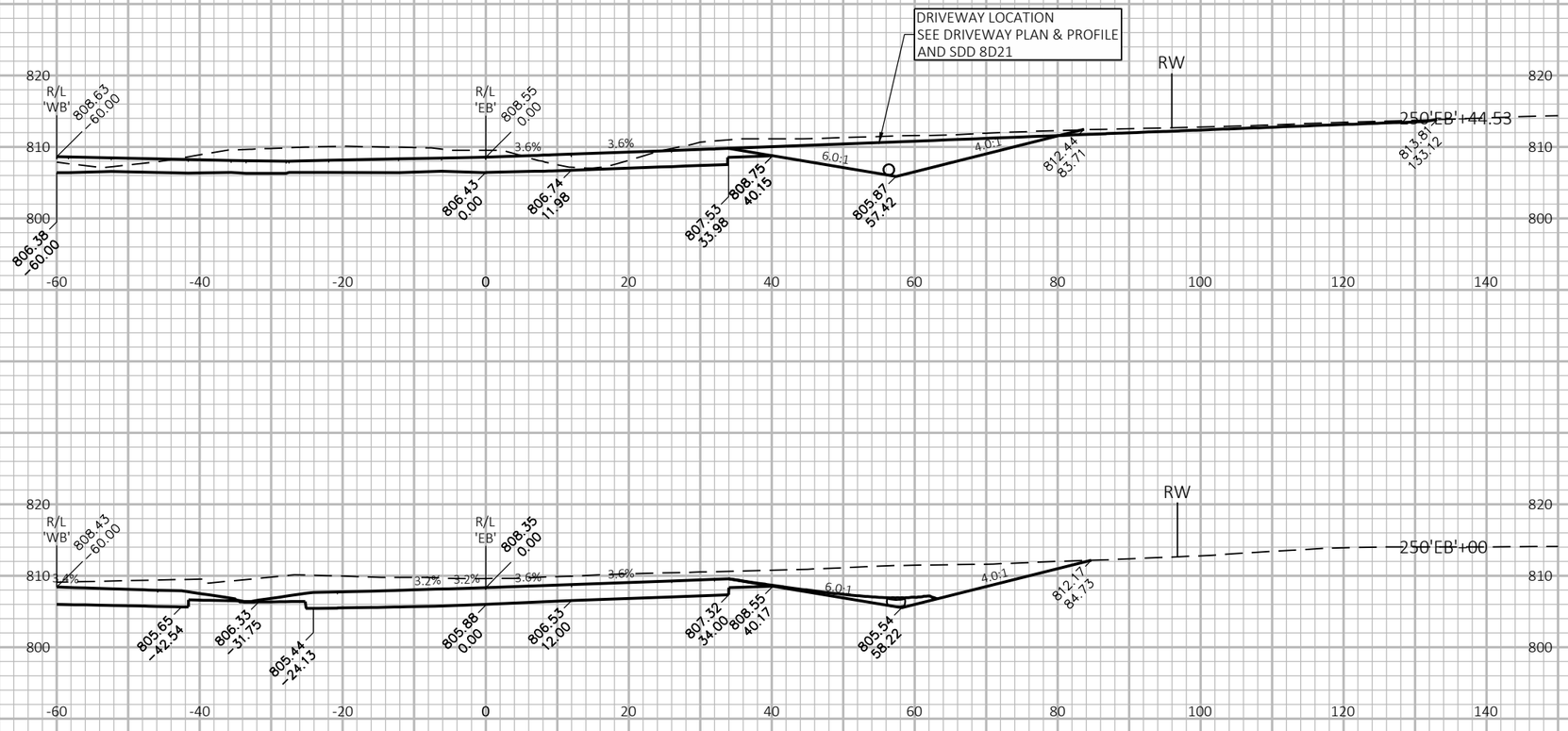
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 574	E

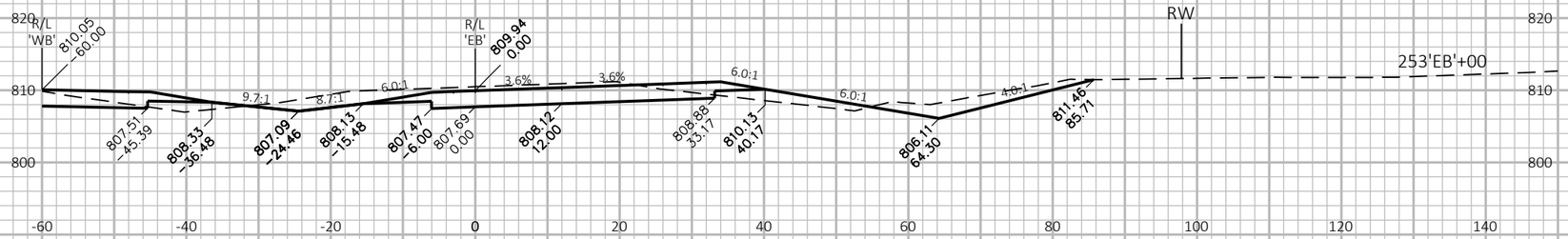
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090221_xs(03)

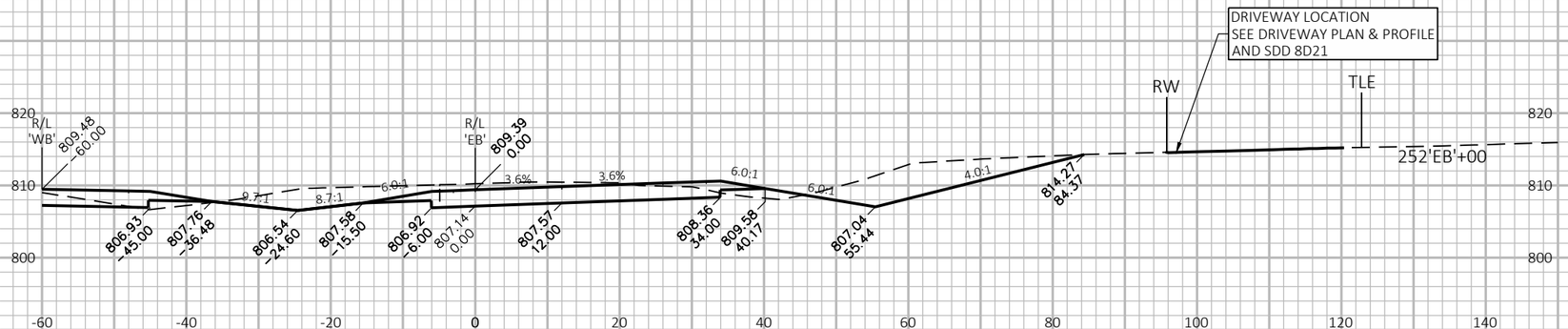
PLOT DATE : 3/31/2023 3:03 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

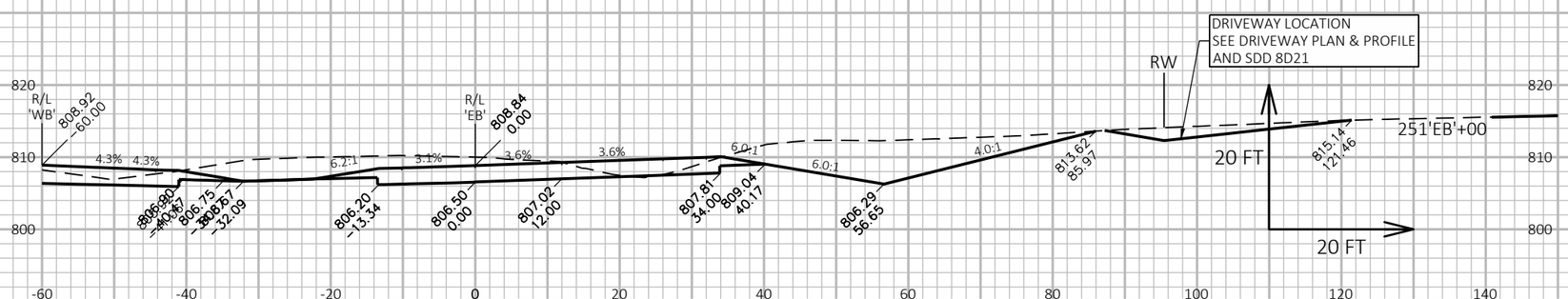
WISDOT/CADDS SHEET 49



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 575	E







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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 576	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090223_xs(03)

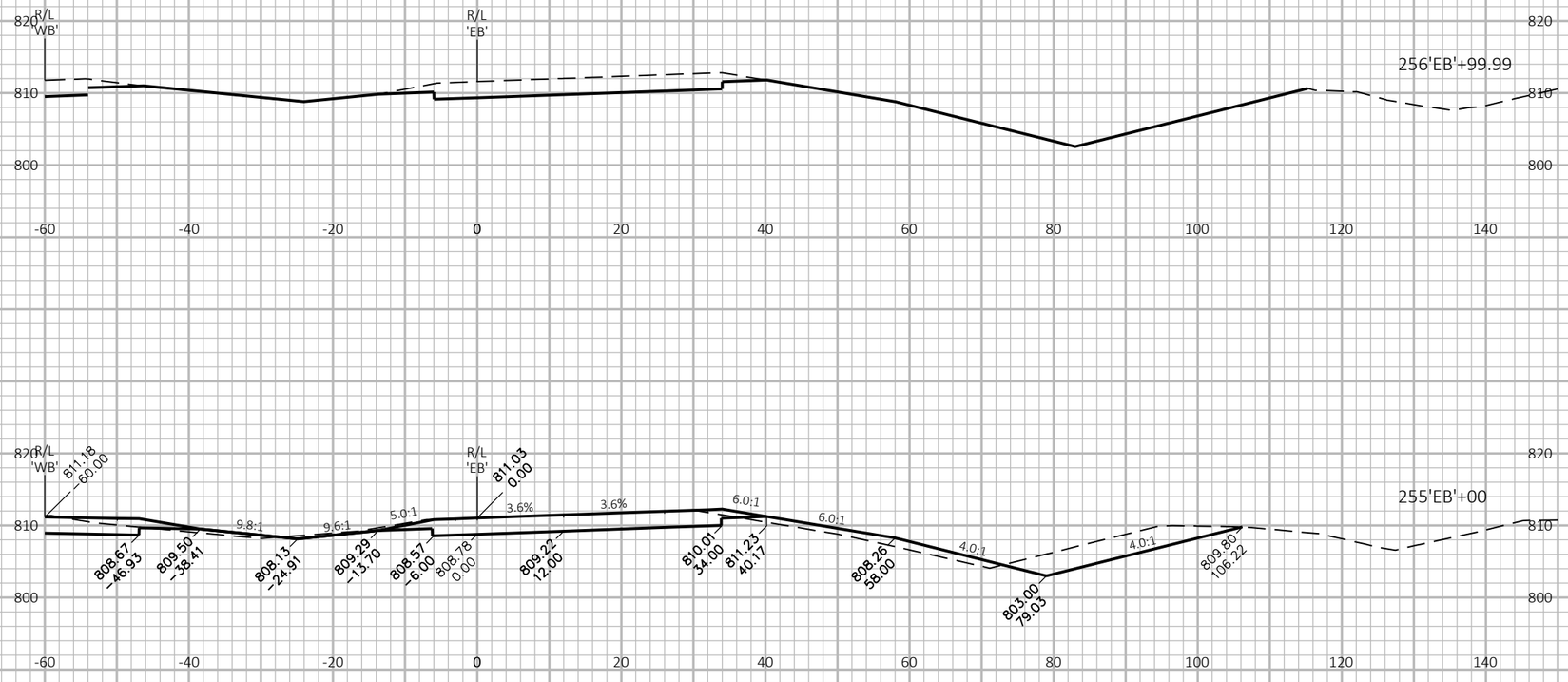
PLOT DATE : 3/31/2023 3:03 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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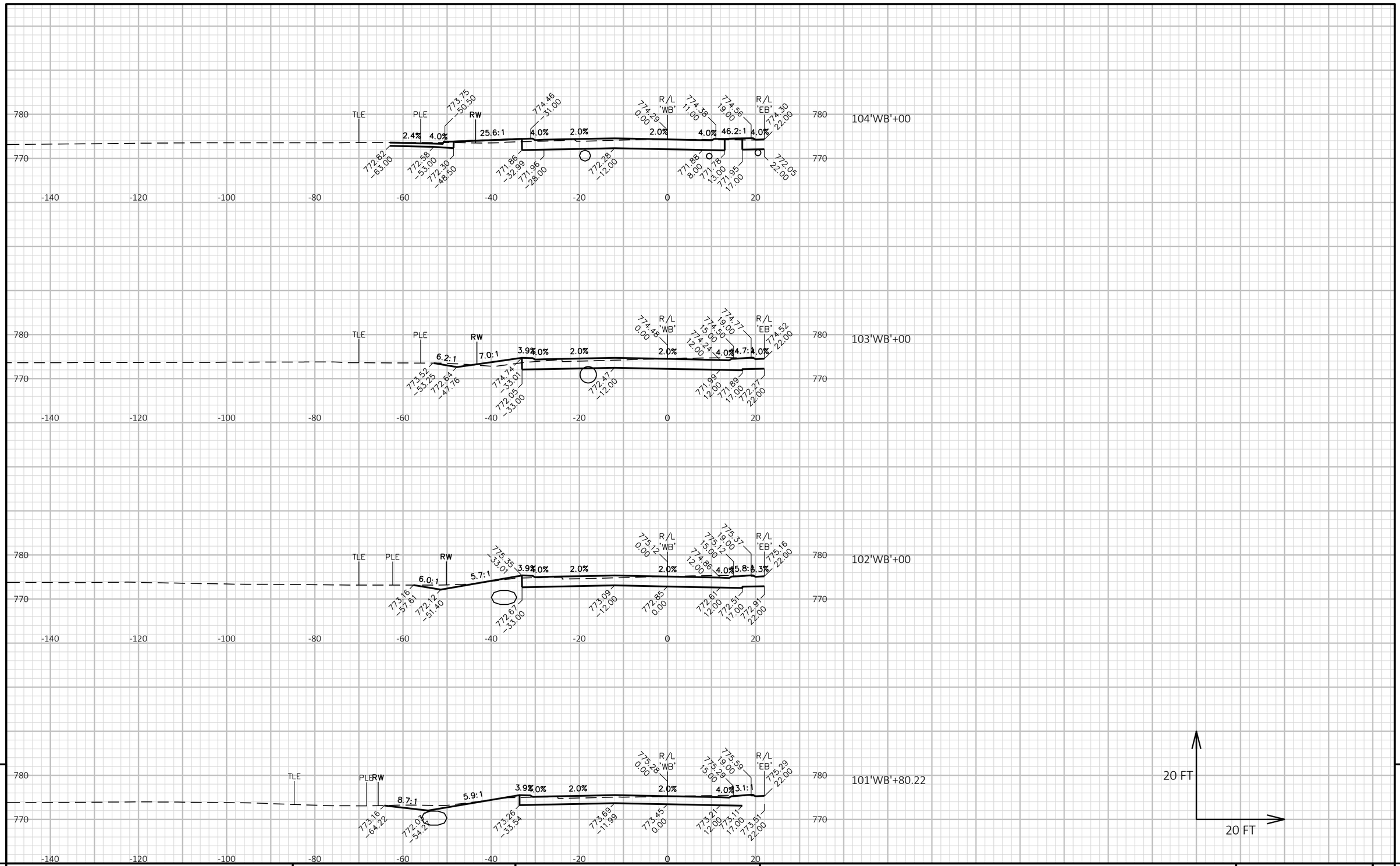
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'EB'	SHEET 577	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090201_XS_(03).DWG
LAYOUT NAME - 090224_xs(03)

PLOT DATE : 3/31/2023 3:03 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

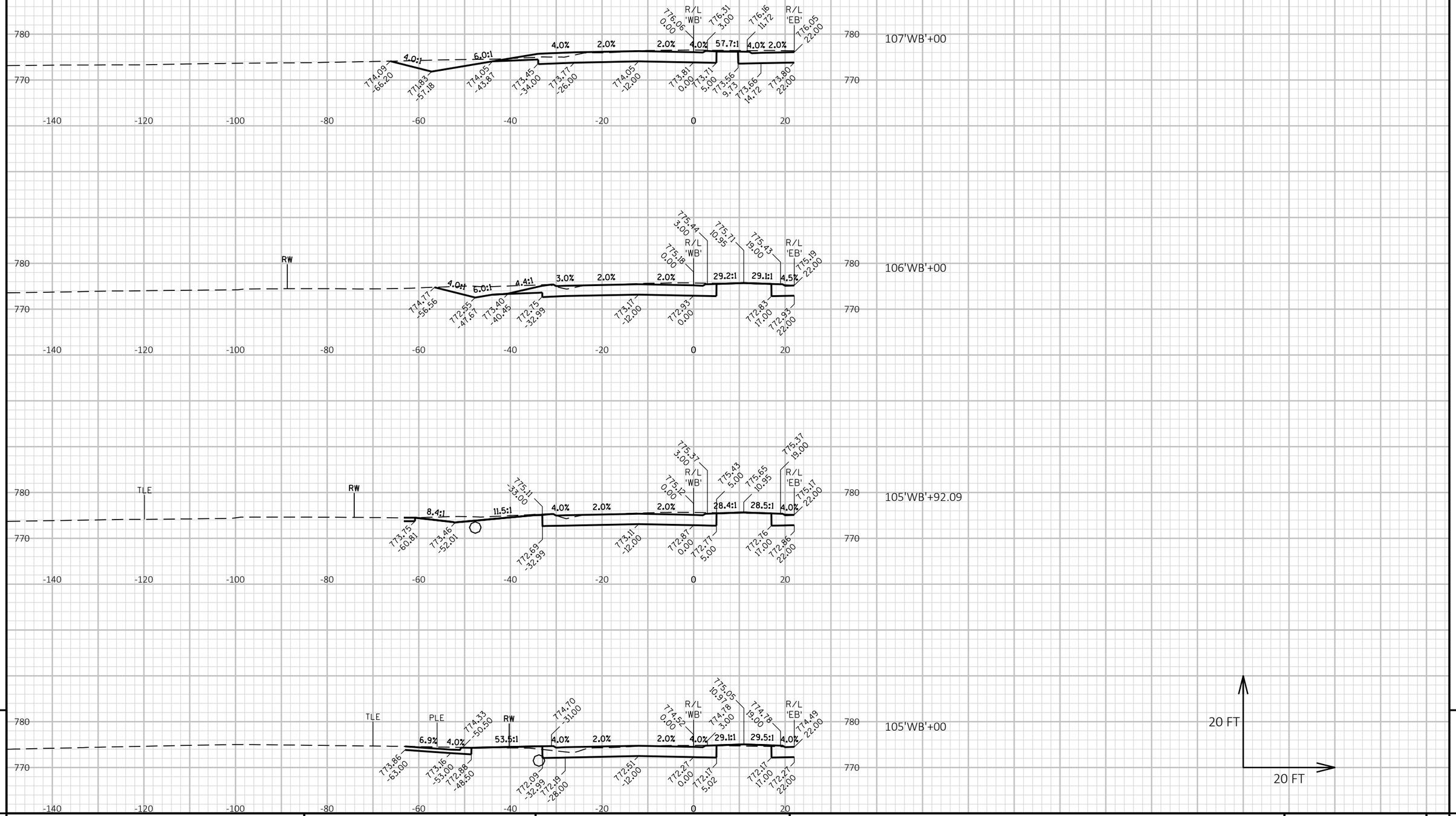


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 578	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090301_xs(01)

PLOT DATE : 3/31/2023 3:13 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

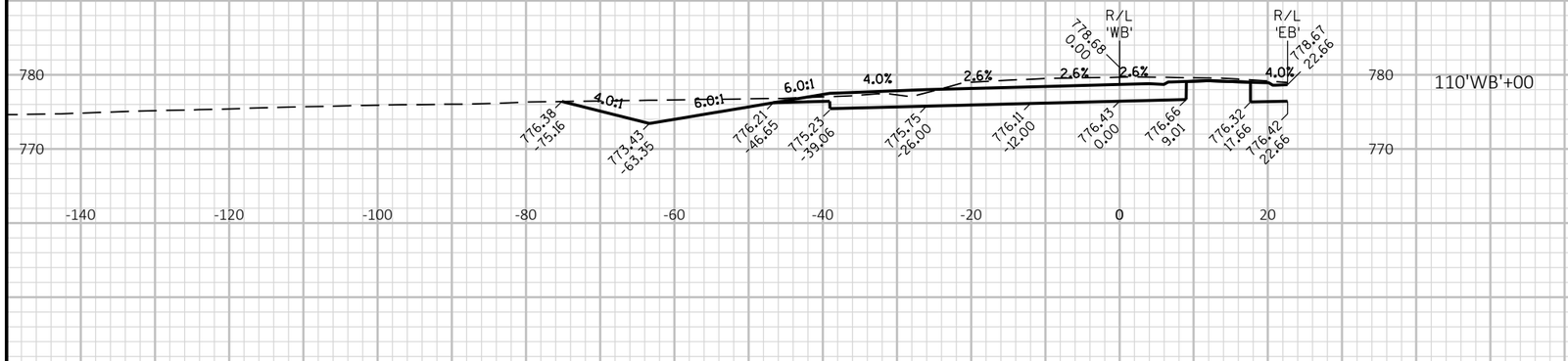


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 579	E

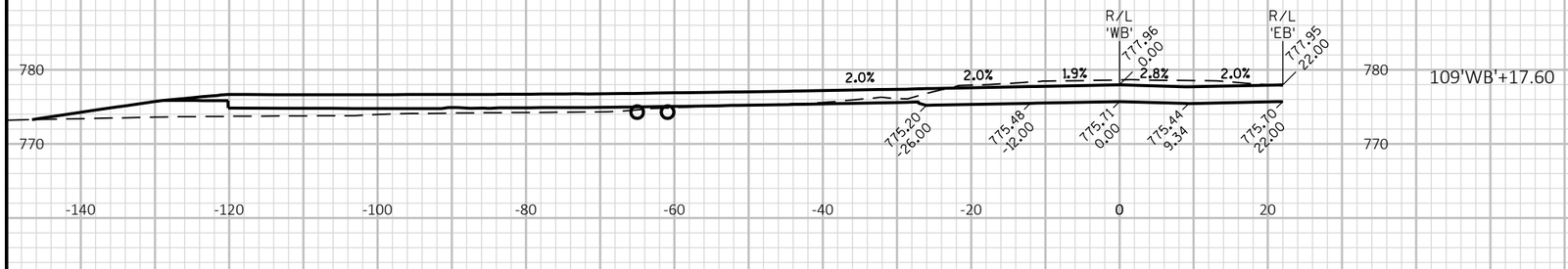
FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090302_xs(01)

PLOT DATE : 4/27/2023 8:47 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



110'WB'+00



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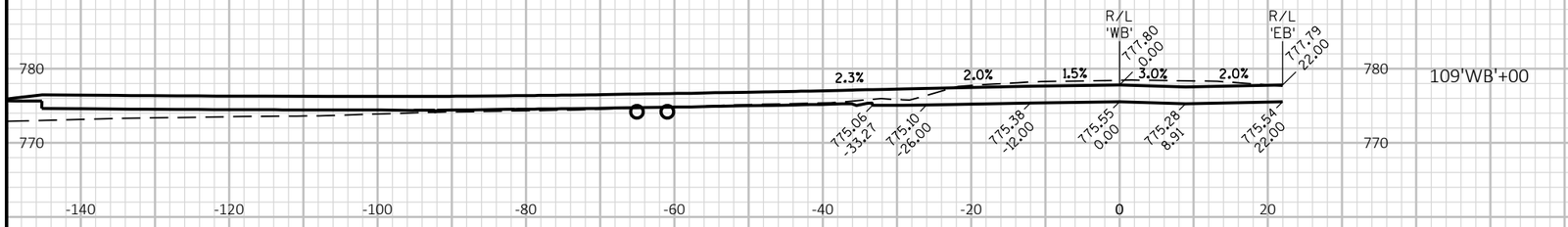
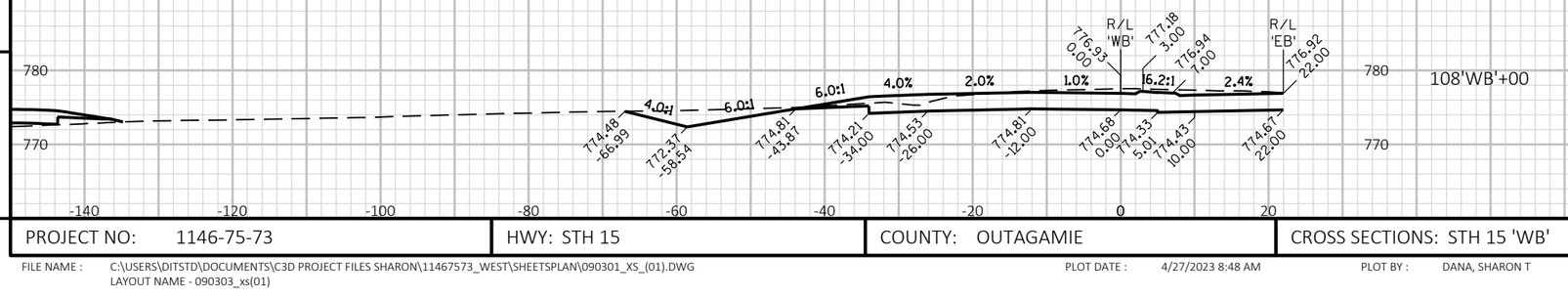


109'WB'+00



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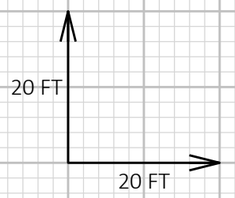

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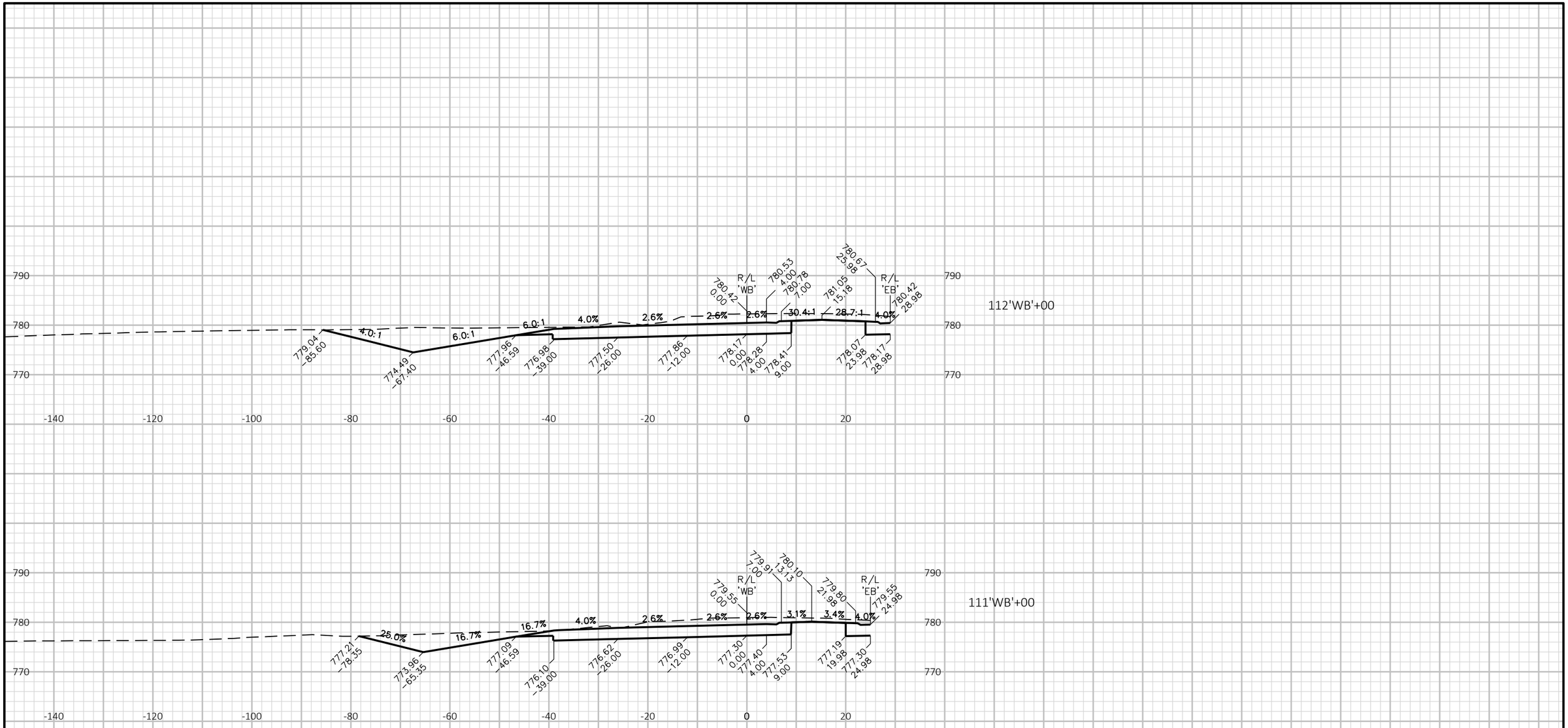
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 580	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090303_xs(01)

PLOT DATE : 4/27/2023 8:48 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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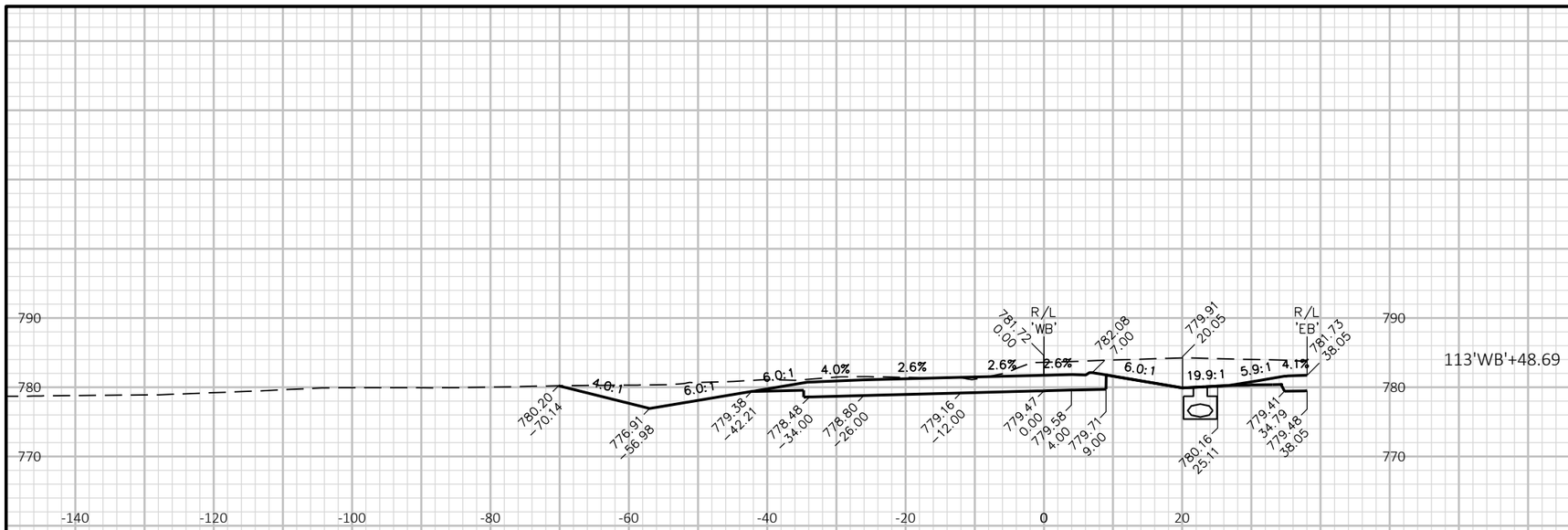
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 581	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090304_xs(01)

PLOT DATE : 3/31/2023 3:14 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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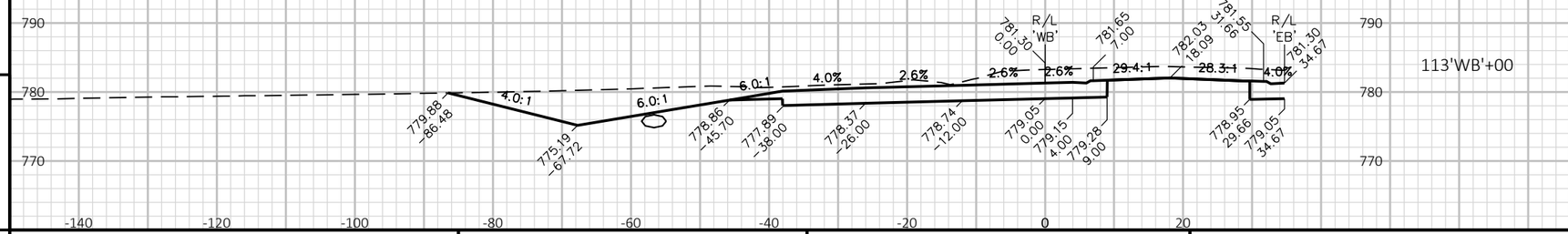
113'WB'+02.44



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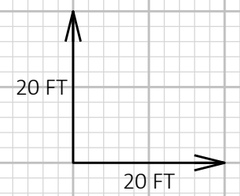

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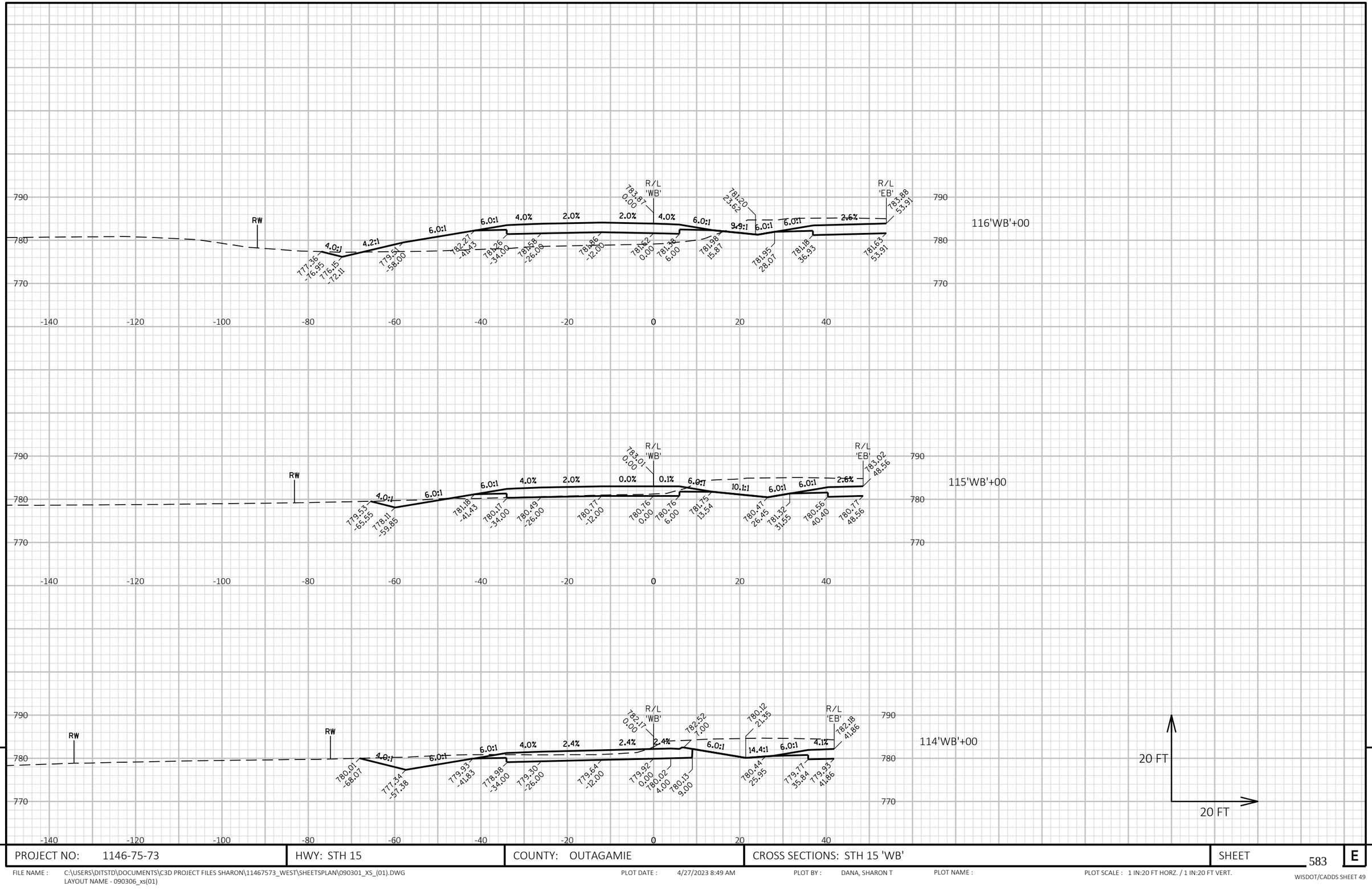
9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 582	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090305_xs(01)

PLOT DATE : 3/31/2023 3:14 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

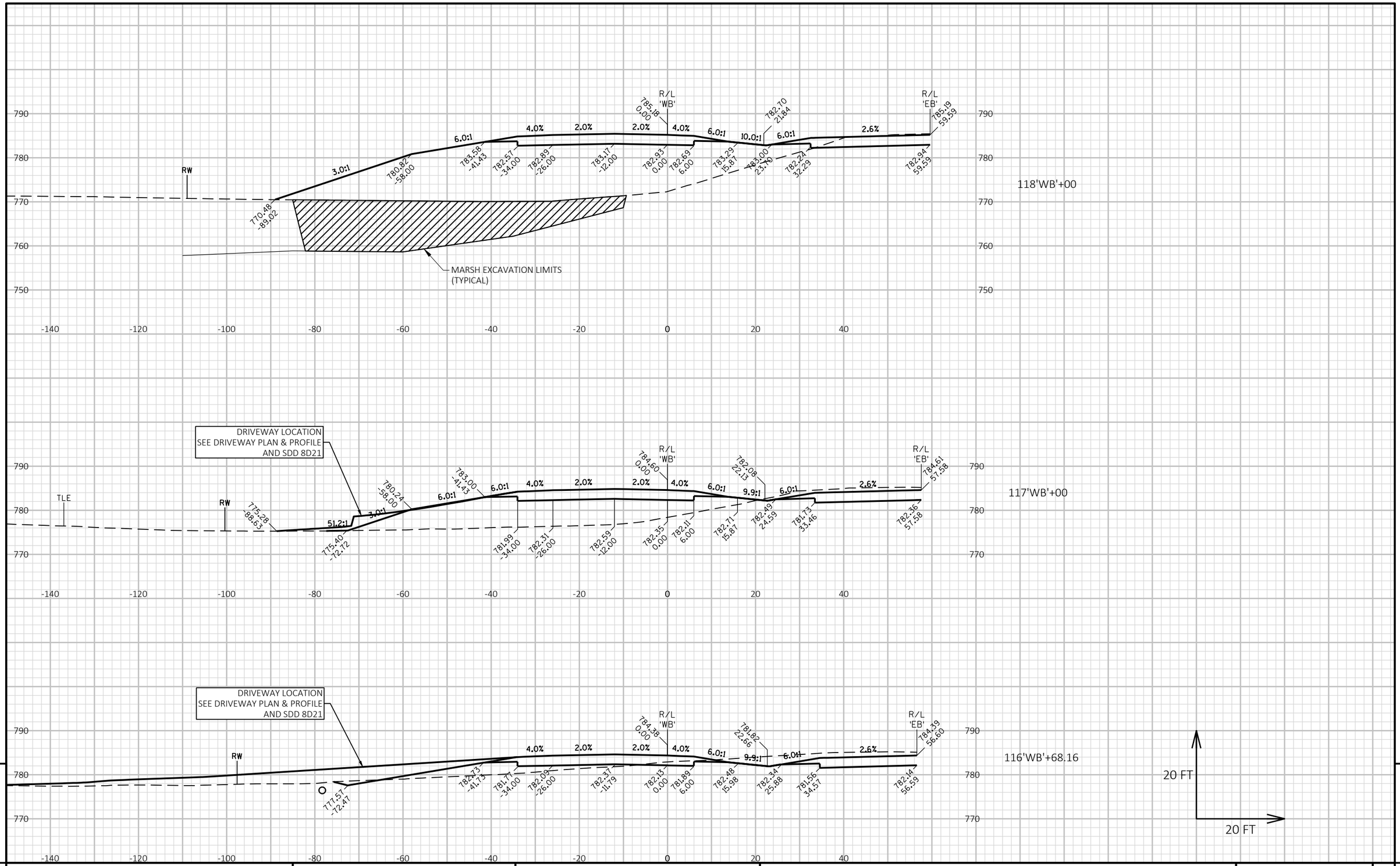
9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 583	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090306_xs(01)

PLOT DATE : 4/27/2023 8:49 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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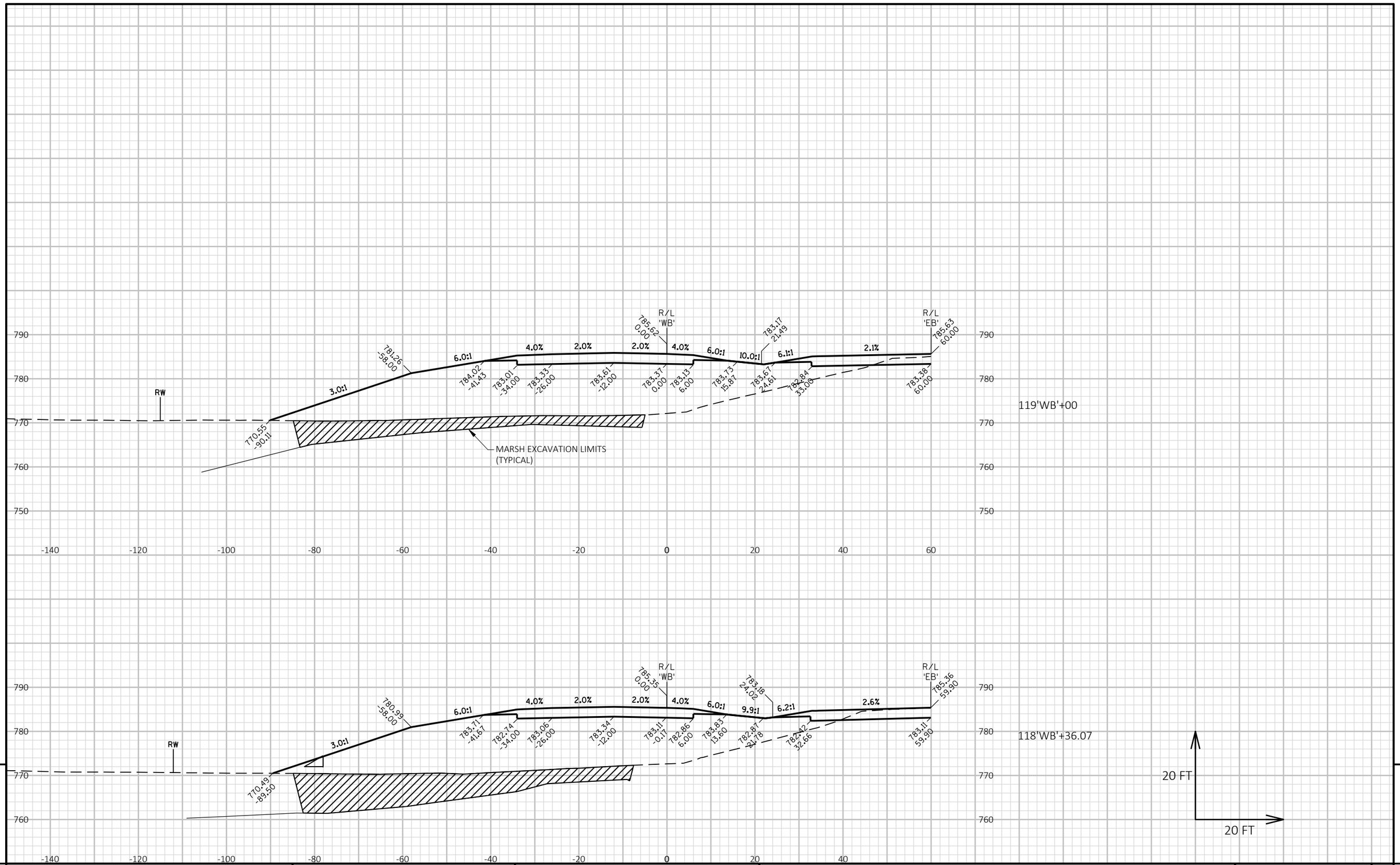
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 584	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090307_xs(01)

PLOT DATE : 4/10/2023 11:13 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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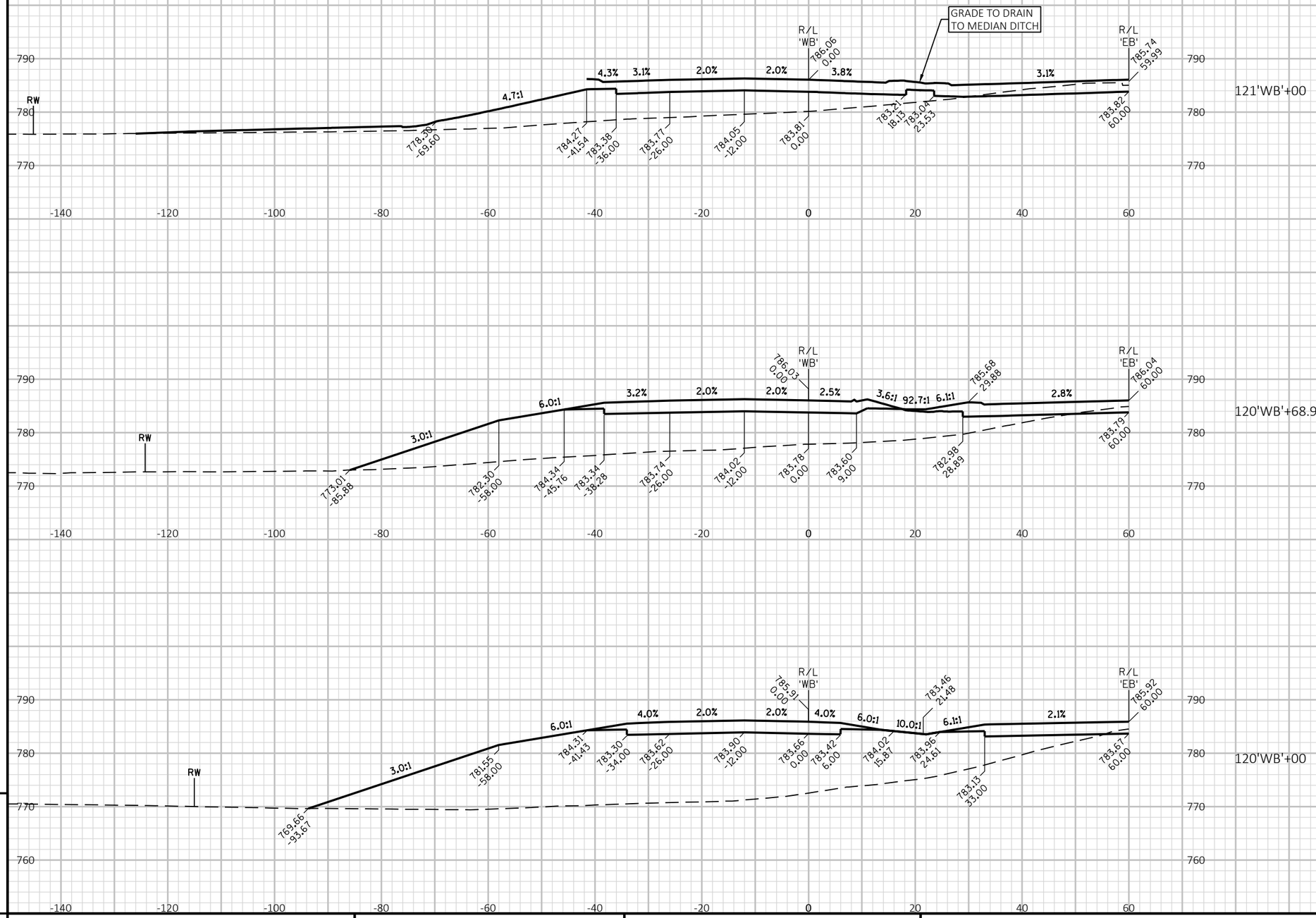
9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 585	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090308_xs(01)

PLOT DATE : 4/10/2023 11:13 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

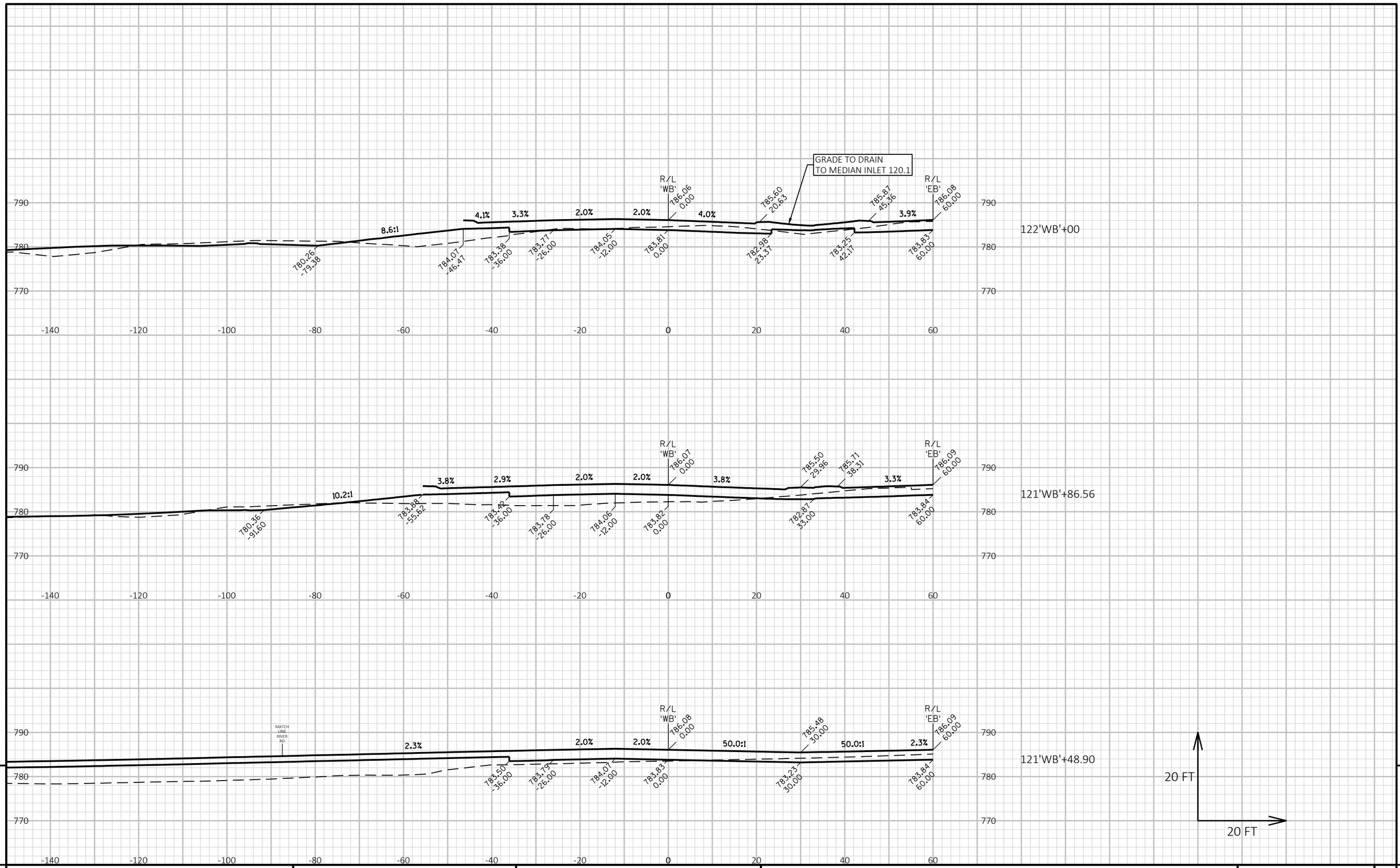
9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 586	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090309_xs(01)

PLOT DATE : 4/27/2023 8:51 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 587	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090310_xs(01)

PLOT DATE : 4/27/2023 8:53 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

9

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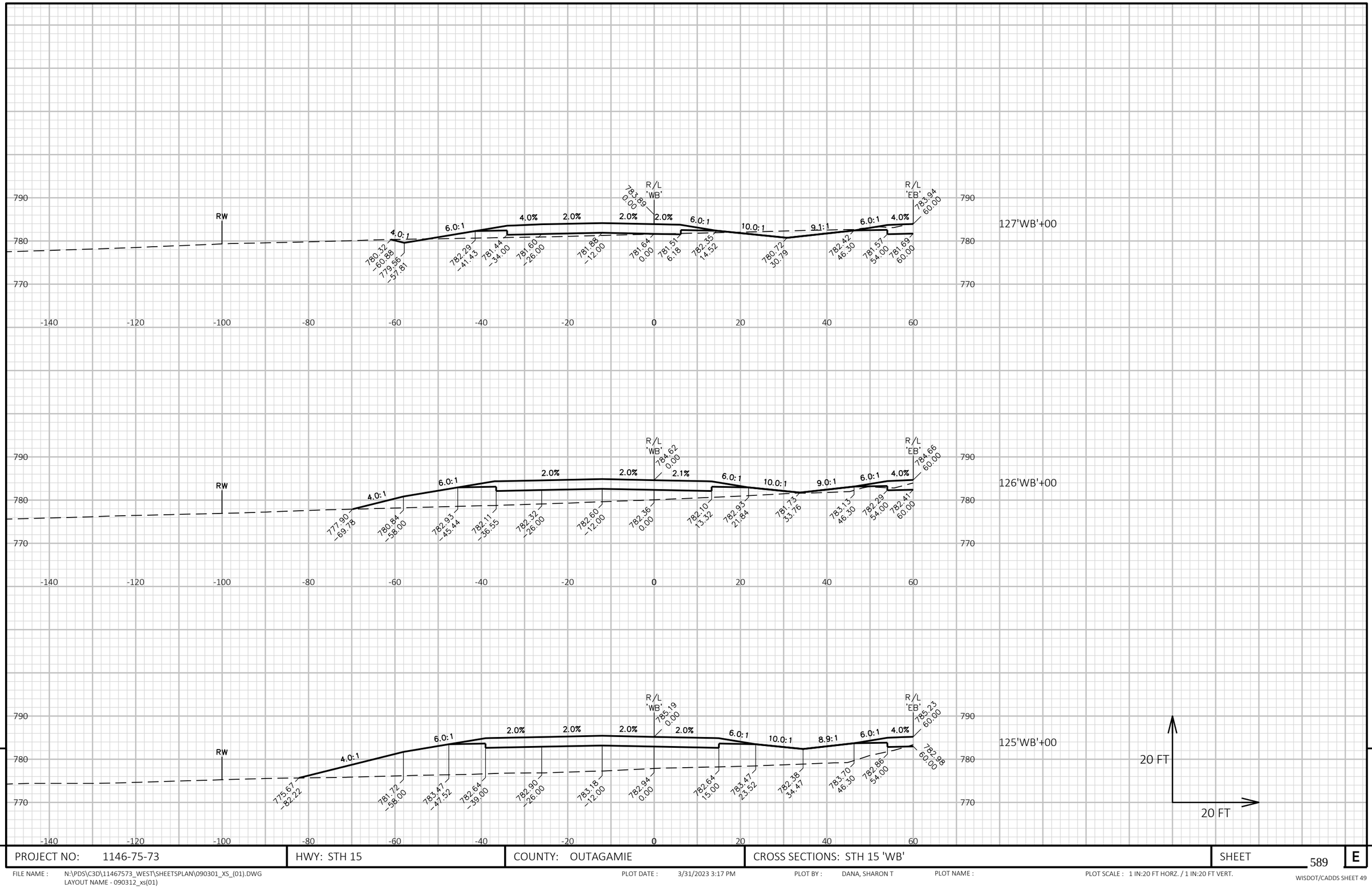
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 588	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090311_xs(01)

PLOT DATE : 4/27/2023 8:55 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 589	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090312_xs(01)

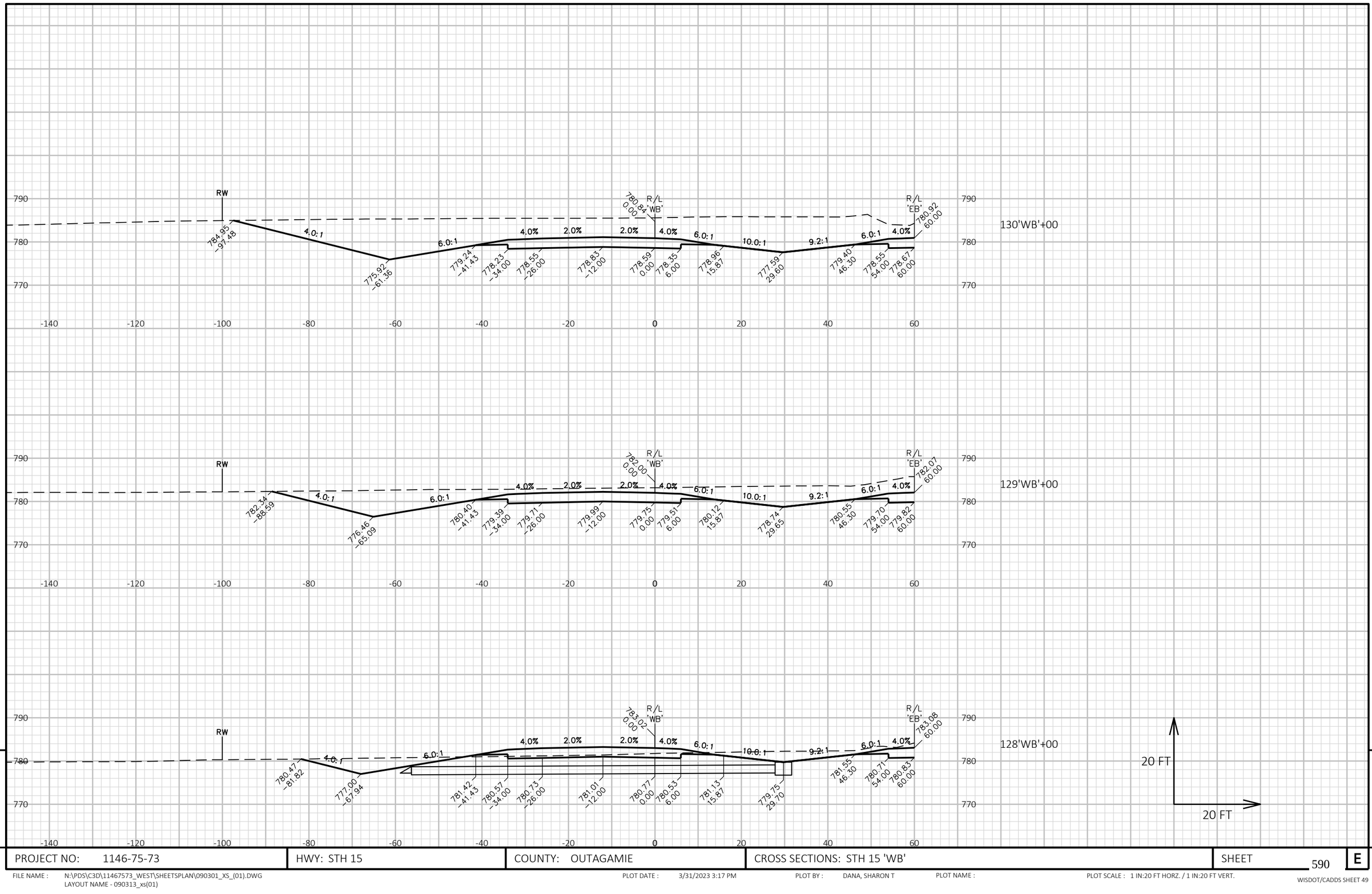
PLOT DATE : 3/31/2023 3:17 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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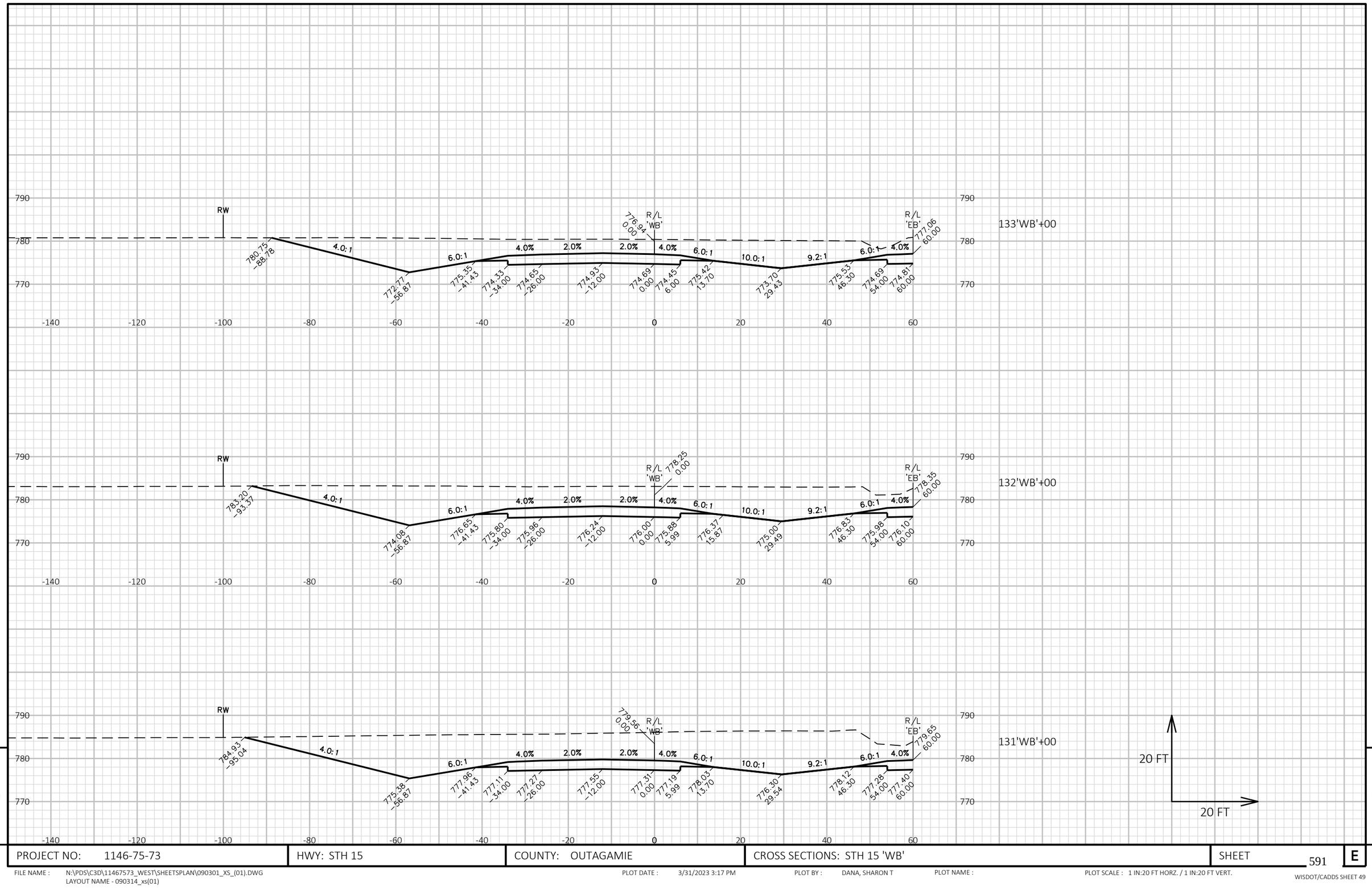
9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 590	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090313_xs(01)

PLOT DATE : 3/31/2023 3:17 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 591	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090314_xs(01)

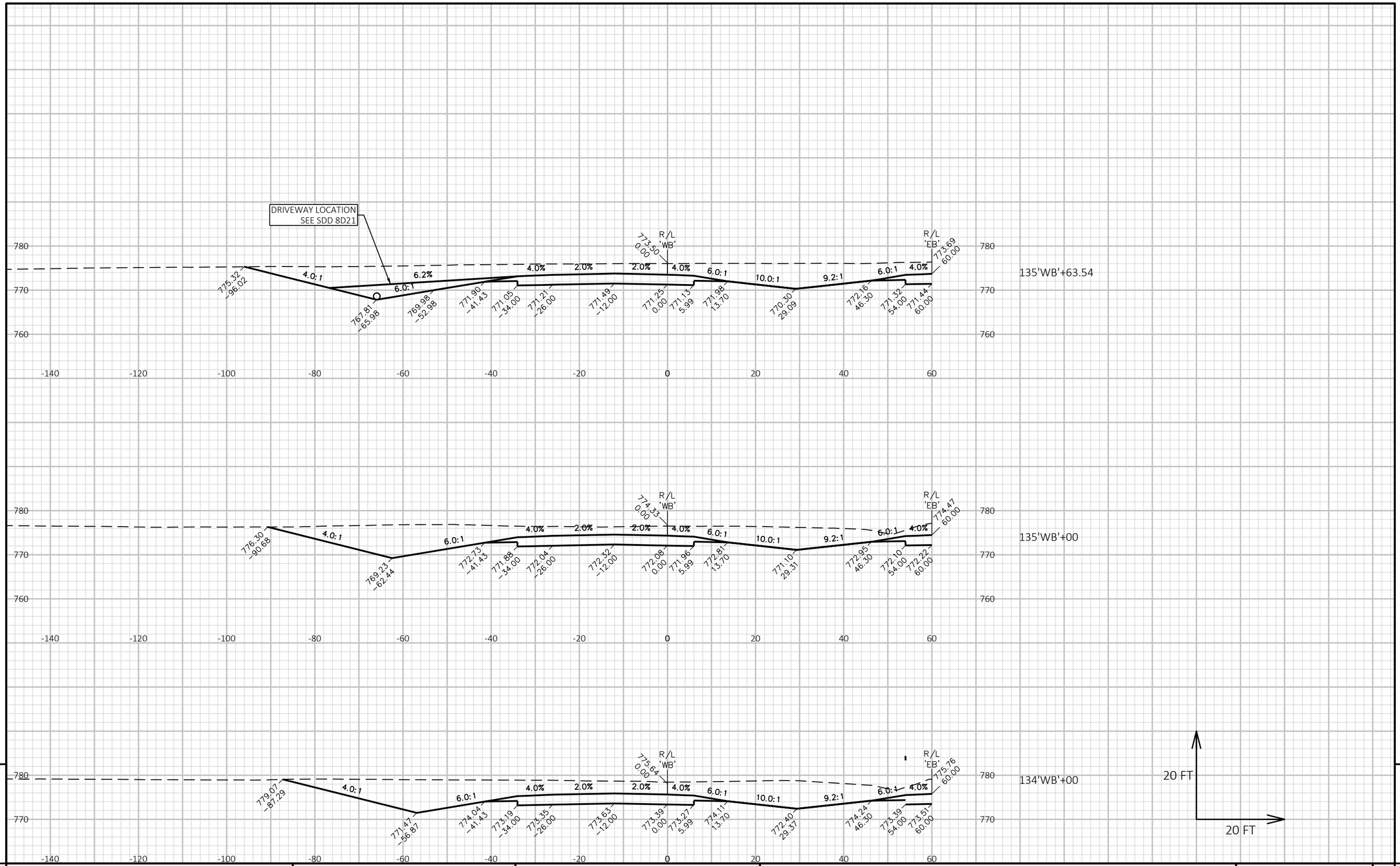
PLOT DATE : 3/31/2023 3:17 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 592	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090315_xs(01)

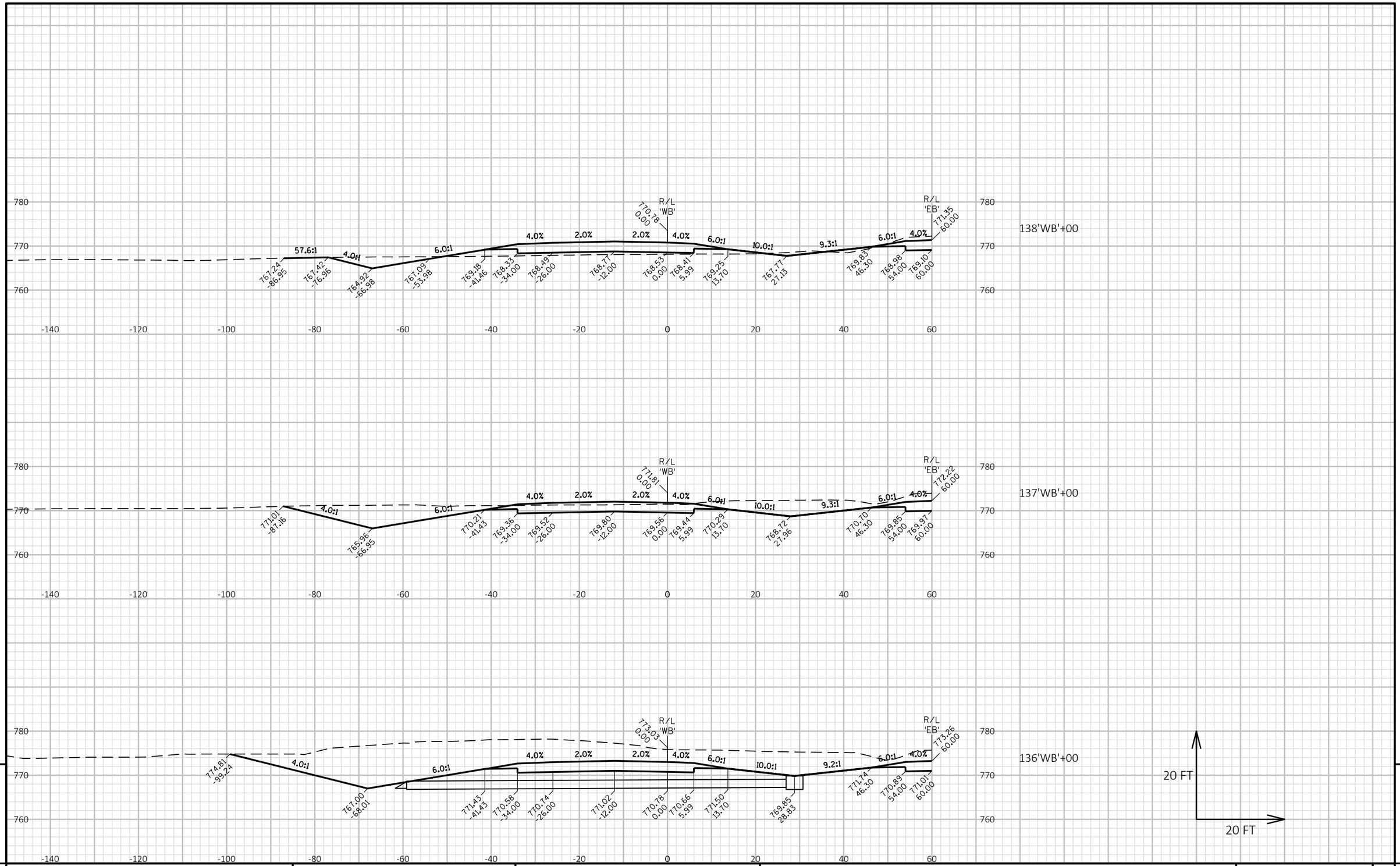
PLOT DATE : 3/31/2023 3:18 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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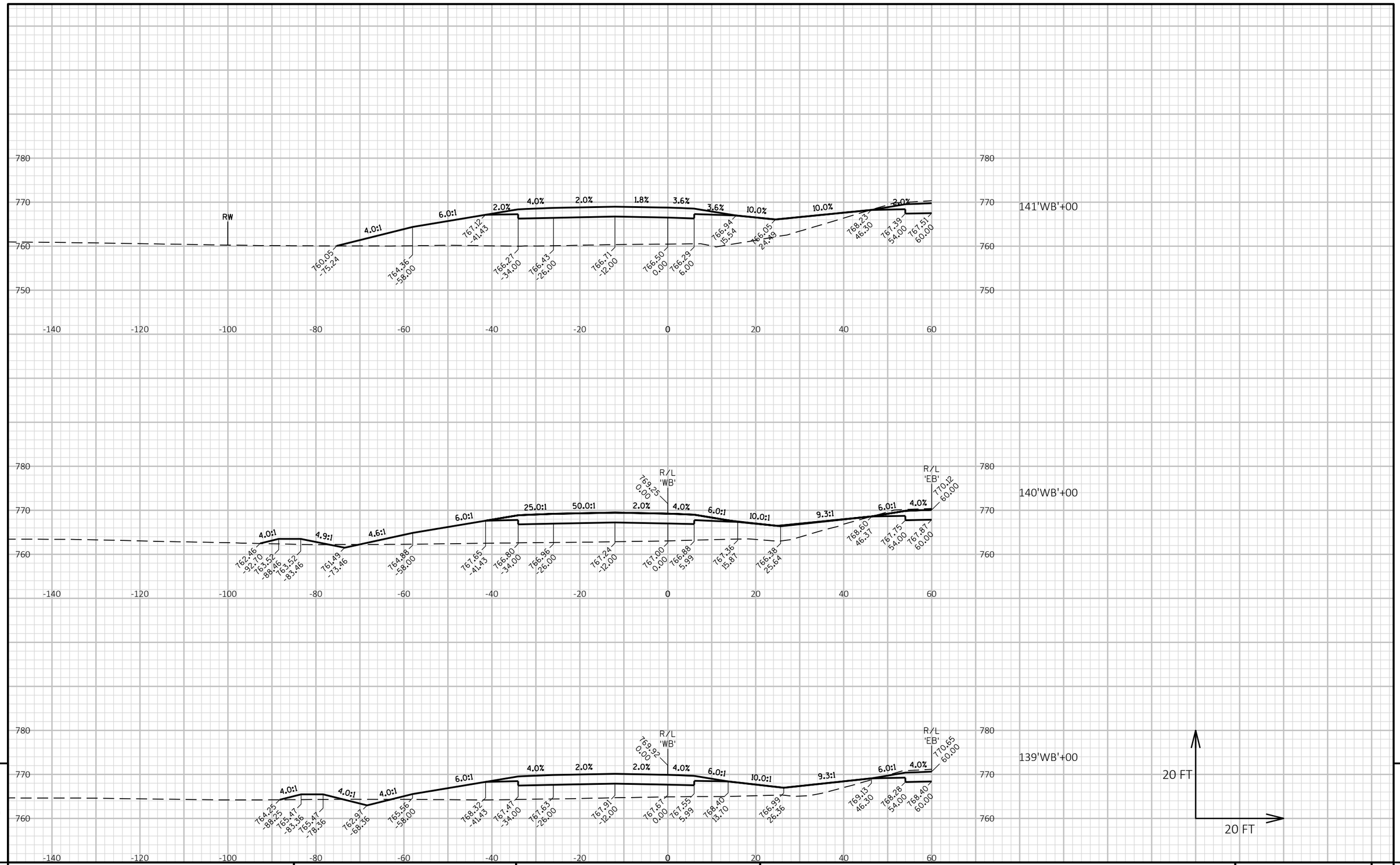
9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 593	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090316_xs(01)

PLOT DATE : 4/27/2023 8:56 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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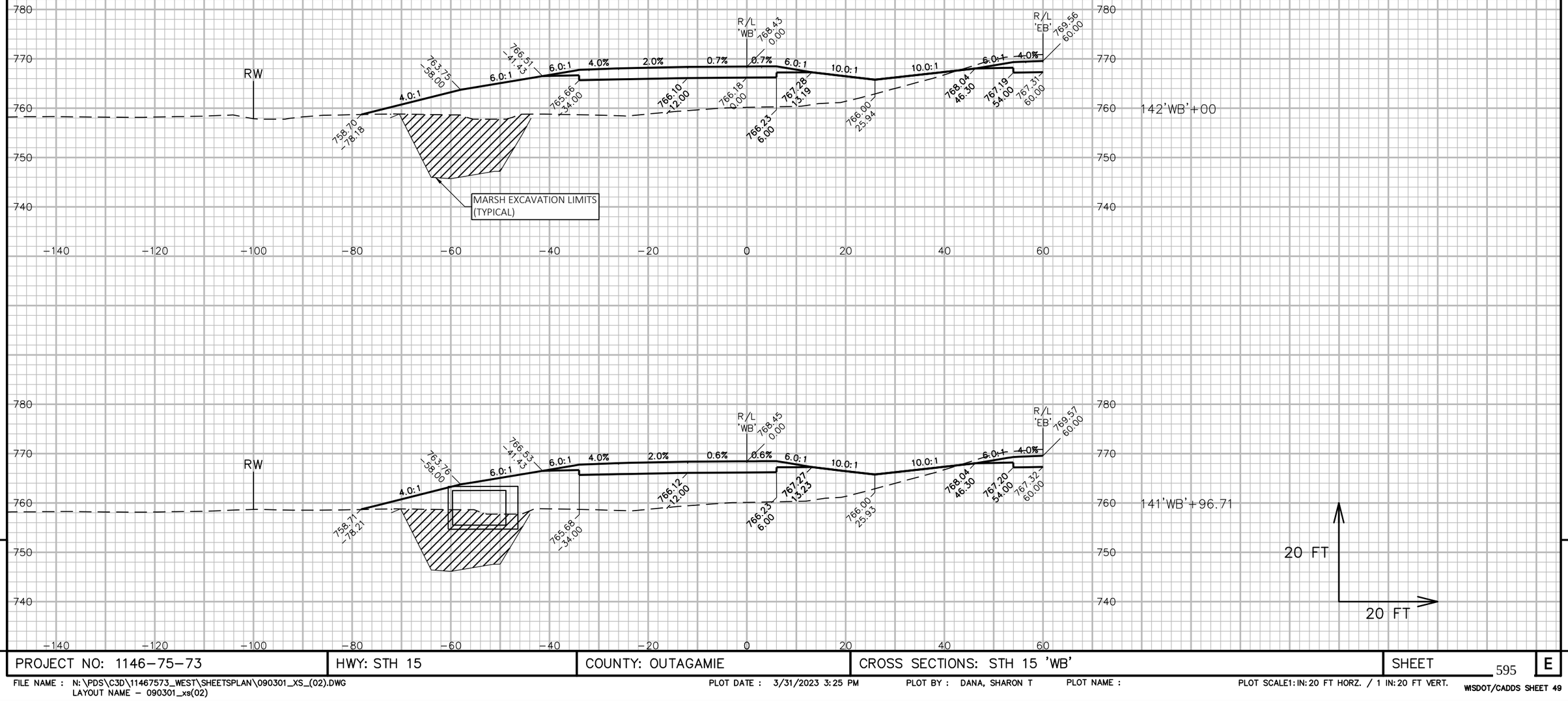
9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 594	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(01).DWG
LAYOUT NAME - 090317_xs(01)

PLOT DATE : 4/10/2023 11:42 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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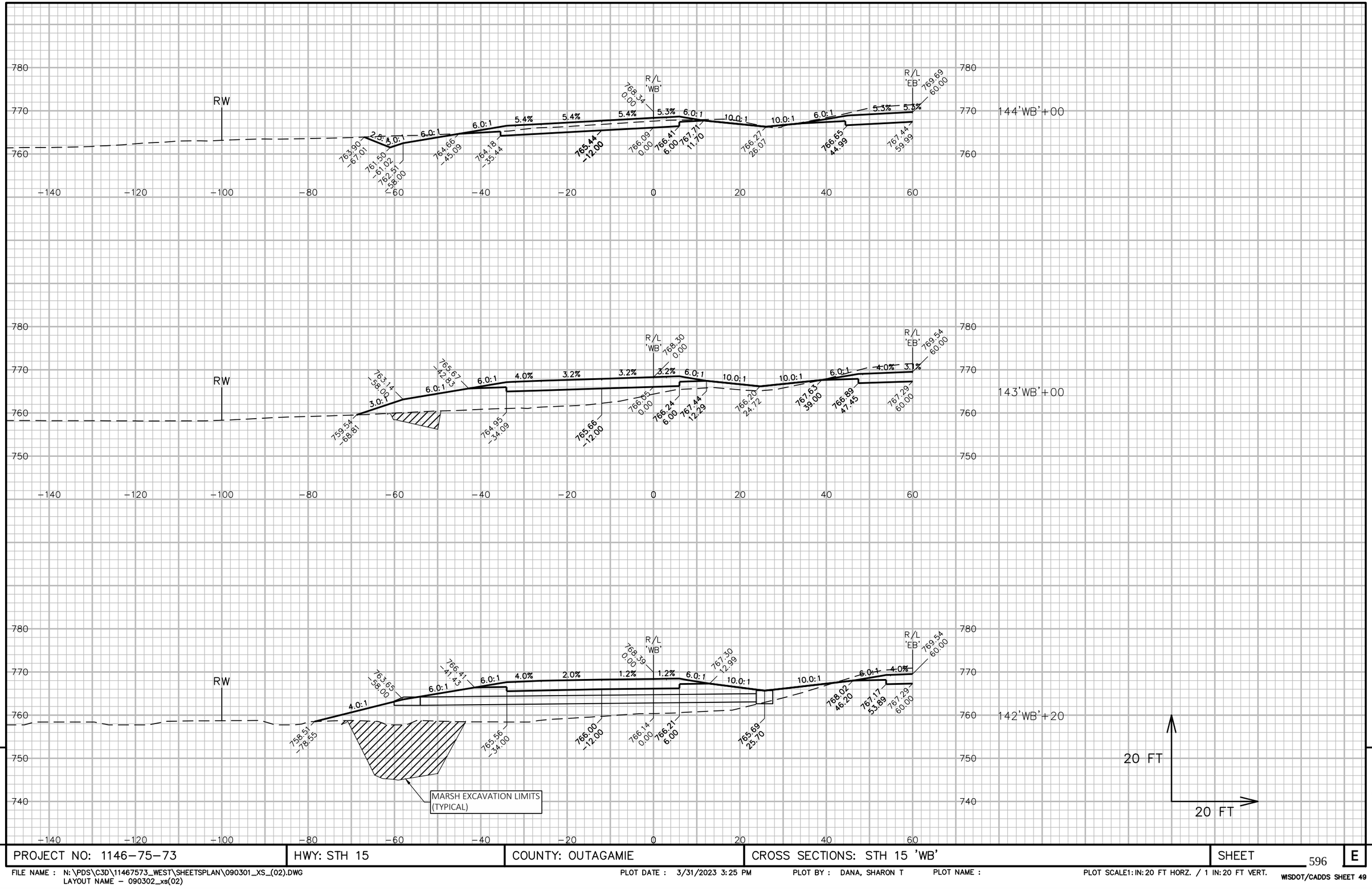
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 595	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090301_xs(02)

PLOT DATE : 3/31/2023 3:25 PM PLOT BY : DANA, SHARON T PLOT NAME :

PLOT SCALE1: IN: 20 FT HORZ. / 1 IN: 20 FT VERT.

WISDOT/CADDS SHEET 49



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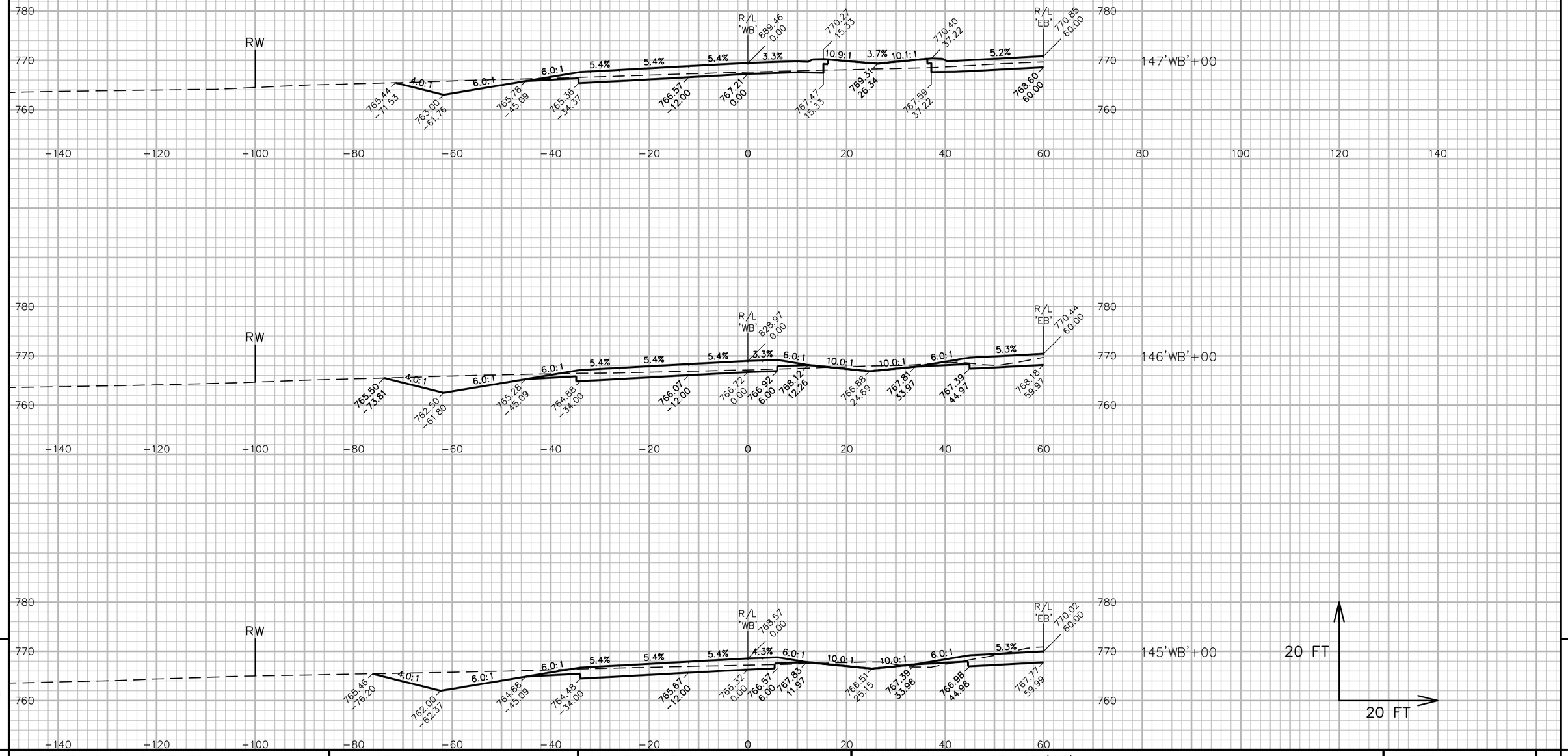
9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 596	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090302_xs(02)

PLOT DATE : 3/31/2023 3:25 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1: IN: 20 FT HORZ. / 1 IN: 20 FT VERT.

WISDOT/CADDS SHEET 49

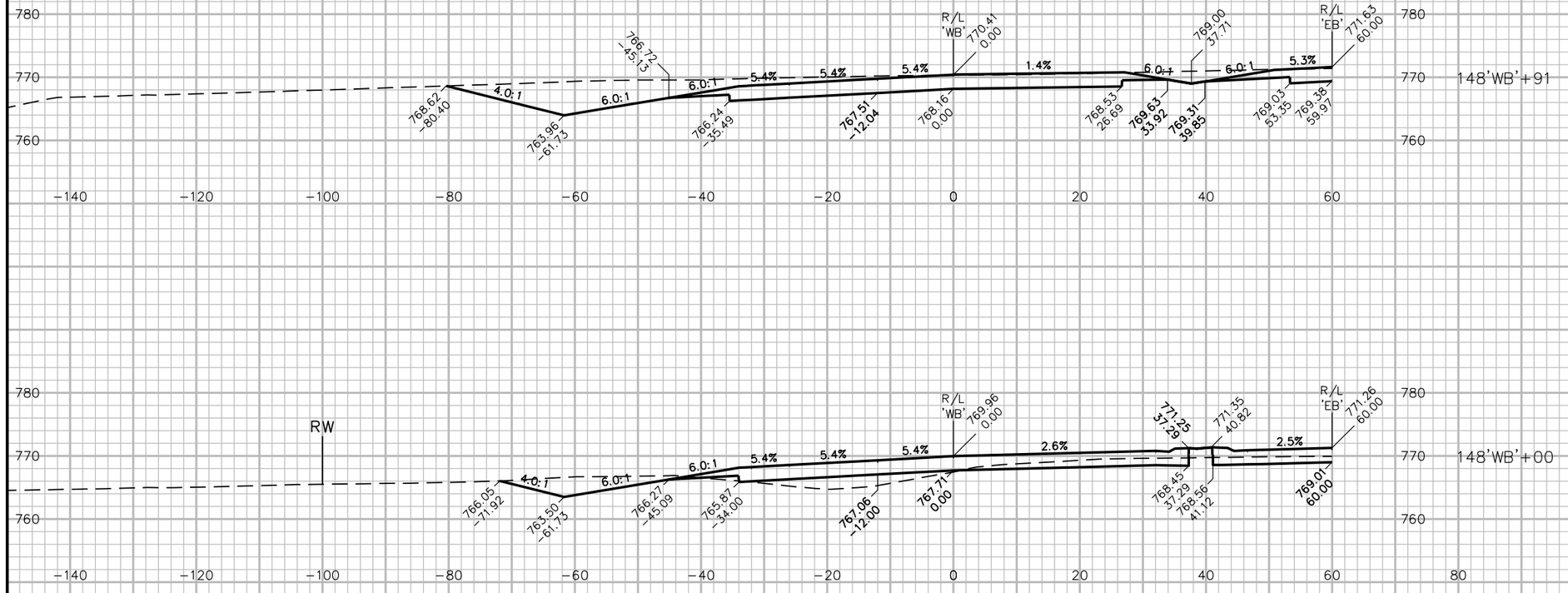


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 597	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090303_xs(02)

PLOT DATE : 3/31/2023 3:25 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1: IN: 20 FT HORZ. / 1 IN: 20 FT VERT.

WISDOT/CADDS SHEET 49



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9

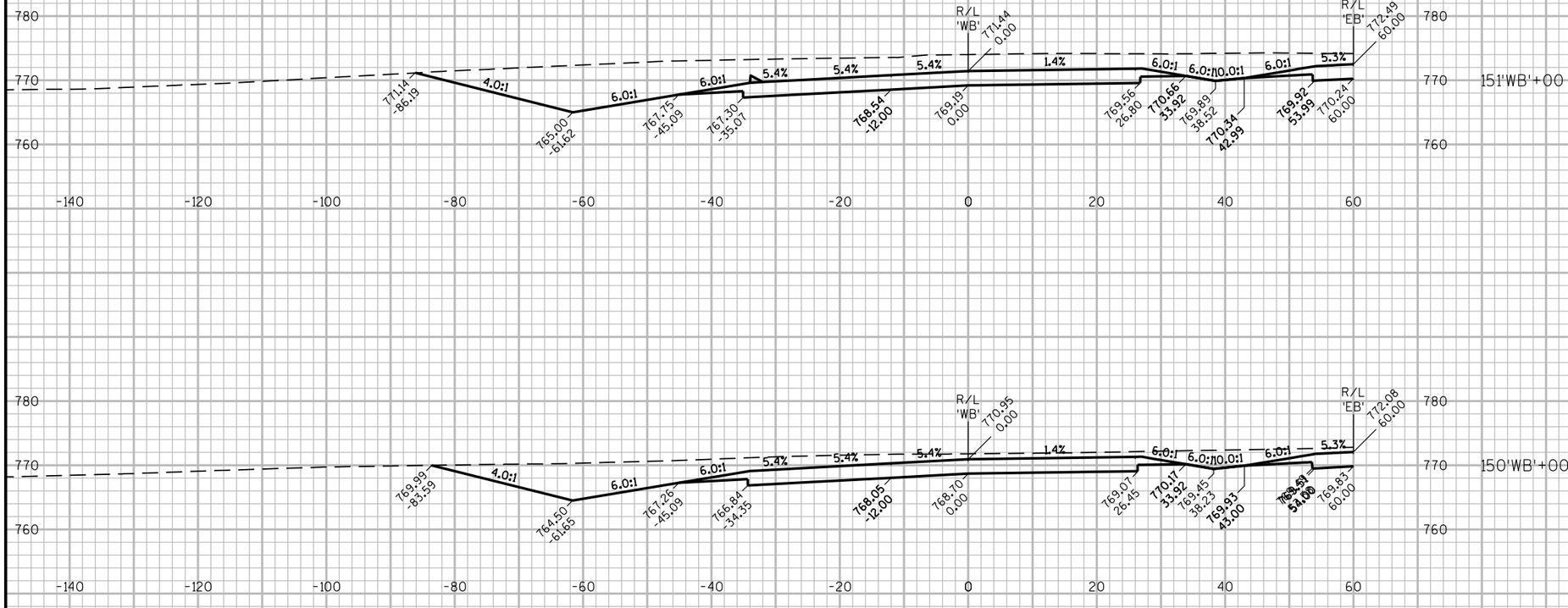
PROJECT NO: 1146−75−73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 598	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME − 090304_xs(02)

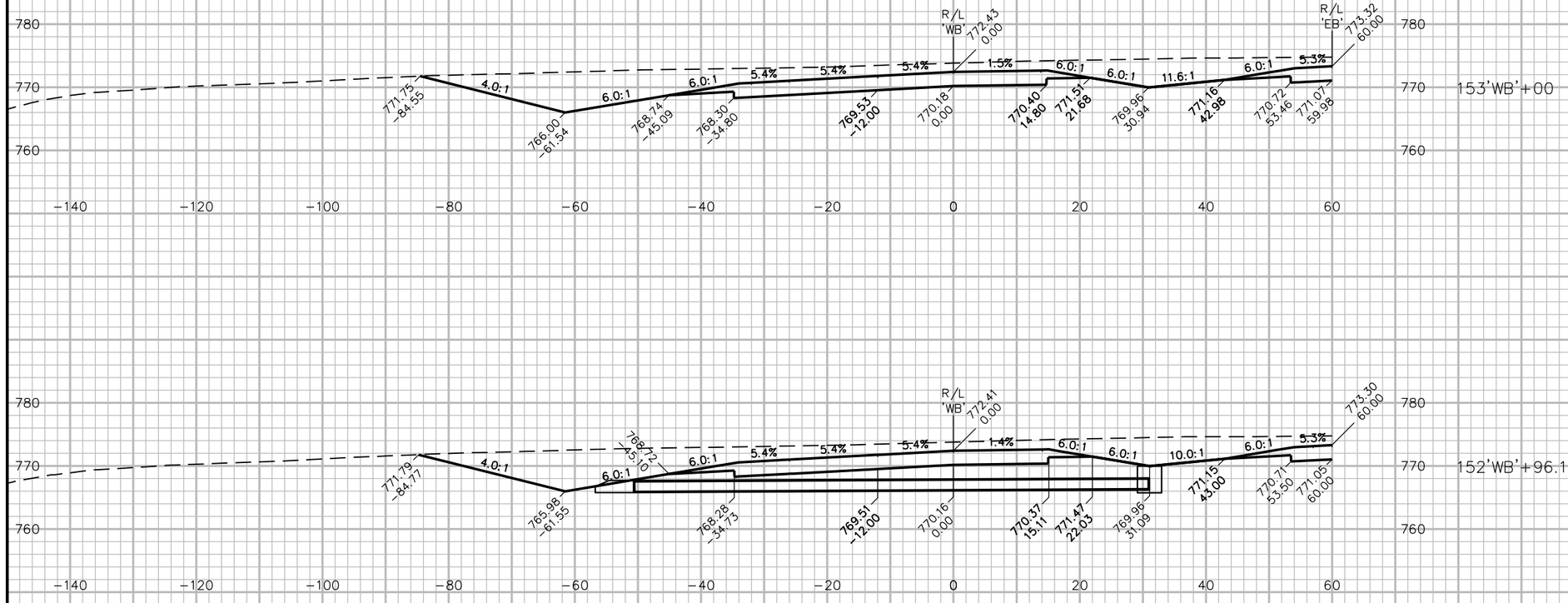
PLOT DATE : 3/31/2023 3:26 PM PLOT BY : DANA, SHARON T PLOT NAME :

PLOT SCALE1: IN: 20 FT HORZ. / 1 IN: 20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 599	E



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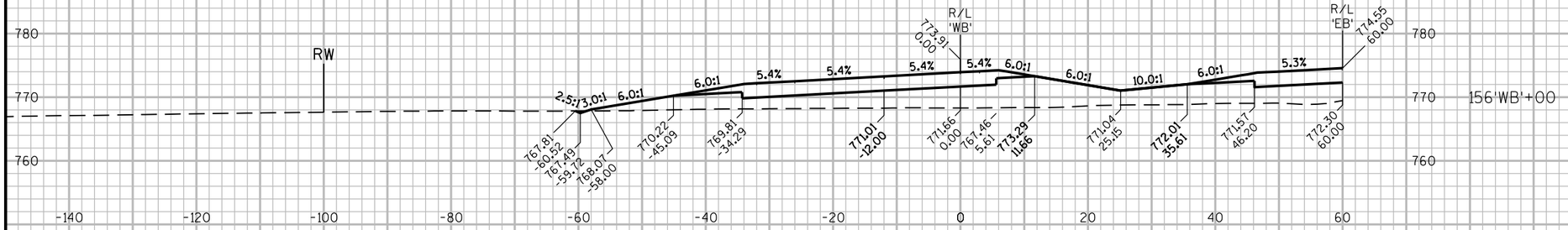
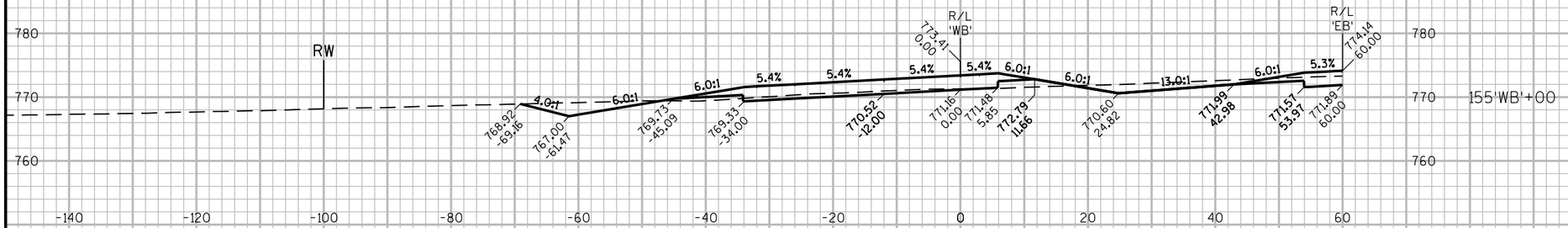
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 600	E

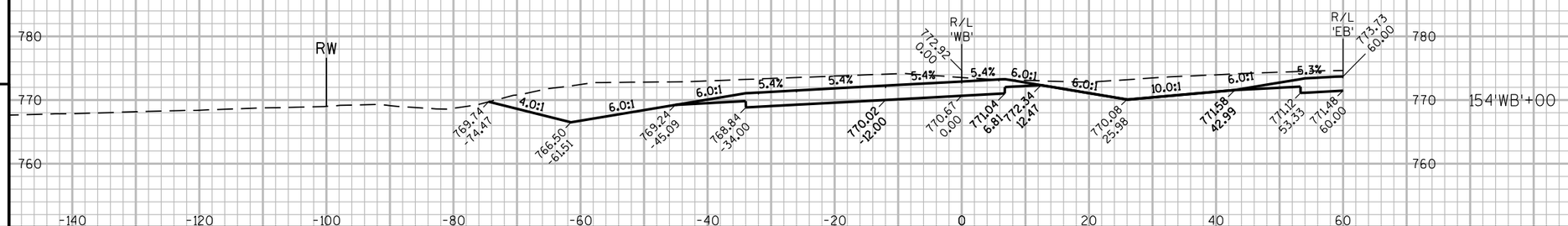
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090306_xs(02)

PLOT DATE : 3/31/2023 3:26 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1: IN: 20 FT HORZ. / 1 IN: 20 FT VERT.

WISDOT/CADDS SHEET 49







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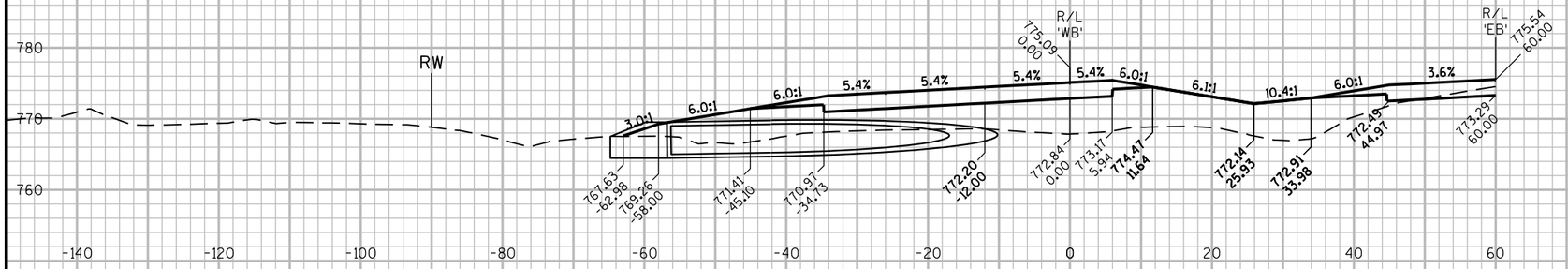
9

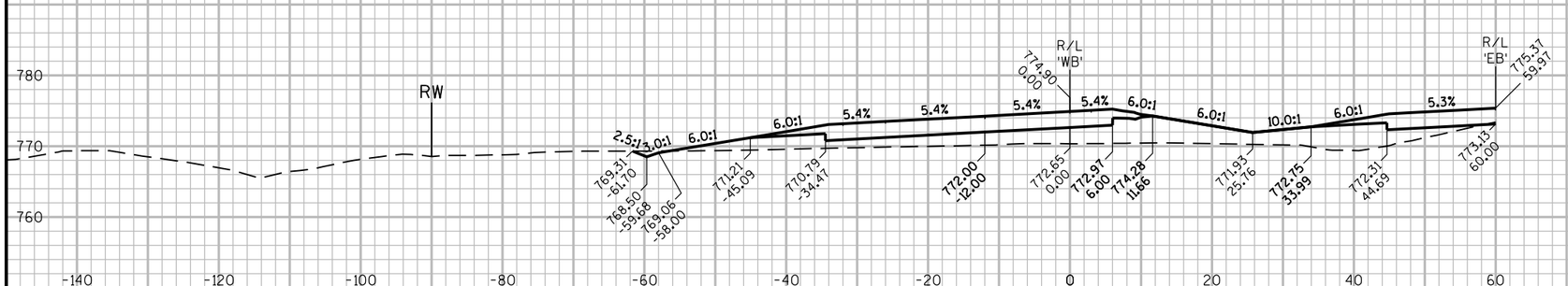
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 601	E

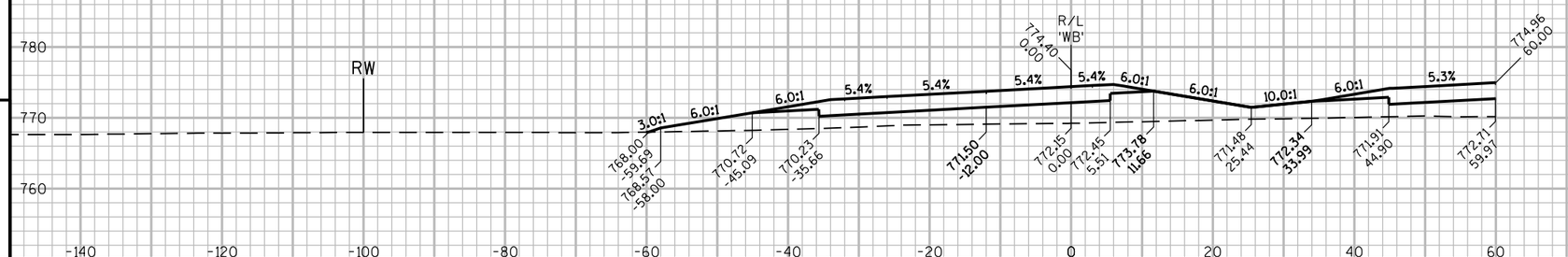
FILE NAME : C:±USERS±DITSTD±DOCUMENTS±C3D PROJECT FILES SHARON±11467573_WEST±SHEETSPLAN±090301_XS_(02).DWG
LAYOUT NAME - 090307_xs(02)

PLOT DATE : 4/27/2023 9:17 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1 :IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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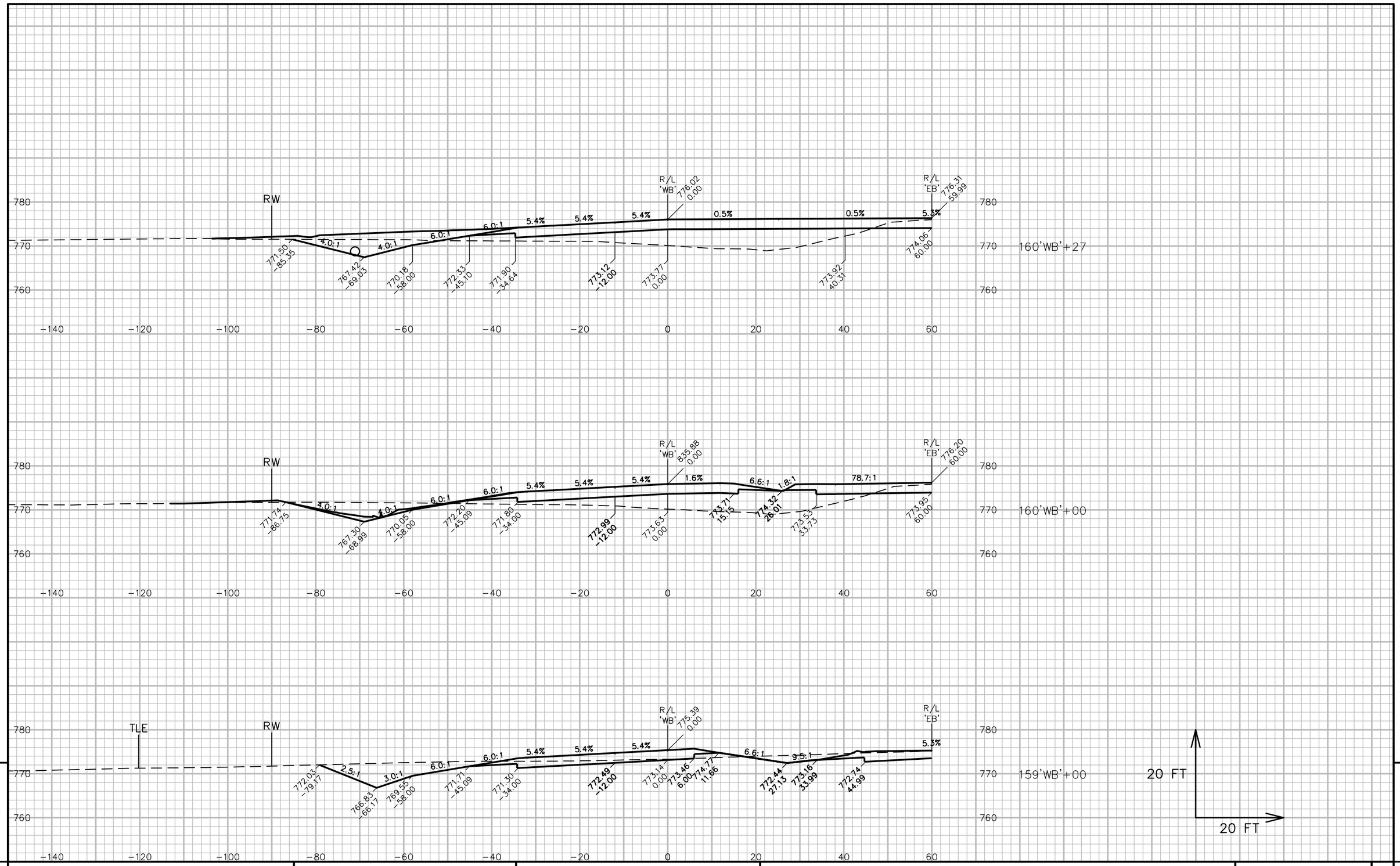
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 602	E

FILE NAME : C:±USERS±DITSTD±DOCUMENTS±C3D PROJECT FILES SHARON±11467573_WEST±SHEETSPLAN±090301_XS_(02).DWG
LAYOUT NAME - 090308_xs(02)

PLOT DATE : 4/27/2023 9:18 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1 :IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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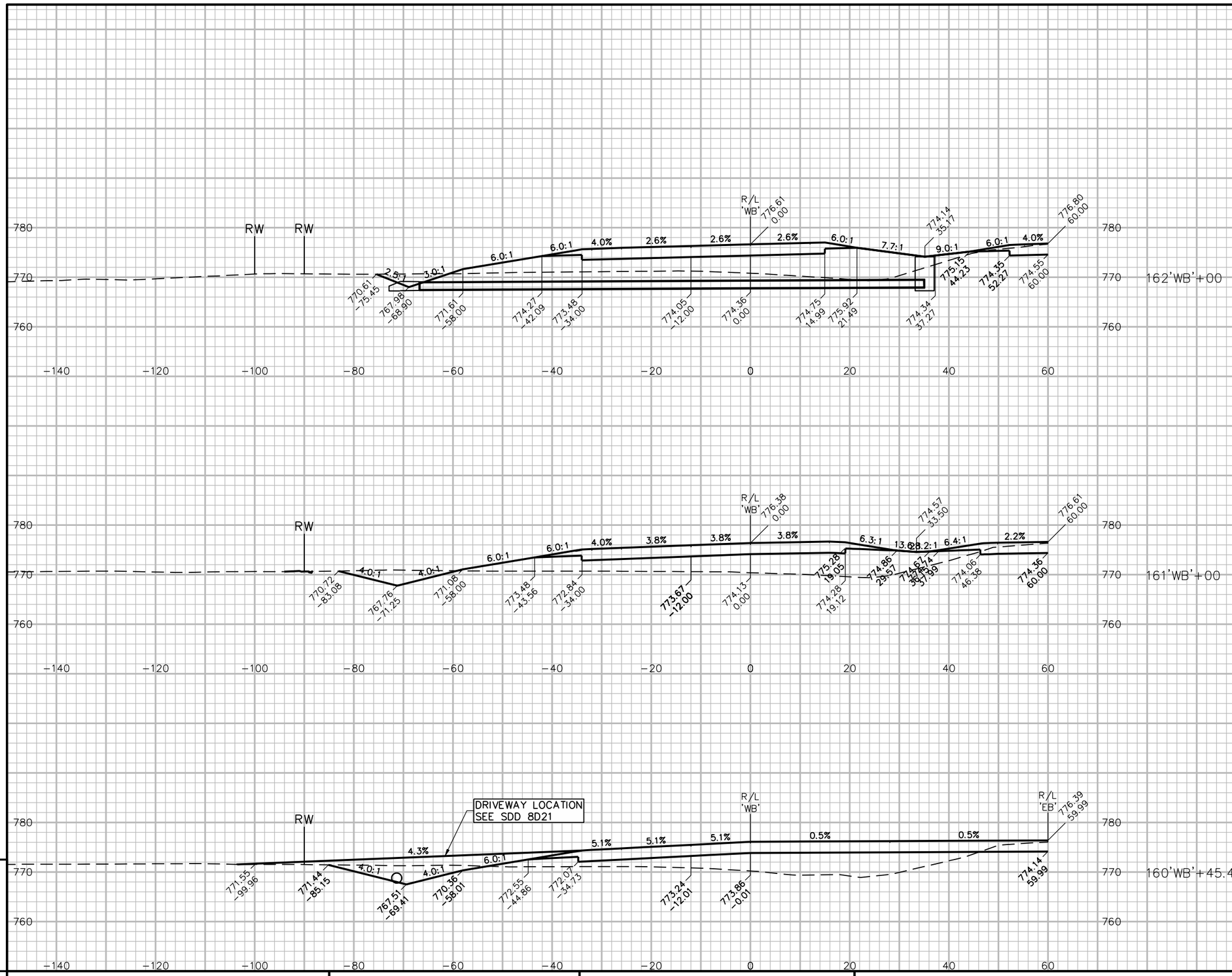
9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 603	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090309_xs(02)

PLOT DATE : 3/31/2023 3:26 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1: IN: 20 FT HORZ. / 1 IN: 20 FT VERT.

WISDOT/CADDS SHEET 49



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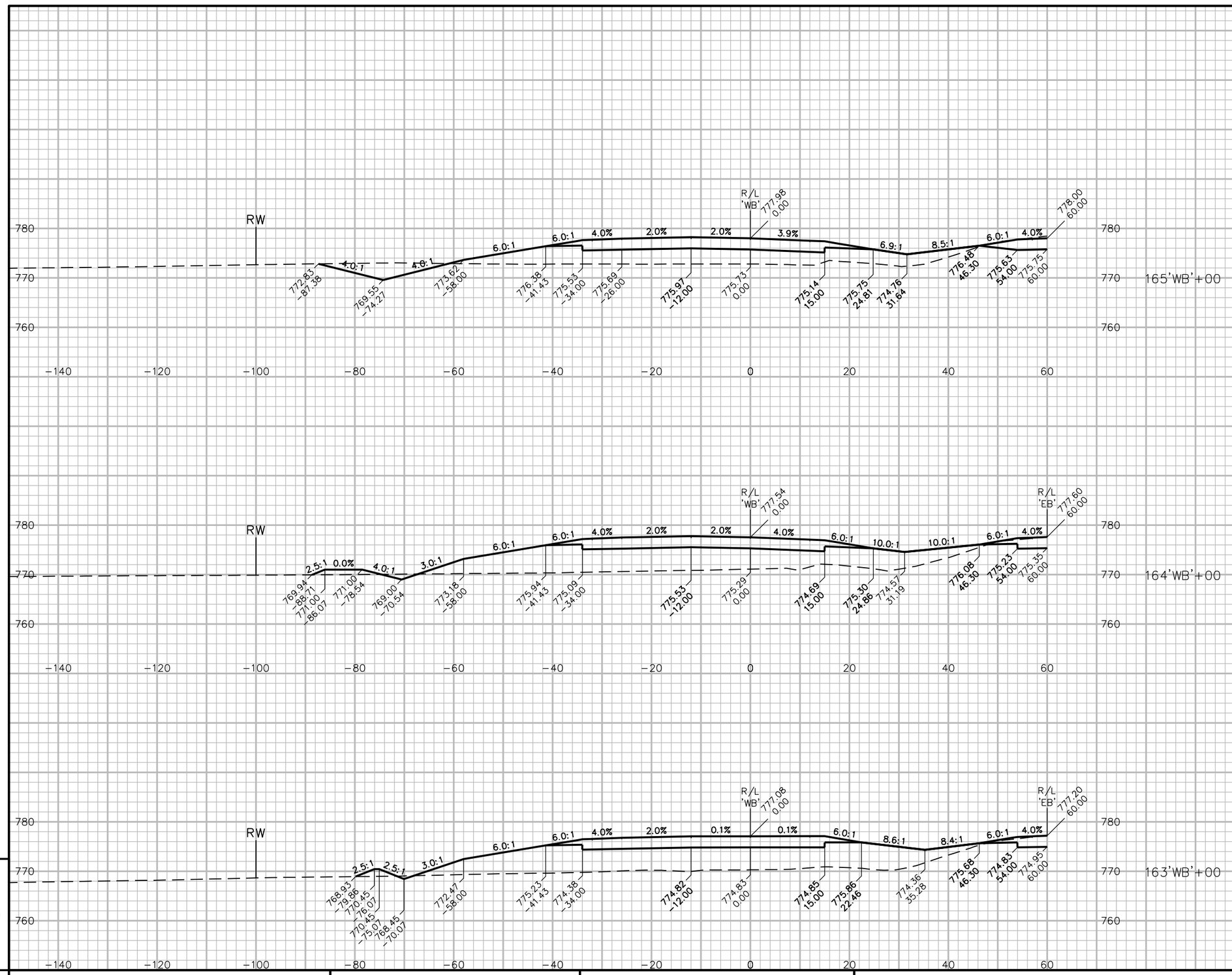
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 604	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090310_xs(02)

PLOT DATE : 3/31/2023 3:26 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1: IN: 20 FT HORZ. / 1 IN: 20 FT VERT.

WISDOT/CADDS SHEET 49

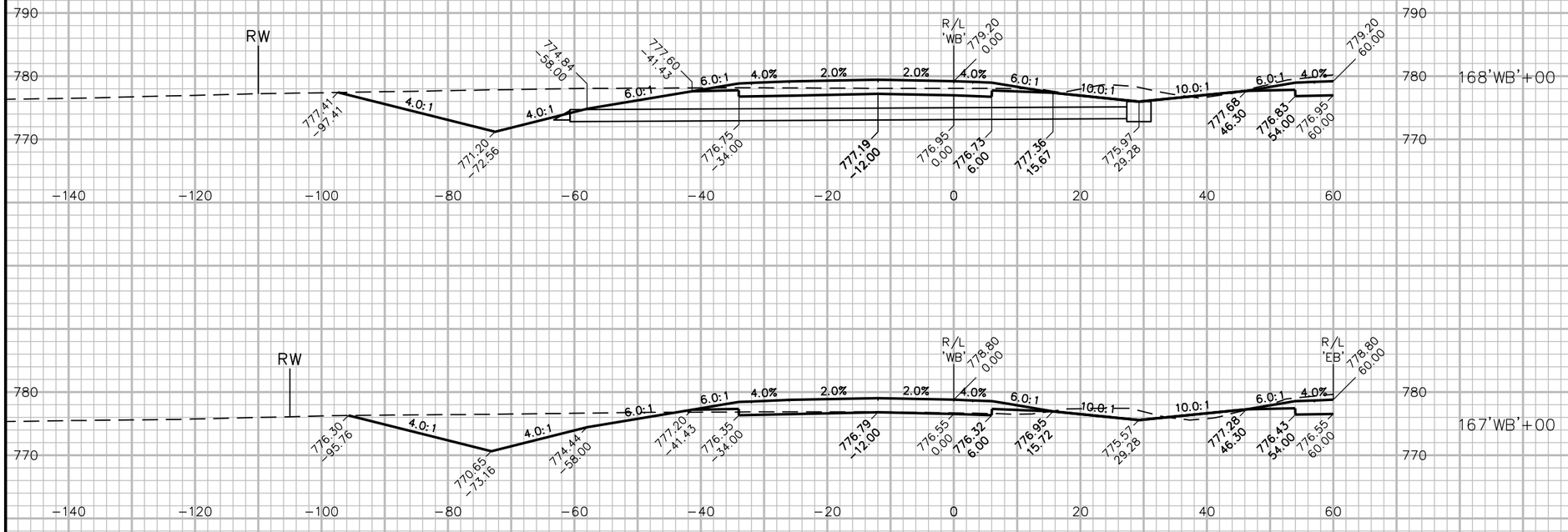


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 605	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090311_xs(02)

PLOT DATE : 3/31/2023 3:27 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1: IN: 20 FT HORZ. / 1 IN: 20 FT VERT.

WISDOT/CADDS SHEET 49

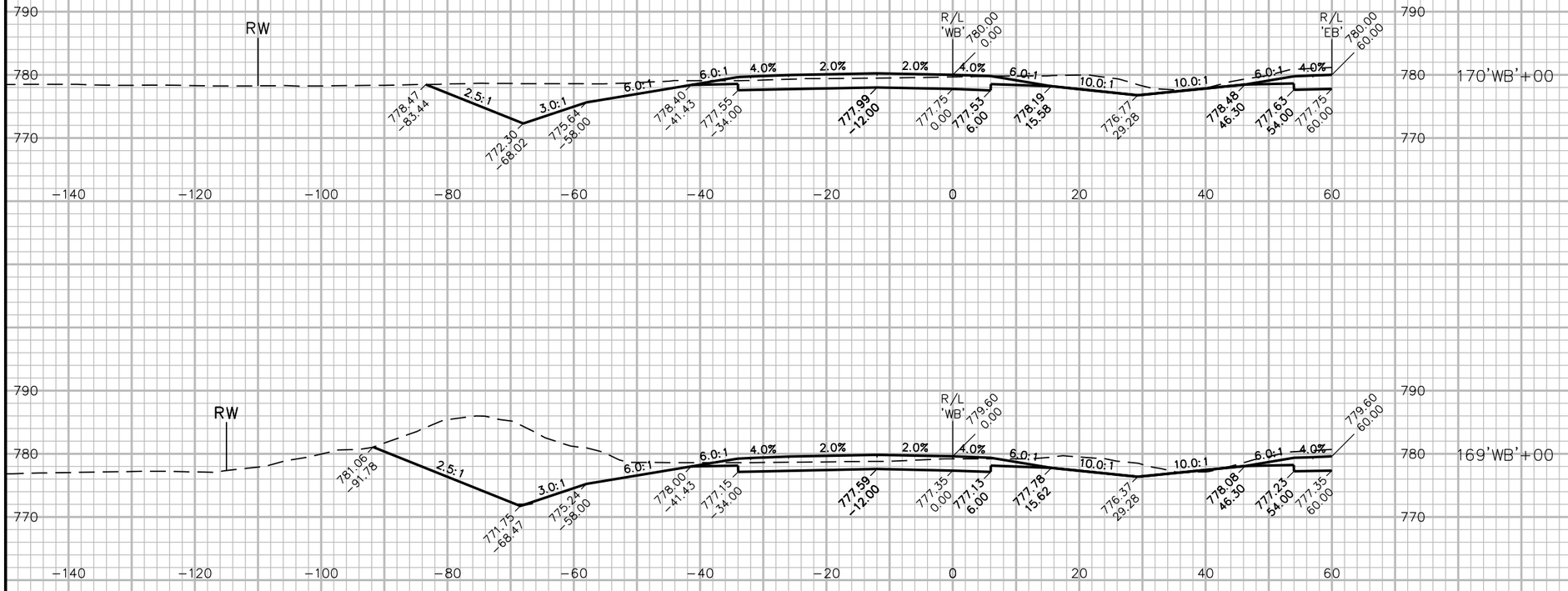


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 606	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090312_xs(02)

PLOT DATE : 3/31/2023 3:27 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1:IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

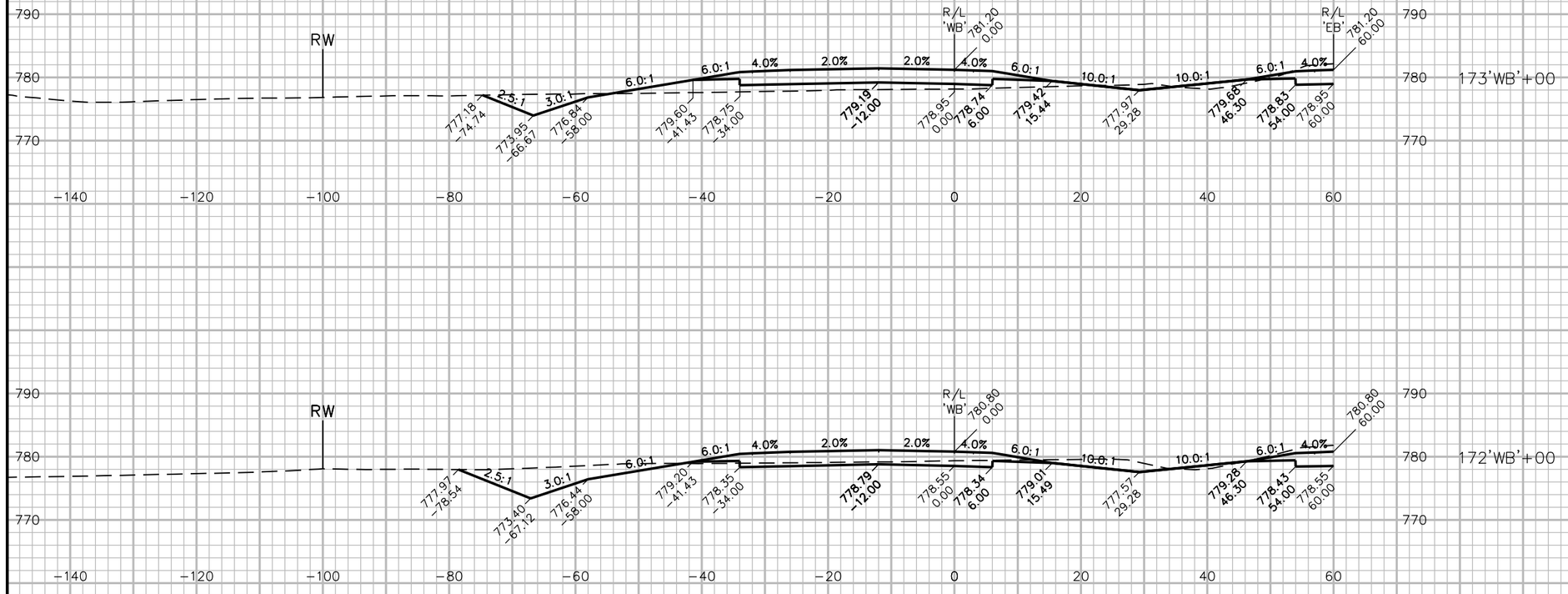


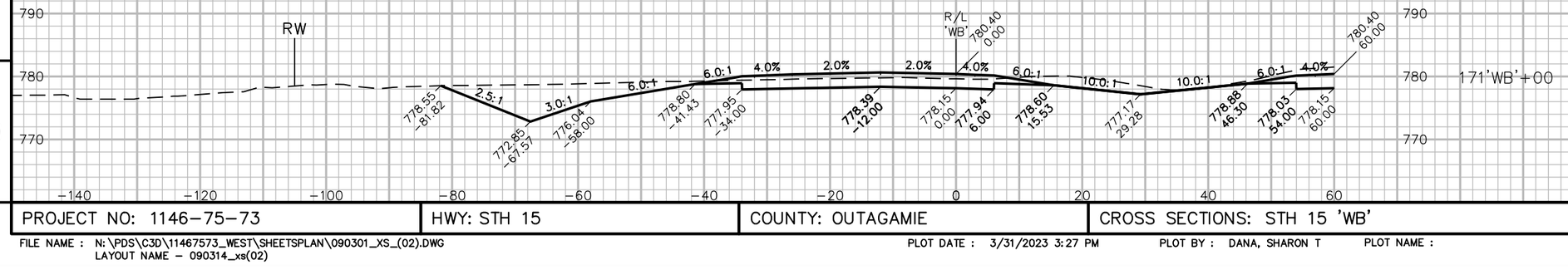
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 607	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090313_xs(02)

PLOT DATE : 3/31/2023 3:27 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1: IN: 20 FT HORZ. / 1 IN: 20 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 608	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090314_xs(02)

PLOT DATE : 3/31/2023 3:27 PM PLOT BY : DANA, SHARON T PLOT NAME :

PLOT SCALE1:IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

DRIVEWAY LOCATION
SEE SDD 8D21

TLE

RW

R/L
'WB'
782.24
0.00

R/L
'EB'
782.24
60.00

6.4% 2.5% 3.0:1 6.0:1 6.0:1 4.0% 2.0% 2.0% 4.0% 6.0:1 10.0:1 10.0:1 6.0:1 4.0%

776.63 −115.72
777.35 −70.40
775.38 −65.50
777.88 −58.00
780.64 −41.44
779.79 −34.00
780.23 −12.00
779.99 0.00
779.80 6.00
780.49 15.33
779.02 29.28
779.87 54.00
779.99 60.00

790 780 770

−140 −120 −100 −80 −60 −40 −20 0 20 40 60

175'WB'+60.76

RW

R/L
'WB'
782.00
0.00

782.00
60.00

6.0:1 6.0:1 4.0% 2.0% 2.0% 4.0% 6.0:1 10.0:1 10.0:1 6.0:1 4.0%

777.35 −71.52
775.05 −65.77
777.64 −58.00
780.40 −41.43
779.55 −34.00
779.99 −12.00
779.75 0.00
779.55 6.00
780.24 15.35
778.77 29.28
780.48 46.30
779.63 54.00
779.75 60.00

790 780 770

−140 −120 −100 −80 −60 −40 −20 0 20 40 60

175'WB'+00

RW

R/L
'WB'
781.60
0.00

781.60
60.00

6.0:1 6.0:1 4.0% 2.0% 2.0% 4.0% 6.0:1 10.0:1 10.0:1 6.0:1 4.0%

777.22 −73.03
774.50 −66.22
777.24 −58.00
780.00 −41.43
779.15 −34.00
779.59 −12.00
779.35 0.00
779.15 6.00
779.83 15.40
778.37 29.28
780.08 46.30
779.23 54.00
779.35 60.00

790 780 770

−140 −120 −100 −80 −60 −40 −20 0 20 40 60

174'WB'+00

20 FT

20 FT

9

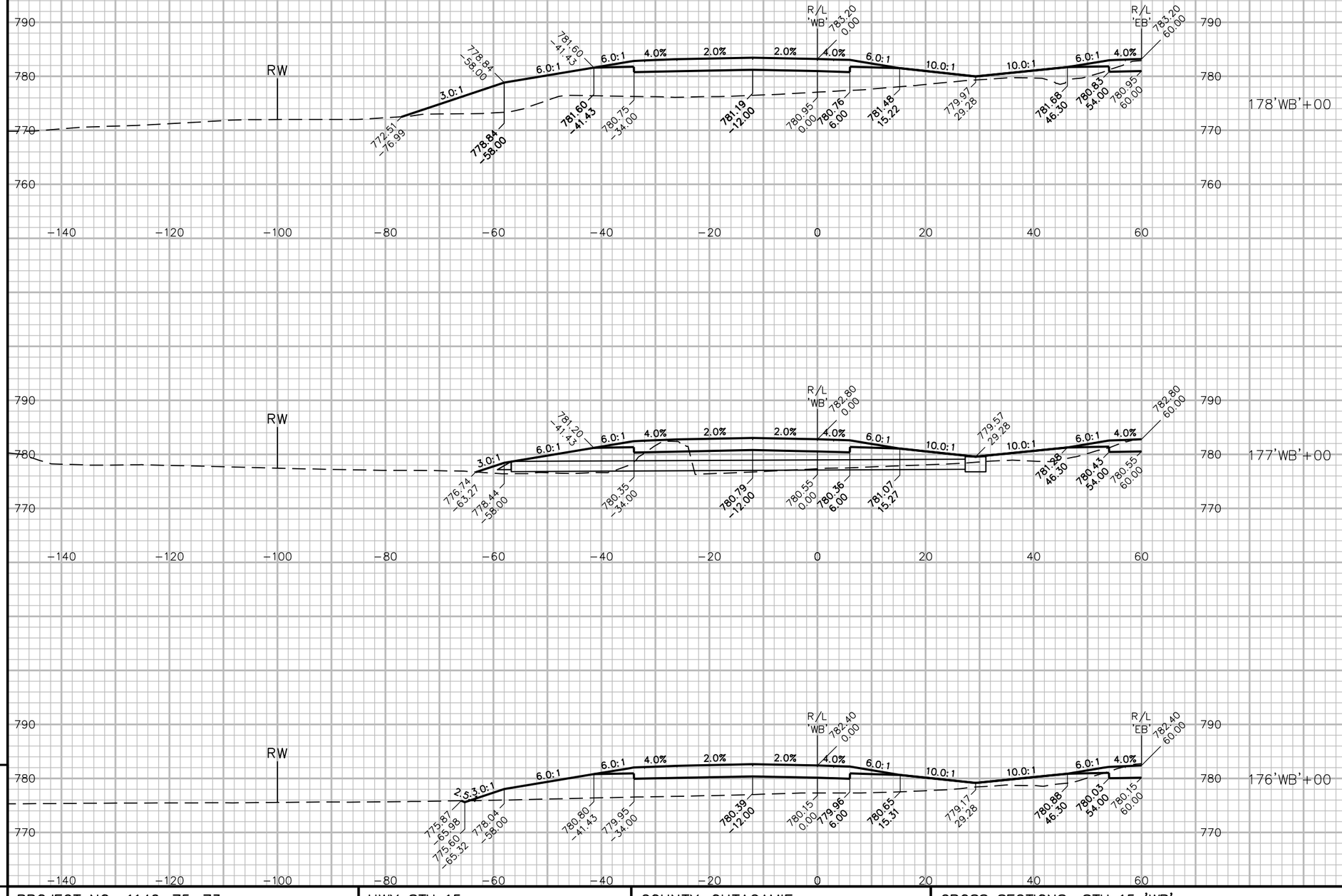
9

PROJECT NO: 1146−75−73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 609	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME − 090315_xs(02)

PLOT DATE : 3/31/2023 3:27 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1: IN: 20 FT HORZ. / 1 IN: 20 FT VERT.

WISDOT/CADDS SHEET 49



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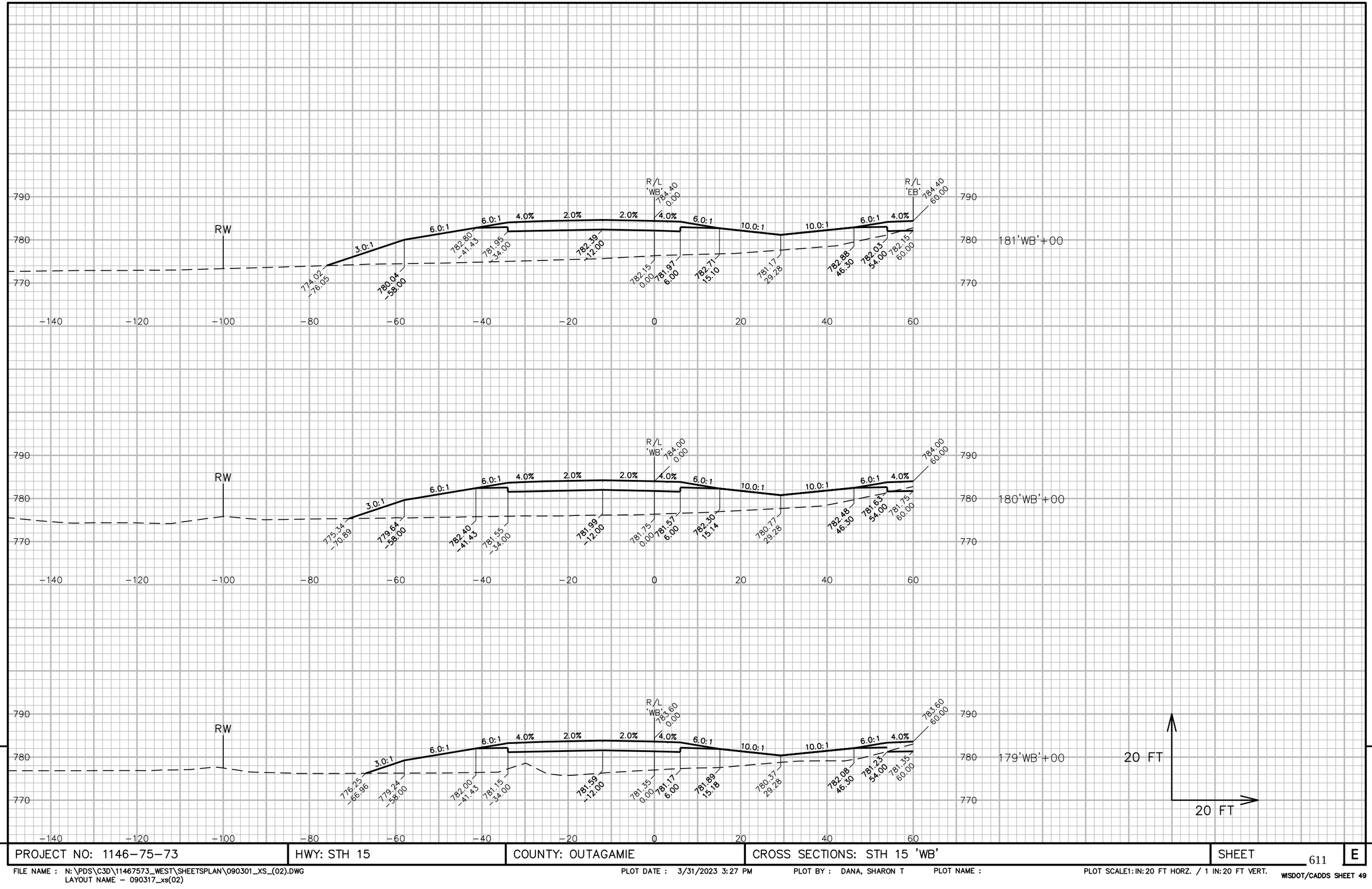
9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 610	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090316_xs(02)

PLOT DATE : 3/31/2023 3:27 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1: IN: 20 FT HORZ. / 1 IN: 20 FT VERT.

WISDOT/CADDS SHEET 49



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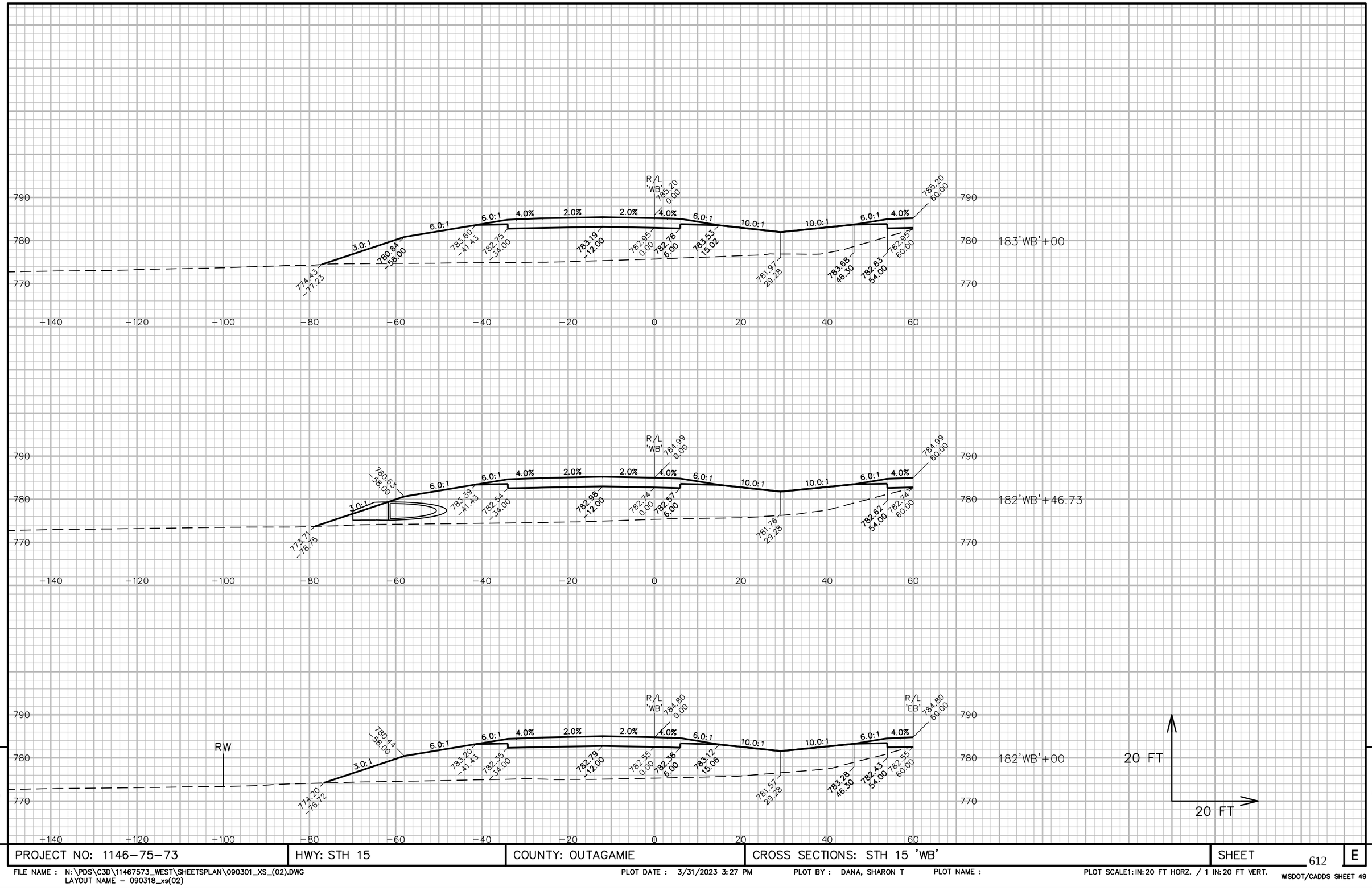
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 611	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090317_xs(02)

PLOT DATE : 3/31/2023 3:27 PM PLOT BY : DANA, SHARON T PLOT NAME :

PLOT SCALE1:IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

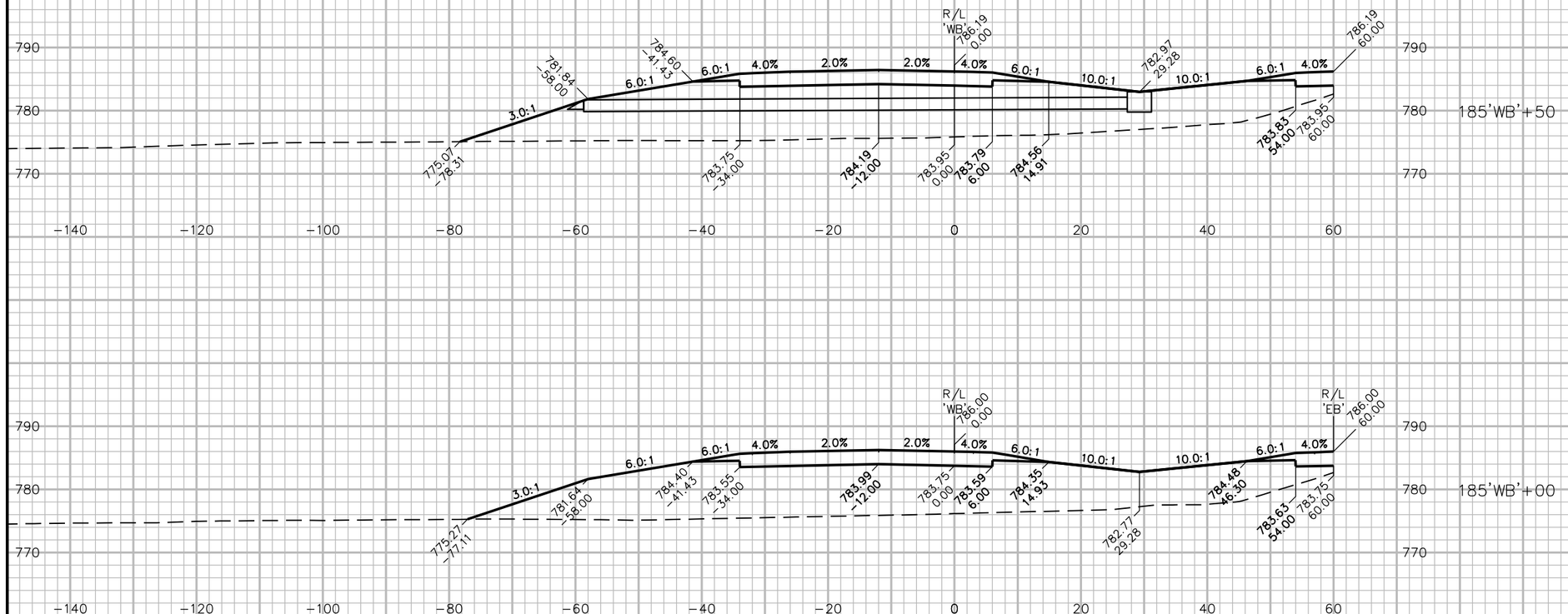


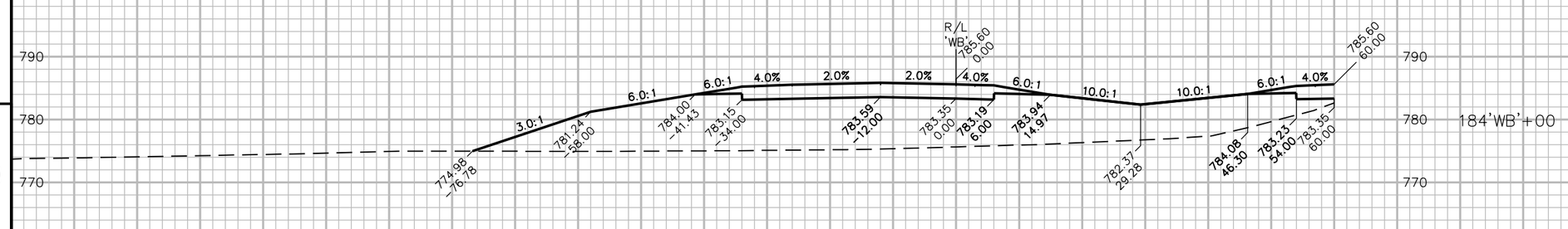
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 612 E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090318_xs(02)

PLOT DATE : 3/31/2023 3:27 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1:IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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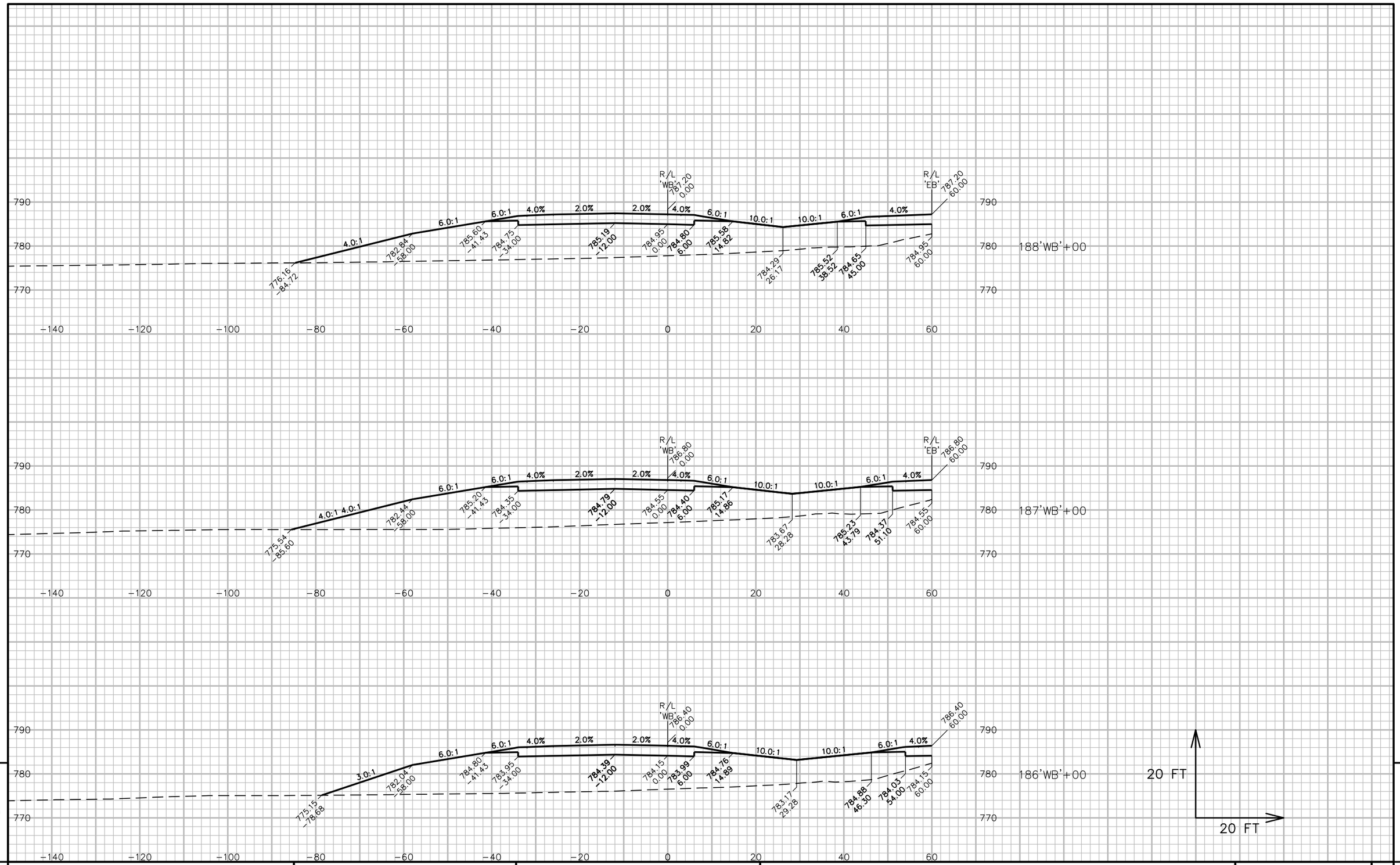
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 613	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090319_xs(02)

PLOT DATE : 3/31/2023 3:28 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1:IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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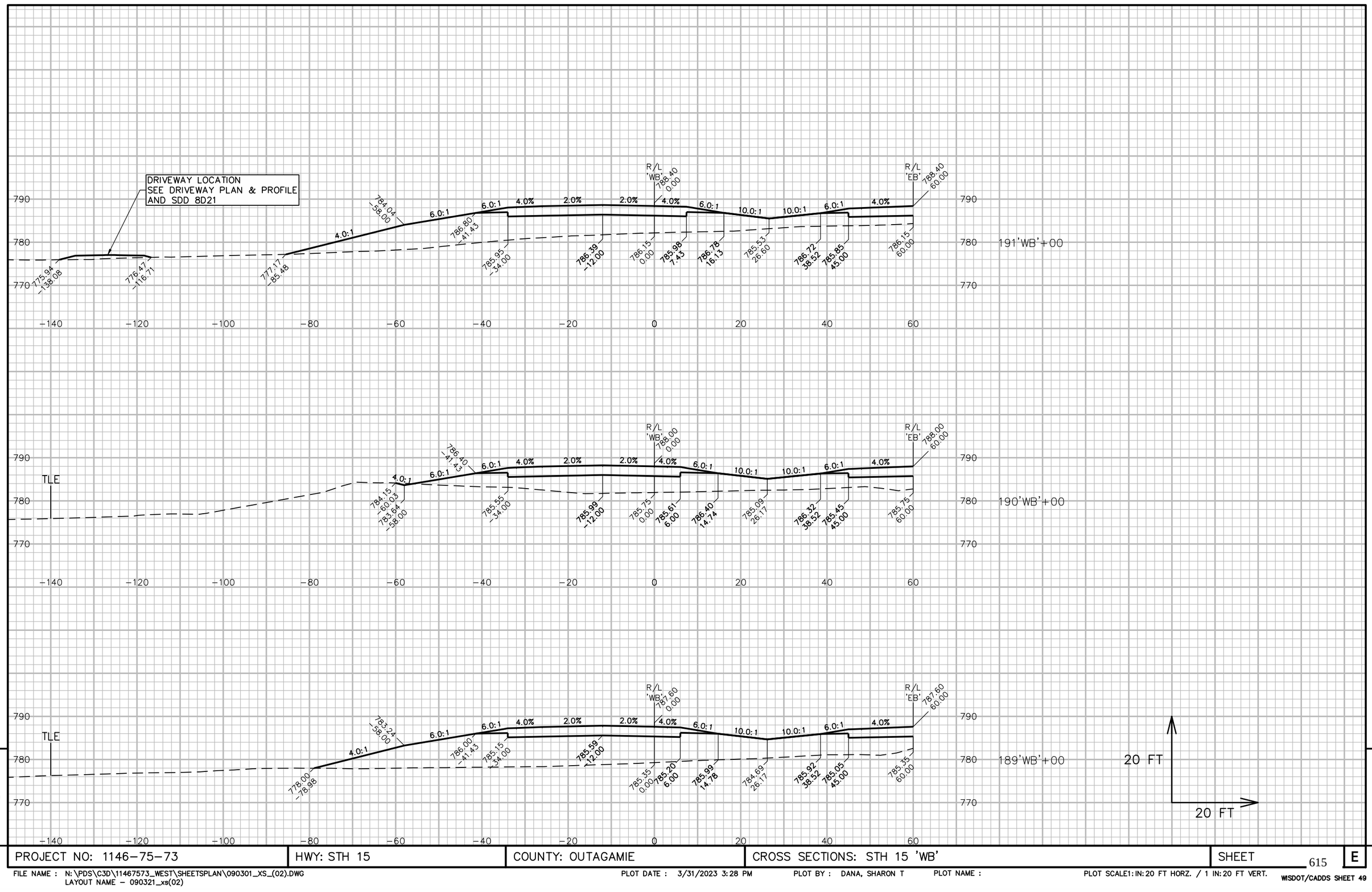
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 614	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090320_xs(02)

PLOT DATE : 3/31/2023 3:28 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1:IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

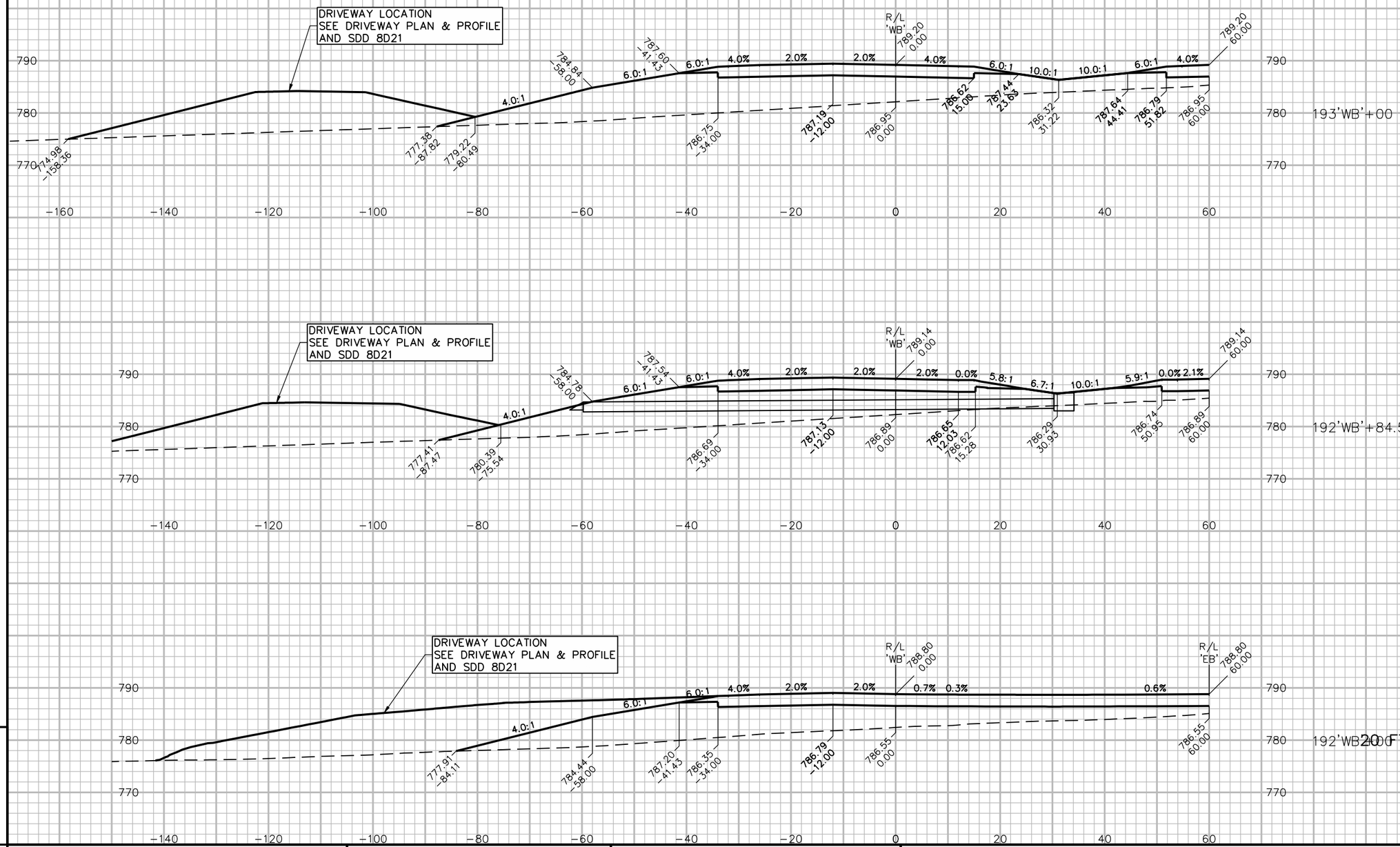


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 615	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090321_xs(02)

PLOT DATE : 3/31/2023 3:28 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE1: IN: 20 FT HORZ. / 1 IN: 20 FT VERT.

WISDOT/CADDS SHEET 49



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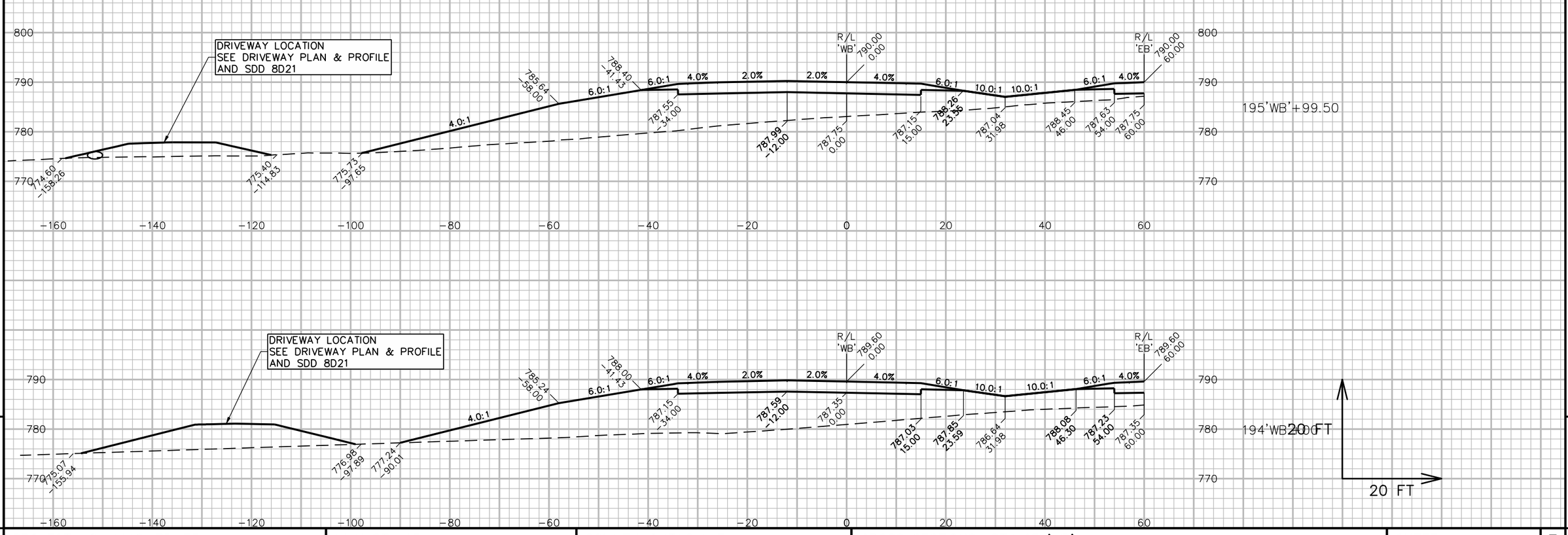
9

PROJECT NO: 1146−75−73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME − 090322_xs(02)

PLOT DATE : 3/31/2023 3:28 PM PLOT BY : DANA, SHARON T PLOT NAME :

PLOT SCALE1: IN: 20 FT HORZ. / 1 IN: 20 FT VERT.



9

9

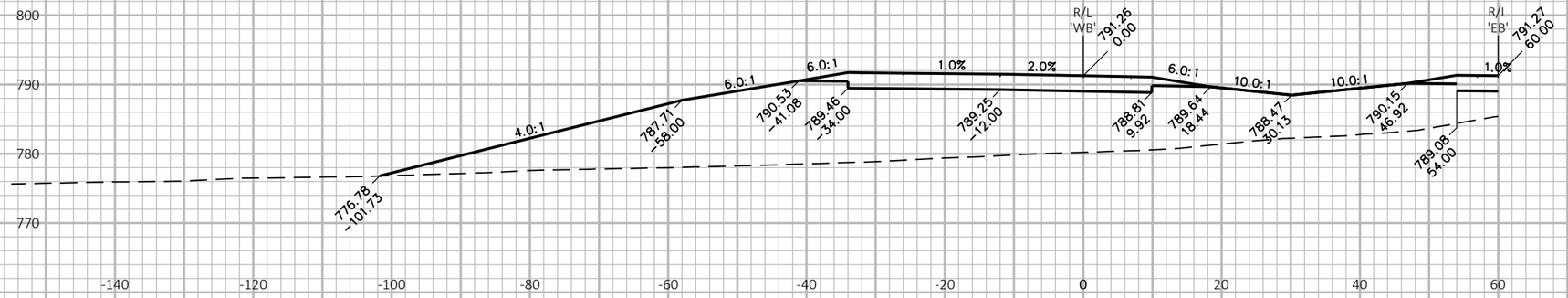
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 617	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(02).DWG
LAYOUT NAME - 090323_xs(02)

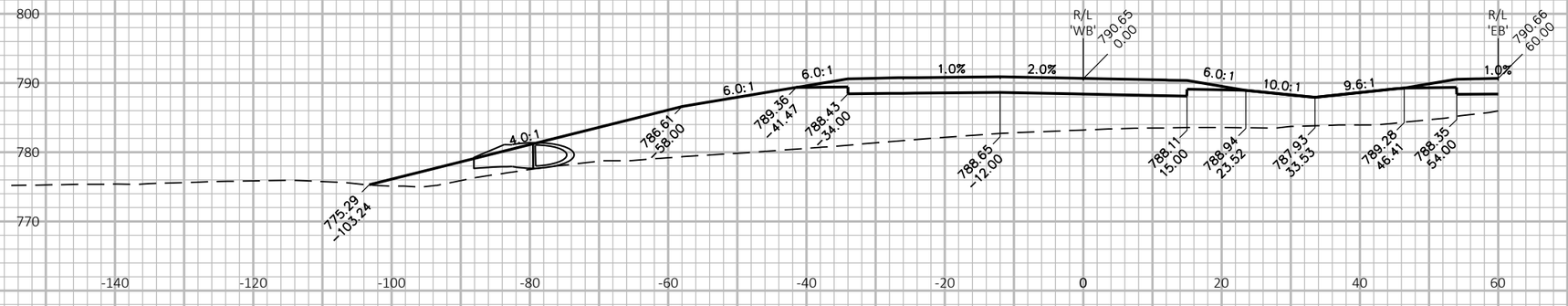
PLOT DATE : 3/31/2023 3:28 PM PLOT BY : DANA, SHARON T PLOT NAME :

PLOT SCALE1: IN: 20 FT HORZ. / 1 IN: 20 FT VERT.

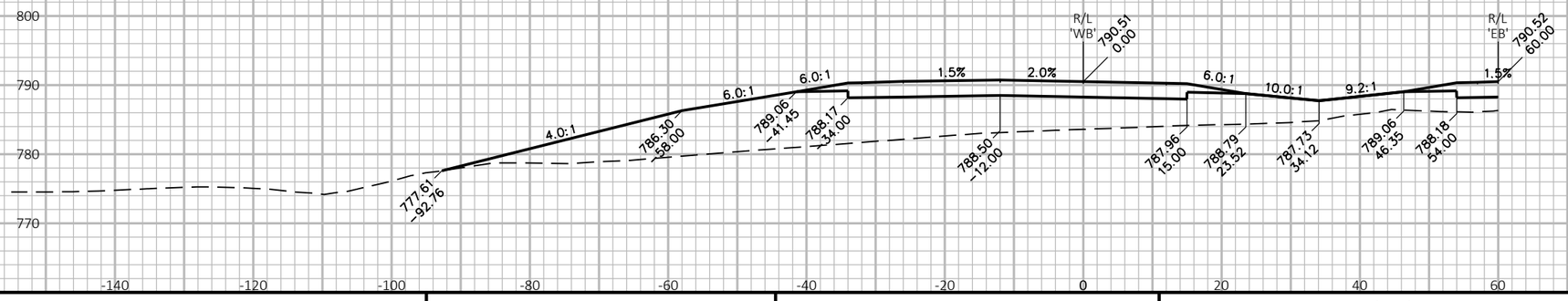
WISDOT/CADDS SHEET 49



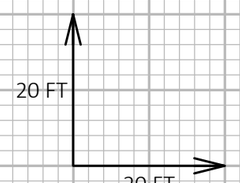
197'WB'+00



196'WB'+21.90



196'WB'+00



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9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 618	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090301_xs(03)

PLOT DATE : 3/31/2023 3:37 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

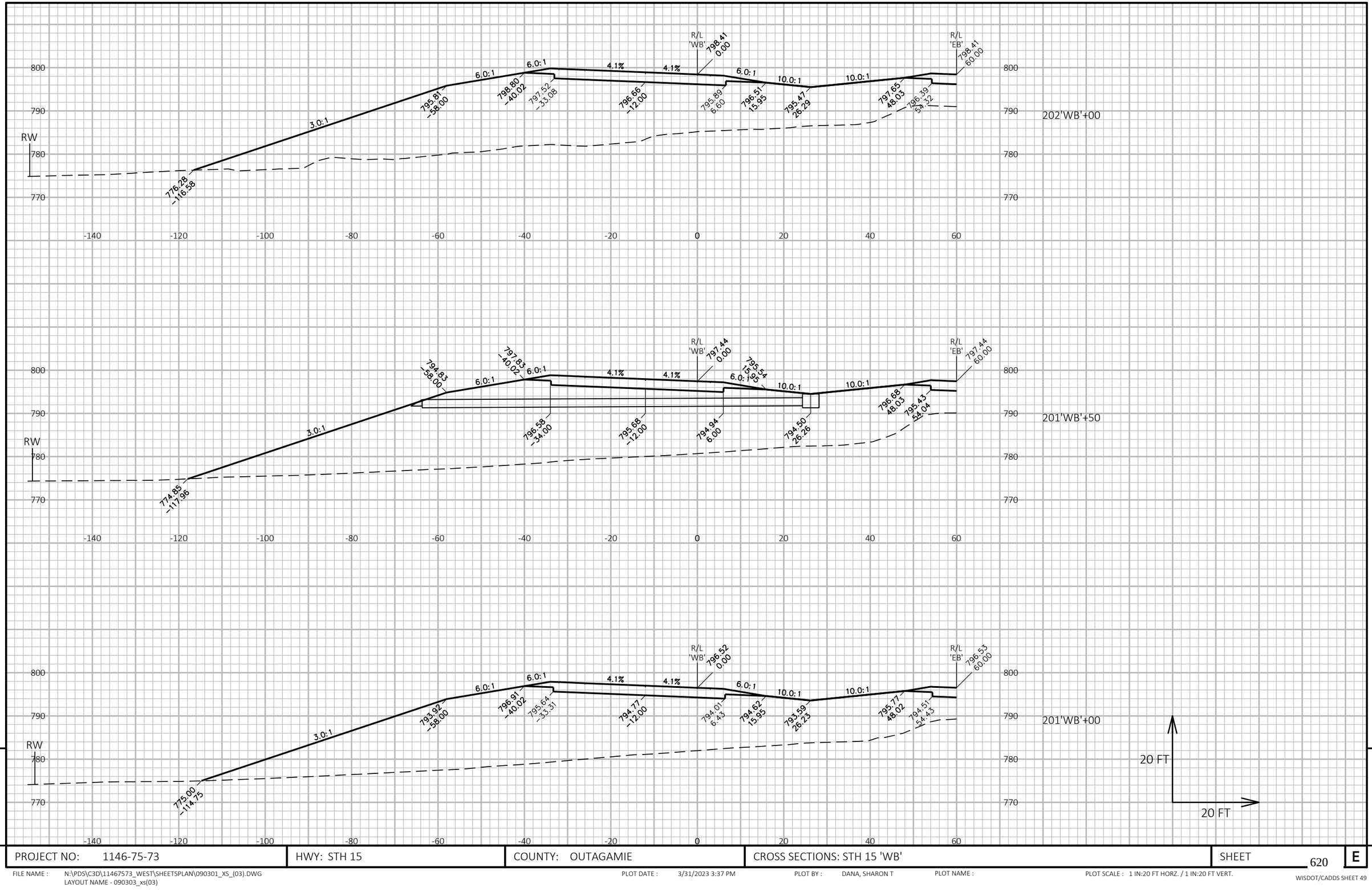
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 619	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090302_xs(03)
PLOT DATE : 3/31/2023 3:37 PM
PLOT BY : DANA, SHARON T
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

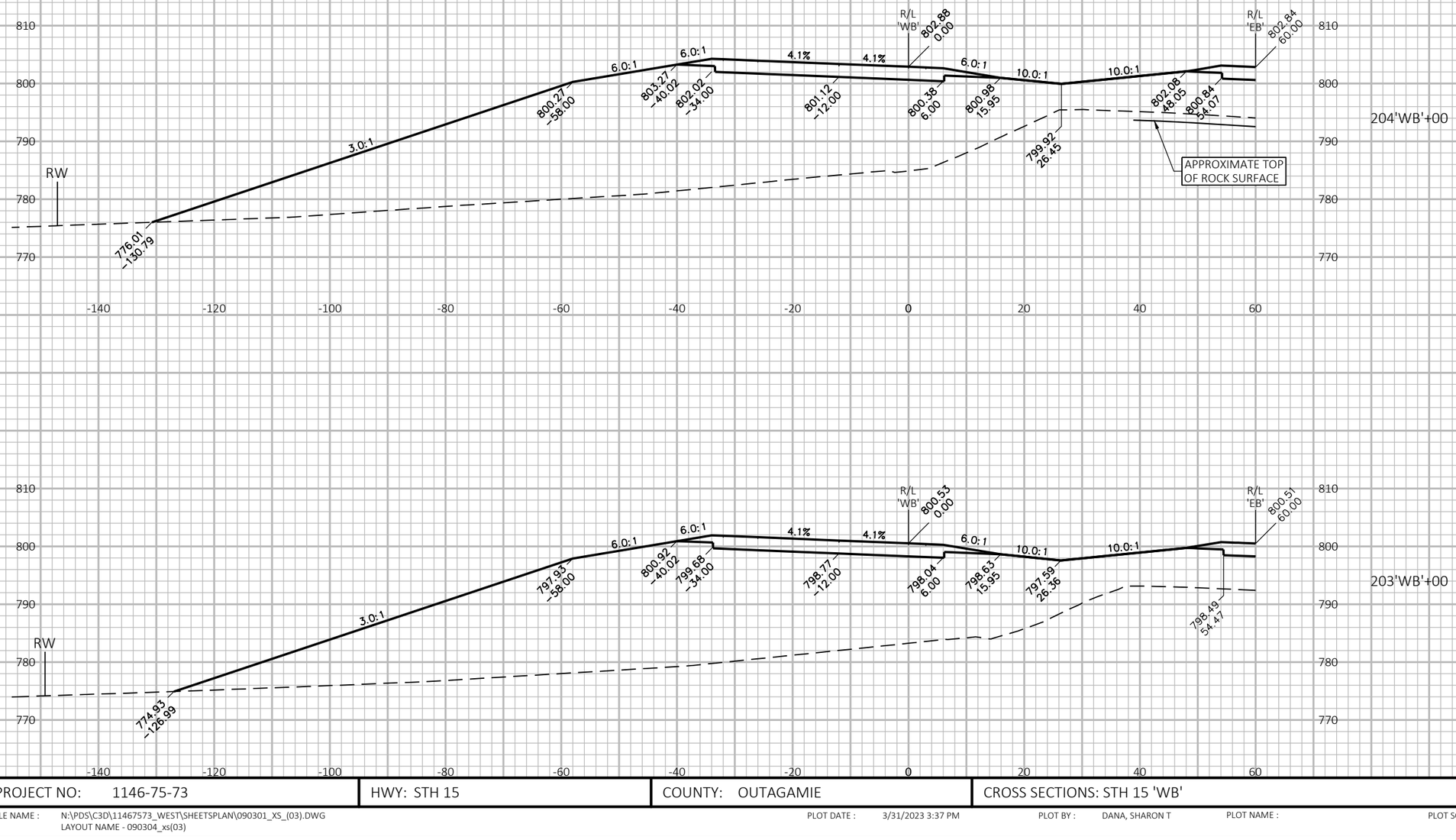


9

9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 620	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090303_xs(03)
PLOT DATE : 3/31/2023 3:37 PM
PLOT BY : DANA, SHARON T
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 621	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090304_xs(03)

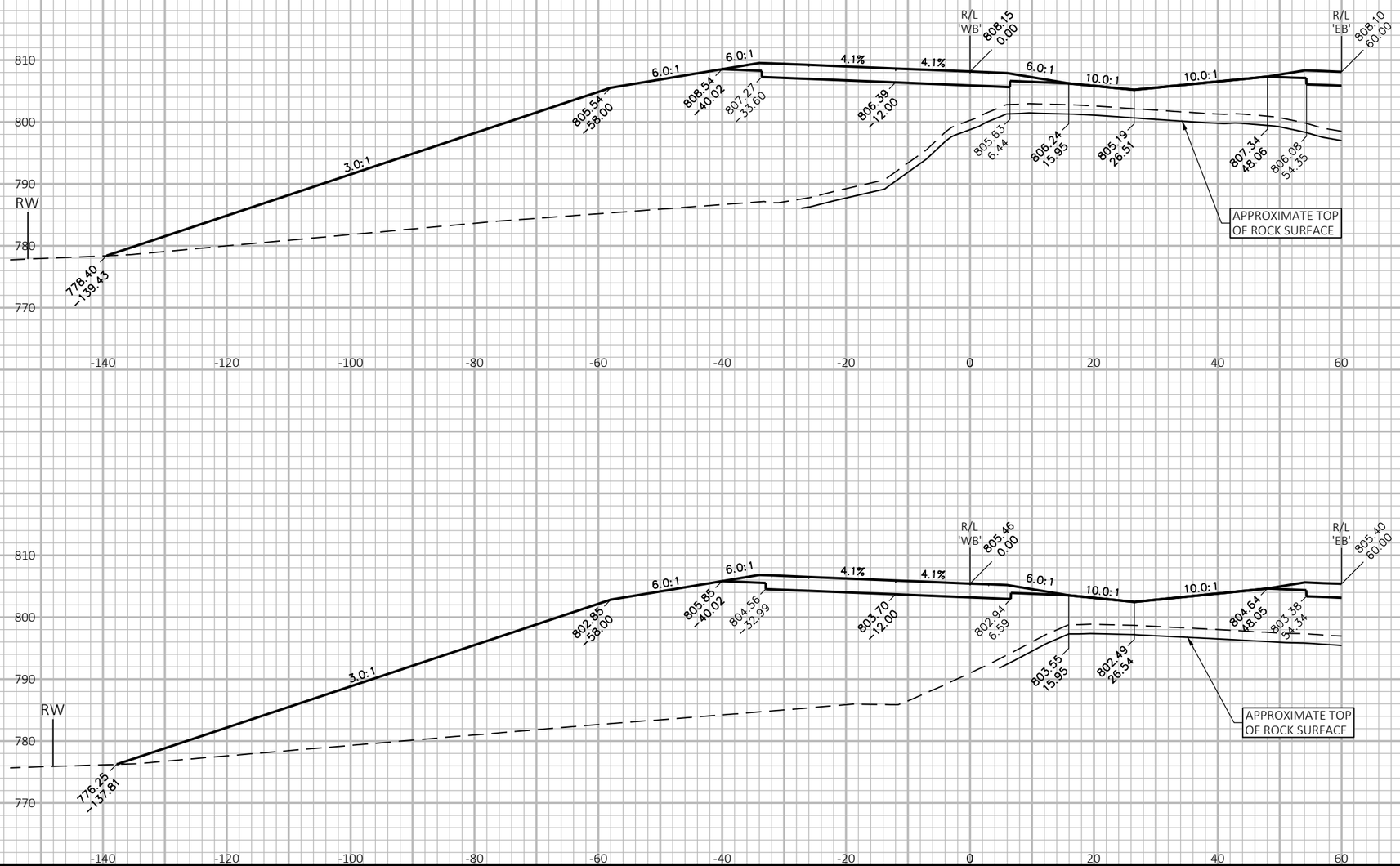
PLOT DATE : 3/31/2023 3:37 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

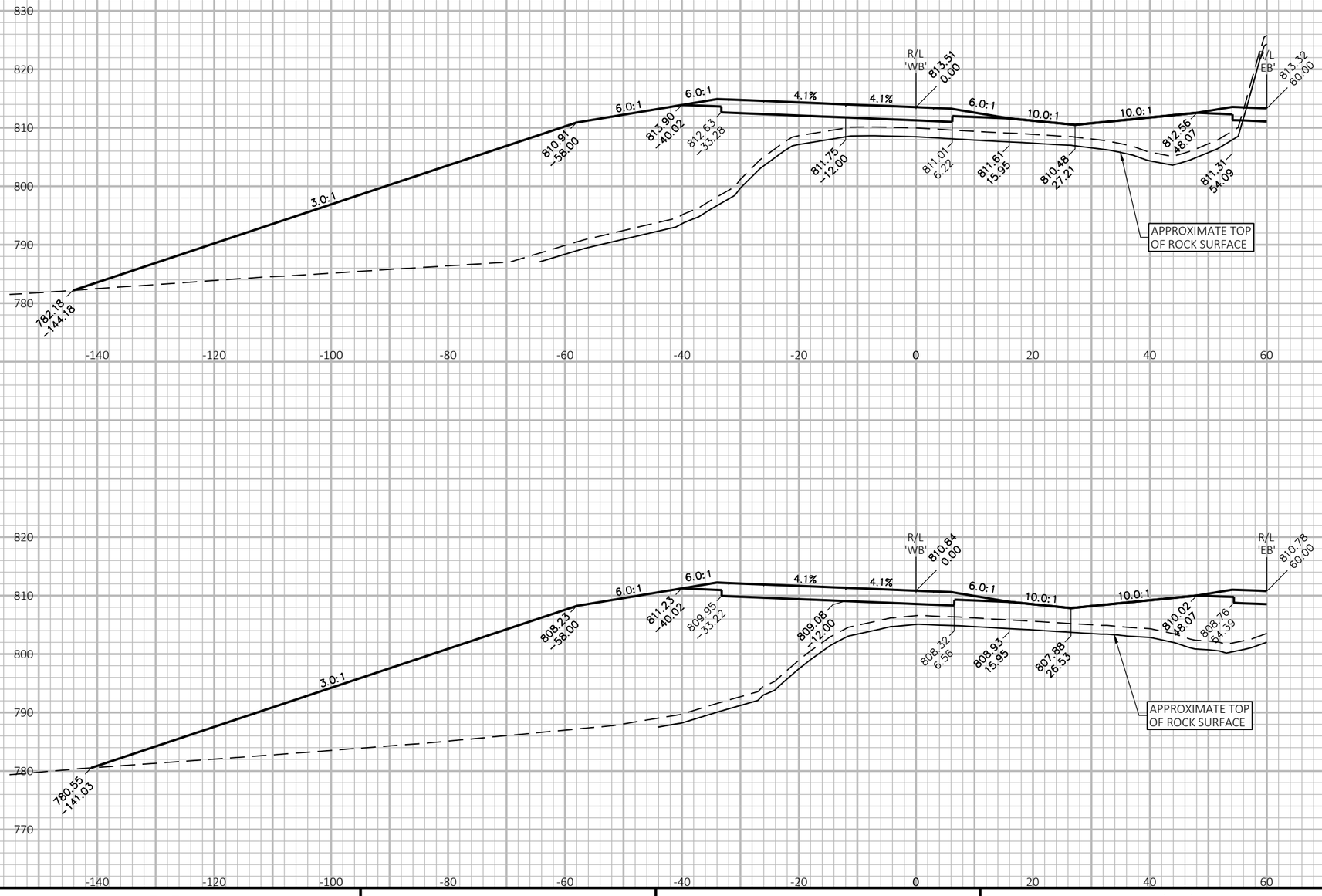
9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 622	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090305_xs(03)

PLOT DATE : 3/31/2023 3:38 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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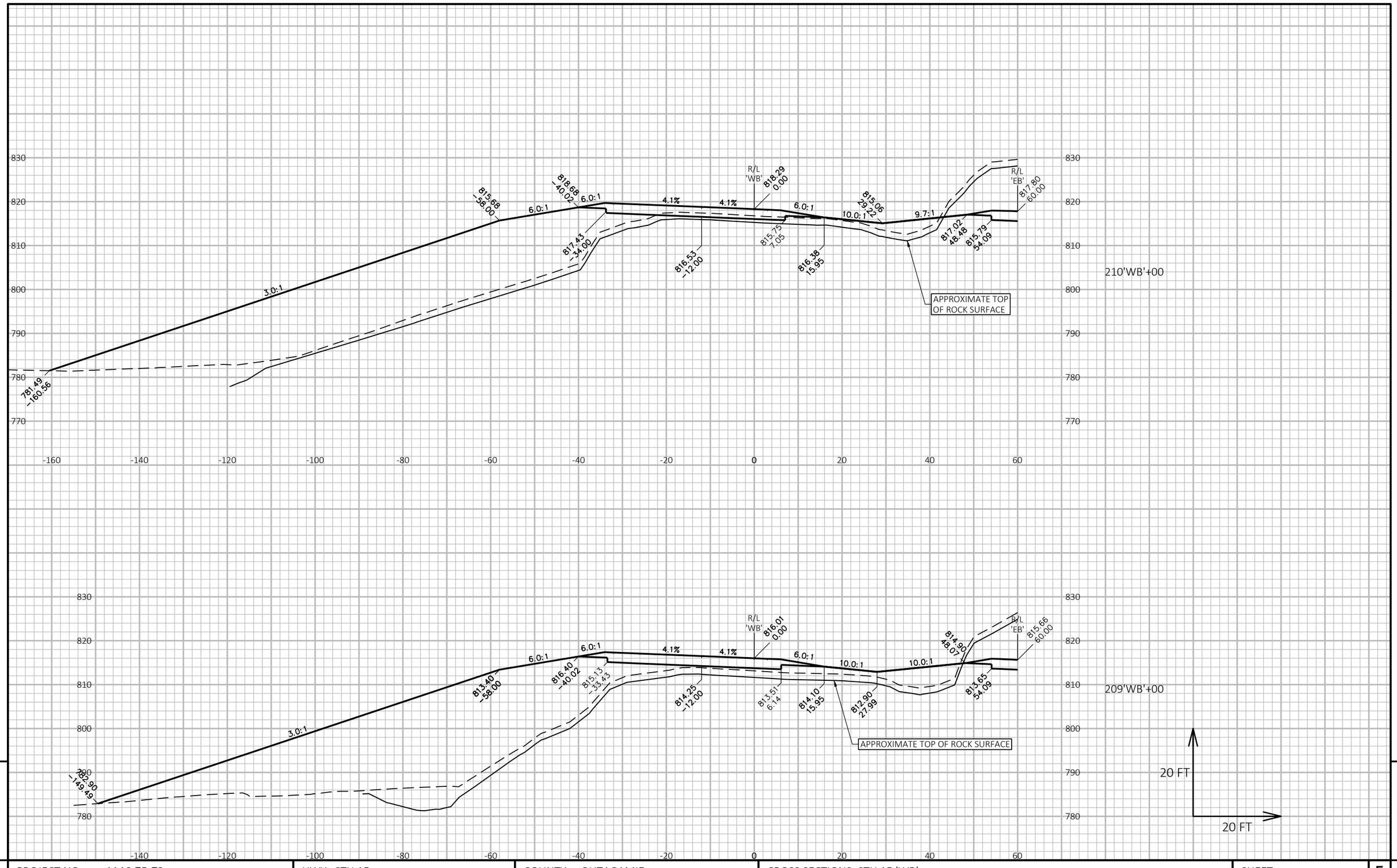
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 623	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090306_xs(03)

PLOT DATE : 3/31/2023 3:38 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

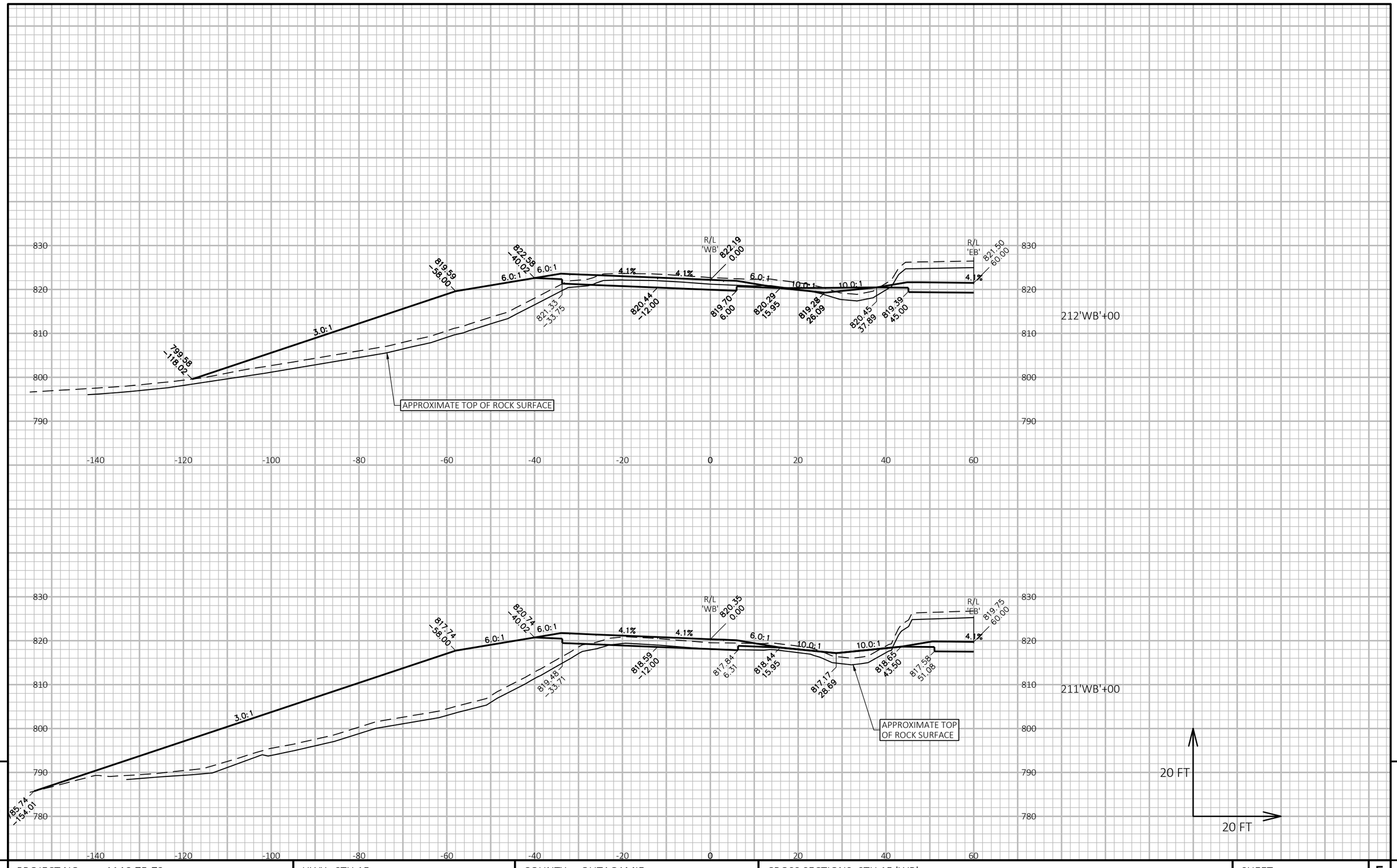


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 624	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090307_xs(03)

PLOT DATE : 3/31/2023 3:38 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



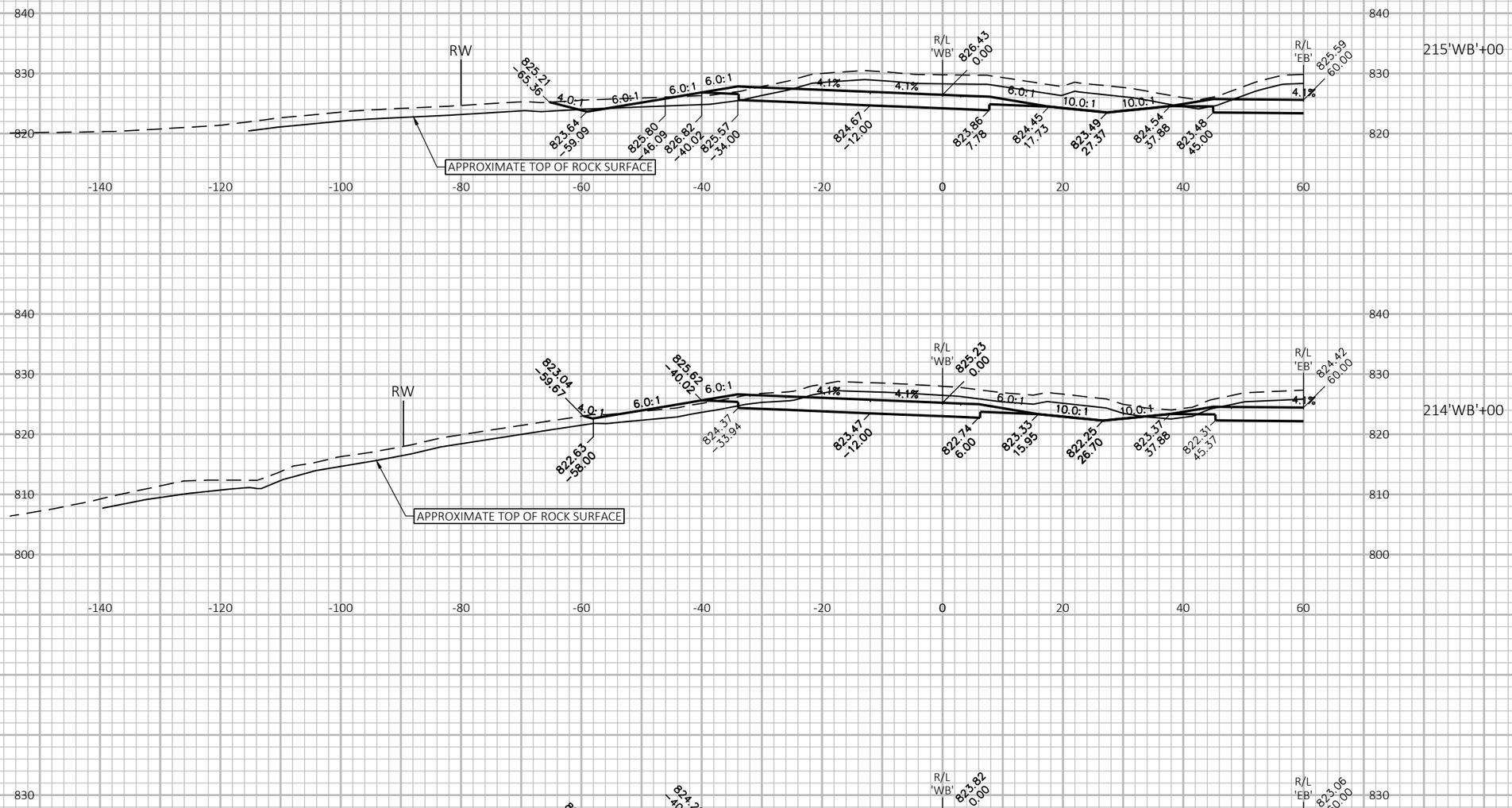
9 9

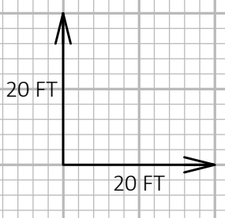
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 625	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090308_xs(03)

PLOT DATE : 3/31/2023 3:38 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 626	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090309_xs(03)

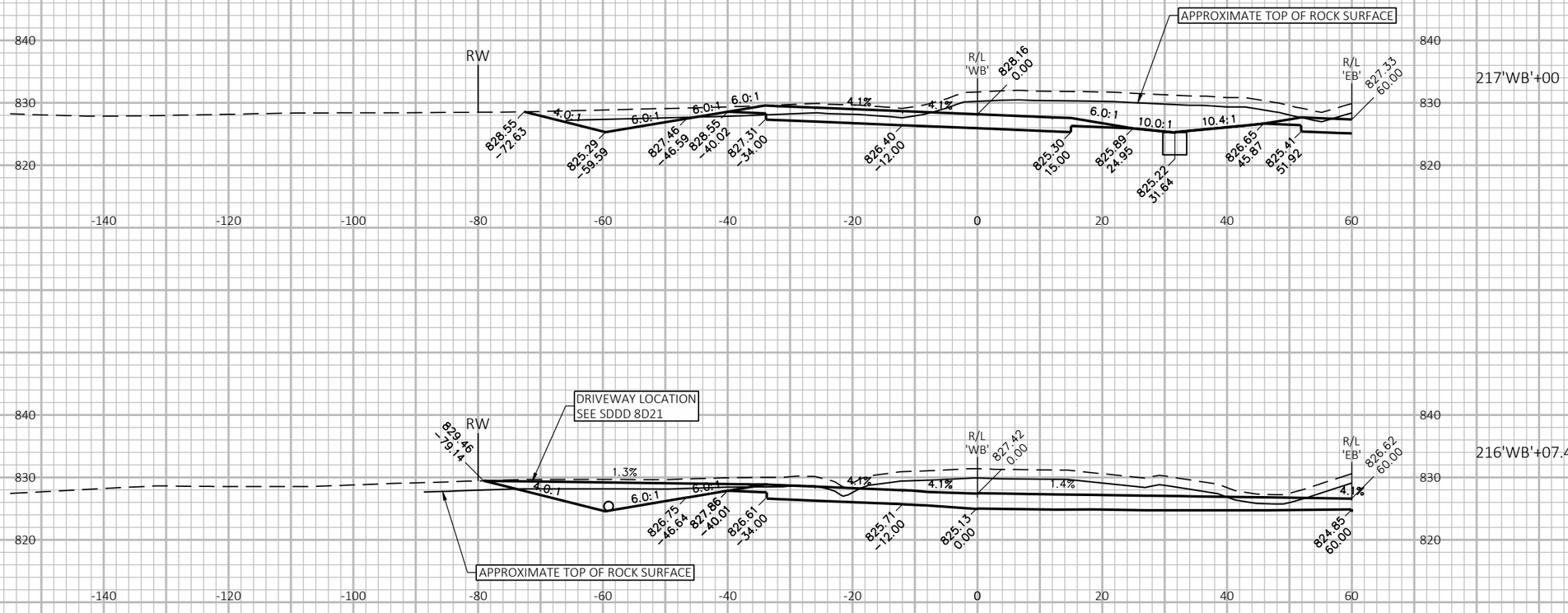
PLOT DATE : 3/31/2023 3:39 PM

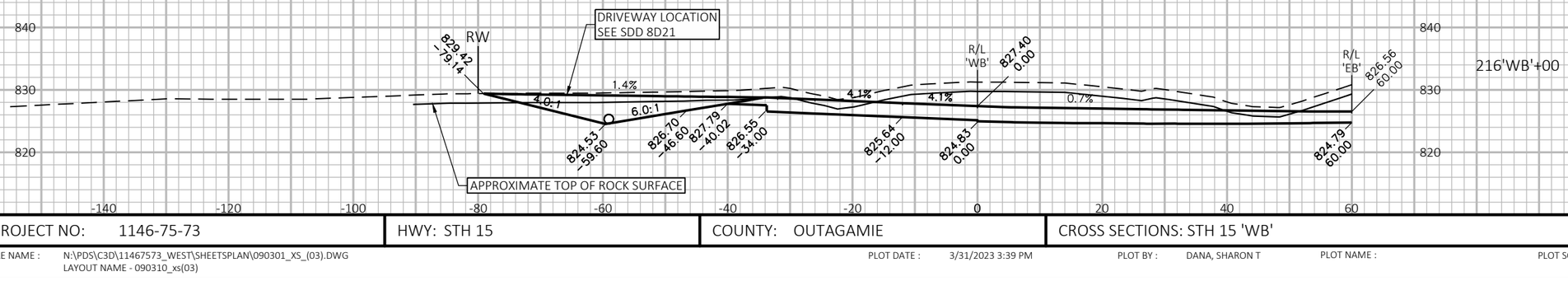
PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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9

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 627	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090310_xs(03)

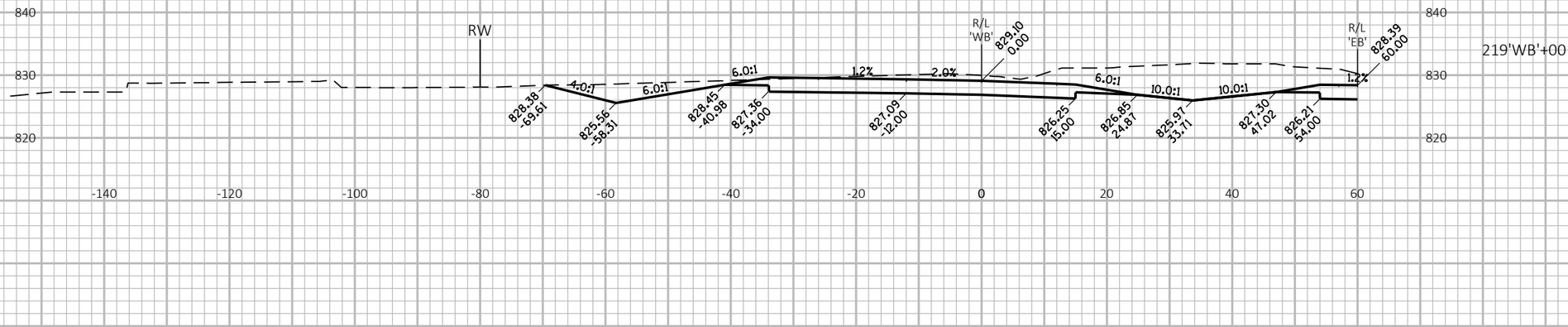
PLOT DATE : 3/31/2023 3:39 PM

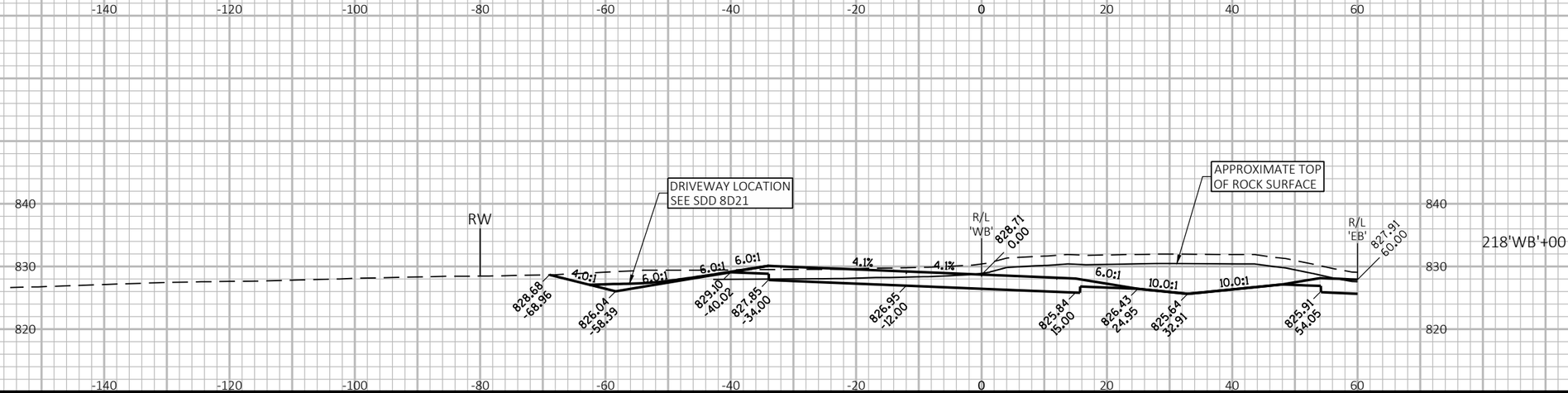
PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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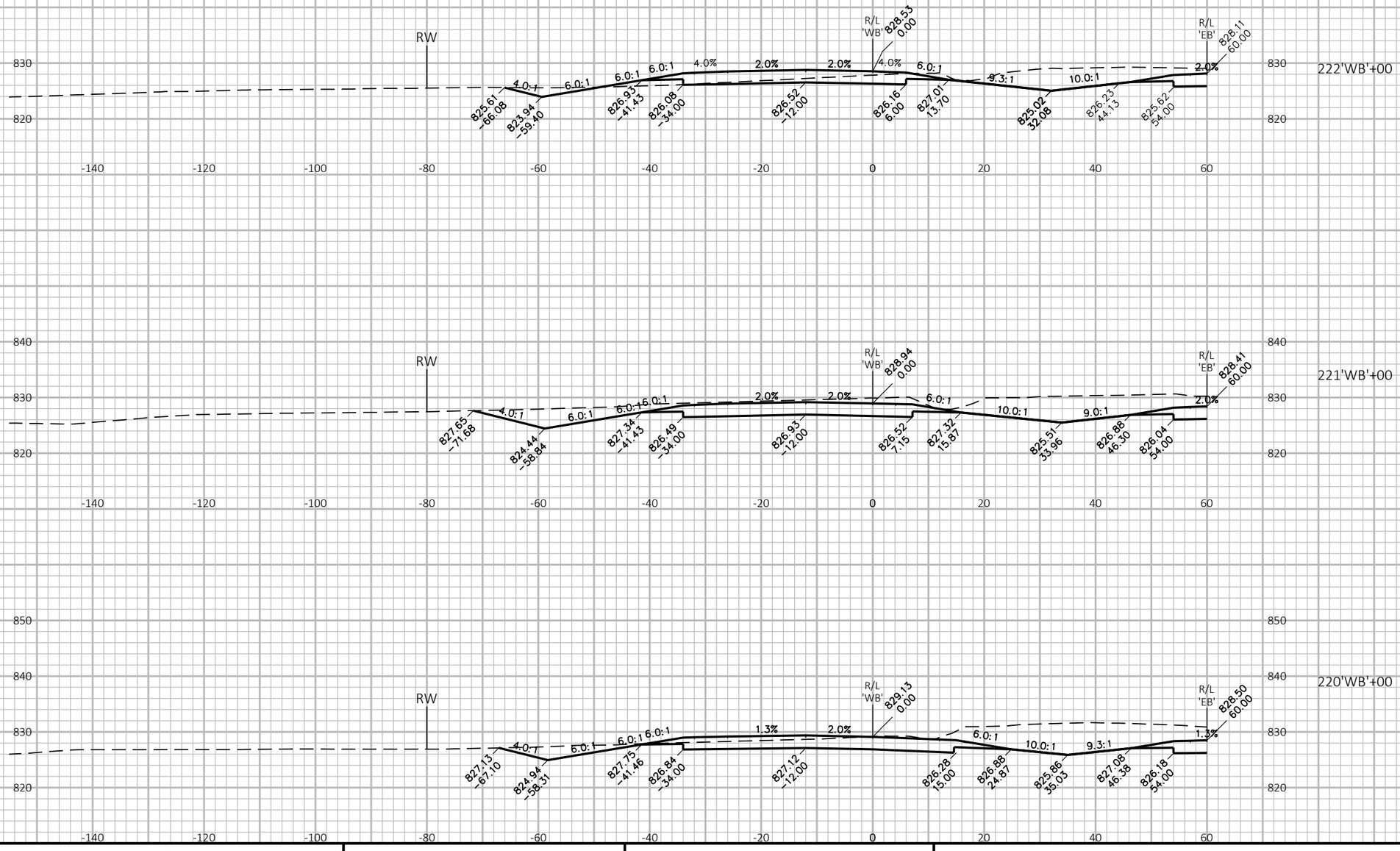
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 628	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090311_xs(03)

PLOT DATE : 4/27/2023 9:41 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

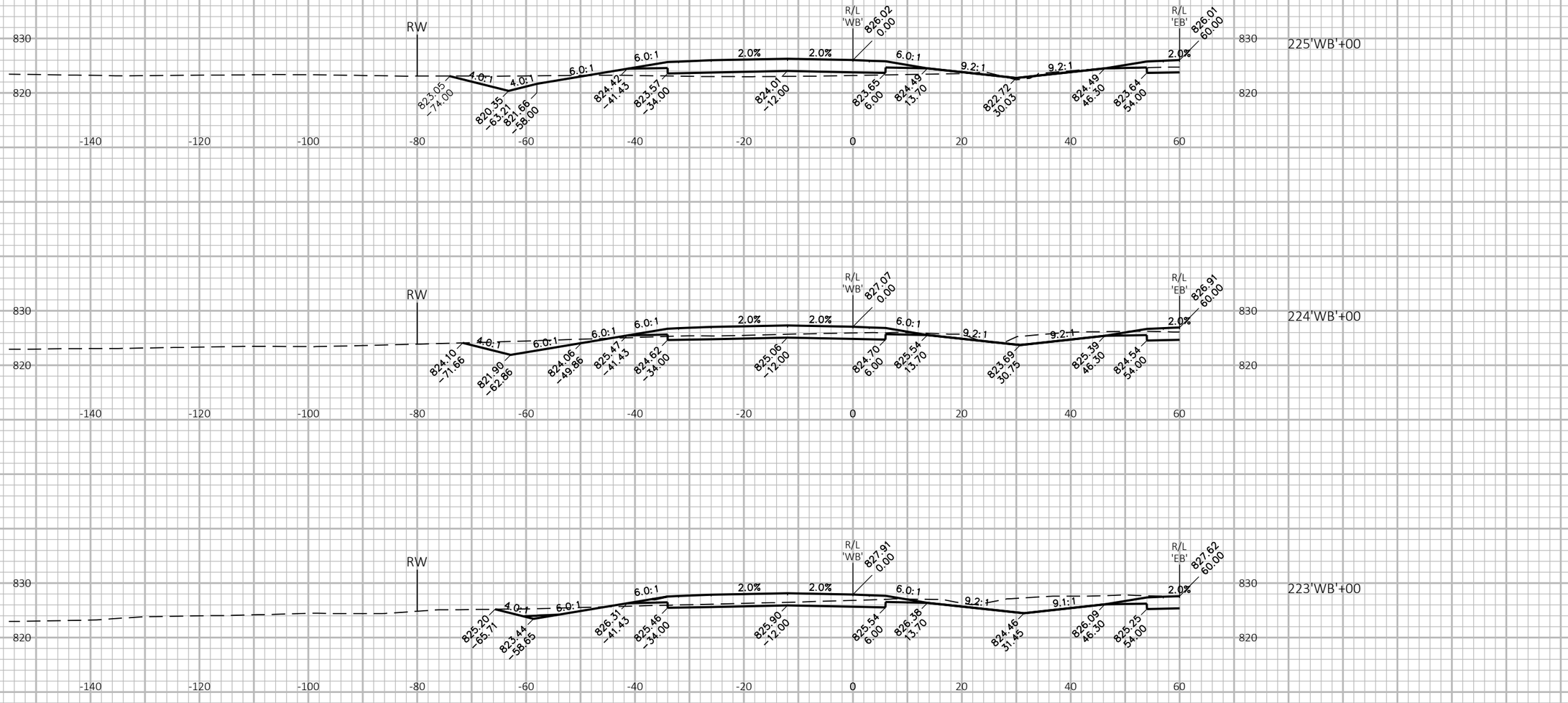


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 629	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090312_xs(03)

PLOT DATE : 3/31/2023 3:39 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

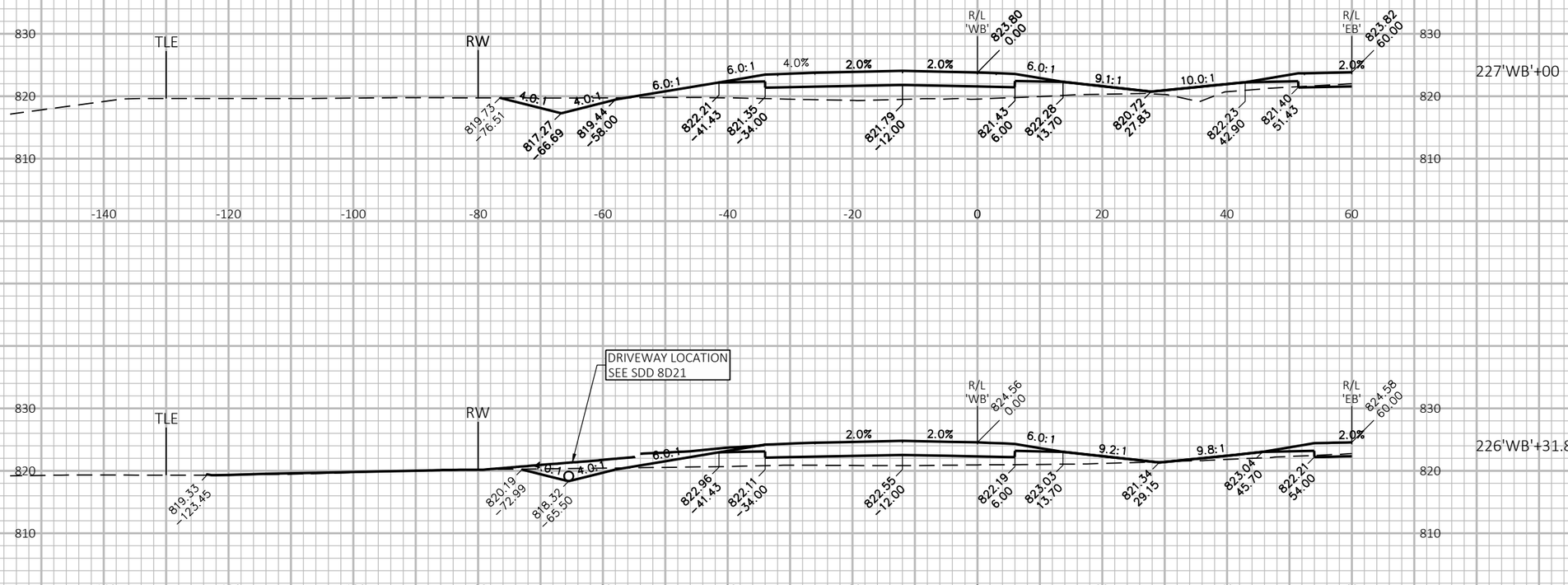


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 630	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090313_xs(03)

PLOT DATE : 3/31/2023 3:40 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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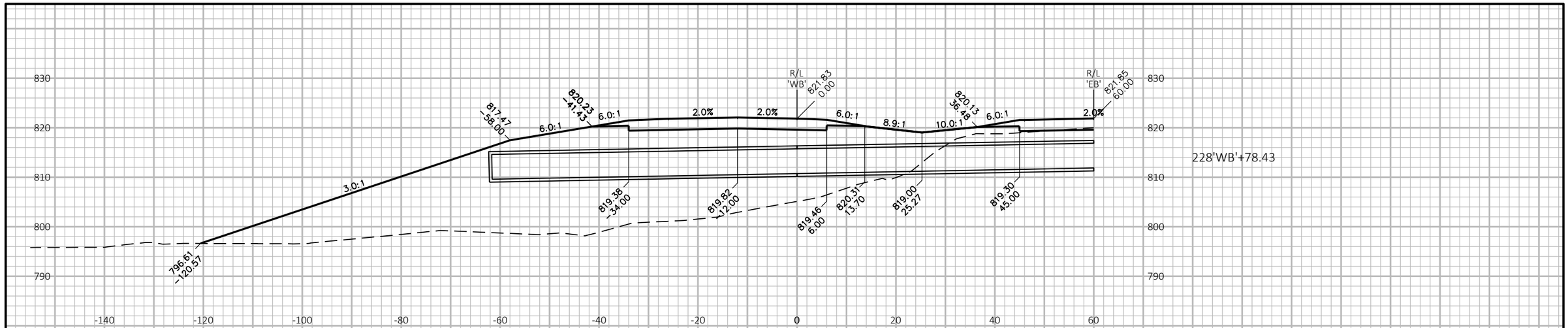
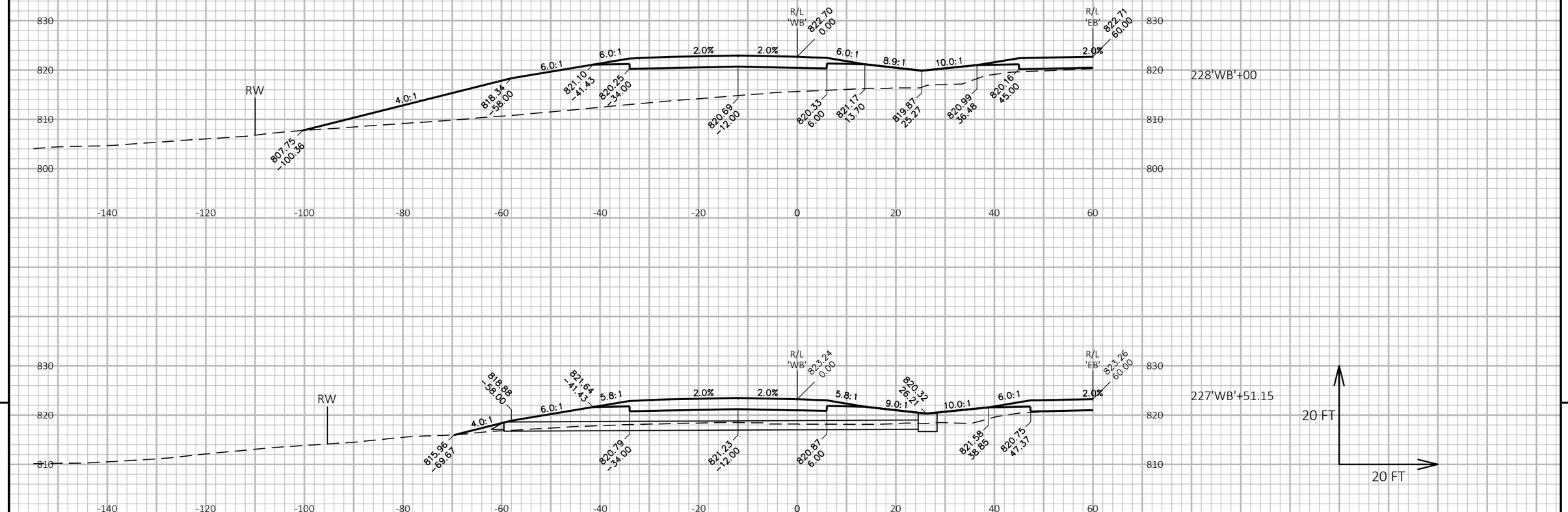
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 631	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090314_xs(03)
PLOT DATE : 3/31/2023 3:40 PM
PLOT BY : DANA, SHARON T
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49





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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 632	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090315_xs(03)

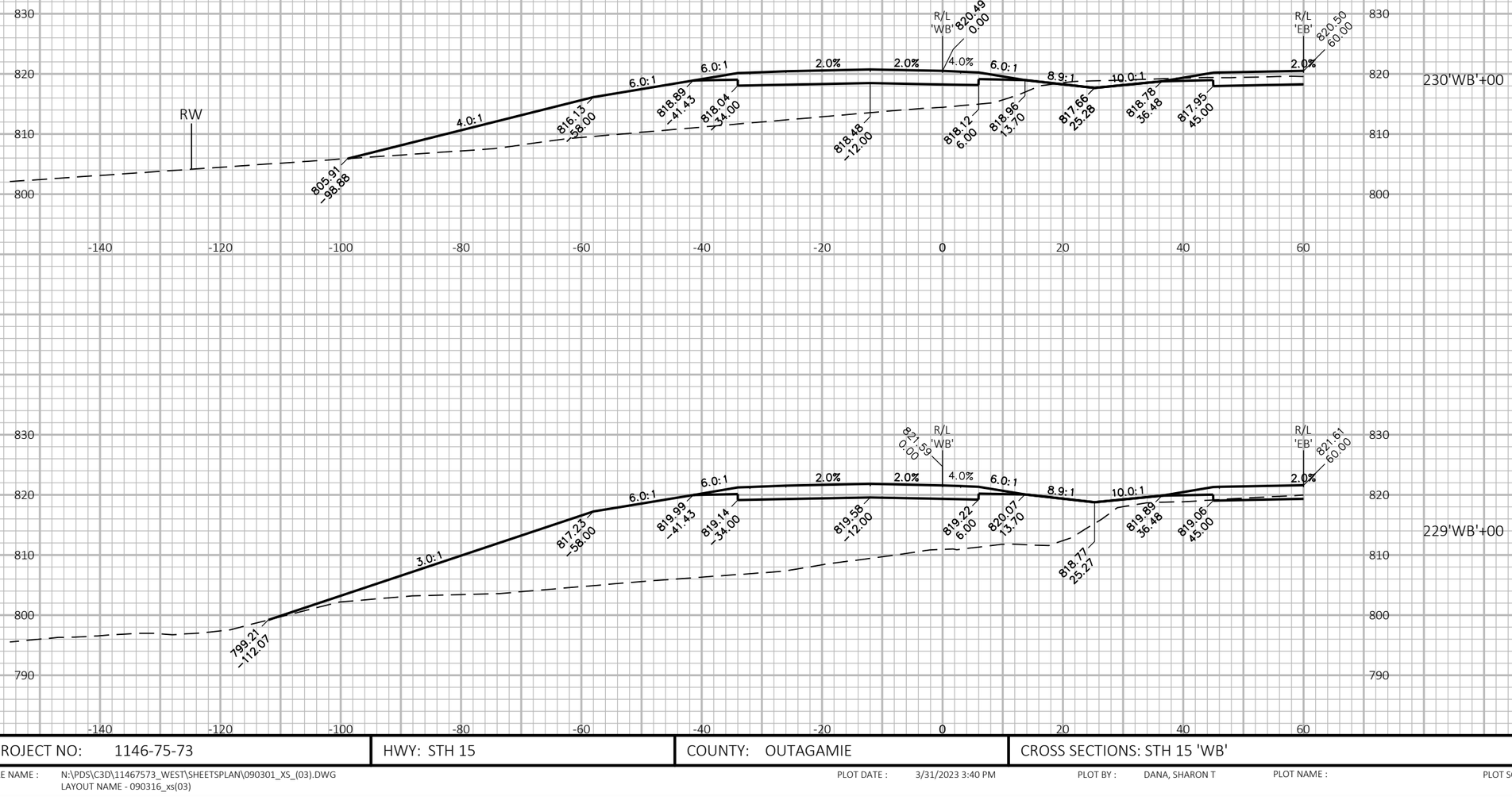
PLOT DATE : 3/31/2023 3:40 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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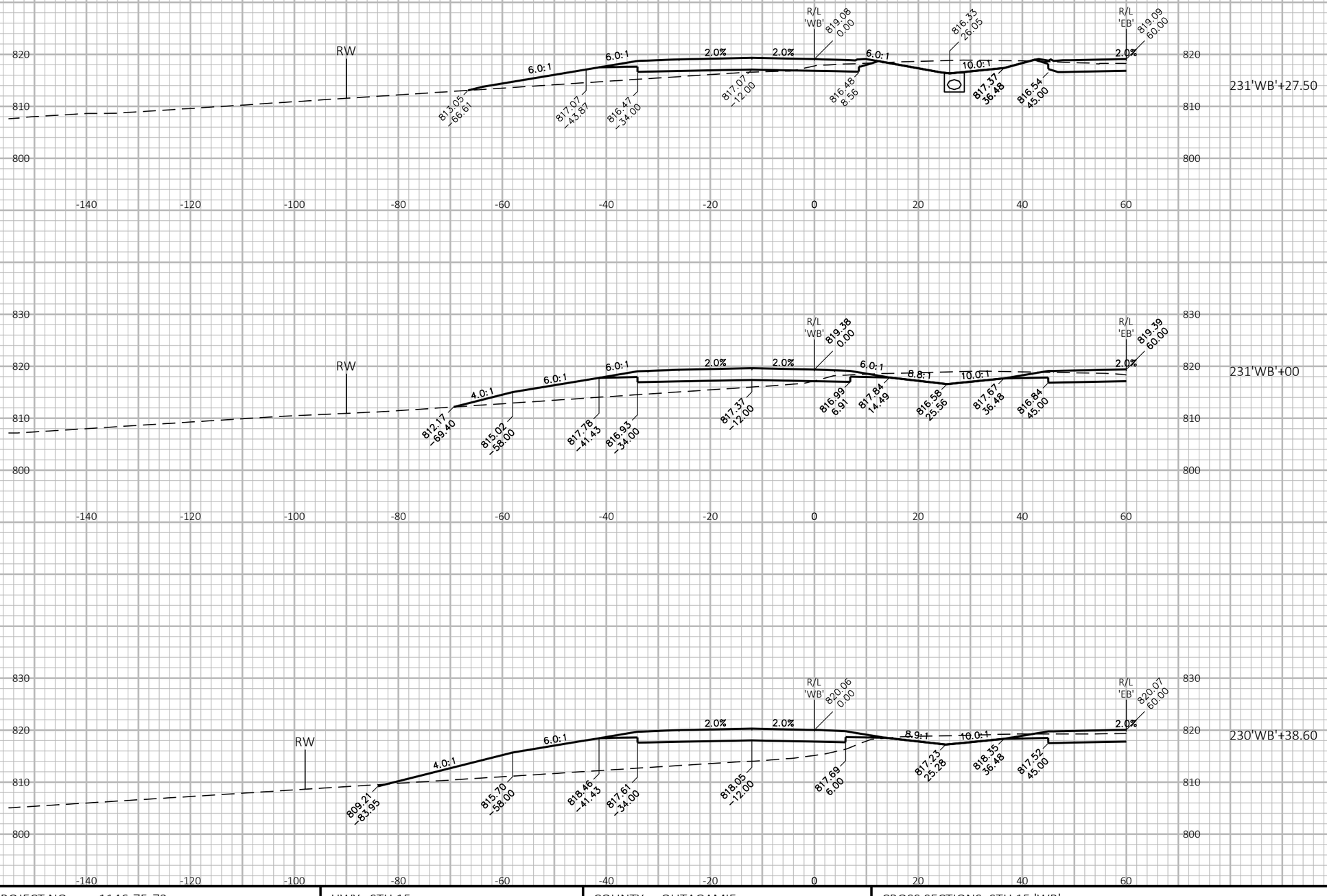
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 633	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090316_xs(03)

PLOT DATE : 3/31/2023 3:40 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

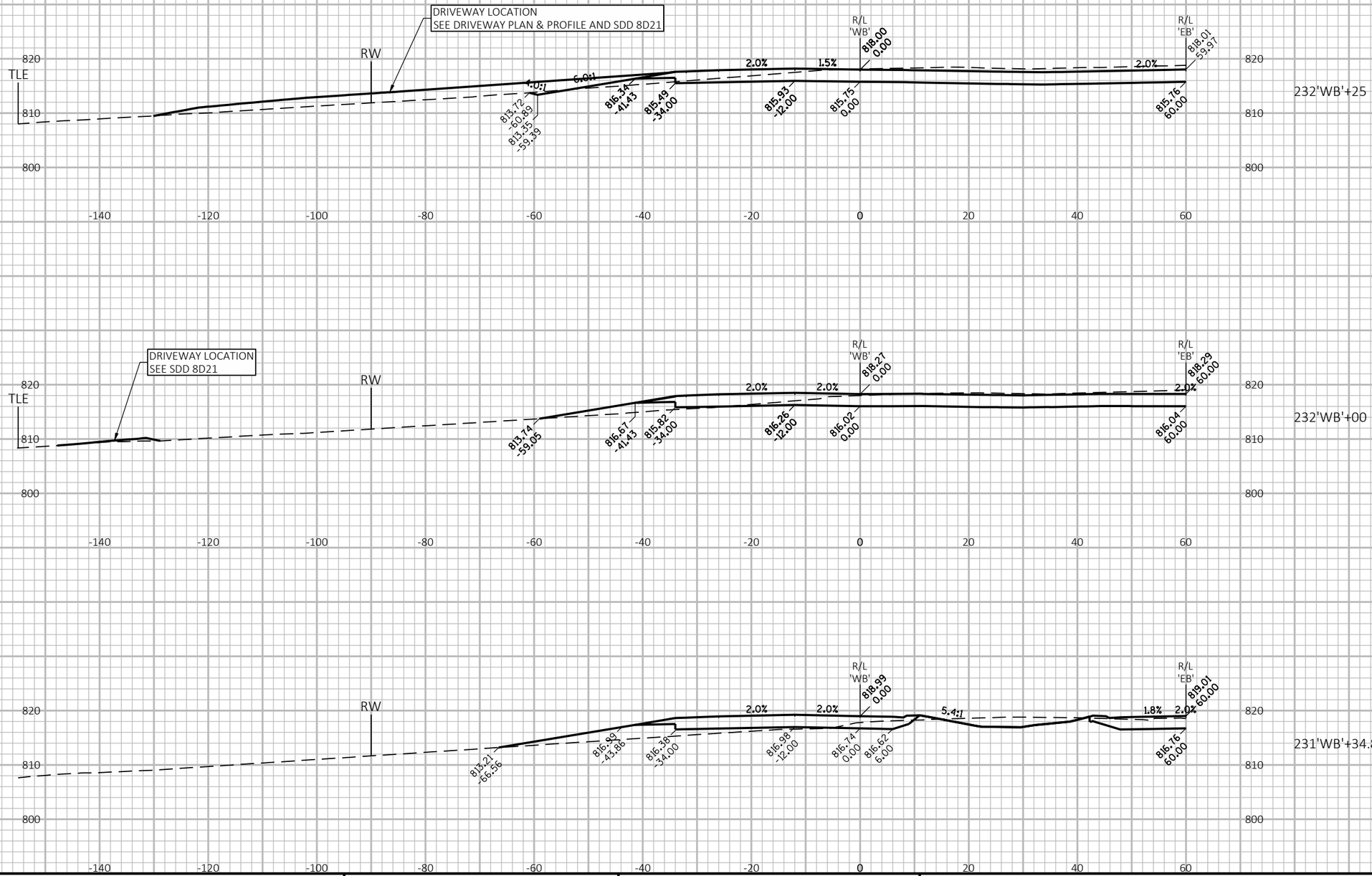


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 634	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090317_xs(03)

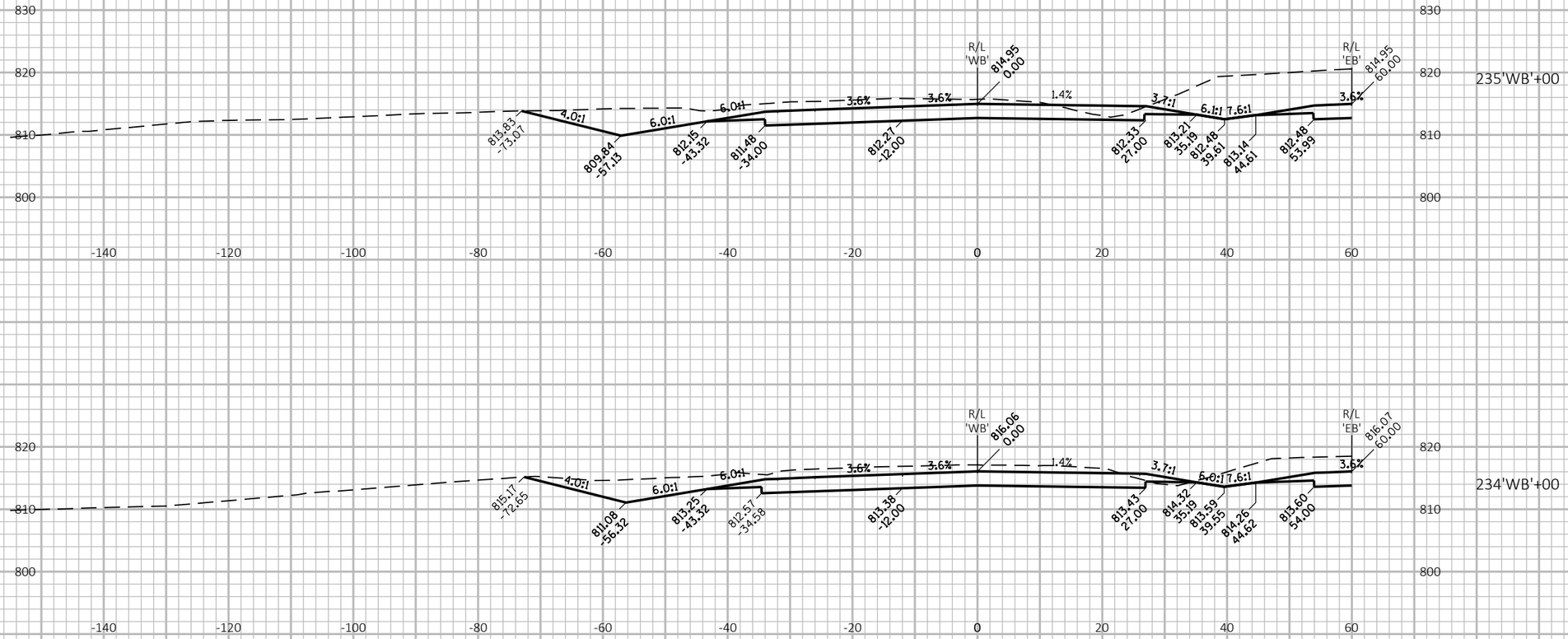
PLOT DATE : 3/31/2023 3:40 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

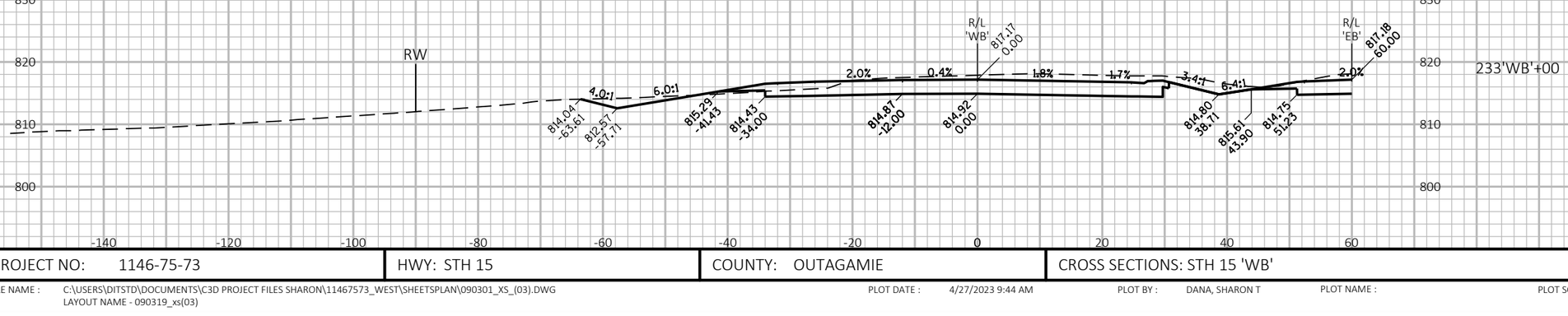
WISDOT/CADDS SHEET 49



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 635	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090318_xs(03)
PLOT DATE : 4/27/2023 9:43 AM
PLOT BY : DANA, SHARON T
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49





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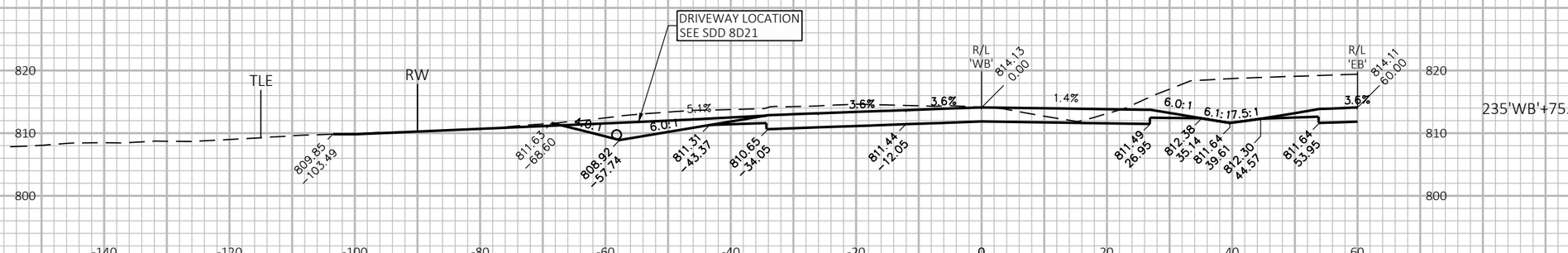
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 636	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090319_xs(03)

PLOT DATE : 4/27/2023 9:44 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 637	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090320_xs(03)

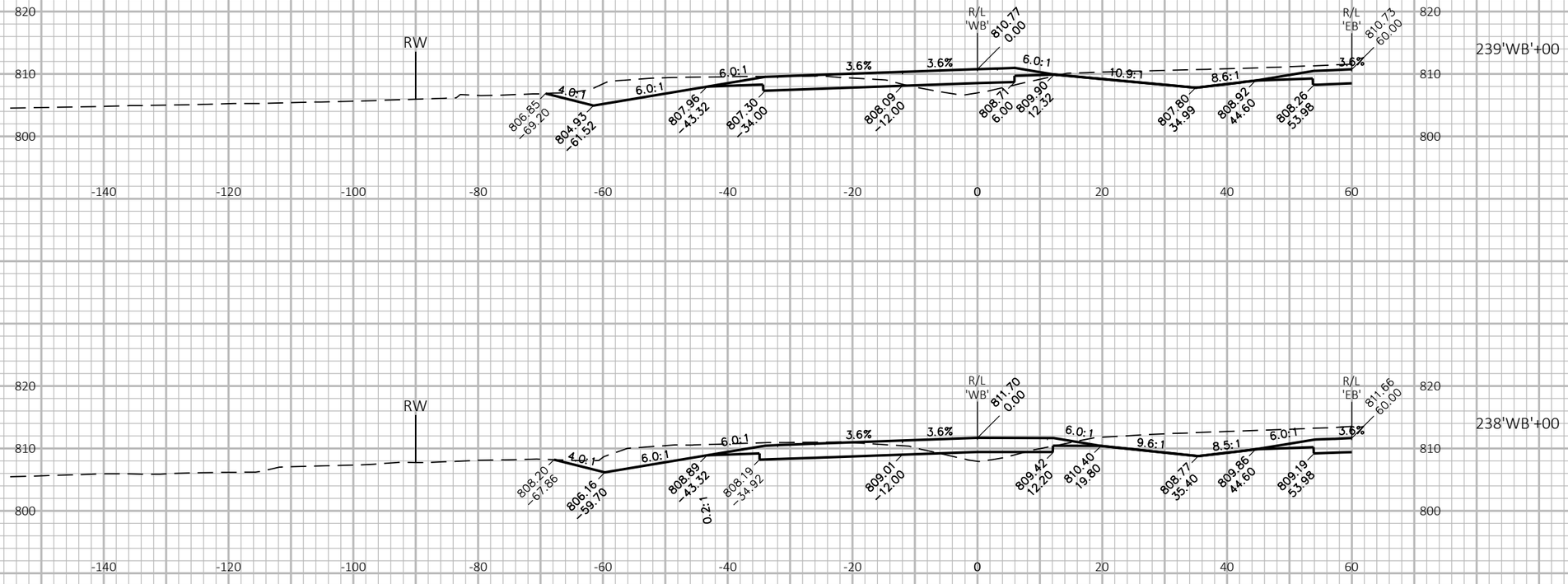
PLOT DATE : 3/31/2023 3:41 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

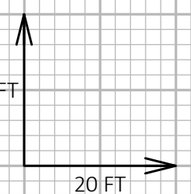
WISDOT/CADDS SHEET 49



239'WB'+00

238'WB'+00

237'WB'+50



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 638	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090321_xs(03)

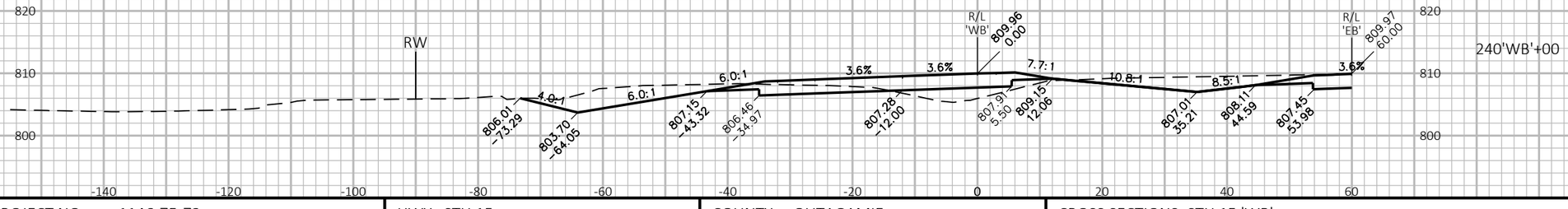
PLOT DATE : 3/31/2023 3:41 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 639	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090322_xs(03)

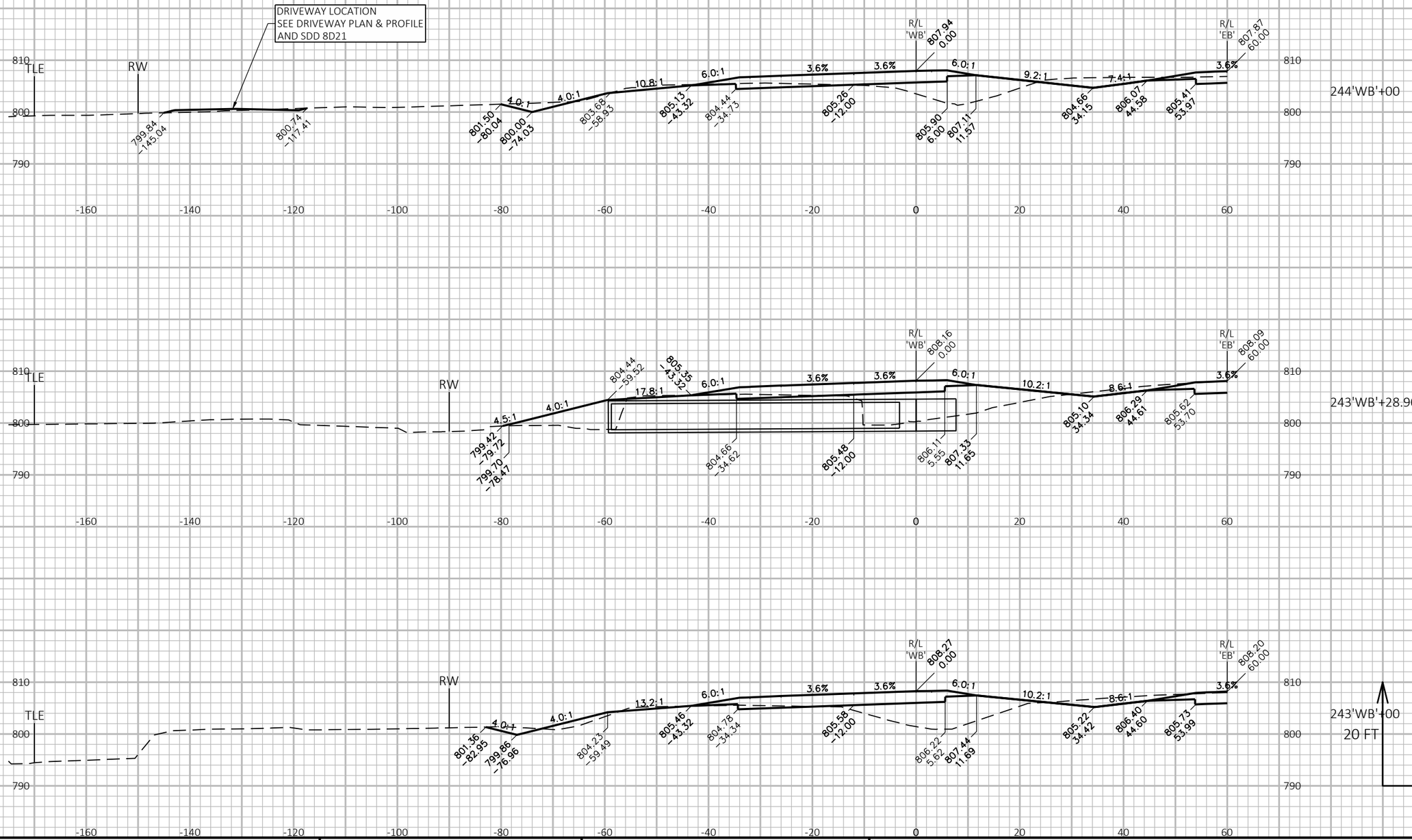
PLOT DATE : 3/31/2023 3:42 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 640 E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090323_xs(03)

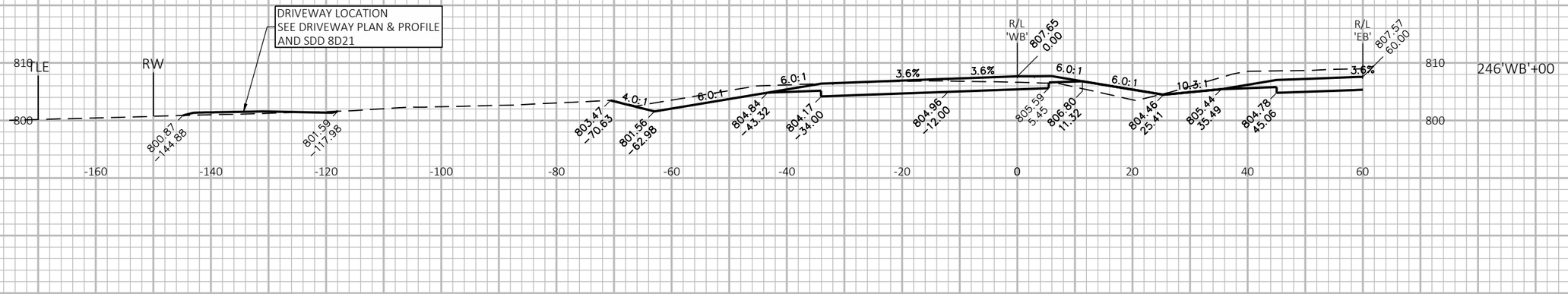
PLOT DATE : 3/31/2023 3:42 PM

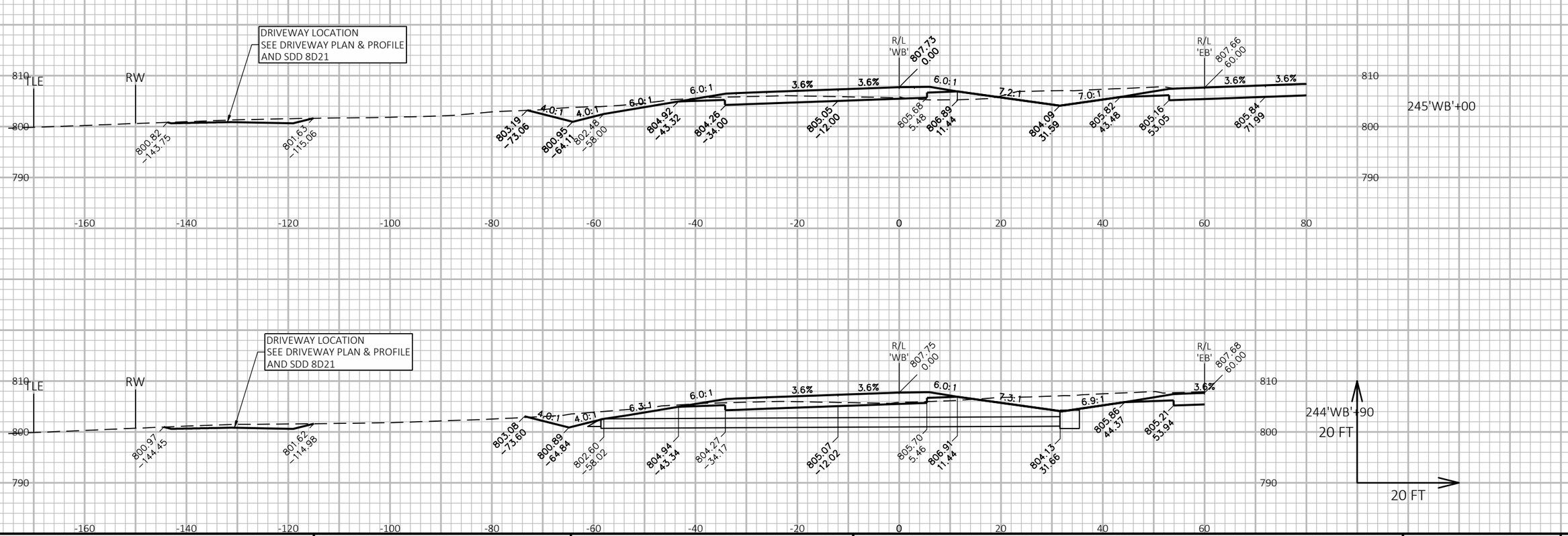
PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 641	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090324_xs(03)

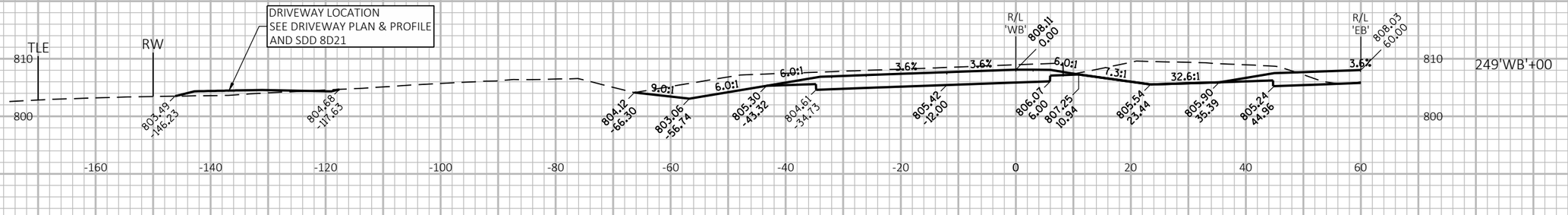
PLOT DATE : 3/31/2023 3:42 PM

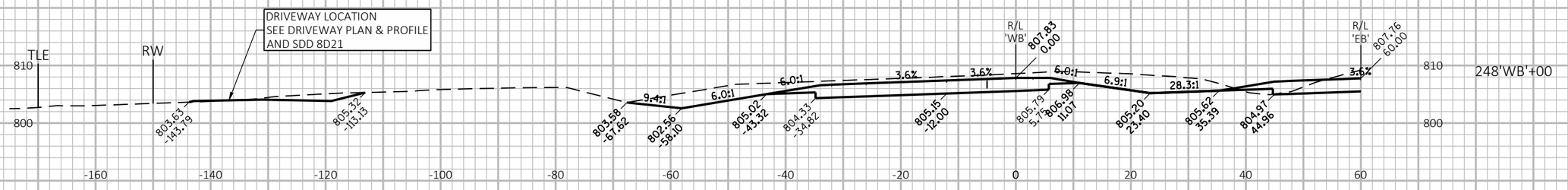
PLOT BY : DANA, SHARON T

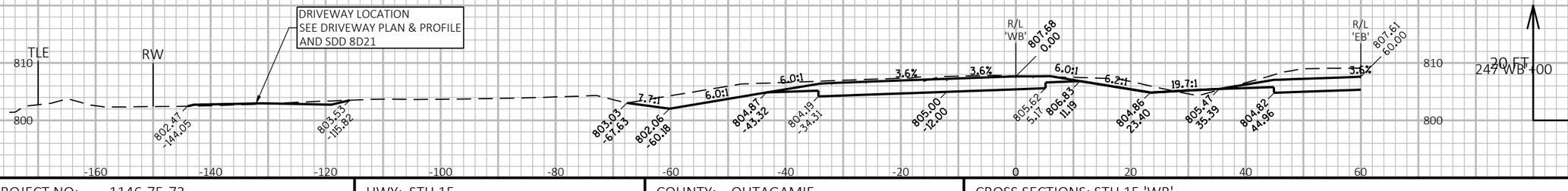
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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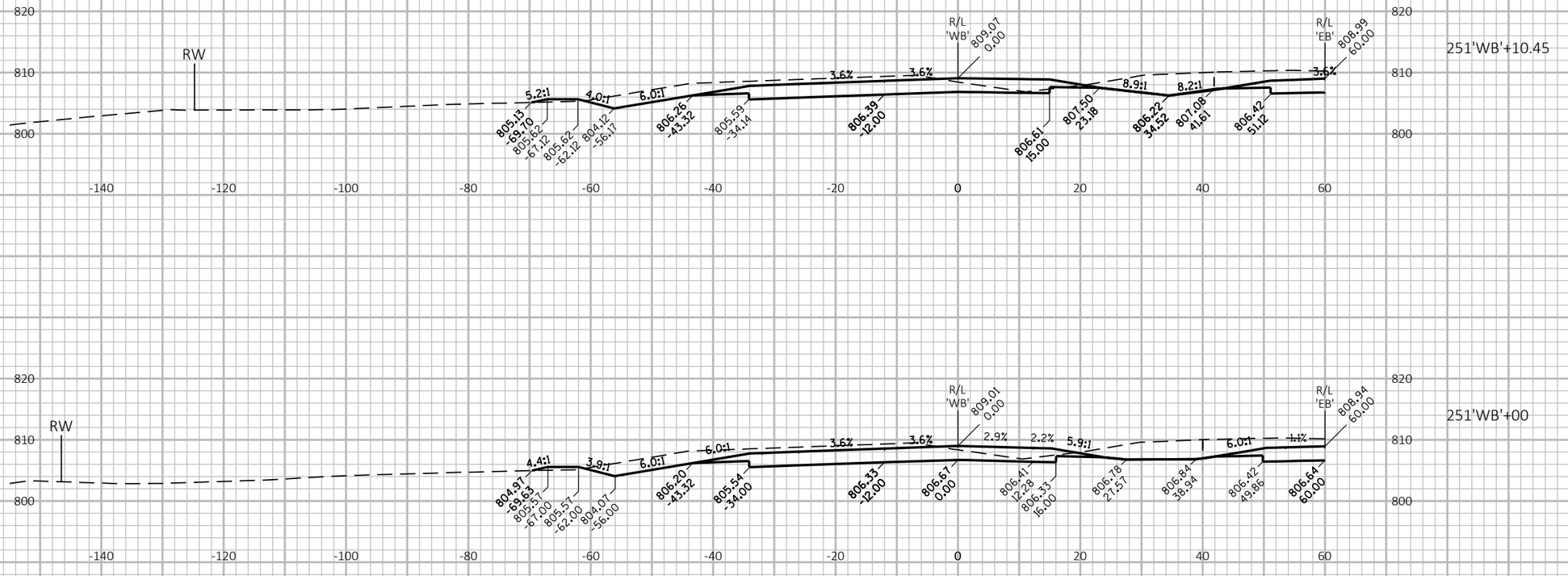
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 642	E



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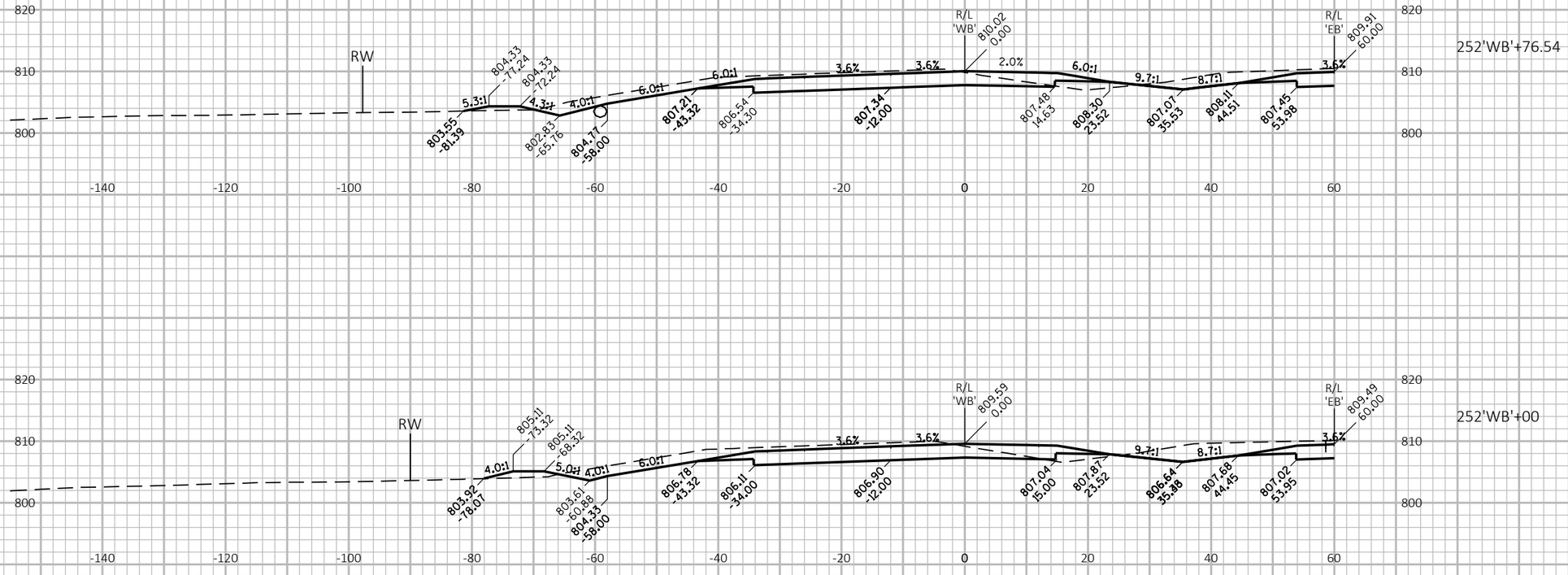
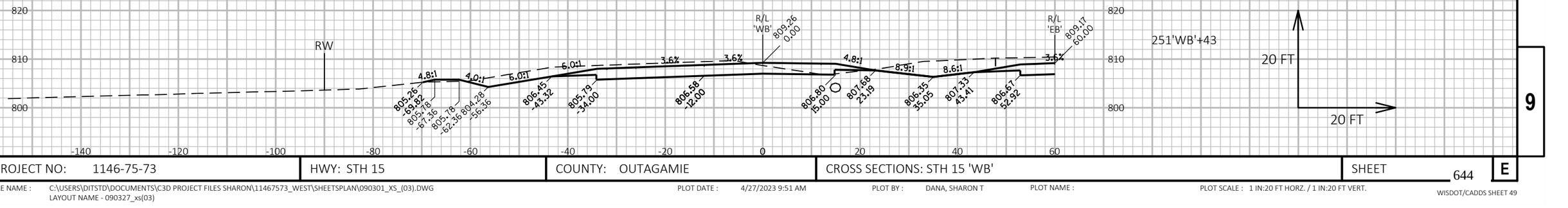
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 643	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090326_xs(03)

PLOT DATE : 4/27/2023 9:50 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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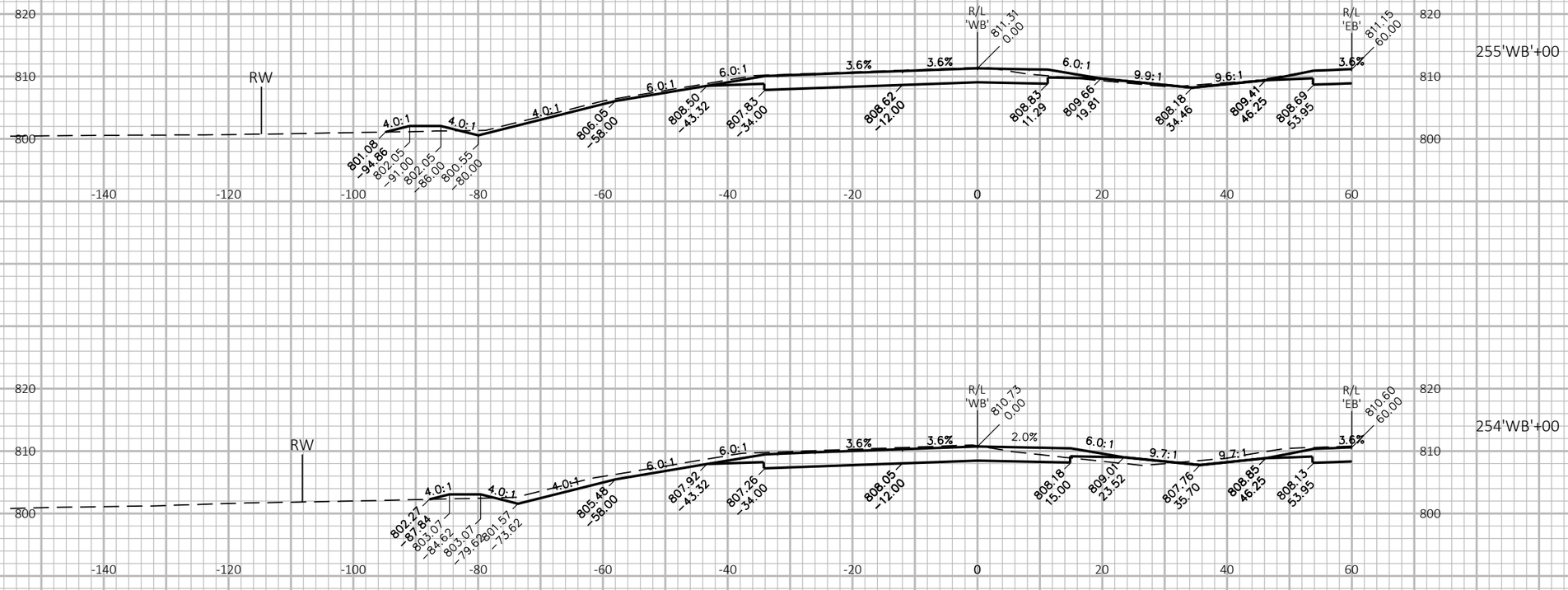
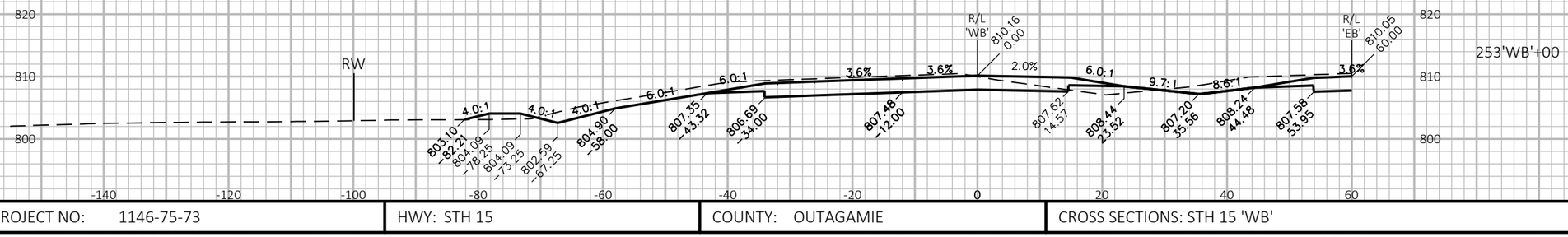
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 644	E

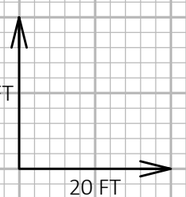
FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090327_xs(03)

PLOT DATE : 4/27/2023 9:51 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 645	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090328_xs(03)

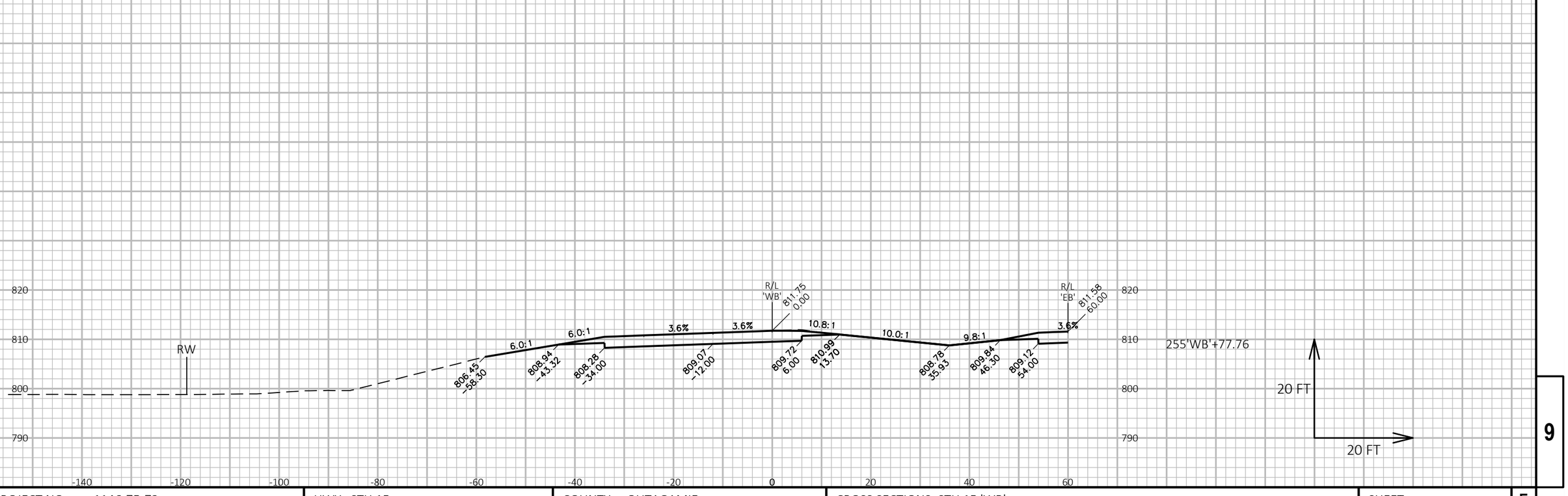
PLOT DATE : 3/31/2023 3:43 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 15 'WB'	SHEET 646	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090301_XS_(03).DWG
LAYOUT NAME - 090329_xs(03)

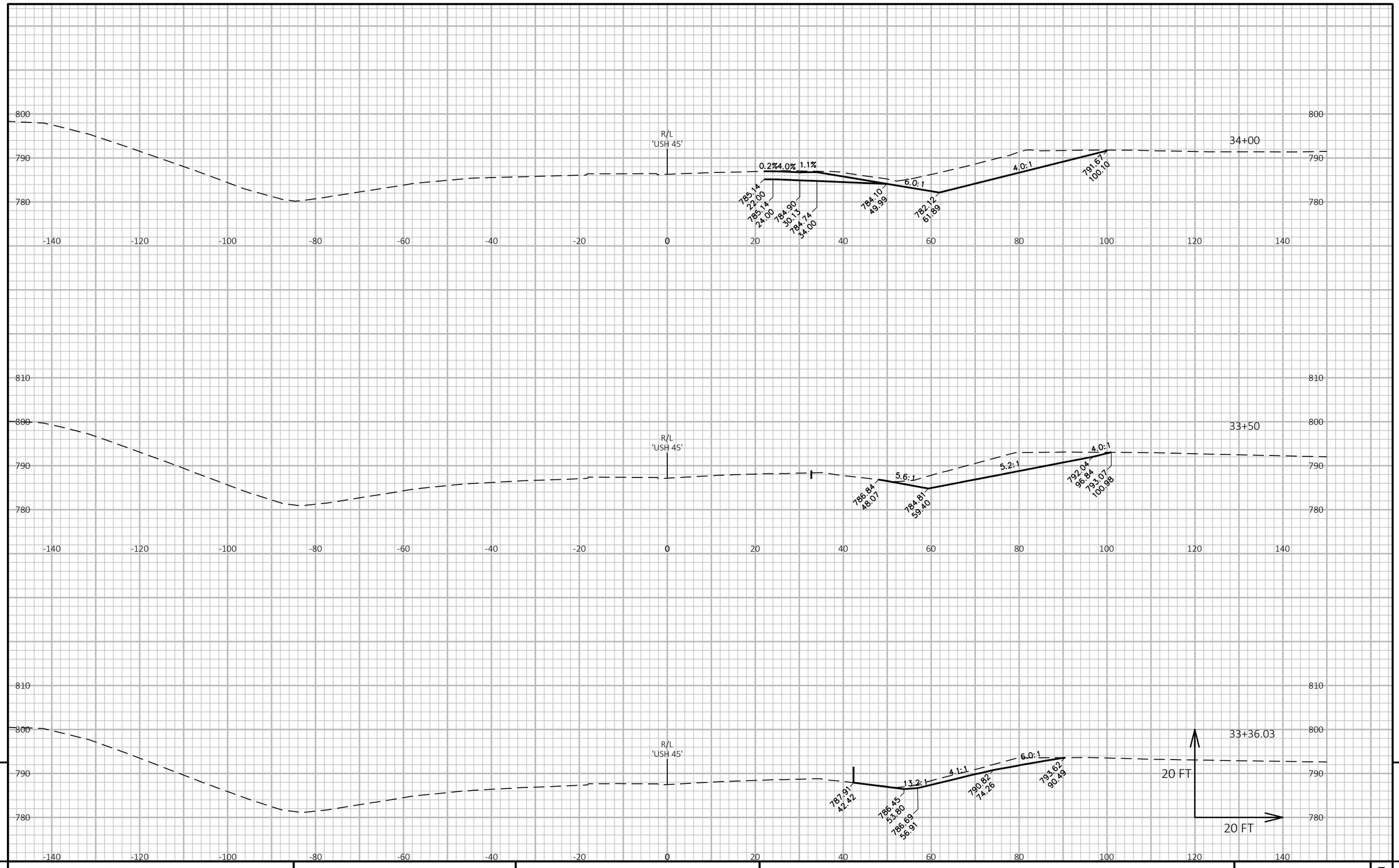
PLOT DATE : 3/31/2023 3:43 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



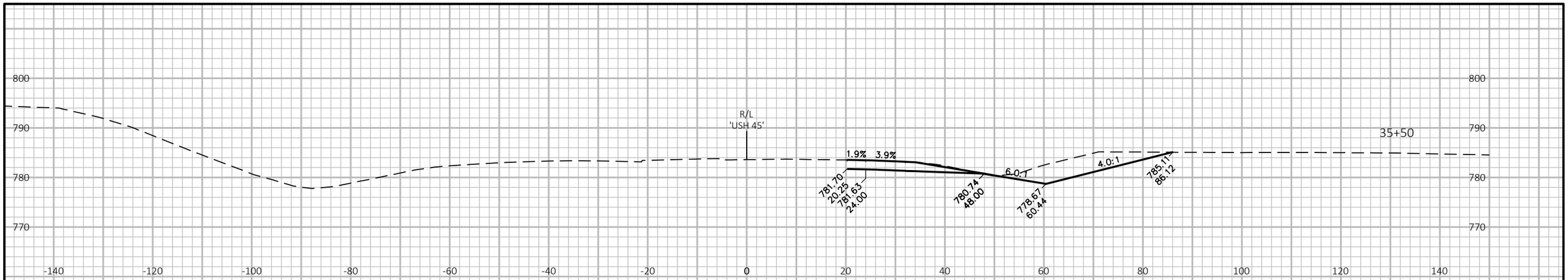
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45	SHEET 647	E

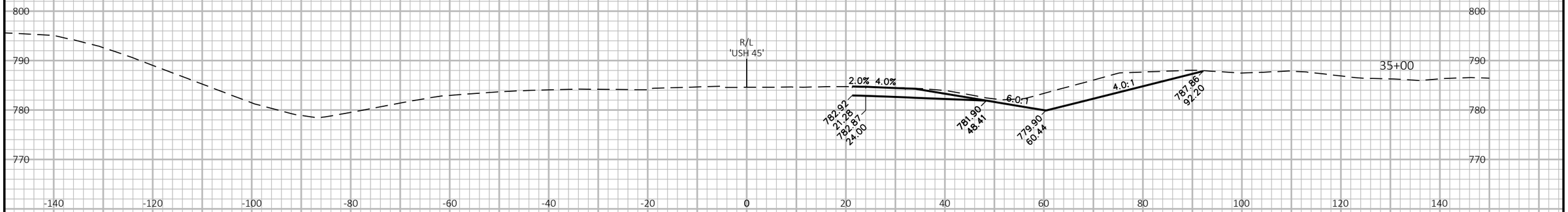
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090401_xs(USH)

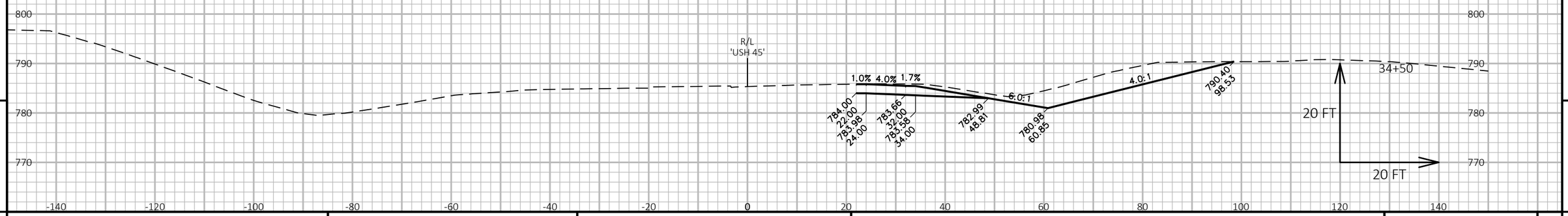
PLOT DATE : 3/31/2023 3:50 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9







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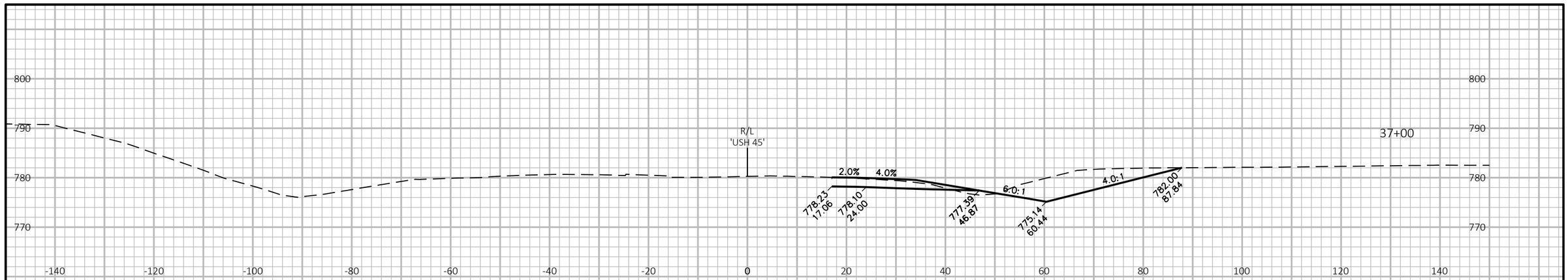
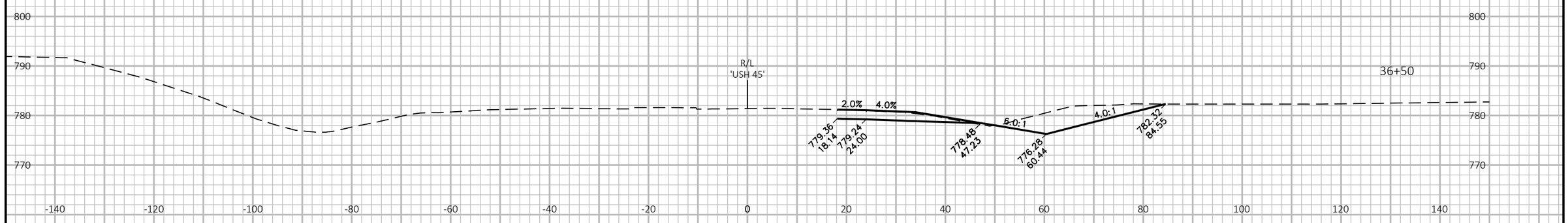
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45	SHEET 648	E

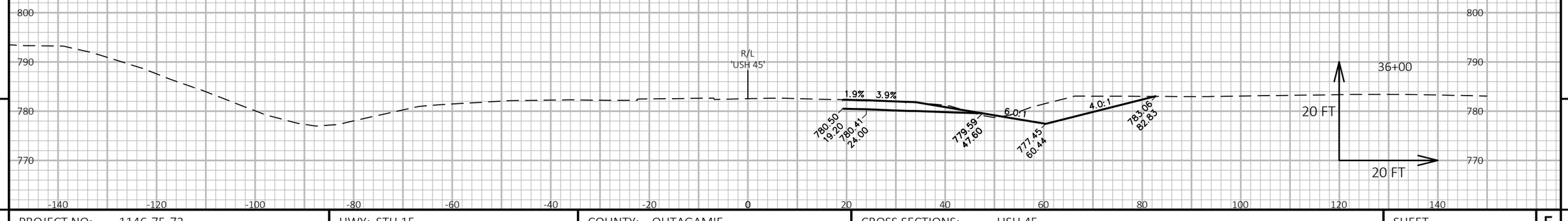
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090402_xs(USH)

PLOT DATE : 3/31/2023 3:51 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45	SHEET 649	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090403_xs(USH)

PLOT DATE : 3/31/2023 3:51 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45	SHEET 650 E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090404_xs(USH)

PLOT DATE : 3/31/2023 3:51 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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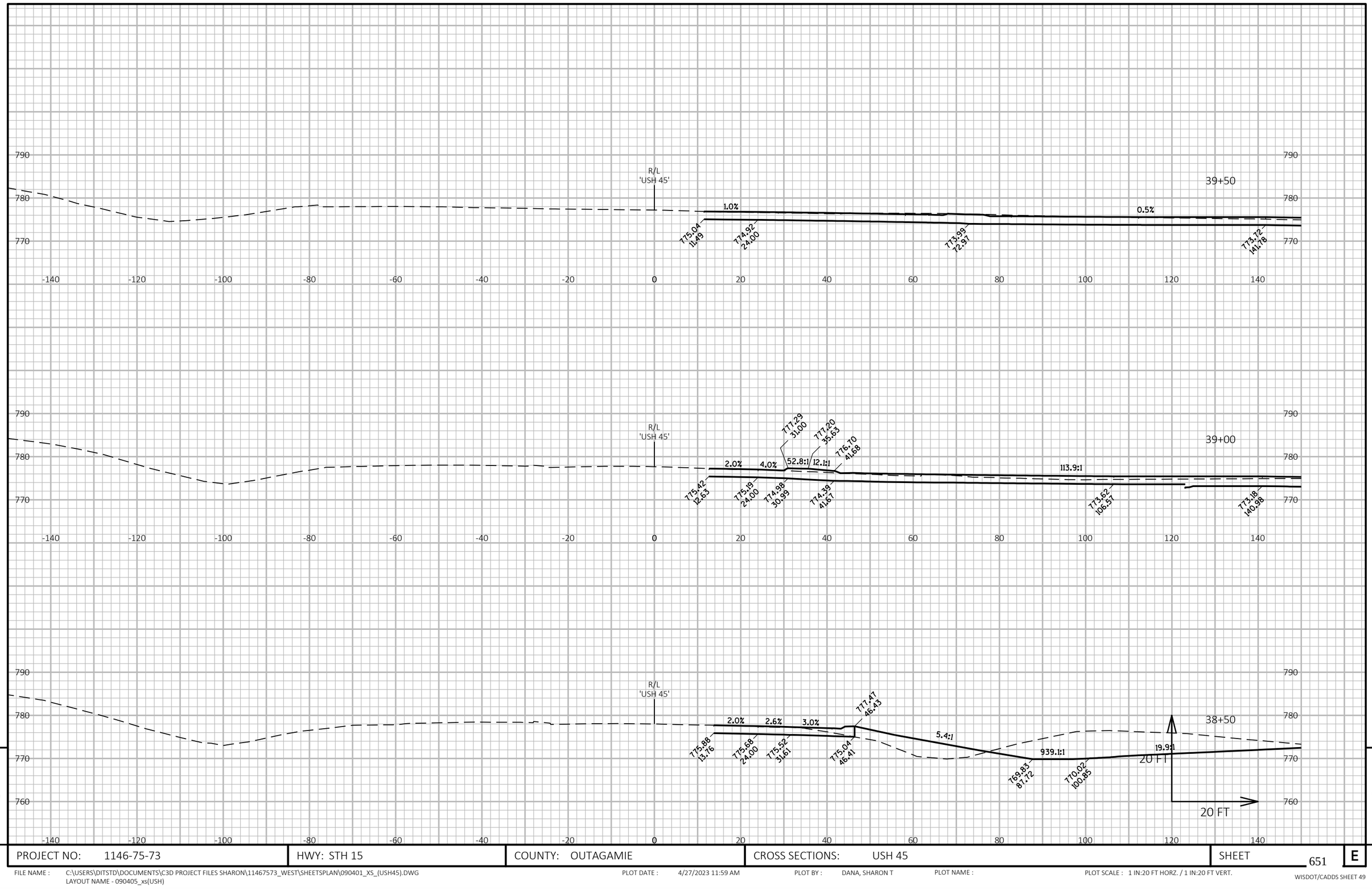

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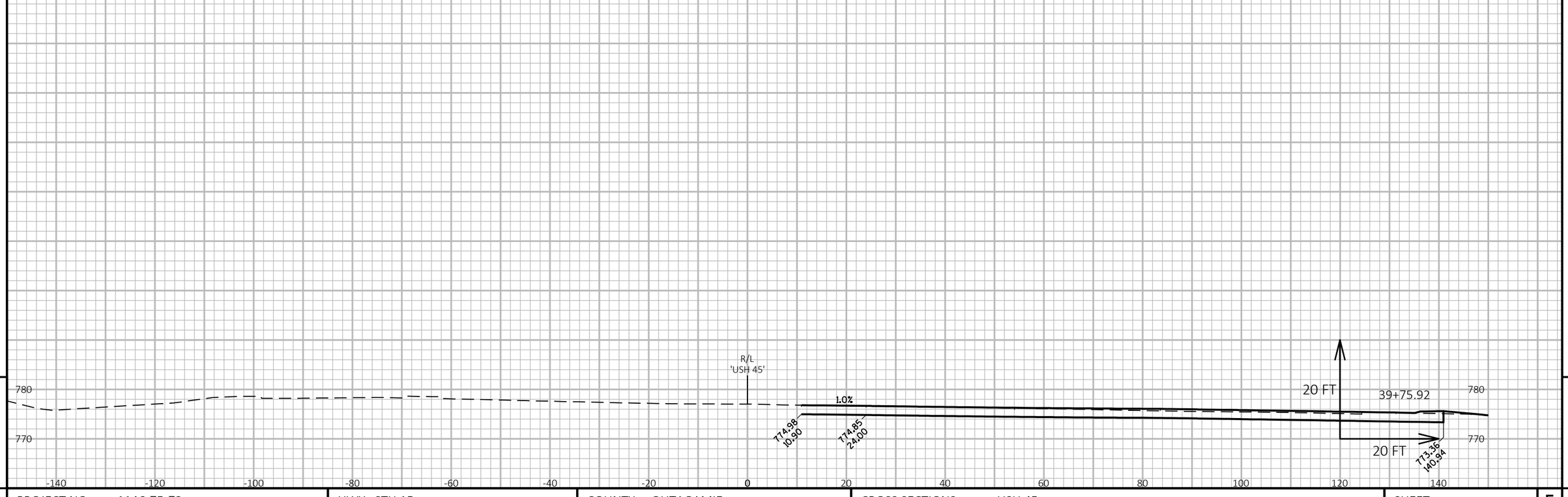
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45	SHEET 651	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090405_xs(USH)

PLOT DATE : 4/27/2023 11:59 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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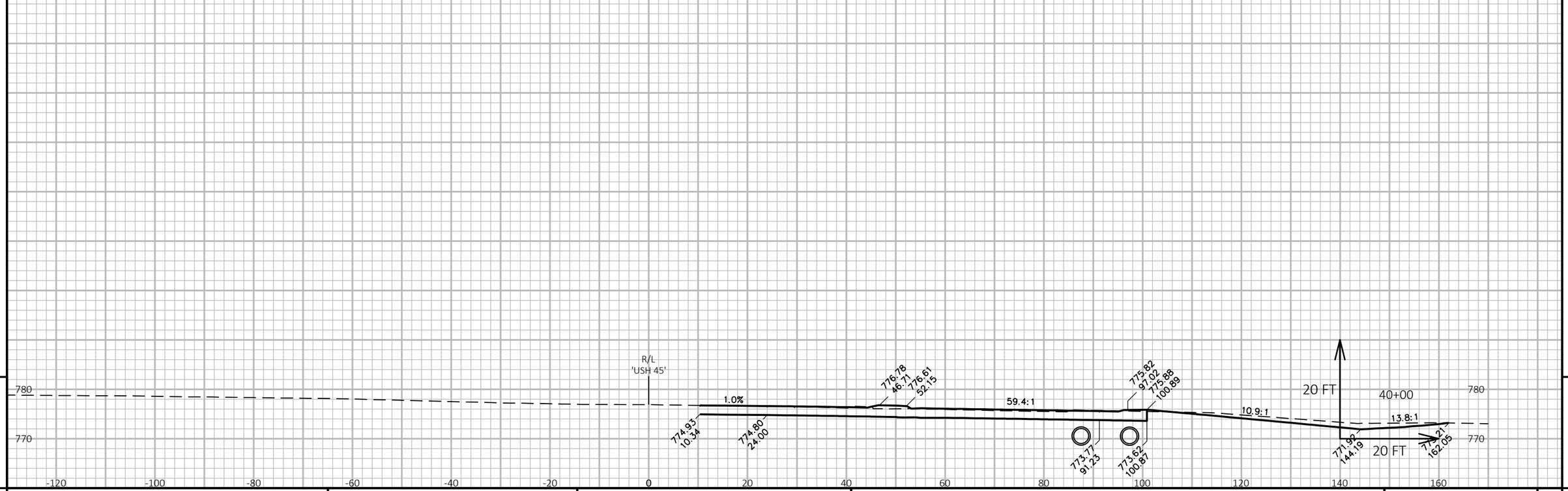
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45	SHEET 652	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090406_xs(USH)

PLOT DATE : 4/27/2023 11:59 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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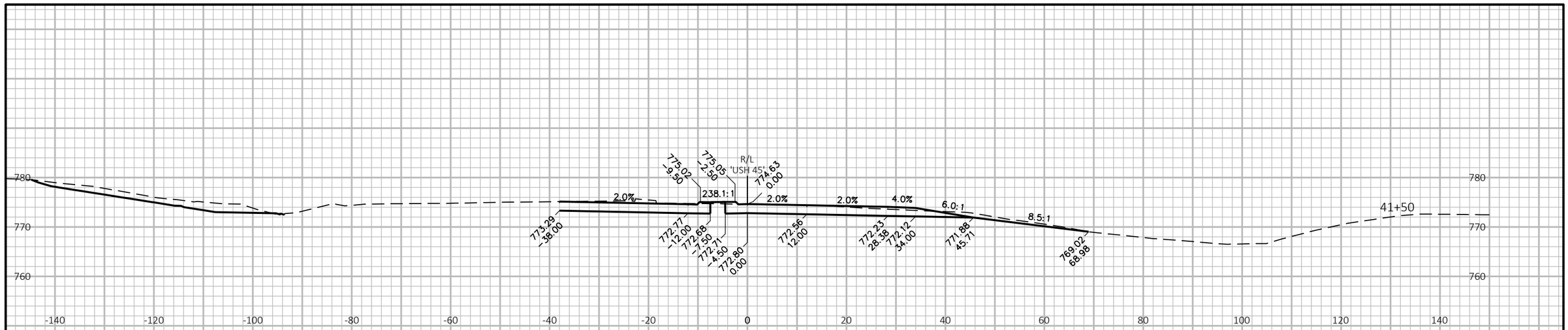
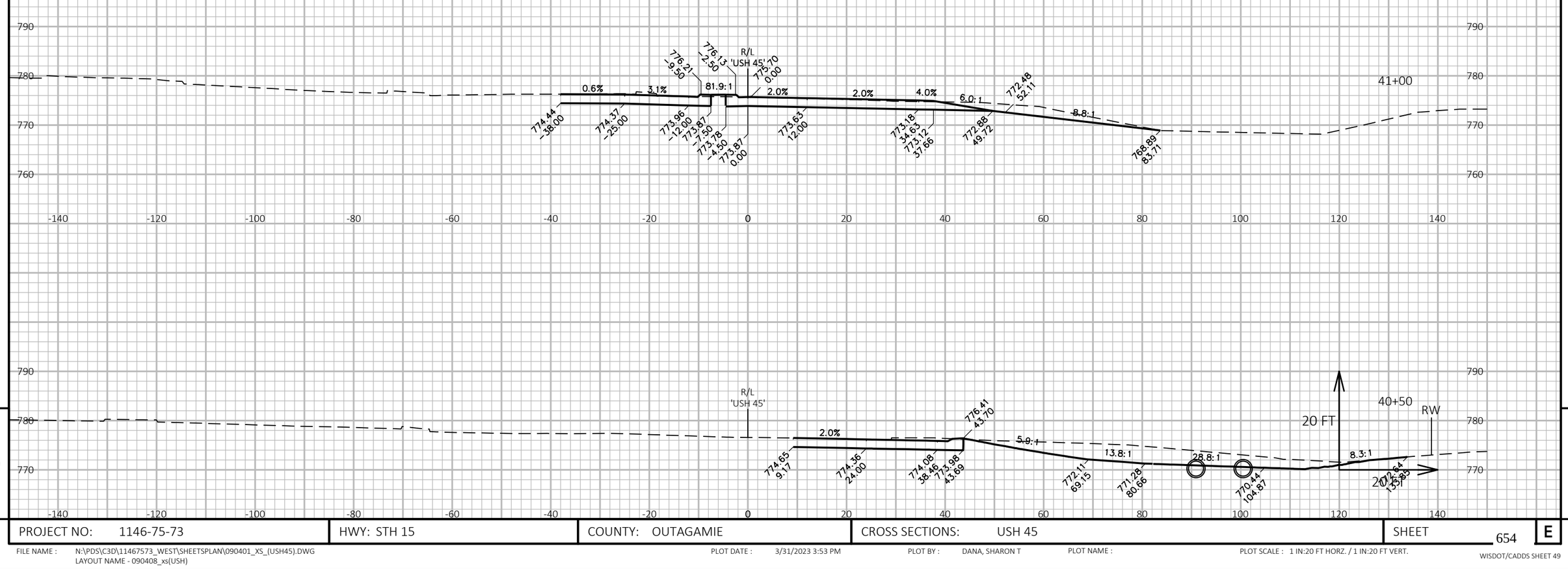
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45	SHEET 653	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090407_xs(USH)

PLOT DATE : 3/31/2023 3:52 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45	SHEET 654	E

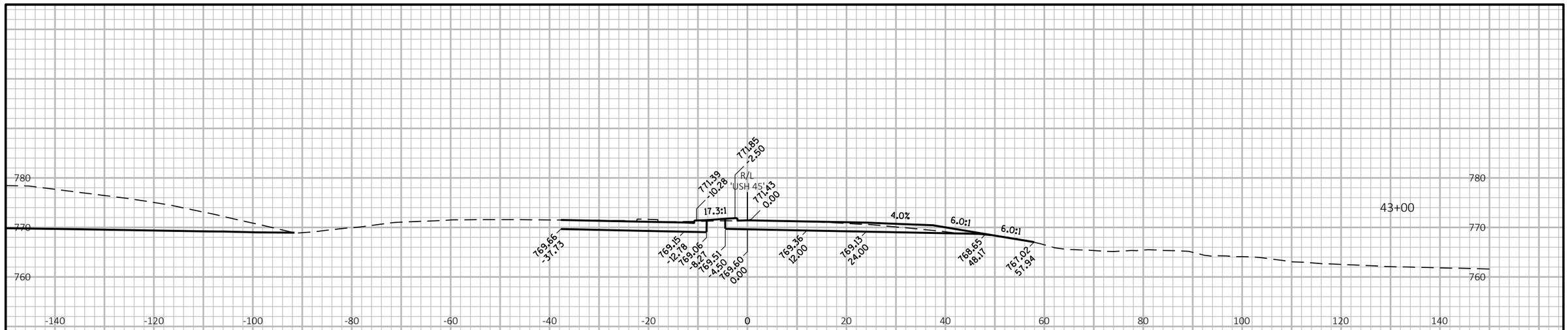
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090408_xs(USH)

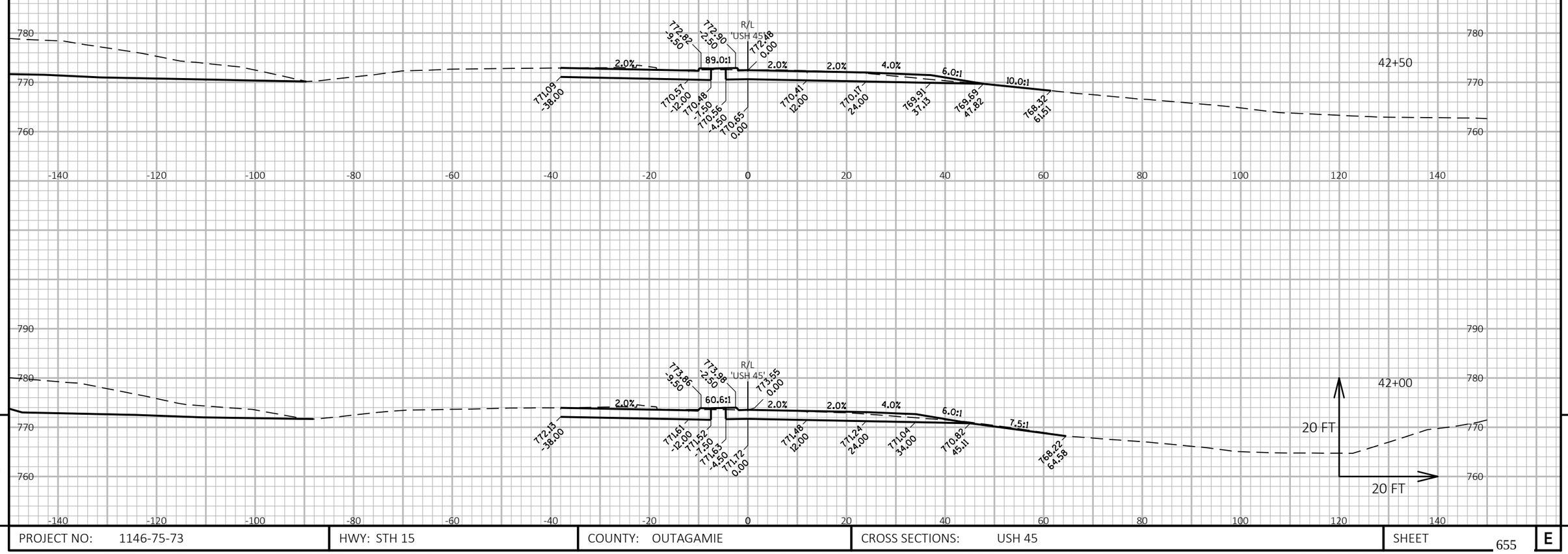
PLOT DATE : 3/31/2023 3:53 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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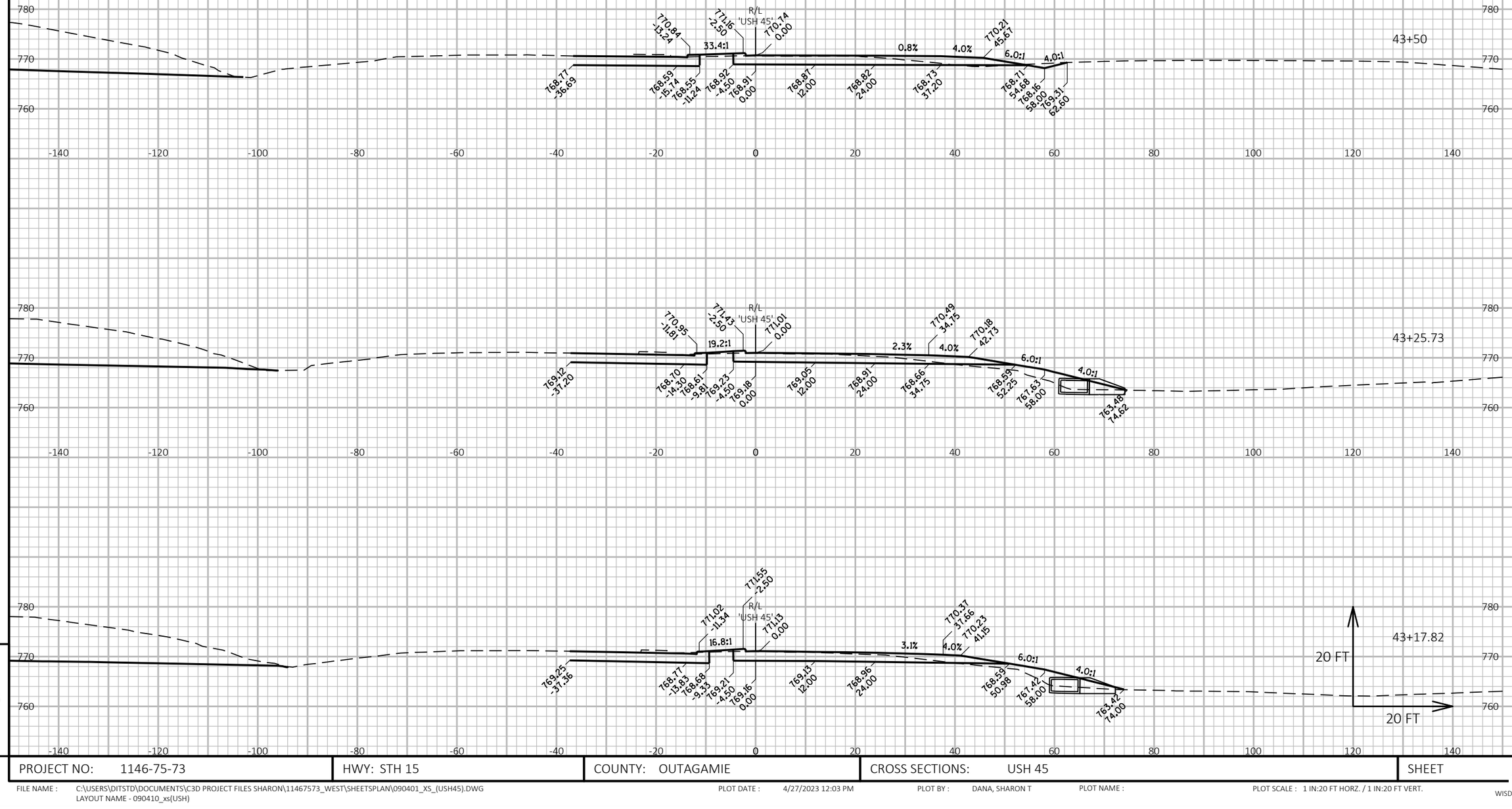
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45	SHEET 655	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090409_xs(USH)

PLOT DATE : 4/27/2023 12:02 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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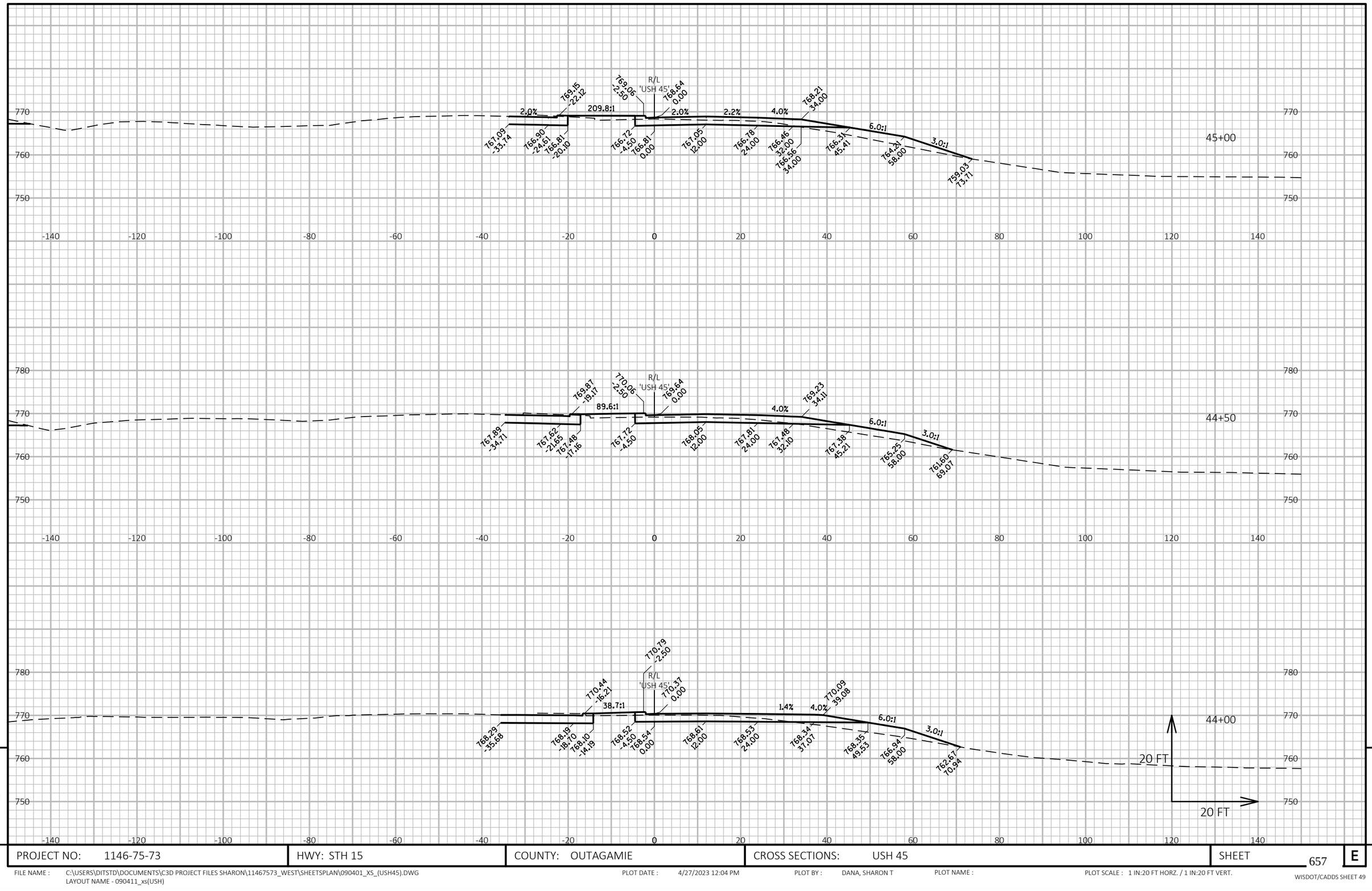
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45	SHEET 656	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090410_xs(USH)

PLOT DATE : 4/27/2023 12:03 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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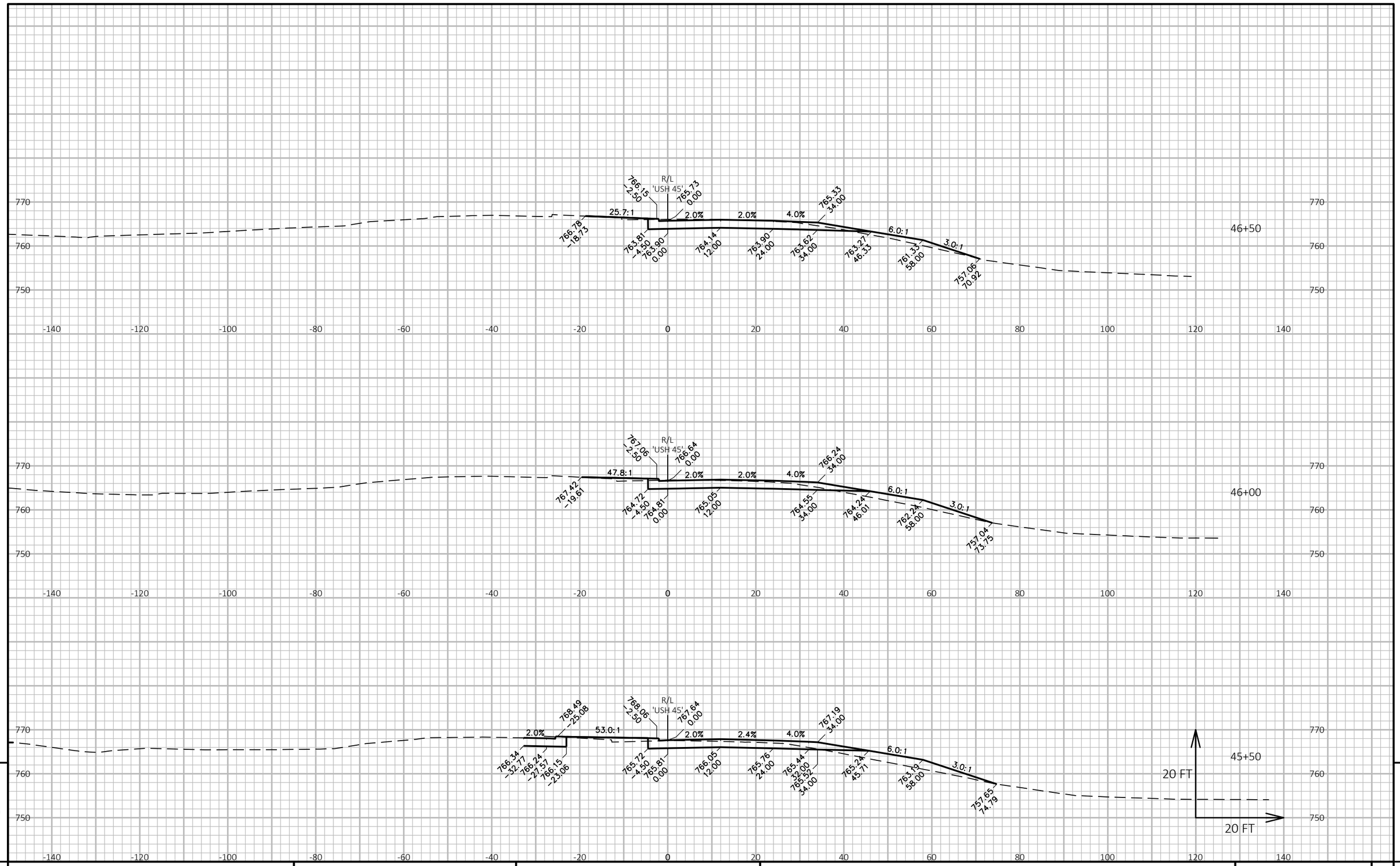
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45	SHEET 657	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090411_xs(USH)

PLOT DATE : 4/27/2023 12:04 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45	SHEET 658	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090412_xs(USH)

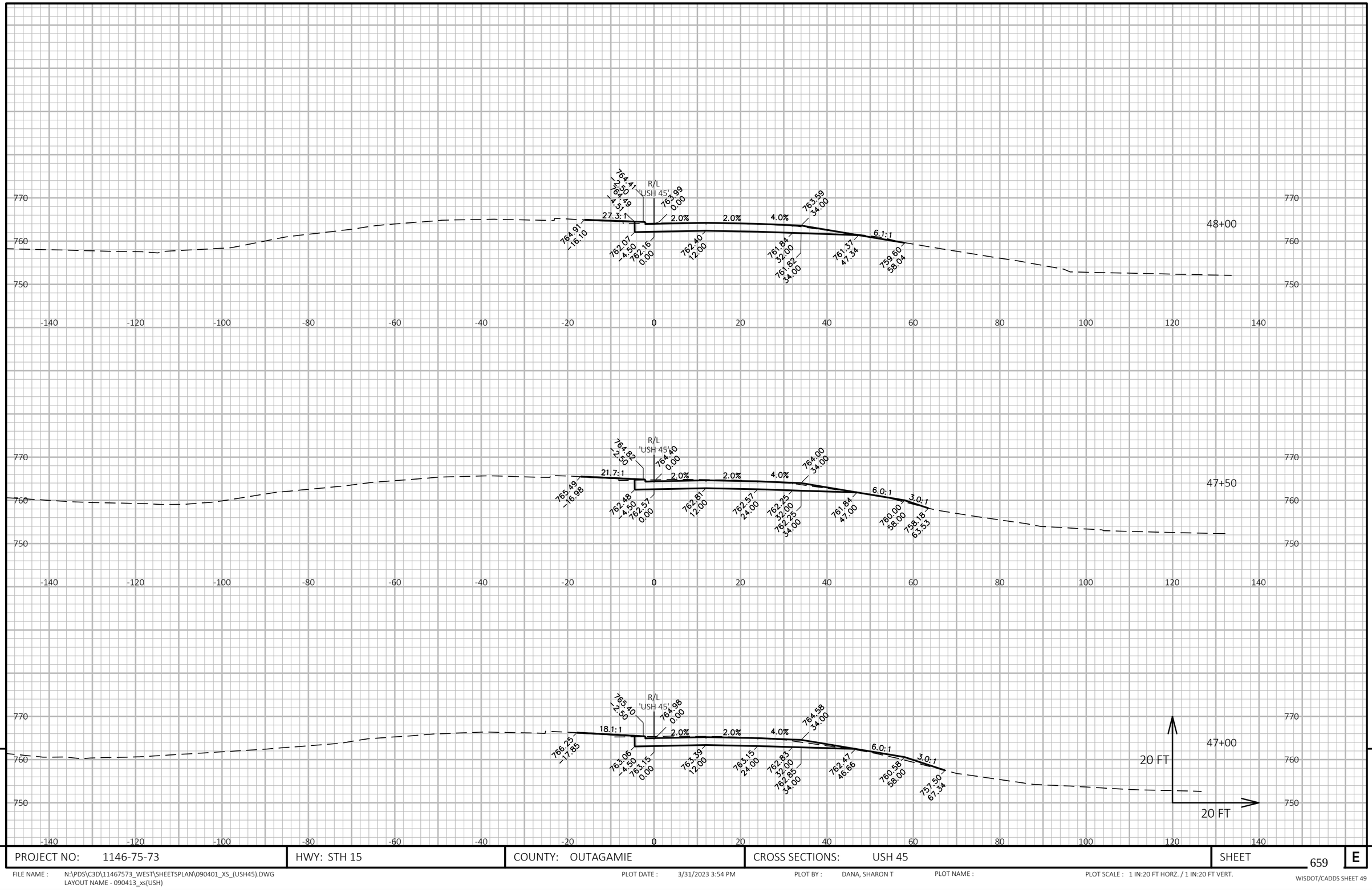
PLOT DATE : 3/31/2023 3:54 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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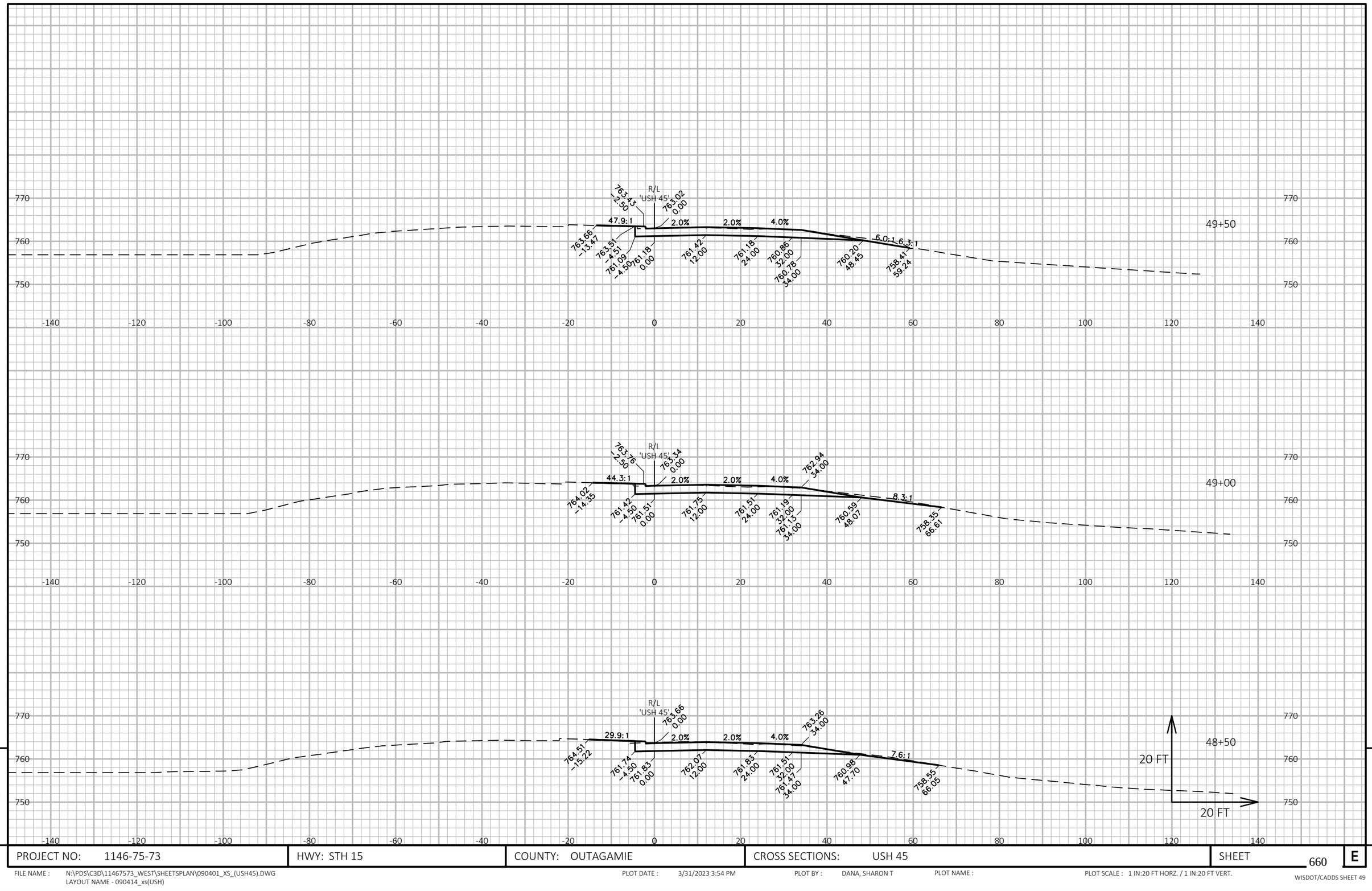
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45	SHEET 659	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090413_xs(USH)

PLOT DATE : 3/31/2023 3:54 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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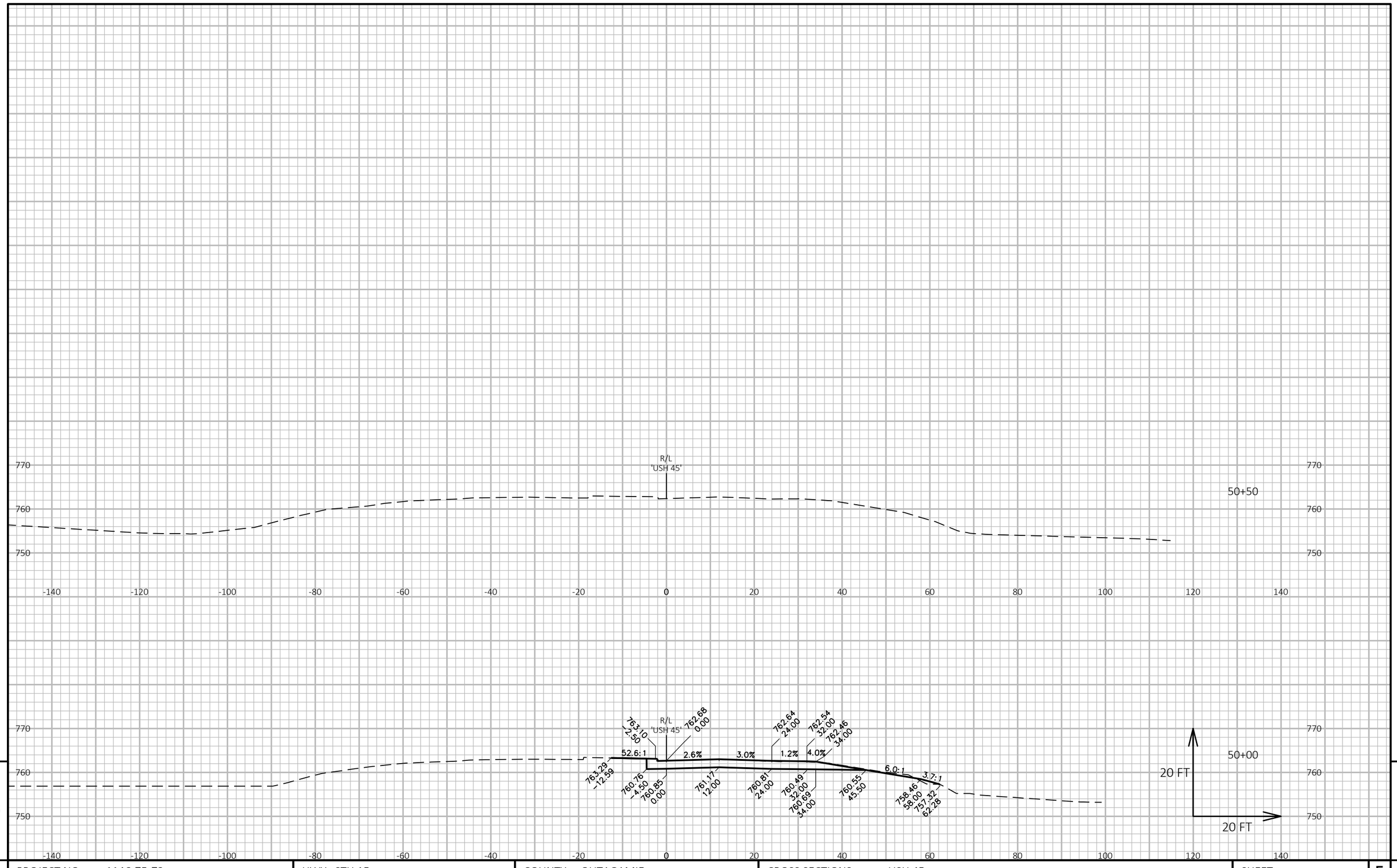
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45	SHEET 660	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090414_xs(USH)

PLOT DATE : 3/31/2023 3:54 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45	SHEET 661	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090415_xs(USH)

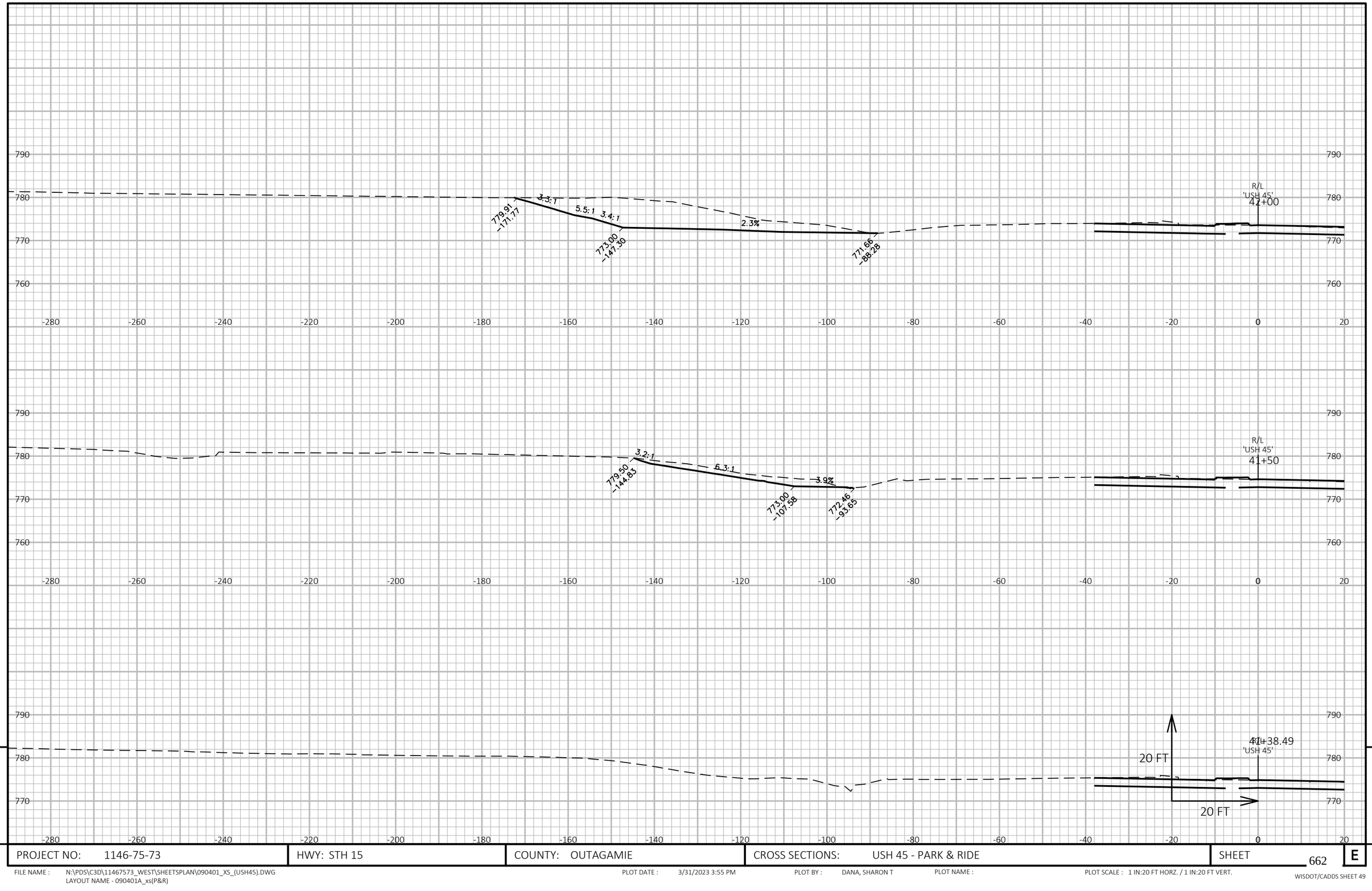
PLOT DATE : 3/31/2023 3:55 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

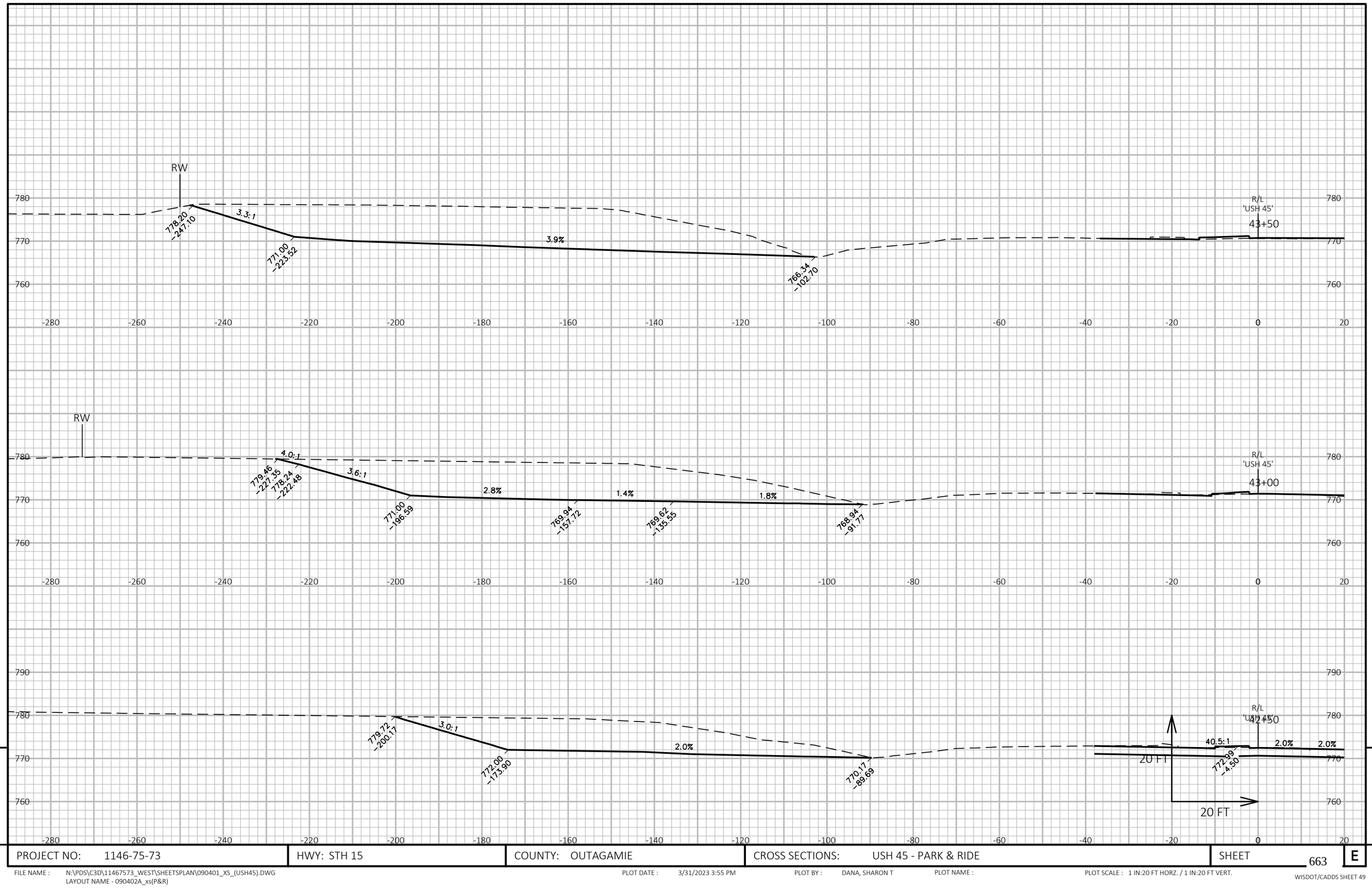


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45 - PARK & RIDE	SHEET 662	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090401A_xs(P&R)

PLOT DATE : 3/31/2023 3:55 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

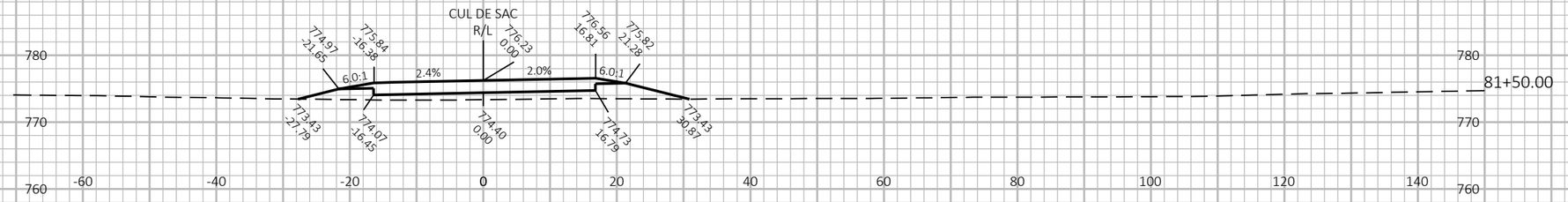


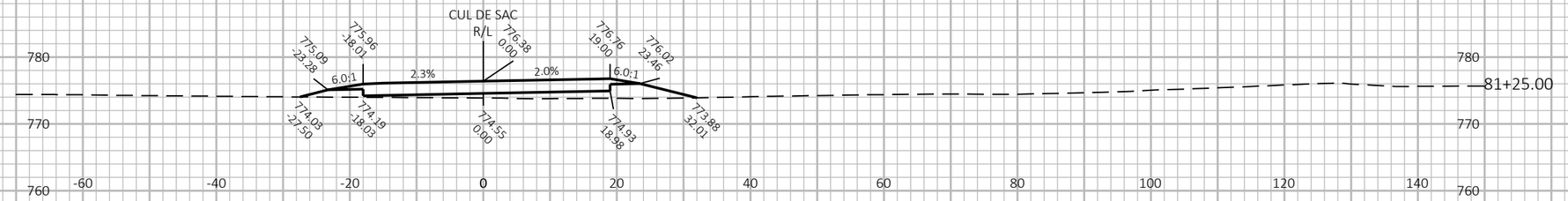
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: USH 45 - PARK & RIDE	SHEET 663	E

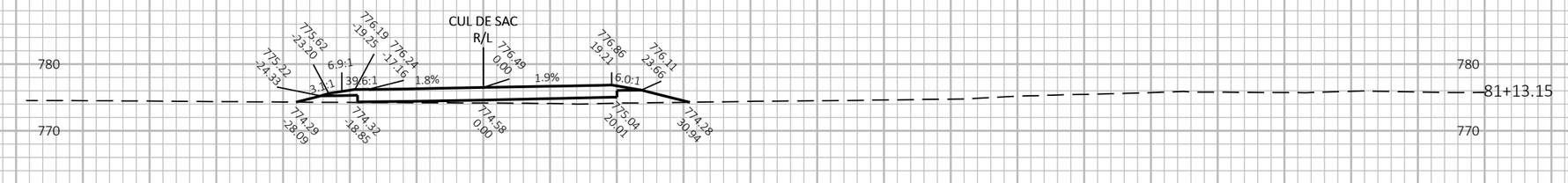
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090401_XS_(USH45).DWG
LAYOUT NAME - 090402A_xs(P&R)

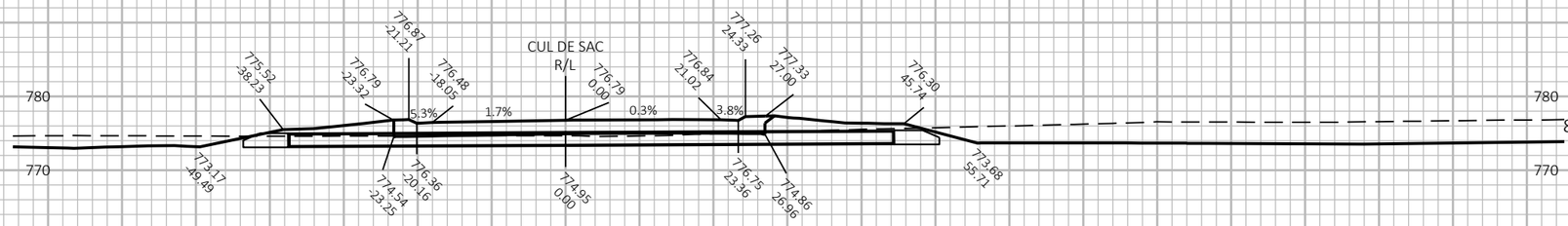
PLOT DATE : 3/31/2023 3:55 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

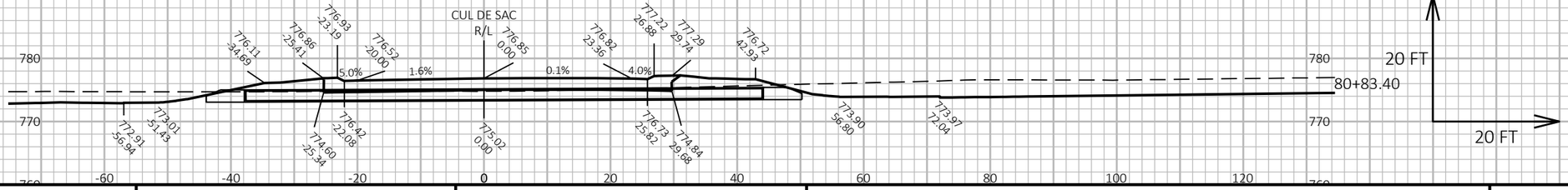
WISDOT/CADDS SHEET 49











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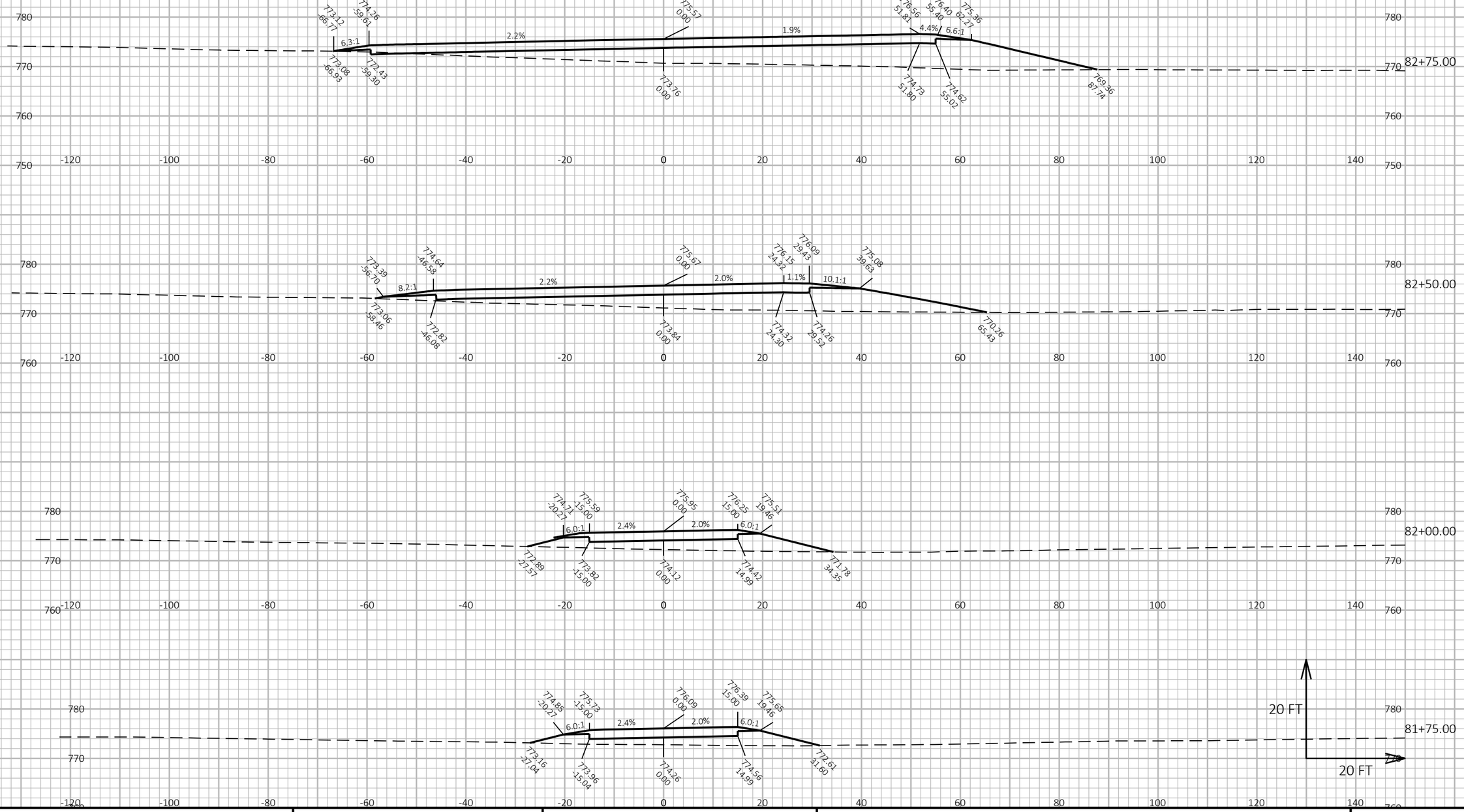
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WOLF RIVER RUN	SHEET 664	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090911_XS_(DWY).DWG
LAYOUT NAME - 090911_xs_(DWY)1

PLOT DATE : 3/31/2023 4:46 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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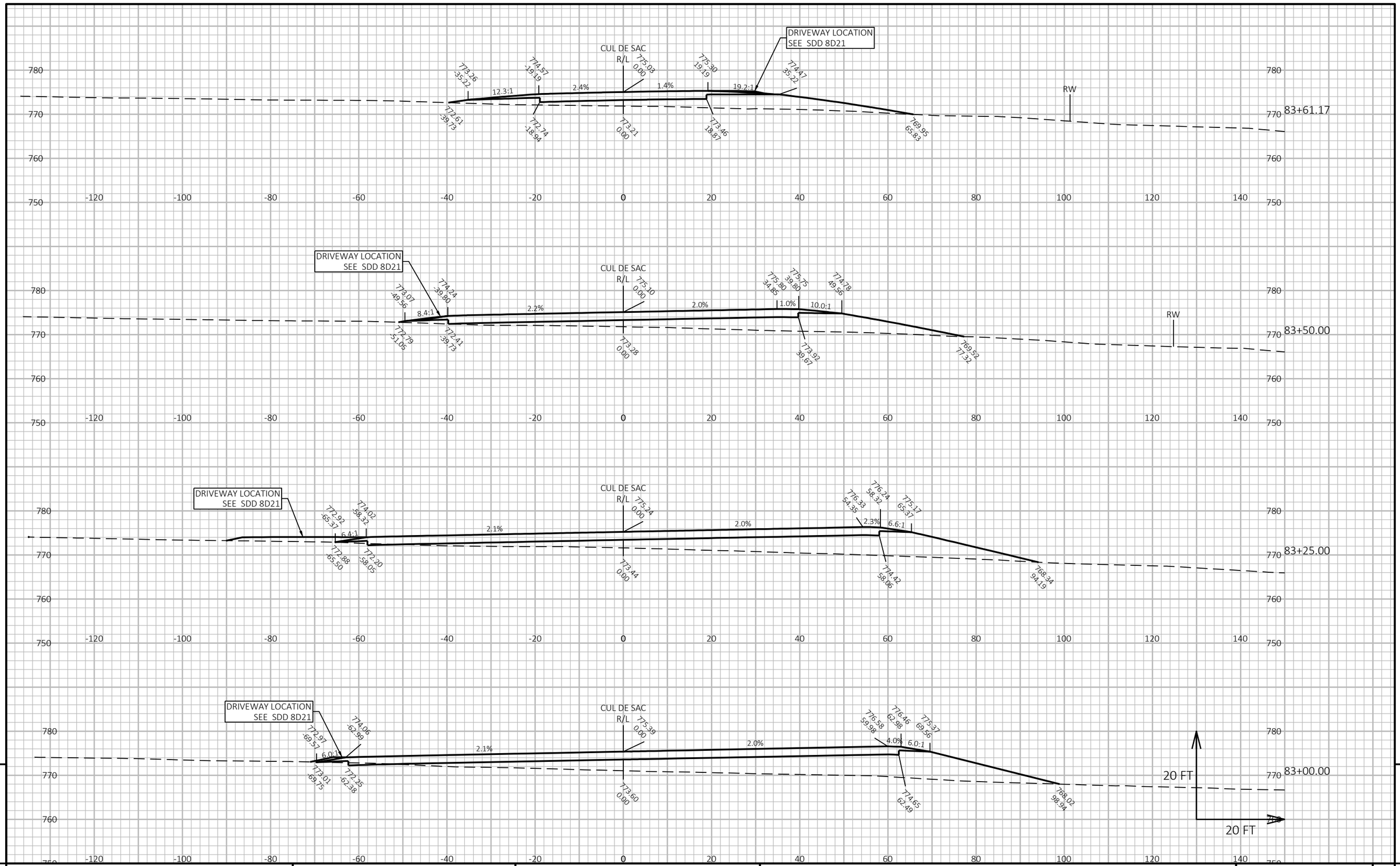
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WOLF RIVER RUN	SHEET 665	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090911_XS_(DWY).DWG
LAYOUT NAME - 090911_xs_(DWY)2

PLOT DATE : 4/28/2023 8:02 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WOLF RIVER RUN	SHEET 666 E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090911_XS_(DWY).DWG
LAYOUT NAME - 090911_xs_(DWY)3

PLOT DATE : 3/31/2023 4:46 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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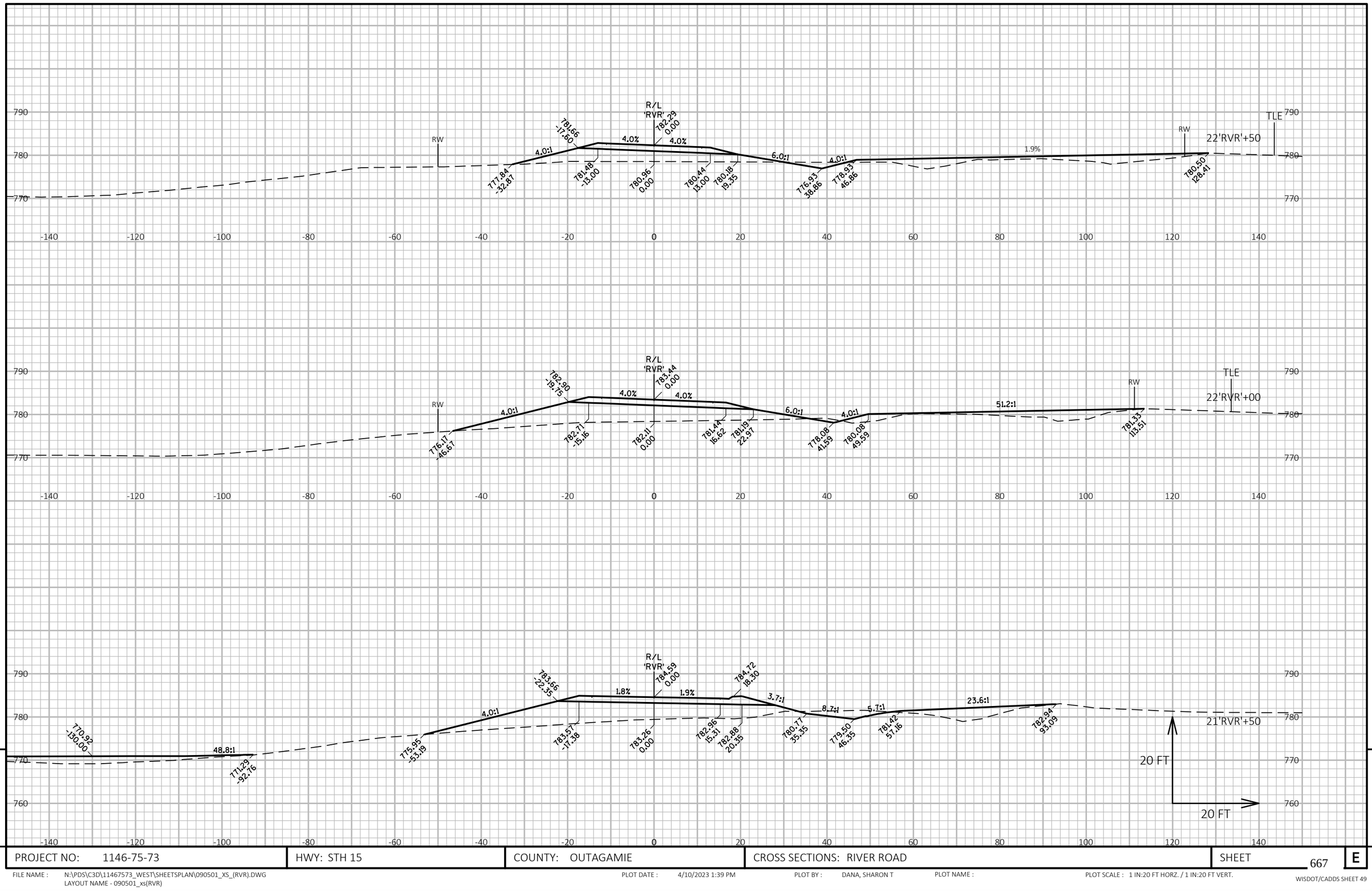

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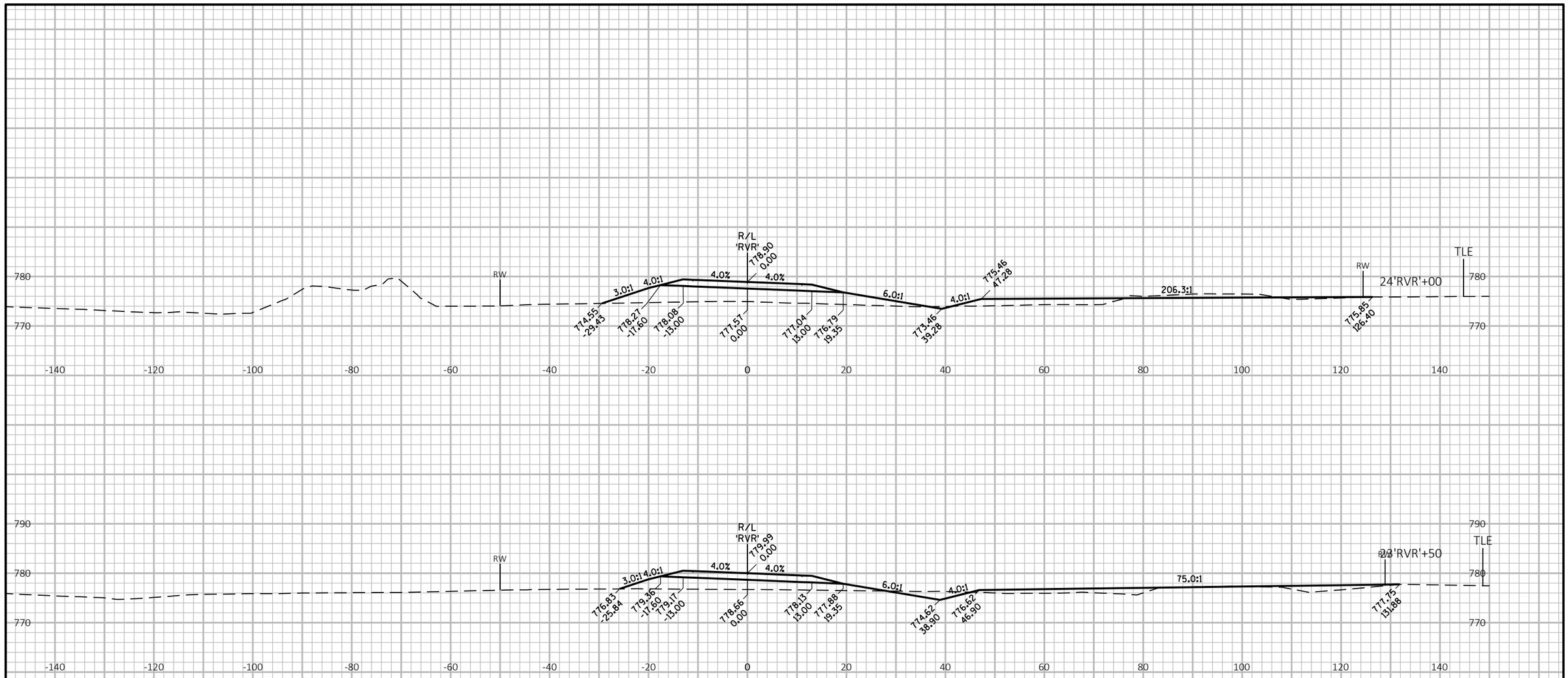
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: RIVER ROAD	SHEET 667	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090501_XS_(RVR).DWG
LAYOUT NAME - 090501_xs(RVR)

PLOT DATE : 4/10/2023 1:39 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: RIVER ROAD	SHEET 668	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090501_XS_(RVR).DWG
LAYOUT NAME - 090502_xs(RVR)

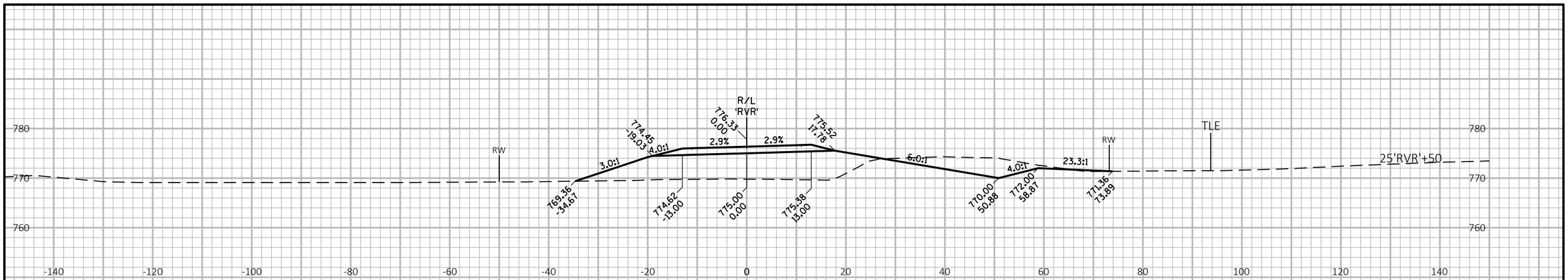
PLOT DATE : 4/10/2023 1:39 PM

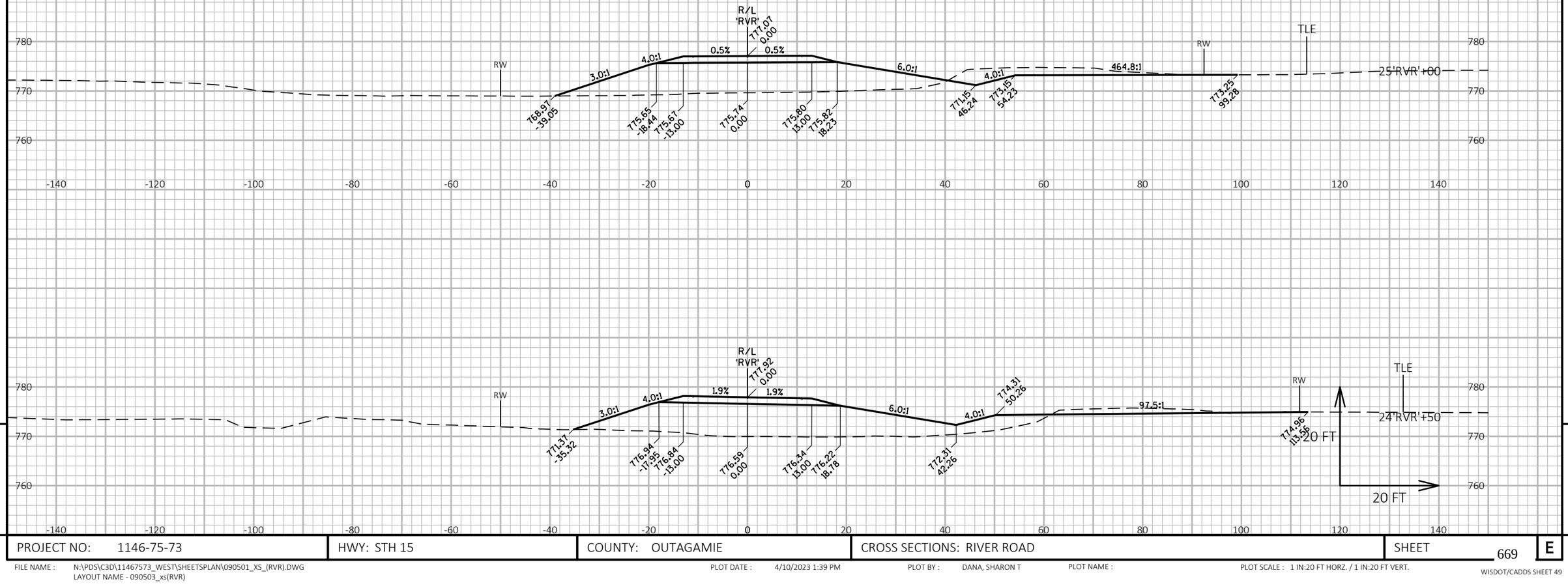
PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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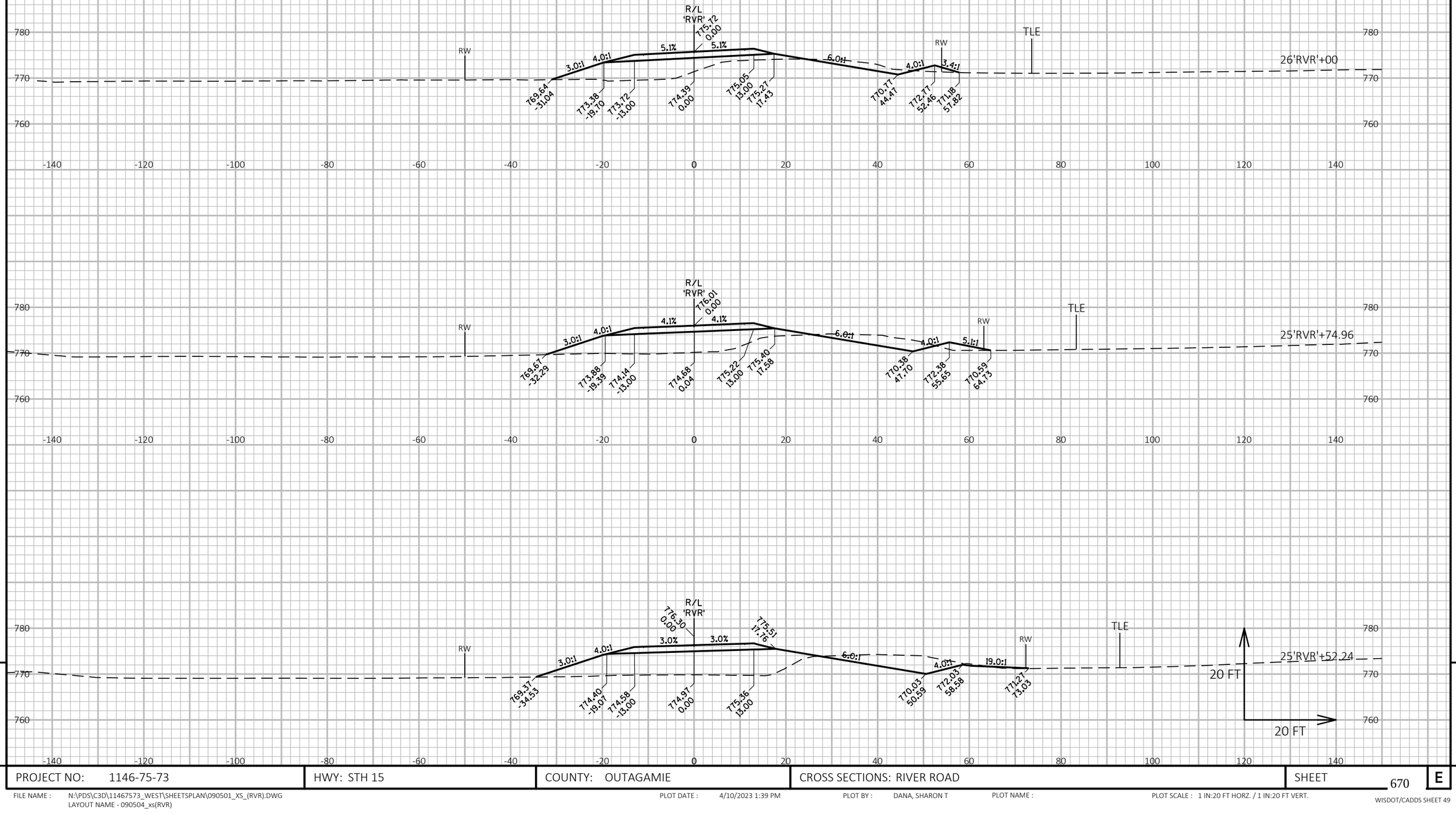
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: RIVER ROAD	SHEET 669	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090501_XS_(RVR).DWG
LAYOUT NAME - 090503_xs(RVR)

PLOT DATE : 4/10/2023 1:39 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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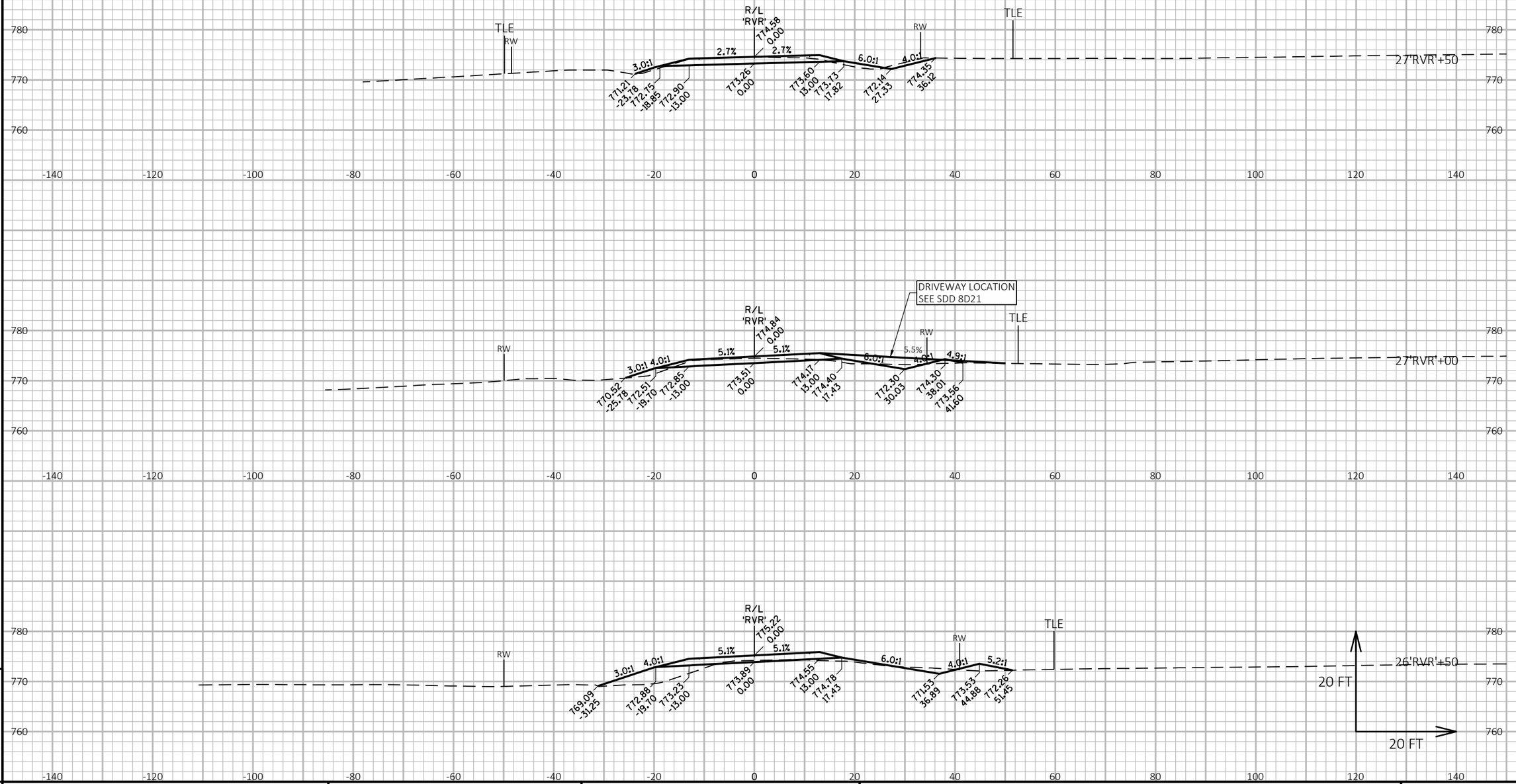
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: RIVER ROAD	SHEET 670	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090501_XS_(RVR).DWG
LAYOUT NAME - 090504_xs(RVR)

PLOT DATE : 4/10/2023 1:39 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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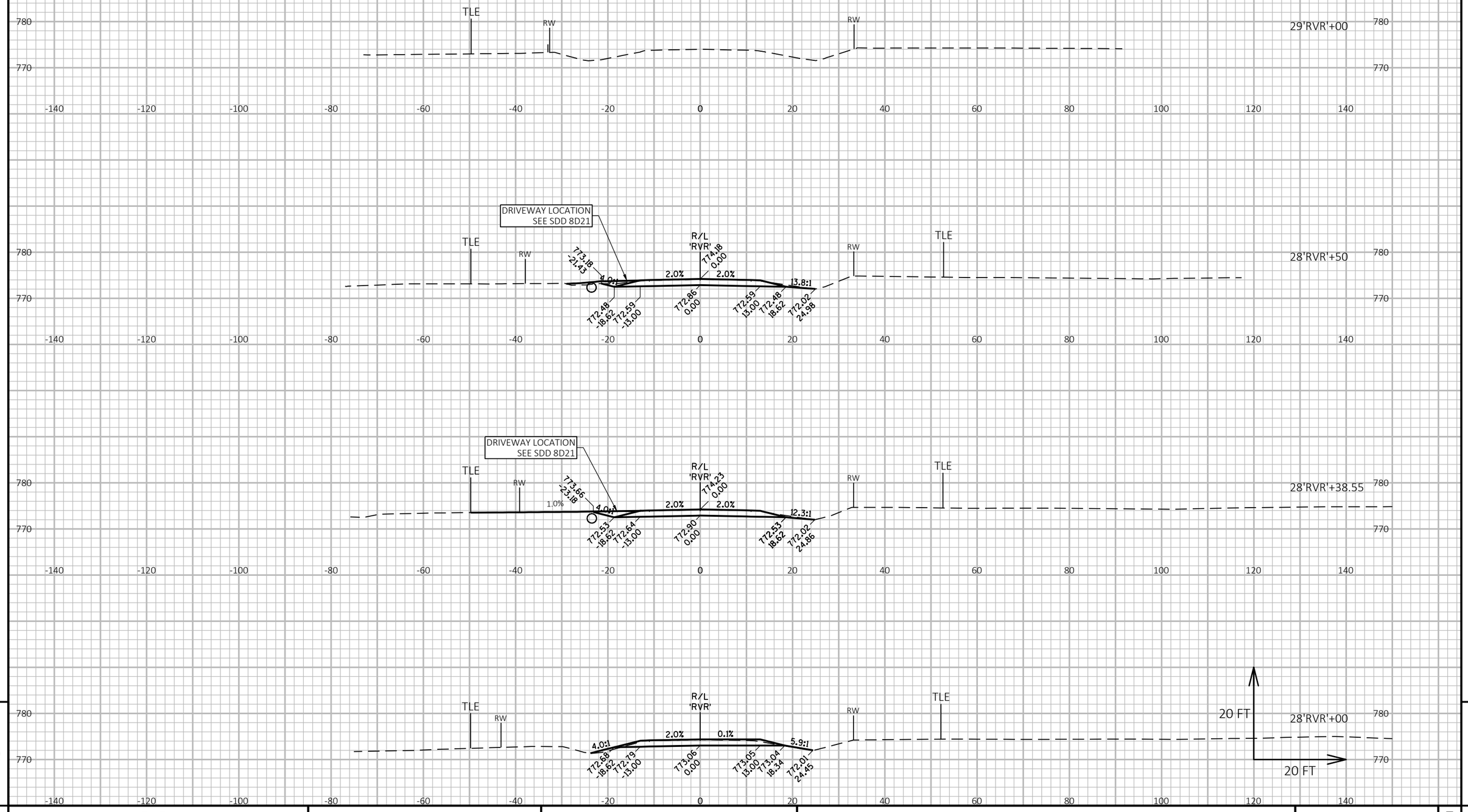
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: RIVER ROAD	SHEET 671	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090501_XS_(RVR).DWG
LAYOUT NAME - 090505_xs(RVR)

PLOT DATE : 4/10/2023 1:39 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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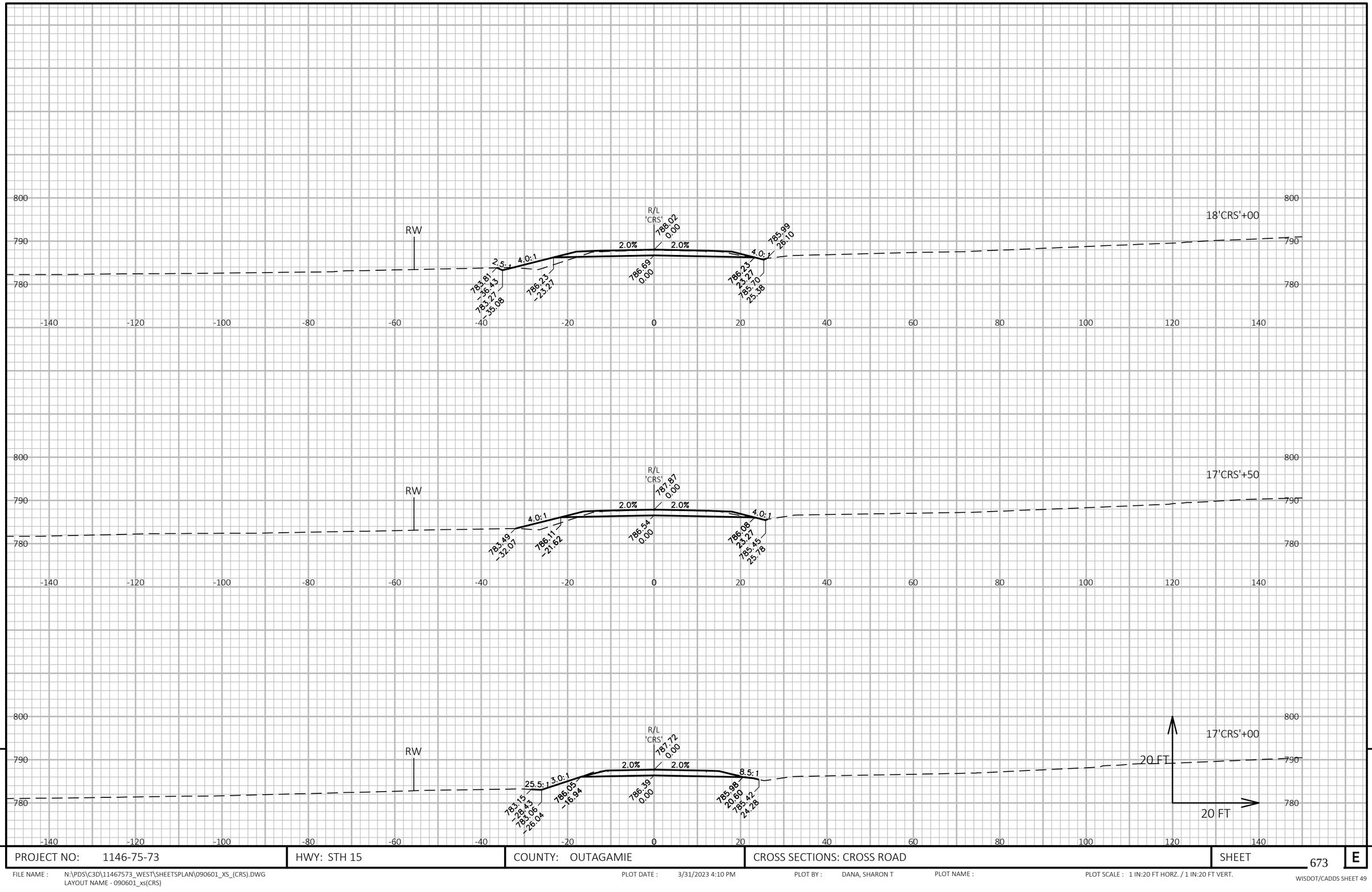
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: RIVER ROAD	SHEET 672	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090501_XS_(RVR).DWG
LAYOUT NAME - 090506_xs(RVR)

PLOT DATE : 4/10/2023 1:39 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: CROSS ROAD	SHEET 673	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090601_XS_(CRS).DWG
LAYOUT NAME - 090601_xs(CRS)

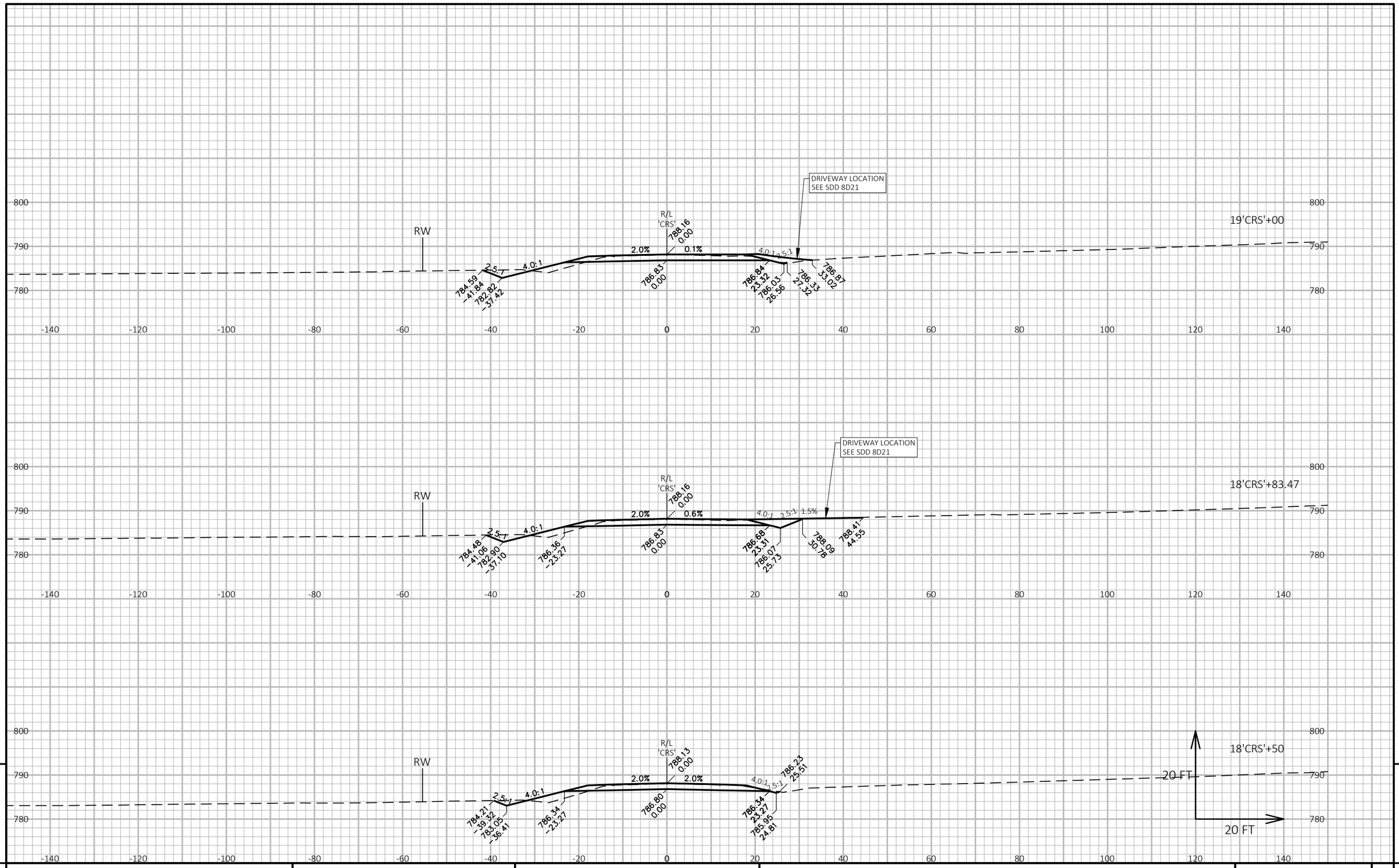
PLOT DATE : 3/31/2023 4:10 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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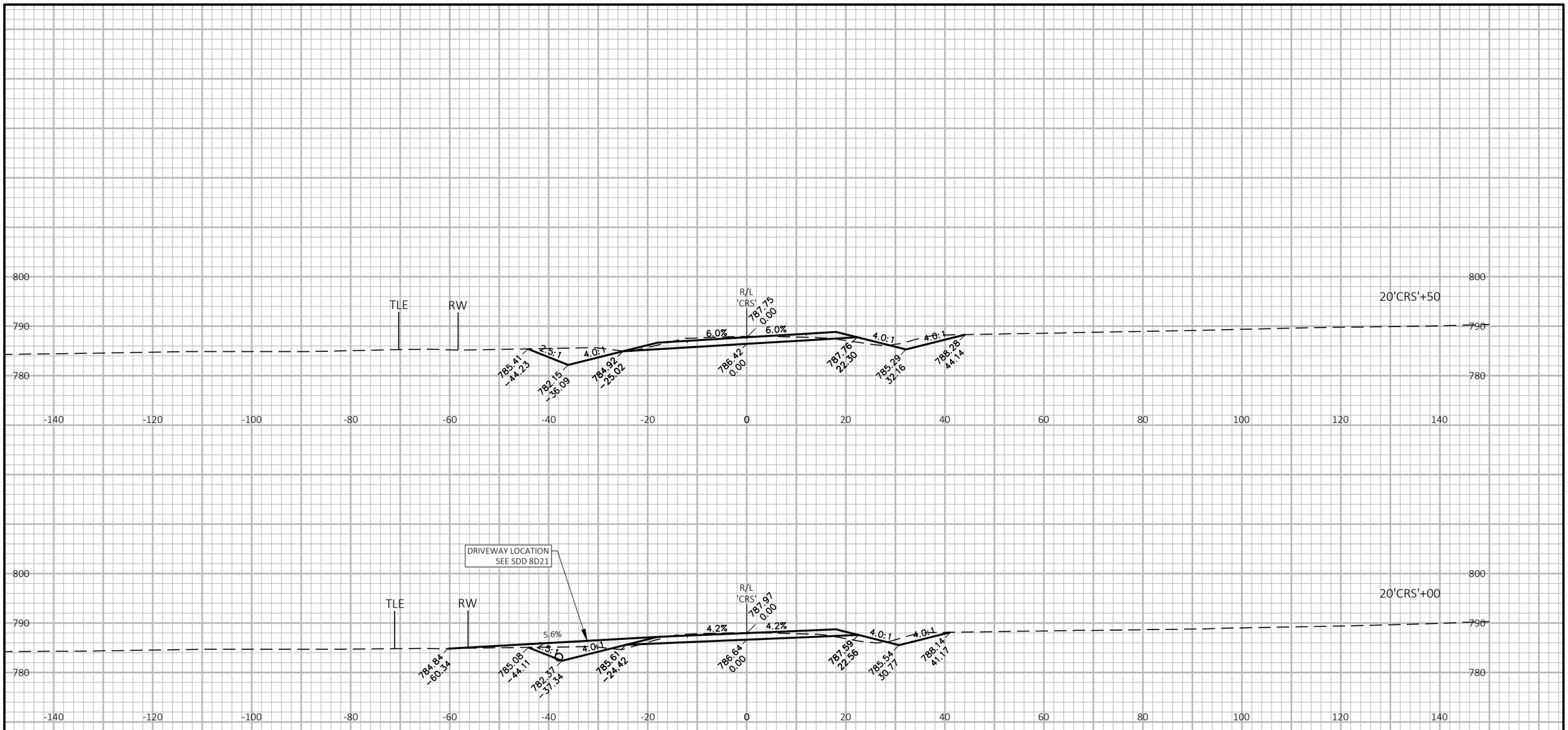
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: CROSS ROAD	SHEET 674	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090601_XS_(CRS).DWG
LAYOUT NAME - 090602_xs(CRS)

PLOT DATE : 3/31/2023 4:11 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

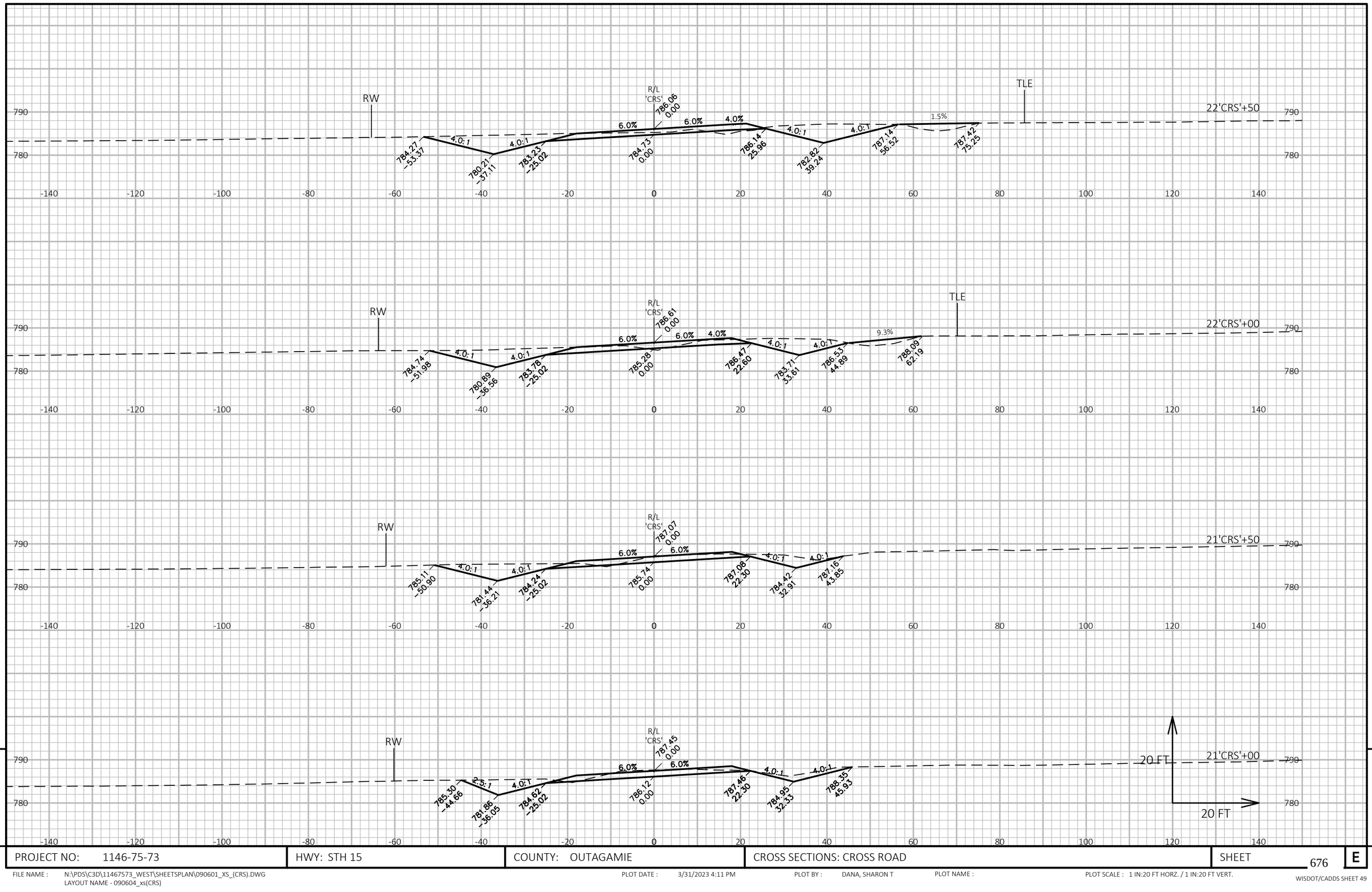


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: CROSS ROAD	SHEET 675	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090601_XS_(CRS).DWG
LAYOUT NAME - 090603_xs(CRS)

PLOT DATE : 3/31/2023 4:11 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: CROSS ROAD	SHEET 676	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090601_XS_(CRS).DWG
LAYOUT NAME - 090604_xs(CRS)

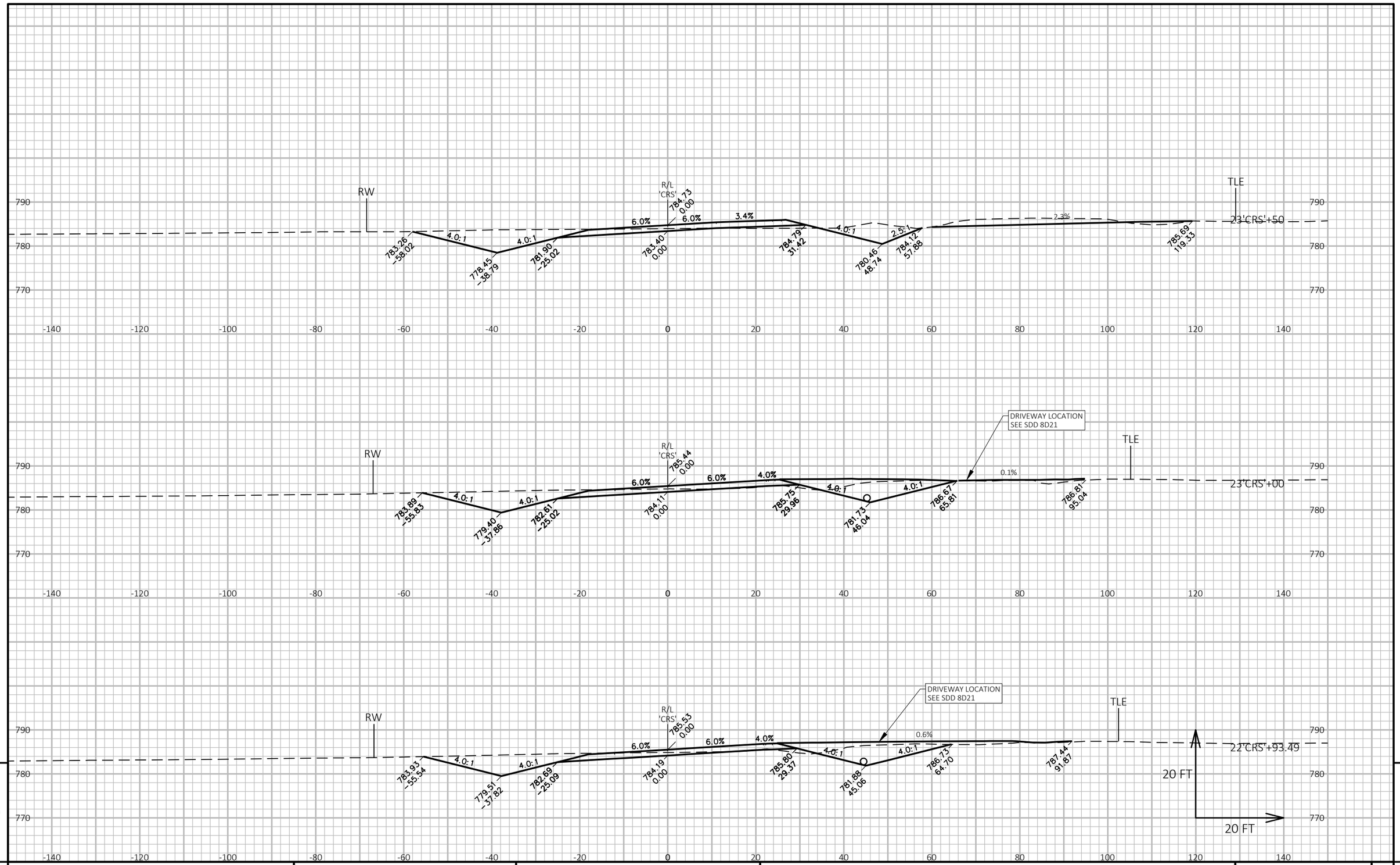
PLOT DATE : 3/31/2023 4:11 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: CROSS ROAD	SHEET 677	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090601_XS_(CRS).DWG
LAYOUT NAME - 090605_xs(CRS)

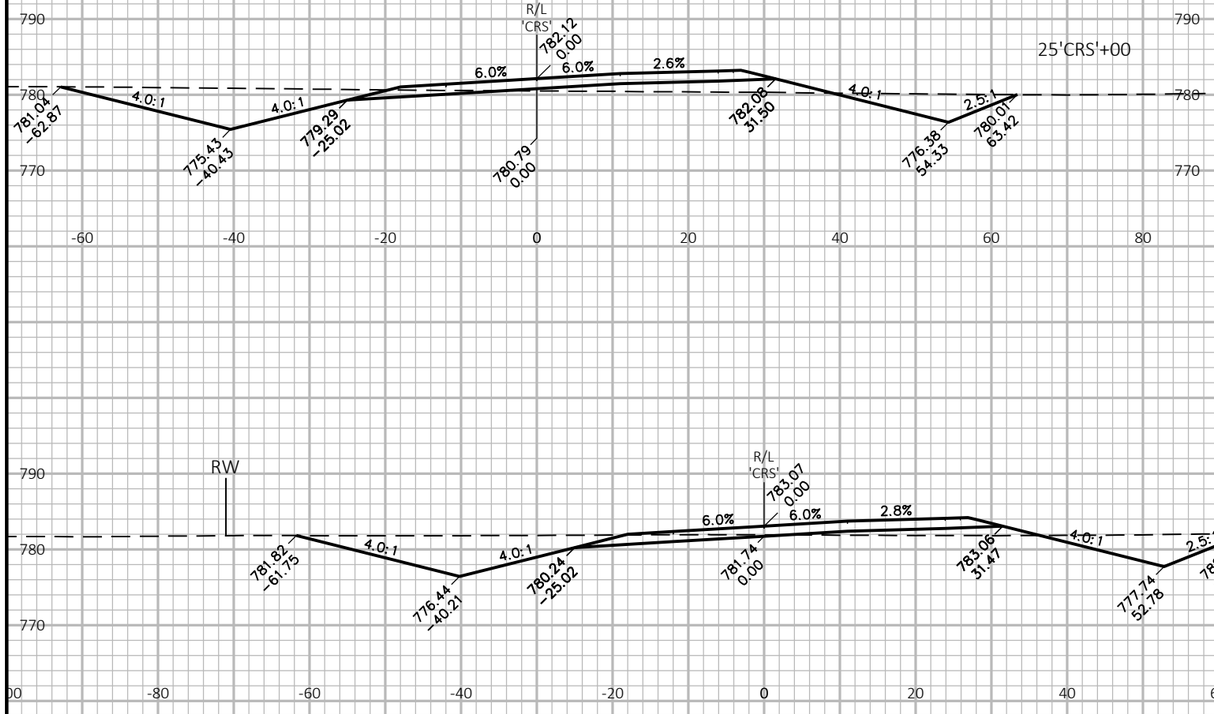
PLOT DATE : 3/31/2023 4:11 PM

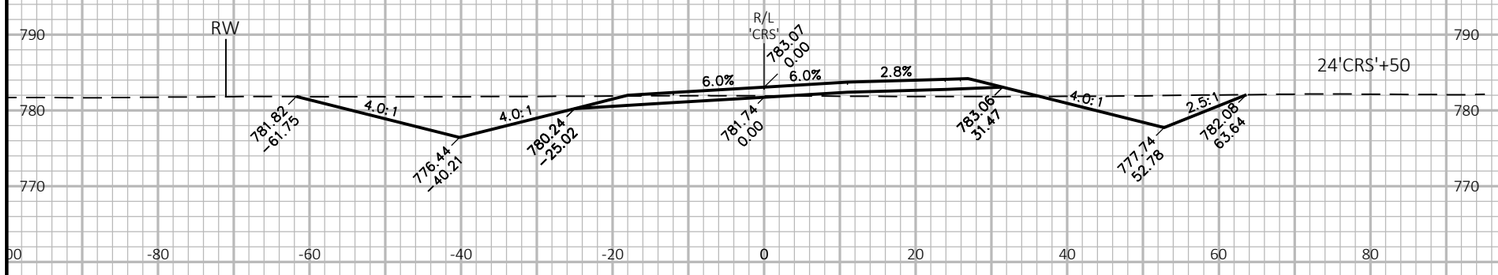
PLOT BY : DANA, SHARON T

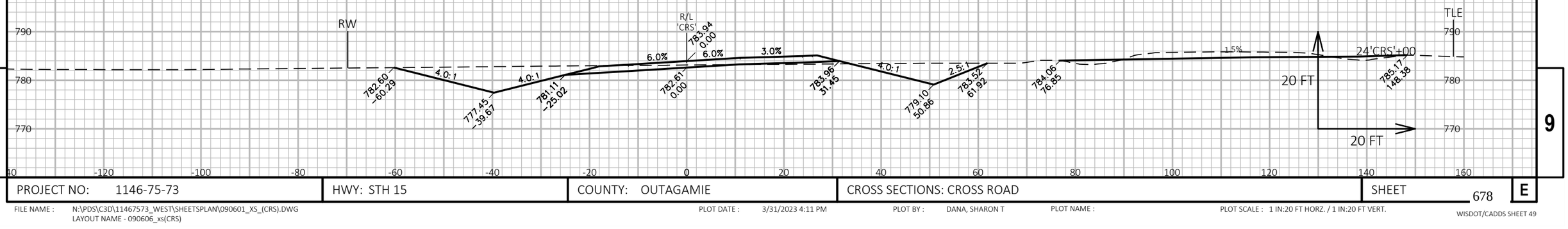
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: CROSS ROAD	SHEET 678	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090601_XS_(CRS).DWG
LAYOUT NAME - 090606_xs(CRS)

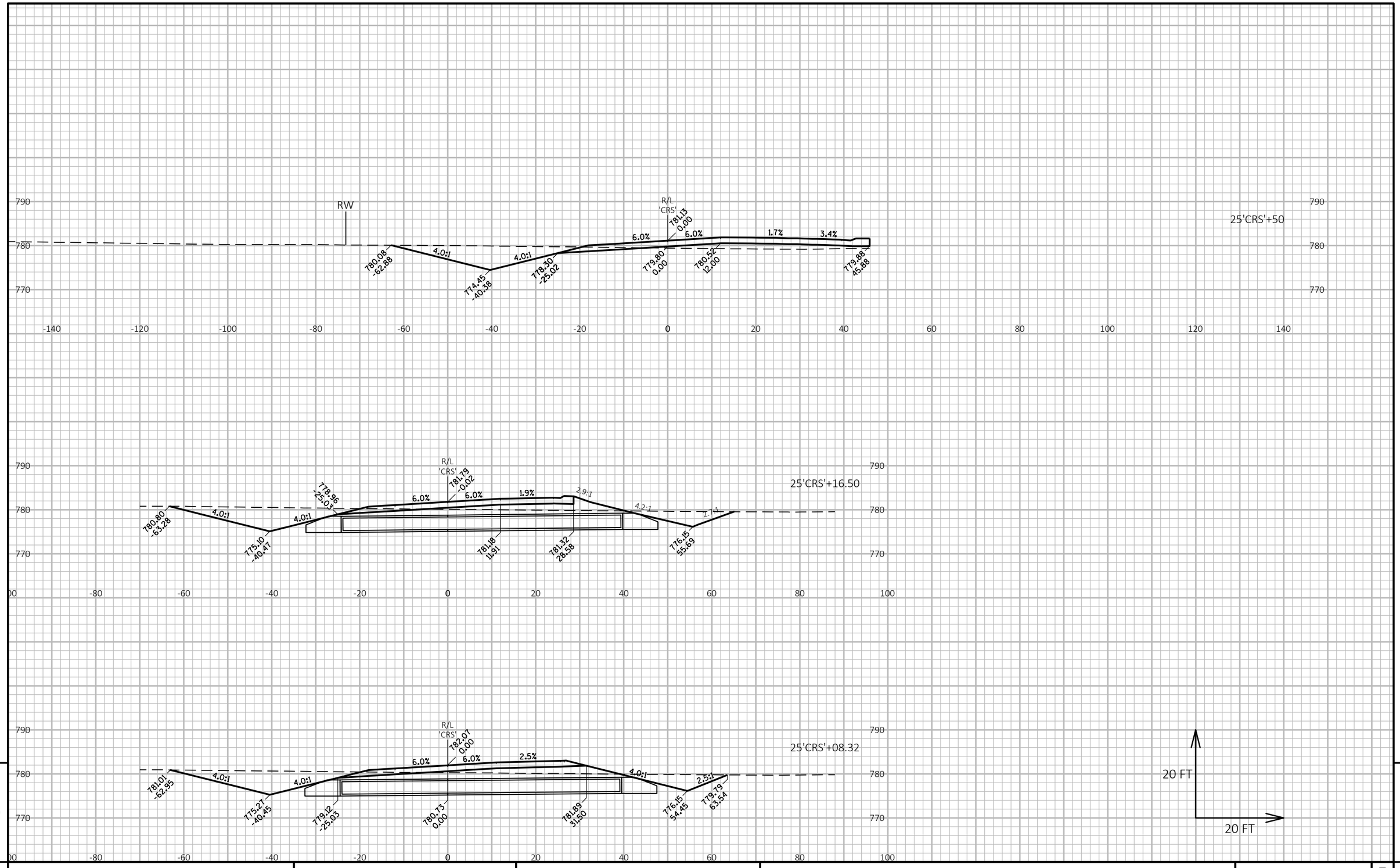
PLOT DATE : 3/31/2023 4:11 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

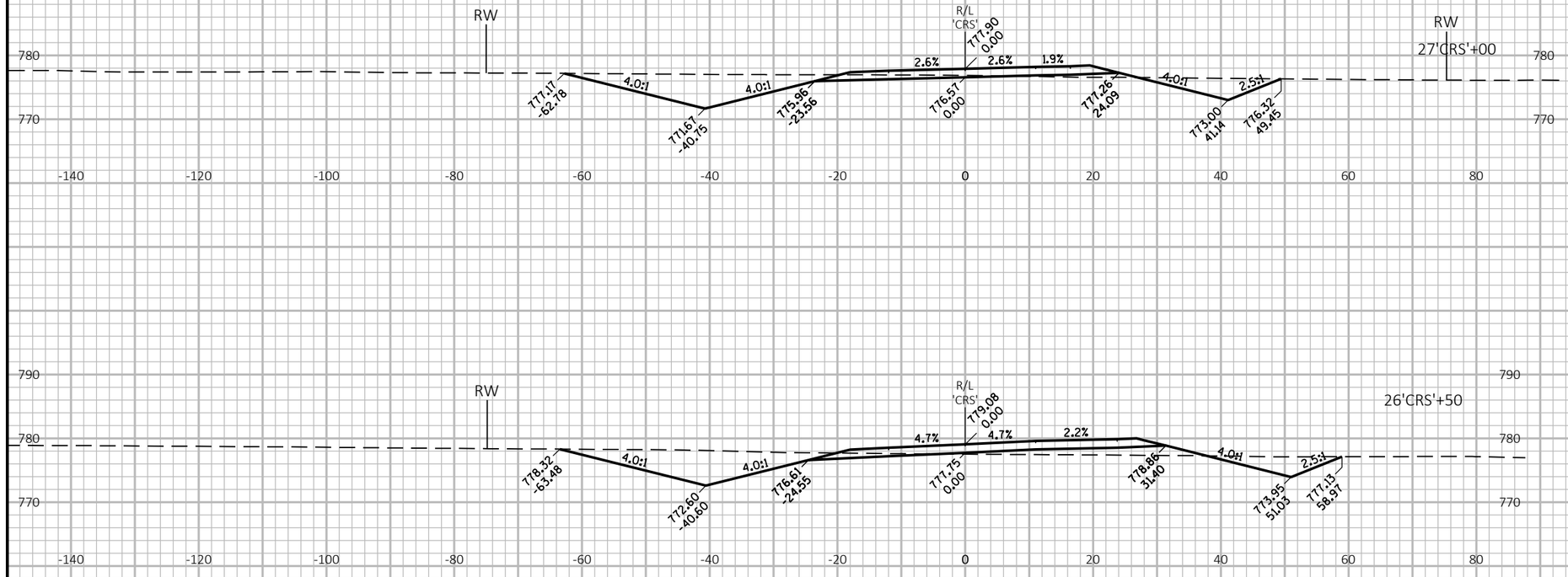


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: CROSS ROAD	SHEET 679	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090601_XS_(CRS).DWG
LAYOUT NAME - 090607_xs(CRS)

PLOT DATE : 4/27/2023 1:55 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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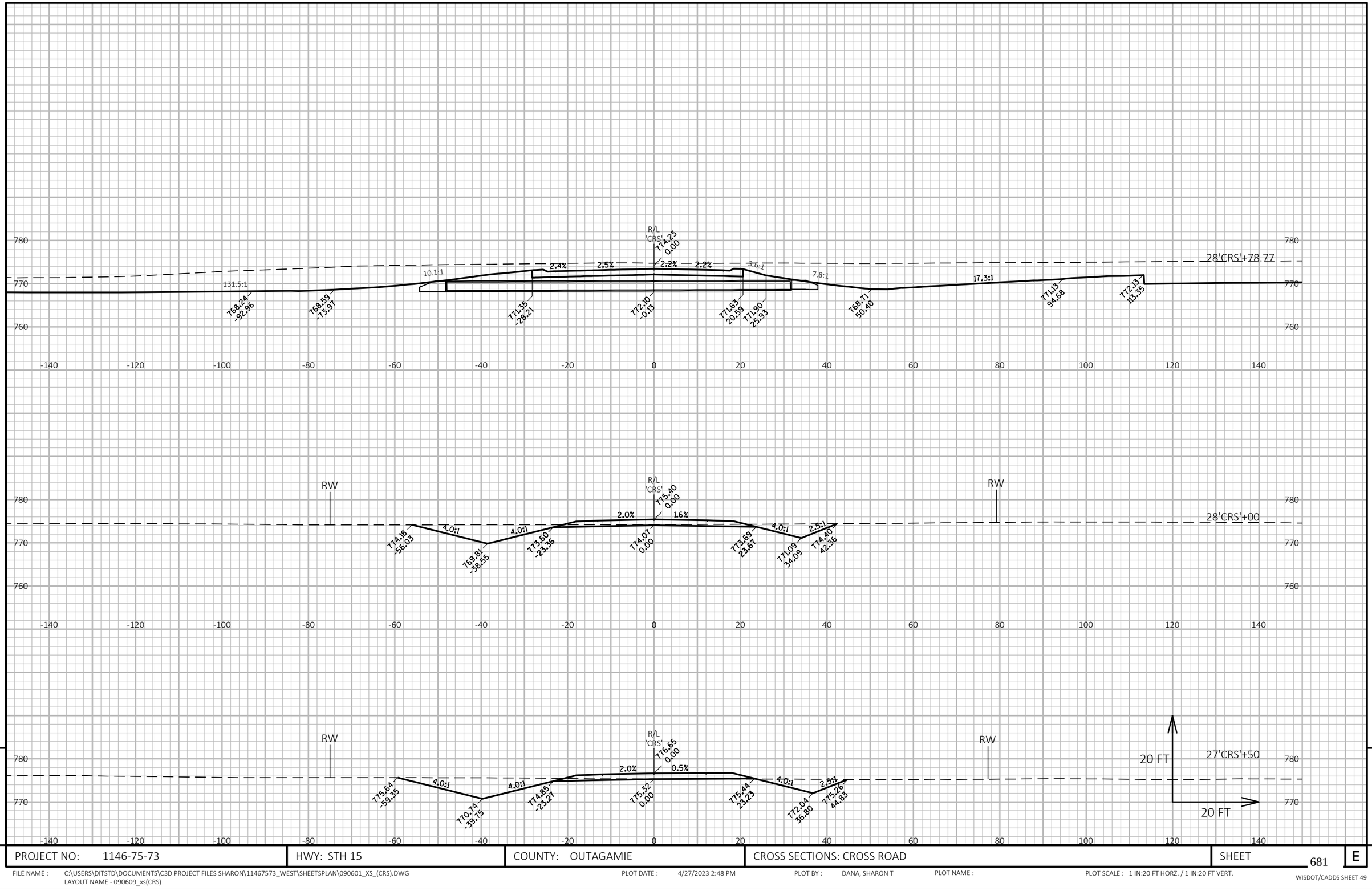
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: CROSS ROAD	SHEET 680	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090601_XS_(CRS).DWG
LAYOUT NAME - 090608_xs(CRS)

PLOT DATE : 4/27/2023 2:06 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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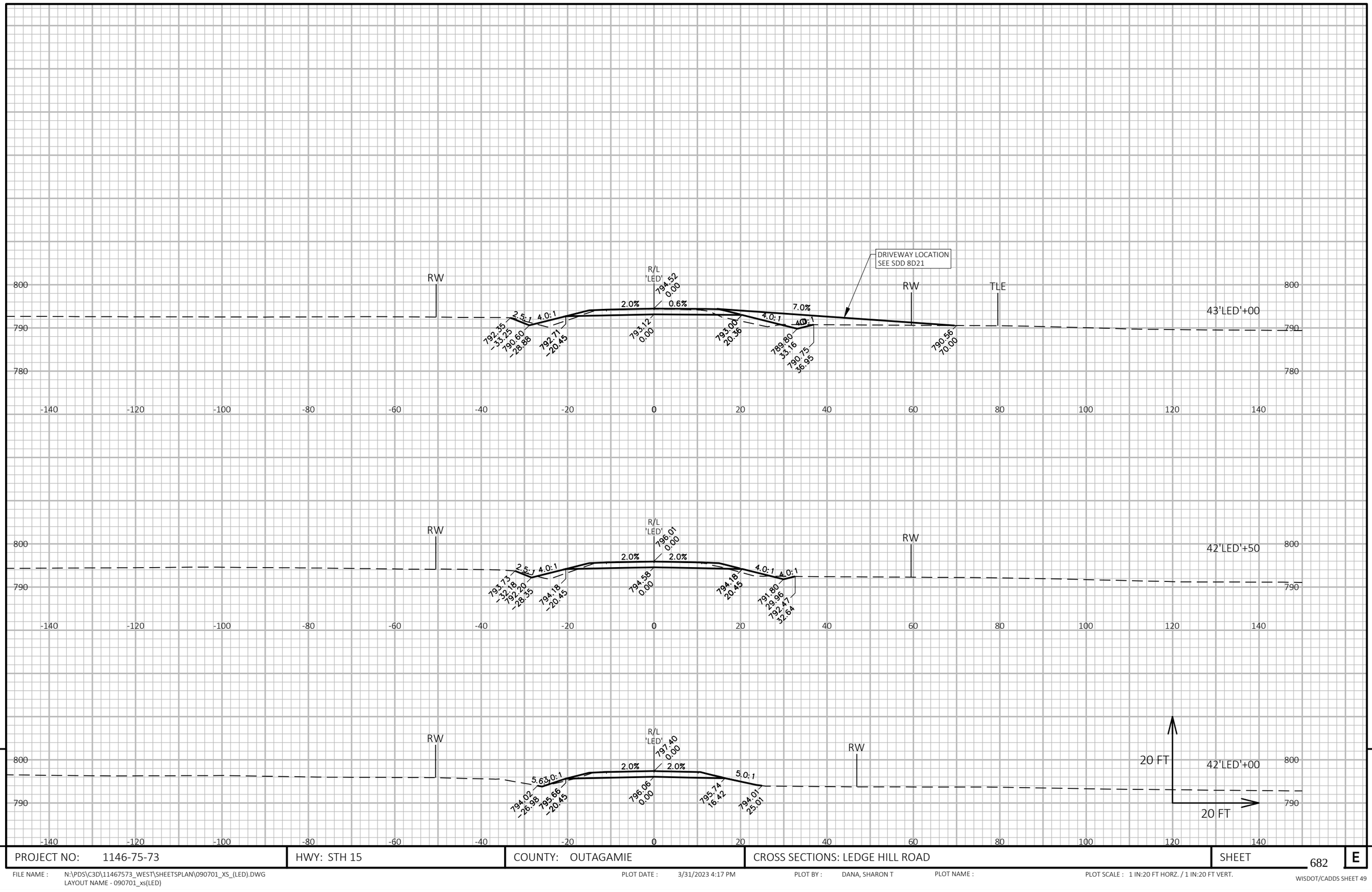
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: CROSS ROAD	SHEET 681	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090601_XS_(CRS).DWG
LAYOUT NAME - 090609_xs(CRS)

PLOT DATE : 4/27/2023 2:48 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: LEDGE HILL ROAD	SHEET 682	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090701_XS_(LED).DWG
LAYOUT NAME - 090701_xs(LED)

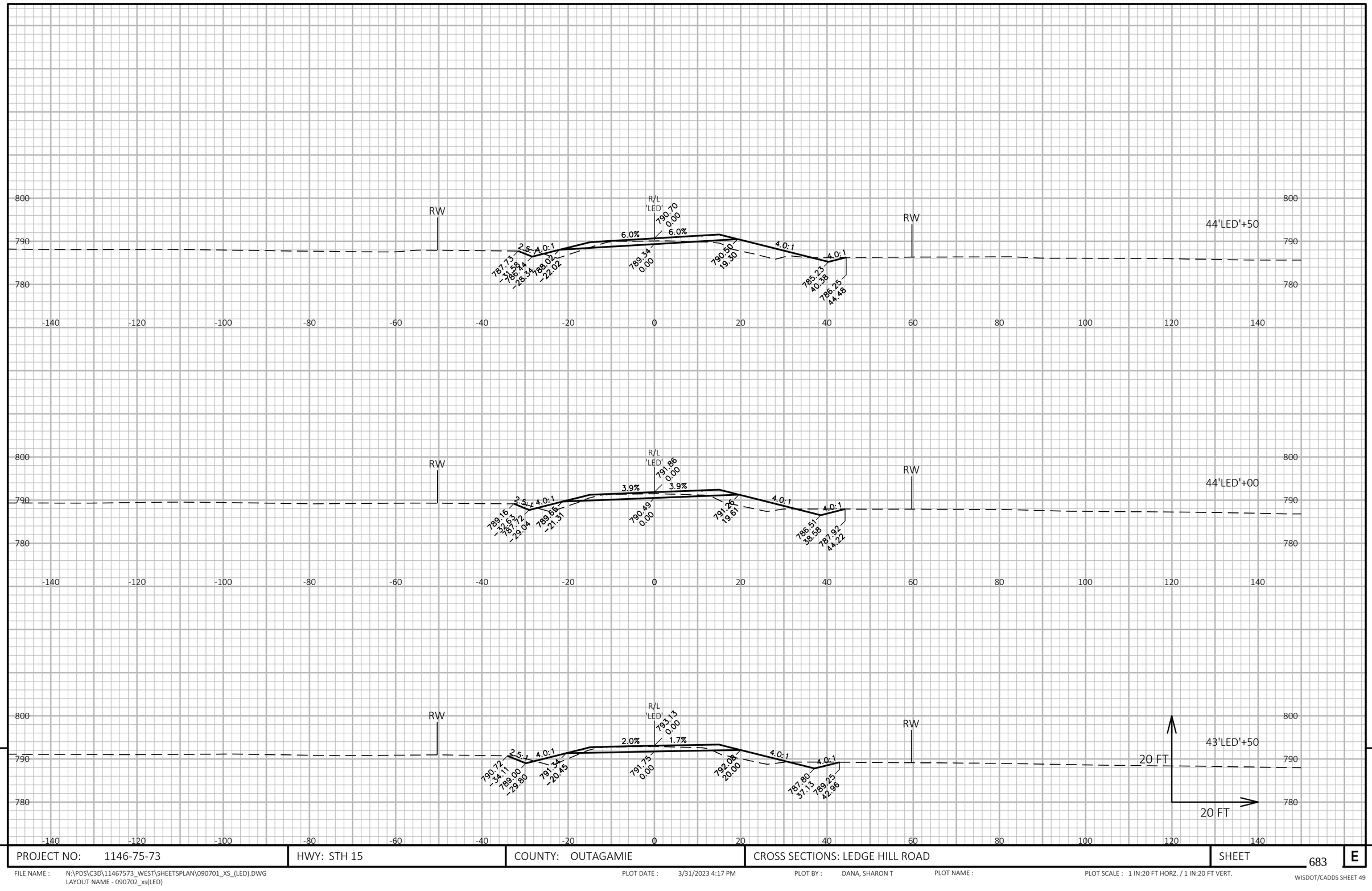
PLOT DATE : 3/31/2023 4:17 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: LEDGE HILL ROAD	SHEET 683 E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090701_XS_(LED).DWG
LAYOUT NAME - 090702_xs(LED)

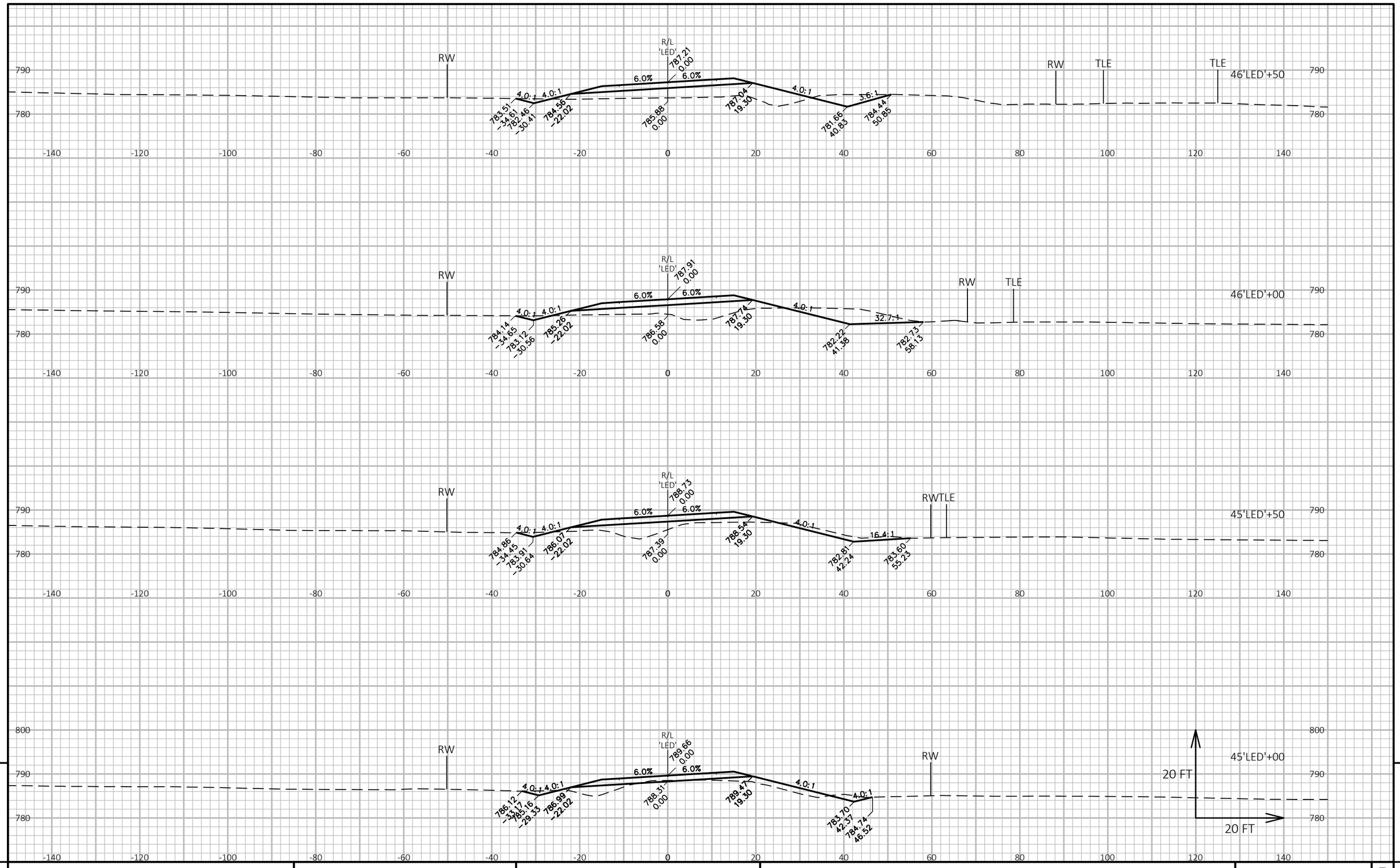
PLOT DATE : 3/31/2023 4:17 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: LEDGE HILL ROAD	SHEET 684	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090701_XS_(LED).DWG
LAYOUT NAME - 090703_xs(LED)

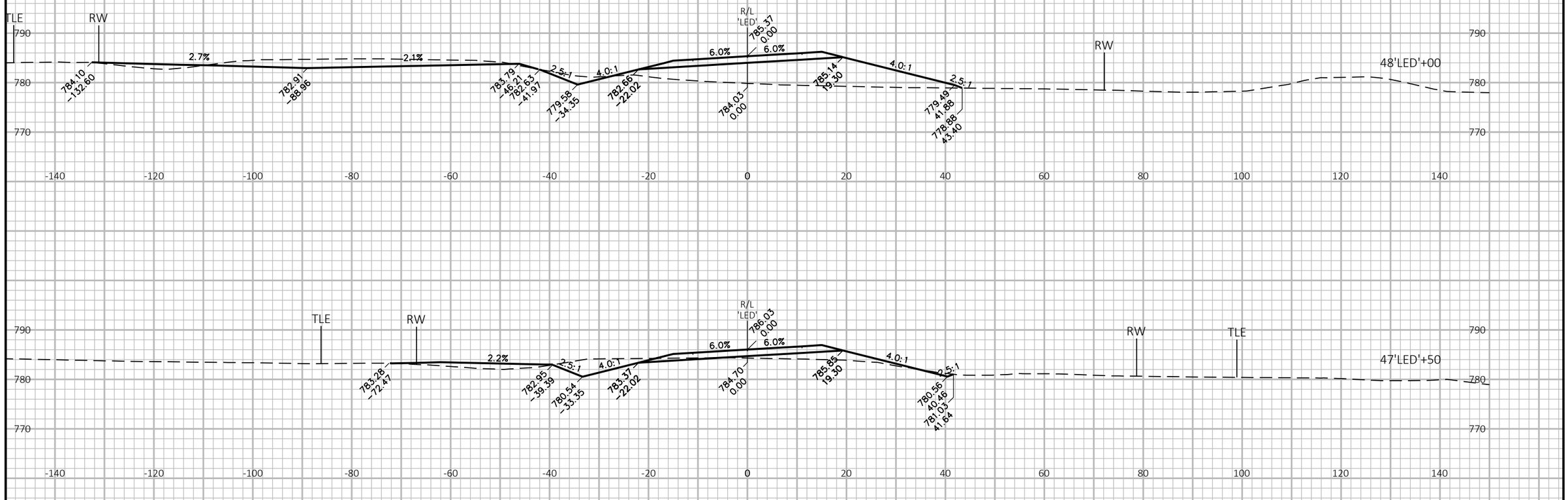
PLOT DATE : 3/31/2023 4:17 PM

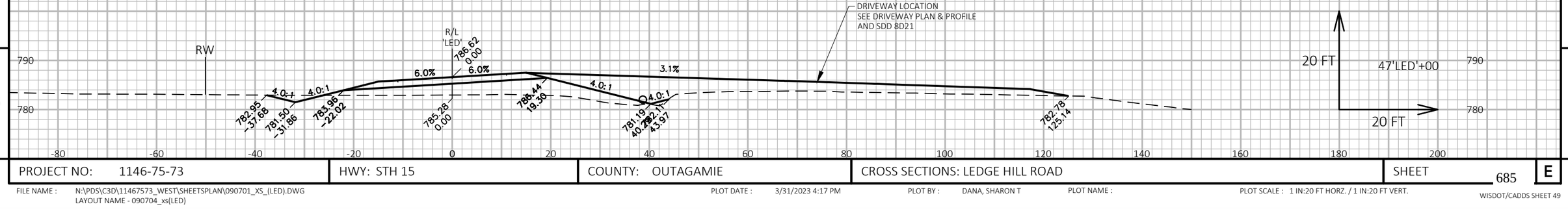
PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: LEDGE HILL ROAD	SHEET 685	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090701_XS_(LED).DWG
LAYOUT NAME - 090704_xs(LED)

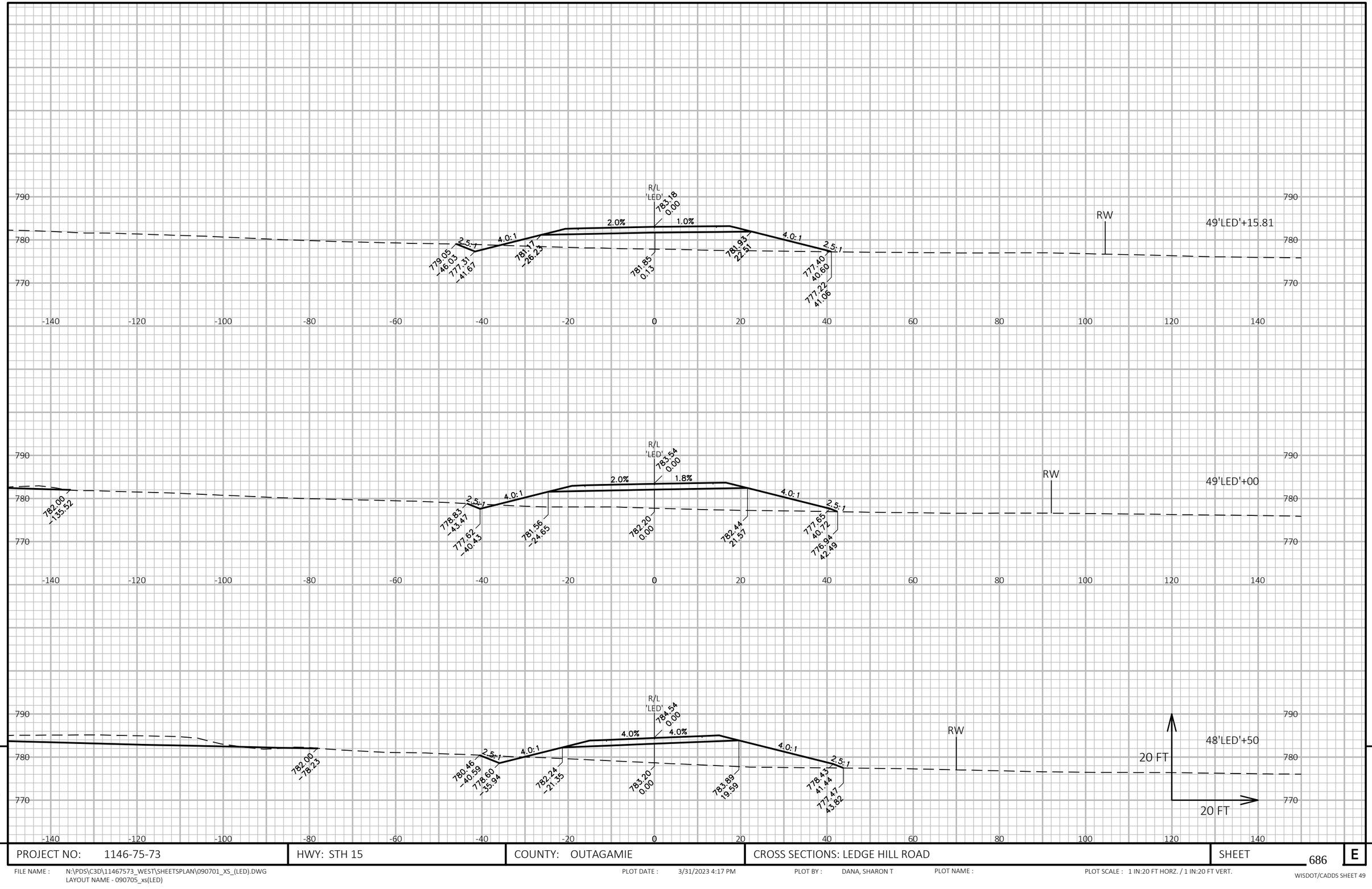
PLOT DATE : 3/31/2023 4:17 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: LEDGE HILL ROAD	SHEET 686	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090701_XS_(LED).DWG
LAYOUT NAME - 090705_xs(LED)

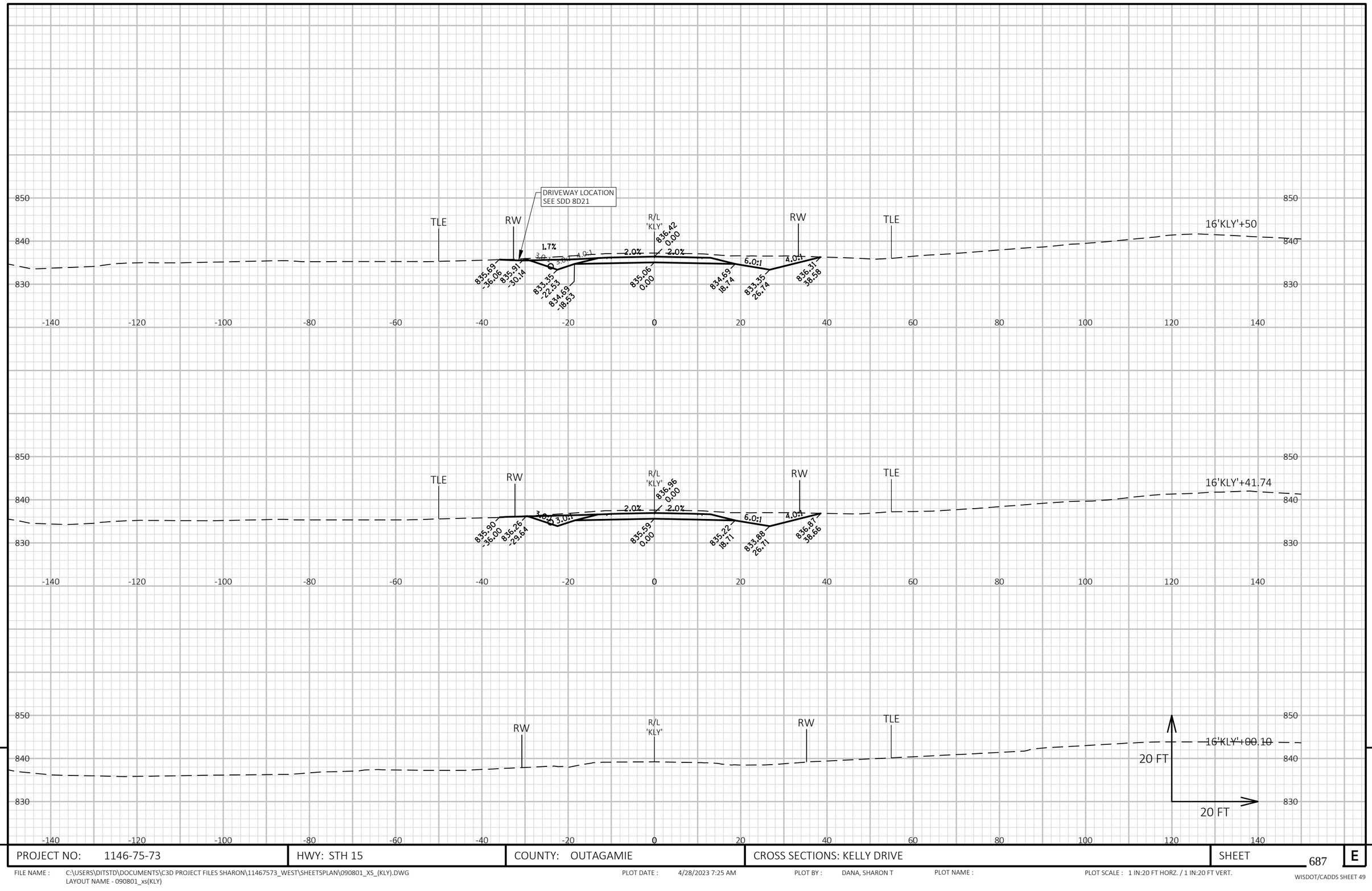
PLOT DATE : 3/31/2023 4:17 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



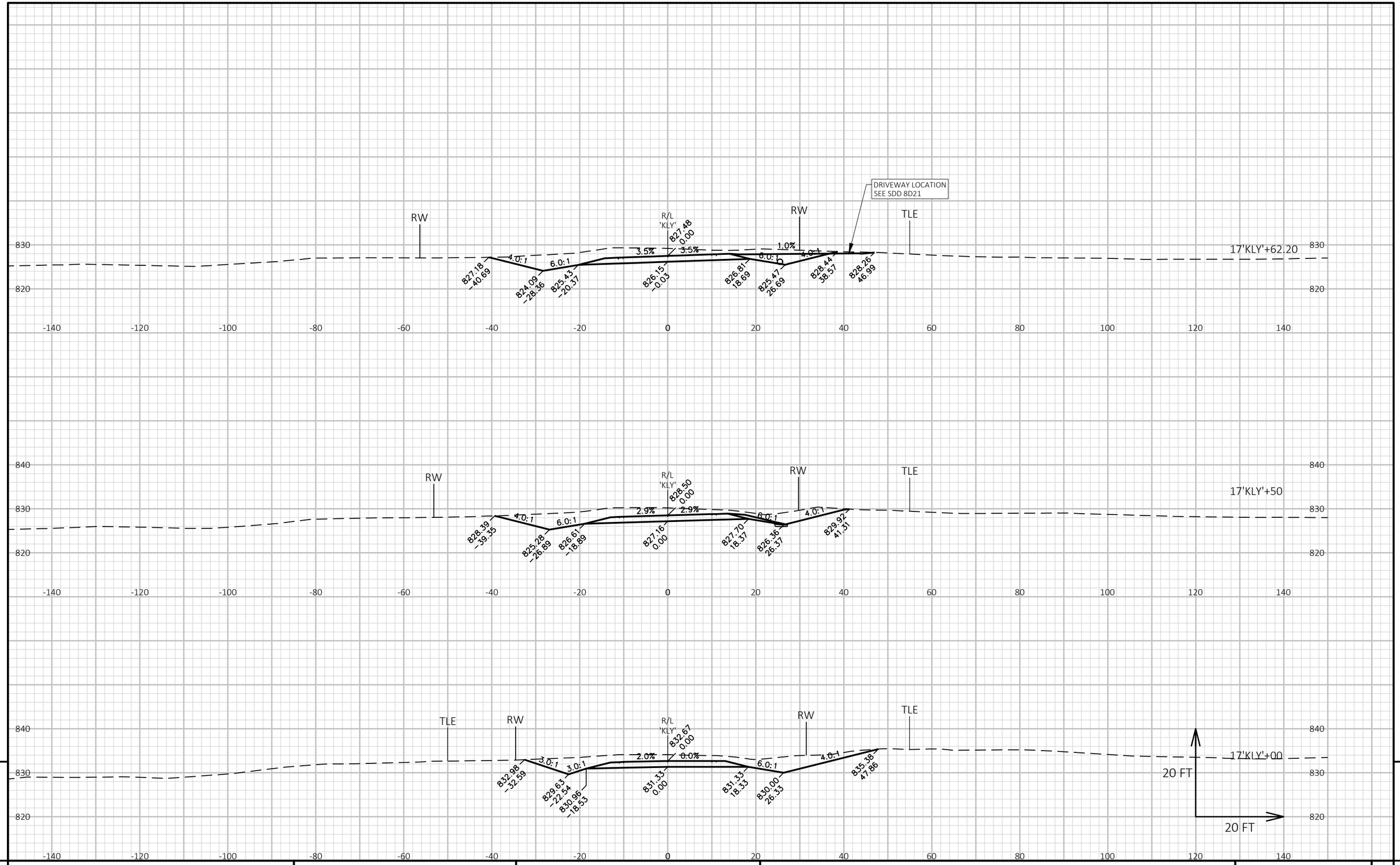
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: KELLY DRIVE	SHEET 687 E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090801_XS_(KLY).DWG
LAYOUT NAME - 090801_xs(KLY)

PLOT DATE : 4/28/2023 7:25 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9



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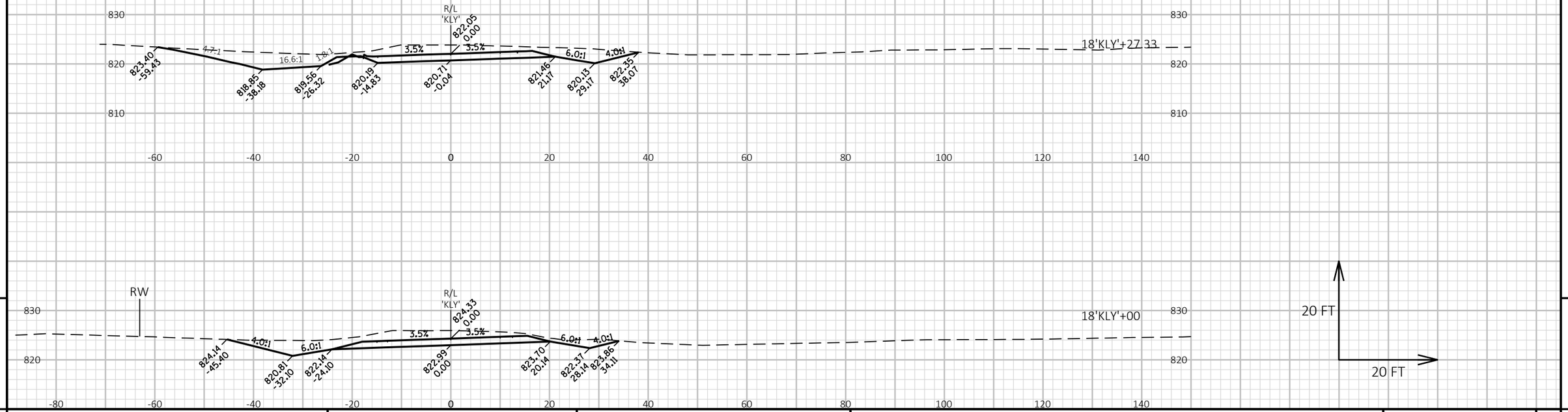
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: KELLY DRIVE	SHEET 688	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090801_XS_(KLY).DWG
LAYOUT NAME - 090802_xs(KLY)

PLOT DATE : 3/31/2023 4:25 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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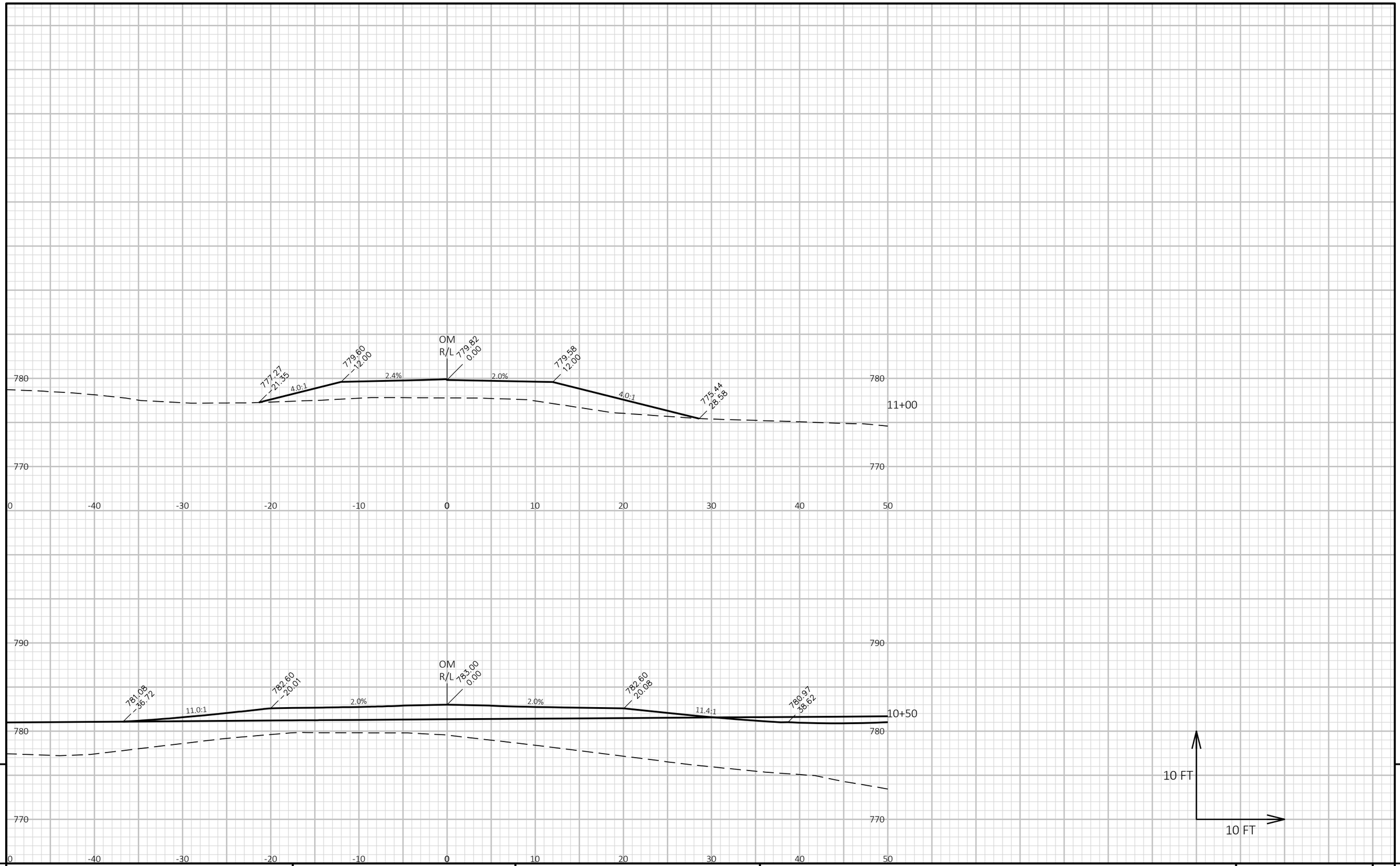
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: KELLY DRIVE	SHEET 689	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090801_XS_(KLY).DWG
LAYOUT NAME - 090803_xs(KLY)

PLOT DATE : 4/28/2023 7:26 AM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: OBERSTADT DWY	SHEET 690	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090902_XS_(DWY).DWG
LAYOUT NAME - 090902_xs_(DWY)1

PLOT DATE : 3/31/2023 4:26 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

790
780
770
0
-40
-30
-20
-10
0
10
20
30
40
50

777.92
11.78
777.69
8.97
0.6%
OM
R/L
777.64
0.00
777.44
9.87
11+64

790
780
770
0
-40
-30
-20
-10
0
10
20
30
40
50

777.64
9.72
2.1%
OM
R/L
777.85
0.00
1.9%
777.66
9.56
4.0:1
777.61
9.84
777.31
10.98
11+50

10 FT
10 FT

9

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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: OBERSTADT DWY	SHEET 691	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090902_XS_(DWY).DWG
LAYOUT NAME - 090902_xs_(DWY)2

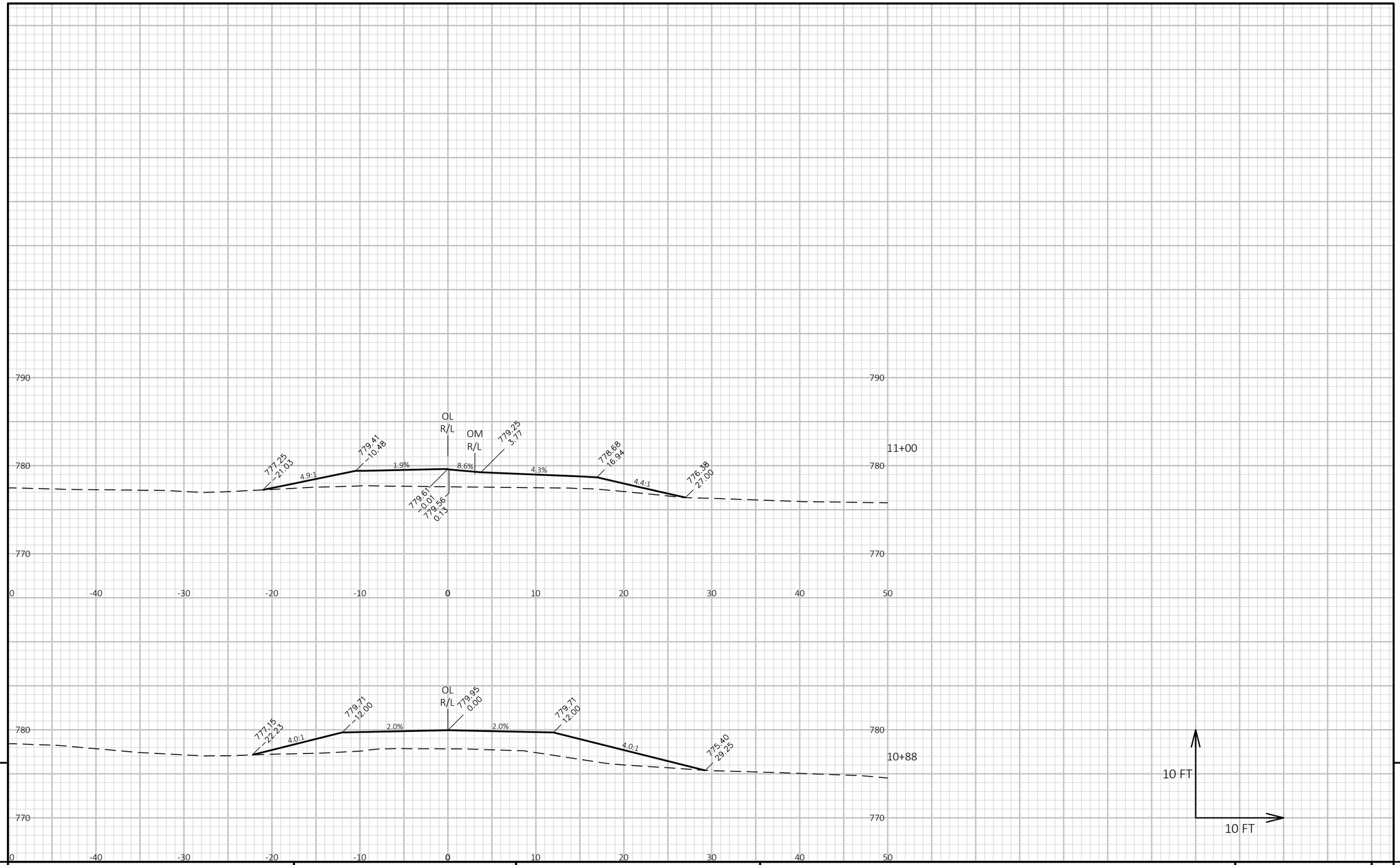
PLOT DATE : 3/31/2023 4:26 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: OBERSTADT DWY	SHEET 692	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090902_XS_(DWY).DWG
LAYOUT NAME - 090902_xs_(DWY)4

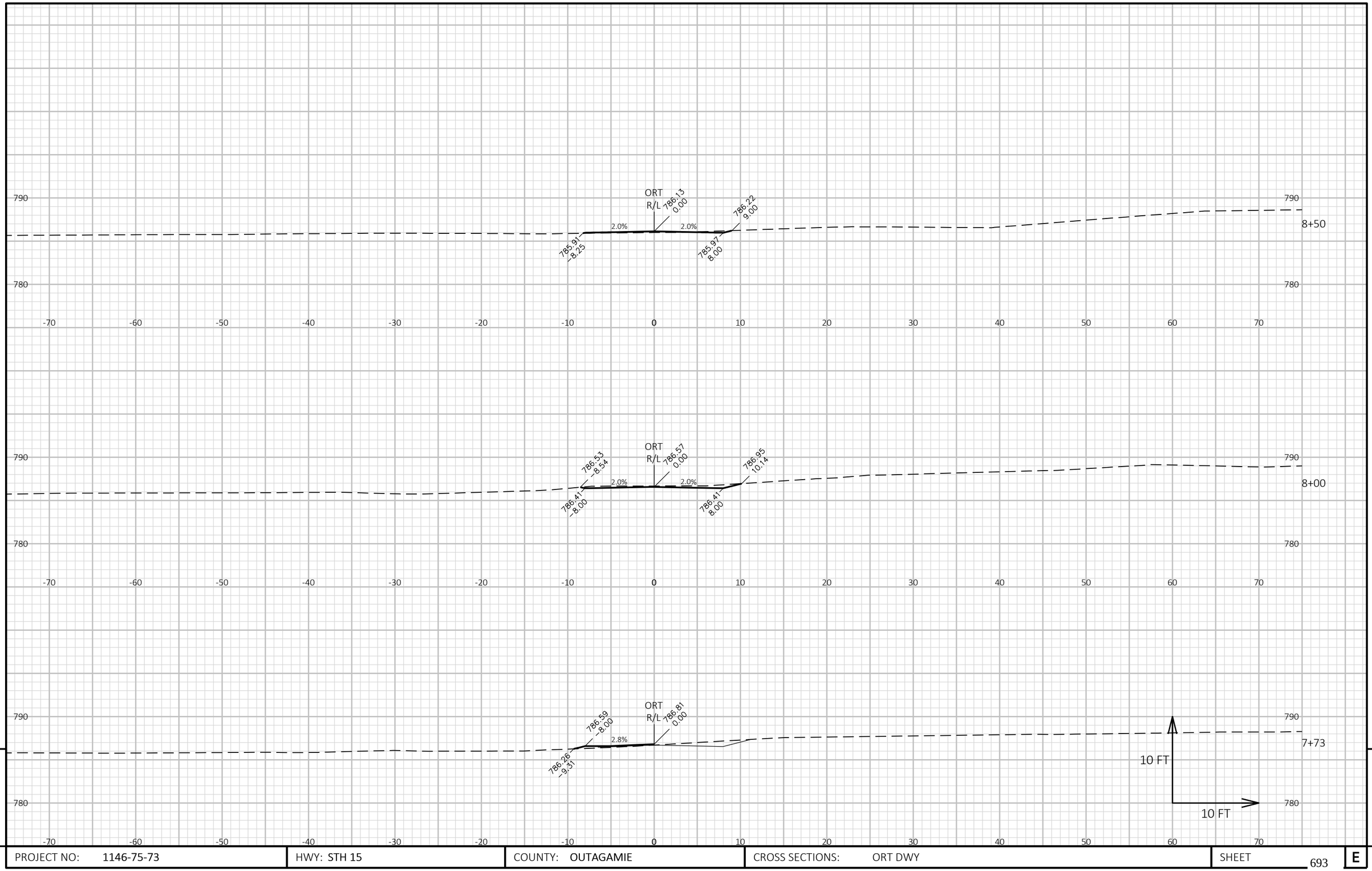
PLOT DATE : 3/31/2023 4:26 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: ORT DWY	SHEET 693	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090903_XS_(DWY).DWG
LAYOUT NAME - 090903_xs_(DWY)1

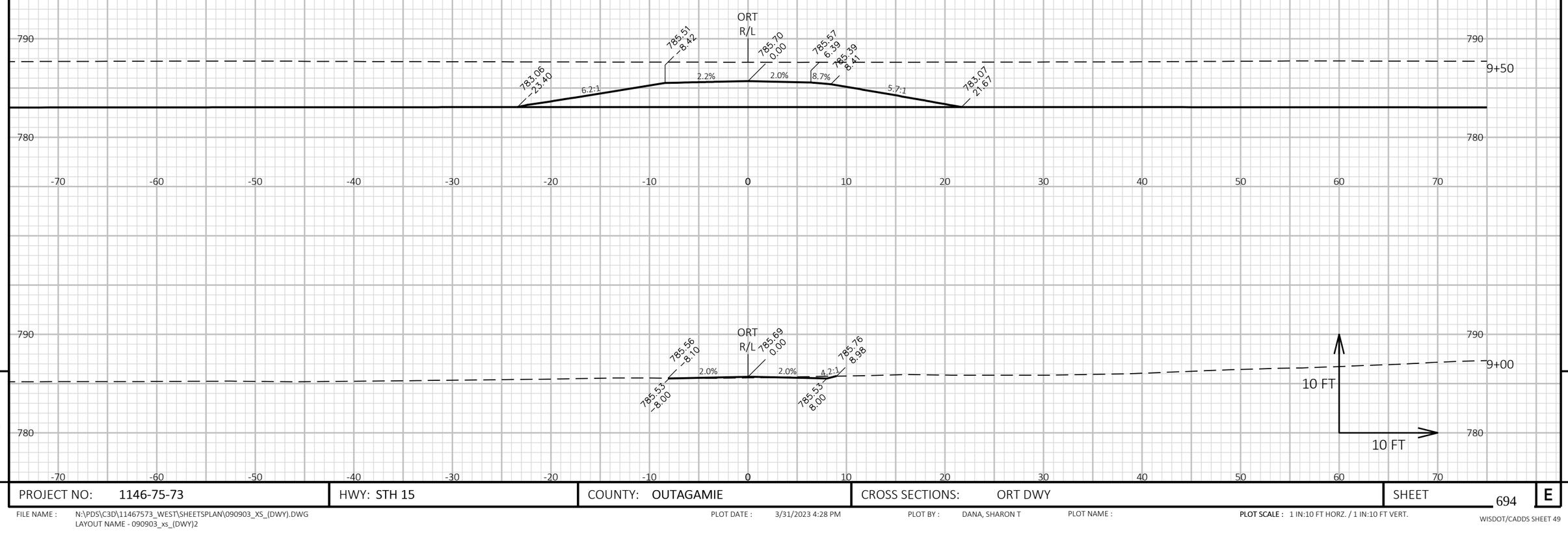
PLOT DATE : 3/31/2023 4:28 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: ORT DWY	SHEET 694	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090903_XS_(DWY).DWG
LAYOUT NAME - 090903_xs_(DWY)2

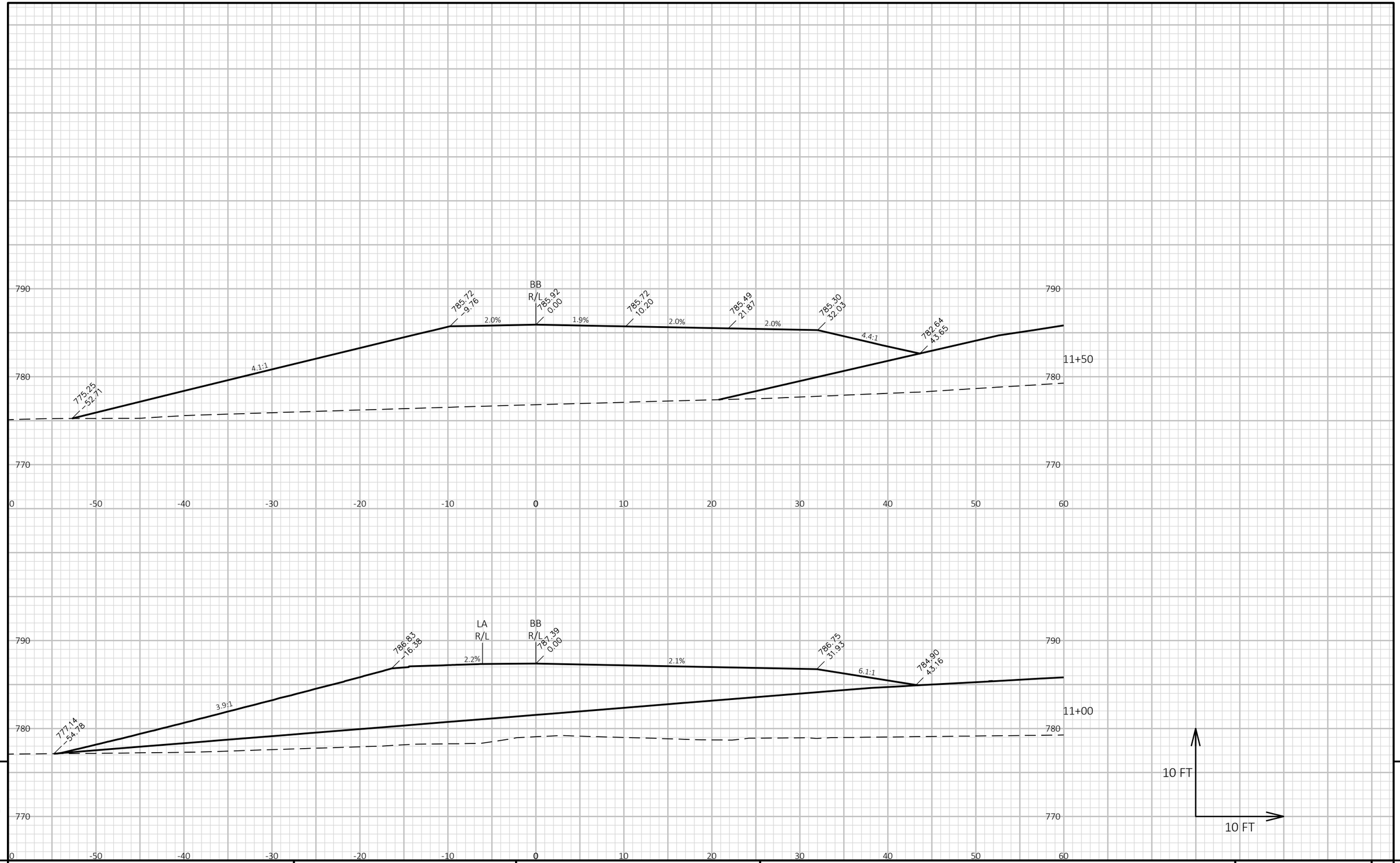
PLOT DATE : 3/31/2023 4:28 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

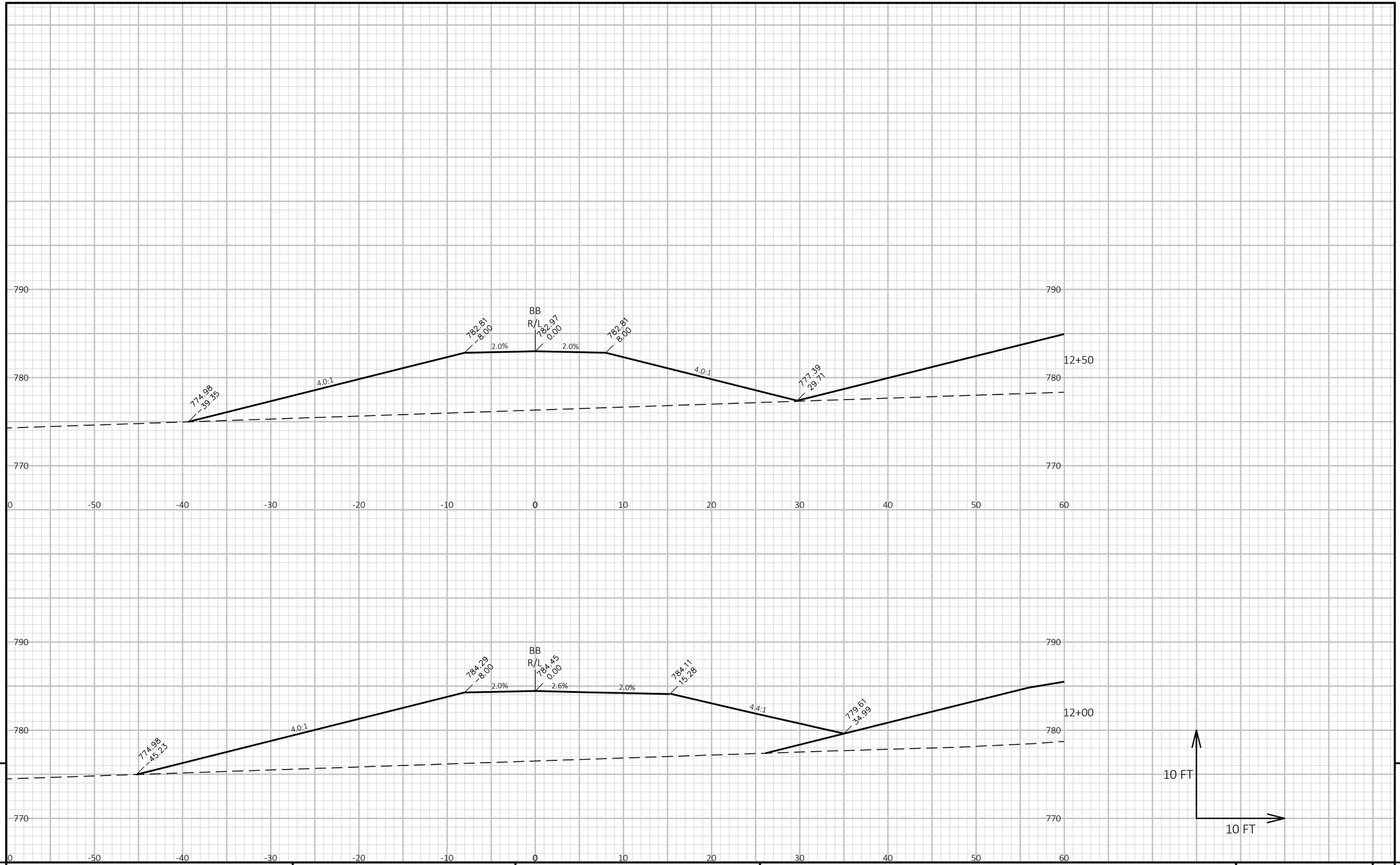


PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WISDOT AND BERNEGGER DWYS	SHEET 695	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090905_XS_(DWY).DWG
LAYOUT NAME - 090905_xs_(DWY)1

PLOT DATE : 3/31/2023 4:30 PM PLOT BY : DANA, SHARON T PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WISDOT AND BERNEGGER DWYS	SHEET 696	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090905_XS_(DWY).DWG
LAYOUT NAME - 090905_xs_(DWY)2

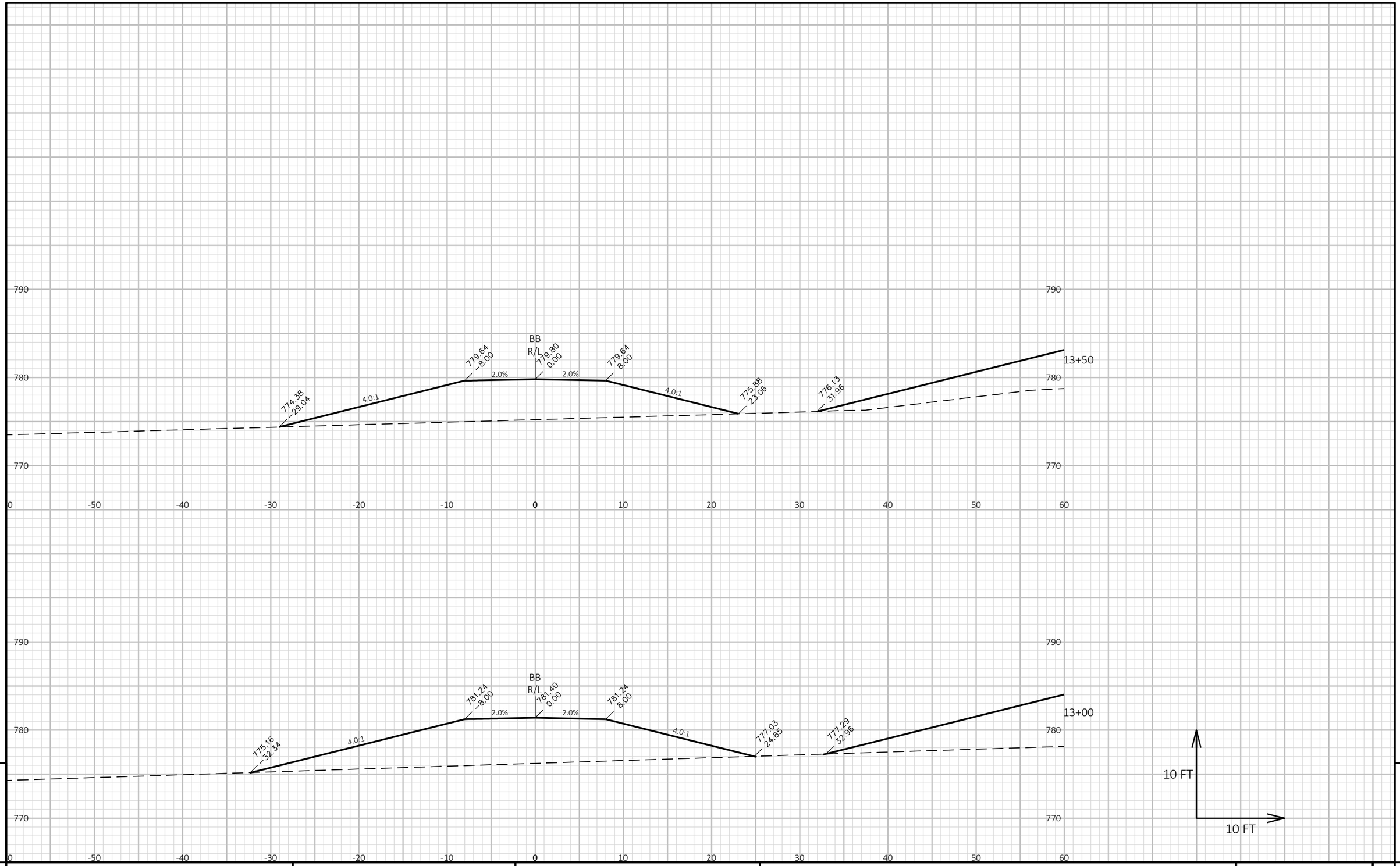
PLOT DATE : 3/31/2023 4:30 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WISDOT AND BERNEGGER DWYS	SHEET 697	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090905_XS_(DWY).DWG
LAYOUT NAME - 090905_xs_(DWY)3

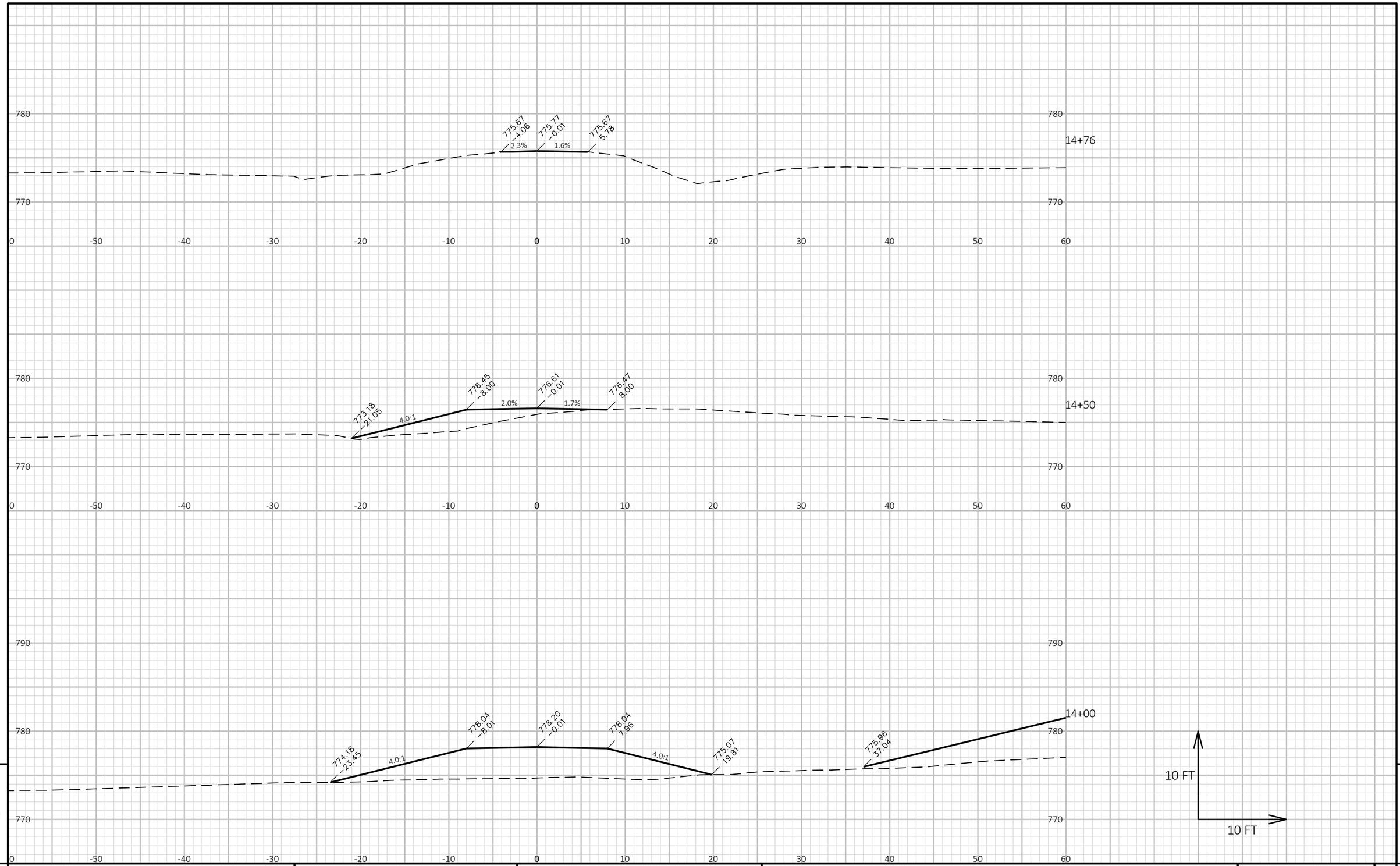
PLOT DATE : 3/31/2023 4:30 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WISDOT AND BERNEGGER DWYS	SHEET 698	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090905_XS_(DWY).DWG
LAYOUT NAME - 090905_xs_(DWY)4

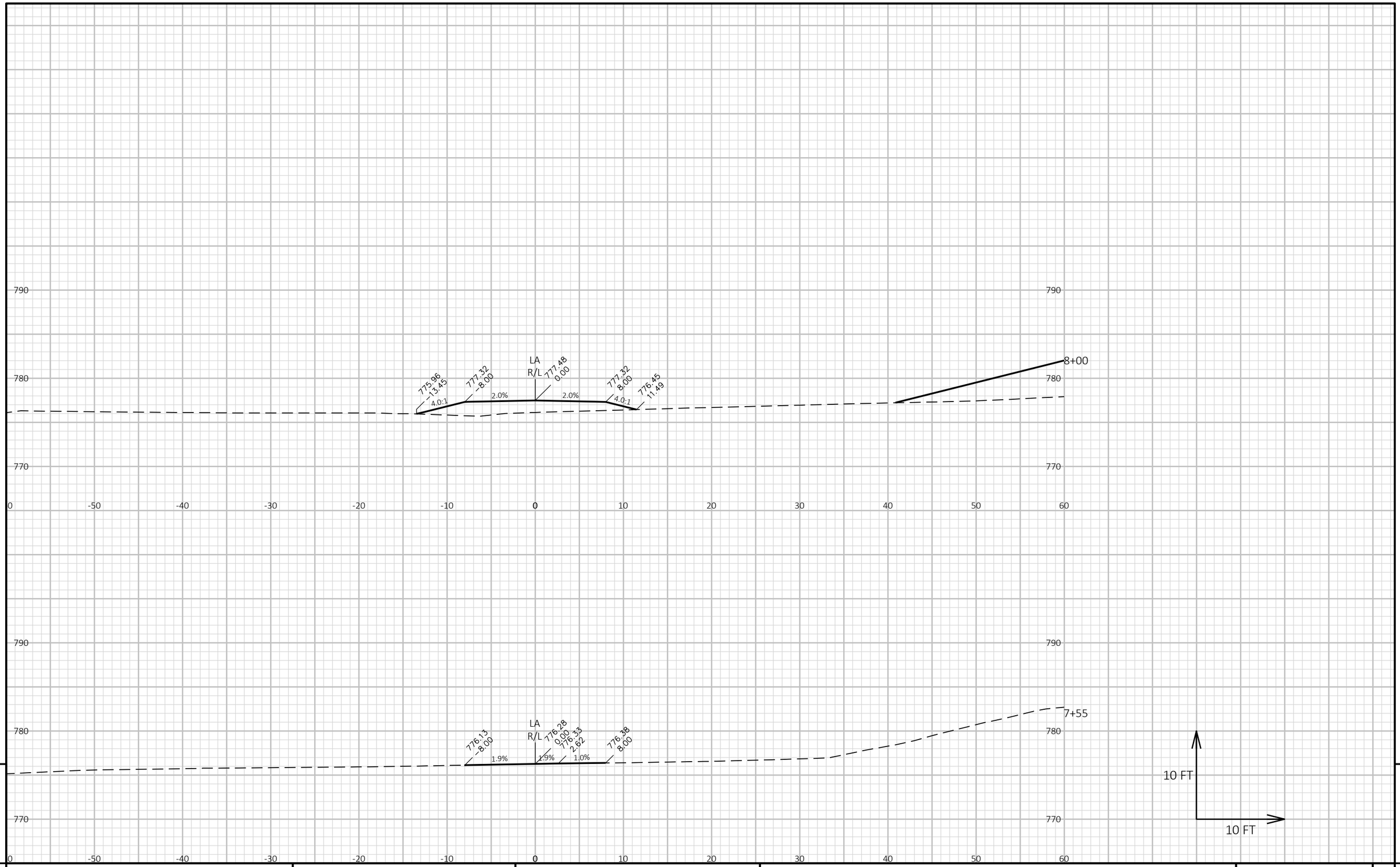
PLOT DATE : 3/31/2023 4:30 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WISDOT AND BERNEGGER DWYS	SHEET 699	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090905_XS_(DWY).DWG
LAYOUT NAME - 090905_xs_(DWY)5

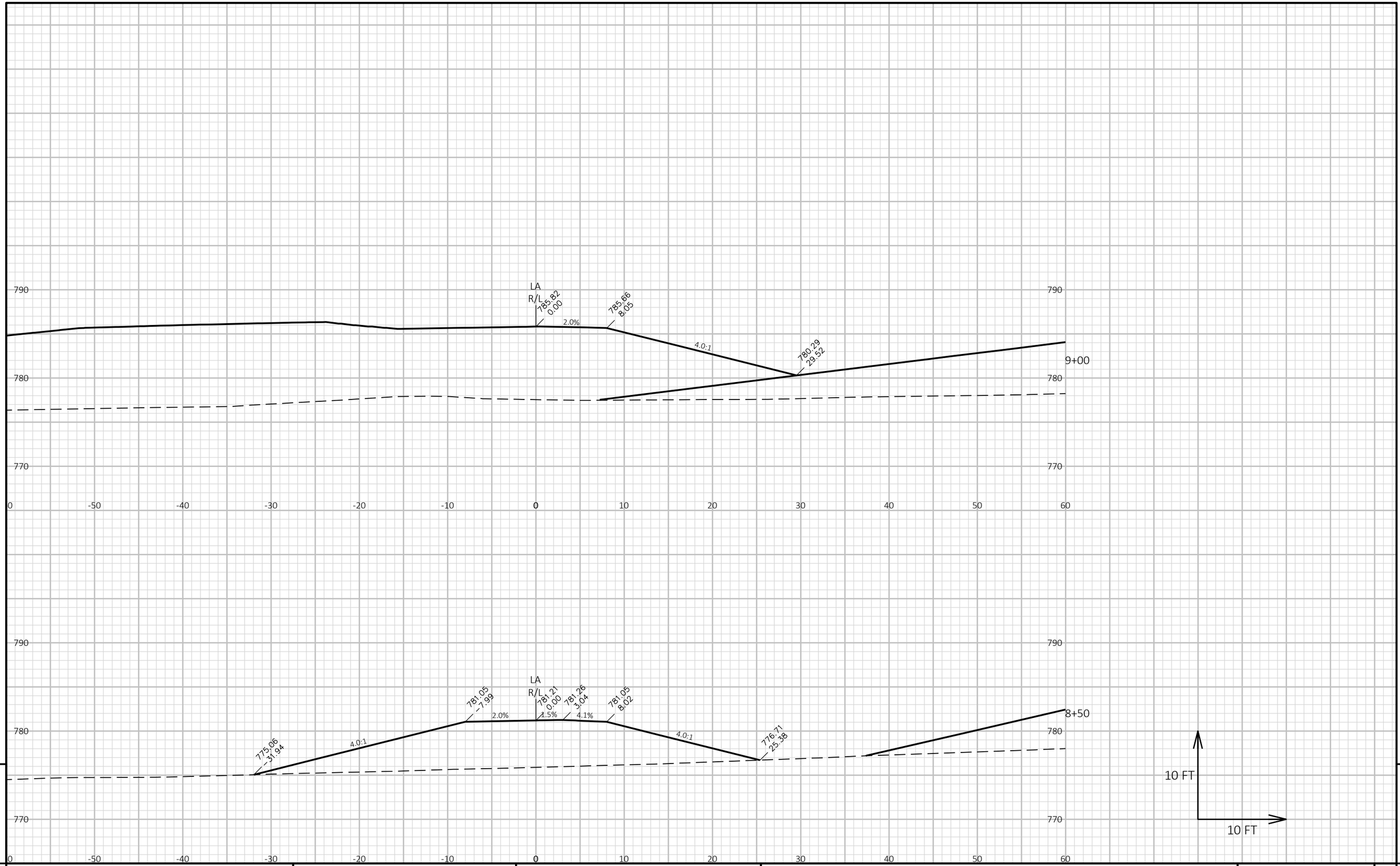
PLOT DATE : 3/31/2023 4:30 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WISDOT AND BERNEGGER DWYS	SHEET 700	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090905_XS_(DWY).DWG
LAYOUT NAME - 090905_xs_(DWY)6

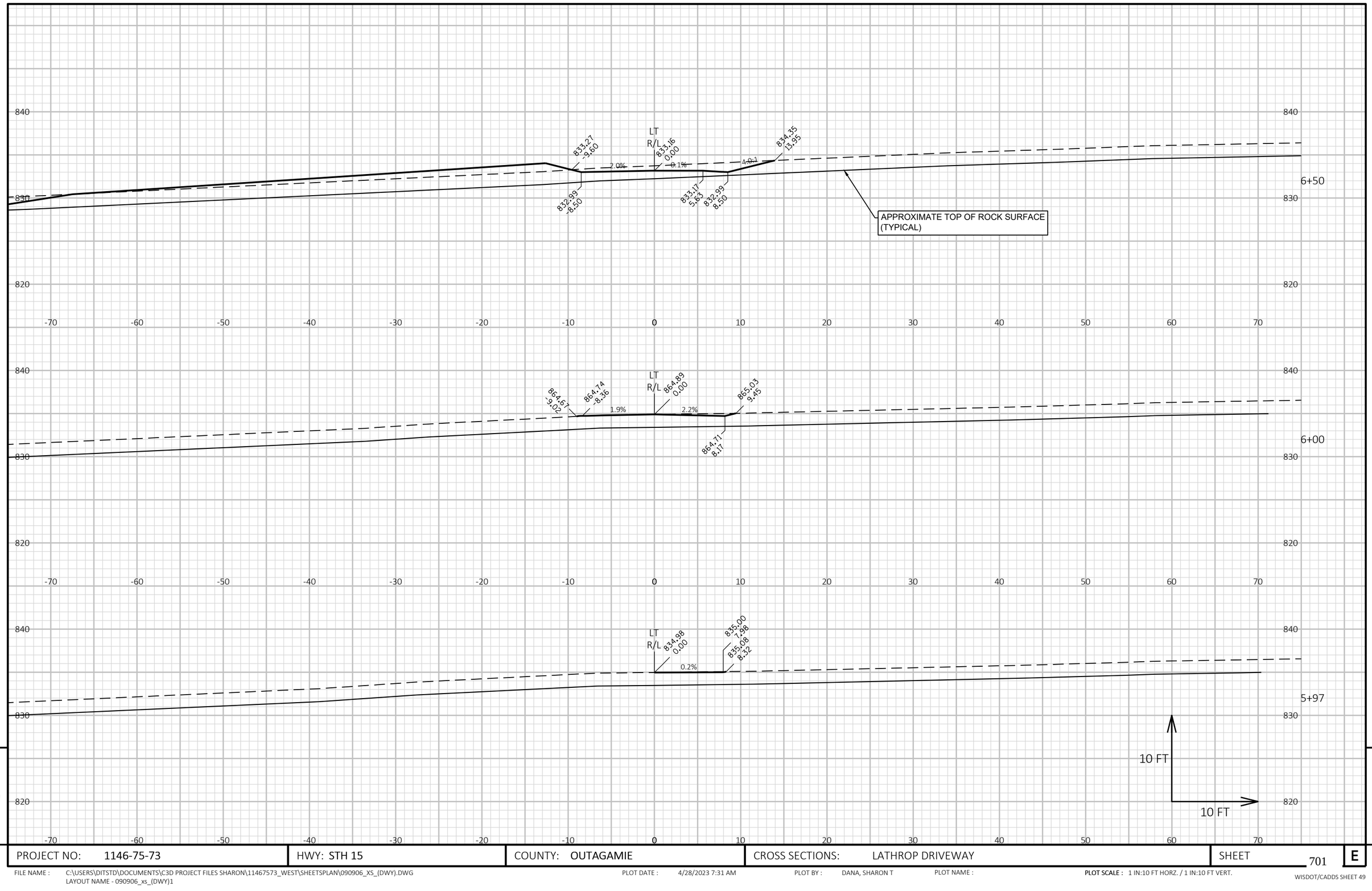
PLOT DATE : 3/31/2023 4:30 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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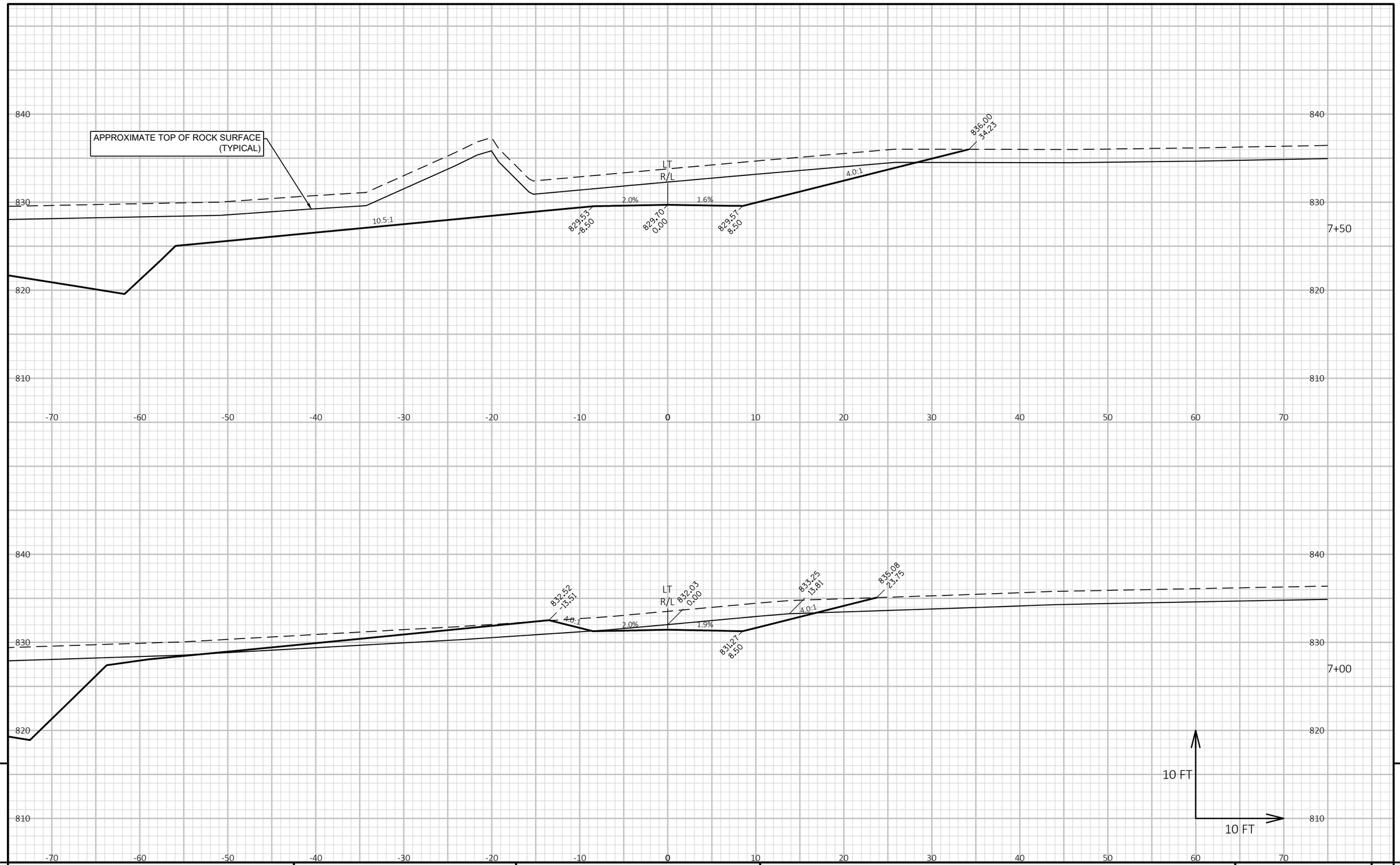
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: LATHROP DRIVEWAY	SHEET 701	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090906_XS_(DWY).DWG
LAYOUT NAME - 090906_xs_(DWY)1

PLOT DATE : 4/28/2023 7:31 AM PLOT BY : DANA, SHARON T PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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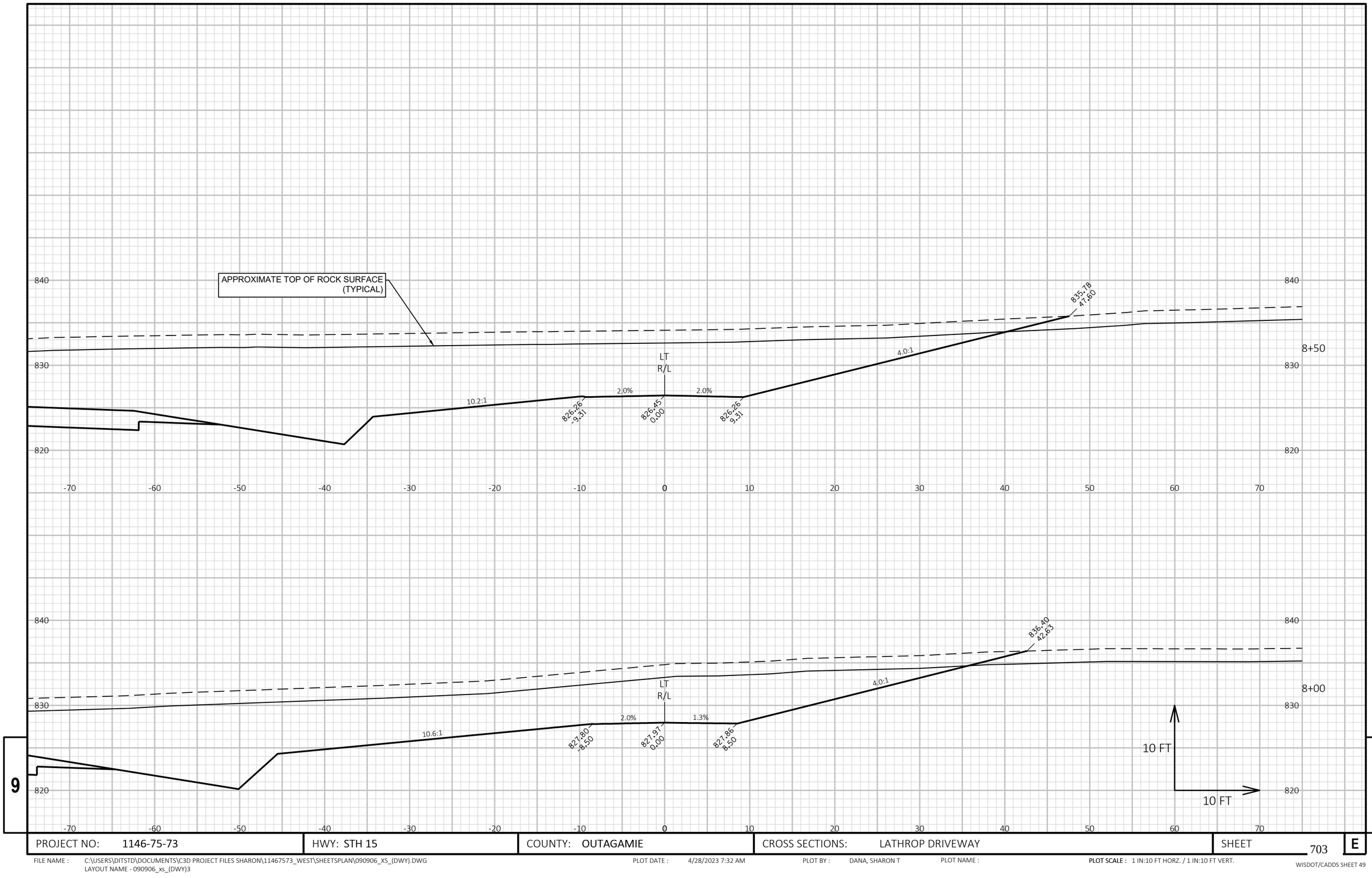
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: LATHROP DRIVEWAY	SHEET 702	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090906_XS_(DWY).DWG
LAYOUT NAME - 090906_xs_(DWY)2

PLOT DATE : 4/28/2023 7:31 AM PLOT BY : DANA, SHARON T PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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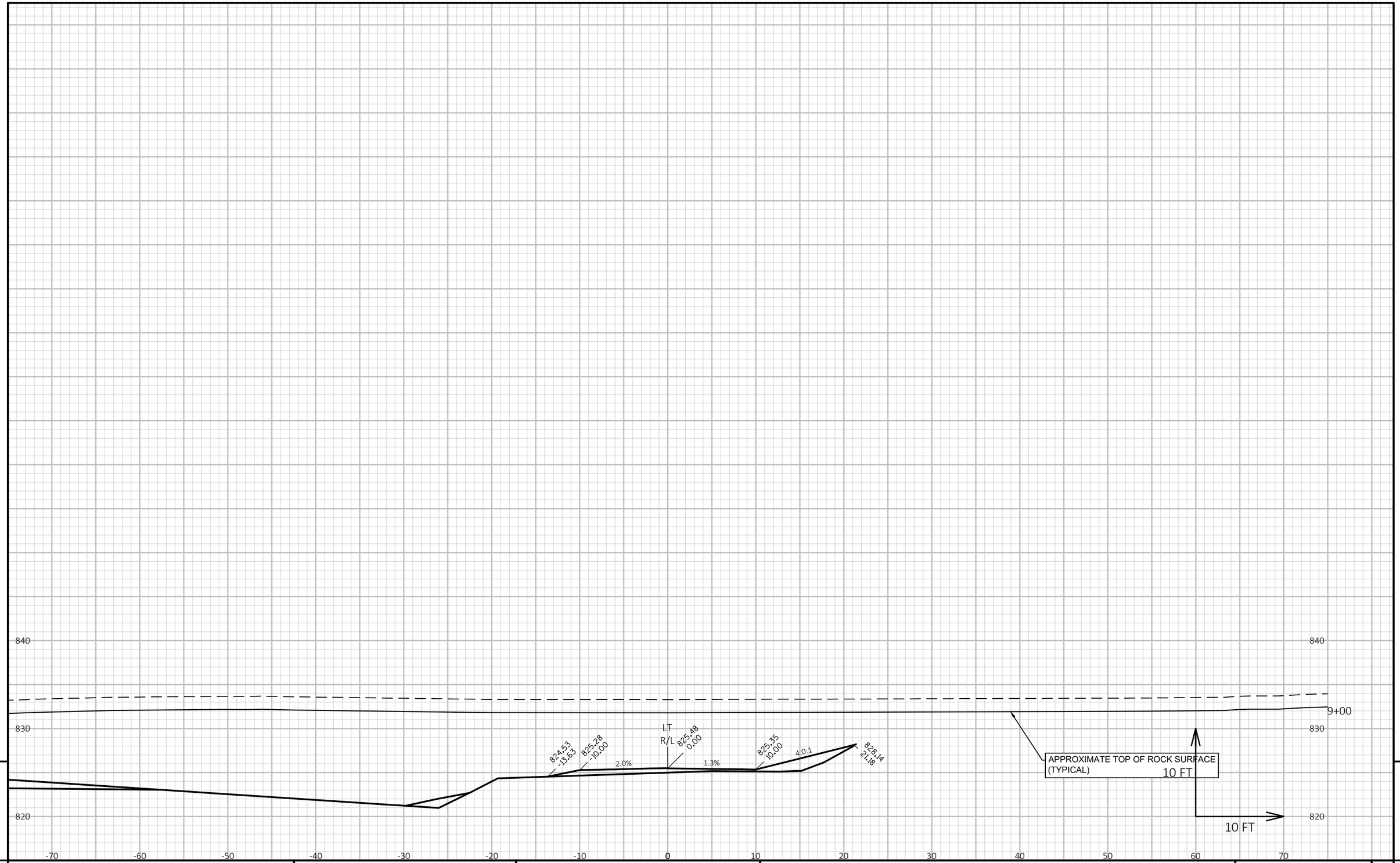
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: LATHROP DRIVEWAY	SHEET 703	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090906_XS_(DWY).DWG
LAYOUT NAME - 090906_xs_(DWY)3

PLOT DATE : 4/28/2023 7:32 AM PLOT BY : DANA, SHARON T PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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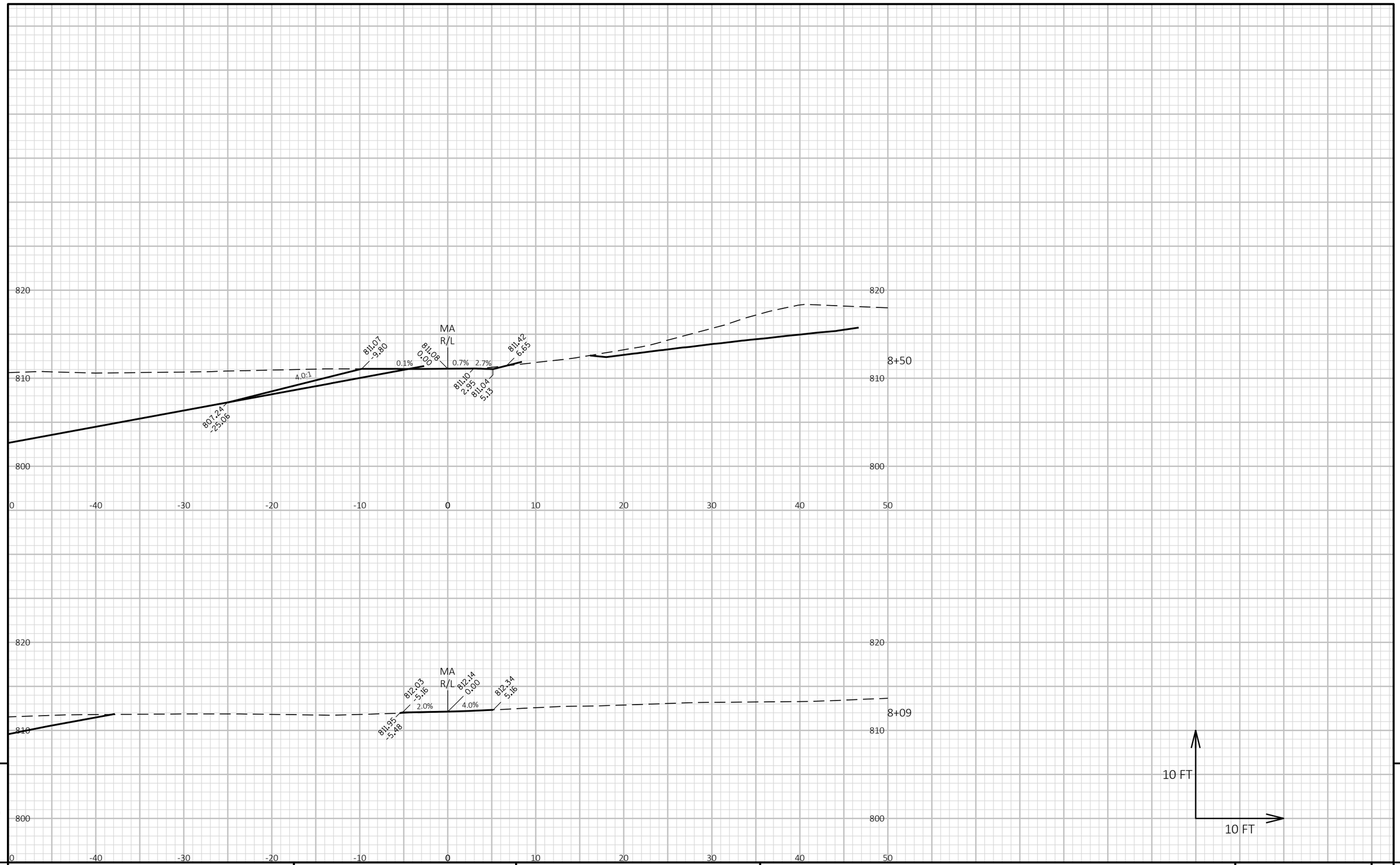
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: LATHROP DRIVEWAY	SHEET 704	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090906_XS_(DWY).DWG
LAYOUT NAME - 090906_xs_(DWY)4

PLOT DATE : 4/28/2023 7:50 AM PLOT BY : DANA, SHARON T PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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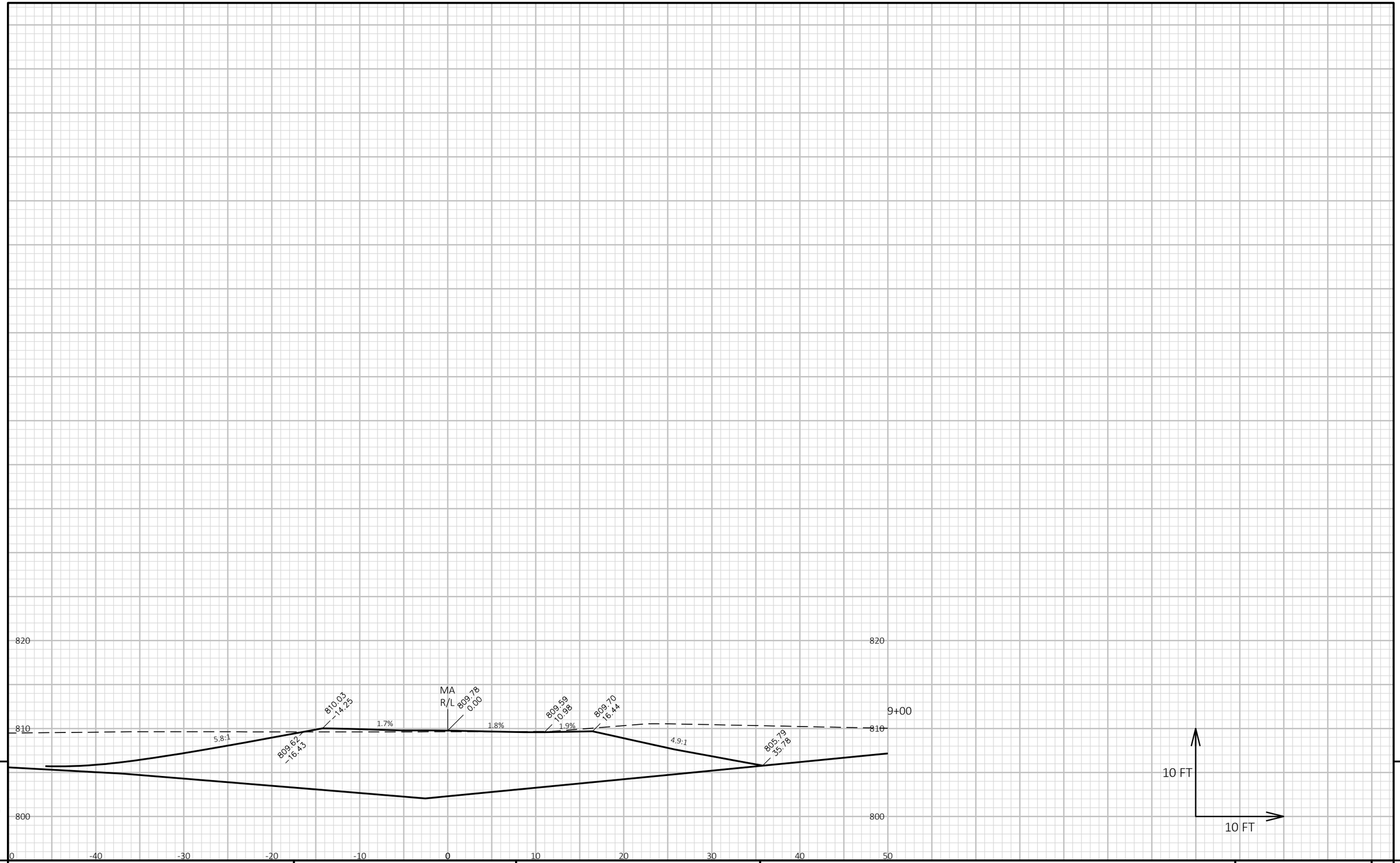
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: MARTIN DWY	SHEET 705	E

FILE NAME : C:\USERS\DITSTD\DOCUMENTS\C3D PROJECT FILES SHARON\11467573_WEST\SHEETSPLAN\090907_XS_(DWY).DWG
LAYOUT NAME - 090907_xs_(DWY)1

PLOT DATE : 4/28/2023 7:53 AM PLOT BY : DANA, SHARON T PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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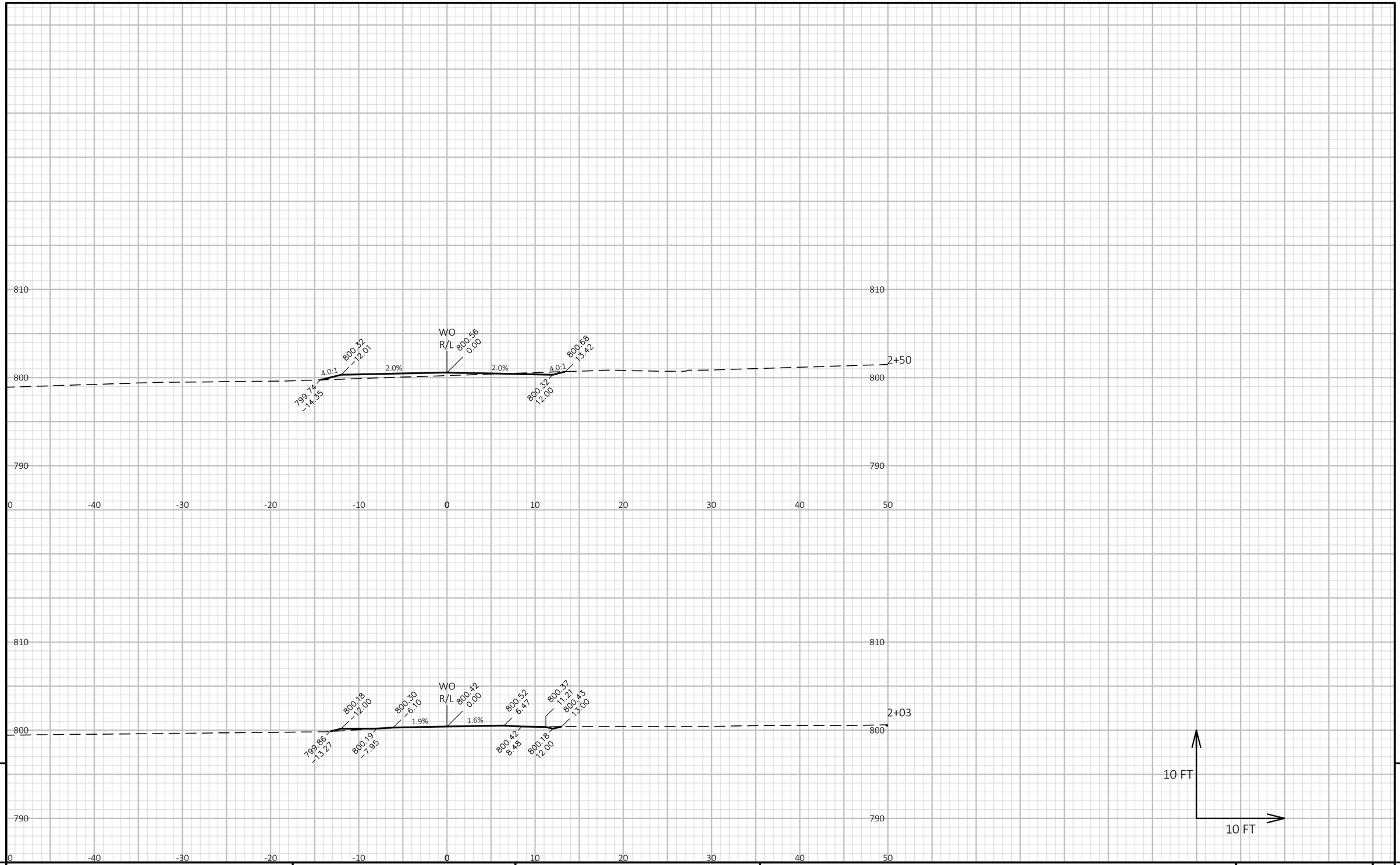
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: MARTIN DWY	SHEET 706	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090907_XS_(DWY).DWG
LAYOUT NAME - 090907_xs_(DWY)2

PLOT DATE : 3/31/2023 4:33 PM PLOT BY : DANA, SHARON T PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WOLFRATH DWY	SHEET 707	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090908_XS_(DWY).DWG
LAYOUT NAME - 090908_xs_(DWY)1

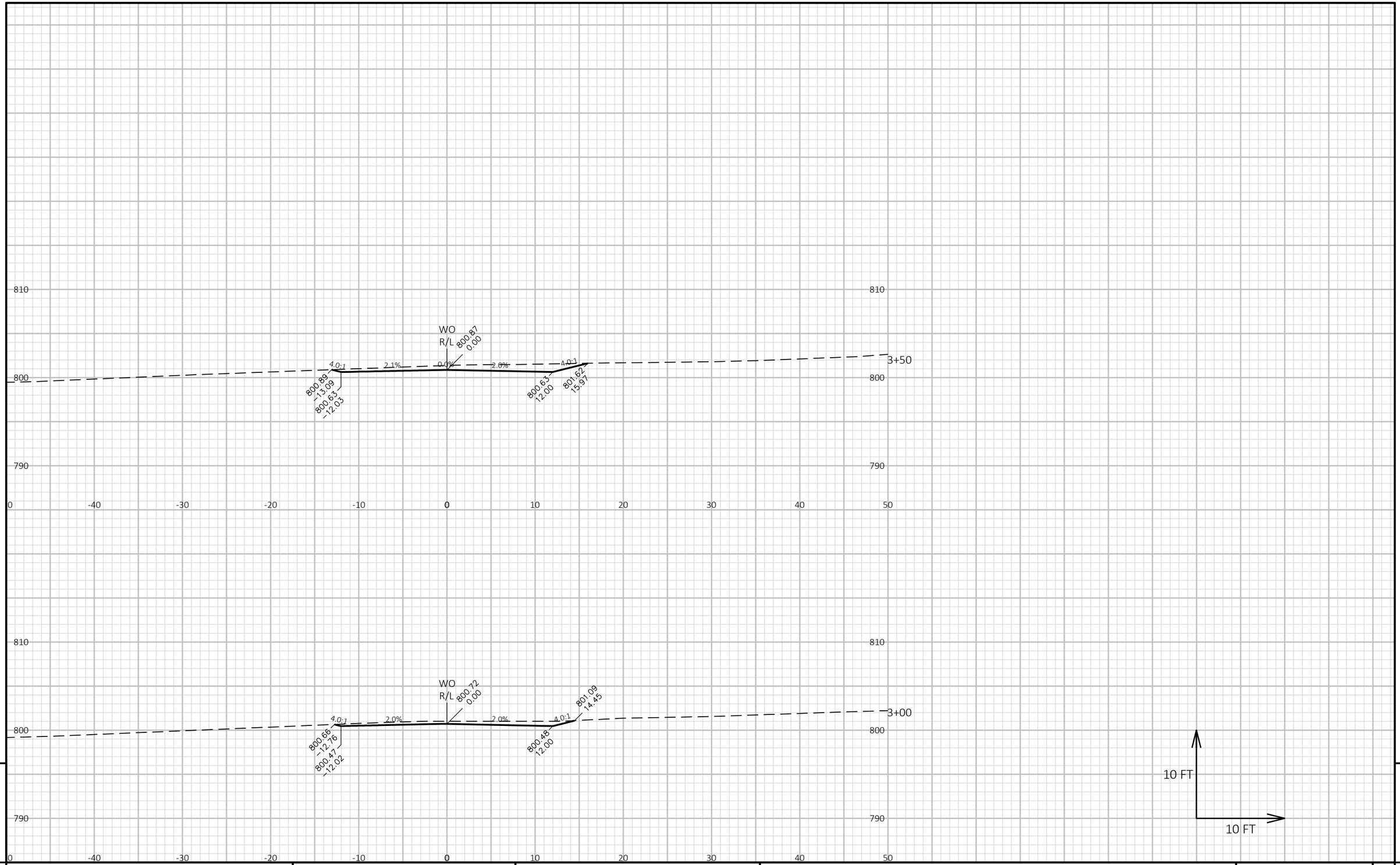
PLOT DATE : 3/31/2023 4:37 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WOLFRATH DWY	SHEET 708	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090908_XS_(DWY).DWG
LAYOUT NAME - 090908_xs_(DWY)2

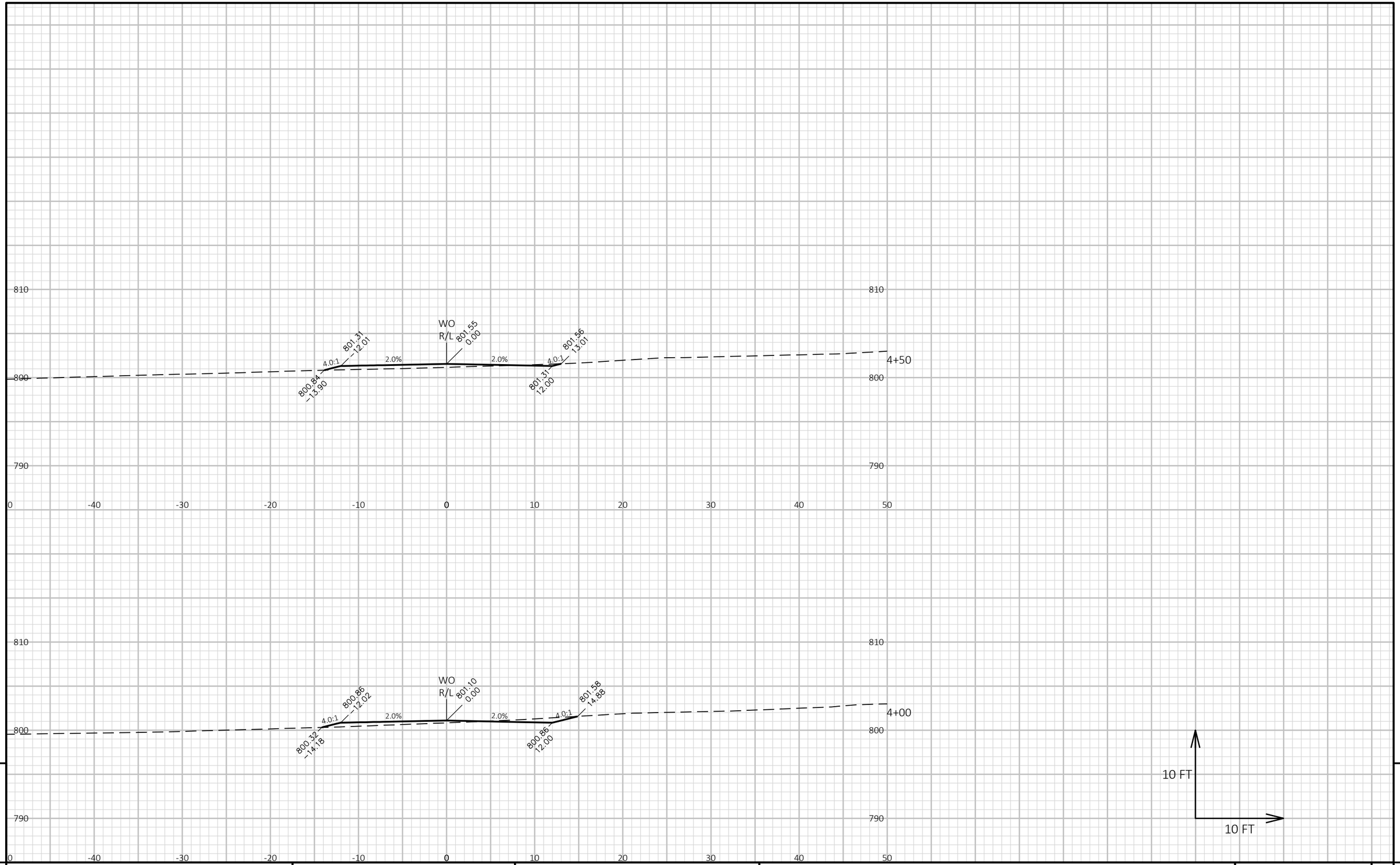
PLOT DATE : 3/31/2023 4:37 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WOLFRATH DWY	SHEET 709	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090908_XS_(DWY).DWG
LAYOUT NAME - 090908_xs_(DWY)3

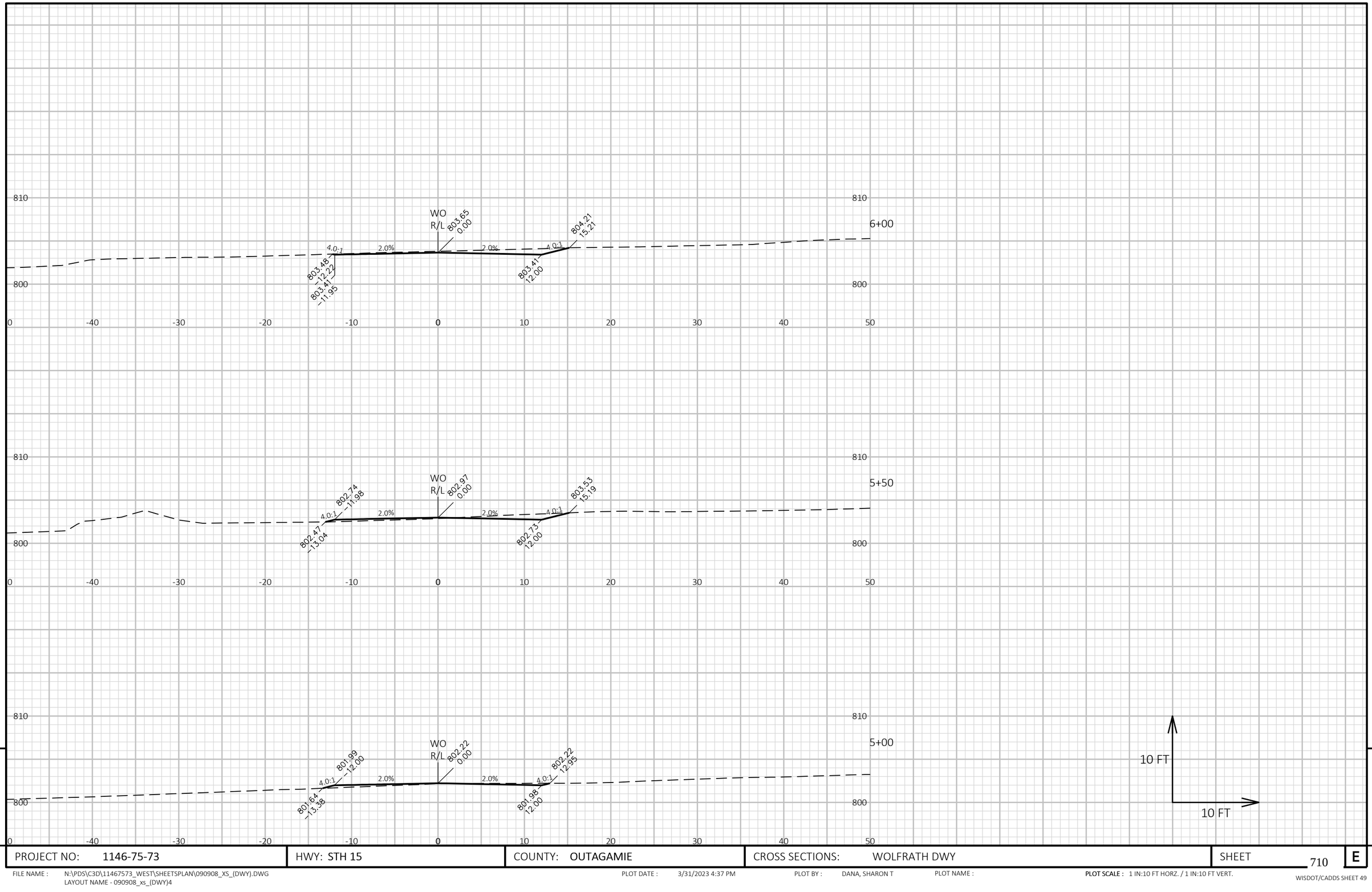
PLOT DATE : 3/31/2023 4:37 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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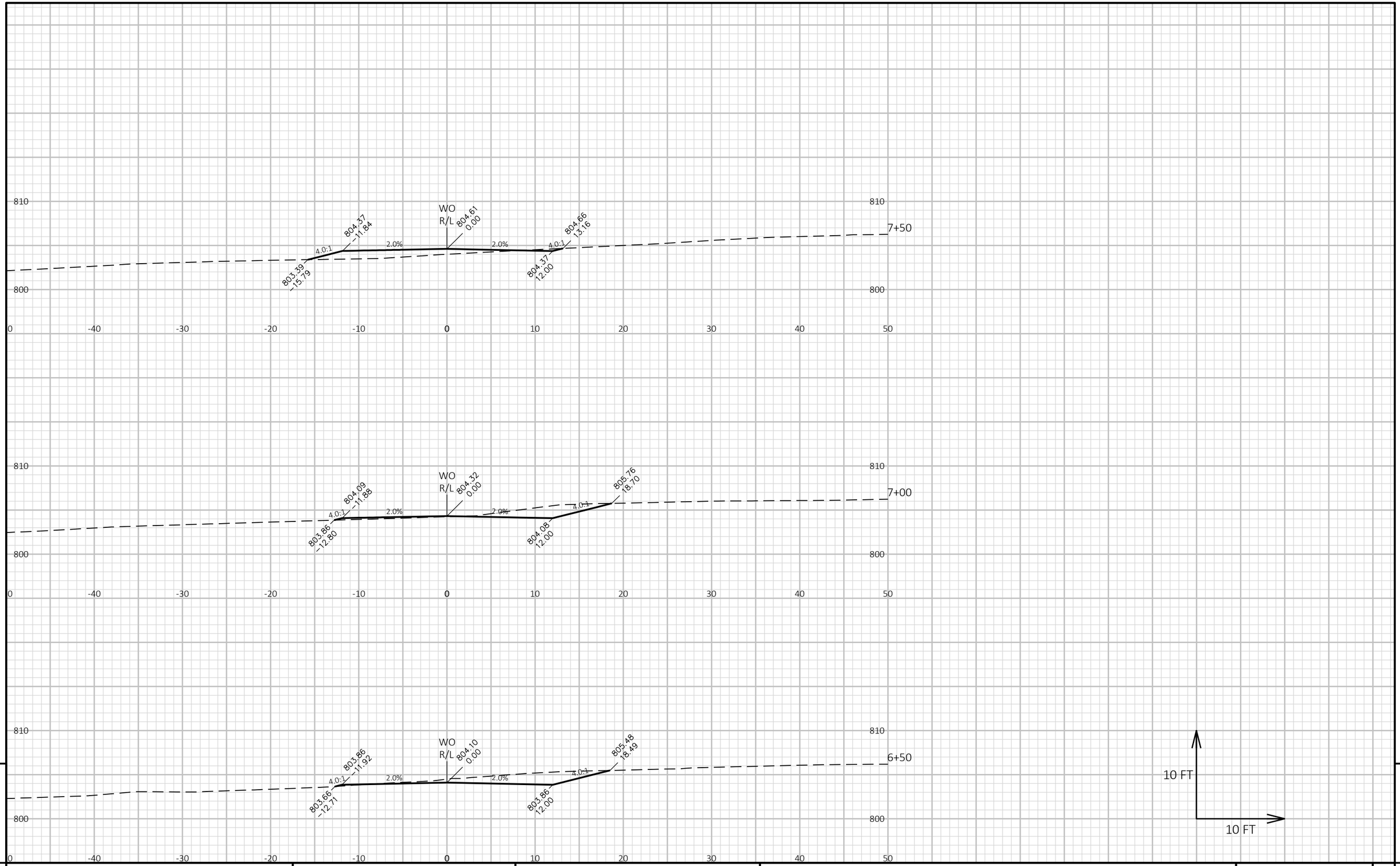
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WOLFRATH DWY	SHEET 710	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090908_XS_(DWY).DWG
LAYOUT NAME - 090908_xs_(DWY)4

PLOT DATE : 3/31/2023 4:37 PM PLOT BY : DANA, SHARON T PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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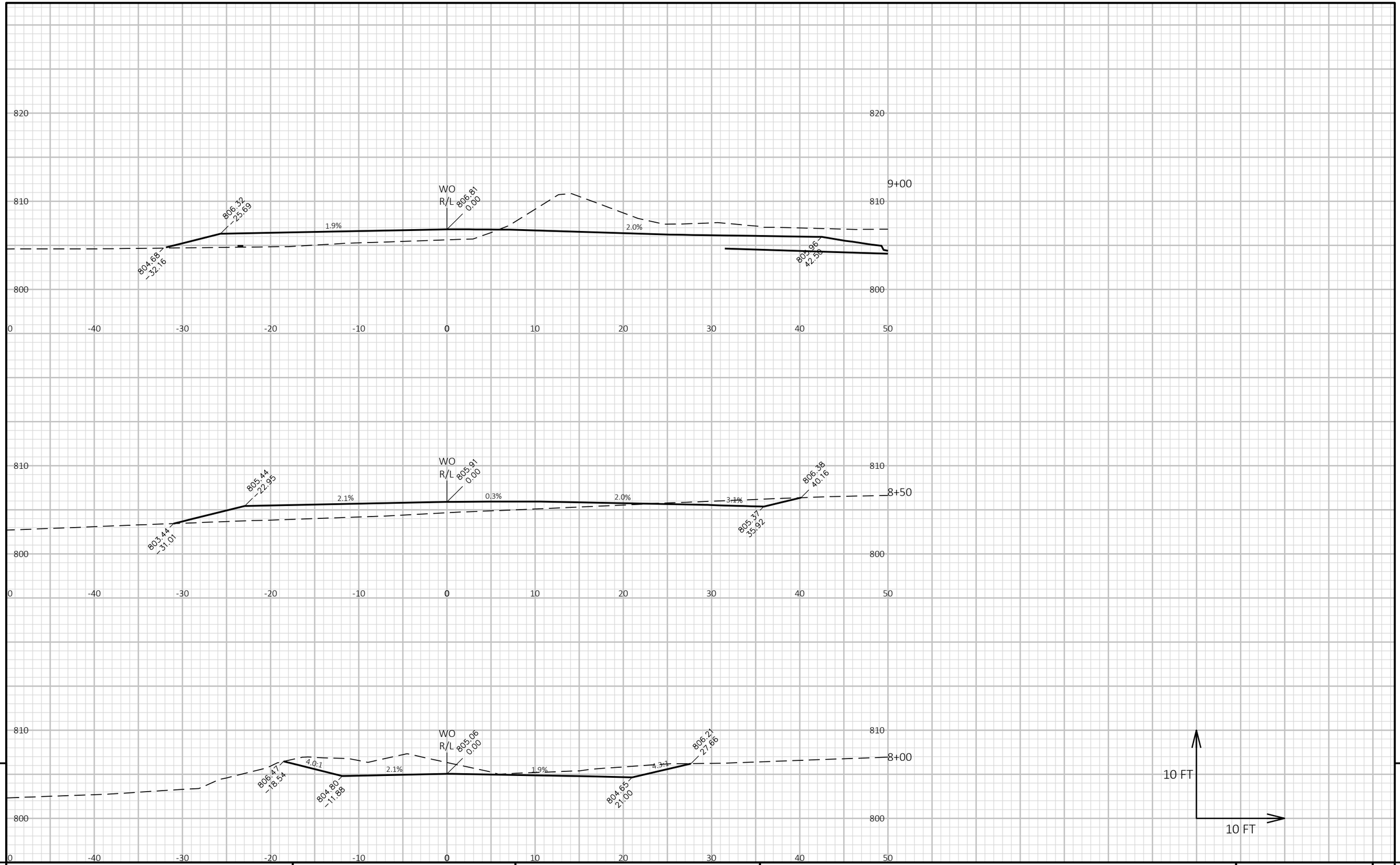
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WOLFRATH DWY	SHEET 711	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090908_XS_(DWY).DWG
LAYOUT NAME - 090908_xs_(DWY)5

PLOT DATE : 3/31/2023 4:37 PM PLOT BY : DANA, SHARON T PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WOLFRATH DWY	SHEET 712	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090908_XS_(DWY).DWG
LAYOUT NAME - 090908_xs_(DWY)6

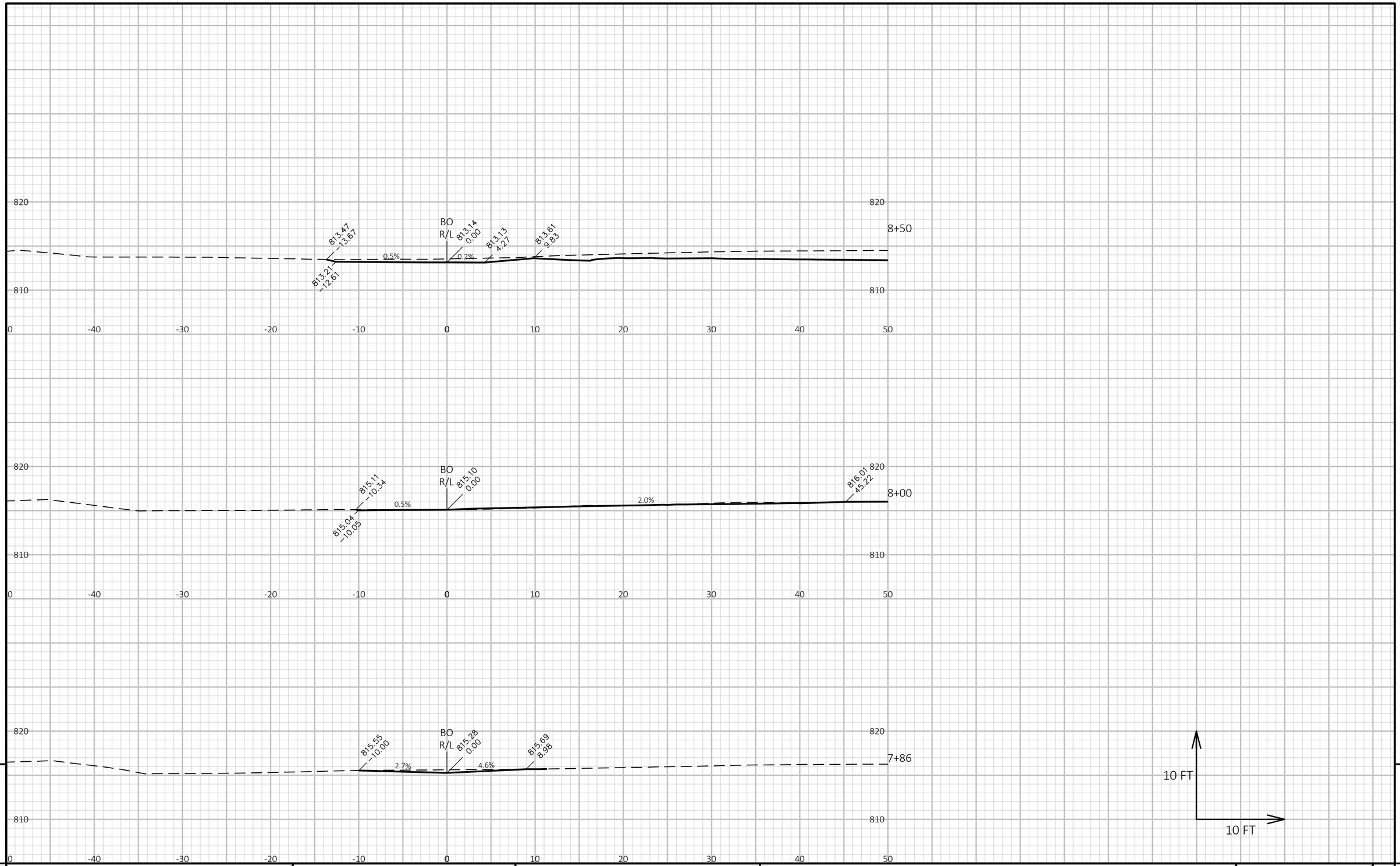
PLOT DATE : 3/31/2023 4:37 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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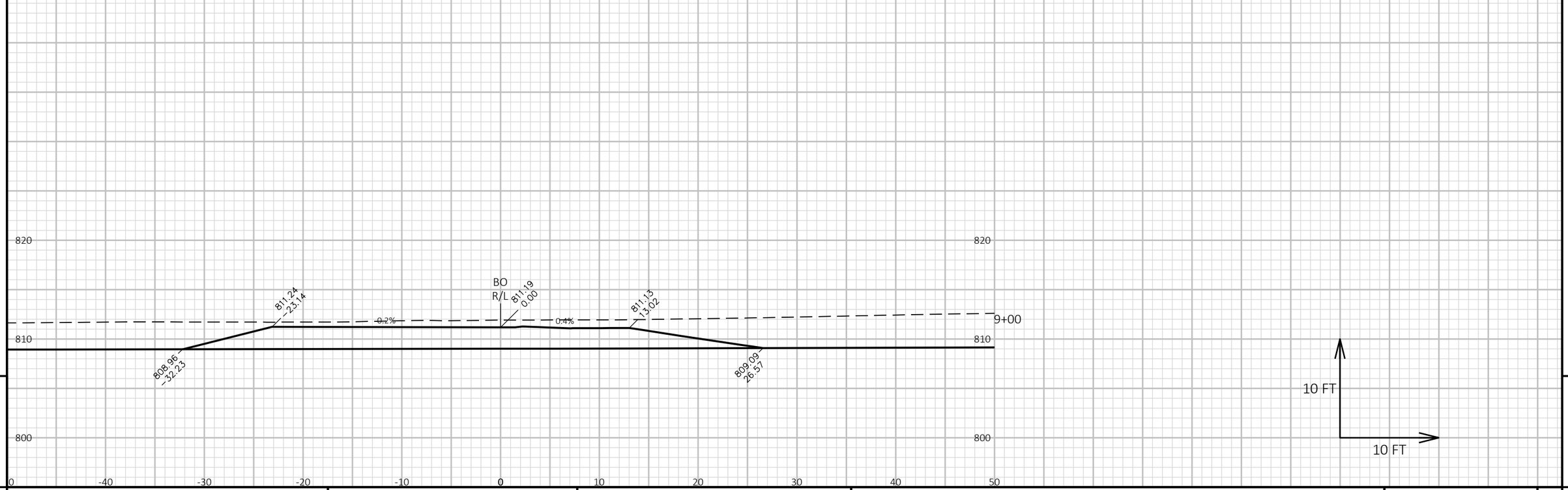
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: BLACK OTTER DWY	SHEET 713	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090909_XS_(DWY).DWG
LAYOUT NAME - 090909_xs_(DWY)1

PLOT DATE : 3/31/2023 4:42 PM PLOT BY : DANA, SHARON T PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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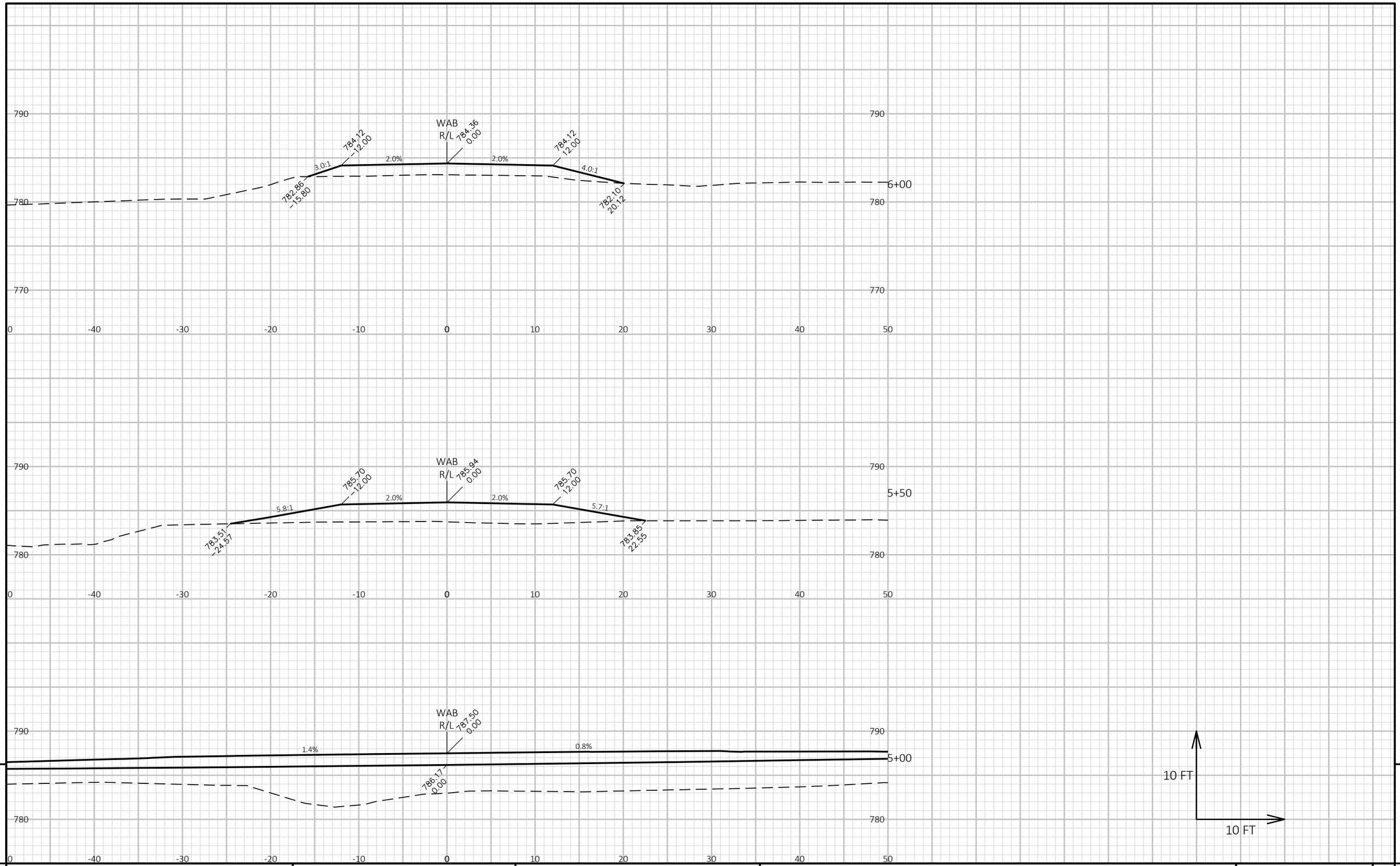
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: BLACK OTTER DWY	SHEET 714	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090909_XS_(DWY).DWG
LAYOUT NAME - 090909_xs_(DWY)2

PLOT DATE : 3/31/2023 4:42 PM PLOT BY : DANA, SHARON T PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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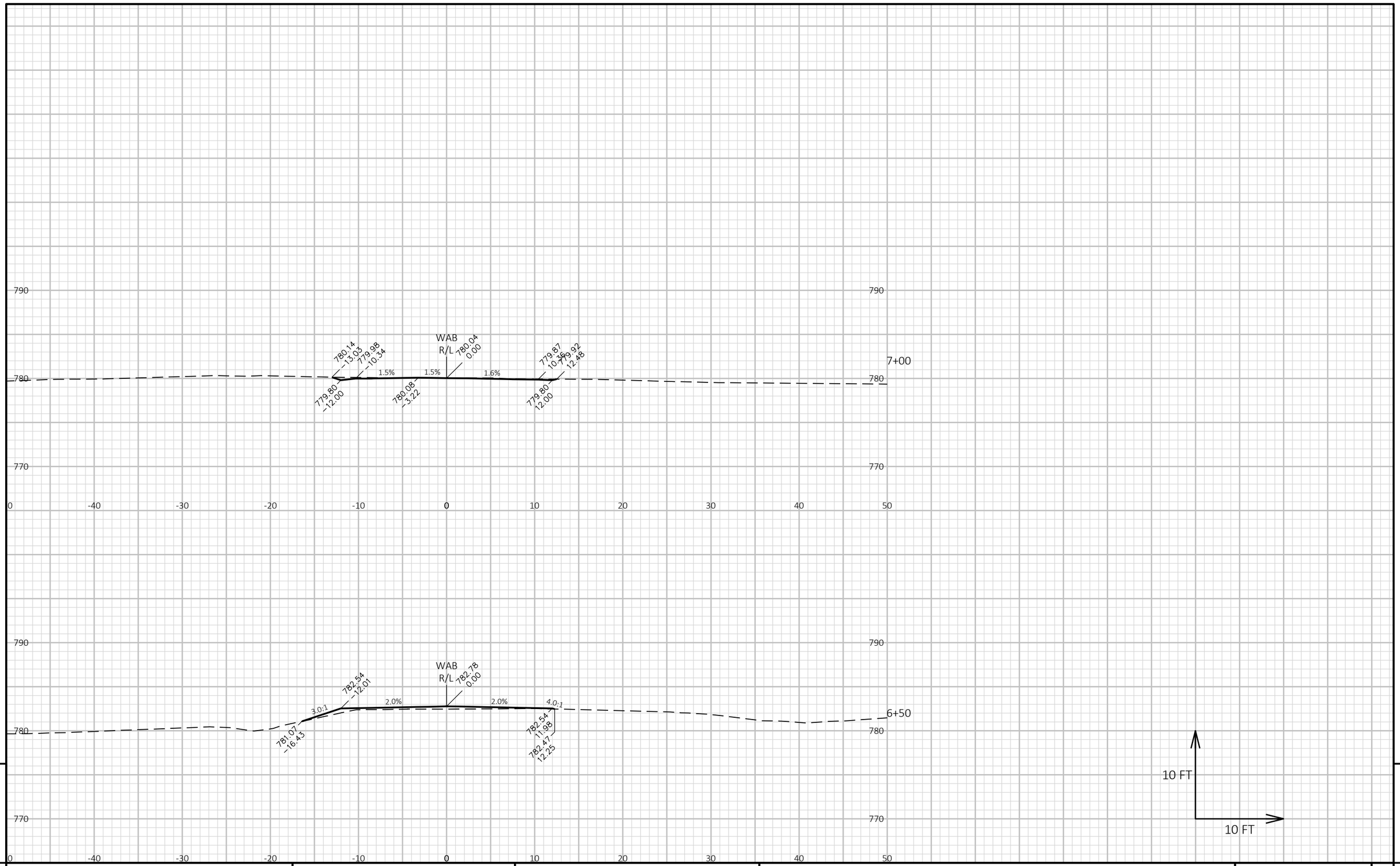
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WAYNE BYRUM DWY	SHEET 715	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090910_XS_(DWY).DWG
LAYOUT NAME - 090910_xs_(DWY)1

PLOT DATE : 3/31/2023 4:46 PM PLOT BY : DANA, SHARON T PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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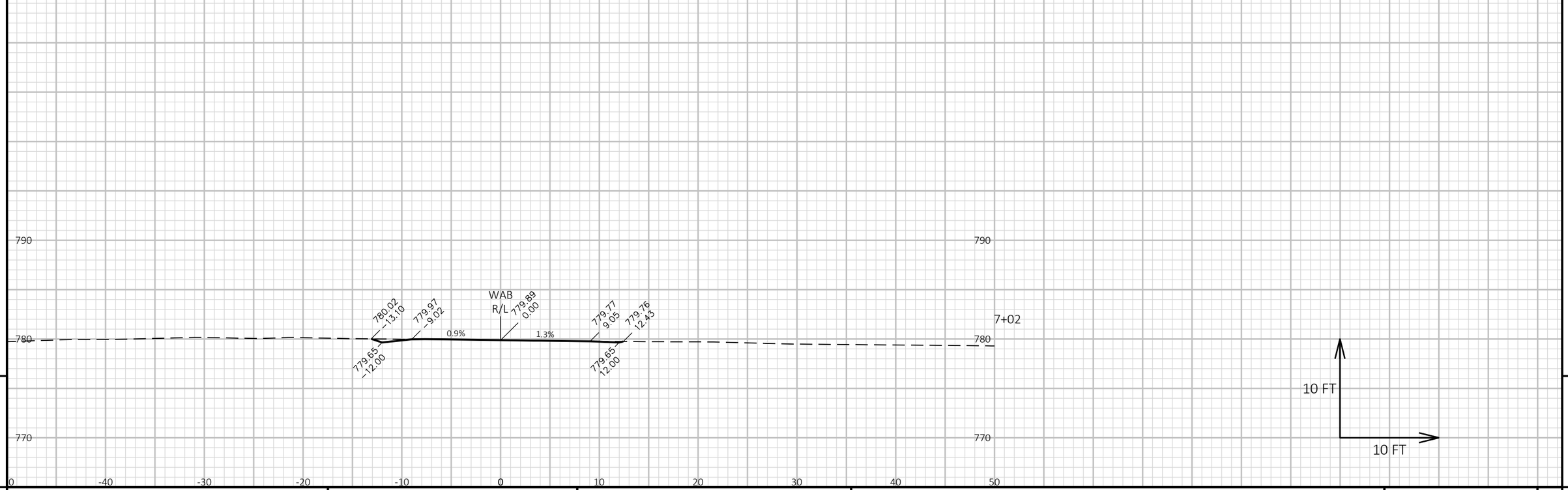
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WAYNE BYRUM DWY	SHEET 716	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090910_XS_(DWY).DWG
LAYOUT NAME - 090910_xs_(DWY)2

PLOT DATE : 3/31/2023 4:46 PM PLOT BY : DANA, SHARON T PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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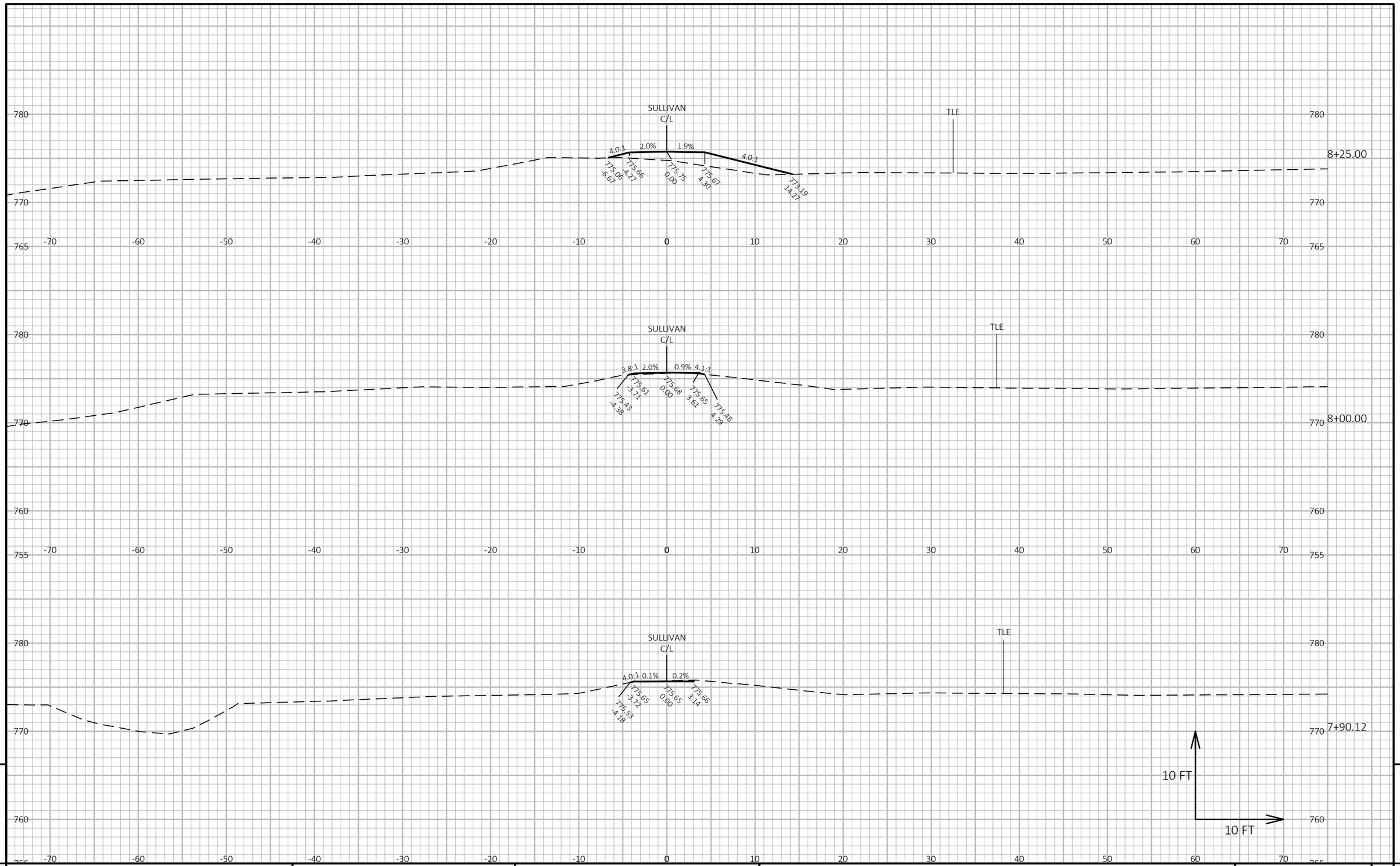
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: WAYNE BYRUM DWY	SHEET 717	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090910_XS_(DWY).DWG
LAYOUT NAME - 090910_xs_(DWY)3

PLOT DATE : 3/31/2023 4:46 PM PLOT BY : DANA, SHARON T PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: SULLIVAN DWY	SHEET 718	E

FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090912_XS_(DWY).DWG
LAYOUT NAME - 090912_xs_(DWY)1

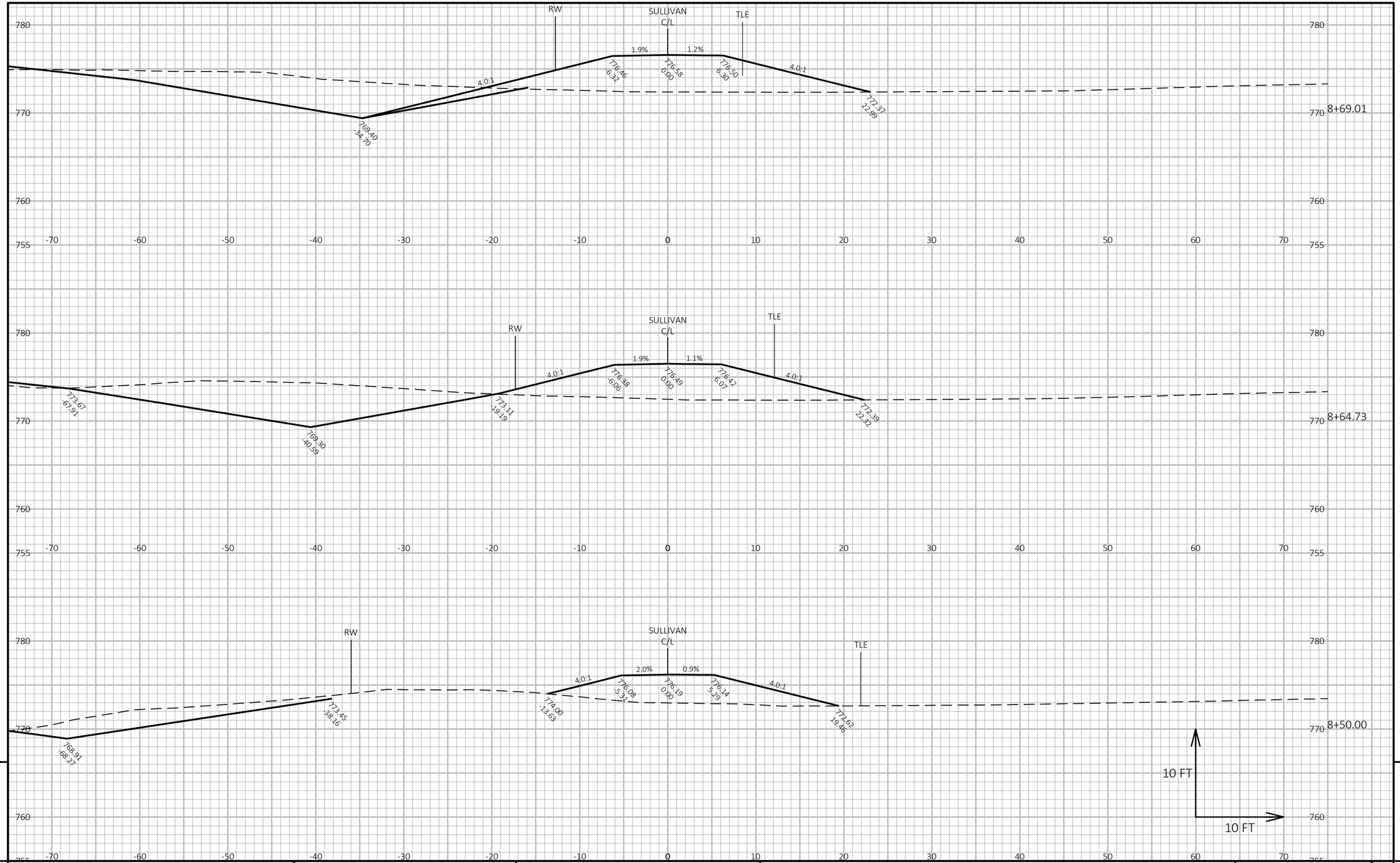
PLOT DATE : 3/31/2023 4:50 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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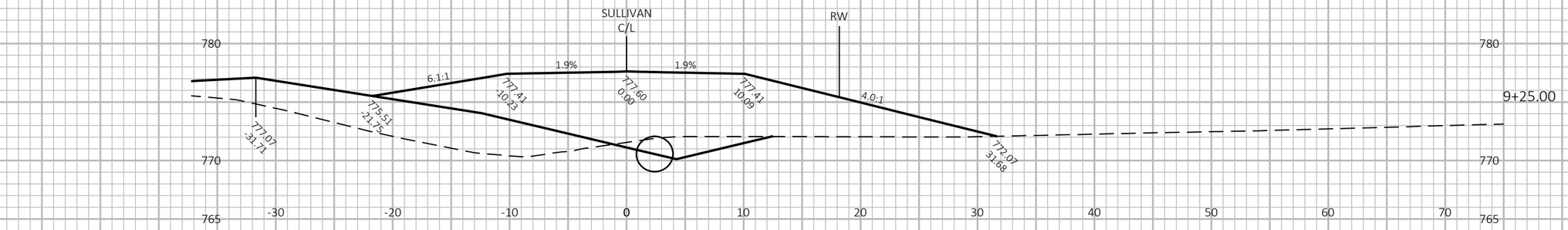
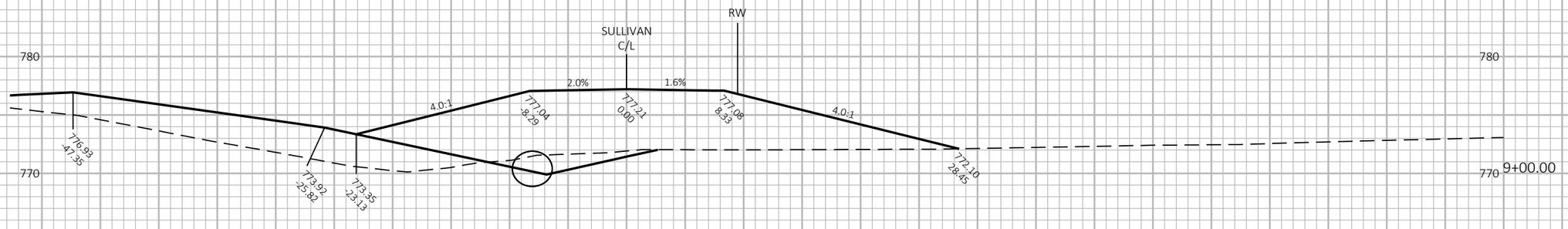
PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: SULLIVAN DWY	SHEET 719	E

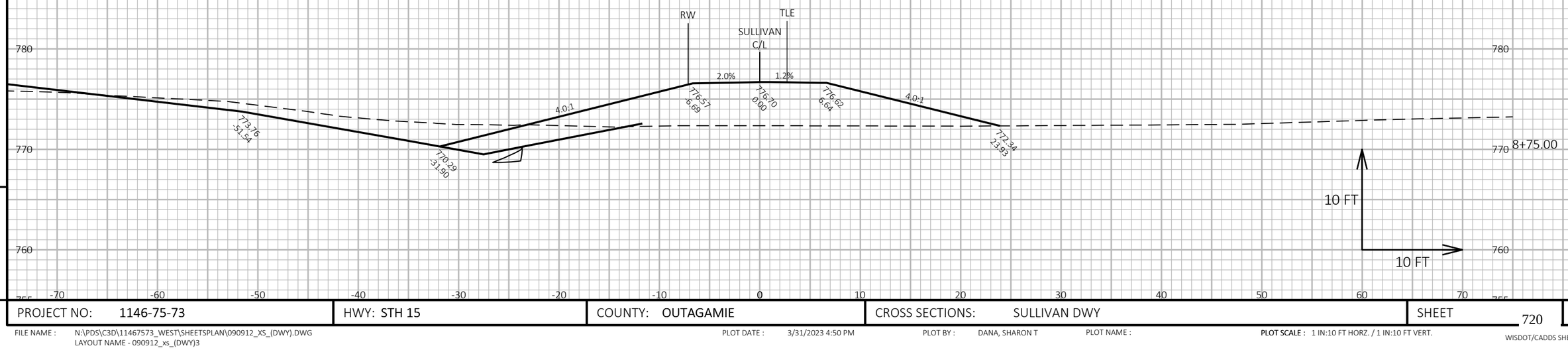
FILE NAME : N:\PDS\C3D\11467573_WEST\SHEETSPLAN\090912_XS_(DWY).DWG
LAYOUT NAME - 090912_xs_(DWY)2

PLOT DATE : 3/31/2023 4:50 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: SULLIVAN DWY	SHEET 720	E

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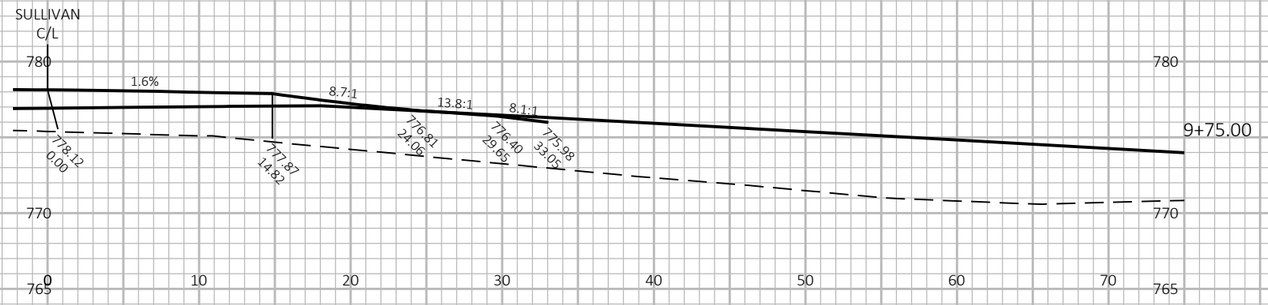
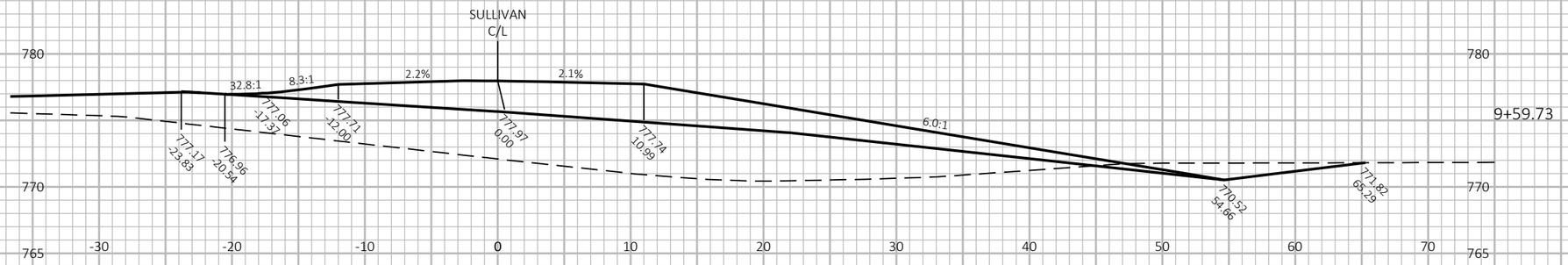
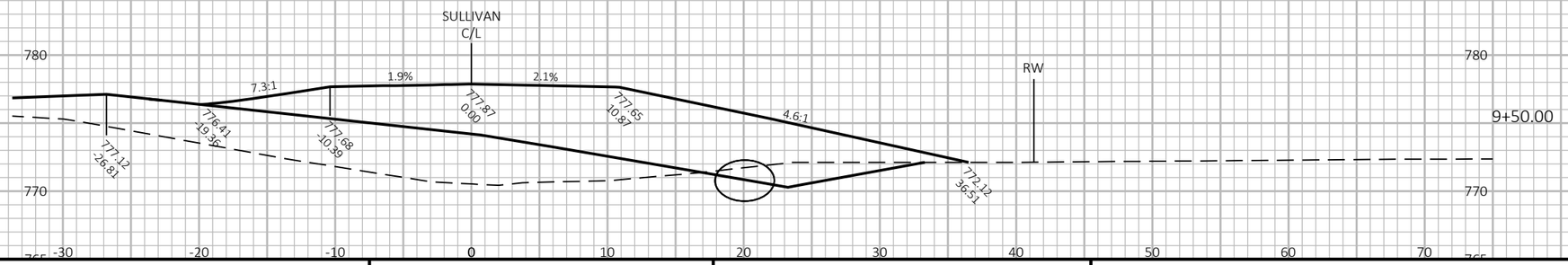
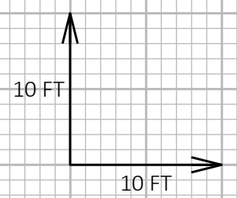
PLOT DATE : 3/31/2023 4:50 PM PLOT BY : DANA, SHARON T PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









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PROJECT NO: 1146-75-73	HWY: STH 15	COUNTY: OUTAGAMIE	CROSS SECTIONS: SULLIVAN DWY	SHEET 721	E

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PLOT DATE : 3/31/2023 4:50 PM

PLOT BY : DANA, SHARON T

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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